









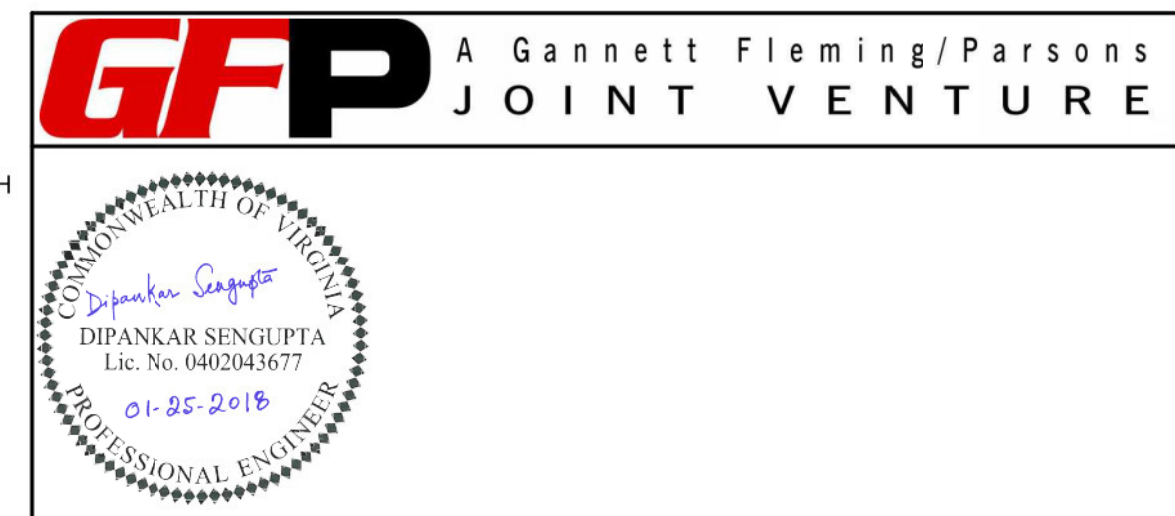
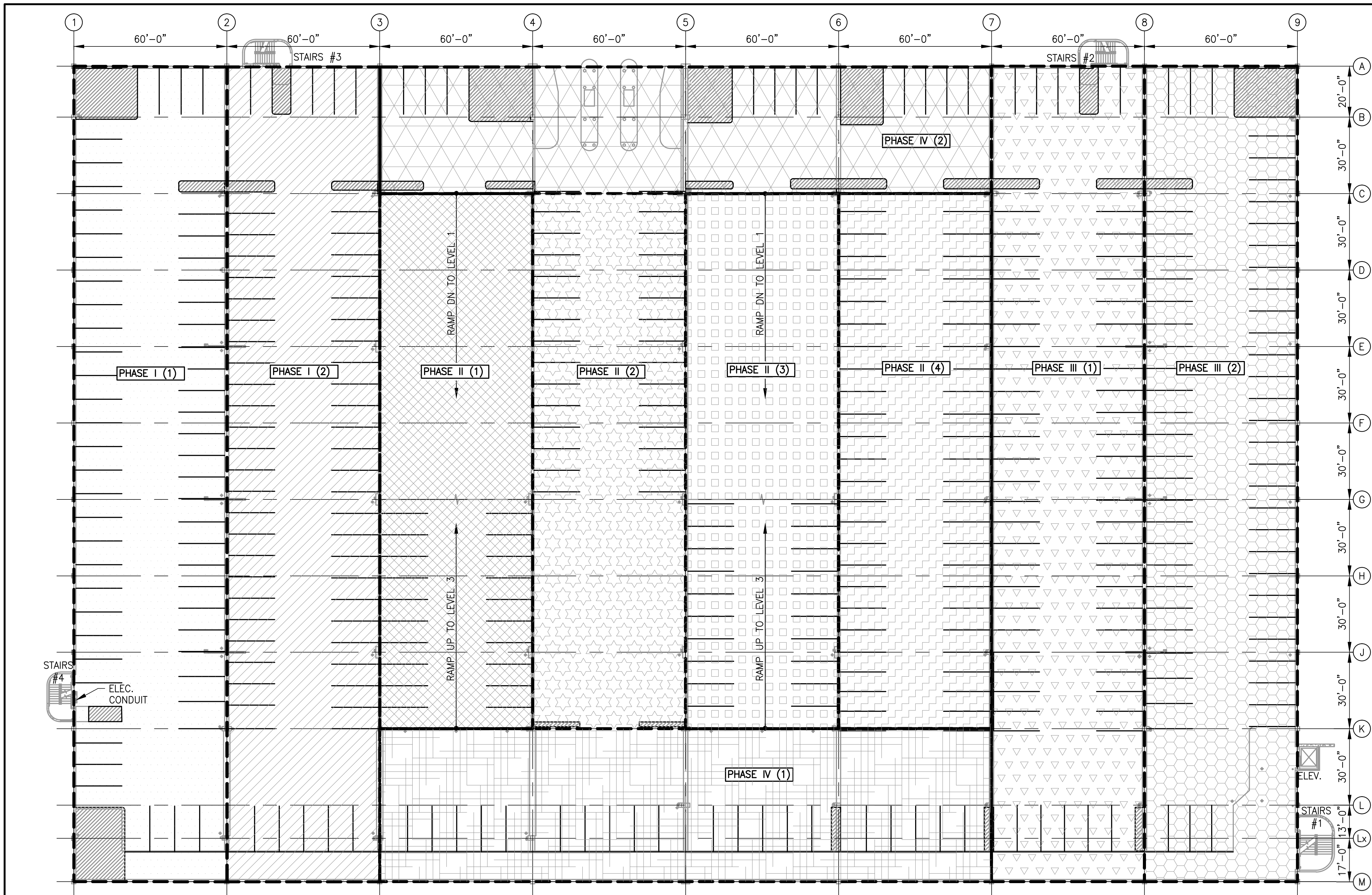


PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES
I (1)		43	II (1)		27	II (3)		27	III (1)		56	IV (1)		21
I (2)		52	II (2)		49	II (4)		50	III (2)		38	IV (2)		27



<div>DESIGNED <u>K. TSE</u> 01/2018 DATE</div> <div>DRAWN <u>A. PINKOWSKI</u> 01/2018 DATE</div> <div>CHECKED <u>D. SENGUPTA</u> 01/2018 DATE</div>	REFERENCE DRAWINGS		REVISIONS			<div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div> <div>OFFICE OF THE CHIEF OPERATING OFFICER</div> <div>IRPG - FIXED FACILITIES</div> <div><div>APPROVED <u>[Signature]</u> 01/25/2018 DATE</div><div>JOHN PURDY ENGINEERING MANAGER</div><div>APPROVED <u>[Signature]</u> 01/25/2018 DATE</div><div>DIPANKAR SENGUPTA ENGINEER OF RECORD</div></div>			REHABILITATION OF PARKING GARAGES				
	NUMBER	TITLE	DATE	NUM	DESCRIPTION				K08 - VIENNA STATION - NORTH PARKING GARAGE				
			01/25/2018	0	FINAL SUBMITTAL	LEVEL 1 - SUGGESTED PHASING PLAN							

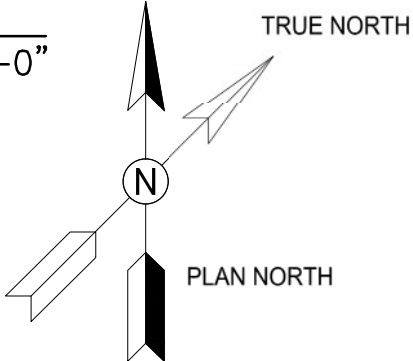


CONSTRUCTION PHASING NOTES:
1. FOR CONSTRUCTION PHASING NOTES, SEE DRAWING K08-PP-101.

1 LEVEL 2 - PHASING PLAN
K08-PP-102

PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES
I (1)		60	II (1)		50	II (3)		50	III (1)		62	IV (1)		24
I (2)		62	II (2)		50	II (4)		50	III (2)		60	IV (2)		14

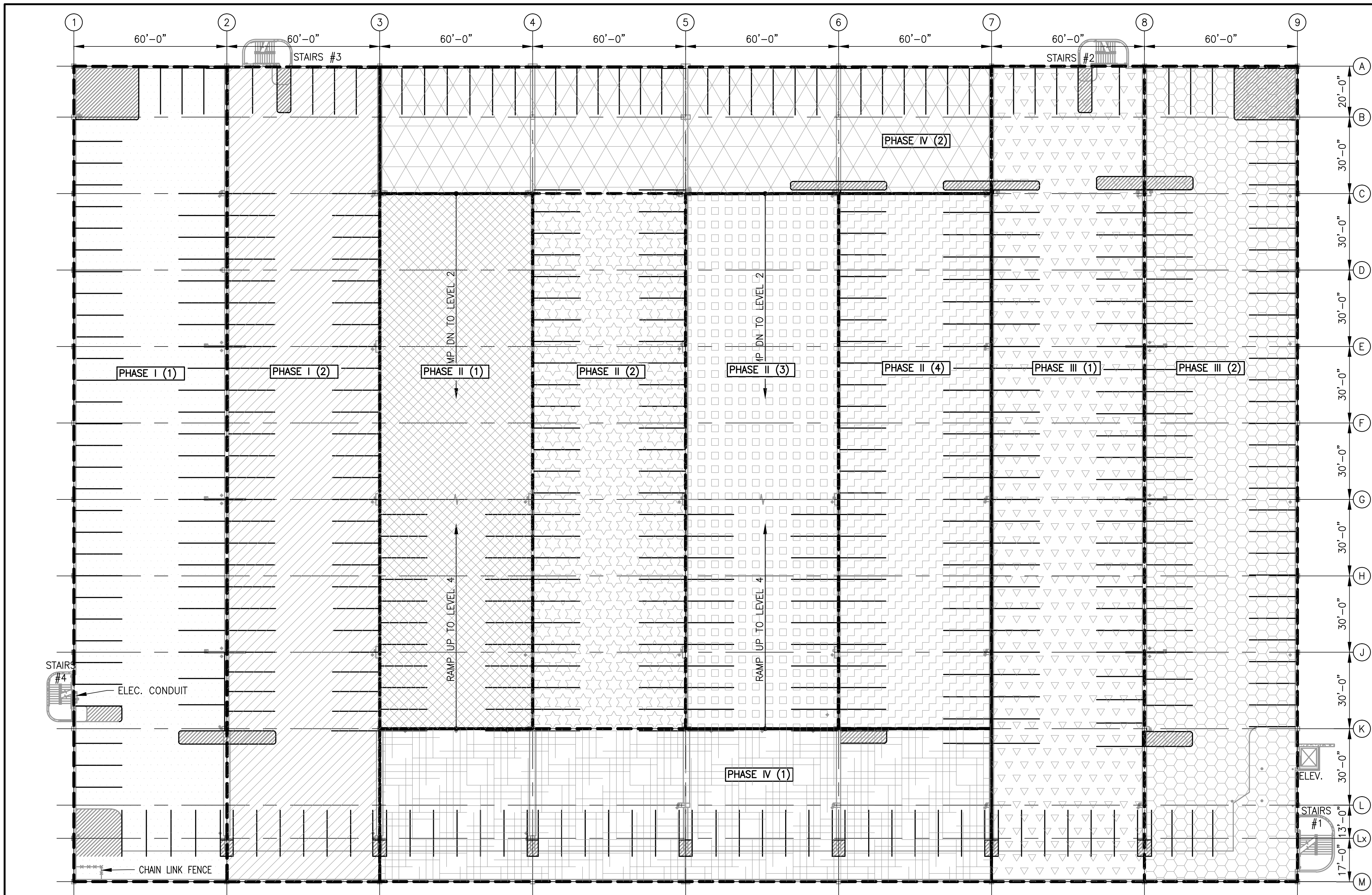
SCALE: 3/64"=1'-0"



GFP A Gannett Fleming/Parsons
JOINT VENTURE

COMMONWEALTH OF VIRGINIA
Dipankar Sengupta
DIPANKAR SENGUPTA
Lic. No. 0402043677
01-25-2018
PROFESSIONAL ENGINEER

DESIGNED K. TSE 01/2018 DATE DRAWN A. PINKOWSKI 01/2018 DATE CHECKED D. SENGUPTA 01/2018 DATE	REFERENCE DRAWINGS NUMBER TITLE DATE NUM DESCRIPTION 01/25/2018 0 FINAL SUBMITTAL	REVISIONS DATE NUM DESCRIPTION 01/25/2018 0 FINAL SUBMITTAL	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY OFFICE OF THE CHIEF OPERATING OFFICER IRPG - FIXED FACILITIES APPROVED JOHN PURDY 01/25/2018 ENGINEERING MANAGER DATE APPROVED Dipankar Sengupta 01/25/2018 DIPANKAR SENGUPTA ENGINEER OF RECORD DATE	REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE LEVEL 2 - SUGGESTED PHASING PLAN M NO. CONTRACT NO. SCALE DRAWING NO. SHEET NO. M1301 FQ18064 3/64"=1'-0" K08-PP-102 382 of 503			
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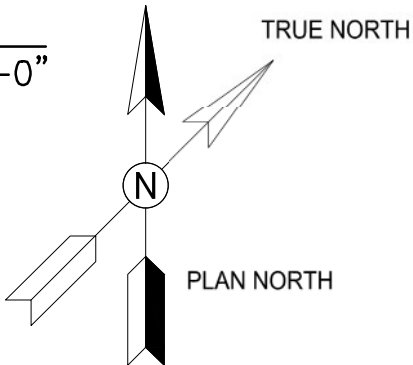



CONSTRUCTION PHASING NOTES:
1. FOR CONSTRUCTION PHASING NOTES, SEE DRAWING K08-PP-101.

1 LEVEL 3 - PHASING PLAN
K08-PP-103


PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES
I (1)		63	II (1)		50	II (3)		50	III (1)		62	IV (1)		24
I (2)		62	II (2)		50	II (4)		50	III (2)		60	IV (2)		28


SCALE: 3/64"=1'-0"

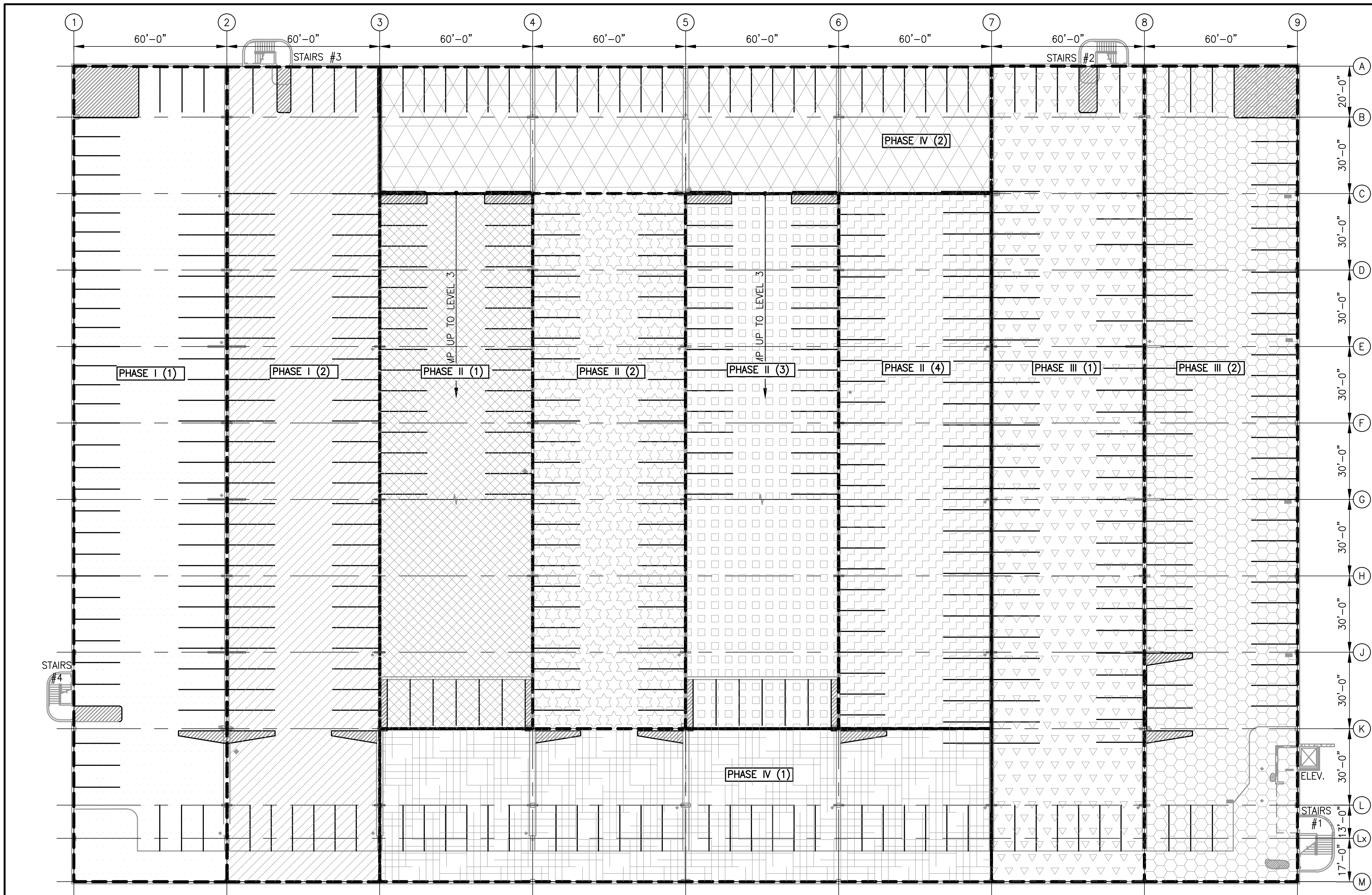




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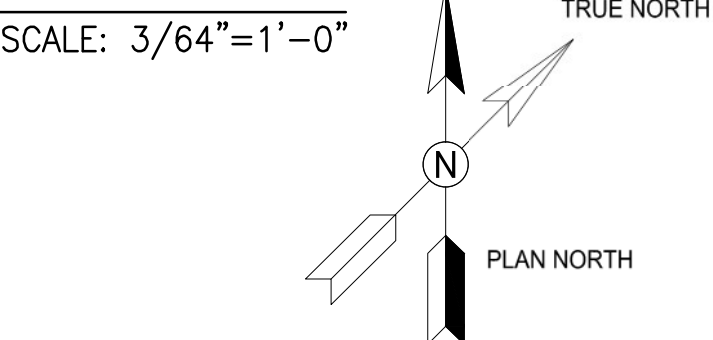
DESIGNED K. TSE 01/2018 DATE DRAWN A. PINKOWSKI 01/2018 DATE CHECKED D. SENGUPTA 01/2018 DATE	REFERENCE DRAWINGS		REVISIONS		 <div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div> <div>OFFICE OF THE CHIEF OPERATING OFFICER</div> <div>IRPG - FIXED FACILITIES</div> <div>APPROVED JOHN PURDY ENGINEERING MANAGER 01/25/2018 DATE</div> <div>APPROVED Dipankar Sengupta 01/25/2018 DATE</div>	REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE				
	NUMBER	TITLE	DATE	NUM		DESCRIPTION	LEVEL 3 - SUGGESTED PHASING PLAN			
			01/25/2018	0		FINAL SUBMITTAL				
					M NO. M1301	CONTRACT NO. FQ18064	SCALE 3/64"=1'-0"	DRAWING NO. K08-PP-103	SHEET NO. 383 of 503	




CONSTRUCTION PHASING NOTES:
1. FOR CONSTRUCTION PHASING NOTES, SEE DRAWING K08-PP-101.


1 LEVEL 4 - PHASING PLAN
K08-PP-104


PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES	PHASE NO.	ZONE	OCCUPIED PARKING SPACES
I (1)		67	II (1)		34	II (3)		34	III (1)		63	IV (1)		28
I (2)		65	II (2)		52	II (4)		52	III (2)		60	IV (2)		28





A Gannett Fleming/Parsons
JOINT VENTURE



DESIGNED K. TSE 01/2018 DATE DRAWN A. PINKOWSKI 01/2018 DATE CHECKED D. SENGUPTA 01/2018 DATE	REFERENCE DRAWINGS		REVISIONS		 <div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div> <div>OFFICE OF THE CHIEF OPERATING OFFICER</div> <div>IRPG - FIXED FACILITIES</div> <div>APPROVED JOHN PURDY ENGINEERING MANAGER 01/25/2018 DATE</div> <div>APPROVED DIPANKAR SENGUPTA ENGINEER OF RECORD 01/25/2018 DATE</div>	REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE				
	NUMBER	TITLE	DATE	NUM		DESCRIPTION	LEVEL 4 - SUGGESTED PHASING PLAN			
			01/25/2018	0		FINAL SUBMITTAL				
					M NO. M1301	CONTRACT NO. FQ18064	SCALE 3/64"=1'-0"	DRAWING NO. K08-PP-104	SHEET NO. 384 of 503	

GENERAL STRUCTURAL NOTES

CODES AND STANDARDS:

1. THESE DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS (USE THE LATEST EDITIONS UNLESS NOTED OHERWISE):
- 1.12015 INTERNATIONAL BUILDING CODE.

1.2"MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES": ASCE 7–10, AMERICAN SOCIETY OF CIVIL ENGINEERS.

1.3"BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318–14)", AMERICAN CONCRETE INSTITUTE.

1.4"OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION" (OSHA) SECTION 1926

1.5"MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" 2015.

STRUCTURAL CONSTRUCTION NOTES

1. ALL EXISTING DIMENSIONS SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
2. STRUCTURAL DRAWINGS MUST BE USED IN CONJUNCTION WITH SPECIFICATIONS, AND OTHER DISCIPLINES DRAWINGS DURING ALL PHASES OF CONSTRUCTION. DISCREPANCIES BETWEEN ENGINEERING DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION BEFORE COMMENCING WORK.
3. CONTRACTOR SHALL MAINTAIN SAFEGUARDS NECESSARY TO PROTECT PERSONS AND PROPERTY FROM INJURY OR DAMAGE DURING THE PERFORMANCE OF THE WORK. OSHA, STATE, COUNTY AND MUNICIPAL CODES SHALL BE FOLLOWED.
4. THE PARKING FACILITY SHALL REMAIN IN SERVICE DURING THE ENTIRE PROJECT CONSTRUCTION EXECUTION. MAINTAIN AT LEAST TWO MEANS OF EMERGENCY AND EGRESS EXITS, ROUTES AND ACCESS TO ELEVATORS FROM EACH PARKING LEVEL DURING THE PROJECT CONSTRUCTION EXECUTION. CONTRACTOR SHALL PROVIDE TEMPORARY SIGNAGE DIRECTING PATRONS TO OPERATIONAL STAIRS AND ELEVATORS.
5. STAGING AREAS ARE TO BE KEPT CLEAN OF DEBRIS AND DIRT ON A DAILY BASIS, CONTRACTOR IS RESPONSIBLE FOR ALL MAINTENANCE AND CLEANING OF THESE AREAS DURING THE COURSE OF THE PROJECT.
6. CONTRACTOR SHALL PROTECT ALL EXISTING LANDSCAPED AREAS IN THE VICINITY WHERE WORK IS TO BE PERFORMED.
7. INFORMATION IN SECTIONS AND DETAILS SHOWN ON DRAWINGS ARE TYPICAL FOR THE ENTIRE PROJECT AND SHALL BE CONSIDERED TYPICAL FOR SIMILAR SITUATIONS NOT SHOWN.
8. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO PRODUCING SHOP DRAWINGS, FABRICATING COMPONENTS, OR ORDERING MATERIALS. ALL SHOP DRAWINGS SHALL SHOW DIMENSIONS FIELD VERIFIED BY THE CONTRACTOR.
9. THE QUANTITIES OF DETERIORATION SHOWN ON THE BID SCHEDULE ARE APPROXIMATE AND CAN VARY IN THE FIELD. ACTUAL FIELD CONDITIONS MAY WARRANT MODIFICATIONS TO THE CONSTRUCTION DETAILS. AREAS OF NEW DETERIORATION THAT HAVE OCCURRED AFTER THE COMPLETION OF THE CONDITION SURVEY INSPECTION ARE ALSO TO BE EXPECTED. THE CONTRACTOR SHALL SOUND ALL CONCRETE SURFACES AND MARK ALL AREAS OF CONCRETE DETERIORATION IN NEED OF REPAIR. THE LAYOUT SHALL BE VERIFIED AND APPROVED BY THE ENGINEER OF RECORD.
10. ALL INFORMATION SHOWN ON DRAWINGS HAVE BEEN PREPARED BASED ON AVAILABLE DOCUMENTS AND FIELD CONDITIONS. NO MATERIAL TESTING WAS PERFORMED.
11. CONTRACTOR SHALL SUBMIT SHORING PLANS WITH PROCEDURE AND SHOP DRAWING FOR APPROVAL PRIOR TO CONSTRUCTION. SEE SHORING DETAIL ON DRAWING S–510. PHASING BASED ON POTENTIAL NEED FOR SHORING THREE LEVELS BELOW THE WORK AREA FOR BEARING PAD REPLACEMENT FOR EACH PHASE AREA, NO MORE THAN FOUR LEVELS WITHIN PHASE AREA SHALL BE CLOSED AT A TIME (ONE FOR WORK AND THREE FOR SHORING BELOW) IN ORDER TO MINIMIZE OCCUPIED PARKING SPACES.
12. CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGE TO CONDUITS THAT RESULT FROM THE SCOPE OF WORK.
13. CONTRACTOR SHALL PROVIDE TRAFFIC SIGNAGE DURING CONSTRUCTION AS PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ISSUED BY THE FEDERAL HIGHWAY ADMINISTRATION.
14. THE TOTAL NUMBER OF PARKING SPACES THAT CAN BE TAKEN OUT OF SERVICE SHALL BE LIMITED TO A MAXIMUM OF 250 SPACES AT A GIVEN TIME. PROVIDE TWO WEEKS ADVANCE NOTICE ON ALL 250 PARKING SPACES BEFORE TAKING PARKING SPACES FOR REHABILITATION.
15. TOTAL NUMBER OF HANDICAP PARKING SPACES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION DURATION. PROVIDE TEMPORARY HANDICAP SPACES AS REQUIRED AT OR NEAR ELEVATORS.
16. CONTRACTOR SHALL PROVIDE DEBRIS FALL PROTECTION BENEATH THE EXPANSION JOINT DURING REPLACEMENT ACTIVITIES.

17. CONTRACTOR SHALL PROVIDE TWO WEEKS NOTICE PRIOR REMOVAL AND RELOCATION OF HANDICAPPED PARKING SPACES AND SIGNS DUE TO CONSTRUCTION. MINIMUM SIZE OF SIGNS AS PER INTERNATIONAL BUILDING CODE–2015 SHALL BE NO LESS THAN 2’–0” BY 2’–0” IN SIZE.
18. PROVIDE 28”X36” COROPLAST OR EQUIVALENT SIGN AT SIX LOCATIONS ON EACH GARAGE PER WMATA APPROVED LOCATION. THE SIGN SHALL STATE DURATION OF PROJECT AT START DATE AND GENERAL NOTICE IN ENGLISH AND SPANISH.
19. ELEVATOR LOBBIES SHALL BE REHABILITATED WHEN THE GARAGE IS SHUT DOWN AND SHALL BE RETURNED TO SERVICE WHEN THE SYSTEM IS RUNNING TO PRESERVE ACCESSIBILITY TO THE STATION.
20. CONSTRUCTION PHASING SHALL OCCUR ONE LEVEL AT A TIME CONSECUTIVELY, BEGINNING WITH TOP TIER AND ENDING WITH GROUND LEVEL. CONTRACTOR SHALL NOT BEGIN WORK ANY ADDITIONAL PHASES WITHOUT APPROVAL OF COMPLETING WORK IN A PREVIOUS PHASE.
21. CONTRACTOR MUST PROVIDE THE RIGHT OF WAY CLEARANCES TO PUBLIC DURING CONSTRUCTION PHASES ON LEVELS.

CONCRETE NOTES

1. ALL CONCRETE/MORTAR REPAIRS ARE TO INCLUDE AN EPOXY BONDING AGENT UNLESS INDICATED OTHERWISE. BONDING AGENT SHALL BE APPLIED TO ALL CONCRETE/MORTAR REPAIR AREAS PRIOR TO THE APPLICATION OF REPAIR MATERIALS, UNLESS NOTED OTHERWISE.
2. STEEL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
4. UNLESS NOTED OTHERWISE, BARS AT SPLICES ARE TO BE LAPPED IN ACCORDANCE WITH THE TABLE "MINIMUM REINFORCEMENT LAP SPLICES AND EMBEDMENTS" AS FOLLOWS:

REINFORCING STEEL LAP SPLICES AND EMBEDMENTS								
BAR SIZE	MINIMUM LAP SPlice LENGTH (INCHES)				MINIMUM EMBEDMENT LENGTH (INCHES)			
	TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
CLEAR COVER	< 2"	≥ 2"	< 2"	≥ 2"	< 2"	≥ 2"	< 2"	≥ 2"
3	14	14	12	12	12	12	12	12
4	19	19	14	14	14	14	12	12
5	27	23	21	18	21	18	16	14
6	38	28	29	21	29	21	22	17
7	61	40	47	31	47	31	36	24
8	76	46	59	35	59	35	45	27
9	93	57	71	44	71	44	55	34
10	112	70	87	54	87	54	67	42
11	133	84	102	65	102	65	79	50
<div>NOTES:</div> <div>1. TABLE BASED ON ACI 318–14 WITH f’c = 5,000 PSI AND f’y = 60,000 PSI.</div> <div>2. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12” DEPTH OF CONCRETE CAST BELOW THE REINFORCEMENT.</div> <div>3. HORIZONTAL WALL REINFORCEMENT IS CONSIDERED A TOP BAR.</div> <div>4. CLEAR COVER = CONCRETE COVER FOR REINFORCEMENT BARS.</div> <div>5. FOR EPOXY–COATED BARS, MULTIPLY THE TABULATED VALUES BY 1.2.</div> <div>6. FOR f’c=4,000 PSI, MULTIPLY THE TABULATED VALUES BY 1.1.</div>								

5. CONCRETE COVER FOR REINFORCEMENT BARS SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED OTHERWISE ON DRAWINGS:
- a. UNFORMED SURFACES IN CONTACT WITH GROUND

3 INCHES

b. FORMED SURFACES IN CONTACT WITH GROUND OR EXPOSED TO WEATHER AND ALL WALLS

2 INCHES

c. COLUMNS AND BEAMS

1 1/2 INCHES

d. EXTERIOR EXPOSURE, TOP OF SLABS

1 1/2 INCHES

6. CHAMFER EXPOSED CONCRETE EDGES TO MATCH EXISTING.
7. DRILLED HOLES FOR EPOXY ANCHORED DOWELS/ANCHORS SHALL BE 1/8 INCH LARGER IN DIAMETER THAN DOWEL/ANCHOR DIAMETER.

STEEL NOTES

1. ALL STEEL WIDE FLANGE SHAPES SHALL CONFORM TO A992 GALVANIZED STEEL. ALL OTHER STEEL SHAPES AND PLATES SHALL CONFORM TO ASTM A36 GALVANIZED UNLESS NOTED OTHERWISE.
2. ANCHORS SHALL BE GALVANIZED OR STAINLESS STEEL EXPANSION ANCHORS OR APPROVED EQUAL AS SHOWN ON DRAWINGS.
3. WELDING SHALL BE COMPLY WITH THE LATEST AWS 1.1 CODE. E70XX ELECTRODES SHALL BE USED FOR ALL WELDS.

CONCRETE REPAIR NOTES:

1. THE LOCATION AND EXTENT OF EACH TYPE OF REPAIR IS SHOWN ON THE DRAWINGS. THE C.M. AND THE CONTRACTOR SHALL JOINTLY INSPECT EACH ITEM TO BE REPAIRED. THE CONTRACTOR SHALL QUANTIFY ANY ADDITIONAL REPAIRS AND GET APPROVAL FROM THE C.M. PRIOR TO THE START OF REPAIR WORK.
2. CONCRETE REPAIRS SHALL BE COMPLETED IN THE FOLLOWING ORDER: SPALL REPAIRS, CRACK REPAIR BY EPOXY INJECTION AND APPLICATION OF PROTECTIVE COATINGS.
3. PATCHING SHALL NOT BE PERFORMED AT ANY LOCATION UNTIL THE C.M. HAS APPROVED THE FOLLOWING:

(a) THE SURFACES TO RECEIVE PATCHING MATERIAL.


(b) THE REINFORCEMENT, INCLUDING ADEQUATE CONCRETE REMOVAL, ADEQUATE REINFORCEMENT STEEL AND ADEQUATE REINFORCEMENT STEEL SUPPORT AND COVER. JUST PRIOR TO PATCHING, CLEAN SURFACES TO BE PATCHED OF ALL MATERIAL WHICH IS NOT SOUND CONCRETE OR REBAR, AND SATURATE WITH WATER TO PRODUCE A SURFACE–SATURATED DRY CONDITION (WITH NO STANDING WATER) DURING APPLICATION.

REMOVAL NOTES:

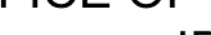

1. REMOVE OR DEMOLISHED MATERIALS SHALL NOT BE ALLOWED TO FALL, DROP OR IMPACT AGAINST THE STRUCTURE TO REMAIN.
2. AREAS DAMAGED BY REMOVALS / DEMOLITION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER OF RECORD.

GFP

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JOINT VENTURE



DIPANKAR SENGUPTA
Lic. No. 0402043677
01-25-2018
PROFESSIONAL ENGINEER

DESIGNED K. TSE 01/2018 DATE			REFERENCE DRAWINGS		REVISIONS			<div><div><div><div>M</div><div>metro</div></div><div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div><div>OFFICE OF THE CHIEF OPERATING OFFICER IRPG - FIXED FACILITIES</div><div><div>APPROVED 01/25/2018 JOHN PURDY ENGINEERING MANAGER</div><div>DATE</div><div><div>APPROVED 01/25/2018 DIPANKAR SENGUPTA ENGINEER OF RECORD</div><div>DATE</div></div></div></div></div>				REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE				
			NUMBER	TITLE	DATE	NUM	DESCRIPTION									
DRAWN A. PINKOWSKI 01/2018 DATE					01/25/2018	0	FINAL SUBMITTAL					GENERAL STRUCTURAL NOTES				
CHECKED D. SENGUPTA 01/2018 DATE																

STRUCTURAL REPAIR KEY NOTES, ABBREVIATIONS, AND SYMBLOLS

KEYNOTES

- 1

TYPICAL EXPANSION JOINT REPAIR, SEE DETAIL 1 ON DRAWING S-501.
- 2

TYPICAL SEALANT REPAIR AT TOOLED JOINT, SEE DETAIL 2 ON DRAWING S-501.
- 3

TYPICAL SEALANT REPAIR AT DOUBLE TEE BEAM JOINT, SEE DETAIL 3 ON DRAWING S-502.
- 4

TYPICAL DOUBLE TEE BEAM FLANGE SPALL WITH SEALANT DETAIL, SEE DETAIL 4 ON DRAWING S-502.
- 5

TYPICAL DOUBLE TEE BEAM FLANGE SPALL REPAIR DETAIL, SEE DETAIL 5 ON DRAWING S-503.
- 6

TYPICAL VERTICAL JOINT SEALANT REPAIR, SEE DETAIL 6 ON DRAWING S-503.
- 7

TYPICAL UNDERSIDE CRACK REPAIR, SEE DETAIL 7 ON DRAWING S-504.
- 8

TYPICAL TOP SIDE CRACK REPAIR, SEE DETAIL 8 ON DRAWING S-504.
- 9

TYPICAL VERTICAL CRACK REPAIR, SEE DETAIL 9 ON DRAWING S-505.
- 10

TYPICAL VERTICAL SPALL REPAIR, SEE DETAIL 10 ON DRAWING S-505.
- 11

TYPICAL CONCRETE TOP SIDE SPALL REPAIR, SEE DETAIL 11 ON DRAWING S-506.
- 12

TYPICAL FULL DEPTH SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK, SEE DETAIL 12 ON DRAWING S-506.
- 13

TYPICAL DEEP SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK, SEE DETAIL 13 ON DRAWING S-507.
- 14

TYPICAL REPAIR AT HORIZONTAL LIFTING POINT, SEE DETAIL 14 ON DRAWING S-507.
- 15

TYPICAL DETERIORATED CONCRETE WASH REPAIR, SEE DETAIL 15 ON DRAWING S-508.
- 16

TYPICAL DOUBLE TEE WEB SPALL REPAIR, SEE DETAIL 16 ON DRAWING S-508.
- 17

TYPICAL CONNECTION PLATE REPAIR, SEE DETAIL 17 ON DRAWING S-509.
- 18

TYPICAL DOUBLE TEE BEARING PAD REPLACEMENT, SEE DETAIL 18 ON DRAWING S-510.
- 19

TYPICAL UNEVEN JOINT AT DOUBLE TEE FLANGES, SEE DETAIL 19 ON DRAWING S-511.
- 20

TYPICAL CONCRETE CURB REPAIR, SEE DETAIL 20 ON DRAWING S-511.
- 21

TYPICAL CMU WALL CRACK REPAIR AT DOUBLE TEE, SEE DETAIL 21 ON DRAWING S-512.
- 22

TYPICAL TRAFFIC TOPPING REPAIR AT PARAPET WALL, SEE DETAIL 22 ON DRAWING S-512.
- 23

TYPICAL TRAFFIC BEARING MEMBRANE, SEE DETAIL 23 ON DRAWING S-513.
- 24

TYPICAL TRAFFIC BOLLARD REPAIR, SEE DETAIL 24 ON DRAWING S-513.
- 25

INSTALL NEW PLASTIC CAP AT VERTICAL LIFTING POINT., SEE DETAIL 25 ON DRAWING S-514.
- 26

LOCATIONS MARKED ON PLANS WITH PONDING AREA SHALL BE CLEANED AND REPAIRED WITH CONCRETE TOPPING TO PROVIDE APPROPRIATE DRAINAGE SLOPE, SEE DETAIL 26 ON DRAWING S-514.
- 27

LOCATIONS MARKED ON PLANS WITH EFFLORESCENCE OR RUST STAINING SHALL BE CLEANED AND SEALED BY POWER WASHING AND APPLYING EPOXY SEALANT TO THE AREAS MARKED, SEE DETAIL 27 ON DRAWING S-514.
- 28

LOCATIONS MARKED ON PLANS WITH MORTAR/GROUT DETERIORATION AND CRACKED CMU SHALL BE RETOOLED/REGROUTED AND REPLACE CRACKED CMU BLOCK, SEE DETAIL 28 ON DRAWING S-514.
- 29

LOCATIONS MARKED ON PLANS WITH CONNECTION PLATE CORROSION SHALL BE CLEANED AND SEALED BY APPLYING EPOXY SEALANT TO THE AREAS MARKED, SEE DETAIL 29 ON DRAWING S-515.
- 30

LOCATIONS MARKED ON PLANS WITH MAP CRACKING OR HONEYCOMB SHALL BE CLEANED AND COATED WITH WATERPROOFING, SEE DETAIL 30 ON DRAWING S-515.
- 31

LOCATIONS MARKED ON PLANS WITH WATER LEAKING ON WALL SHALL BE CLEANED AND ANY DETERIORATED JOINT SHALL BE REPAIRED, SEE DETAIL 31 ON DRAWING S-515.
- 32

LOCATIONS MARKED ON PLANS WITH CORRODED/MISSING ANCHOR BOLTS SHALL BE INSTALLED WITH NEW ANCHOR BOLTS AND PAINTED, SEE DETAIL 32 ON DRAWING S-515.
- 33

REPLACE PARKING GARAGE STOP CURB, SEE DETAIL 33 ON DRAWING S-516.
- 34

LOCATIONS MARKED ON PLANS WITH DISPLACED ANGLE/MISSING ANCHOR AT EXPANSION JOINT SUPPORT SHALL BE REALIGNED AND INSTALLED WITH NEW ANCHOR AND PAINT, SEE DETAIL 34 ON DRAWING S-516.
- 35

LOCATIONS MARKED ON PLANS WITH CORROSION AT WELDING SHALL BE CLEANED AND GALVANIZE COATING TO BE PROVIDED, SEE DETAIL 35 ON DRAWING S-516.
- 36

TYPICAL REPAIR AT CRACK PARALLEL TO EXPANSION JOINT, SEE DETAIL 36 ON DRAWING S-517.
- 37

TYPICAL INVERTED TEE SPALL REPAIR, SEE DETAIL 37 ON DRAWING S-517.
- 38

TYPICAL STAIR NOSING REPAIR, SEE DETAIL 38 ON DRAWING S-518.
- 39

TYPICAL SILANE SEALER COATING SYSTEM, SEE DETAIL 39 ON DRAWING S-519.
- 40

TYPICAL MINOR LONGITUDINAL CRACK REPAIR AT UNDERSIDE OF DOUBLE TEE, SEE DETAIL 40 ON DRAWING S-519.

ABBREVIATIONS

- A.R.

AUTHORITY'S REPRESENTATIVE
- BM.

BEAM
- B.O.

BOTTOM OF
- B.O.S.

BOTTOM OF STEEL
- CL

CENTERLINE
- C.M.

CONSTRUCTION MANAGER
- C.M.U.

CONCRETE MASONRY UNITS
- CONC.

CONCRETE
- DIA.

DIAMETER
- DWG.

DRAWING
- E.W.

EACH WAY
- EL.

ELEVATION
- EXIST.

EXISTING
- EXP. JT.

EXPANSION JOINT
- EMBED.

EMBEDMENT
- F.D.

FLOOR DRAIN
- (FT) / '

FOOT/FEET
- F.F.

FINISH FLOOR
- GALV.

GALVANIZED
- (IN) / "

INCH/INCHES
- INFO.

INFORMATION
- MANUF.

MANUFACTURER
- MAX.

MAXIMUM
- MIN.

MINIMUM
- MISC.

MISCELLANEOUS
- NO.

NUMBER
- O.C.

ON CENTER
- P.S.I.

POUNDS PER SQUARE INCH
- P.S.F.

POUNDS PER SQUARE FOOT
- QTY.

QUANTITY
- R.E.

REPRESENTATIVE ENGINEER
- REINF.

REINFORCEMENT
- REQ.

REQUIRED
- SF./GAL.

SQUARE FEET PER GALLON
- SHM.

SHIM
- THK.

THICK
- TYP.

TYPICAL
- V.I.F.

VERIFY IN THE FIELD
- WWF.

WIRE WELDED FABRIC
- W/

WITH
- U.N.O.

UNLESS NOTED OTHERWISE

SYMBOLS

- @

AT
- EL.

ELEVATION
- STEP SYMBOL

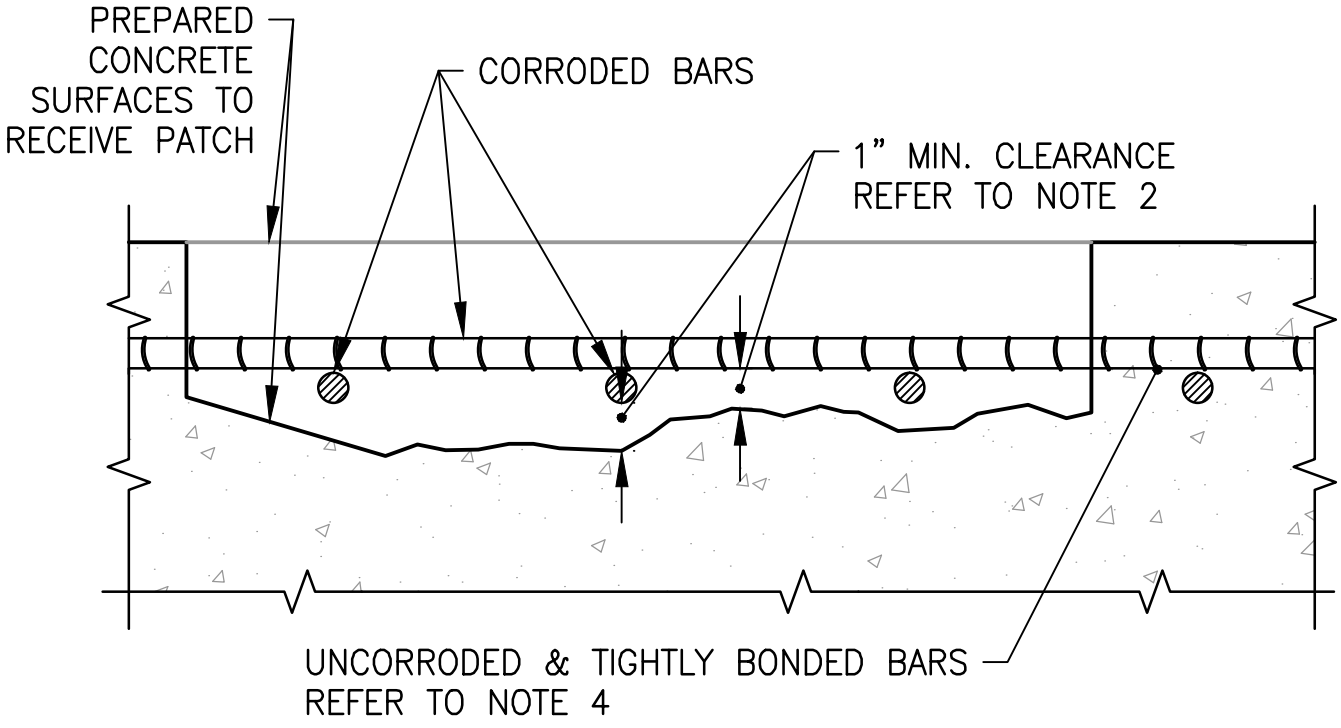
KEYNOTE SYMBOL

- KEYNOTE NUMBER
- REGION WHERE REPAIR LOCATION(S) CAN BE FOUND. SEE NOTE 1

- KEYNOTE NUMBER
- AREA BETWEEN COLUMN LINES WHERE REPAIR LOCATIONS CAN BE FOUND. SEE NOTE 1

NOTE 1: THE NUMBER OF ARROWS IN KEYNOTE SYMBOL INDICATES DEFECT REGIONS, NOT NUMBER OF DEFECTS. REFER TO REPAIR QUANTITY TABLE IN PLAN FOR NUMBER OF DEFECTS AND REPAIR QUANTITIES.

TYPICAL GUIDELINE FOR EXPOSING AND UNDERCUTTING REINFORCING STEEL



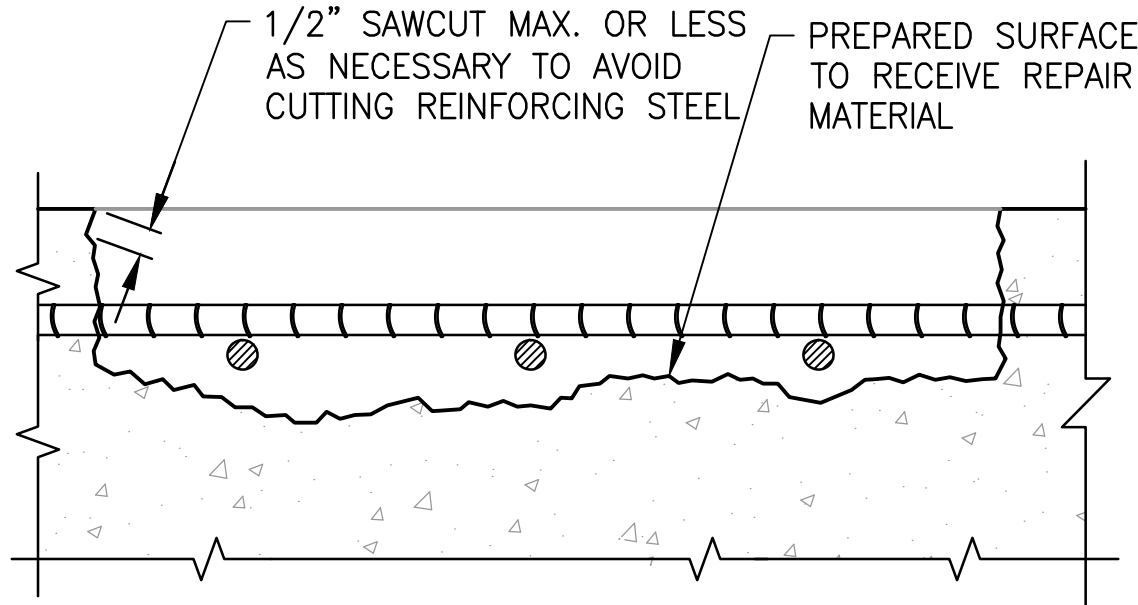
SECTION THROUGH CONCRETE MEMBER

CAUTION: BEFORE STARTING REMOVALS, REVIEW EFFECT OF REMOVALS ON STRUCTURAL INTEGRITY. PROVIDE SHORING OF MEMBERS AS NECESSARY.

NOTES:

1. REMOVE LOOSE OR DELAMINATED CONCRETE ABOVE CORRODED REINFORCING STEEL. ONCE INITIAL REMOVALS ARE MADE, PROCEED WITH THE UNDERCUTTING OF ALL EXPOSED CORRODED BARS. UNDERCUTTING WILL PROVIDE CLEARANCE FOR UNDER BAR CLEANING, FULL BAR CIRCUMFERENCE BONDING TO SURROUNDING CONCRETE, AND WILL SECURE THE PATCH STRUCTURALLY.
2. PROVIDE MINIMUM 1" CLEARANCE BETWEEN EXPOSED REBARS AND SURROUNDING CONCRETE OR 1/4" LARGER THAN LARGEST AGGREGATE IN REPAIR MORTAR, WHICHEVER IS GREATER.
3. CONCRETE REMOVALS SHALL EXTEND ALONG THE BARS TO LOCATIONS ALONG THE BAR FREE OF BOND INHIBITING CORROSION, AND WHERE THE BAR IS WELL BONDED TO SURROUNDING CONCRETE.
4. IF UNCORRODED REINFORCING STEEL IS EXPOSED DURING THE UNDERCUTTING PROCESS, CARE SHALL BE TAKEN NOT TO DAMAGE THE BAR'S BOND TO SURROUNDING CONCRETE. IF BOND BETWEEN BAR AND CONCRETE IS BROKEN, AS DETERMINED BY THE A.R., UNDERCUTTING OF THE BAR SHALL BE REQUIRED.
5. ANY REINFORCEMENT WHICH IS LOOSE SHALL BE SECURED IN PLACE BY TYING TO OTHER SECURED BARS OR BY OTHER APPROVED METHODS.
6. TAKE EXTRA PRECAUTION NOT TO DAMAGE REINFORCEMENT WHEN REMOVING CONCRETE.
7. APPLICABLE TO HORIZONTAL, VERTICAL AND OVERHEAD LOCATIONS UNLESS OTHERWISE NOTED IN DRAWINGS.

TYPICAL GUIDELINE FOR EDGE AND SURFACE CONDITIONING



SECTION THROUGH CONCRETE MEMBER

CAUTION: BEFORE STARTING REMOVALS, REVIEW EFFECT OF REMOVALS ON STRUCTURAL INTEGRITY. PROVIDE SHORING OF MEMBERS AS NECESSARY.

NOTES:

1. REMOVE DELAMINATED CONCRETE, UNDERCUT REINFORCING STEEL (REFER TO REINFORCING STEEL UNDERCUTTING GUIDELINE), REMOVE ADDITIONAL CONCRETE AS REQUIRED TO PROVIDE MINIMUM REQUIRED THICKNESS OF REPAIR MATERIAL.
2. TAKE EXTRA PRECAUTION NOT TO DAMAGE REINFORCEMENT WHEN REMOVING CONCRETE.
3. AT EDGE LOCATIONS PROVIDE ANGLE CUTS. AVOID FEATHER EDGES. FOR SHOTCRETE REPAIRS REFER TO ACI 506 EDGE PREPARATION GUIDELINES. PATCH CONFIGURATION SHOULD BE KEPT AS SIMPLE AS POSSIBLE. FOR EXAMPLE:
- PREFERRED

PREFERRED
4. AFTER REMOVALS AND EDGE CONDITIONING ARE COMPLETE, REMOVE BOND INHIBITING MATERIALS (DIRT, LOOSELY BONDED AGGREGATES) BY ABRASIVE BLASTING OR HIGH PRESSURE WATERBLASTING WITH OR WITHOUT ABRASIVE. CHECK THE SURFACE AFTER CLEANING TO ENSURE THAT SURFACE IS FREE FROM ADDITIONAL LOOSE AGGREGATE, OR THAT ADDITIONAL DELAMINATIONS ARE NOT PRESENT.
6. APPLICABLE TO HORIZONTAL, VERTICAL AND OVERHEAD LOCATIONS UNLESS OTHERWISE NOTED IN DRAWINGS.

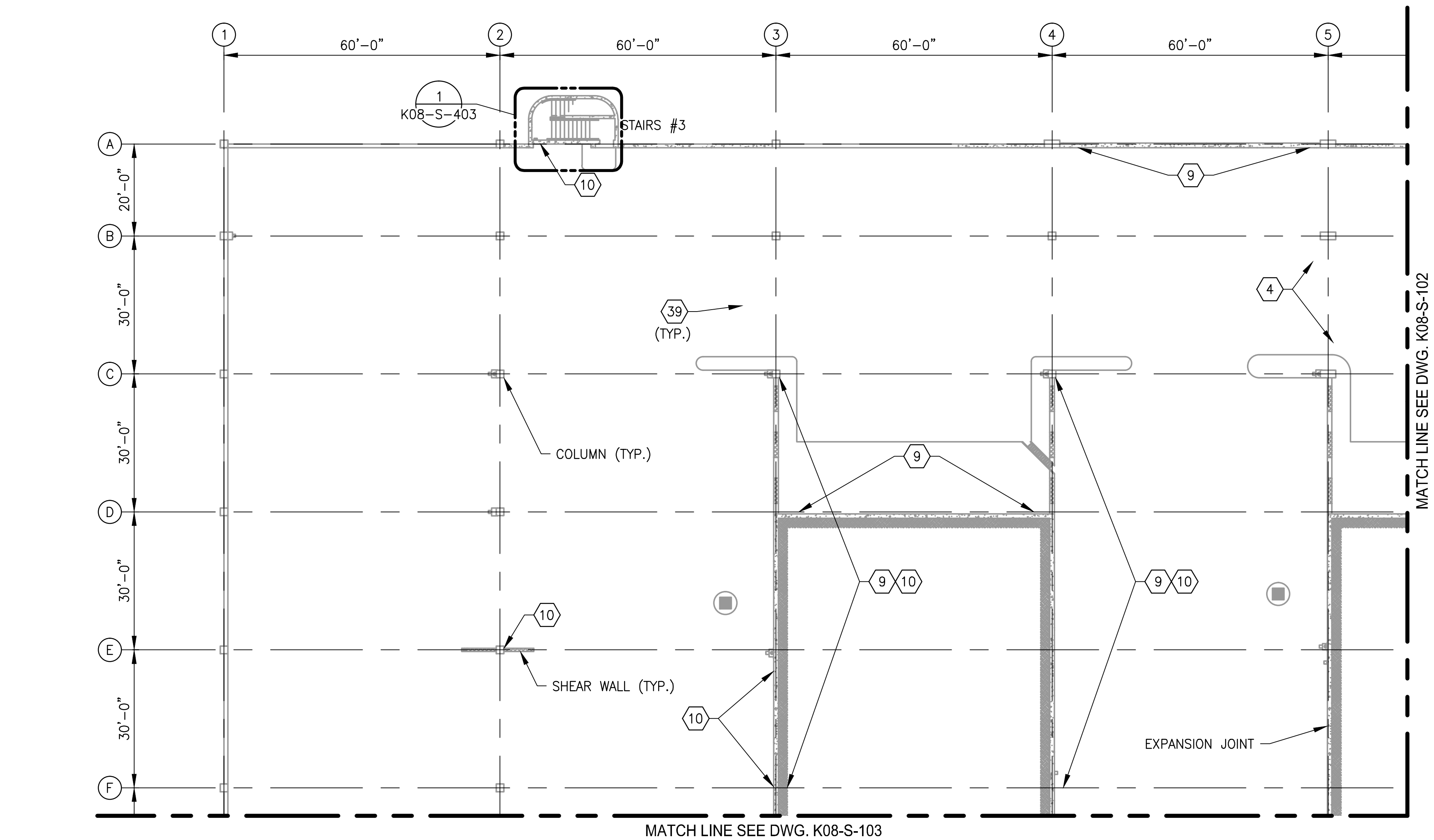
GFP A Gannett Fleming/Parsons
JOINT VENTURE



DESIGNED	K. TSE	01/2018	REFERENCE DRAWINGS		REVISIONS			<div><div>M</div><div>metro</div></div> <div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div> <div>OFFICE OF THE CHIEF OPERATING OFFICER</div> <div>IRPG - FIXED FACILITIES</div> <div><div>APPROVED</div><div></div><div>01/25/2018</div><div>DATE</div><div>JOHN PURDY</div><div>ENGINEERING MANAGER</div></div> <div><div>APPROVED</div><div></div><div>01/25/2018</div><div>DATE</div><div>DIPANKAR SENGUPTA</div><div>ENGINEER OF RECORD</div></div>	REHABILITATION OF PARKING GARAGES							
		DATE	NUMBER	TITLE	DATE	NUM	DESCRIPTION		K08 - VIENNA STATION - NORTH PARKING GARAGE							
	DRAWN	A. PINKOWSKI	01/2018				01/25/2018		0	FINAL SUBMITTAL						
			DATE													
	CHECKED	D. SENGUPTA	01/2018													
			DATE													

GENERAL KEY NOTES, ABBREVIATIONS AND SYMBOLS				
M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.
M1301	FQ18064	NONE	K08-S-002	386 of 503

- NOTES:
- SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 - SILANE COATING SHALL BE PROVIDED FOR ENTIRE PARKING AREA.

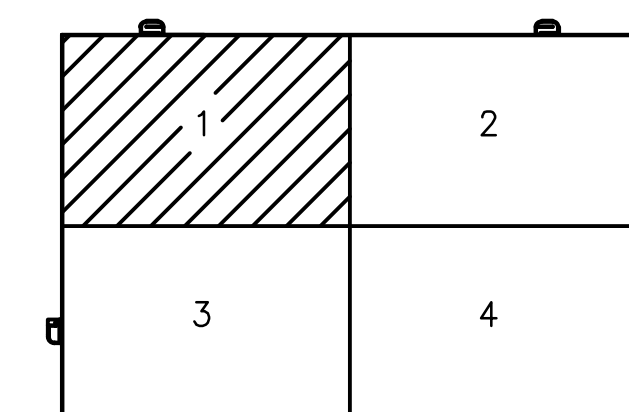


1
K08-S-101

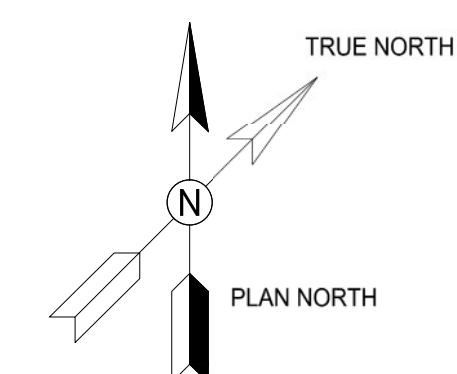
LEVEL 1 - PARTIAL FLOOR PLAN 1

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

STRUCTURAL REPAIR QUANTITIES (LEVEL 1)			
KEY NOTES	QUANTITY	UNIT OF QTY.	NUMBER OF LOCATIONS
2	26	LF	1
4	53	SF	8
8	82	LF	11
9	1334	LF	89
10	298	SF	89
11	80	SF	14
13	8	SF	2
28	3	LF	1
39	142800	SF	1





KEY PLAN

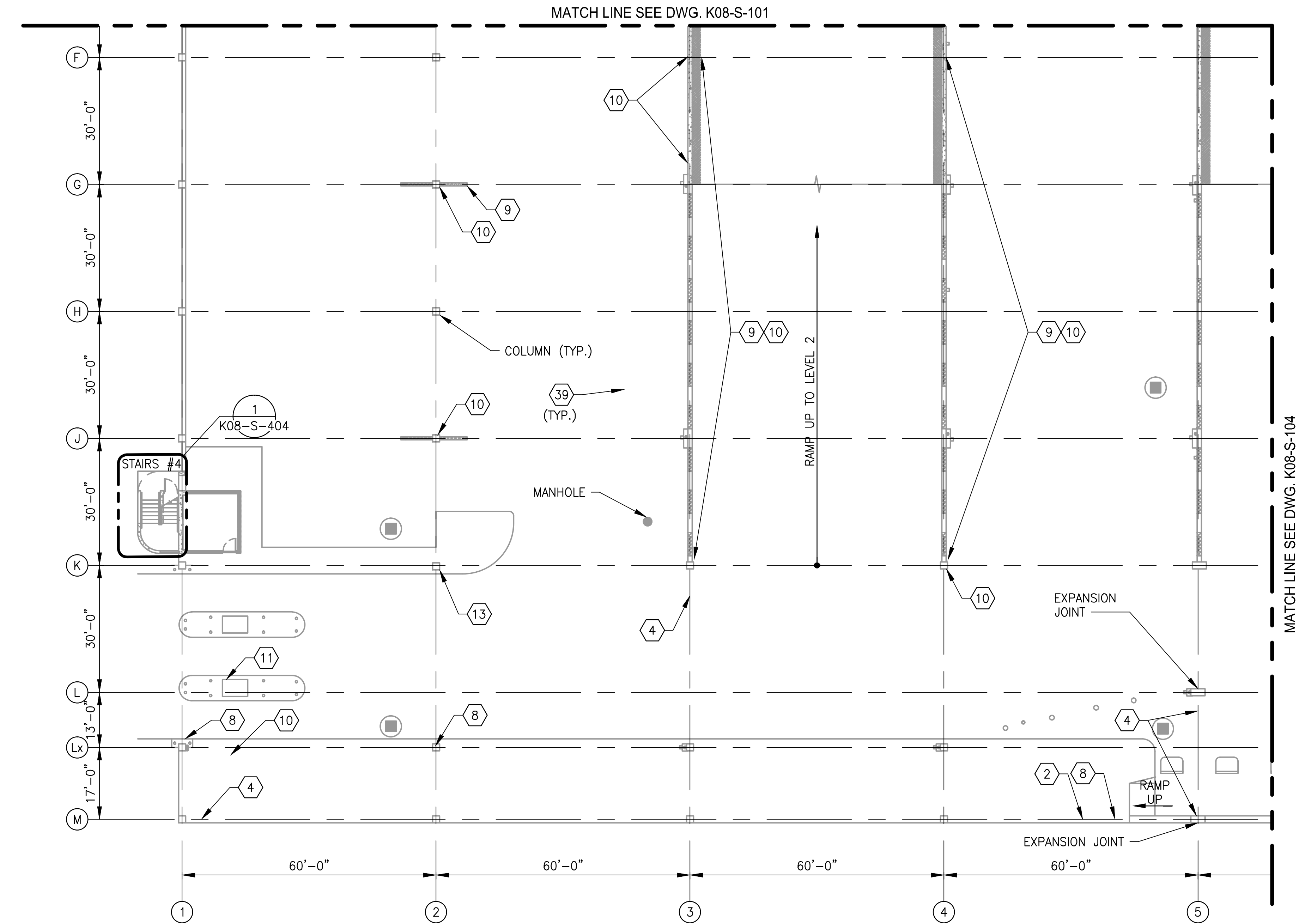


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DIPANKAR SENGUPTA
Lic. No. 0402043677
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PROFESSIONAL ENGINEER

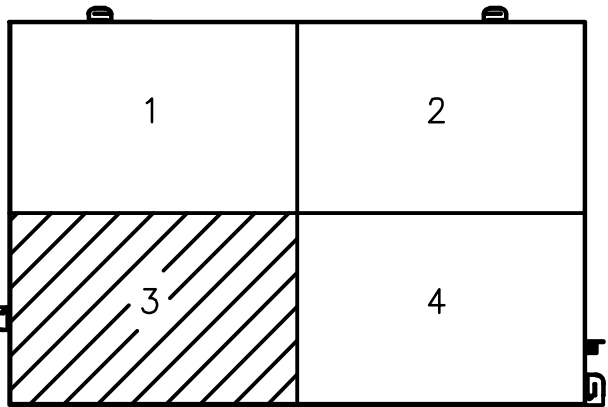
<div>DESIGNED</div> <div>K. TSE</div> <div>01/2018</div> <div>DATE</div> <div>DRAWN</div> <div>A. PINKOWSKI</div> <div>01/2018</div> <div>DATE</div> <div>CHECKED</div> <div>D. SENGUPTA</div> <div>01/2018</div> <div>DATE</div>	REFERENCE DRAWINGS		REVISIONS			<div>M</div> <div>metro</div> <div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div> <div>OFFICE OF THE CHIEF OPERATING OFFICER</div> <div>IRPG - FIXED FACILITIES</div> <div><div>APPROVED</div><div></div><div>01/25/2018</div><div>DATE</div><div>JOHN PURDY</div><div>ENGINEERING MANAGER</div></div> <div><div>APPROVED</div><div></div><div>01/25/2018</div><div>DATE</div><div>DIPANKAR SENGUPTA</div><div>ENGINEER OF RECORD</div></div>	REHABILITATION OF PARKING GARAGES				
	NUMBER	TITLE	DATE	NUM	DESCRIPTION		K08 - VIENNA STATION - NORTH PARKING GARAGE				
			01/25/2018	0	FINAL SUBMITTAL		LEVEL 1				
							PARTIAL FLOOR PLAN 1				
						<div>M NO.</div> <div>M1301</div>	<div>CONTRACT NO.</div> <div>FQ18064</div>	<div>SCALE</div> <div>1/16"=1'-0"</div>	<div>DRAWING NO.</div> <div>K08-S-101</div>	<div>SHEET NO.</div> <div>387 of 503</div>	

- NOTES:
1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 2. SILANE COATING SHALL BE PROVIDED FOR ENTIRE PARKING AREA.
 3. SEE DRAWING K08-S-101 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.

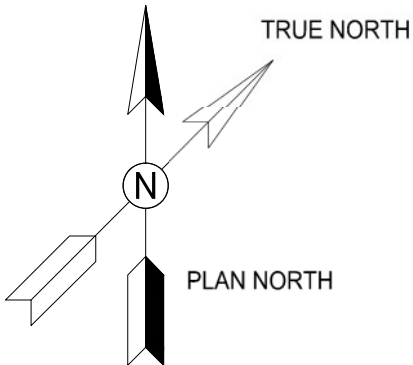


1 LEVEL 1 - PARTIAL FLOOR PLAN 3
K08-S-103

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





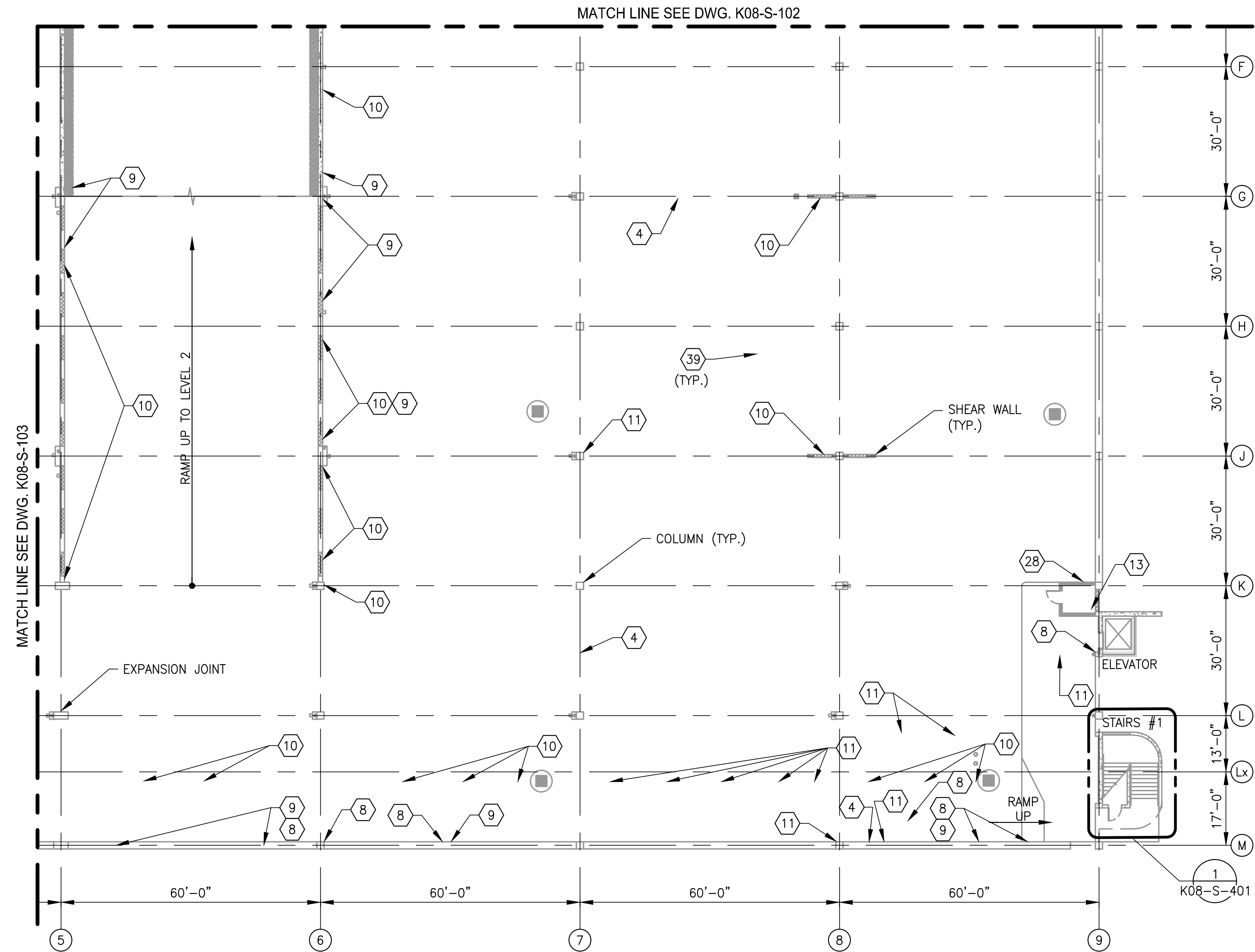
KEY PLAN



GFP A Gannett Fleming/Parsons
JOINT VENTURE

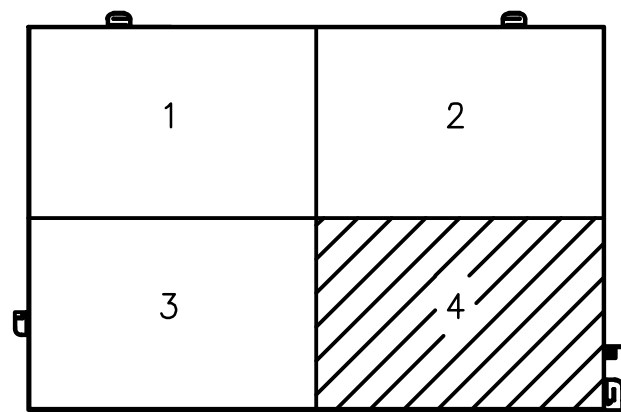
COMMONWEALTH OF VIRGINIA
DIPANKAR SENGUPTA
Lic. No. 0402043677
01-25-2018
PROFESSIONAL ENGINEER

DESIGNED K. TSE DATE 01/2018	REFERENCE DRAWINGS		REVISIONS				<div><div><div>M</div><div>metro</div></div><div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div><div>OFFICE OF THE CHIEF OPERATING OFFICER</div><div>IRPG - FIXED FACILITIES</div><div><div>APPROVED JOHN PURDY ENGINEERING MANAGER</div><div><div>01/25/2018 DATE</div></div><div><div>APPROVED DIPANKAR SENGUPTA ENGINEER OF RECORD</div><div><div>01/25/2018 DATE</div></div></div></div></div>	REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE LEVEL 1 PARTIAL FLOOR PLAN 3				
	NUMBER	TITLE	DATE	NUM	DESCRIPTION			M. NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.
			01/25/2018	0	FINAL SUBMITTAL			M1301	FQ18064	1/16"=1'-0"	K08-S-103	389 of 503

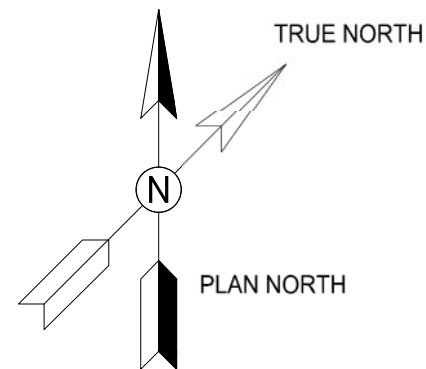


1 LEVEL 1 - PARTIAL FLOOR PLAN 4
K08-S-104

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



KEY PLAN



- NOTES:
1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 2. SILANE COATING SHALL BE PROVIDED FOR ENTIRE PARKING AREA.
 3. SEE DRAWING K08-S-101 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

OFFICE OF THE CHIEF OPERATING OFFICER
IRPG - FIXED FACILITIES

APPROVED
JOHN PURDY
ENGINEERING MANAGER

01/25/2018
DATE

APPROVED
DIPANKAR SENGUPTA
ENGINEER OF RECORD

01/25/2018
DATE

REHABILITATION OF PARKING GARAGES
K08 - VIENNA STATION - NORTH PARKING GARAGE
LEVEL 1
PARTIAL FLOOR PLAN 4

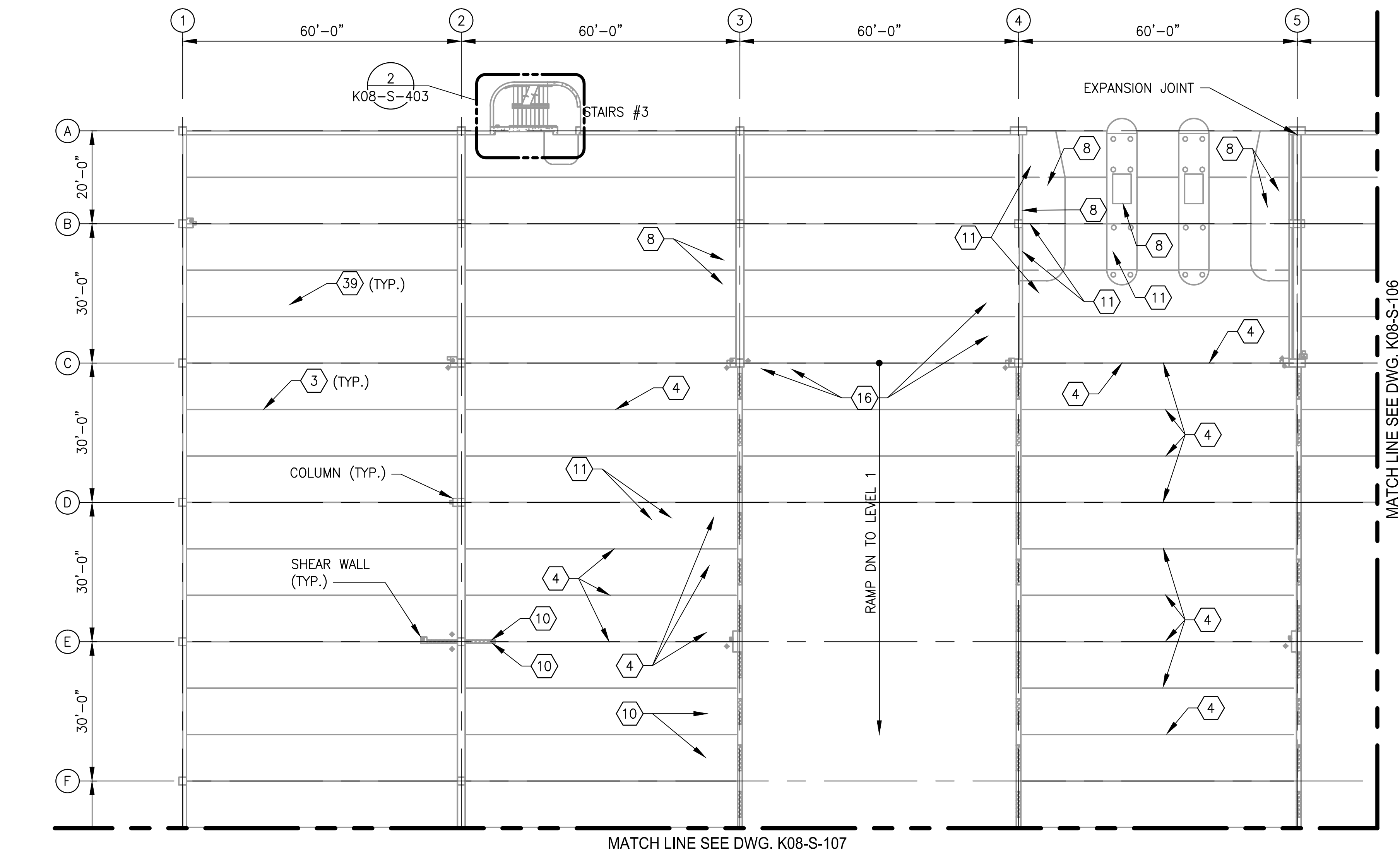
M NO.
M1301

CONTRACT NO.
FQ18064

SCALE
1/16"=1'-0"

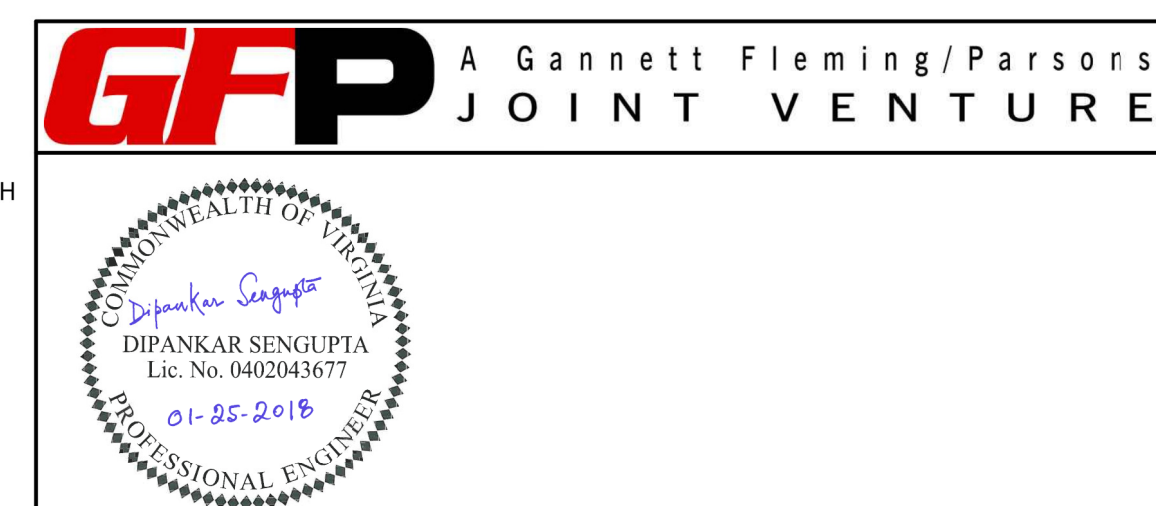
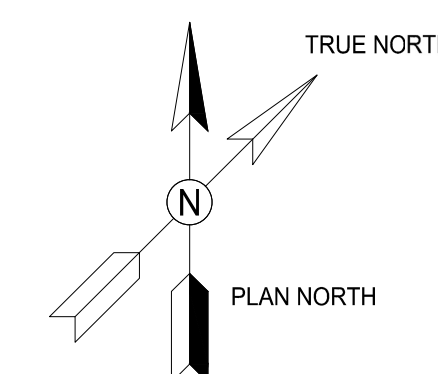
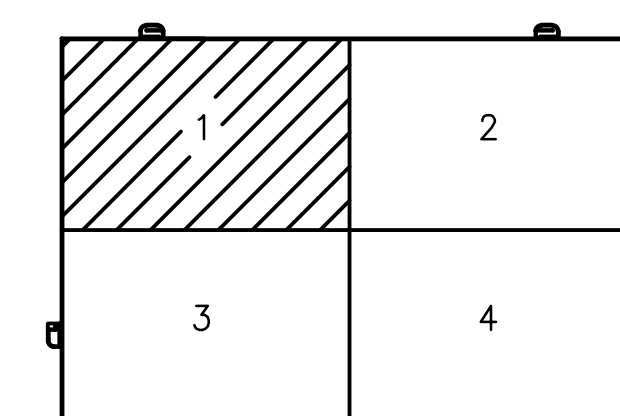
DRAWING NO.
K08-S-104

SHEET NO.
390 of 503

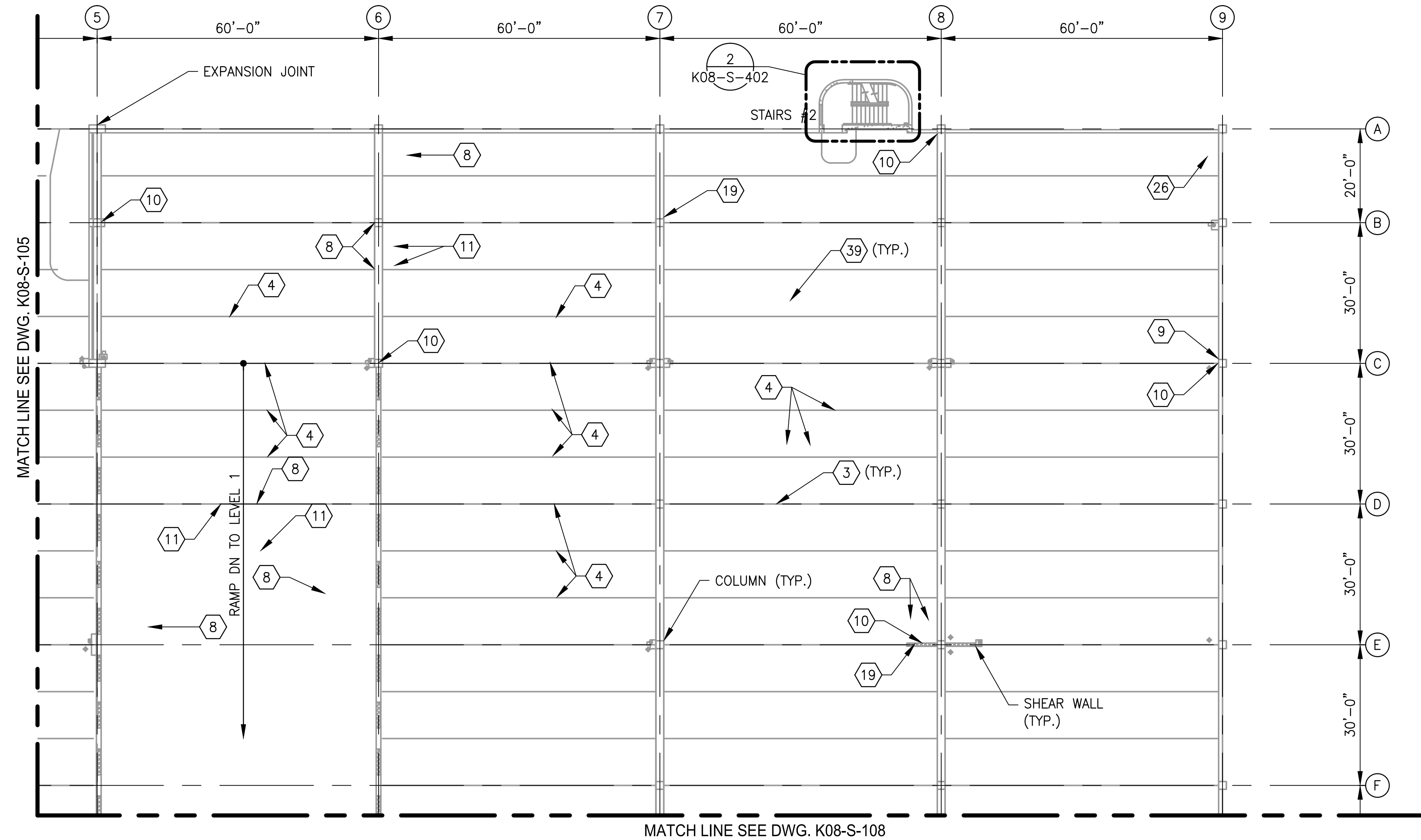


- NOTES:
1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 2. SILANE COATING SHALL BE PROVIDED FOR ENTIRE PARKING AREA.

STRUCTURAL REPAIR QUANTITIES (LEVEL 2)			
KEY NOTES	QUANTITY	UNIT OF QTY.	NUMBER OF LOCATIONS
1	9	LF	1
4	385	SF	32
8	204	LF	17
9	42	LF	7
10	122	SF	16
11	70	SF	11
16	15	SF	1
19	39	SF	5
26	84	SF	2
30	3520	SF	2
39	142800	SF	1

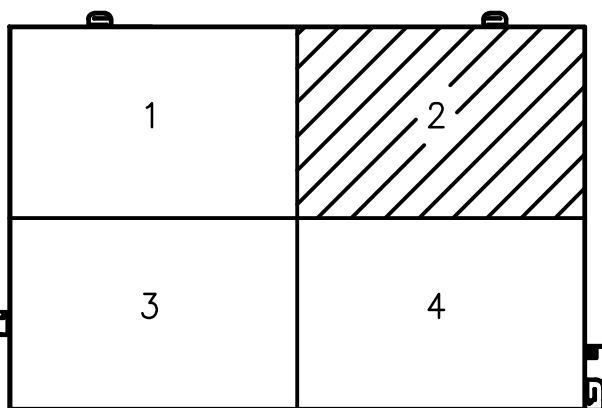


<div>DESIGNED <u>K. TSE</u> 01/2018 DATE</div> <div>DRAWN <u>A. PINKOWSKI</u> 01/2018 DATE</div> <div>CHECKED <u>D. SENGUPTA</u> 01/2018 DATE</div>	REFERENCE DRAWINGS		REVISIONS			<div><div><div>M</div><div>metrol</div></div><div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div><div>OFFICE OF THE CHIEF OPERATING OFFICER</div><div>IRPG - FIXED FACILITIES</div><div><div>APPROVED <u>[Signature]</u> 01/25/2018 DATE</div><div>JOHN PURDY ENGINEERING MANAGER</div></div><div><div>APPROVED <u>[Signature]</u> 01/25/2018 DATE</div><div>DIPANKAR SENGUPTA ENGINEER OF RECORD</div></div></div>		<div>REHABILITATION OF PARKING GARAGES</div> <div>K08 - VIENNA STATION - NORTH PARKING GARAGE</div> <div>LEVEL 2</div> <div>PARTIAL FLOOR PLAN 1</div>				
	NUMBER	TITLE	DATE	NUM	DESCRIPTION	M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.		
			01/25/2018	0	FINAL SUBMITTAL	M1301	FQ18064	1/16"=1'-0"	K08-S-105	391 of 503		

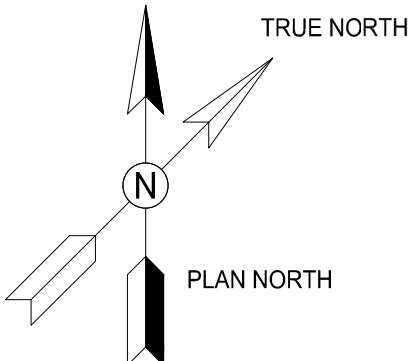


- NOTES:
- 1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 - 2. SILANE COATING SHALL BE PROVIDED FOR ENTIRE PARKING AREA.
 - 3. SEE DRAWING K08-S-105 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.

1 LEVEL 2 - PARTIAL FLOOR PLAN 2
K08-S-106
SCALE: 1/16"=1'-0"





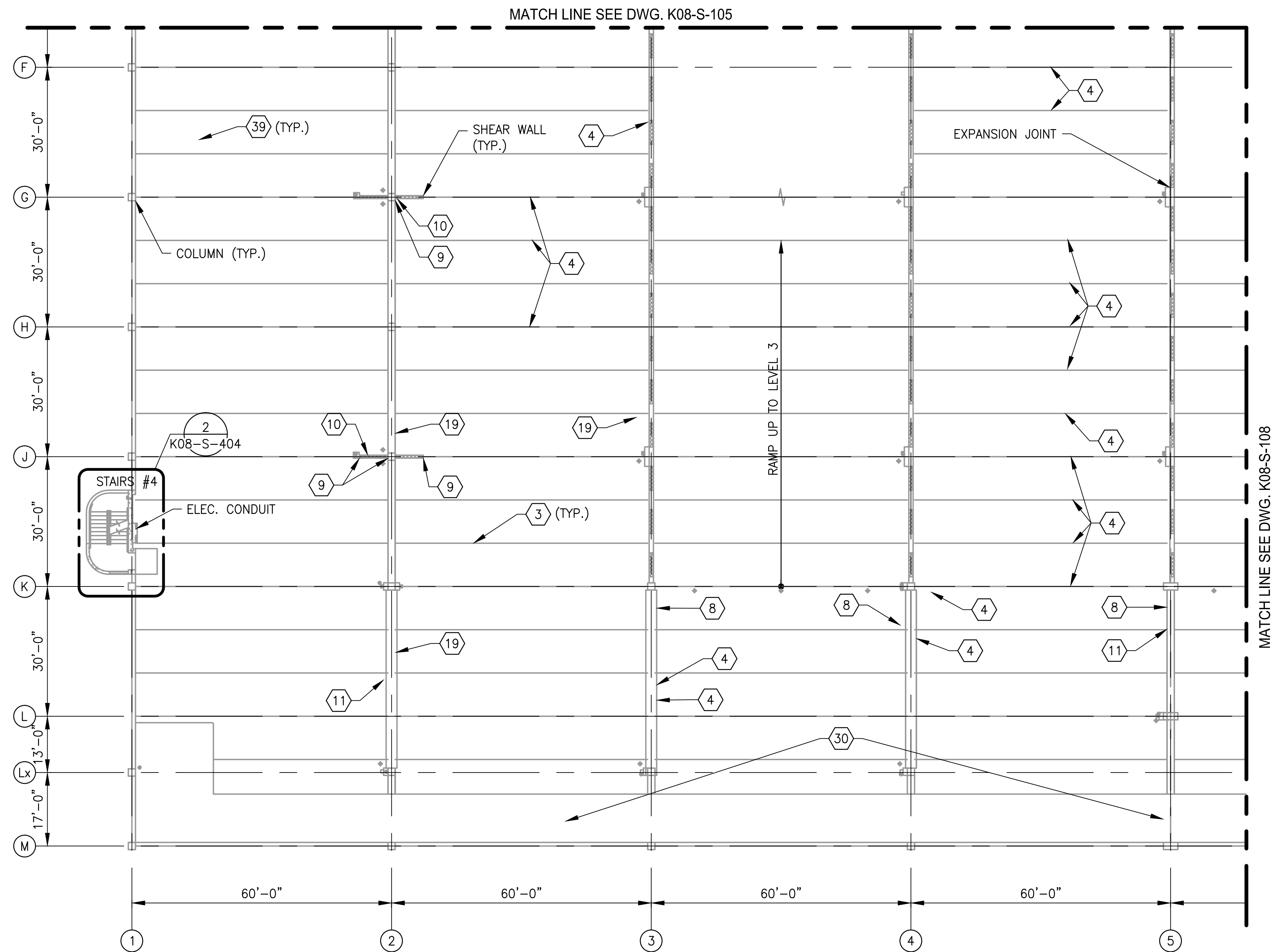
KEY PLAN



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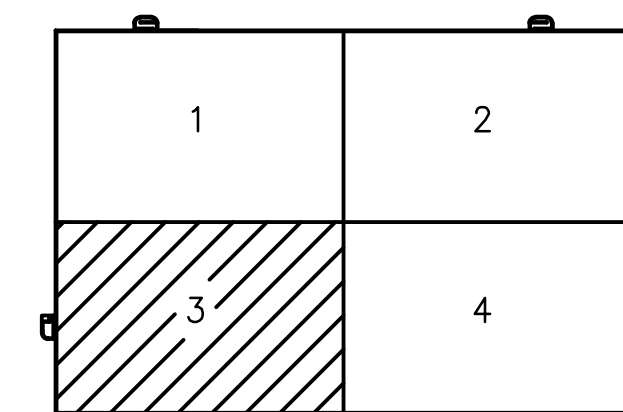
COMMONWEALTH OF VIRGINIA
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Lic. No. 0402043677
01-25-2018
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DESIGNED K. TSE 01/2018 DATE	REFERENCE DRAWINGS		REVISIONS			<div><div><div>M</div><div>metro</div></div><div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div><div>OFFICE OF THE CHIEF OPERATING OFFICER</div><div>IRPG - FIXED FACILITIES</div><div><div>APPROVED JOHN PURDY ENGINEERING MANAGER</div><div><div>01/25/2018 DATE</div></div><div><div>APPROVED DIPANKAR SENGUPTA ENGINEER OF RECORD</div><div><div>01/25/2018 DATE</div></div></div></div></div>	REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE LEVEL 2 PARTIAL FLOOR PLAN 2				
	NUMBER	TITLE	DATE	NUM	DESCRIPTION		M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.
			01/25/2018	0	FINAL SUBMITTAL		M1301	FQ18064	1/16"=1'-0"	K08-S-106	392 of 503

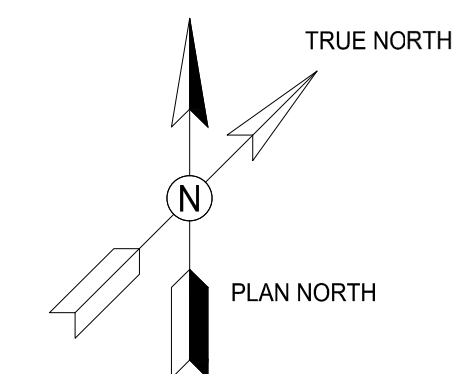


1 LEVEL 2 - PARTIAL FLOOR PLAN 3
K08-S-107

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





KEY PLAN

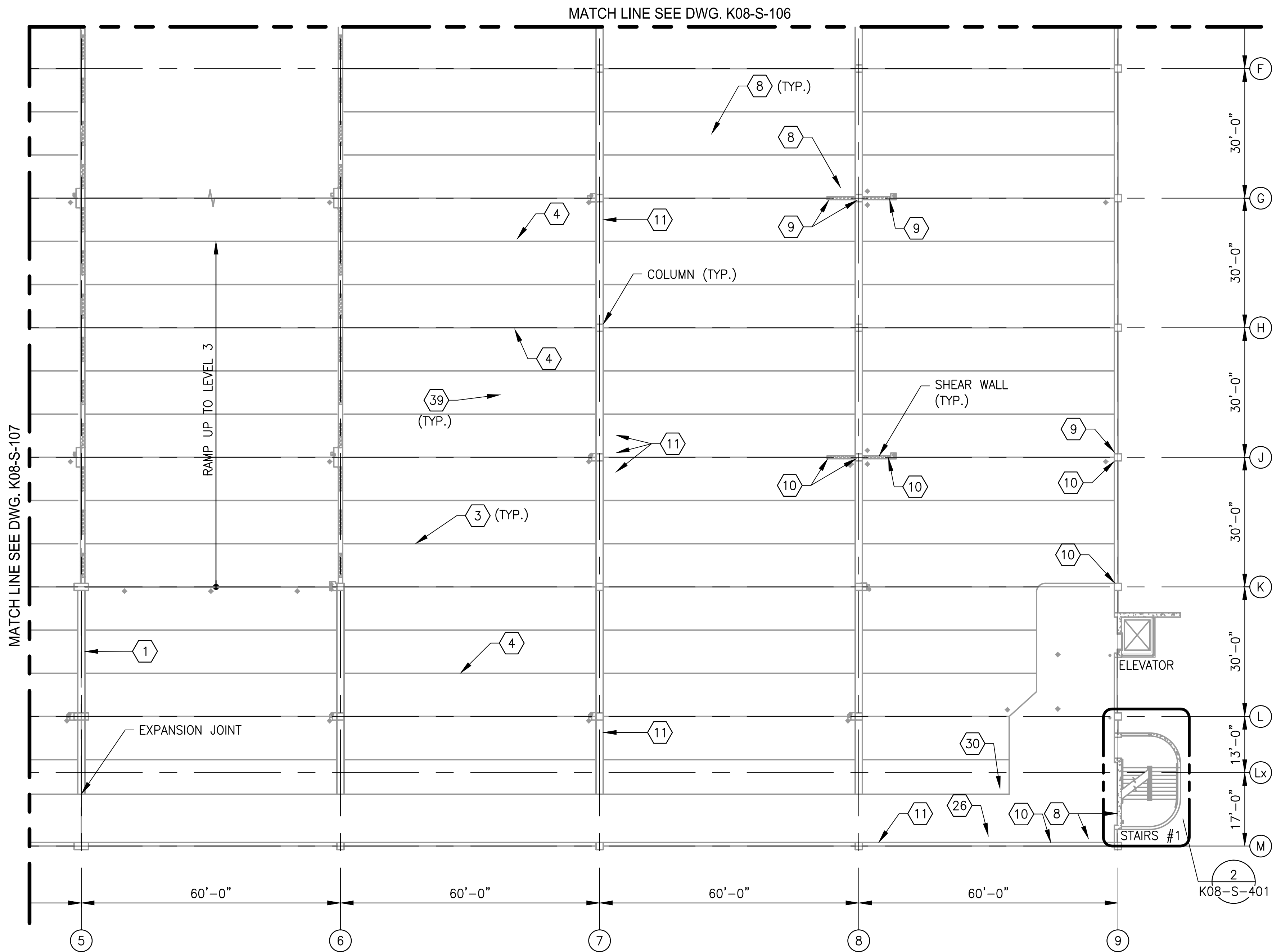


NOTES:

1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
2. SILANE COATING SHALL BE PROVIDED FOR ENTIRE PARKING AREA.
3. SEE DRAWING K08-S-105 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.

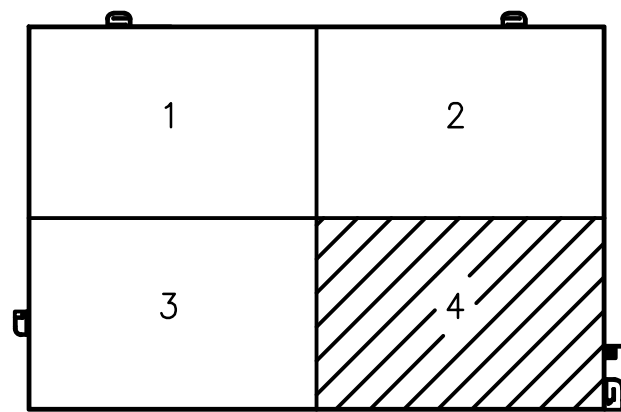
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	NUMBER	TITLE	DATE	NUM	DESCRIPTION		M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.
			01/25/2018	0	FINAL SUBMITTAL		M1301	FQ18064	1/16"=1'-0"	K08-S-107	393 of 503

MATCH LINE SEE DWG. K08-S-107

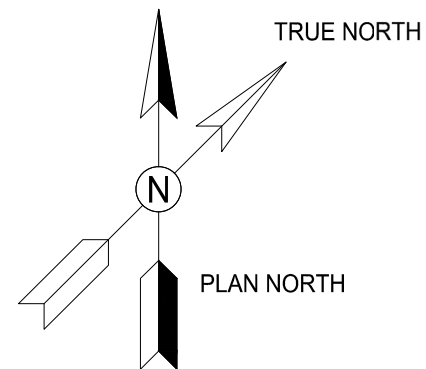


1 LEVEL 2 - PARTIAL FLOOR PLAN 4
K08-S-108

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



KEY PLAN



NOTES:

1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
2. SILANE COATING SHALL BE PROVIDED FOR ENTIRE PARKING AREA.
3. SEE DRAWING K08-S-105 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.



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JOHN PURDY
ENGINEERING MANAGER

01/25/2018
DATE

APPROVED
DIPANKAR SENGUPTA
ENGINEER OF RECORD

01/25/2018
DATE

REHABILITATION OF PARKING GARAGES
K08 - VIENNA STATION - NORTH PARKING GARAGE
LEVEL 2
PARTIAL FLOOR PLAN 4

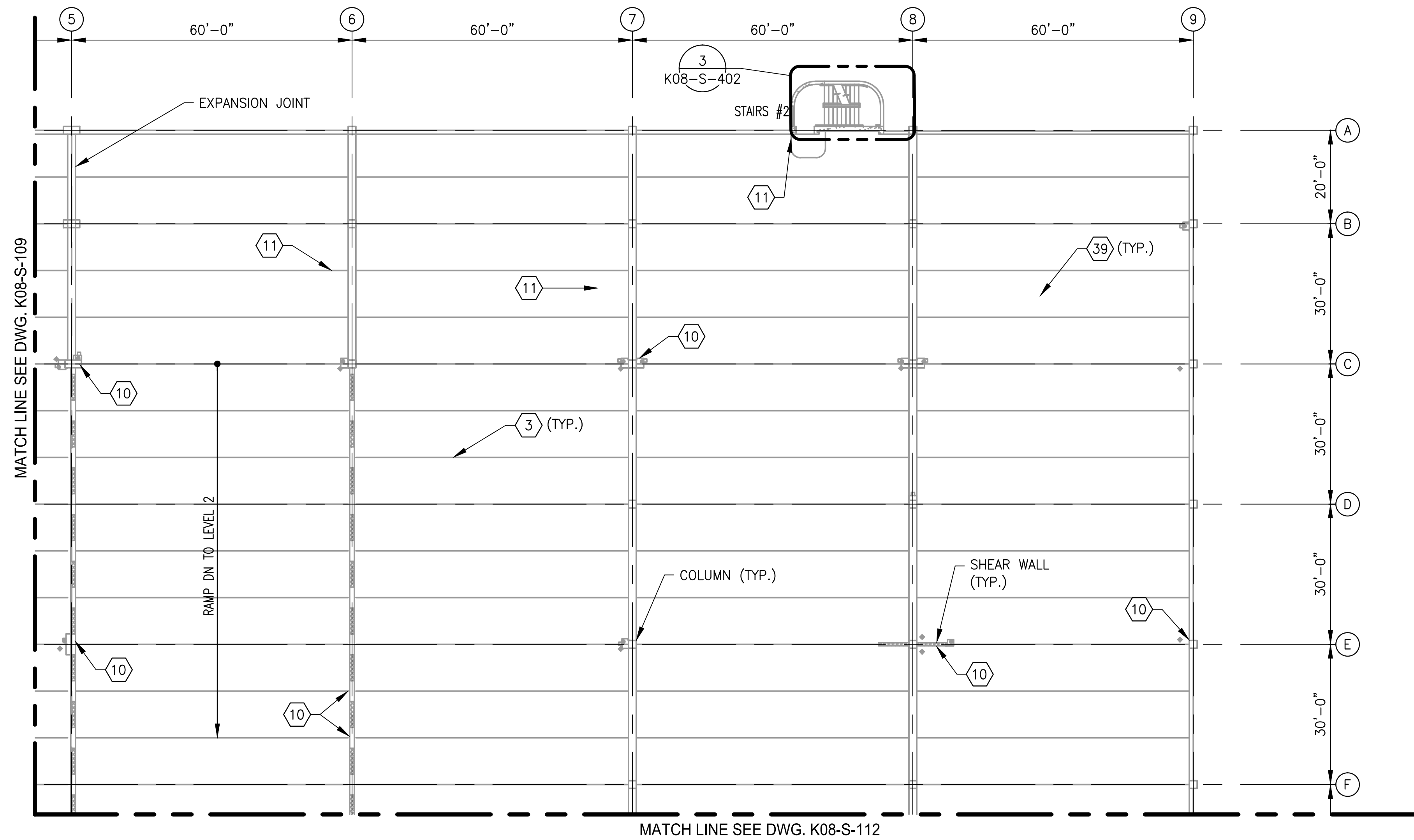
M NO.
M1301

CONTRACT NO.
FQ18064

SCALE
1/16"=1'-0"

DRAWING NO.
K08-S-108

SHEET NO.
394 of 503

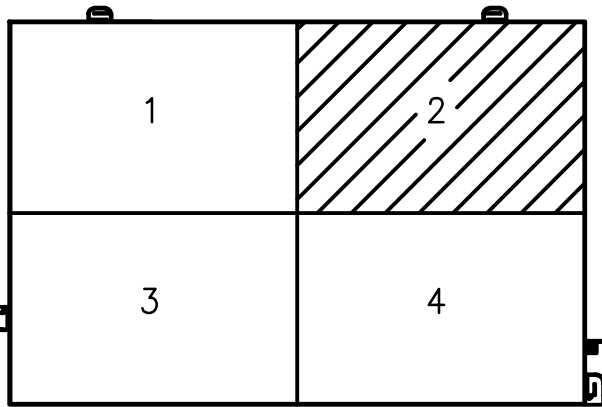


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K08-S-110

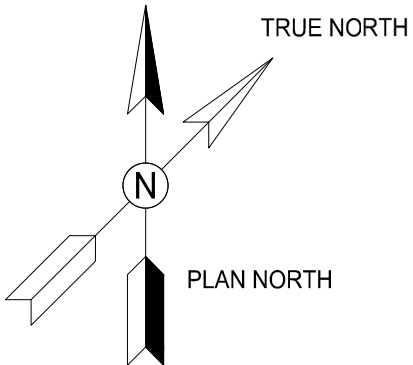
LEVEL 3 - PARTIAL FLOOR PLAN 2

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

- NOTES:
- 1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 - 2. SILANE COATING SHALL BE PROVIDED FOR ENTIRE PARKING AREA.
 - 3. SEE DRAWING K08-S-109 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.





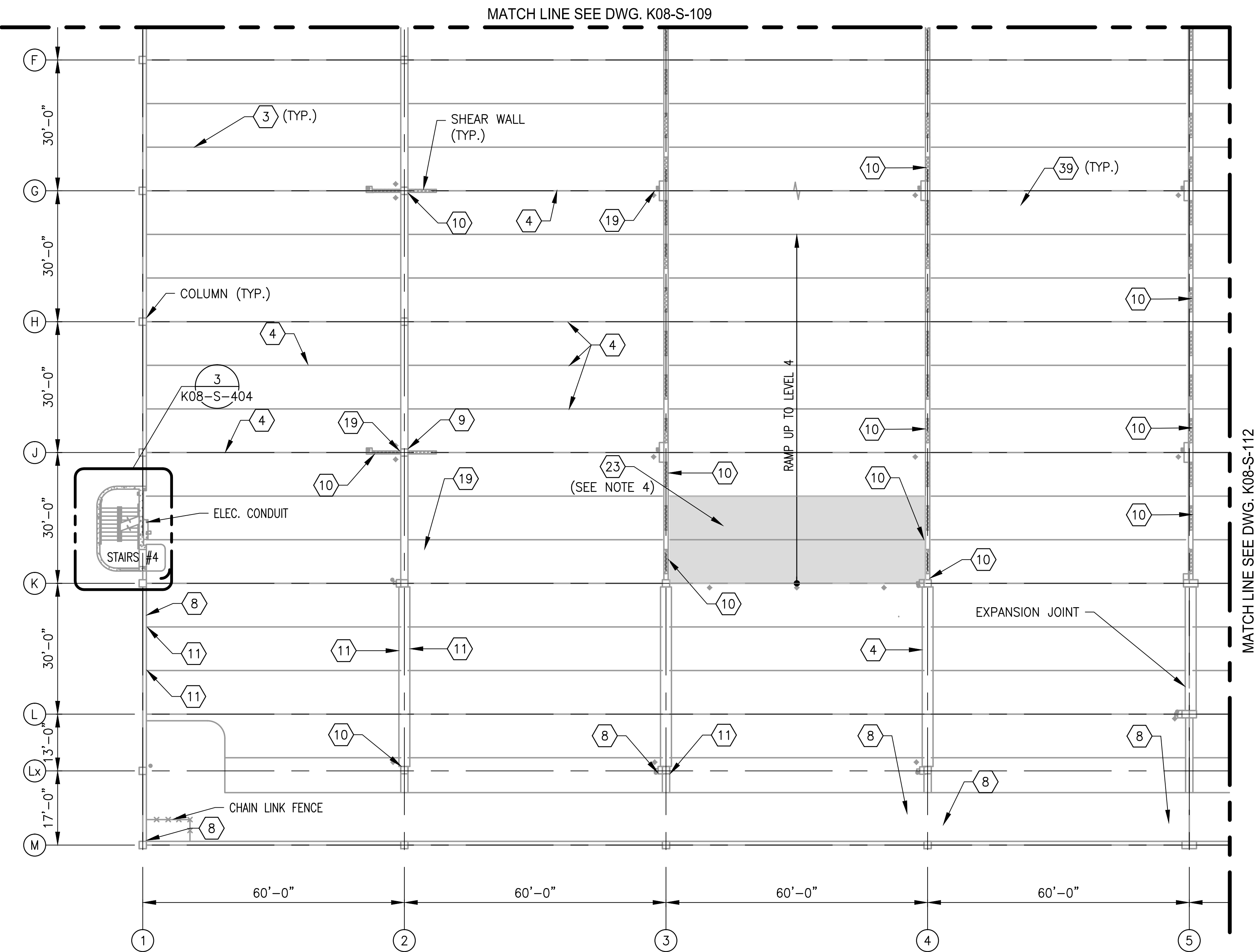
KEY PLAN



GFP A Gannett Fleming/Parsons
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01-25-2018
PROFESSIONAL ENGINEER

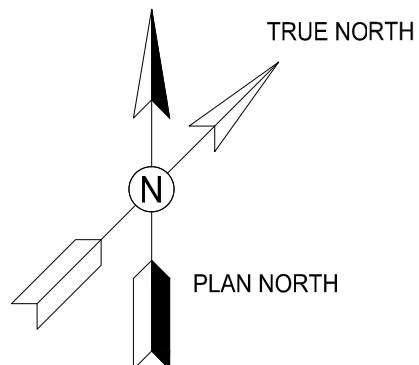
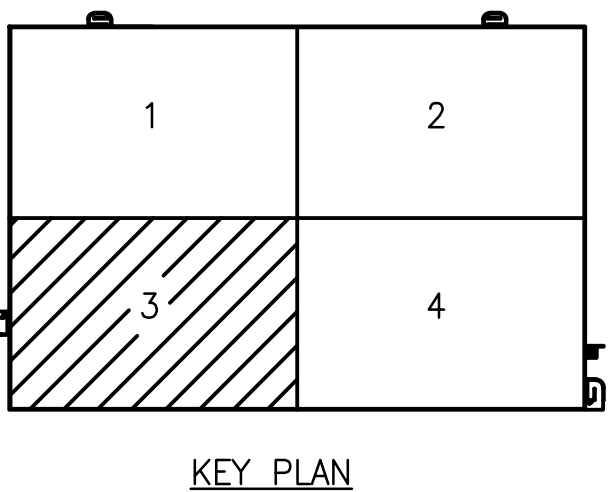
<div>DESIGNED <u>K. TSE</u> 01/2018 DATE</div> <div>DRAWN <u>A. PINKOWSKI</u> 01/2018 DATE</div> <div>CHECKED <u>D. SENGUPTA</u> 01/2018 DATE</div>			REFERENCE DRAWINGS		REVISIONS			<div><div><div>M</div><div>metro</div></div><div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div><div>OFFICE OF THE CHIEF OPERATING OFFICER</div><div>IRPG - FIXED FACILITIES</div><div><div>APPROVED  01/25/2018 JOHN PURDY ENGINEERING MANAGER DATE</div><div><div>APPROVED  01/25/2018 DIPANKAR SENGUPTA ENGINEER OF RECORD DATE</div></div></div></div>		REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE LEVEL 3 PARTIAL FLOOR PLAN 2				
			NUMBER	TITLE	DATE	NUM	DESCRIPTION			M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.
					01/25/2018	0	FINAL SUBMITTAL		M1301	FQ18064	1/16"=1'-0"	K08-S-110	396 of 503	



1 LEVEL 3 - PARTIAL FLOOR PLAN 3
K08-S-111

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

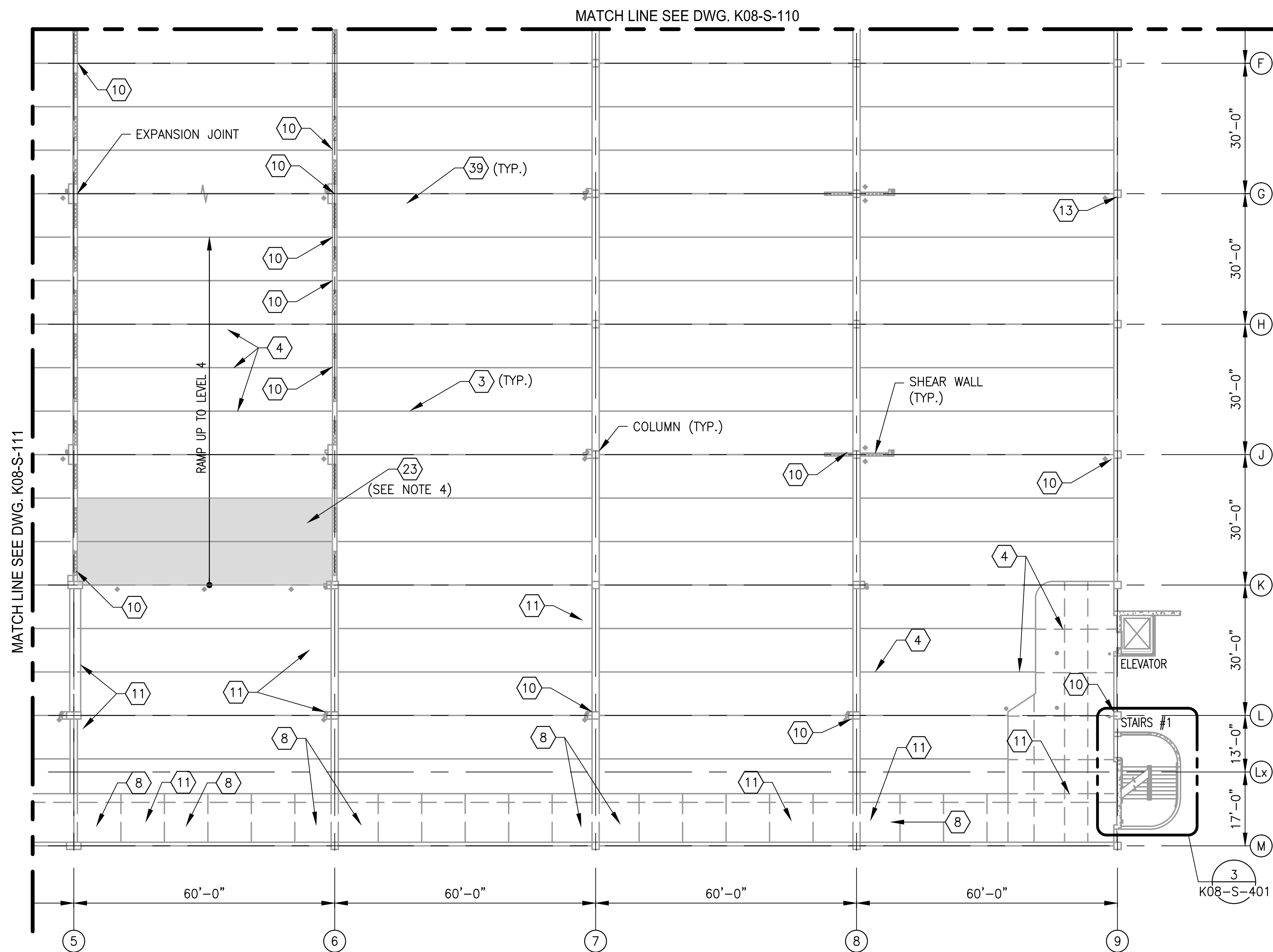
- NOTES:
- SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 - SILANE COATING SHALL BE PROVIDED FOR ENTIRE PARKING AREA.
 - SEE DRAWING K08-S-109 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.
 - TRAFFIC BEARING MEMBRANE SHALL BE PROVIDED FOR THE HATCHED AREA.



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Lic. No. 0402043677
01-25-2018
PROFESSIONAL ENGINEER

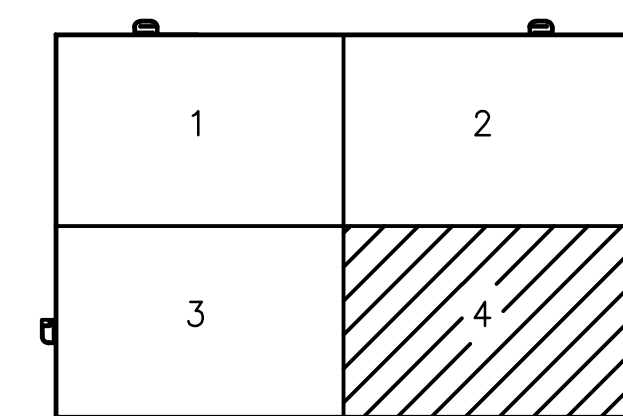
DESIGNED <u>K. TSE</u> 01/2018 DATE DRAWN <u>A. PINKOWSKI</u> 01/2018 DATE CHECKED <u>D. SENGUPTA</u> 01/2018 DATE	REFERENCE DRAWINGS		REVISIONS		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY OFFICE OF THE CHIEF OPERATING OFFICER IRPG - FIXED FACILITIES APPROVED <u>[Signature]</u> 01/25/2018 JOHN PURDY ENGINEERING MANAGER DATE APPROVED <u>[Signature]</u> 01/25/2018 DIPANKAR SENGUPTA ENGINEER OF RECORD DATE	REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE LEVEL 3 PARTIAL FLOOR PLAN 3			
	NUMBER	TITLE	DATE	NUM	DESCRIPTION				
			01/25/2018	0	FINAL SUBMITTAL				
M NO. M1301		CONTRACT NO. FQ18064		SCALE 1/16"=1'-0"		DRAWING NO. K08-S-111		SHEET NO. 397 of 503	



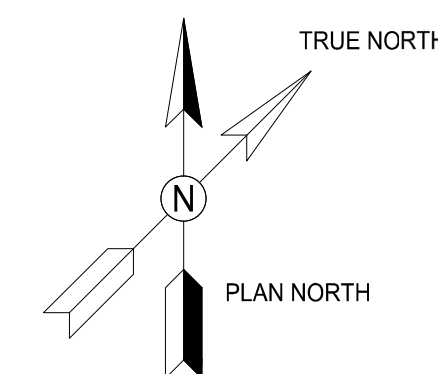
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K08-S-112

LEVEL 3 - PARTIAL FLOOR PLAN 4

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



KEY PLAN



- NOTES:
1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 2. SILANE COATING SHALL BE PROVIDED FOR ENTIRE PARKING AREA.
 3. SEE DRAWING K08-S-109 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.
 4. TRAFFIC BEARING MEMBRANE SHALL BE PROVIDED FOR THE HATCHED AREA.



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

OFFICE OF THE CHIEF OPERATING OFFICER
IRPG - FIXED FACILITIES

APPROVED
JOHN PURDY
ENGINEERING MANAGER

01/25/2018
DATE

APPROVED
DIPANKAR SENGUPTA
ENGINEER OF RECORD

01/25/2018
DATE

REHABILITATION OF PARKING GARAGES
K08 - VIENNA STATION - NORTH PARKING GARAGE
LEVEL 3
PARTIAL FLOOR PLAN 4

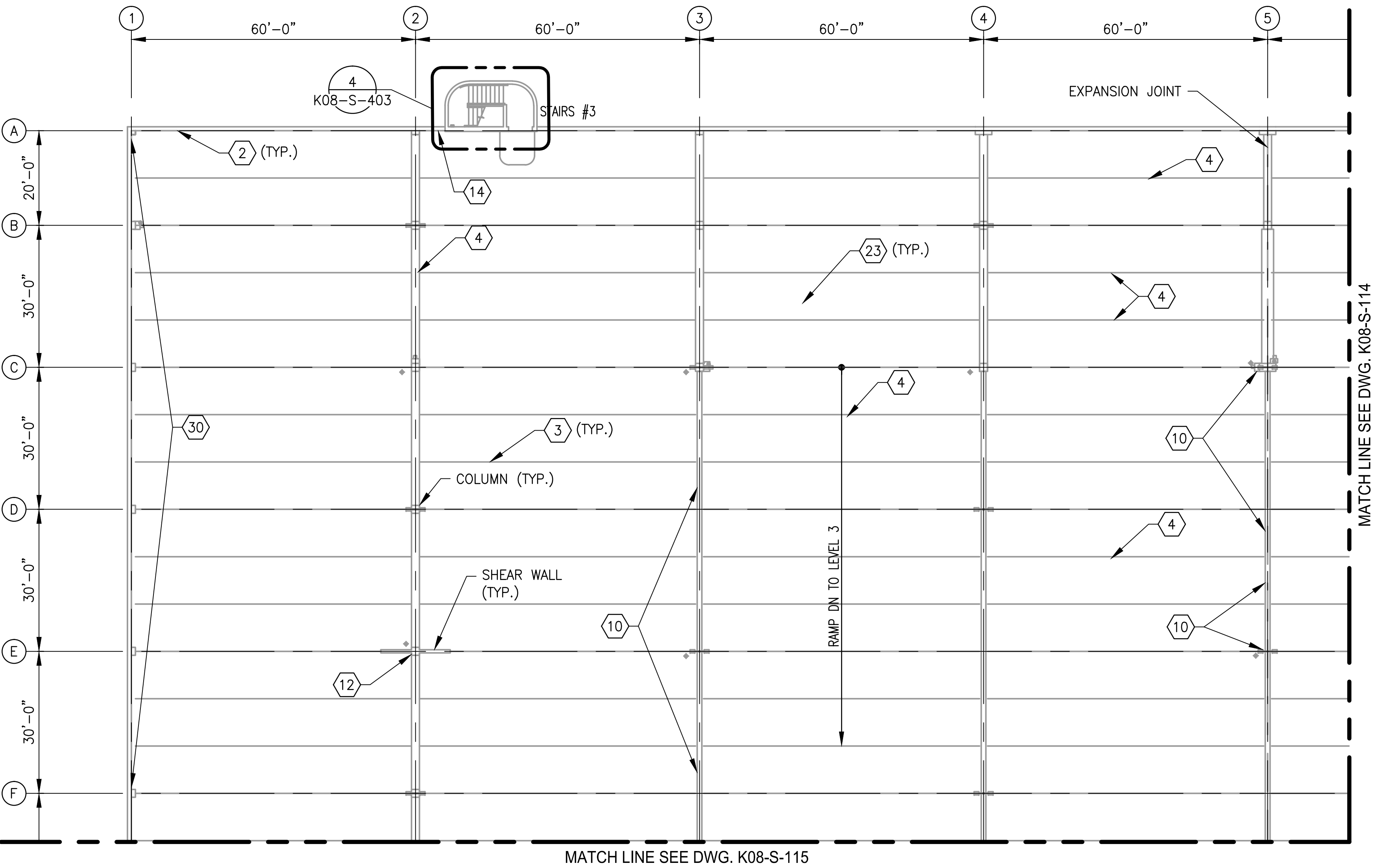
M NO.
M1301

CONTRACT NO.
FQ18064

SCALE
1/16"=1'-0"

DRAWING NO.
K08-S-112

SHEET NO.
398 of 503

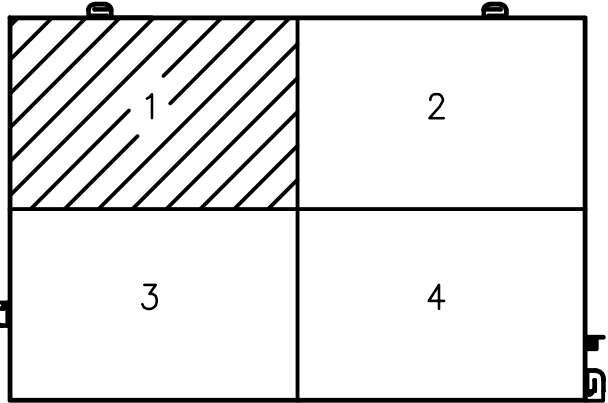


- NOTES:
- SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 - TRAFFIC BEARING MEMBRANE SHALL BE PROVIDED FOR ENTIRE PARKING AREA.

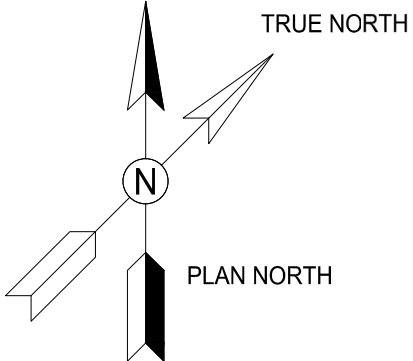
1 LEVEL 4 - PARTIAL FLOOR PLAN 1
K08-S-113 SCALE: 1/16"=1'-0"

STRUCTURAL REPAIR QUANTITIES (LEVEL 4)			
KEY NOTES	QUANTITY	UNIT OF QTY.	NUMBER OF LOCATIONS
1	13	LF	1
2 * *	6720	LF	40
3 *	14400	LF	240
4	372	SF	49
10	136	SF	43
11	179	SF	15
12	59	SF	6
14	2	EA	2
17	21	SF	3
20	96	SF	2
23	153600	SF	1
30	1500	SF	1

- * ALL EXISTING DOUBLE TEE BEAM JOINTS SHALL BE REPLACED WITH NEW JOINT.
* * ALL EXISTING TOOL JOINTS AT ROOF LEVEL SHALL BE REPLACED WITH NEW JOINT.



KEY PLAN

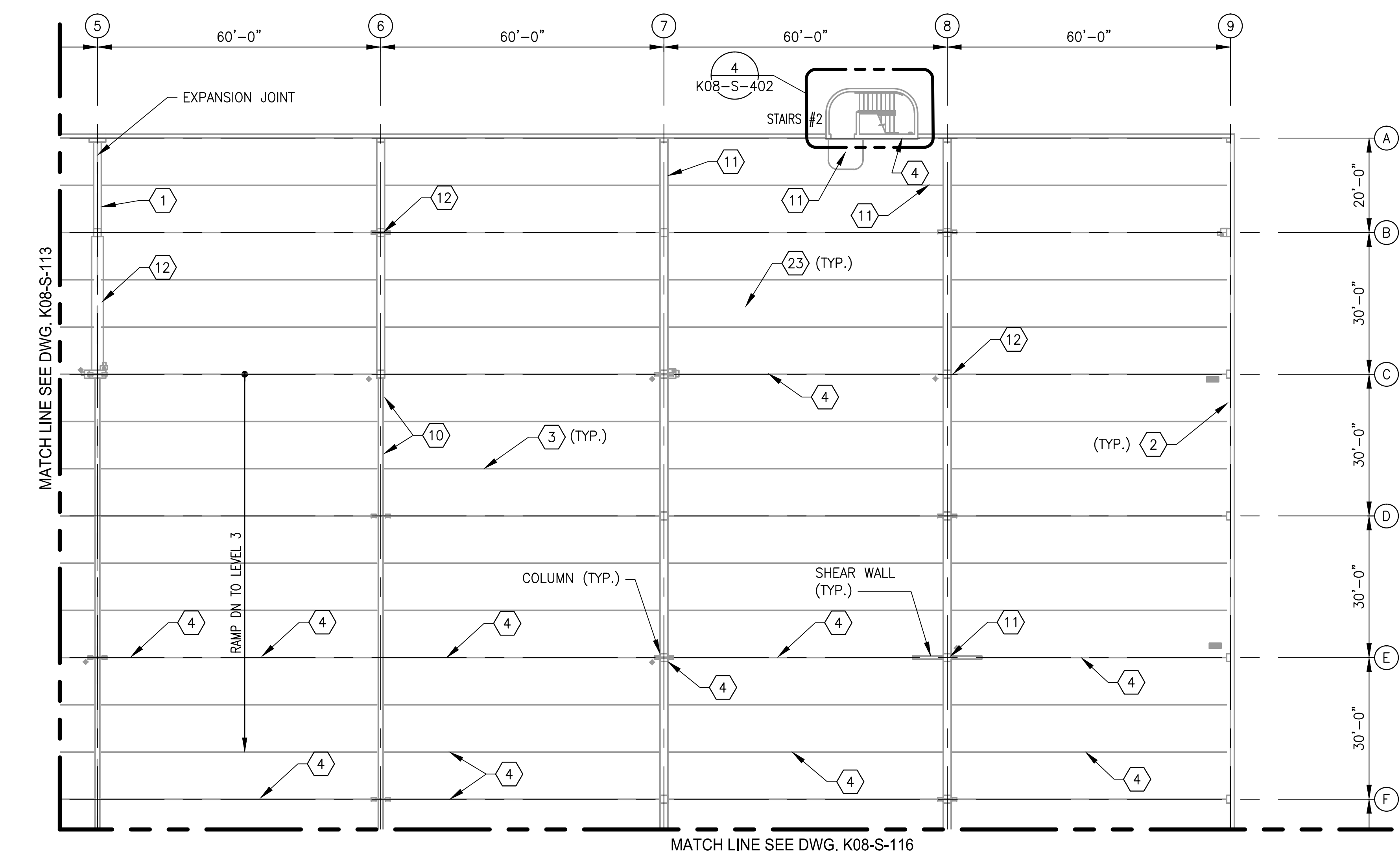


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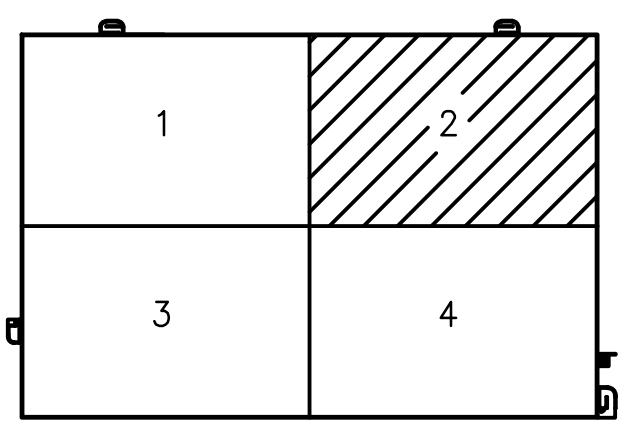
DIPANKAR SENGUPTA
Lic. No. 0402043677
01-25-2018
PROFESSIONAL ENGINEER

DESIGNED			REFERENCE DRAWINGS			REVISIONS			WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY			REHABILITATION OF PARKING GARAGES			
K. TSE			TITLE			DESCRIPTION			OFFICE OF THE CHIEF OPERATING OFFICER			K08 - VIENNA STATION - NORTH PARKING GARAGE			
A. PINKOWSKI									IRPG - FIXED FACILITIES			LEVEL 4			
D. SENGUPTA												PARTIAL FLOOR PLAN 1			
01/2018			DATE			DATE			APPROVED			M NO.			
01/2018			DATE			DATE			JOHN PURDY			CONTRACT NO.			
01/2018			DATE			DATE			ENGINEERING MANAGER			FQ18064			
01/2018			DATE			DATE			DIPANKAR SENGUPTA			SCALE			
01/2018			DATE			DATE			ENGINEER OF RECORD			1/16"=1'-0"			
												DRAWING NO.			
												K08-S-113			
												SHEET NO.			
												399 of 503			

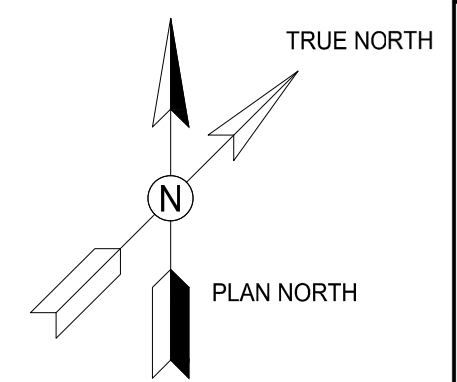
- NOTES:
- SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 - TRAFFIC BEARING MEMBRANE SHALL BE PROVIDED FOR ENTIRE PARKING AREA.
 - SEE DRAWING K08-S-113 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.



1 LEVEL 4 - PARTIAL FLOOR PLAN 2
K08-S-114 SCALE: 1/16"=1'-0"



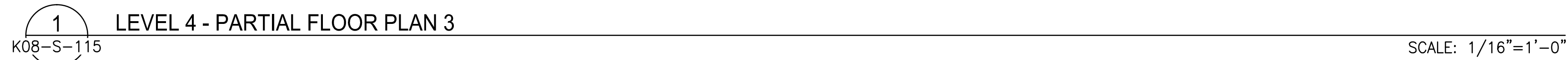
KEY PLAN



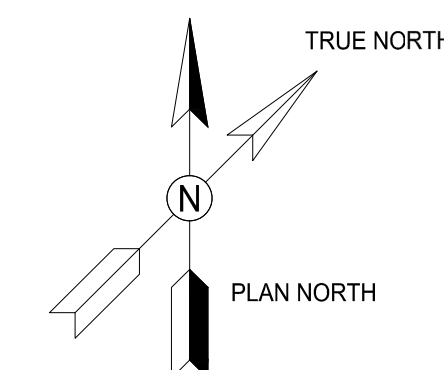
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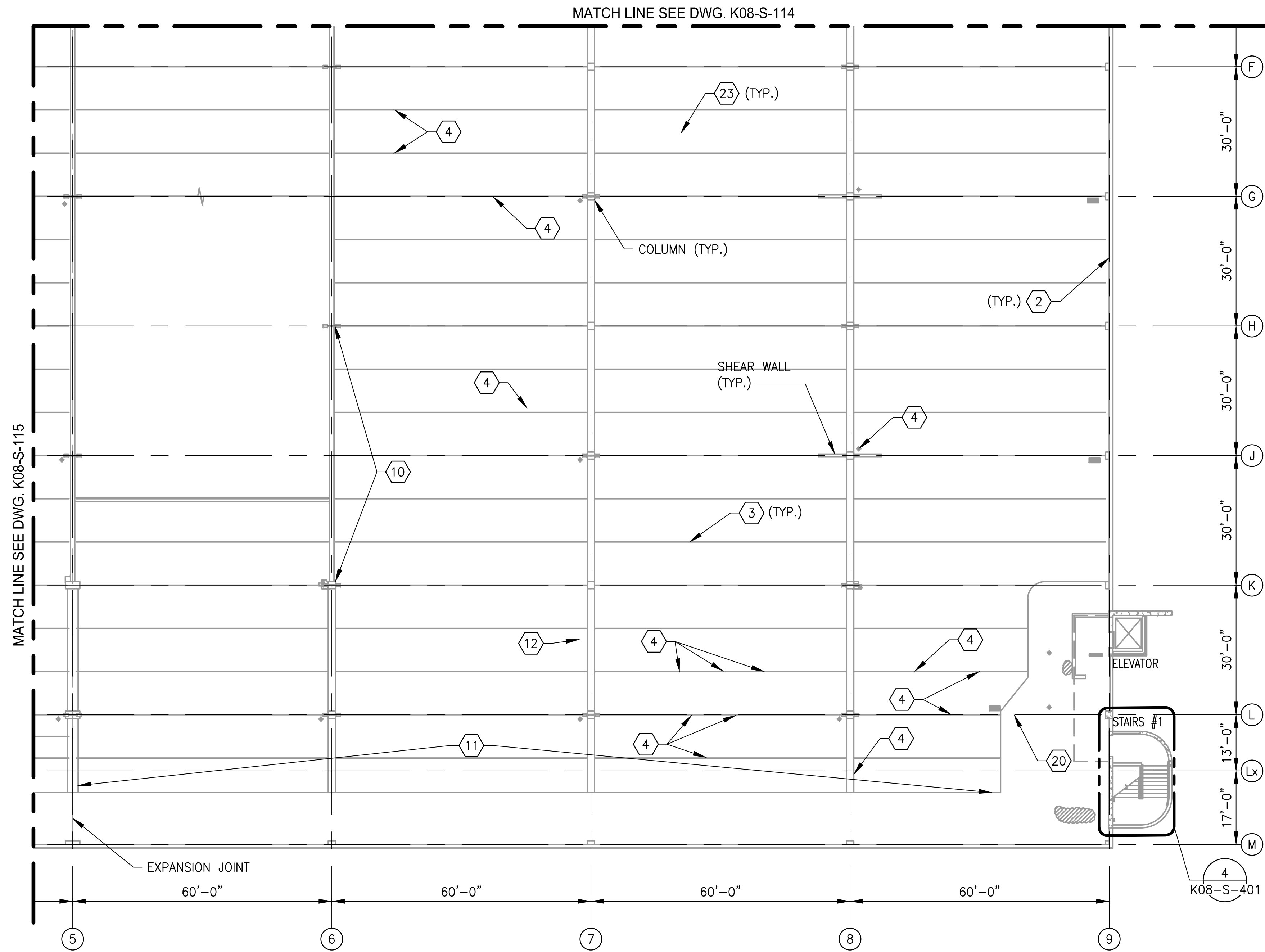
DESIGNED K. TSE 01/2018 DATE		REFERENCE DRAWINGS		REVISIONS		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE LEVEL 4 PARTIAL FLOOR PLAN 2			
DRAWN A. PINKOWSKI 01/2018 DATE		NUMBER	TITLE	DATE	NUM	DESCRIPTION				
CHECKED D. SENGUPTA 01/2018 DATE				01/25/2018	0	FINAL SUBMITTAL	 APPROVED JOHN PURDY 01/25/2018 ENGINEERING MANAGER DATE		M NO.	CONTRACT NO.
									M1301	FQ18064
							 APPROVED DIPANKAR SENGUPTA 01/25/2018 ENGINEER OF RECORD DATE		SCALE	DRAWING NO.
									1/16"=1'-0"	K08-S-114
									SHEET NO.	400 of 503



-
- KEY PLAN

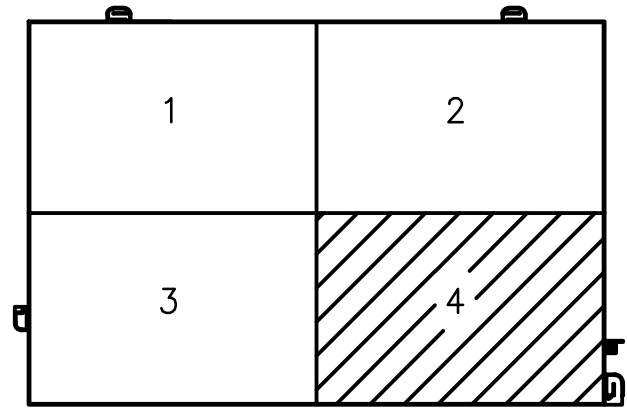


<div>DESIGNED <u>K. TSE</u> 01/2018 DATE</div> <div>DRAWN <u>A. PINKOWSKI</u> 01/2018 DATE</div> <div>CHECKED <u>D. SENGUPTA</u> 01/2018 DATE</div>	REFERENCE DRAWINGS		REVISIONS			<div><div>M</div><div>metro</div></div> <div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div> <div>OFFICE OF THE CHIEF OPERATING OFFICER</div> <div>IRPG - FIXED FACILITIES</div> <div><div>APPROVED  01/25/2018</div><div>DATE</div><div>JOHN PURDY</div><div>ENGINEERING MANAGER</div></div> <div><div>APPROVED  01/25/2018</div><div>DATE</div><div>DIPANKAR SENGUPTA</div><div>ENGINEER OF RECORD</div></div>	REHABILITATION OF PARKING GARAGES				
	NUMBER	TITLE	DATE	NUM	DESCRIPTION		K08 - VIENNA STATION - NORTH PARKING GARAGE				
			01/25/2018	0	FINAL SUBMITTAL		LEVEL 4				
							PARTIAL FLOOR PLAN 3				
						M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.	
						M1301	FQ18064	1/16"=1'-0"	K08-S-115	401 of 503	

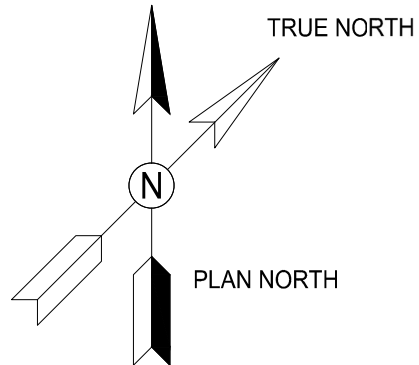


1 LEVEL 4 - PARTIAL FLOOR PLAN 4
K08-S-116

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



KEY PLAN



- NOTES:
- SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 - TRAFFIC BEARING MEMBRANE SHALL BE PROVIDED FOR ENTIRE PARKING AREA.
 - SEE DRAWING K08-S-113 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

OFFICE OF THE CHIEF OPERATING OFFICER
IRPG - FIXED FACILITIES

APPROVED
JOHN PURDY
ENGINEERING MANAGER

01/25/2018
DATE

APPROVED
DIPANKAR SENGUPTA
ENGINEER OF RECORD

01/25/2018
DATE

REHABILITATION OF PARKING GARAGES
K08 - VIENNA STATION - NORTH PARKING GARAGE
LEVEL 4
PARTIAL FLOOR PLAN 4

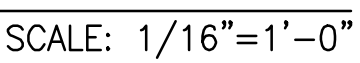
M NO.
M1301

CONTRACT NO.
FQ18064

SCALE
1/16"=1'-0"

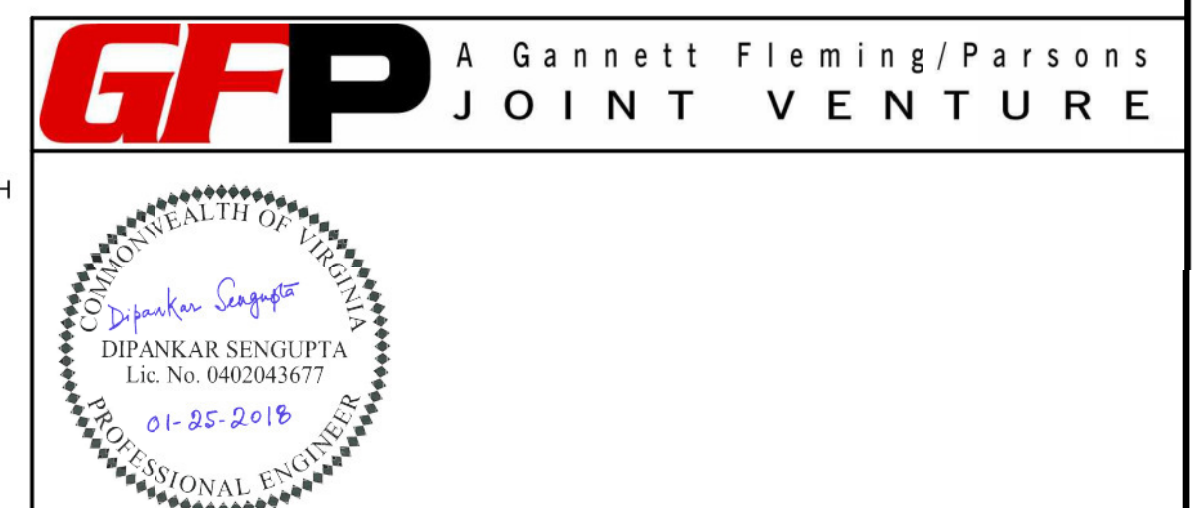
DRAWING NO.
K08-S-116

SHEET NO.
402 of 503

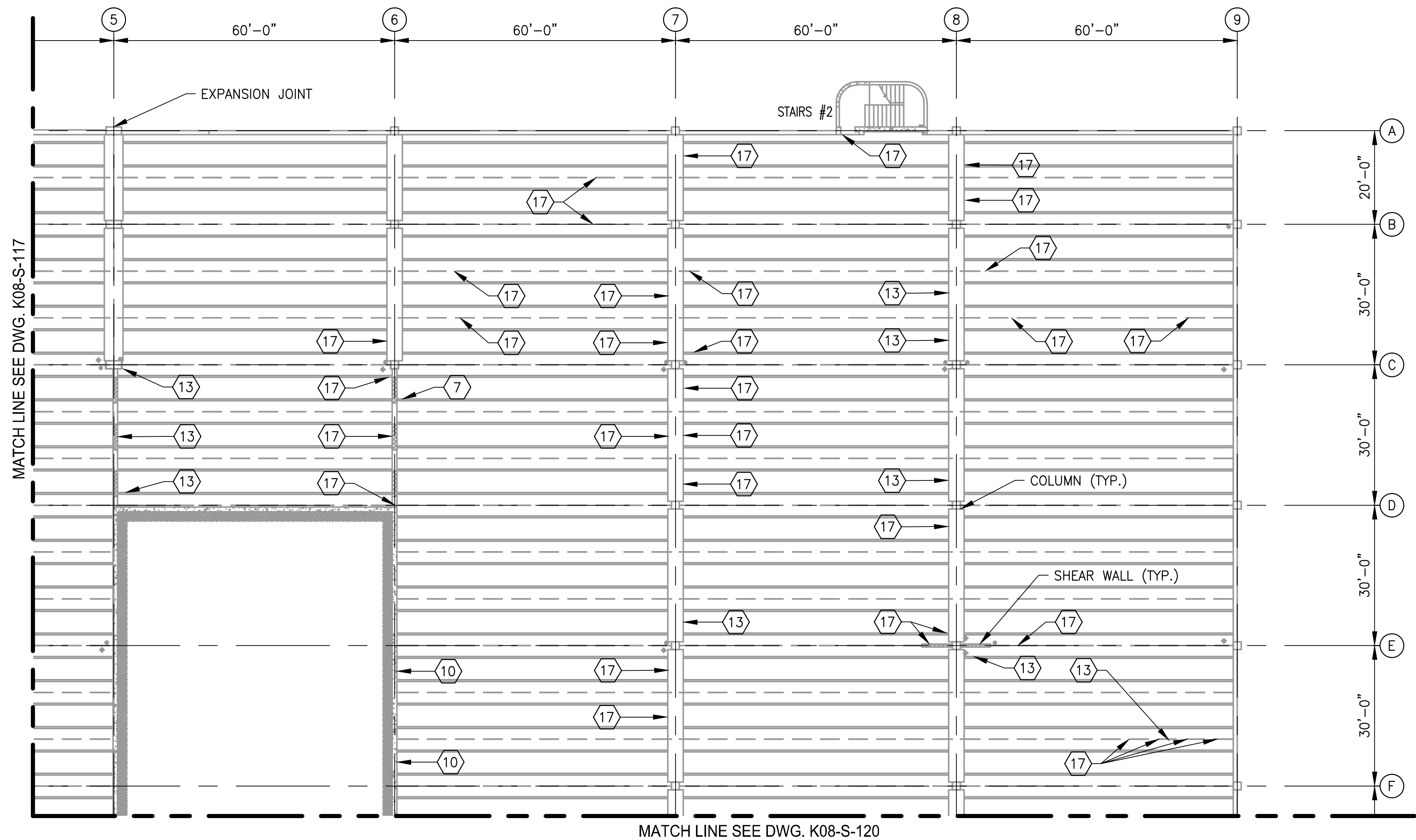


1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.

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



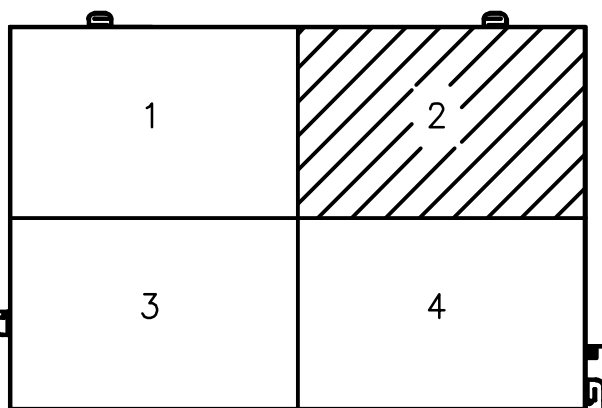
<div>DESIGNED <u>K. TSE</u> 01/2018 DATE</div> <div>DRAWN <u>A. PINKOWSKI</u> 01/2018 DATE</div> <div>CHECKED <u>D. SENGUPTA</u> 01/2018 DATE</div>	REFERENCE DRAWINGS		REVISIONS				<div><div>M metro</div><div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div><div>OFFICE OF THE CHIEF OPERATING OFFICER</div><div>IRPG - FIXED FACILITIES</div><div><div>APPROVED <u>[Signature]</u> 01/25/2018 JOHN PURDY ENGINEERING MANAGER</div><div>DATE</div><div>APPROVED <u>[Signature]</u> 01/25/2018 DIPANKAR SENGUPTA ENGINEER OF RECORD</div><div>DATE</div></div></div>	REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE LEVEL 2 PARTIAL FRAMING PLAN 1					
	NUMBER	TITLE	DATE	NUM	DESCRIPTION			M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.	
			01/25/2018	0	FINAL SUBMITTAL			M1301	FQ18064	1/16"=1'-0"	K08-S-117	403 of 503	



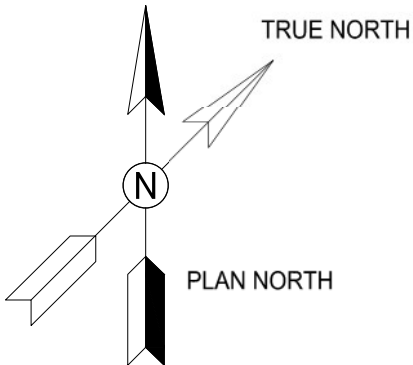
1 LEVEL 2 - PARTIAL FRAMING PLAN 2
K08-S-118

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

- NOTES:
- 1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 - 2. SEE DRAWING K08-S-117 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.



KEY PLAN

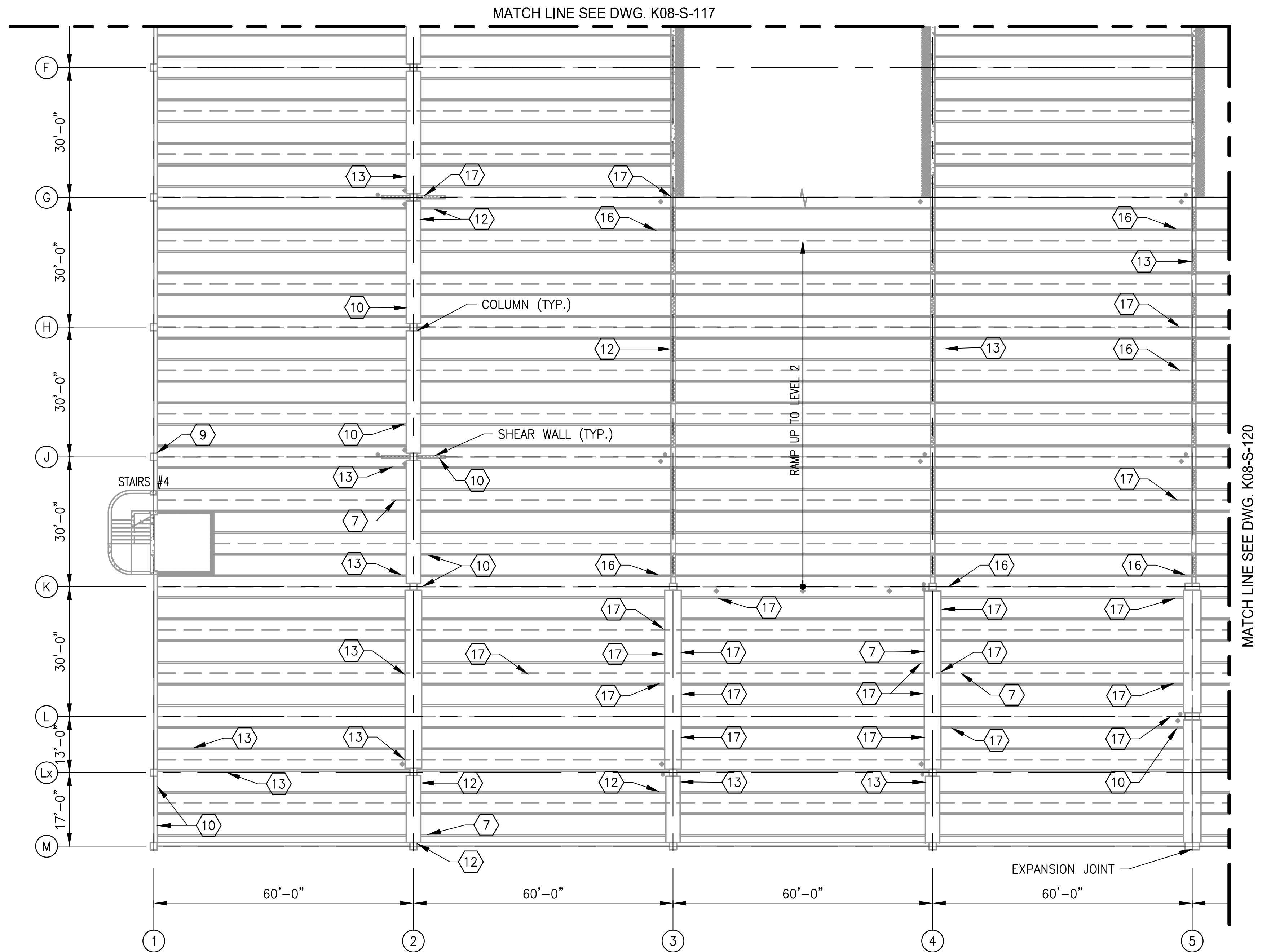


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01-25-2018
PROFESSIONAL ENGINEER

<div>DESIGNED <u>K. TSE</u> 01/2018 DATE</div> <div>DRAWN <u>A. PINKOWSKI</u> 01/2018 DATE</div> <div>CHECKED <u>D. SENGUPTA</u> 01/2018 DATE</div>	REFERENCE DRAWINGS		REVISIONS		<div> WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div> <div>OFFICE OF THE CHIEF OPERATING OFFICER IRPG - FIXED FACILITIES</div> <div>APPROVED <u>[Signature]</u> 01/25/2018 JOHN PURDY ENGINEERING MANAGER DATE</div> <div>APPROVED <u>[Signature]</u> 01/25/2018 DIPANKAR SENGUPTA ENGINEER OF RECORD DATE</div>	REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE LEVEL 2 PARTIAL FRAMING PLAN 2				
	NUMBER	TITLE	DATE	NUM	DESCRIPTION					
			01/25/2018	0	FINAL SUBMITTAL					
M NO.		CONTRACT NO.		SCALE		DRAWING NO.		SHEET NO.		
M1301		FQ18064		1/16"=1'-0"		K08-S-118		404 of 503		

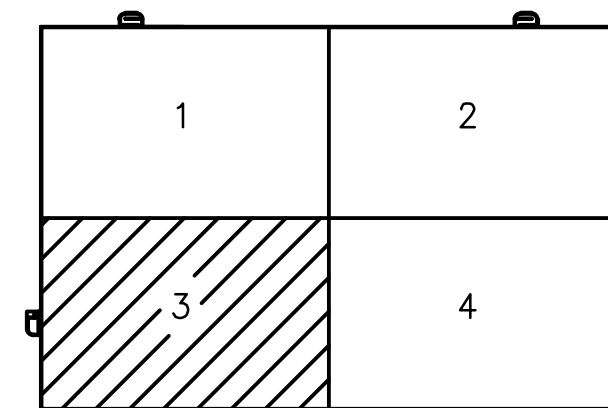
- NOTES:
- SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 - SEE DRAWING K08-S-117 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.



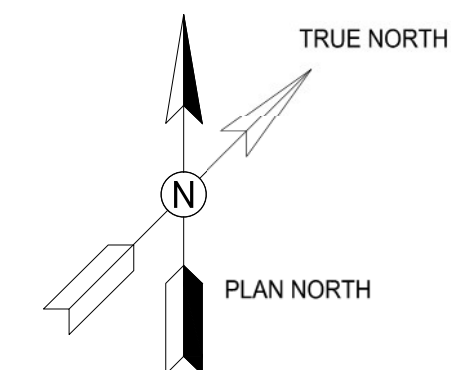
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K08-S-119

LEVEL 2 - PARTIAL FRAMING PLAN 3

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



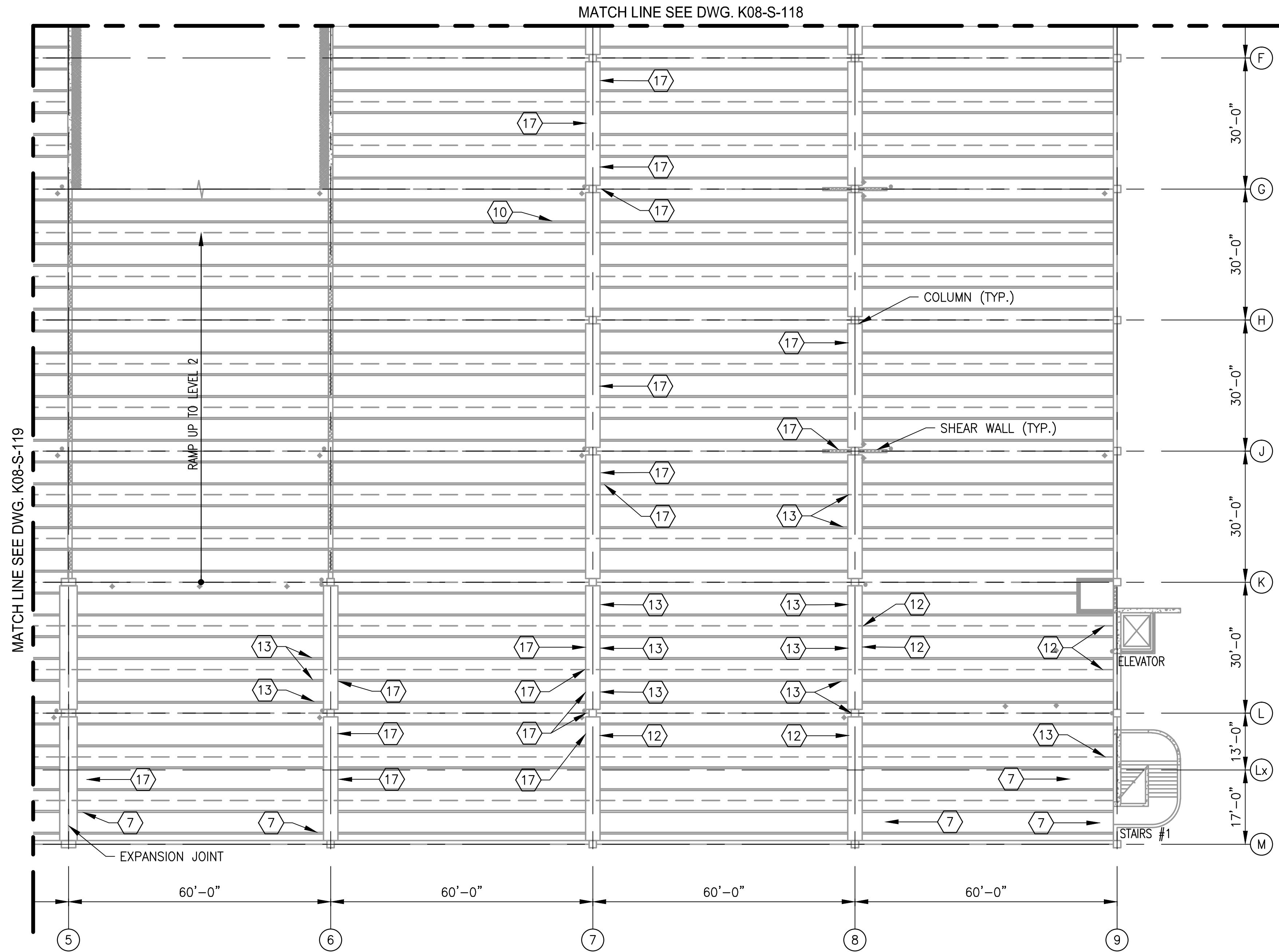
KEY PLAN



GFP A Gannett Fleming/Parsons
JOINT VENTURE

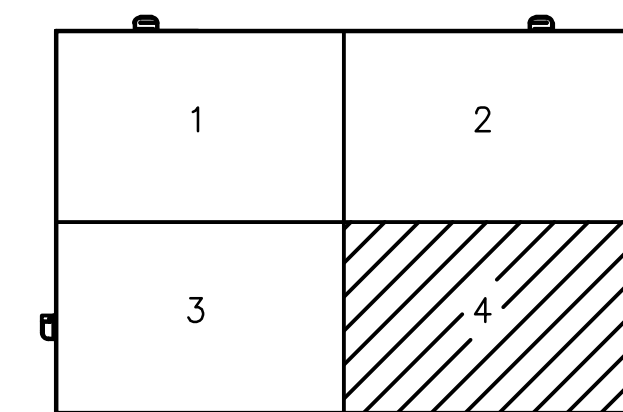
COMMONWEALTH OF VIRGINIA
DIPANKAR SENGUPTA
Lic. No. 0402043677
01-25-2018
PROFESSIONAL ENGINEER

DESIGNED K. TSE 01/2018 DATE	REFERENCE DRAWINGS		REVISIONS		 WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY OFFICE OF THE CHIEF OPERATING OFFICER IRPG - FIXED FACILITIES	REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE LEVEL 2 PARTIAL FRAMING PLAN 3			
	NUMBER	TITLE	DATE	NUM		M NO.	CONTRACT NO.	SCALE	DRAWING NO.
			01/25/2018	0		M1301	FQ18064	1/16"=1'-0"	K08-S-119
DRAWN A. PINKOWSKI 01/2018 DATE					APPROVED JOHN PURDY ENGINEERING MANAGER 01/25/2018 DATE	SHEET NO. 405 of 503			
CHECKED D. SENGUPTA 01/2018 DATE									
					APPROVED DIPANKAR SENGUPTA ENGINEER OF RECORD 01/25/2018 DATE				

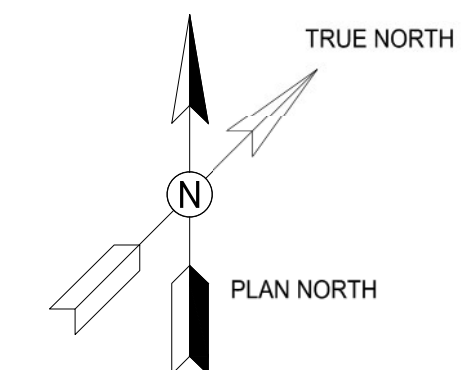


1 LEVEL 2 - PARTIAL FRAMING PLAN 4
K08-S-120

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



KEY PLAN



- NOTES:
1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 2. SEE DRAWING K08-S-117 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

OFFICE OF THE CHIEF OPERATING OFFICER
IRPG - FIXED FACILITIES

APPROVED
JOHN PURDY
ENGINEERING MANAGER

01/25/2018
DATE

APPROVED
DIPANKAR SENGUPTA
ENGINEER OF RECORD

01/25/2018
DATE

REHABILITATION OF PARKING GARAGES
K08 - VIENNA STATION - NORTH PARKING GARAGE
LEVEL 2
PARTIAL FRAMING PLAN 4

M NO.
M1301

CONTRACT NO.
FQ18064

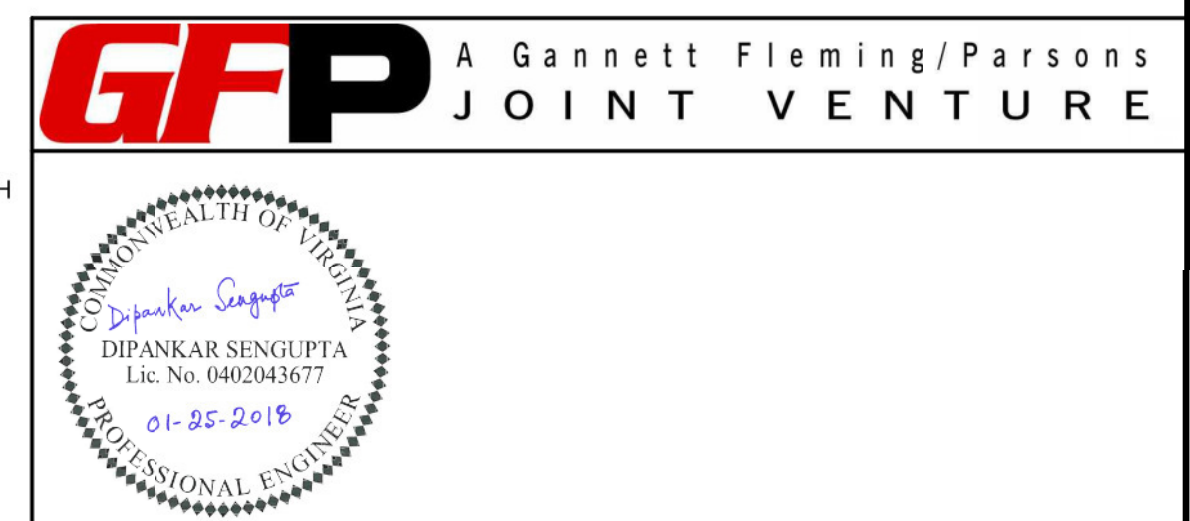
SCALE
1/16"=1'-0"

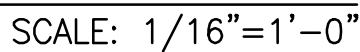
DRAWING NO.
K08-S-120

SHEET NO.
406 of 503

DESIGNED K. TSE 01/2018
DATE
DRAWN A. PINKOWSKI 01/2018
DATE
CHECKED D. SENGUPTA 01/2018
DATE

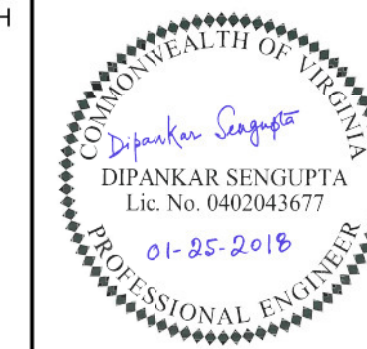
REFERENCE DRAWINGS		REVISIONS		
NUMBER	TITLE	DATE	NUM	DESCRIPTION
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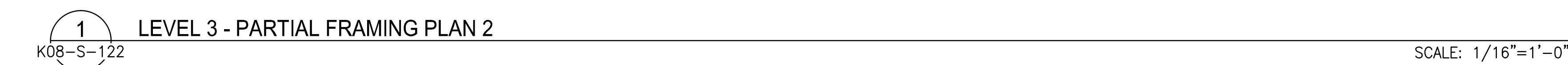




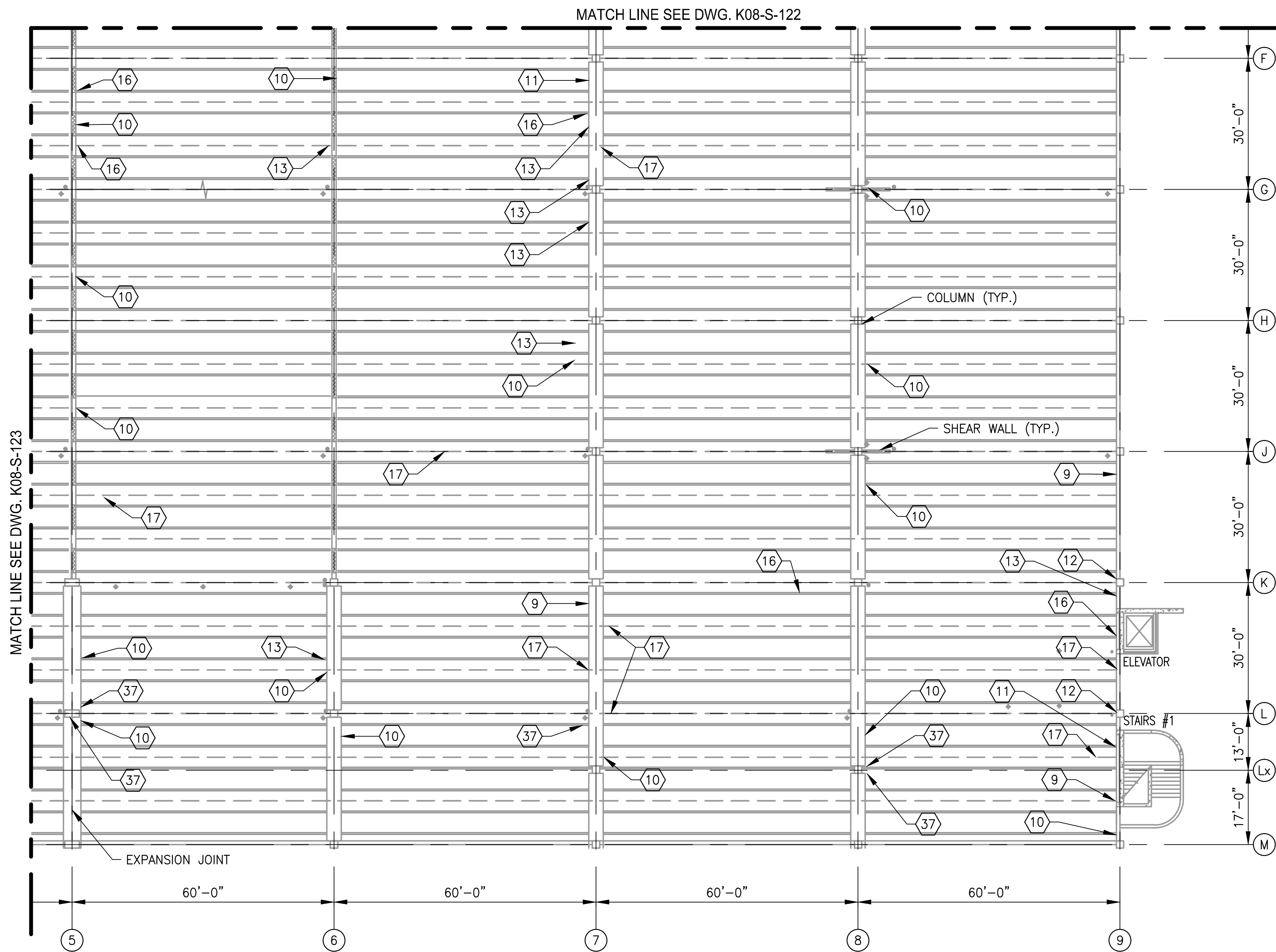
1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.

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

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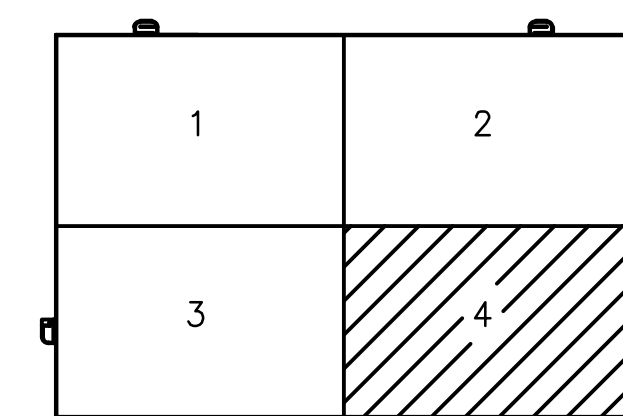


DESIGNED <u>K. TSE</u> 01/2018 DATE DRAWN <u>A. PINKOWSKI</u> 01/2018 DATE CHECKED <u>D. SENGUPTA</u> 01/2018 DATE	REFERENCE DRAWINGS		REVISIONS			 WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY OFFICE OF THE CHIEF OPERATING OFFICER IRPG - FIXED FACILITIES		REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE LEVEL 3 PARTIAL FRAMING PLAN 2				
	NUMBER	TITLE	DATE	NUM	DESCRIPTION			M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.
			01/25/2018	0	FINAL SUBMITTAL	APPROVED  01/25/2018 DATE JOHN PURDY ENGINEERING MANAGER	APPROVED  01/25/2018 DATE DIPANKAR SENGUPTA ENGINEER OF RECORD	M1301	FQ18064	1/16"=1'-0"	K08-S-122	408 of 503

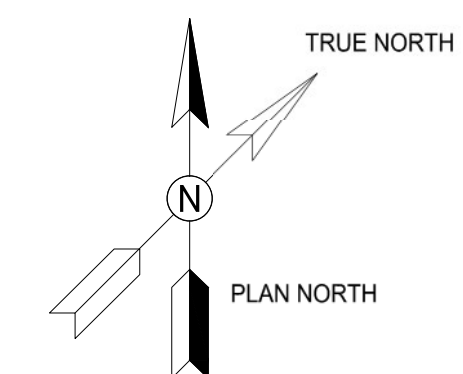


1 LEVEL 3 - PARTIAL FRAMING PLAN 4
K08-S-124

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



KEY PLAN



- NOTES:
- SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 - SEE DRAWING K08-S-121 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

OFFICE OF THE CHIEF OPERATING OFFICER
IRPG - FIXED FACILITIES

APPROVED
JOHN PURDY
ENGINEERING MANAGER

01/25/2018
DATE

APPROVED
DIPANKAR SENGUPTA
ENGINEER OF RECORD

01/25/2018
DATE

REHABILITATION OF PARKING GARAGES
K08 - VIENNA STATION - NORTH PARKING GARAGE
LEVEL 3
PARTIAL FRAMING PLAN 4

M NO.
M1301

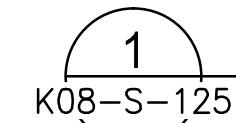
CONTRACT NO.
FQ18064

SCALE
1/16"=1'-0"

DRAWING NO.
K08-S-124

SHEET NO.
410 of 503

1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.



MATCH LINE SEE DWG. K08-S-127

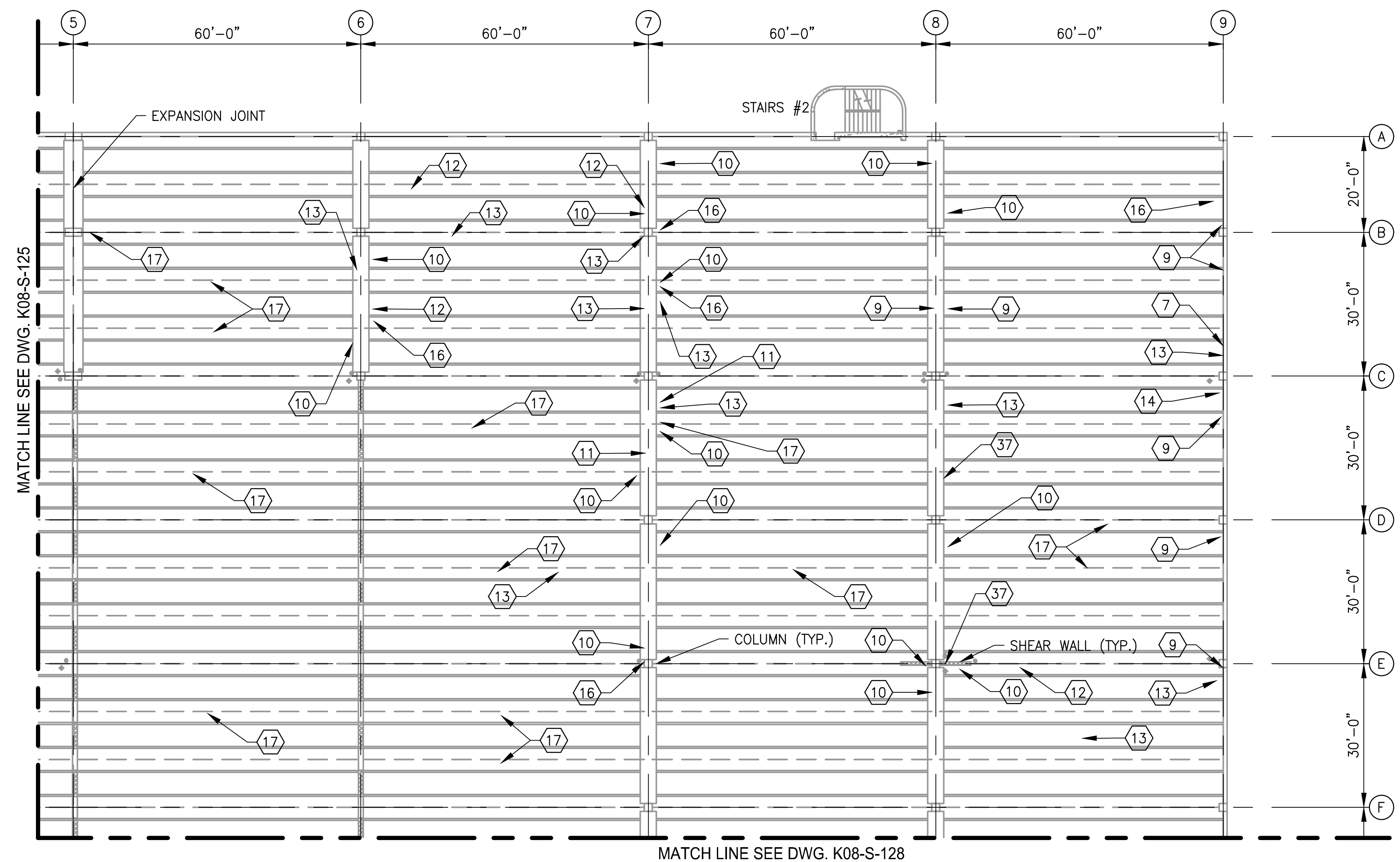


APPROVED
JOHN PURDY
ENGINEERING MANAGER

SHEET NO.

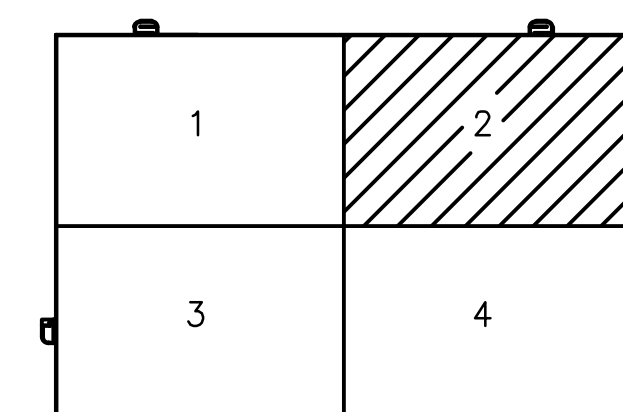
411 of 503

REHABILITATION OF PARKING GARAGES
K08 - VIENNA STATION - NORTH PARKING GARAGE
LEVEL 4
PARTIAL FRAMING PLAN 1

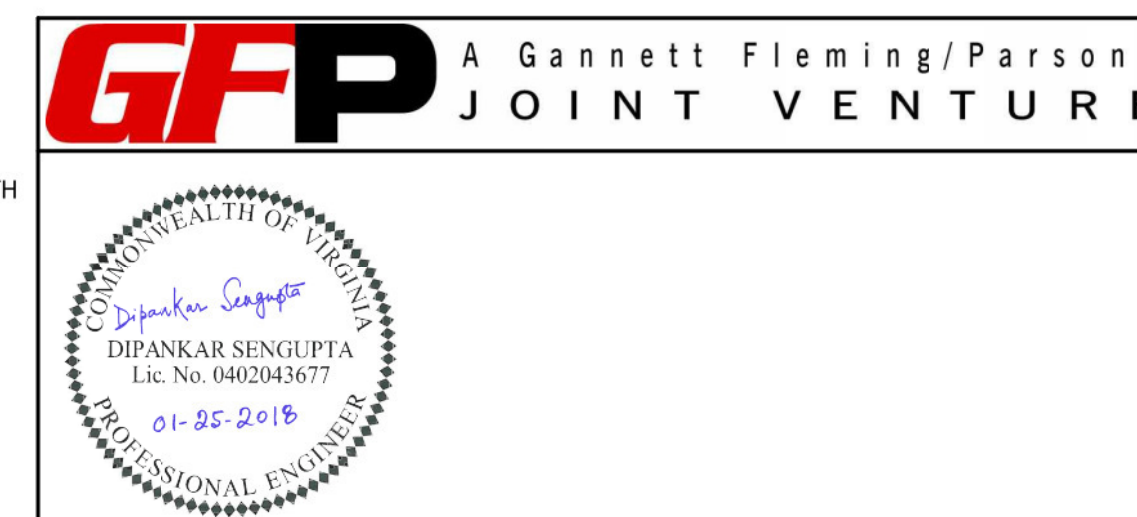
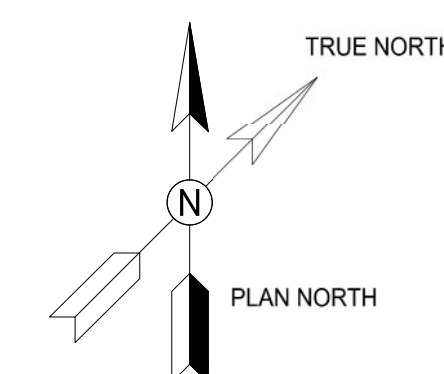


1 LEVEL 4 - PARTIAL FRAMING PLAN 2
K08-S-126 SCALE: 1/16"=1'-0"

- NOTES:
1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 2. SEE DRAWING K08-S-125 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.



KEY PLAN



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

OFFICE OF THE CHIEF OPERATING OFFICER
IRPG - FIXED FACILITIES

APPROVED
JOHN PURDY
ENGINEERING MANAGER

01/25/2018
DATE

APPROVED
DIPANKAR SENGUPTA
ENGINEER OF RECORD

01/25/2018
DATE

REHABILITATION OF PARKING GARAGES
K08 - VIENNA STATION - NORTH PARKING GARAGE
LEVEL 4
PARTIAL FRAMING PLAN 2

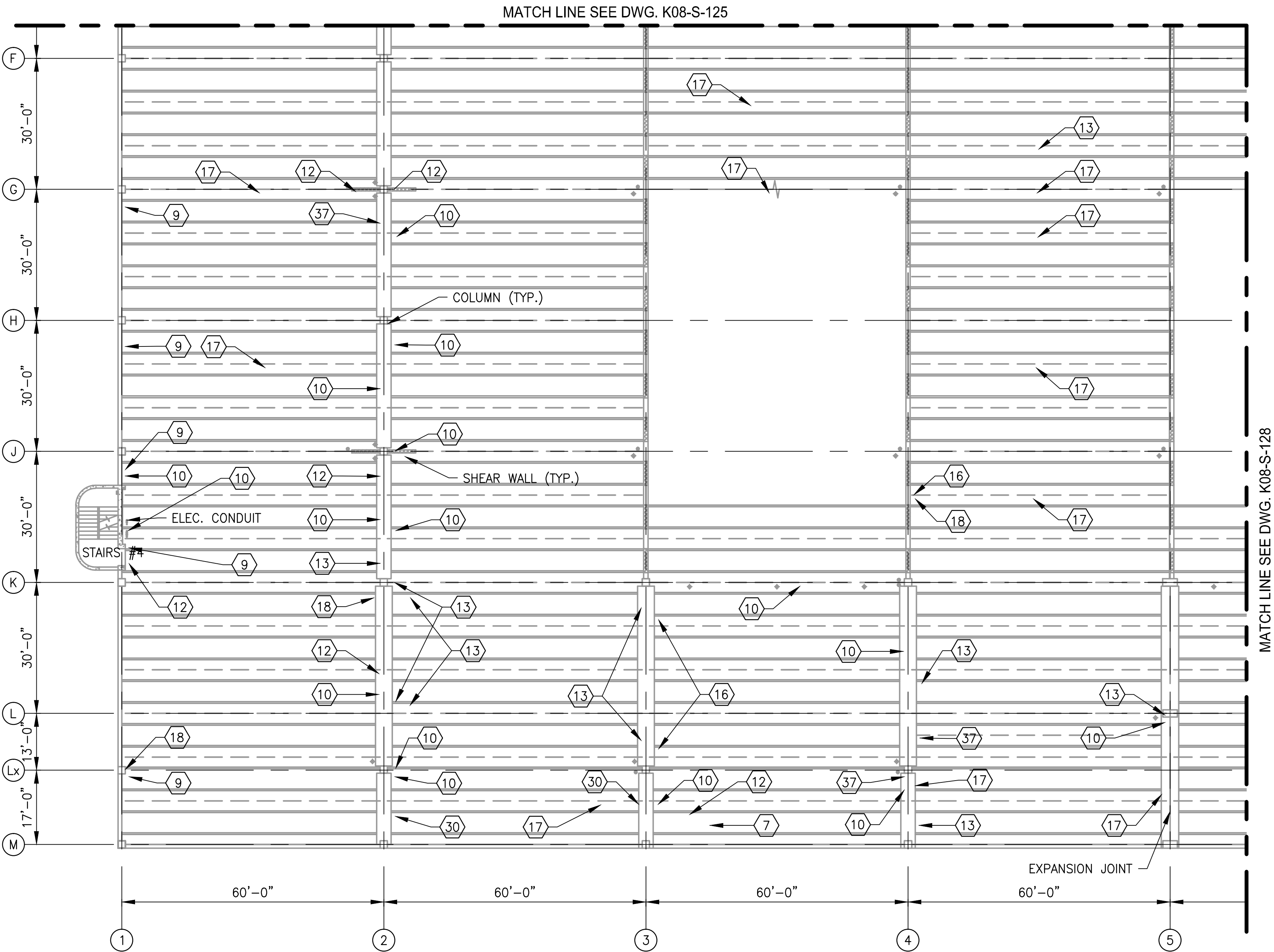
M NO.
M1301

CONTRACT NO.
FQ18064

SCALE
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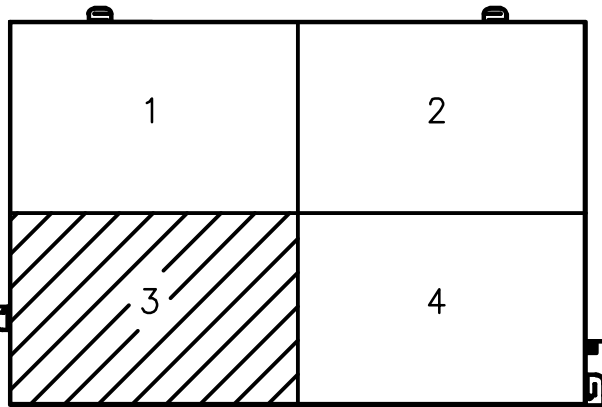
DRAWING NO.
K08-S-126

SHEET NO.
412 of 503

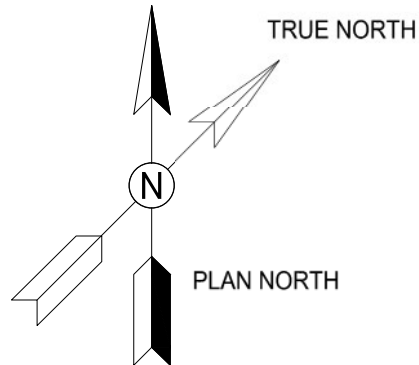


1 LEVEL 4 - PARTIAL FRAMING PLAN 3
K08-S-127

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



KEY PLAN



- NOTES:
- SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.
 - SEE DRAWING K08-S-125 FOR REPAIR QUANTITY TABLE ON THIS LEVEL.

GFP A Gannett Fleming/Parsons
JOINT VENTURE



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

OFFICE OF THE CHIEF OPERATING OFFICER
IRPG - FIXED FACILITIES

APPROVED
JOHN PURDY
ENGINEERING MANAGER

01/25/2018
DATE

APPROVED
DIPANKAR SENGUPTA
ENGINEER OF RECORD

01/25/2018
DATE

REHABILITATION OF PARKING GARAGES
K08 - VIENNA STATION - NORTH PARKING GARAGE
LEVEL 4
PARTIAL FRAMING PLAN 3

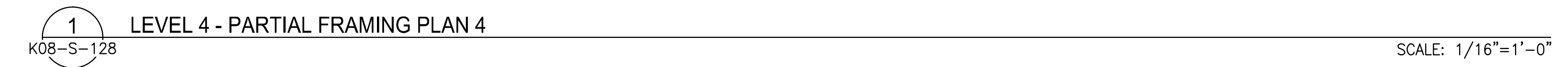
M NO.
M1301

CONTRACT NO.
FQ18064

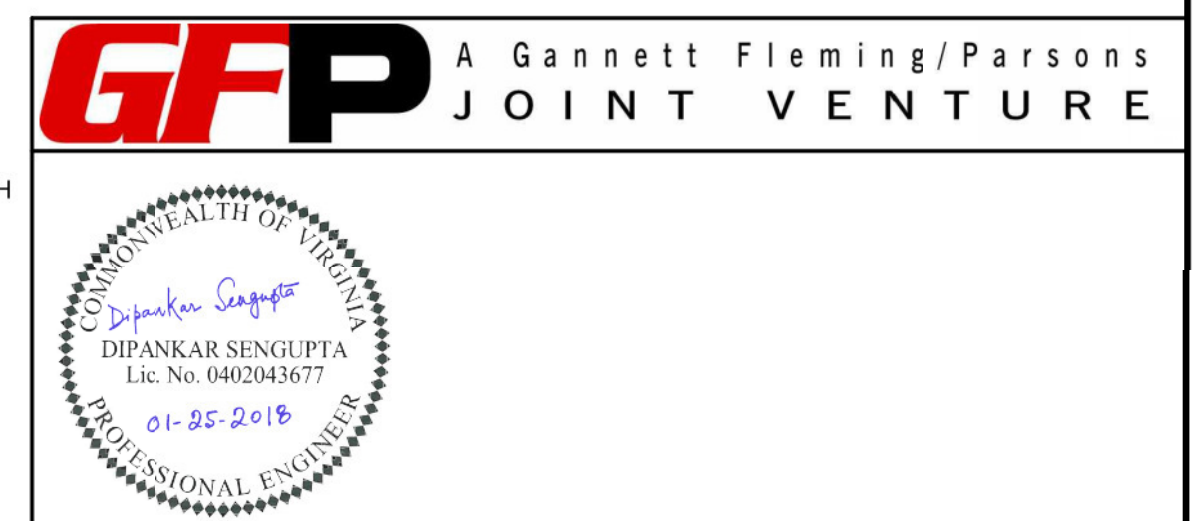
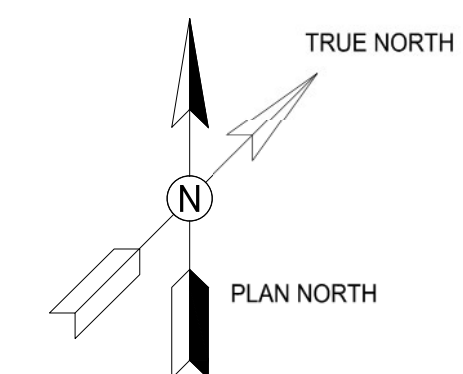
SCALE
1/16"=1'-0"



DRAWING NO.
K08-S-127

SHEET NO.
413 of 503

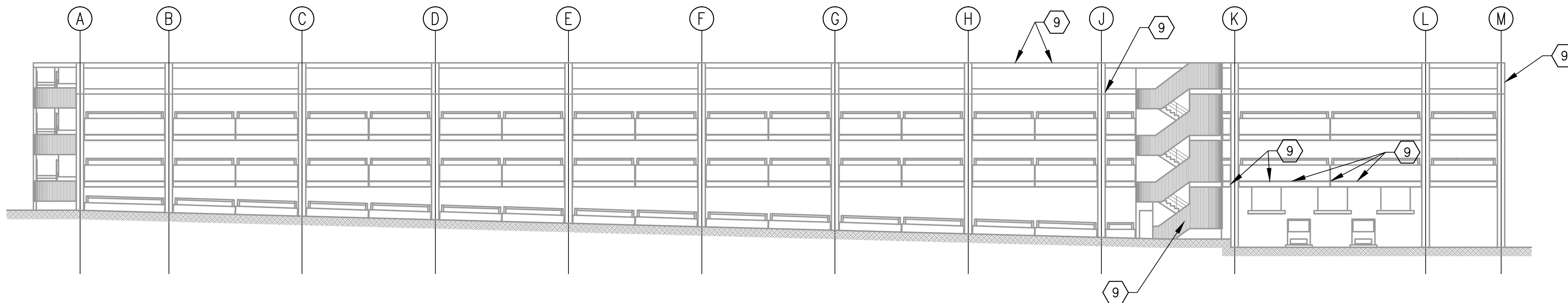


-



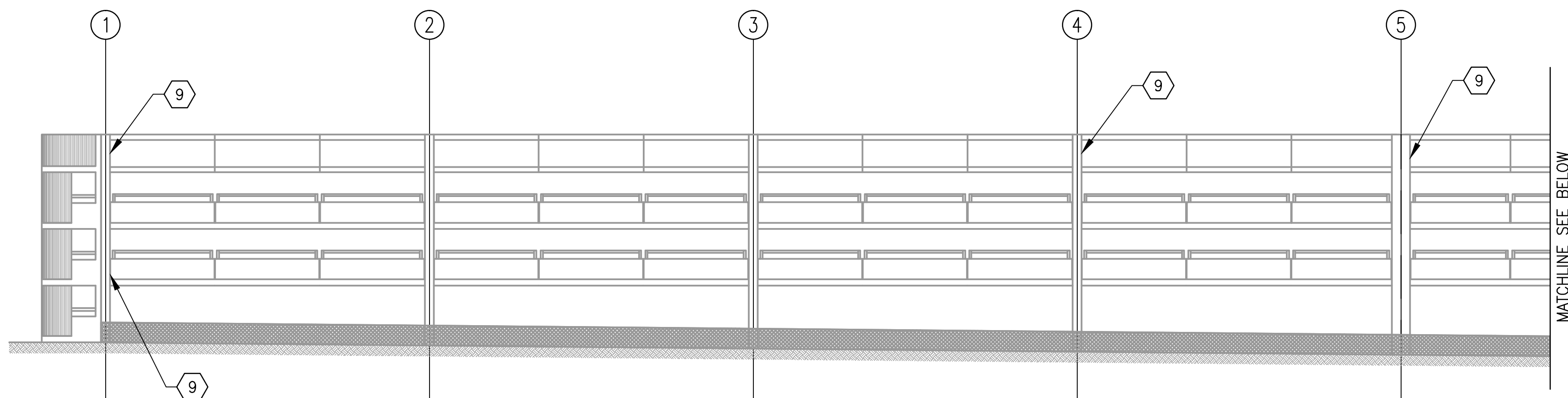
<div>DESIGNED <u>K. TSE</u> 01/2018 DATE</div> <div>DRAWN <u>A. PINKOWSKI</u> 01/2018 DATE</div> <div>CHECKED <u>D. SENGUPTA</u> 01/2018 DATE</div>	REFERENCE DRAWINGS		REVISIONS		<div><div><div>M</div><div>metro</div></div><div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div><div>OFFICE OF THE CHIEF OPERATING OFFICER</div><div>IRPG - FIXED FACILITIES</div><div><div>APPROVED  01/25/2018 JOHN PURDY ENGINEERING MANAGER</div><div>DATE</div><div>APPROVED  01/25/2018 DIPANKAR SENGUPTA ENGINEER OF RECORD</div><div>DATE</div></div></div>	REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE LEVEL 4 PARTIAL FRAMING PLAN 4					
	NUMBER	TITLE	DATE	NUM		DESCRIPTION	<div>M NO.</div> <div>M1301</div>	<div>CONTRACT NO.</div> <div>FQ18064</div>	<div>SCALE</div> <div>1/16"=1'-0"</div>	<div>DRAWING NO.</div> <div>K08-S-128</div>	<div>SHEET NO.</div> <div>414 of 503</div>
			01/25/2018	0		FINAL SUBMITTAL					

NOTE:
1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.



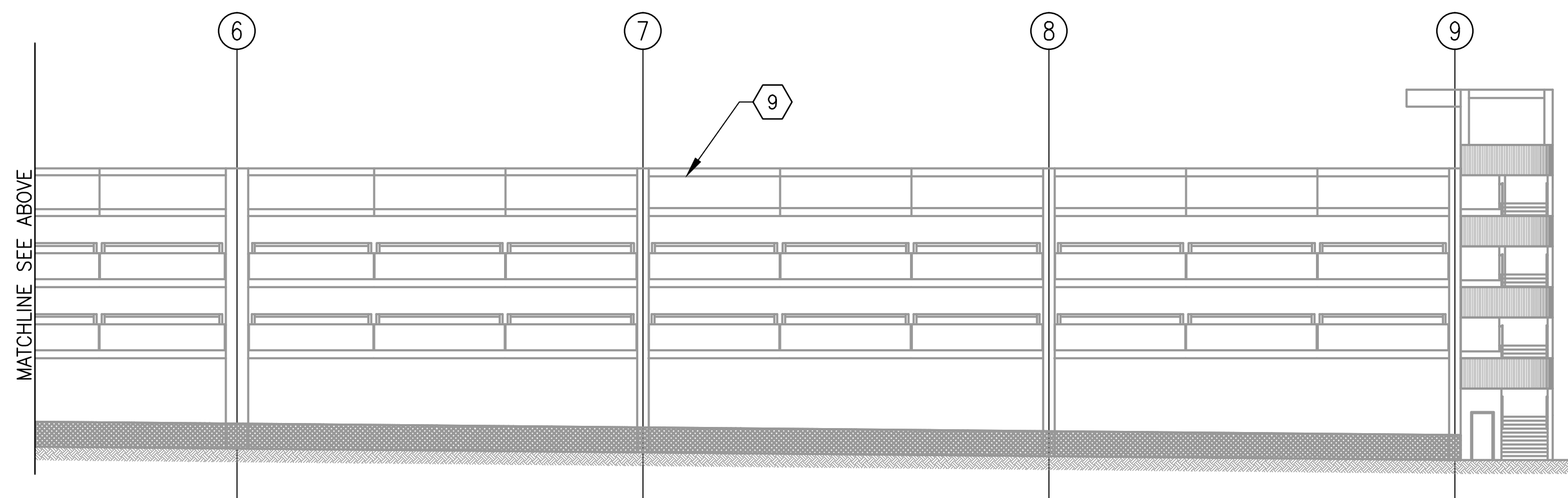
1 WEST ELEVATION
K08-S-201

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



1 PARTIAL SOUTH ELEVATION
K08-S-201

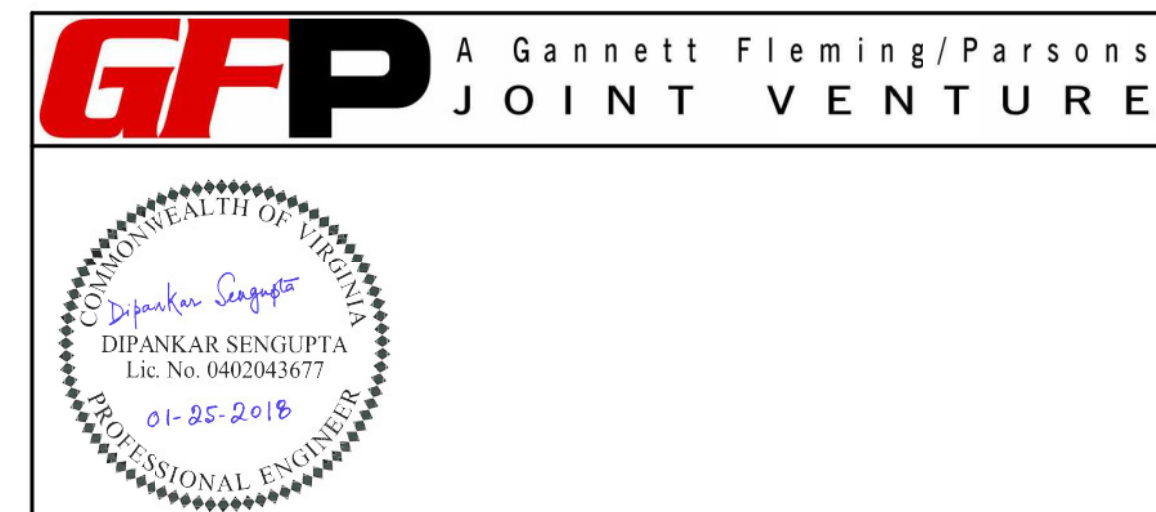
SCALE: 1/16"=1'-0"



1 PARTIAL SOUTH ELEVATION
K08-S-201

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

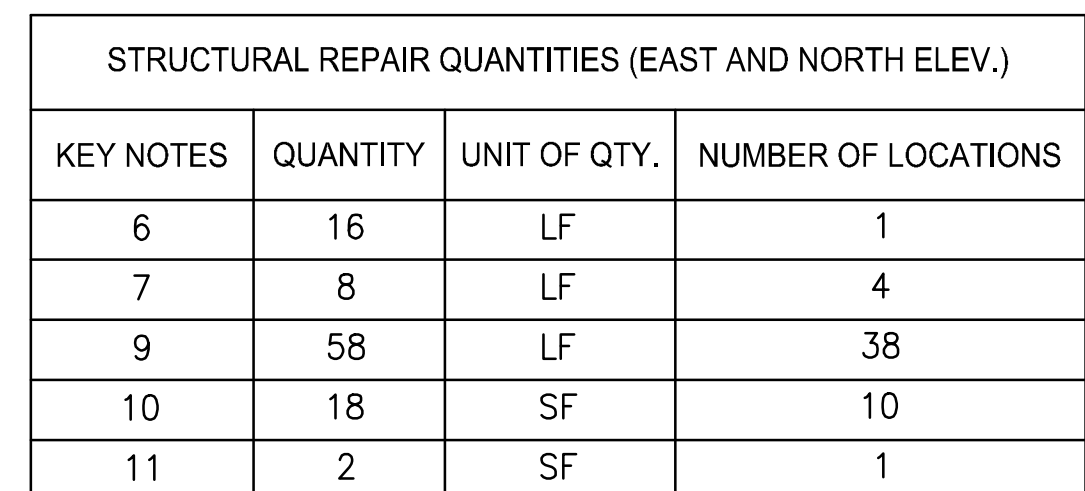
STRUCTURAL REPAIR QUANTITIES (WEST AND SOUTH ELEV.)			
KEY NOTES	QUANTITY	UNIT OF QTY.	NUMBER OF LOCATIONS
9	30	LF	16



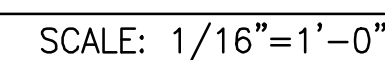
DESIGNED K. TSE DATE 01/2018 DRAWN G. ROWLAND DATE 01/2018 CHECKED D. SENGUPTA DATE 01/2018	REFERENCE DRAWINGS		REVISIONS		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY OFFICE OF THE CHIEF OPERATING OFFICER IRPG - FIXED FACILITIES	REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE EXTERIOR ELEVATIONS WEST AND SOUTH				
	NUMBER	TITLE	DATE	NUM	DESCRIPTION					
			01/25/2018	0	FINAL SUBMITTAL					
APPROVED JOHN PURDY ENGINEERING MANAGER						APPROVED DIPANKAR SENGUPTA ENGINEER OF RECORD	M NO. M1301	CONTRACT NO. FQ18064	SCALE 1/16"=1'-0"	SHEET NO. 415 of 503



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



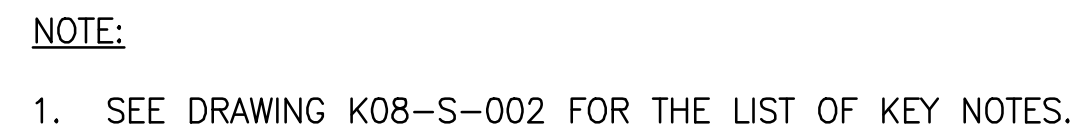
SCALE: 1/16"=1'-0"



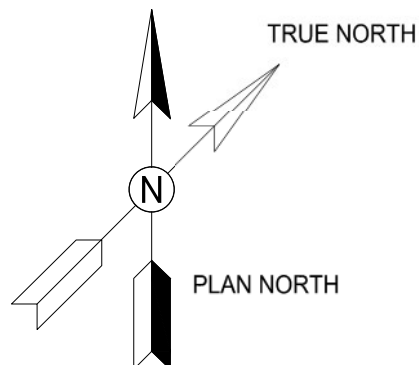
SHEET NO.

416 of 503

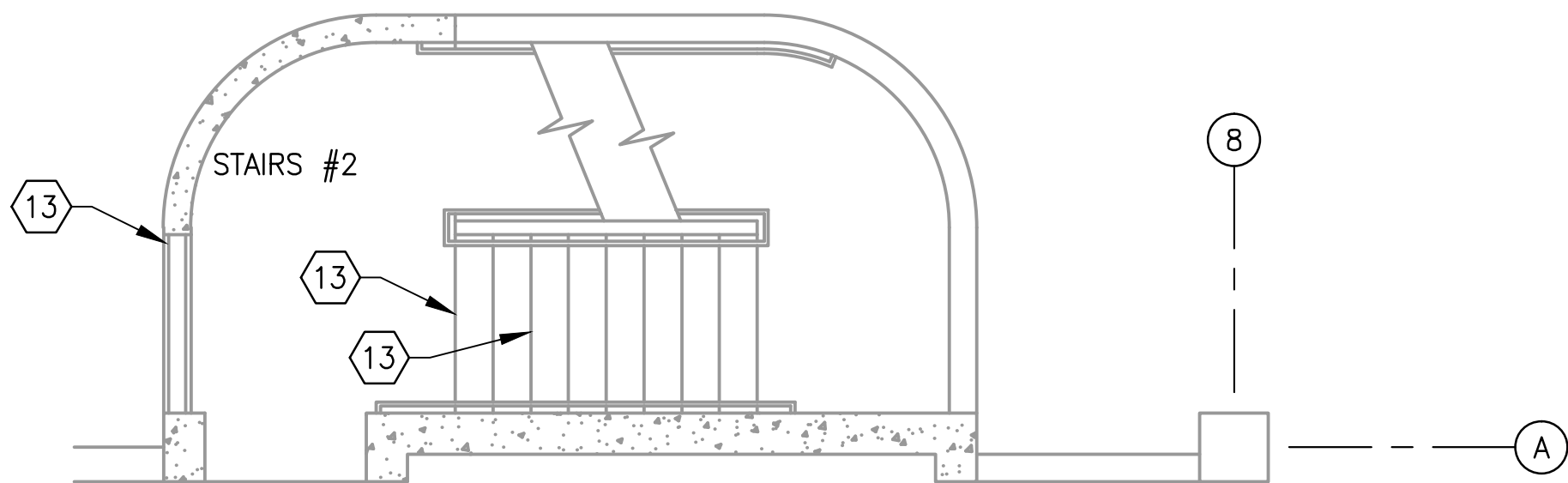
REHABILITATION OF PARKING GARAGES
K08 - VIENNA STATION - NORTH PARKING GARAGE
EXTERIOR
ELEVATIONS EAST AND NORTH



The image shows the logo for Gannett Fleming/Parsons Joint Venture (GFP) and a professional engineer seal. The logo consists of the letters 'GFP' in a large, bold, red font, followed by the text 'A Gannett Fleming/Parsons JOINT VENTURE' in a smaller, black, sans-serif font. Below the logo is a circular seal for the Commonwealth of Virginia. The seal contains the text 'COMMONWEALTH OF VIRGINIA' around the top and 'PROFESSIONAL ENGINEER' around the bottom. In the center of the seal, the name 'Dipankar Sengupta' is written in blue cursive, followed by 'DIPANKAR SENGUPTA' in blue capital letters, 'Lic. No. 0402043677' in blue, and the date '01-25-2018' in blue.

[illegible]

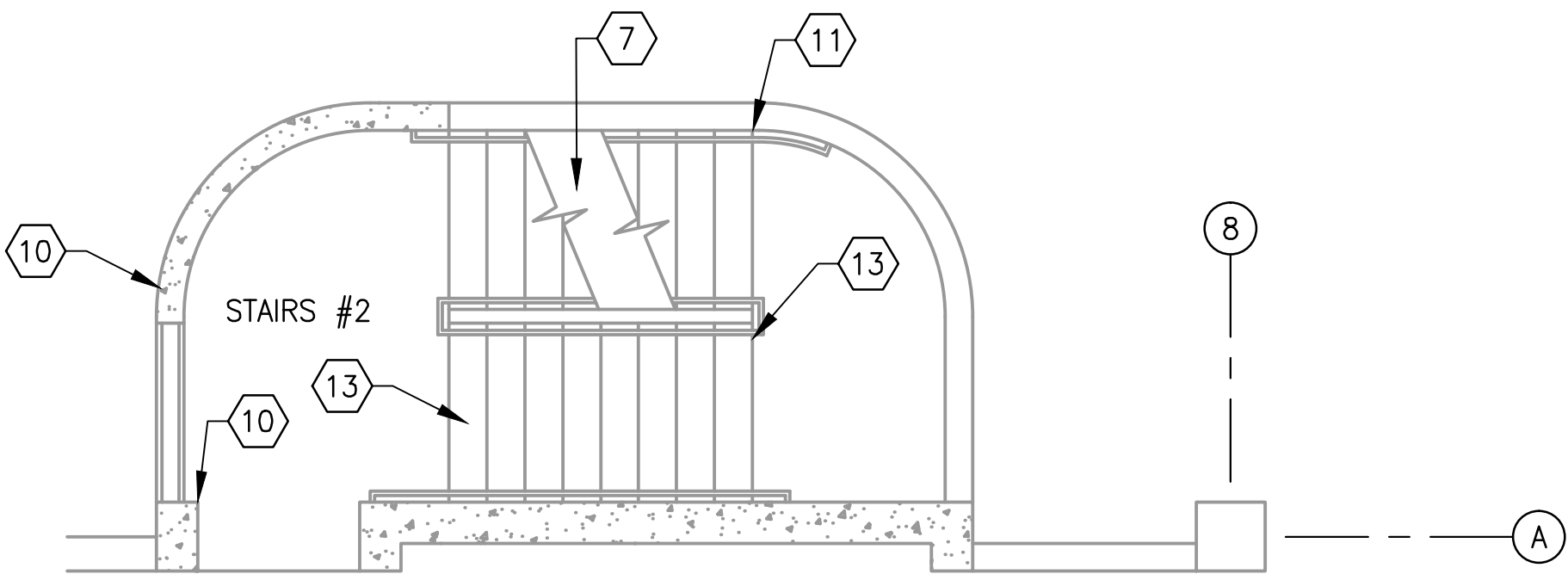
NOTE:
1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.



2
K08-S-402

LEVEL 2
STAIR #2 FLOOR PLAN

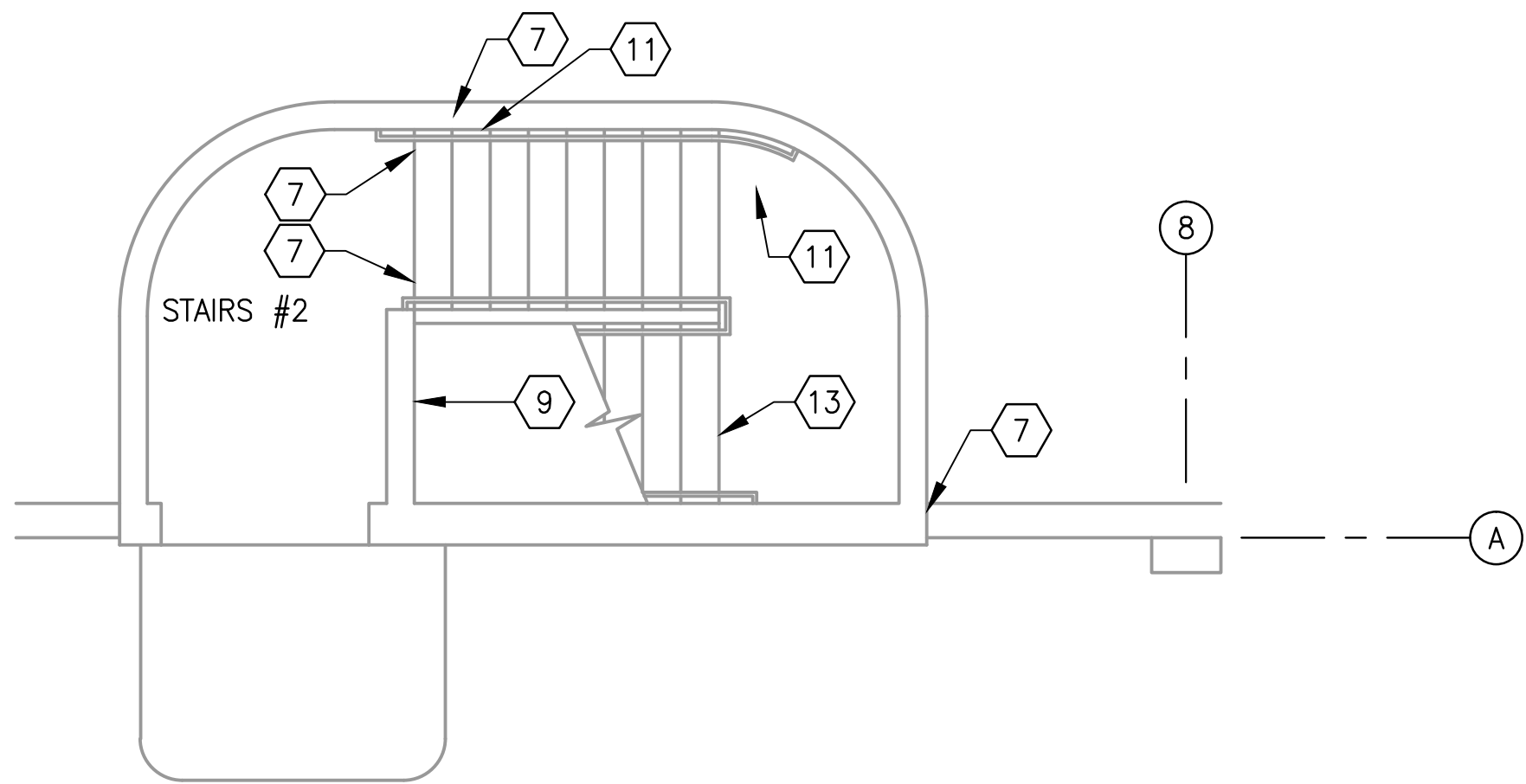
SCALE: 1/4"=1'-0"



3
K08-S-402

LEVEL 3
STAIR #2 FLOOR PLAN

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

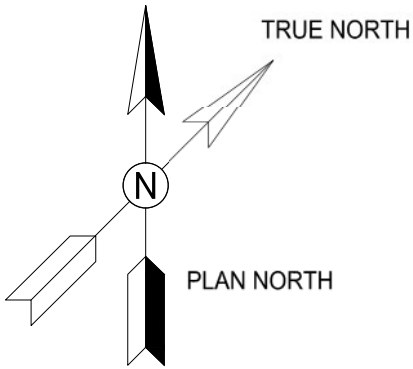


4
K08-S-402

LEVEL 4
STAIR #2 FLOOR PLAN



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

STRUCTURAL REPAIR QUANTITIES (STAIR #2)			
KEY NOTES	QUANTITY	UNIT OF QTY.	NUMBER OF LOCATIONS
7	66	LF	5
9	7	LF	1
10	3	SF	2
11	8	SF	3
13	20	SF	7

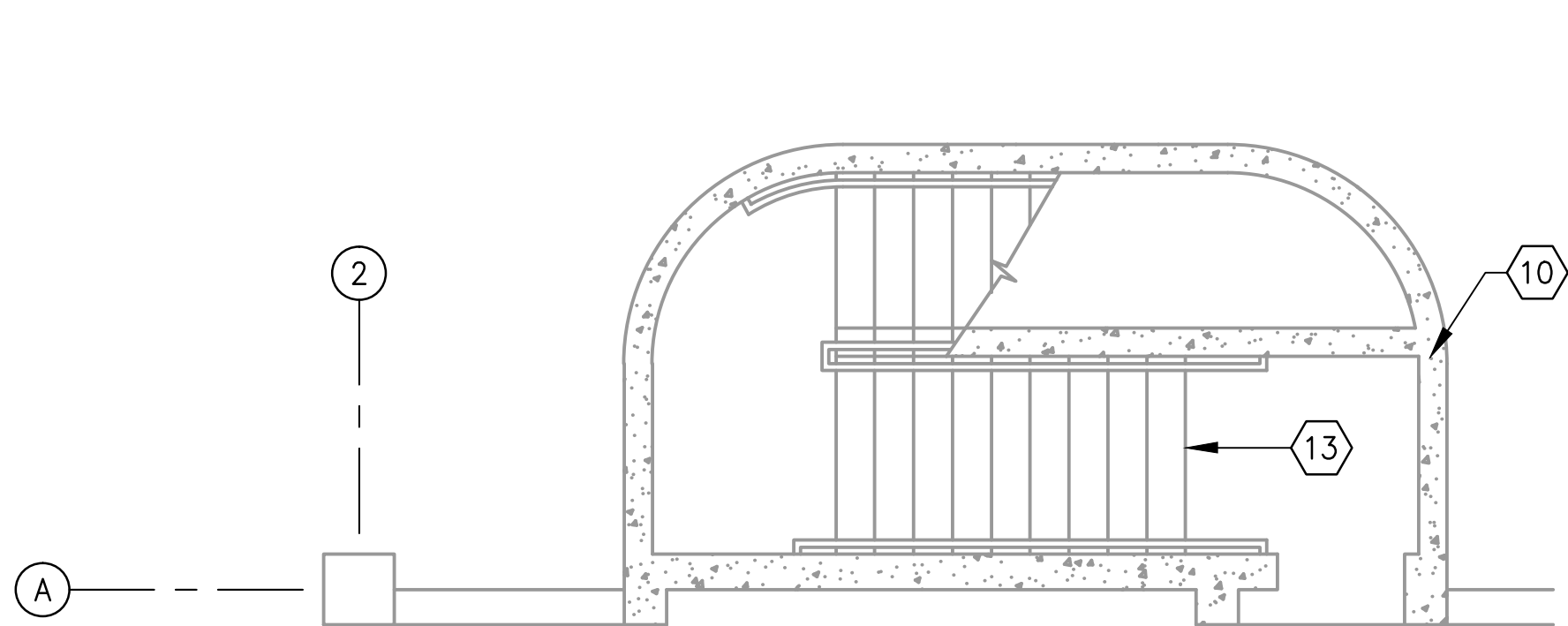


GFP A Gannett Fleming/Parsons
JOINT VENTURE

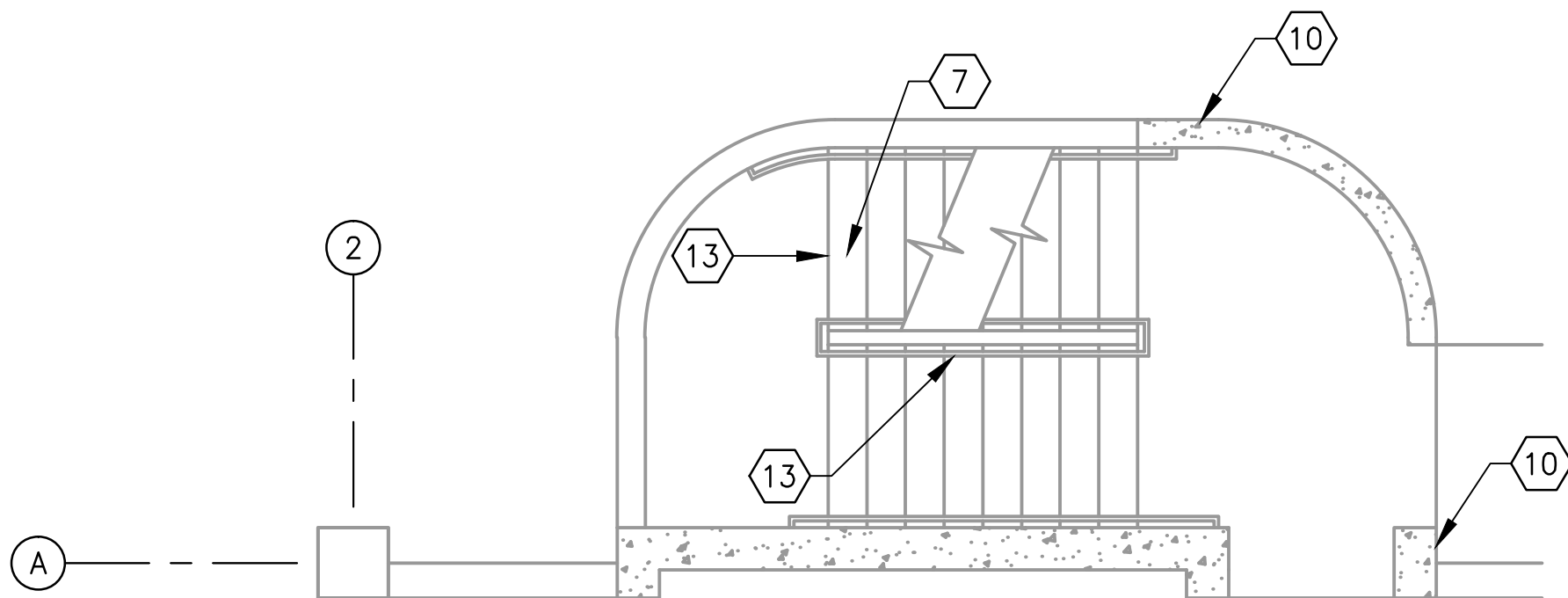
DIPANKAR SENGUPTA
Lic. No. 0402043677
01-25-2018
PROFESSIONAL ENGINEER

<div>DESIGNED <u>K. TSE</u> 01/2018 DATE</div> <div>DRAWN <u>G. ROWLAND</u> 01/2018 DATE</div> <div>CHECKED <u>D. SENGUPTA</u> 01/2018 DATE</div>	REFERENCE DRAWINGS		REVISIONS			<div><div><div>M</div><div>metro</div></div><div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div><div>OFFICE OF THE CHIEF OPERATING OFFICER</div><div>IRPG - FIXED FACILITIES</div><div><div>APPROVED  01/25/2018 JOHN PURDY ENGINEERING MANAGER</div><div>DATE</div><div>APPROVED  01/25/2018 DIPANKAR SENGUPTA ENGINEER OF RECORD</div><div>DATE</div></div></div> <td colspan="5">REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE STAIR #2 ENLARGED FLOOR PLANS</td>	REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE STAIR #2 ENLARGED FLOOR PLANS				
	NUMBER	TITLE	DATE	NUM	DESCRIPTION		M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.
			01/25/2018	0	FINAL SUBMITTAL		M1301	FQ18064	1/4"=1'-0"	K08-S-402	418 of 503

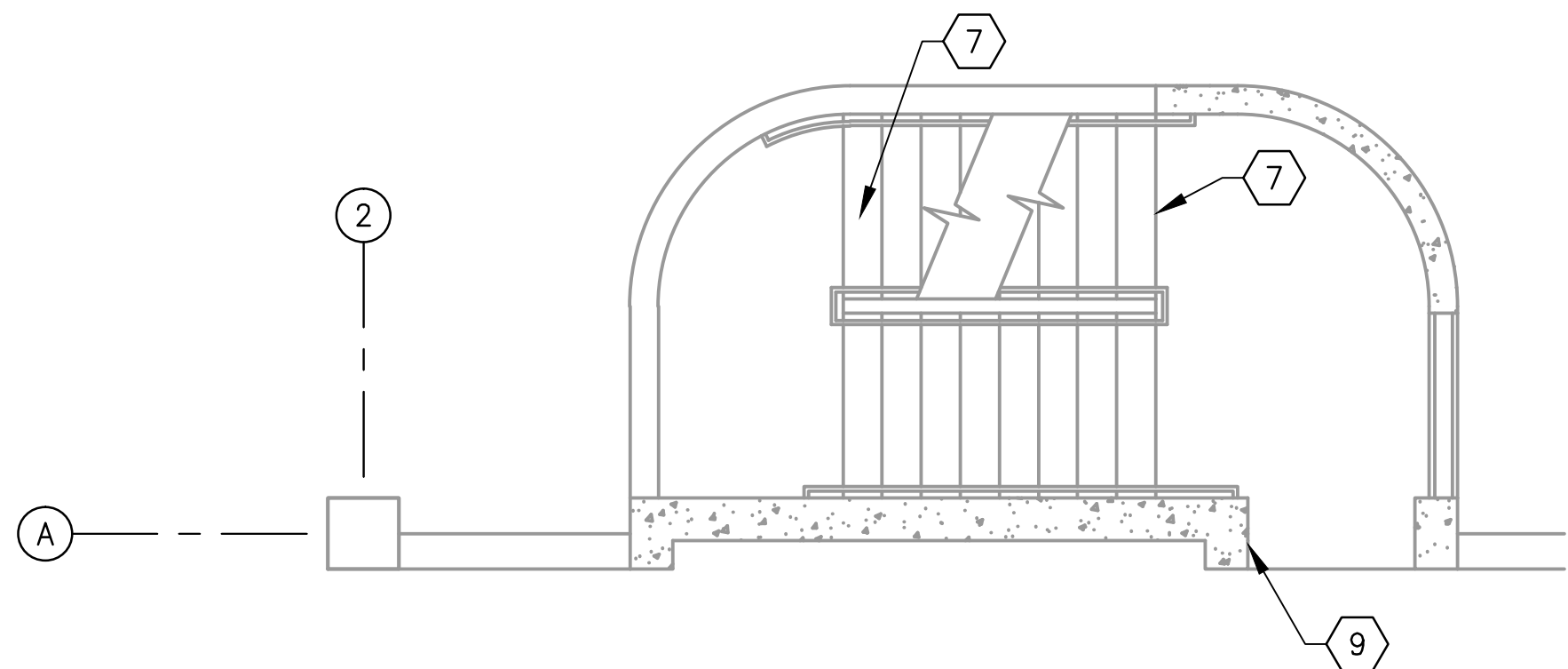
DRAWING NOTE:
1. SEE DRAWING K08-S-002 FOR THE LIST OF KEY NOTES.



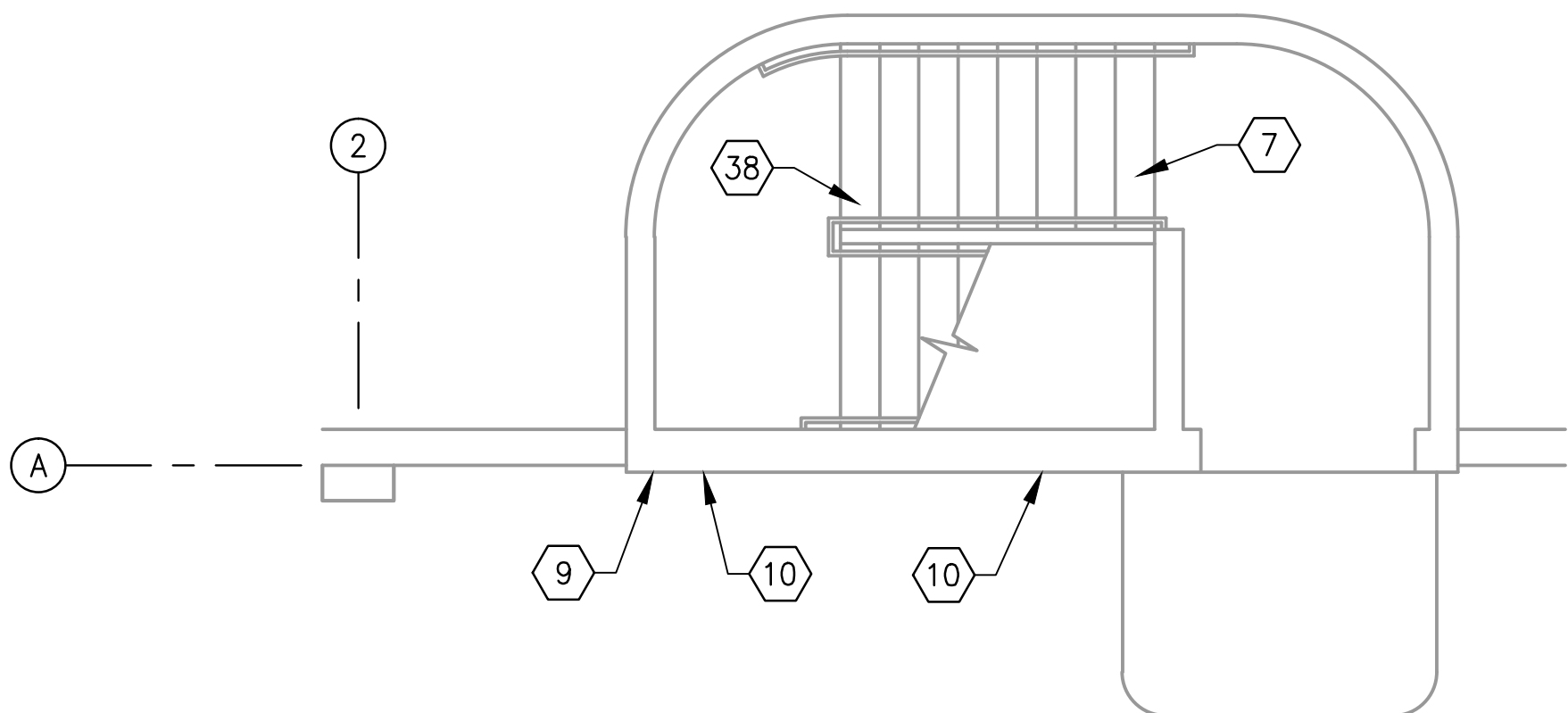
1
LEVEL 1
STAIR #3 FLOOR PLAN
K08-S-403
SCALE: 1/4"=1'-0"



2
LEVEL 2
STAIR #3 FLOOR PLAN
K08-S-403
SCALE: 1/4"=1'-0"

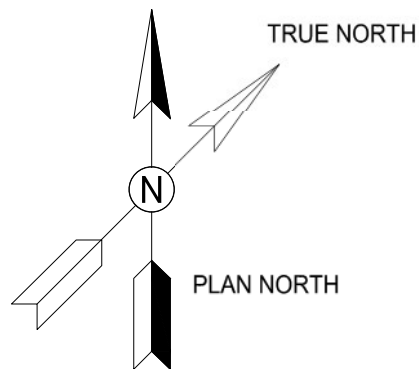


3
LEVEL 3
STAIR #3 FLOOR PLAN
K08-S-403
SCALE: 1/4"=1'-0"



4
LEVEL 4
STAIR #3 FLOOR PLAN
K08-S-403
SCALE: 1/4"=1'-0"

STRUCTURAL REPAIR QUANTITIES (STAIR #3)			
KEY NOTES	QUANTITY	UNIT OF QTY.	NUMBER OF LOCATIONS
7	28	LF	4
9	3	LF	2
10	9	SF	5
13	29	SF	3
38	3	SF	1



GFP A Gannett Fleming/Parsons
JOINT VENTURE



DESIGNED <u>K. TSE</u> 01/2018 DATE DRAWN <u>G. ROWLAND</u> 01/2018 DATE CHECKED <u>D. SENGUPTA</u> 01/2018 DATE	REFERENCE DRAWINGS		REVISIONS		M metro WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY OFFICE OF THE CHIEF OPERATING OFFICER IRPG - FIXED FACILITIES	REHABILITATION OF PARKING GARAGES K08 - VIENNA STATION - NORTH PARKING GARAGE STAIR #3 ENLARGED FLOOR PLANS					
	NUMBER	TITLE	DATE	NUM	DESCRIPTION						
			01/25/2018	0	FINAL SUBMITTAL						
APPROVED <u>[Signature]</u> 01/25/2018 JOHN PURDY ENGINEERING MANAGER DATE		APPROVED <u>[Signature]</u> 01/25/2018 DIPANKAR SENGUPTA ENGINEER OF RECORD DATE		M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.			
				M1301	FQ18064	1/4"=1'-0"	K08-S-403	419 of 503			