Yonkers GCG Restoration
PARKING GARAGE

RENDERING IS BEING PROVIDED FOR A CONCEPTUAL VISUAL DEPICTION OF THE BUILDING AND IS NOT MEANT TO BE INTERPRETED AS THE FINAL DESIGN. REFER TO PLANS WITHIN THIS SET.

Owner :

City of Yonkers
40 S Broadway,
Yonkers, NY 10701
T: (914) 377-6020

ARCHITECT/ENGINEER

THA Consulting, Inc.
144 Livingston Avenue
New Brunswick, NJ 08901
T: (732) 253-0690

ENGINEER

E & S Contruction Engineers, Inc.
4326 Mountain Road,
Pasadena, MD 21122
T: (410) 360-2280

DRAWING LIST

SHEET NO.		04/11/2022 BID DOCUMENTS		
ARCHITECTURAL				
A0.0	COVER	•		
VT-101	TOPOGRAPHIC SURVEY	•		
D0.1	GROUND TIER DEMOLITION PLAN	•		
D0.1A	GROUND TIER ENTRY LOBBY DEMO PLAN	•		
D0.2	2ND TIER DEMOLITION PLAN	•		
D0.3	3RD TIER DEMOLITION PLAN	•		
D0.4	4TH TIER DEMOLITION PLAN	•		
D0.5	5TH TIER DEMOLITION PLAN	•		
D0.6	TOP TIER DEMOLITION PLAN	•		
A0.1	OPENNESS CALCULATIONS	•		
A0.1A	PHASING PLAN - VETERAN AFFAIRS AREA	•		
A1.1	GROUND TIER ARCHITECTURAL PLAN & CONSTRUCTION NOTES	•		
A1.2	2ND TIER ARCHITECTURAL & ENLARGED PLANS/DETAILS	•		
A1.3	3RD TIER ARCHITECTURAL PLAN	•		
A1.4	4TH TIER ARCHITECTURAL PLAN	•		
A1.5	5TH TIER ARCHITECTURAL PLAN	•		
A1.6	TOP TIER ARCHITECTURAL PLAN	•		
A2.1	ARCHITECTURAL BUILDING ELEVATIONS	•		
A4.1	MAIN LOBBY ENLARGED PLANS & RELATED DETAILS	•		
A4.2	STAIR/ELEVATOR #1 ENLARGED PLANS	•		
A4.3	STAIR #2 ENLARGED PLANS	•		
A4.4	STAIR #3 & #4 ENLARGED PLANS	•		
A4.5	ENLARGED ARCHITECTURAL PLANS	•		
A5.1	DOOR SCHEDULE & DETALS, ELEV. MODERNIZATION REQ., WALL TYPES AND MISC. DETAILS	•		
A6.1	MAIN LOBBY & STAIR TOWERS INTERIOR ELEVATIONS	•		
A6.2	STAIR TOWERS INTERIOR ELEVATIONS	•		

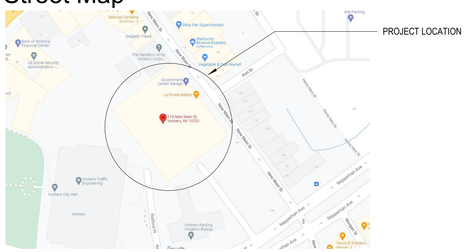
DRAWING LIST

SHEET NO.		04/11/2022 BID DOCUMENTS		
G1.1	SIGNAGE SCHEDULE, NOTES AND DETAILS	•		
G1.2	SIGNAGE AND GRAPHICS DETAILS	•		
G1.3	SIGNAGE AND GRAPHICS DETAILS	•		
STRUCTURAL				
SR0.1	STRUCTURAL GENERAL NOTES	•		
SR0.2	REPAIR QUANTITIES TABLE	•		
SR1.1	GROUND TIER STRUCTURAL RESTORATION FLOOR PLAN	•		
SR1.2	2ND TIER STRUCTURAL RESTORATION FLOOR PLAN	•		
SR1.3	3RD TIER STRUCTURAL RESTORATION FLOOR PLAN	•		
SR1.4	4TH TIER STRUCTURAL RESTORATION FLOOR PLAN	•		
SR1.5	5TH TIER STRUCTURAL RESTORATION FLOOR PLAN	•		
SR1.6	TOP TIER STRUCTURAL RESTORATION FLOOR PLAN	•		
SR2.1	GROUND TIER STRUCTURAL RESTORATION OVERHEAD PLAN	•		
SR2.2	2ND TIER STRUCTURAL RESTORATION OVERHEAD PLAN	•		
SR2.3	3RD TIER STRUCTURAL RESTORATION OVERHEAD PLAN	•		
SR2.4	4TH TIER STRUCTURAL RESTORATION OVERHEAD PLAN	•		
SR2.5	5TH TIER STRUCTURAL RESTORATION OVERHEAD PLAN	•		
SR3.1	ENLARGED STAIR TOWER STRUCTURAL RESTORATION PLANS	•		
SR4.1	REPAIR DETAILS	•		
SR4.2	REPAIR DETAILS	•		
SR4.3	REPAIR DETAILS	•		
SR4.4	REPAIR DETAILS	•		
SR4.5	REPAIR DETAILS	•		
SR4.6	REPAIR DETAILS	•		
SR5.1	BIRD CONTROL - SOFFIT PLANS	•		
SR5.2	BIRD CONTROL - DETAILS	•		

DRAWING LIST

SHEET NO.		04/11/2022 BID DOCUMENTS		
MECHANICAL				
DM1.1	GROUND TIER FLOOR PLAN EXISTING CONDITIONS/DEMOLITION (HVAC)	•		
M1.1	GROUND TIER FLOOR PLAN - EXISTING CONDITIONS/NEW WORK (HVAC)	•		
M2.1	SCHEDULES	•		
ELECTRICAL				
E000	GENERAL NOTE, LEGEND, & SPEC	•		
E101	ELECTRICAL GROUND TIER PLAN	•		
E102	LIGHTING 2ND TIER PLAN	•		
E103	LIGHTING 3RD TIER PLAN	•		
E104	LIGHTING 4TH TIER PLAN	•		
E105	LIGHTING 5TH TIER PLAN	•		
E106	LIGHTING TOP TIER PLAN	•		
E200	LIGHTING ELEVATION PLAN	•		
E700	POWER ONE LINE DIAGRAM	•		

Street Map

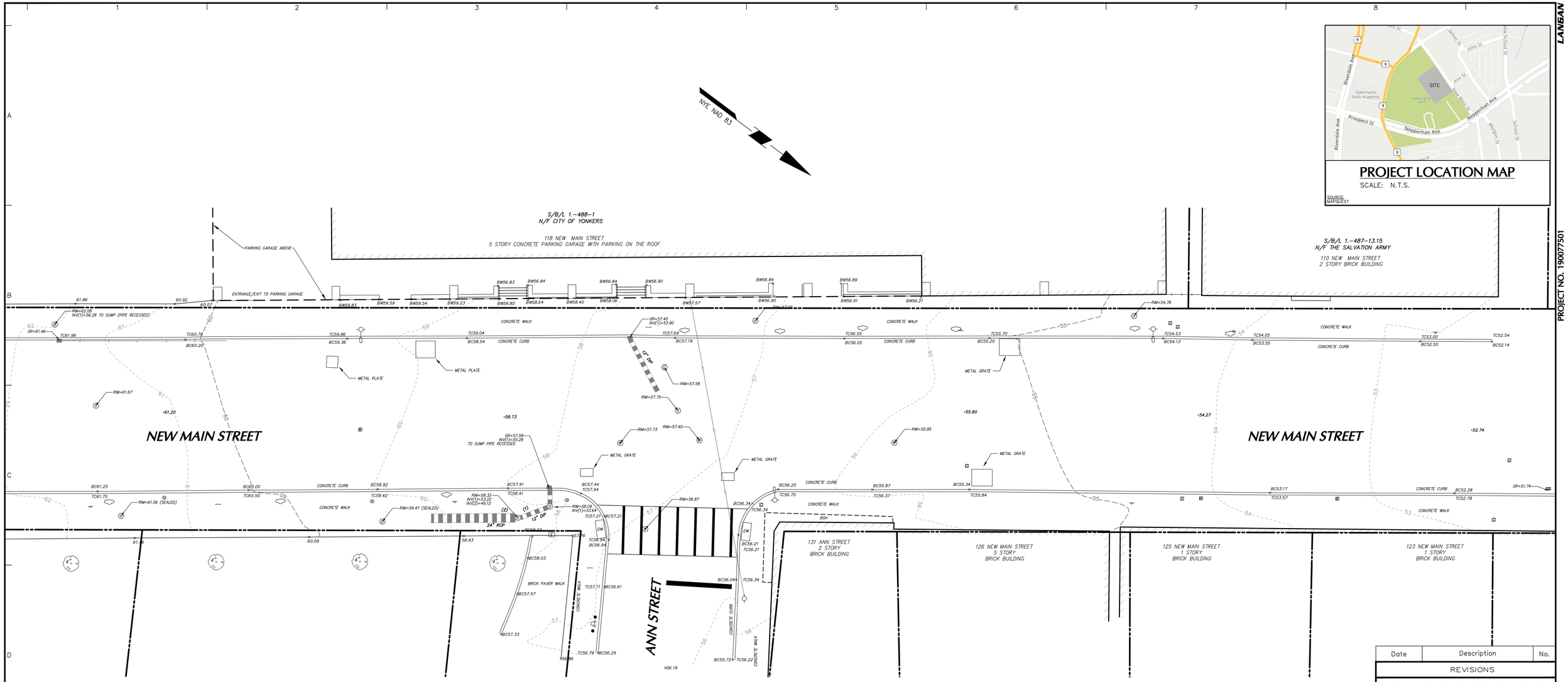


118 New Main St,
Yonkers, NY 10701

THA CONSULTING

04/11/2022
BID DOCUMENTS

A0.0



PROJECT LOCATION MAP

SCALE: N.T.S.

SOURCE: MAPQUEST

NOTES

1. THE MERIDIAN OF THIS SURVEY IS REFERENCED TO NEW YORK EAST STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD83)(EPOCH2011) GRID NORTH.
2. ELEVATIONS SHOWN ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) (GEOID12B) AS DETERMINED BY GLOBAL NAVIGATION SATELLITE SYSTEMS (GNSS).
3. PARCELS ARE BASED UPON, AND THE SAME, RECORD DESCRIPTIONS.
4. STREET NAMES AND R.O.W. WIDTHS, BLOCK AND LOT NUMBERS AS PER MAPS REFERENCED IN CITY OF NEW ROCHELLE TAX MAPS.
5. PLANIMETRIC AND TOPOGRAPHIC INFORMATION SHOWN HEREON HAS BEEN OBTAINED FROM GROUND SURVEYS BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING AND LANDSCAPE ARCHITECTURE, D.P.C. DURING SEPTEMBER OF 2017, JULY OF 2018 AND SEPTEMBER OF 2019. VISUAL INSPECTIONS OF THE SITE WERE PERFORMED ON 6/25/2021 AND 11/6/2021.
6. OFFSETS (IF SHOWN) ARE FOR SURVEY REFERENCES ONLY AND ARE NOT TO BE USED IN CONSTRUCTION OF ANY TYPE.
7. WETLANDS, ENVIRONMENTAL AND/OR HAZARDOUS MATERIALS LOCATION, IF ANY, NOT COVERED UNDER THIS CONTRACT.
8. FEMA INFORMATION

a. CURRENT: AS PER THE "NATIONAL FLOOD INSURANCE PROGRAM FIRM MAP TITLED FOR WESTCHESTER COUNTY, NEW YORK (ALL JURISDICTIONS), PANEL 317 OF 426, MAP NUMBER 36119C0317F, EFFECTIVE DATE SEPTEMBER 28, 2007". THE ENTIRE SUBJECT PROPERTY LIES WITHIN ZONE X (NOT SHADED).

b. PRELIMINARY: AS PER THE "NATIONAL FLOOD INSURANCE PROGRAM FIRM MAP TITLED FOR WESTCHESTER COUNTY, NEW YORK (ALL JURISDICTIONS), PANEL 317 OF 426, MAP NUMBER 36119C0317G, REVISED DATE DECEMBER 8, 2014". THE ENTIRE SUBJECT PROPERTY LIES WITHIN ZONE X (NOT SHADED).

9. UNLESS SPECIFICALLY NOTED HEREON, STORM AND SANITARY SEWER INFORMATION (INCLUDING PIPE INVERT, PIPE MATERIAL, AND PIPE SIZE) WAS OBSERVED AND MEASURED AT FIELD LOCATED STRUCTURES (MANHOLES/CATCH BASINS, ETC). CONDITIONS CAN VARY FROM THOSE ENCOUNTERED AT THE TIMES WHEN AND THE LOCATIONS WHERE DATA WAS OBTAINED. DESPITE MEETING THE REQUIRED STANDARD OF CARE THE SURVEYOR CANNOT AND DOES NOT WARRANT THAT PIPE MATERIAL AND/OR PIPE SIZE THROUGHOUT THE PIPE RUN ARE THE SAME AS THOSE OBSERVED AT EACH STRUCTURE, OR THAT THE PIPE RUN IS STRAIGHT BETWEEN THE LOCATED STRUCTURES.
10. ADDITIONAL UTILITY (WATER, GAS, ELECTRIC ETC..) DATA MAY BE SHOWN FROM FIELD LOCATED SURFACE MARKINGS (BY OTHERS), EXISTING STRUCTURES, AND/OR FROM EXISTING DRAWINGS.
11. UNLESS SPECIFICALLY NOTED HEREON THE SURVEYOR HAS NOT EXCAVATED TO PHYSICALLY LOCATE THE UNDERGROUND UTILITIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE SHOWN UNDERGROUND UTILITIES ARE EITHER IN SERVICE, ABANDONED OR SUITABLE FOR USE, NOR ARE IN THE EXACT LOCATION OR CONFIGURATION INDICATED HEREON.
12. PRIOR TO ANY DESIGN OR CONSTRUCTION THE PROPER UTILITY AGENCIES MUST BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS.
13. UNLESS NOTED BELOW SUPPLEMENTAL DOCUMENTS WERE NOT USED TO COMPILE THE SUBSURFACE UTILITY INFORMATION SHOWN HEREON.
14. THIS PLAN WAS COMPILED FROM OTHER MAPS, RECORD RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FULL BOUNDARY SURVEY, AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY OF THE ENTIRE PROPERTY MAY DISCLOSE. THE PURPOSE OF THIS SURVEY IS TO DEPICT TOPOGRAPHIC FEATURES.
15. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.
16. THIS PLAN NOT VALID UNLESS EMBOSSED OR BLUE INK STAMPED WITH THE SEAL OF THE PROFESSIONAL.

LEGEND (NOT SHOWN TO SCALE)

	HYDRANT		ELECTRIC BOX	N E S W	NORTH, EAST, SOUTH, WEST
	STAND PIPE		HAND HOLE	FF=322.35	FINISHED FLOOR
	ROOF DRAIN		TELEPHONE BOX		OVERHEAD WIRE
	PEDESTAL LIGHT		TRAFFIC SIGNAL POLE		CHAINLINK FENCE
	STREET LIGHT		DOOR		IRON FENCE
	SIGNAL POLE		DOUBLE DOOR		EASEMENT LINE
	POWER POLE		ROLL UP DOOR		PROPERTY LINE
	GUY WIRE	CLF	CHAIN LINK FENCE		RIGHT-OF-WAY LINE
	MANHOLE (TYPE AS LABELED)	WIF	WROUGHT IRON FENCE	322	CONTOUR LINE
	WATER VALVE	BW	BOTTOM OF WALL	G	GAS MARK OUT LINE
	GAS VALVE	TW	TOP OF WALL	W	WATER MARK OUT LINE
	UNKNOWN VALVE	BC	BOTTOM OF CURB	E	ELECTRIC MARK OUT LINE
	CATCH BASIN	TC	TOP OF CURB	T	COMMUNICATION MARK OUT LINE
x322.35	SPOT ELEVATION	DC	DROP CURB	S	SANITARY MARK OUT LINE
	CLEAN OUT	(S)	MEASUREMENT PER SURVEY	D	DRAINAGE MARK OUT LINE
	TREE	(D)	MEASUREMENT PER DEED	UNK	UNKNOWN UTILITY MARK OUT LINE
	SIGN	BLDG.	BUILDING	*R	REFERENCE UTILITY LINE (TYPE AS NOTED) – PLOTTED FROM EXISTING MAPPING
	BOLLARD	O.H.	OVERHANG		
	MONITORING WELL	CONC.	CONCRETE		
	PARKING METER				

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

10 0 2 4 10
SCALE: 1 INCH = 10 FEET

Date	Description	No.

REVISIONS

LANGAN
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
One North Broadway, Suite 910
White Plains, NY 10601
T: 914.323.7400 F: 914.323.7401 www.langan.com

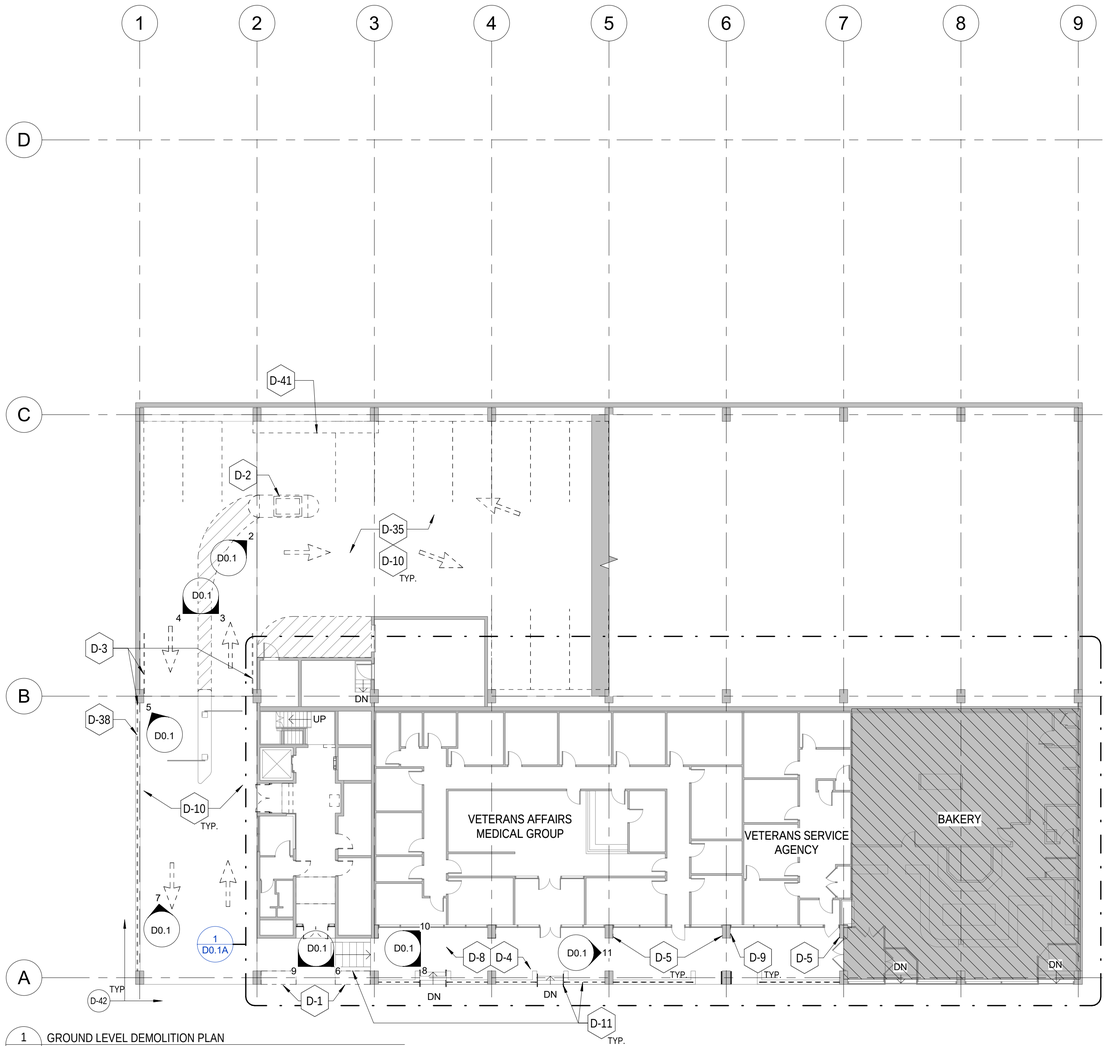
Project
YONKERS GOVERNMENT PARKING GARAGE
SECTION 1, BLOCK No. 488, LOT No. 1
CITY OF YONKERS
COUNTY OF WESTCHESTER STATE OF N EW YORK

Drawing Title
TOPOGRAPHIC SURVEY

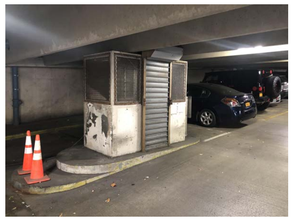
Project No.	Drawing No.
190077501	VT-101
Date: 02/25/2022	
Drawn By: DJG	
Checked By: AIG	Sheet 1 of 1

PROJECT NO. 190077501

Filename: I:\langan.com\data\WPW\data5\190077501\Project Data_Discipline\Survey\CAD\Existing\190077501-V-EX0101.dwg Date: 3/24/2022 Time: 13:28 User: djgaul Style Table: Langan.stb Layout: VT101-0101



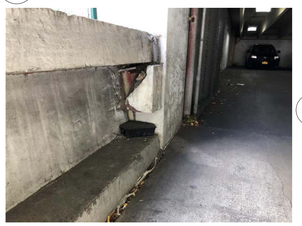
1 D0.1 GROUND LEVEL DEMOLITION PLAN
1/16" = 1'-0"



2 D0.1 ATTENDANT BOOTH & STEPPED CURB ISLAND
Not To Scale

3 D0.1 ENTRY GATE & STORAGE ROOM
Not To Scale

4 D0.1 ENTRY GATE
Not To Scale

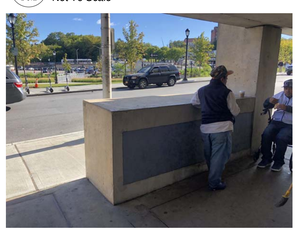


5 D0.1 DAMAGE SPANDREL
Not To Scale

6 D0.1 EXTERIOR GUARDRAIL & KNEE WALL
Not To Scale

7 D0.1 MAIN ENTRANCE
Not To Scale

8 D0.1 EXTERIOR GUARDRAIL & STEPS
Not To Scale



9 D0.1 KNEE WALL
Not To Scale

10 D0.1 ARCADE AREA
Not To Scale

11 D0.1 ARCADE AREA
Not To Scale

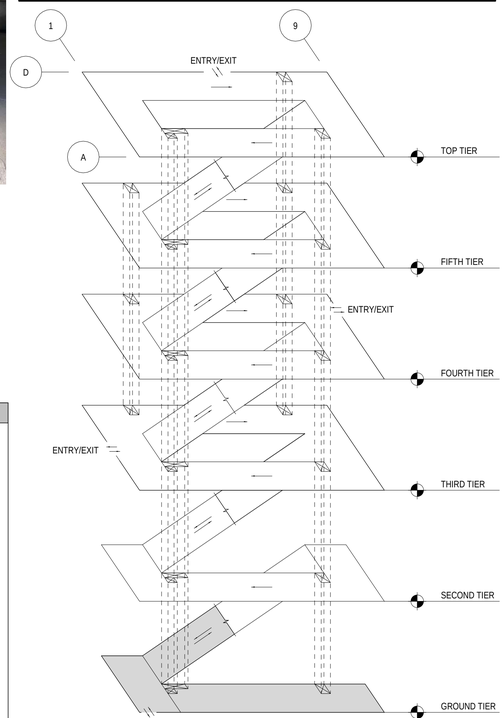
KEYNOTE DEMOLITION LEGEND	
D-1	DEMO KNEE WALL AT PEDESTRIAN ENTRANCE.
D-2	DEMO ATTENDANT BOOTH AND STEPPED CURB ISLAND ON SLAB ON GRADE IN ITS ENTIRETY, PATCH AND REPAIR TO BE COORDINATED WITH NEW CONSTRUCTION. REFER TO RESTORATION DRAWINGS FOR FURTHER INFORMATION.
D-3	CHAIN LINK FENCE/GATE TO BE REMOVED IN ITS ENTIRETY. PATCH AND REPAIR CONCRETE FOR NEW CONSTRUCTION.
D-4	PREPARE CORRIDOR CONCRETE FLOOR SURFACE TO RECEIVE NEW EPOXY FLOORING.
D-5	REMOVE ALL INSULATED METAL PANEL CLADDING, PATCH AND REPAIR SUB-SURFACE AS REQUIRED TO RECEIVE NEW CLADDING. REMOVE AND STORE EXISTING SIGANGE FOR RE-INSTALLATION IN THE SAME LOCATION. COORDINATE ALL SECURITY AND ELECTRICAL DEVICES, JUNCTION BOXES, ETC. TO REMAIN WITH NEW CONSTRUCTION.
D-8	REMOVE EXISTING EXTERIOR CEILING SYSTEM AND LIGHTING INCLUDING BUT NOT LIMITED TO SUPPORT SYSTEM UP TO THE EXISTING BLACK IRON. EXISTING BLACK IRON, HANGERS, ANCHORS, ETC. WITH GOOD STRUCTURAL INTEGRITY ARE TO REMAIN AND TO BE COORDINATED WITH NEW CONSTRUCTION.
D-9	REMOVE EXISTING TILE CLADDING AT BASE. PATCH AND REPAIR FOR NEW CONSTRUCTION.
D-10	EXISTING CONCRETE WALLS, CMU WALLS AND UNDERSIDE OF STRUCTURAL TEES TO BE POWERWASHED THROUGHOUT THE ENTIRE TIER, TYP. REFER TO THE STRUCTURAL/RESTORATIONS DRAWINGS AND COORDINATE.
D-11	REMOVE EXISTING PIPE GUARDRAILS AND HANDRAILS. INFILL/PATCH AND REPAIR HOLES IN CONCRETE FOR NEW CONSTRUCTION.
D-35	REMOVE ALL EXISTING SIGNS THROUGHOUT AND COORDINATE WITH NEW.
D-38	REALIGN EXISTING GRADE SPANDREL BEAM TO ITS ORIGINAL POSITION. REFER TO STRUCTURAL PLANS.
D-41	EXISTING C.I.P. ISLAND TO BE DEMOLISHED, FINISH TO MATCH ADJACENT FLOOR FINISH.
D-42	ALL EXTERIOR SIGNAGE TO BE REMOVED WITHOUT DAMAGE FOR REINSTALLATION IN NEW CONSTRUCTION.

EXISTING PARKING SPACE CAR TABULATION

GARAGE LEVEL	STALL	ELECTRIC	ADA	TOTAL
TOP TIER	78	0	7	85
5TH TIER	105	6	0	111
4TH TIER	110	0	2	112
3RD TIER	109	0	2	111
2ND TIER	70	0	4	74
GROUND TIER	12	0	0	12
TOTAL SPACES	**484**	**6**	**15**	**505**

DEMOLITION LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL OR ITEMS TO BE REMOVED.
- EXISTING DOOR TO REMAIN
- EXISTING DOOR, FRAME & HARDWARE TO BE REMOVED.
- EXISTING STRIPING TO BE REMOVED.
- D-1 DEMOLITION KEYNOTE TAG
- 1 / D.1 VIEW NUMBER / SHEET NUMBER (IMAGE INDICATOR)
- NOT IN CONTRACT



ISOMETRIC - GROUND

GENERAL DEMOLITION NOTES:

1. THE DRAWINGS GENERALLY INDICATE THE DEMOLITION REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION BUT NOT ALL INCLUSIVE. THE FULL EXTENT OF DEMOLITION WORK SHALL BE AS REQUIRED FOR THE SATISFACTORY PROVISION AND PROPER EXECUTION OF THE WORK.
2. UNLESS OTHERWISE INDICATED, EACH PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF THOSE EXISTING MATERIALS AND SYSTEMS WHICH WOULD NORMALLY BE HANDLED AND / OR INSTALLED BY THE TRADESMAN EMPLOYED IN THE WORK OF HIS RESPECTIVE CONTRACT. FURTHERMORE, EACH PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING, AND REPAIR WORK INCIDENTAL TO HIS RESPECTIVE DEMOLITION AND REMOVAL.
   a. EACH PRIME CONTRACTOR SHALL PROVIDE OPENINGS IN THEIR RESPECTIVE WORK (INCLUDING, BUT NOT LIMITED TO, HVAC LOUVERS, GRILLES, EQUIPMENT), AS INDICATED ON THE DRAWINGS AND PERFORM ALL ASSOCIATED PATCHING.
   b. EACH PRIME CONTRACTOR SHALL CUT THEIR RESPECTIVE NEW WALL OPENINGS IN EXISTING CONSTRUCTION, AND MODIFY EXISTING OPENINGS FOR NEW SIZES. CLOSE EXISTING OPENINGS NOT USED, AS SHOWN IN DRAWINGS.
   c. EACH PRIME CONTRACTOR SHALL PROVIDE STEEL LINTELS FOR OPENINGS IN EXISTING MASONRY WALL CONSTRUCTION, CUTTING AND PATCHING OF EXISTING WALL CONSTRUCTION TO BE THE RESPONSIBILITY OF EACH RESPECTIVE PRIME CONTRACTOR UNLESS NOTED OTHERWISE.
3. REFER TO ARCHITECTURAL "D", "A" AND "AS", PLUMBING "P" AND ELECTRICAL "E" DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION PERTINENT TO DEMOLITION AND REMOVAL REQUIRED UNDER THE CONTRACT DOCUMENTS.
4. SHOULD THE CONTRACTOR ENCOUNTER ANY MATERIAL, DURING THE PROGRESS / DEMOLITION OF THIS PROJECT THEY SUSPECT MAY BE HAZARDOUS, INCLUDING BUT NOT LIMITED TO ASBESTOS, AND THE MATERIAL MUST BE REMOVED OR PENETRATED TO ACCOMMODATE THE NEW CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND ARCHITECT IN WRITING BEFORE ANY WORK ON THE MATERIAL IS PERFORMED. THE OWNER WILL HAVE THE MATERIAL TESTED AND HAVE IT REMOVED, UNDER SEPARATE CONTRACT, IF THE TEST RESULTS WARRANT IT.
5. MATERIALS RESULTING FROM DEMOLITION AND REMOVAL OPERATIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE SITE UNLESS NOTED OTHERWISE ON THE DRAWINGS OF REQUESTED BY THE OWNER.
6. STORAGE OF DEBRIS AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS SHALL NOT BE PERMITTED ON SITE, UNLESS NOTED OTHERWISE.
7. WHEN AN EXISTING ITEM IS REMOVED (i.e. WINDOWS, DOORS, FRAMES, ETC.) THE CONTRACTOR SHALL ALSO REMOVE THE ACCOMPANYING SEALANT AND ALL ANCHORS. ALL SEALANT RESIDUE SHALL BE COMPLETELY REMOVED AND THE WALLS CLEANED AND REPAIRED TO MATCH ADJACENT WALL SURFACES.
8. ALL EXTRANEOUS ITEMS NOT REQUIRED SHALL BE REMOVED BY THE RESPECTIVE CONTRACTORS AND THE SURFACE PATCHED TO MATCH THE ADJACENT EXISTING AND / OR NEW FINISHES.
9. WHEN REMOVING EXISTING FINISHES, THE CONTRACTOR SHALL REMOVE ALL ASSOCIATED FASTENING MATERIALS, INCLUDING BUT NOT LIMITED TO MASTIC, ADHESIVE ANCHORS, ETC., AND PREPARE THE SUBSTRATE PER MANUFACTURER'S REQUIREMENTS FOR INSTALLATION OF NEW FINISHES.
10. CONTRACTORS SHALL PROTECT ALL FLOORS, WALLS, CEILINGS AND FURNISHINGS THROUGHOUT THE DEMOLITION WORK. ANY DAMAGES SHALL BE REPAIRED TO MATCH EXISTING CONDITIONS AT NO COST TO THE OWNER.
11. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO START OF REMOVAL ACTIVITIES. COORDINATE REMOVALS WITH SCOPE OF NEW CONSTRUCTIONS.
12. CONTRACTOR SHALL PROTECT ALL EXISTING EQUIPMENT AND UTILITIES INDICATED TO REMAIN DURING CONSTRUCTION ACTIVITIES. PROTECTION INCLUDES PLASTIC SHEETING, TEMPORARY COVERS, OR OTHER MEASURES REQUIRED BY OWNER.
13. MATERIAL REMOVED DURING DEMOLITION OPERATIONS SHALL BE DISPOSED OF IN ACCORDANCE WITH COMMONWEALTH OF NEW YORK AND CITY OF YONKERS REQUIREMENTS FOR CONSTRUCTION DEBRIS.
14. WHERE CONSTRUCTION IS INDICATED FOR DEMOLITION, REMOVE M.E.P. EQUIPMENT TO NEAREST TRUNK DUCT, MAIN PIPE OR JUNCTION BOX. COMPLY WITH REQUIREMENTS OF APPLICABLE CODES.
15. WHERE CONSTRUCTION OR EQUIPMENT INDICATED FOR REMOVAL IS ANCHORED TO BUILDING OR OTHER CONSTRUCTION TO REMAIN, REMOVE ANCHORING DEVICES IN THEIR ENTIRETY AND INFILL CONSTRUCTION TO MATCH. DO NOT CUT ANCHORING DEVICES AND LEAVE PORTIONS IN EXISTING CONSTRUCTION.
16. WHEN REMOVING EXISTING ASSEMBLIES, REMOVE ALL COMPONENTS INCLUDING FOUNDATIONS. REMOVE ALL LOOSE MATERIALS INCLUDING ADHESIVES & GROUT AND RENDER SUBSTRATE SUITABLE FOR THE INSTALLATION OF THE NEW CONSTRUCTION SPECIFIED.
17. REFER TO SPECIFICATIONS REGARDING PROTECTION OF EXISTING ITEMS AND THE PUBLIC.
18. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES, DELIVERIES, MATERIAL PICKS, SHUT DOWNS, ETC. WITH ALL LOCAL AUTHORITIES HAVING JURISDICTION.
19. ANY TEMPORARY EARTH RETENTION OR STRUCTURAL SUPPORT SYSTEM REQUIRED (INCLUDING, BUT NOT LIMITED TO, UNDERPINNING OF EXISTING BUILDING FOUNDATION/ EXTERIOR WALLS) SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND / OR SPECIALTY SUBCONTRACTOR HIRED BY THE CONTRACTOR.
20. REMOVE ALL PAINTING ON STRUCTURE, SUCH AS APPLIED SIGNAGE, AND RESTORE TO MATCH UNPAINTED SURFACE.
21. REFER TO SPECIFICATIONS FOR ADDITIONAL DEMOLITION INFORMATION.
22. CONTRACTOR TO NOTIFY CLIENT A MINIMUM OF 72 HOURS IN ADVANCE UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS, ANY SHUTDOWNS OF POWER, FIRE PANELS AND ALARMS, SECURITY CAMERAS, ETC.

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PROFESSIONAL SEAL

STATE OF NEW YORK · SUN HEE HWANG · 104953 · LICENSED PROFESSIONAL ENGINEER

CONSULTANT

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Pasadena, MD 21122
T: (410) 360-2280

PROJECT NO.
NBR20136.01

PROJECT

Yonkers GCG Restoration

PARKING GARAGE

118 New Main St,
Yonkers, NY 10701

SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

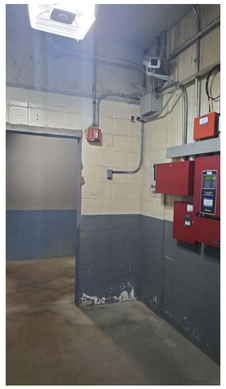
NO.	DESCRIPTION	DATE

NORTH

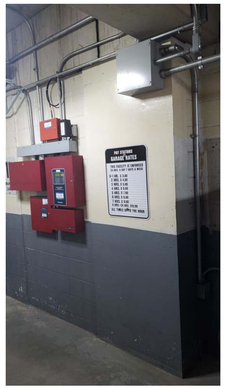
DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

SHEET TITLE:
GROUND TIER DEMOLITION PLAN

SHEET NO.
D0.1



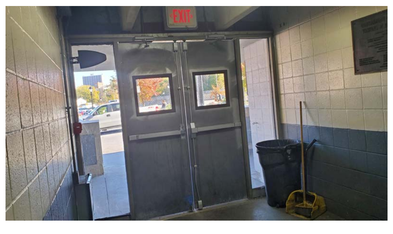
2 / D0.1A PHOTO 11
Not To Scale



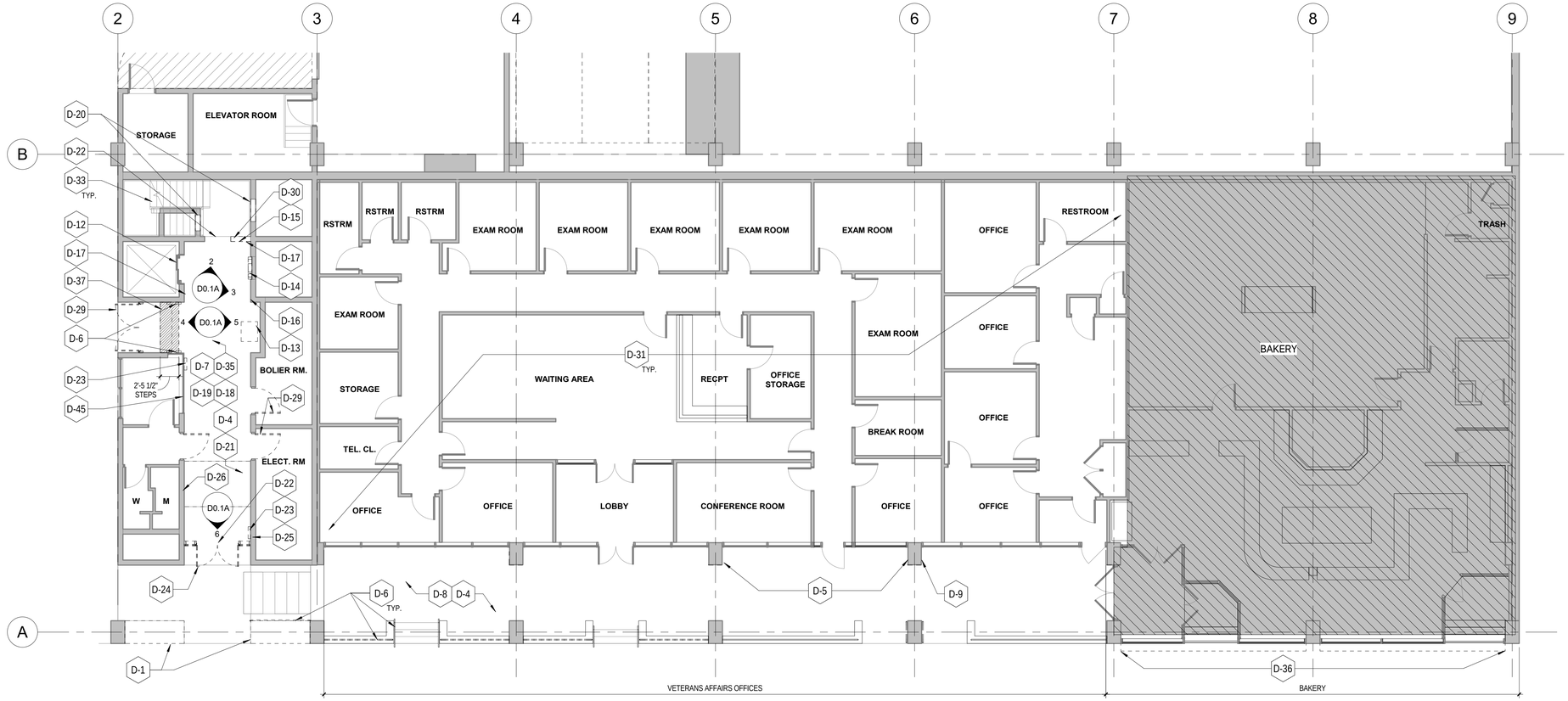
3 / D0.1A FIRE ALARM EQUIPMENT
Not To Scale

4 / D0.1A ENTRANCE TO MAIN LOBBY
Not To Scale

5 / D0.1A PAY ON FOOT MACHINE
Not To Scale



6 / D0.1A MAIN LOBBY ENTRANCE
Not To Scale



1 / D0.1A DM-GROUND TIER PARTIAL PLAN - LOBBY/VA OFFICES/BAKERY
1/8" = 1'-0"

DEMOLITION LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL OR ITEMS TO BE REMOVED.
- EXISTING DOOR TO REMAIN
- EXISTING DOOR, FRAME & HARDWARE TO BE REMOVED.
- EXISTING STRIPING TO BE REMOVED.
- D-1 — DEMOLITION KEYNOTE TAG
- 1 / D.1 — VIEW NUMBER / SHEET NUMBER (IMAGE INDICATOR)
- NOT IN CONTRACT

KEYNOTE DEMOLITION LEGEND		KEYNOTE DEMOLITION LEGEND	
D-1	DEMO KNEE WALL AT PEDESTRIAN ENTRANCE.	D-1	DEMO KNEE WALL AT PEDESTRIAN ENTRANCE.
D-4	PREPARE CORRIDOR CONCRETE FLOOR SURFACE TO RECEIVE NEW EPOXY FLOORING.	D-4	PREPARE CORRIDOR CONCRETE FLOOR SURFACE TO RECEIVE NEW EPOXY FLOORING.
D-5	REMOVE ALL INSULATED METAL PANEL CLADDING, PATCH AND REPAIR SUB-SURFACE AS REQUIRED TO RECEIVE NEW CLADDING. REMOVE AND STORE EXISTING SIGANGE FOR RE-INSTALLATION IN THE SAME LOCATION. COORDINATE ALL SECURITY AND ELECTRICAL DEVICES, JUNCTION BOXES, ETC. TO REMAIN WITH NEW CONSTRUCTION.	D-5	REMOVE ALL INSULATED METAL PANEL CLADDING, PATCH AND REPAIR SUB-SURFACE AS REQUIRED TO RECEIVE NEW CLADDING. REMOVE AND STORE EXISTING SIGANGE FOR RE-INSTALLATION IN THE SAME LOCATION. COORDINATE ALL SECURITY AND ELECTRICAL DEVICES, JUNCTION BOXES, ETC. TO REMAIN WITH NEW CONSTRUCTION.
D-6	REMOVE EXSTING PIPE GUARDRAIL IN ITS ENTIRETY, PATCH AND REPAIR AS REQUIRED TO RECEIVE NEW PIPE GUARDRAIL.	D-6	REMOVE EXSTING PIPE GUARDRAIL IN ITS ENTIRETY, PATCH AND REPAIR AS REQUIRED TO RECEIVE NEW PIPE GUARDRAIL.
D-7	REMOVE EXISTING CEILING LIGHTS IN ITS ENTIRETY, PATCH AND REPAIR CEILING STRUCTURE AS REQUIRED.	D-7	REMOVE EXISTING CEILING LIGHTS IN ITS ENTIRETY, PATCH AND REPAIR CEILING STRUCTURE AS REQUIRED.
D-8	REMOVE EXISTING EXTERIOR CEILING SYSTEM AND LIGHTING INCLUDING BUT NOT LIMITED TO SUPPORT SYSTEM UP TO THE EXISTING BLACK IRON. EXISTING BLACK IRON, HANGERS, ANCHORS, ETC. WITH GOOD STRUCTURAL INTEGRITY ARE TO REMAIN AND TO BE COORDINATED WITH NEW CONSTRUCTION.	D-8	REMOVE EXISTING EXTERIOR CEILING SYSTEM AND LIGHTING INCLUDING BUT NOT LIMITED TO SUPPORT SYSTEM UP TO THE EXISTING BLACK IRON. EXISTING BLACK IRON, HANGERS, ANCHORS, ETC. WITH GOOD STRUCTURAL INTEGRITY ARE TO REMAIN AND TO BE COORDINATED WITH NEW CONSTRUCTION.
D-9	REMOVE EXISTING TILE CLADDING AT BASE. PATCH AND REPAIR FOR NEW CONSTRUCTION.	D-9	REMOVE EXISTING TILE CLADDING AT BASE. PATCH AND REPAIR FOR NEW CONSTRUCTION.
D-12	REFER TO ELEVATOR MODERNIZATION SPECIFICATION FOR DEMOLITION AND REPLACEMENT OF ELEVATOR COMPONENTS.	D-12	REFER TO ELEVATOR MODERNIZATION SPECIFICATION FOR DEMOLITION AND REPLACEMENT OF ELEVATOR COMPONENTS.
D-13	RELOCATE EXISTING PAY STATION. REFER TO NEW CONSTRUCTION AND ELECTRICAL PLANS.	D-13	RELOCATE EXISTING PAY STATION. REFER TO NEW CONSTRUCTION AND ELECTRICAL PLANS.
D-14	RELOCATE EXISTING FIRE PANELS. REFER TO NEW CONSTRUCTION AND ELECTRICAL PLANS.	D-14	RELOCATE EXISTING FIRE PANELS. REFER TO NEW CONSTRUCTION AND ELECTRICAL PLANS.
D-15	RELOCATE EXISTING FIRE STROBE. REFER TO NEW CONSTRUCTION AND ELECTRICAL PLANS.	D-15	RELOCATE EXISTING FIRE STROBE. REFER TO NEW CONSTRUCTION AND ELECTRICAL PLANS.
D-16	EXISTING WIRE AND CONDUIT TO BE TRACED, REMOVED AND REPLACE WITH NEW AS REQUIRED FOR NEW CONTRUCTION. REFER TO ELECTRICAL DRAWINGS FOR FUTHTER INFORMATION.	D-16	EXISTING WIRE AND CONDUIT TO BE TRACED, REMOVED AND REPLACE WITH NEW AS REQUIRED FOR NEW CONTRUCTION. REFER TO ELECTRICAL DRAWINGS FOR FUTHTER INFORMATION.
D-17	EXISTING SECURITY CAMERA TO BE SALVAGED/RELOCATED PER NEW CONSTRUCTION. IF CAMERA IS NO LONGER IN OPPERATION, TURN THEM OVER TO THE CITY OF YONKERS ENGENEERING DEPARTMENT.	D-17	EXISTING SECURITY CAMERA TO BE SALVAGED/RELOCATED PER NEW CONSTRUCTION. IF CAMERA IS NO LONGER IN OPPERATION, TURN THEM OVER TO THE CITY OF YONKERS ENGENEERING DEPARTMENT.
D-18	EXISTING LIGHTING TO BE SALVAGED/RELOCATED PER NEW CONSTRUCTION.	D-18	EXISTING LIGHTING TO BE SALVAGED/RELOCATED PER NEW CONSTRUCTION.
D-19	PATCH AND REPAIR HOLES IN MASONRY. PREP FOR NEW FINISH. REFER TO NEW CONSTRUCTION.	D-19	PATCH AND REPAIR HOLES IN MASONRY. PREP FOR NEW FINISH. REFER TO NEW CONSTRUCTION.
D-20	REMOVE AND REPLACE ACCESS PANEL WITH NEW. PRIME AND PAINT. REFER TO NEW CONSTRUCTION	D-20	REMOVE AND REPLACE ACCESS PANEL WITH NEW. PRIME AND PAINT. REFER TO NEW CONSTRUCTION
D-21	ALL EXISTING SIGNAGE TO BE REMOVED AND TURNED OVER TO THE COY ENGINEERING DEPARTMENT	D-21	ALL EXISTING SIGNAGE TO BE REMOVED AND TURNED OVER TO THE COY ENGINEERING DEPARTMENT
D-22	REMOVE AND REPLACE EXIT SIGN WITH NEW. REFER TO NEW CONSTRUCTION.	D-22	REMOVE AND REPLACE EXIT SIGN WITH NEW. REFER TO NEW CONSTRUCTION.
D-23	REMOVE/REPLACE EXISTING CABINET HEATER IN KIND.	D-23	REMOVE/REPLACE EXISTING CABINET HEATER IN KIND.
D-24	REMOVE EXISTING DOOR STOREFRONT SYSTEM FOR NEW. REFER TO NEW CONSTRUCTION. PATCH AND PREP FOR NEW SYSTEM, REFER TO NEW CONSUTRUCTION.	D-24	REMOVE EXISTING DOOR STOREFRONT SYSTEM FOR NEW. REFER TO NEW CONSTRUCTION. PATCH AND PREP FOR NEW SYSTEM, REFER TO NEW CONSUTRUCTION.
D-25	REMOVE AND REINSTALL EXISTING PULL STATION FOR NEW CONSTRUCTION.	D-25	REMOVE AND REINSTALL EXISTING PULL STATION FOR NEW CONSTRUCTION.
D-26	EXISTING WALL PLAQUE TO BE FULLY PROTECTED FROM DAMAGE DURING DEMO AND NEW CONSTRUCTION.	D-26	EXISTING WALL PLAQUE TO BE FULLY PROTECTED FROM DAMAGE DURING DEMO AND NEW CONSTRUCTION.
D-29	EXISTING HOLLOW METAL DOOR AND FRAME TO BE REMOVED FOR REPLACEMENT WITH NEW DOOR TO MATCH SIZE AND FUNCTION. PATCH AND PREP FOR NEW DOOR, REFER TO NEW CONSTRUCTION.	D-29	EXISTING HOLLOW METAL DOOR AND FRAME TO BE REMOVED FOR REPLACEMENT WITH NEW DOOR TO MATCH SIZE AND FUNCTION. PATCH AND PREP FOR NEW DOOR, REFER TO NEW CONSTRUCTION.
D-30	REMOVE PORTION OF MASONRY WALL FOR NEW OPENING. PREP AND REPAIR OPENING FOR NEW CONSTRUCTION. REFER TO STRUCTURAL DRAWINGS.	D-30	REMOVE PORTION OF MASONRY WALL FOR NEW OPENING. PREP AND REPAIR OPENING FOR NEW CONSTRUCTION. REFER TO STRUCTURAL DRAWINGS.
D-31	REMOVE EXISTING CEILING SYSTEM FOR REINSTALLATION. REPLACE EXISTING DAMAGED ACOUSTICAL CEILING TILES TO MATCH. TO BE COORDINATED WITH MECHANICAL SCOPE. REFER TO MECHANICAL DRAWINGS. REFER TO SHEET A0.1A FOR PHASING PLAN.	D-31	REMOVE EXISTING CEILING SYSTEM FOR REINSTALLATION. REPLACE EXISTING DAMAGED ACOUSTICAL CEILING TILES TO MATCH. TO BE COORDINATED WITH MECHANICAL SCOPE. REFER TO MECHANICAL DRAWINGS. REFER TO SHEET A0.1A FOR PHASING PLAN.
D-33	METAL PAN STAIRS TO BE SCRAPED AND PREPPED FOR NEW FINISH. REFER TO STRUCTURE DRAWINGS FOR FUTHER INFORMATION.	D-33	METAL PAN STAIRS TO BE SCRAPED AND PREPPED FOR NEW FINISH. REFER TO STRUCTURE DRAWINGS FOR FUTHER INFORMATION.
D-35	REMOVE ALL EXISTING SIGNS THROUGHOUT AND COORDINATE WITH NEW.	D-35	REMOVE ALL EXISTING SIGNS THROUGHOUT AND COORDINATE WITH NEW.
D-36	REMOVE EXISTING AWNING SYSTEM ABOVE FOR REINSTALLATION IN NEW CONSTRUCTION.	D-36	REMOVE EXISTING AWNING SYSTEM ABOVE FOR REINSTALLATION IN NEW CONSTRUCTION.
D-37	REMOVE CONCRETE STEPS AND PORTION OF CONCRETE PLATFORM DOWN TO THE EXISTING GROUND FLOOR. REFER TO THE PLANS.	D-37	REMOVE CONCRETE STEPS AND PORTION OF CONCRETE PLATFORM DOWN TO THE EXISTING GROUND FLOOR. REFER TO THE PLANS.
D-45	EXISTING SECURITY WINDOW TO REMAIN. GC TO PROTECT DURING CONSTRUCTION.	D-45	EXISTING SECURITY WINDOW TO REMAIN. GC TO PROTECT DURING CONSTRUCTION.

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PROJECT NO.
NBR20136.01

PROJECT

Yonkers GCG Restoration

PARKING GARAGE

118 New Main St,
Yonkers, NY 10701

SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

NORTH

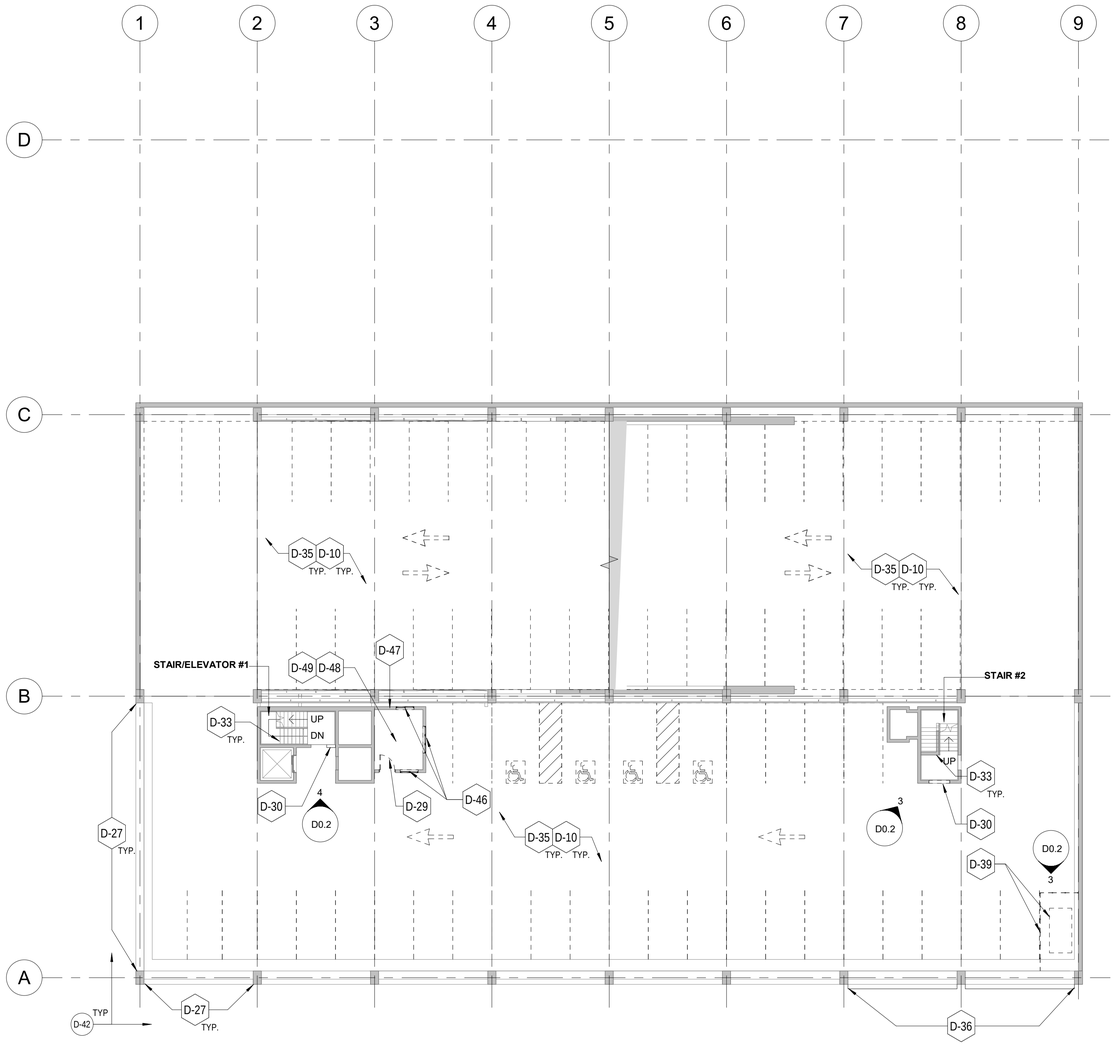
DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

SHEET TITLE:

GROUND TIER ENTRY LOBBY DEMO PLAN

SHEET NO.

D0.1A

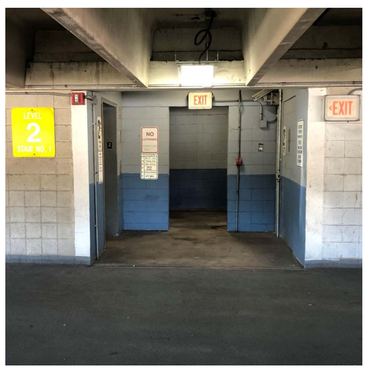


1 D0.2 2ND TIER DEMOLITION PLAN
1/16" = 1'-0"

KEYNOTE DEMOLITION LEGEND	
D-10	EXISTING CONCRETE WALLS, CMU WALLS AND UNDERSIDE OF STRUCTURAL TEES TO BE POWERWASHED THROUGHOUT THE ENTIRE TIER, TYP. REFER TO THE STRUCTURAL/RESTORATIONS DRAWINGS AND COORDINATE.
D-27	REMOVE EXISTING BIRD NETTING TO BE REINSTALLED DURING NEW CONSTRUCTION.
D-29	EXISTING HOLLOW METAL DOOR AND FRAME TO BE REMOVED FOR REPLACEMENT WITH NEW DOOR TO MATCH SIZE AND FUNCTION. PATCH AND PREP FOR NEW DOOR, REFER TO NEW CONSTRUCTION.
D-30	REMOVE PORTION OF MASONRY WALL FOR NEW OPENING. PREP AND REPAIR OPENING FOR NEW CONSTRUCTION. REFER TO STRUCTURAL DRAWINGS.
D-33	METAL PAN STAIRS TO BE SCRAPED AND PREPPED FOR NEW FINISH. REFER TO STRUCTURE DRAWINGS FOR FUTHER INFORMATION.
D-35	REMOVE ALL EXISTING SIGNS THROUGHOUT AND COORDINATE WITH NEW.
D-36	REMOVE EXISTING AWNING SYSTEM ABOVE FOR REINSTALLATION IN NEW CONSTRUCTION.
D-39	REMOVE EXISTING MECHANICAL UNITS, EQUIPMENT PADS AND CAGE IN ITS ENTIRETY, PATCH AND REPAIR EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION INCLUDING BUT NOR LIMITED TO CURB. REFER TO MEP DRAWINGS FOR FURTHER COORDINATION.
D-42	ALL EXTERIOR SIGNAGE TO BE REMOVED WITHOUT DAMAGE FOR REINSTALLATION IN NEW CONSTRUCTION.
D-46	REMOVE EXISTING WINDOW IN ITS ENTIRETY. PREP OPENING TO BE INFILLED WITH MASONRY TO MATCH EXISTING.
D-47	REMOVE EXISTING WALL AC UNIT FOR NEW. COORDINATE WITH NEW HVAC UNIT AND INFILL WALL TO MATCH CURRENT WALL TYPE.
D-48	REMOVE ALL EXISTING CONTENTS WITHOUT DAMAGE AND STORE THEM WITHIN THE VA OFFICES AT THE GROUND FLOOR UNTIL ALL FINISH WORK IS COMPLETED. GC TO COORDINATE WITH THE VA AND PLACE ALL CONTENTS BACK AFTER NEW WORK IS COMPLETED.
D-49	REMOVE EXISTING LIGHT FIXTURES FOR NEW.

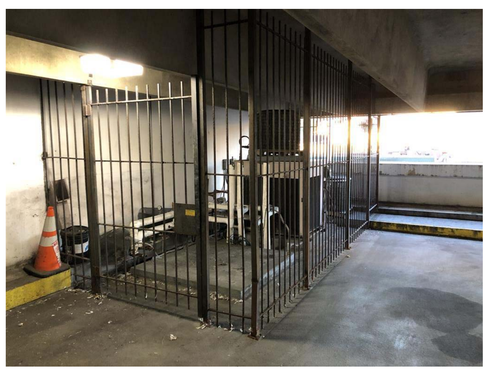
DEMOLITION LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL OR ITEMS TO BE REMOVED.
- EXISTING DOOR TO REMAIN
- EXISTING DOOR, FRAME & HARDWARE TO BE REMOVED.
- EXISTING STRIPING TO BE REMOVED.
- D-1 DEMOLITION KEYNOTE TAG
- 1 / D.1 VIEW NUMBER / SHEET NUMBER (IMAGE INDICATOR)
- NOT IN CONTRACT

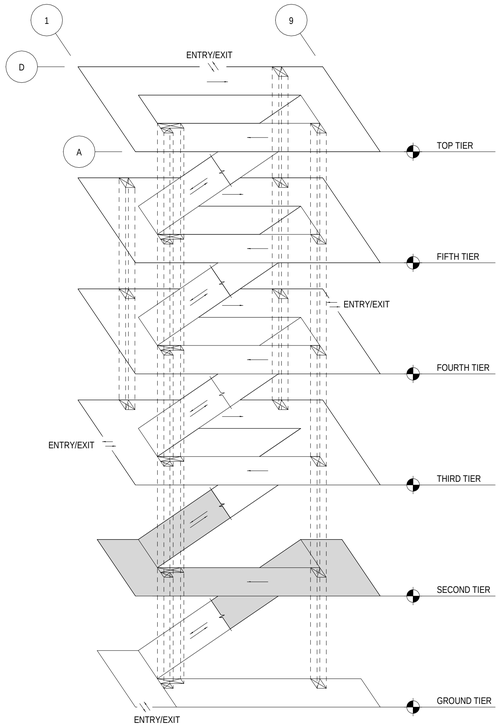


4 D0.2 STAIR/ELEVATION #1 ENTRY
Not To Scale

3 D0.2 STAIR #2
Not To Scale



2 D0.2 MECHANICAL UNITS
Not To Scale



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PARKING GARAGE

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BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

NORTH

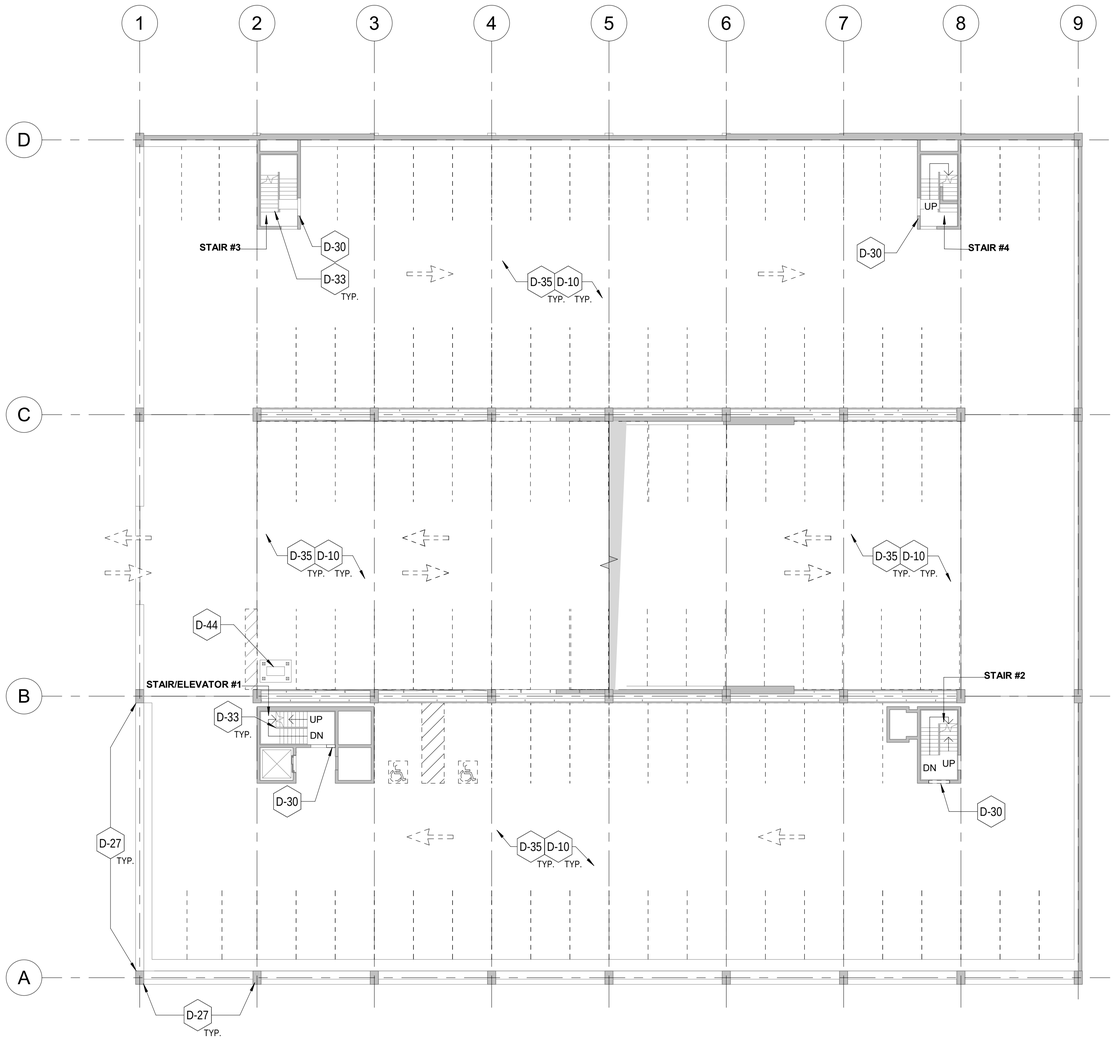
DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

SHEET TITLE:

2ND TIER DEMOLITION PLAN

SHEET NO.

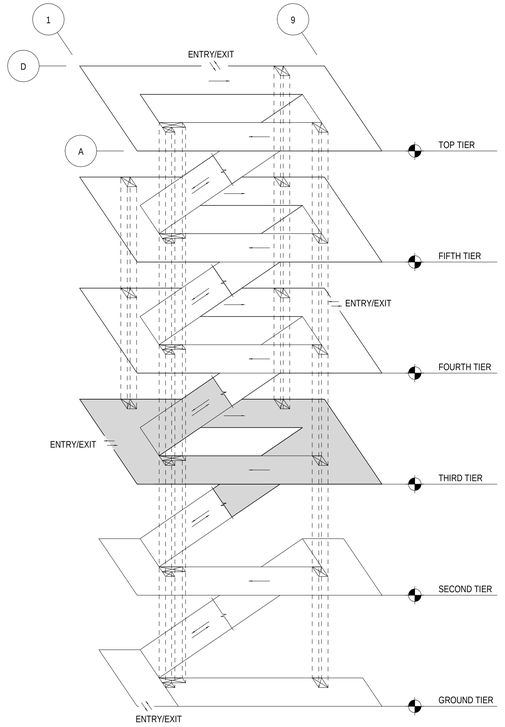
D0.2



1 D0.3 3RD TIER DEMOLITION PLAN
1/16" = 1'-0"

KEYNOTE DEMOLITION LEGEND	
D-10	EXISTING CONCRETE WALLS, CMU WALLS AND UNDERSIDE OF STRUCTURAL TEES TO BE POWERWASHED THROUGHOUT THE ENTIRE TIER, TYP. REFER TO THE STRUCTURAL/RESTORATIONS DRAWINGS AND COORDINATE.
D-27	REMOVE EXISTING BIRD NETTING TO BE REINSTALLED DURING NEW CONSTRUCTION.
D-30	REMOVE PORTION OF MASONRY WALL FOR NEW OPENING. PREP AND REPAIR OPENING FOR NEW CONSTRUCTION. REFER TO STRUCTURAL DRAWINGS.
D-33	METAL PAN STAIRS TO BE SCRAPED AND PREPPED FOR NEW FINISH. REFER TO STRUCTURE DRAWINGS FOR FUTHER INFORMATION.
D-35	REMOVE ALL EXISTING SIGNS THROUGHOUT AND COORDINATE WITH NEW.
D-44	PAY ON FOOT MACHINE AND CONCRETE PAD TO REMAIN. CONTRACTOR TO PROTECT FROM ANY DAMAGE DURING CONSTRUCTION.

DEMOLITION LEGEND	
	EXISTING WALL TO REMAIN
	EXISTING WALL OR ITEMS TO BE REMOVED.
	EXISTING DOOR TO REMAIN
	EXISTING DOOR, FRAME & HARDWARE TO BE REMOVED.
	EXISTING STRIPING TO BE REMOVED.
D-1	DEMOLITION KEYNOTE TAG
1 / D.1	VIEW NUMBER / SHEET NUMBER (IMAGE INDICATOR)
	NOT IN CONTRACT



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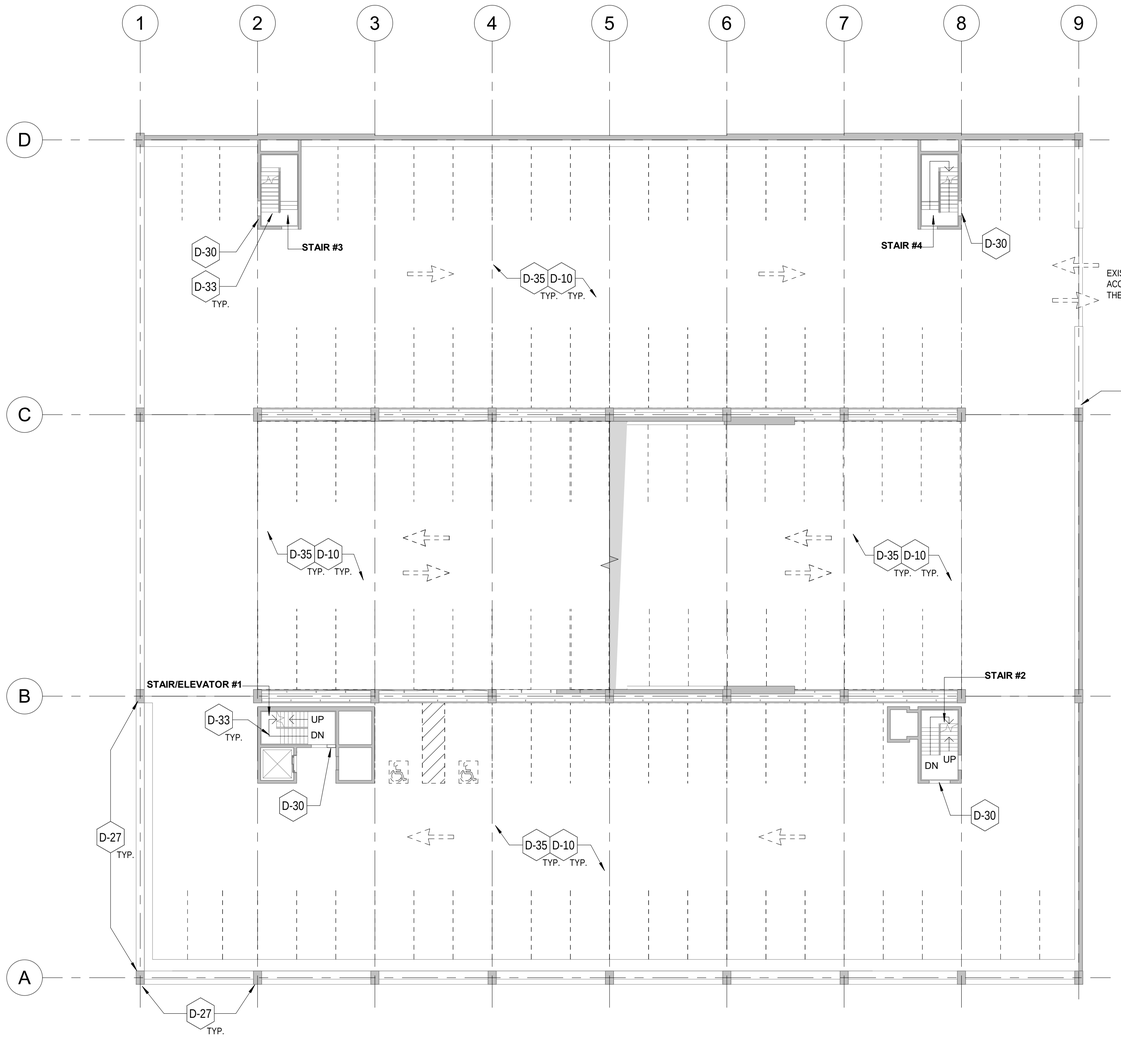
SHEET TITLE:

3RD TIER DEMOLITION PLAN

SHEET NO.

D0.3

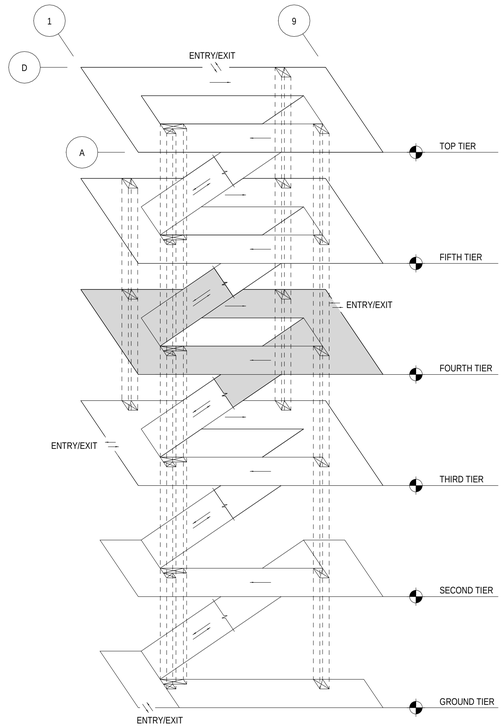


1 D0.4 4TH TIER DEMOLITION PLAN
1/16" = 1'-0"

2 D0.4 OVERGROWN VEGETATION
Not To Scale

KEYNOTE DEMOLITION LEGEND	
D-10	EXISTING CONCRETE WALLS, CMU WALLS AND UNDERSIDE OF STRUCTURAL TEES TO BE POWERWASHED THROUGHOUT THE ENTIRE TIER, TYP. REFER TO THE STRUCTURAL/RESTORATIONS DRAWINGS AND COORDINATE.
D-27	REMOVE EXISTING BIRD NETTING TO BE REINSTALLED DURING NEW CONSTRUCTION.
D-30	REMOVE PORTION OF MASONRY WALL FOR NEW OPENING. PREP AND REPAIR OPENING FOR NEW CONSTRUCTION. REFER TO STRUCTURAL DRAWINGS.
D-32	REMOVE OVERGROWN VEGETATION.
D-33	METAL PAN STAIRS TO BE SCRAPED AND PREPPED FOR NEW FINISH. REFER TO STRUCTURE DRAWINGS FOR FUTHER INFORMATION.
D-35	REMOVE ALL EXISTING SIGNS THROUGHOUT AND COORDINATE WITH NEW.

DEMOLITION LEGEND	
	EXISTING WALL TO REMAIN
	EXISTING WALL OR ITEMS TO BE REMOVED.
	EXISTING DOOR TO REMAIN
	EXISTING DOOR, FRAME & HARDWARE TO BE REMOVED.
	EXISTING STRIPING TO BE REMOVED.
D-1	DEMOLITION KEYNOTE TAG
1 / D.1	VIEW NUMBER / SHEET NUMBER (IMAGE INDICATOR)
	NOT IN CONTRACT



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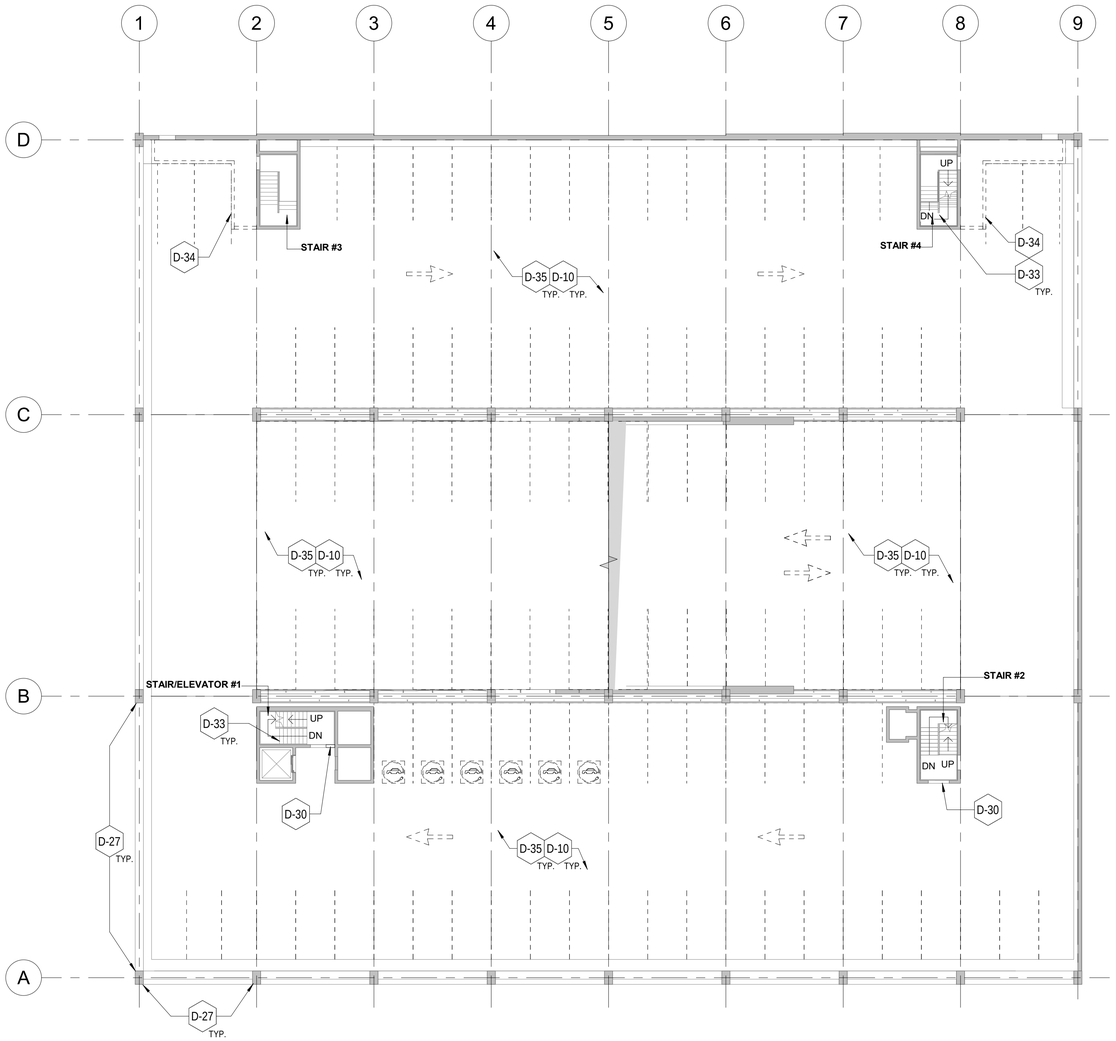
SHEET TITLE:

4TH TIER DEMOLITION PLAN

SHEET NO.

D0.4

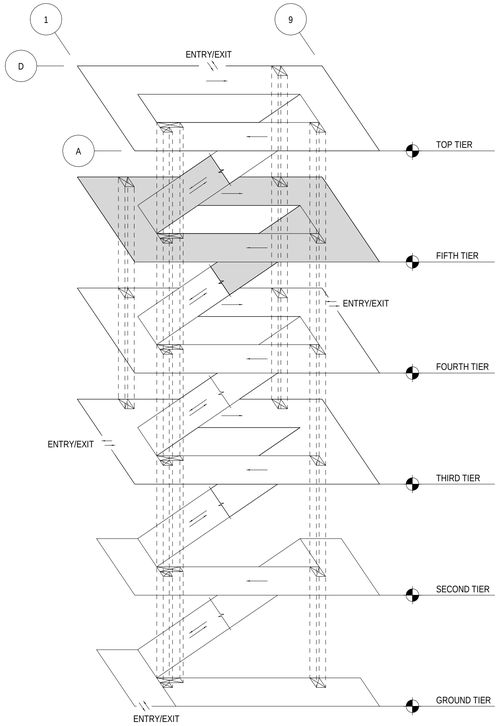


1 D0.5 5TH TIER DEMOLITION PLAN
1/16" = 1'-0"

KEYNOTE DEMOLITION LEGEND	
D-10	EXISTING CONCRETE WALLS, CMU WALLS AND UNDERSIDE OF STRUCTURAL TEES TO BE POWERWASHED THROUGHOUT THE ENTIRE TIER, TYP. REFER TO THE STRUCTURAL/RESTORATIONS DRAWINGS AND COORDINATE.
D-27	REMOVE EXISTING BIRD NETTING TO BE REINSTALLED DURING NEW CONSTRUCTION.
D-30	REMOVE PORTION OF MASONRY WALL FOR NEW OPENING. PREP AND REPAIR OPENING FOR NEW CONSTRUCTION. REFER TO STRUCTURAL DRAWINGS.
D-33	METAL PAN STAIRS TO BE SCRAPED AND PREPPED FOR NEW FINISH. REFER TO STRUCTURE DRAWINGS FOR FUTHER INFORMATION.
D-34	DEMO EXISTING MASONRY WALL. PATCH AND REPAIR AS REQUIRED.
D-35	REMOVE ALL EXISTING SIGNS THROUGHOUT AND COORDINATE WITH NEW.

DEMOLITION LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL OR ITEMS TO BE REMOVED.
- EXISTING DOOR TO REMAIN
- EXISTING DOOR, FRAME & HARDWARE TO BE REMOVED.
- EXISTING STRIPING TO BE REMOVED.
- D-1 — DEMOLITION KEYNOTE TAG
- 1 / D.1 — VIEW NUMBER / SHEET NUMBER (IMAGE INDICATOR)
- NOT IN CONTRACT



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BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

NORTH

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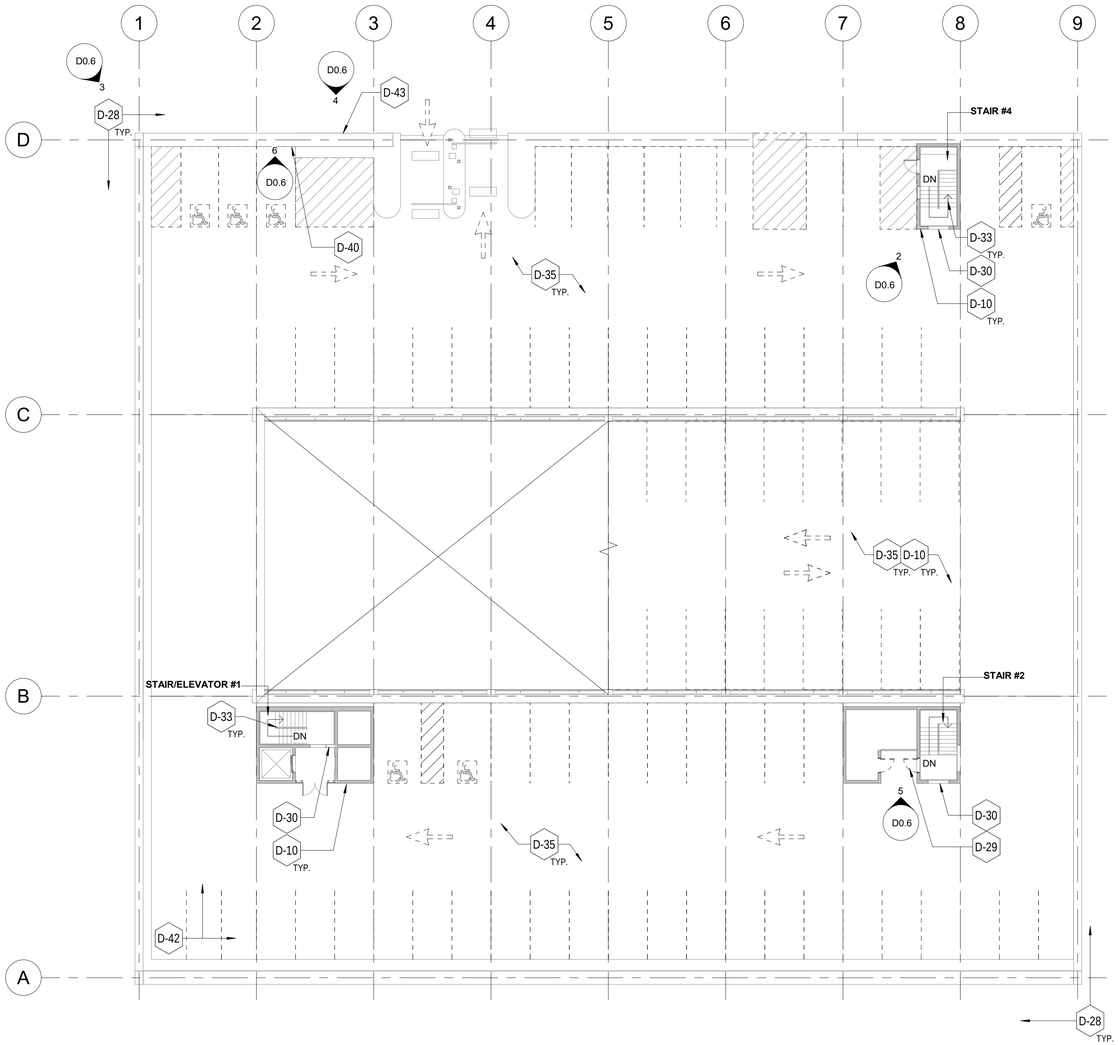
REVIEWED: RP
DATE: 04/11/2022

SHEET TITLE:

5TH TIER DEMOLITION PLAN

SHEET NO.

D0.5



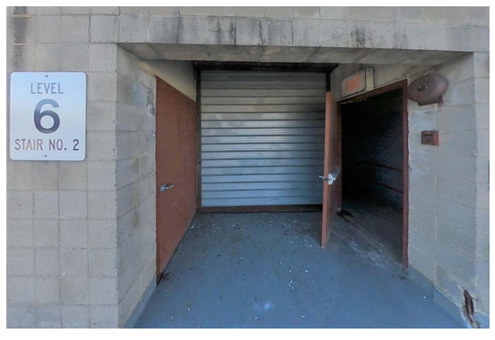
1 D0.6 TOP TIER DEMOLITION PLAN
1/16" = 1'-0"

KEYNOTE DEMOLITION LEGEND	
D-10	EXISTING CONCRETE WALLS, CMU WALLS AND UNDERSIDE OF STRUCTURAL TEES TO BE POWERWASHED THROUGHOUT THE ENTIRE TIER, TYP. REFER TO THE STRUCTURAL/RESTORATIONS DRAWINGS AND COORDINATE.
D-28	POWERWASH ENTIRE CONCRETE EXTERIOR OF THE GARAGE AND PAINT EXISTING CONCRETE SURFACES - COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS FULL RANGE OF COLOR.
D-29	EXISTING HOLLOW METAL DOOR AND FRAME TO BE REMOVED FOR REPLACEMENT WITH NEW DOOR TO MATCH SIZE AND FUNCTION. PATCH AND PREP FOR NEW DOOR, REFER TO NEW CONSTRUCTION.
D-30	REMOVE PORTION OF MASONRY WALL FOR NEW OPENING. PREP AND REPAIR OPENING FOR NEW CONSTRUCTION. REFER TO STRUCTURAL DRAWINGS.
D-33	METAL PAN STAIRS TO BE SCRAPED AND PREPPED FOR NEW FINISH. REFER TO STRUCTURE DRAWINGS FOR FUTHER INFORMATION.
D-35	REMOVE ALL EXISTING SIGNS THROUGHOUT AND COORDINATE WITH NEW.
D-40	REMOVE EXISTING DAMAGED LOUVER. REPLACE WITH NEW TO MATCH.
D-42	ALL EXTERIOR SIGNAGE TO BE REMOVED WITHOUT DAMAGE FOR REINSTALLATION IN NEW CONSTRUCTION.
D-43	REMOVE OVERGROWN VEGETATION. REPAIR LOUVER IF NECESSARY.

2 D0.6 TOP TIER STAIR TOWER #4
Not To Scale

3 D0.6 ENTRY TO 5TH TIER STAIR #3
Not To Scale

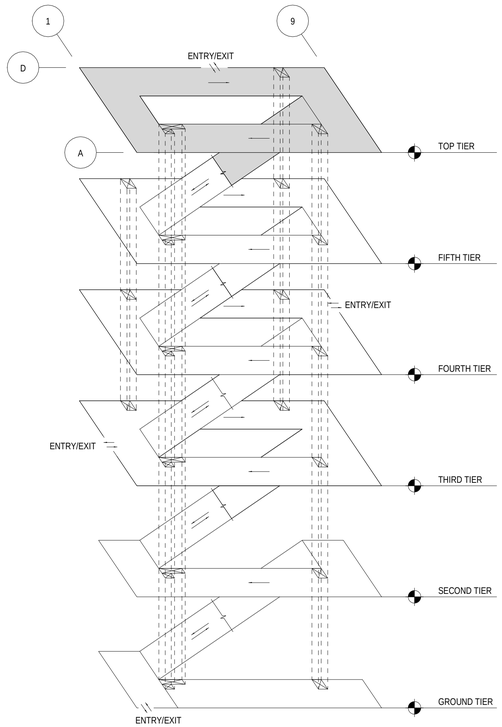
6 D0.6 DAMAGE LOUVER
Not To Scale



5 D0.6 TOP TIER STAIR #2 ENTRY
Not To Scale

4 D0.6 OVERGROWN VEGETATION INTO LOUVER
Not To Scale

DEMOLITION LEGEND	
	EXISTING WALL TO REMAIN
	EXISTING WALL OR ITEMS TO BE REMOVED.
	EXISTING DOOR TO REMAIN
	EXISTING DOOR, FRAME & HARDWARE TO BE REMOVED.
	EXISTING STRIPING TO BE REMOVED.
D-1	DEMOLITION KEYNOTE TAG
1 / D.1	VIEW NUMBER / SHEET NUMBER (IMAGE INDICATOR)
	NOT IN CONTRACT



ISOMETRIC - TOP

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PROJECT NO.
NBR20136.01

PROJECT

Yonkers GCG Restoration

PARKING GARAGE

118 New Main St,
Yonkers, NY 10701

SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

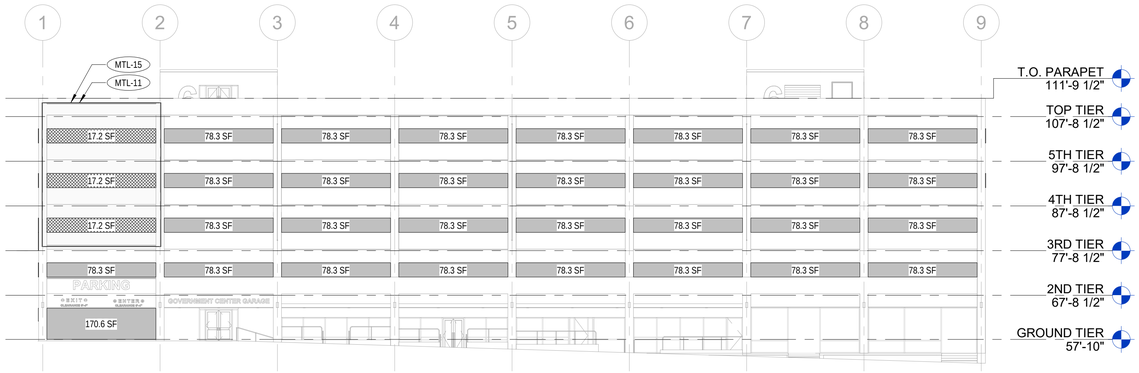
NORTH

SHEET TITLE:
TOP TIER DEMOLITION PLAN

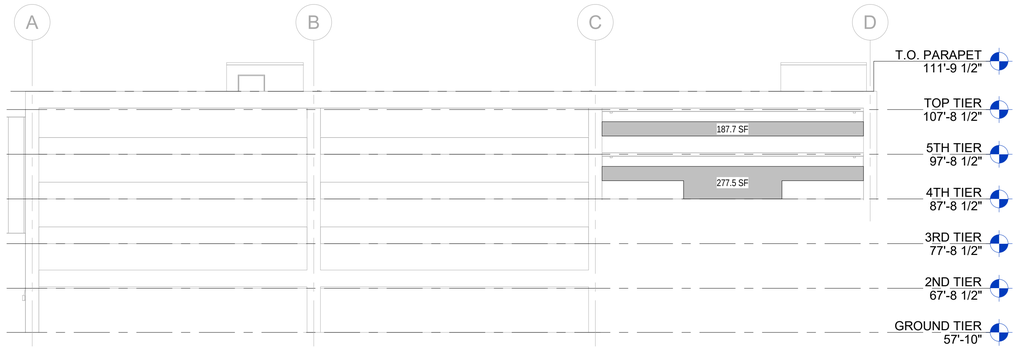
SHEET NO.
D0.6

EXISTING OPENNESS CALCULATIONS								
	OPEN AREA CALCULATIONS				DISTRIBUTION OF OPENINGS CALCULATIONS			
	TOTAL WALL AREA (SF)	REQ'D SF OPEN (20% OF TOTAL)	PROVIDED SF OPEN	PROVIDED REQ'D	TOTAL LEVEL PERIMETER	REQ'D LN FT OPEN (40% OF TOTAL)	TOTAL LEVEL PERIMETER	PROVIDED REQ'D
5TH TIER	8,050 SF	1,610 SF	1,387 SF	DOES NOT COMPLY	805'-0"	322'-0"	432'-3"	COMPLIES
4TH TIER	8,050 SF	1,610 SF	1,477 SF	DOES NOT COMPLY	805'-0"	322'-0"	432'-3"	COMPLIES
3RD TIER	8,050 SF	1,610 SF	1,289 SF	DOES NOT COMPLY	805'-0"	322'-0"	373'-9"	COMPLIES
2ND TIER	6,843 SF	1,369 SF	819 SF	DOES NOT COMPLY	684'-4"	273'-9"	255'-4"	DOES NOT COMPLY
GROUND TIER	7,944 SF	1,589 SF	345 SF	DOES NOT COMPLY	684'-4"	273'-9"	84'-5"	DOES NOT COMPLY

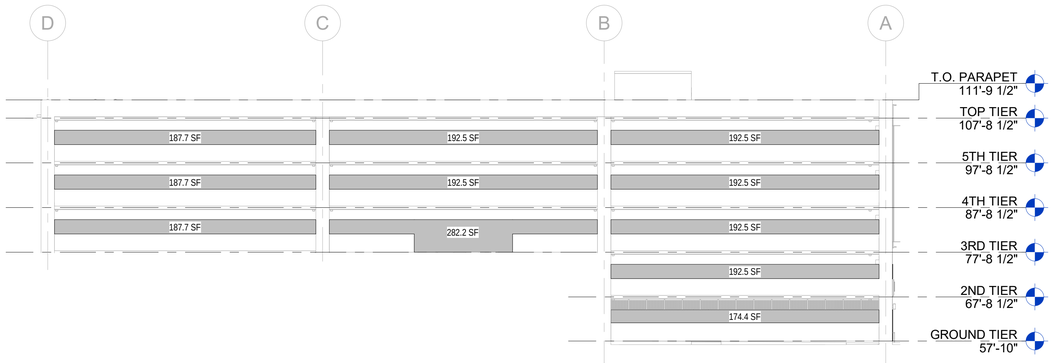
PROPOSED OPENNESS CALCULATIONS								
	OPEN AREA CALCULATIONS				DISTRIBUTION OF OPENINGS CALCULATIONS			
	TOTAL WALL AREA (SF)	REQ'D SF OPEN (20% OF TOTAL)	PROVIDED SF OPEN	PROVIDED REQ'D	TOTAL LEVEL PERIMETER	REQ'D LN FT OPEN (40% OF TOTAL)	TOTAL LEVEL PERIMETER	PROVIDED REQ'D
5TH TIER	8,050 SF	1,610 SF	1,326 SF	DOES NOT COMPLY	805'-0"	322'-0"	432'-3"	COMPLIES
4TH TIER	8,050 SF	1,610 SF	1,416 SF	DOES NOT COMPLY	805'-0"	322'-0"	432'-3"	COMPLIES
3RD TIER	8,050 SF	1,610 SF	1,228 SF	DOES NOT COMPLY	805'-0"	322'-0"	373'-9"	COMPLIES
2ND TIER	6,843 SF	1,369 SF	819 SF	DOES NOT COMPLY	684'-4"	273'-9"	255'-4"	DOES NOT COMPLY
GROUND TIER	7,944 SF	1,589 SF	345 SF	DOES NOT COMPLY	684'-4"	273'-9"	84'-5"	DOES NOT COMPLY



1 A0.1 EAST ELEVATION - OPENNESS ANALYSIS
1/16" = 1'-0"



2 A0.1 NORTH ELEVATION - OPENNESS ANALYSIS
1/16" = 1'-0"



3 A0.1 SOUTH ELEVATION - OPENNESS ANALYSIS
1/16" = 1'-0"

FINISH LEGEND	
MTL-11	ADD ALTERNATE #2: PVDF COATED POLYESTER MESH WITH GRAPHICS. IMAGE TO BE DETERMINED BY THE CITY OF YONKERS. INSTALLATION AS PER MANUFACTURER SPECS. ALL CONNECTIONS SHALL BE PERFORMANCE DESIGNED TO RESIST THE APPLICABLE LOADS. SUBMIT CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF NEW YORK, FOR APPROVAL PRIOR TO ANY FABRICATION. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION. REFER TO NOTE MTL-15 FOR ADD ALTERNATE TO PVDF COATED POLYSTER MESH.
MTL-15	BASE DESIGN: 26'X16' LED DIGITAL SCREEN (HATCHED AREA). BOD: SNA DISPLAYS - SNA 10mm XS/6000 NIT/OPTION. STRUCTURAL SUBFRAME SUPPORT, CONNECTIONS & MOUNTING DETAILS TO BE COORDINATED WITH SELECTED SCREEN MANUFACTURER. ALL CONNECTIONS SHALL BE PERFORMANCE DESIGNED TO RESIST THE APPLICABLE LOADS. SUBMIT CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF NEW YORK, FOR APPROVAL PRIOR TO ANY FABRICATION. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION.ELECTRICAL PANEL UPGRADES HAVE BEEN PROVIDED IN THE BASE ELECTRICAL SCOPE. REFER TO ELECTRICAL RISER DIAGRAM DRAWING FOR FURTHER INFORMATION.

OPENNESS LEGEND	
	#% SCRIM MATERIAL
	100% OPENING

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NO.	DESCRIPTION	DATE

DRAWN: JC/VLJ
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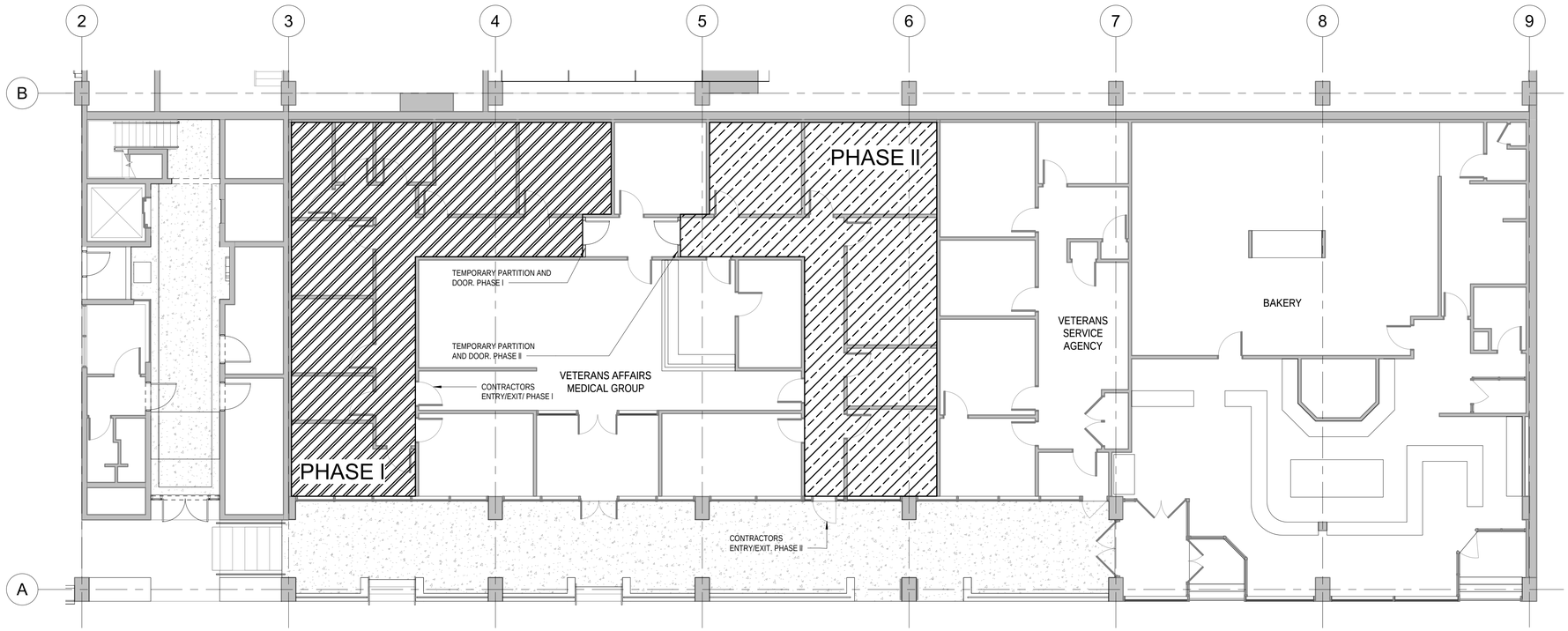
NORTH

SHEET TITLE:
OPENNESS CALCULATIONS

SHEET NO.
A0.1



1 A0.1A ARCHITECTURAL PLAN - GROUND TIER
1/8" = 1'-0"

DEMOLITION NOTES

1. DO NOT CONSIDER DEMOLITION AND ALTERATION NOTES TO BE ALL-INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT AND ASSESS EACH SPACE AND TO FULFILL THE INTENT OF THE WORK INDICATED BY THE CONTRACT DOCUMENTS. VERIFY EXTENT OF ALL DEMOLITION WITHIN THE CONTRACT LIMITS. BRING DEVIATIONS FROM THE CONTRACT DOCUMENTS NECESSITATED BY FIELD CONDITIONS TO THE ATTENTION OF THE ARCHITECT. THE EXTENT OF DEMOLITION AND REMOVAL WORK IS SHOWN ON THE DRAWINGS AND INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, THE FOLLOWING ITEMS LISTED BELOW:
2. CAP OFF AND REROUTE UTILITIES AS REQUIRED TO MAINTAIN EXISTING SERVICES AND SYSTEMS; COMPLY WITH APPLICABLE CODES AND REGULATIONS.
3. DISPOSAL OF MATERIALS: REMOVE ALL DEBRIS, TRASH AND NON-SALVAGEABLE ITEMS FROM SITE IN MANNER ACCEPTABLE TO OWNER; DISPOSE OF OFF-SITE IN LEGAL MANNER.
4. WHERE EXISTING CEILINGS ARE SCHEDULED TO REMAIN, REMOVE EXISTING CEILINGS ONLY TO EXTENT SHOWN OR REQUIRED TO ACCOMMODATE HVAC, PLUMBING, ELECTRICAL, OR OTHER WORK. REMOVE SUSPENDED ACOUSTIC TILE CEILINGS AS INDICATED. REPAIR ANY DAMAGE TO CEILINGS CAUSED BY NEW WORK.
5. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.
6. IN ALL AREAS SCHEDULED TO RECEIVE NEW FINISHES, REMOVE EXISTING APPLIED FINISHES, BUMPER GUARDS, HANDRAILS, APPLIED BASE...ETC.
7. REFER TO ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK. WHERE SUCH WORK OCCURS, ARCHITECTURAL ITEMS AND FINISHES SHALL BE REMOVED ONLY TO THE EXTENT REQUIRED.
8. CONTRACTOR IS TO PROVIDE ALL NECESSARY SHORING AND BRACING TO SUPPORT EXISTING STRUCTURE UNTIL PERMANENT SUPPORTS ARE ERECTED. TAKE ALL NECESSARY MEASURES TO PREVENT COLLAPSE OF WALLS, SLABS, ETC.
9. CONSTRUCTION TO REMAIN SHALL BE FULLY PROTECTED FROM DAMAGE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE AND SHALL MAKE REPAIRS REQUIRED WITHOUT ADDITIONAL COST TO THE OWNER.
10. NOTIFY THE ARCHITECT IF UNDOCUMENTED STRUCTURAL MEMBERS ARE UNCOVERED DURING THE COURSE OF DEMOLITION. KEEP ARCHITECT NOTIFIED OF PROGRESS.
11. CONTRACTOR IS TO COORDINATE ALL INDICATED DEMOLITION WITH NEW CONSTRUCTION TO INSURE PROPER LOCATION AND DIMENSION OF DEMOLISHED AREAS. INFORM ARCHITECT OF ANY DISCREPANCIES.
12. INCLUDED IN SCOPE IS ANY WORK REQUIRED TO BE DONE IN ADJACENT SPACES, NEXT, ABOVE OR BELOW DEMOLITION AREAS, INCLUDING BUT NOT LIMITED TO ACCESSING OR REROUTING UTILITIES. EXISTING CONDITIONS TO REMAIN ARE TO BE PROTECTED FROM DAMAGE.
13. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.
14. IN ALL AREAS SCHEDULED TO RECEIVE NEW FINISHES, REMOVE EXISTING APPLIED FINISHES, BUMPER GUARDS, HANDRAILS, APPLIED BASE...ETC.
15. REFER TO ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK. WHERE SUCH WORK OCCURS, ARCHITECTURAL ITEMS AND FINISHES SHALL BE REMOVED ONLY TO THE EXTENT REQUIRED.
16. CONTRACTOR IS TO PROVIDE ALL NECESSARY SHORING AND BRACING TO SUPPORT EXISTING STRUCTURE UNTIL PERMANENT SUPPORTS ARE ERECTED. TAKE ALL NECESSARY MEASURES TO PREVENT COLLAPSE OF WALLS, SLABS, ETC.
17. CONSTRUCTION TO REMAIN SHALL BE FULLY PROTECTED FROM DAMAGE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE AND SHALL MAKE REPAIRS REQUIRED WITHOUT ADDITIONAL COST TO THE OWNER.
18. ALL DEMOLITION WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL ORDINANCES AND BUILDING CODES.
19. EXISTING WALL FINISHES TO REMAIN INTACT, EXCEPT AS OTHERWISE NOTED. WHERE DAMAGE IS INCURRED, OR PATCHING IS REQUIRED DUE TO DEMOLITION, PROVIDE NEW FINISH TO MATCH EXISTING SURFACE, FLUSH WITH EXISTING.
20. CONTRACTOR IS RESPONSIBLE FOR INSPECTION, REMEDIATION, AND DISPOSAL OF ALL HAZARDOUS MATERIALS
21. CONTRACTOR SHALL MINIMIZE DISRUPTION OF EXISTING PATIENT SERVICES AND ENSURE A SAFE ENVIRONMENT IN PATIENT CARE AREAS.
22. RENOVATION AREAS SHALL BE ISOLATED FROM OCCUPIED AREAS DURING CONSTRUCTION USING TEMPORARY WALLS. EXHAUST AIRFLOW SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE PRESSURE IN THE CONSTRUCTION ZONE.
23. EXISTING AIR QUALITY REQUIREMENTS AND OTHER UTILITY REQUIREMENTS FOR OCCUPIED AREAS SHALL BE MAINTAINED.
24. MAINTAIN INTEGRITY OF ALL EXISTING FIRE PROOFING ON ALL STRUCTURAL BEAMS, COLUMNS AND PENETRATIONS. REPAIR AS REQUIRED WHEN DAMAGED IN COURSE OF WORK.
25. STORE ALL FIRE EXTINGUISHERS TO BE REMOVED FOR RE-INSTALLATION.
26. CONTRACTOR SHALL WORK W/ VETERANS AFFAIRS INFECTION CONTROL REPRESENTATIVE AS NECESSARY TO CONFIRM TEMPORARY PARTITION LOCATIONS, ETC.
27. THE CONTRACTOR SHALL IMPLEMENT ICRA SPECIFIC REQUIREMENTS DURING CONSTRUCTION AS OUTLINED IN CHAPTER 5 OF THE AIA GUIDELINES FOR DESIGN AND CONSTRUCTION OF HOSPITAL AND HEALTH CARE FACILITIES.

ICRA NOTES

1. ALL DELIVERY AND REMOVAL OF MATERIALS/DEBRIS ARE TO BE SCHEDULED BETWEEN THE TIMES OF 7:00AM AND 9:00AM
2. WORK IS TO BE SCHEDULED AFTER HOURS IN ANY SPACES OCCUPIED DURING REGULAR HOURS OF OPERATION FOR THE VA AND RESTORED TO FUNCTION CAPACITY FOR THE NEXT VA WORK DAY. IE WAITING ROOM AND CONSTRUCTION OF TEMPORARY DOORS & PARTITIONS.
3. PATCH, REPAIR & MATCH FINISHES TO FLOORS AND WALLS DAMAGED IN OCCUPIED AREAS AS A RESULT OF SELECTED DEMOLITION AND INSTALLATION OF TEMPORARY PARTITIONS.
4. CONTRACTOR SHALL WORK W/VA INFECTION CONTROL REPRESENTATIVE TO CONFIRM TEMPORARY PARTITION LOCATIONS, ETC.
5. THE CONTRACTOR SHALL IMPLEMENT ICRA SPECIFIC REQUIREMENTS DURING CONSTRUCTION AS OUTLINED IN CHAPTER 5 OF THE AIA GUIDELINES FOR DESIGN AND CONSTRUCTION OF HOSPITAL AND HEALTH CARE FACILITIES.

ALL WORK IN OCCUPIED AREAS NOT IDENTIFIED IN THE AREA OF WORK BUT REQUIRED AS PART OF THE WORK IN THE AREA OF WORK IS TO BE COORDINATED WITH THE VETERANS AFFAIRS IN ADVANCE SO ALTERNATE PROVISIONS CAN BE MADE TO ACCOMODATE THE NEW WORK.

6. THE OWNER SHALL PROVIDE AN INFECTION CONTROL RISK ASSESSMENT (ICRA). AN ICRA IS A DETERMINATION OF THE POTENTIAL RISK OF TRANSMISSION OF VARIOUS AGENTS IN THE FACILITY. THIS CONTINUOUS PROCESS IS AN ESSENTIAL COMPONENT OF A FACILITY FUNCTIONAL OR MASTER PROGRAM TO PROVIDE A SAFE ENVIRONMENT OF CARE. THE ICRA SHALL BE CONDUCTED BY A PANEL WITH EXPERTISE IN INFECTION CONTROL, RISK MANAGEMENT, FACILITY DESIGN, CONSTRUCTION, VENTILATION, SAFETY, AND EPIDEMIOLOGIST. THE PANEL SHALL PROVIDE UPDATED DOCUMENTATION OF THE RISK ASSESSMENT THROUGHOUT CONSTRUCTION. THE ICRA SHALL ONLY ADDRESS BUILDING AREAS ANTICIPATED TO BE AFFECTED BY CONSTRUCTION. THE ICRA SHALL ADDRESS, BUT NOT BE LIMITED TO THE FOLLOWING ISSUES:
   - A. THE IMPACT OF DISRUPTING ESSENTIAL SERVICES TO PATIENTS AND EMPLOYEES.
   - B. PATIENT PLACEMENT OR RELOCATION.
   - C. PLACEMENT OF EFFECTIVE BARRIERS TO PROTECT SUSCEPTIBLE PATIENTS FROM AIRBORNE CONTAMINANTS SUCH AS ASPERGILLUS SP.
   - D. AIR HANDLING AND VENTILATION NEEDS IN SURGICAL SERVICES, AIRBORNE INFECTION ISOLATION AND PROTECTIVE ENVIRONMENT ROOMS, LABORATORIES, LOCAL EXHAUST SYSTEMS FOR HAZARDOUS AGENTS, AND OTHER SPECIAL AREAS.
   - E. DETERMINATION OF ADDITIONAL NUMBERS OF AIRBORNE INFECTION ISOLATION OR PROTECTIVE ENVIRONMENT ROOM REQUIREMENTS.
   - F. CONSIDERATION OF THE DOMESTIC WATER SYSTEM TO LIMIT LEGIONELLA SP. AND WATERBORNE OPPORTUNISTIC PATHOGENS.
   - G. PATIENT PROTECTION FROM DEMOLITION, VENTILATION, AND WATER MANAGEMENT FOLLOWING PLANNED OR UNPLANNED POWER OUTAGES, MOVEMENT OF DEBRIS, TRAFFIC FLOW, CLEANUP, AND CERTIFICATION.

PHASING LEGEND

PHASE I:

REMOVE AND REPLACE EXISTING MECHANICAL EQUIPMENT AS INDICATED ON THE MECHANICAL PLANS.REFER TO MECHANICAL PLANS.CEILING SYSTEM AND ACOUSTICAL TILE TO BE REMOVED AS NECESSARY FOR NEW YORK. CEILING SYSTEM AND TILES TO BE REINSTALLED AS PART OF NEW WORK. REPLACE ANY DAMAGED CEILING SYSTEM AND ACOUSTICAL TILES INCLUDING EXISTING WATER DAMAGED TILES. MATCH EXISTING. REFER TO NOTES THIS SHEET FOR FUTHER INFORMATION.

PHASE II:

REMOVE AND REPLACE EXISTING MECHANICAL EQUIPMENT AS INDICATED ON THE MECHANICAL PLANS. REFER TO MECHANICAL PLANS. CEILING SYSTEM AND ACOUSTICAL TILE TO BE REMOVED AS NECESSARY FOR NEW WORK. CEILING SYSTEM AND TILES TO BE REINSTALLED AS PART OF NEW WORK. REPLACE ANY DAMAGED CEILING SYSTEM AND ACOUSTICAL TILES INCLUDING EXISTING WATER DAMAGED TILES. MATCH EXISTING. REFER TO NOTED THIS SHEET TO FOR FURTHER INFORMATION.

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NO.	DESCRIPTION	DATE

NORTH

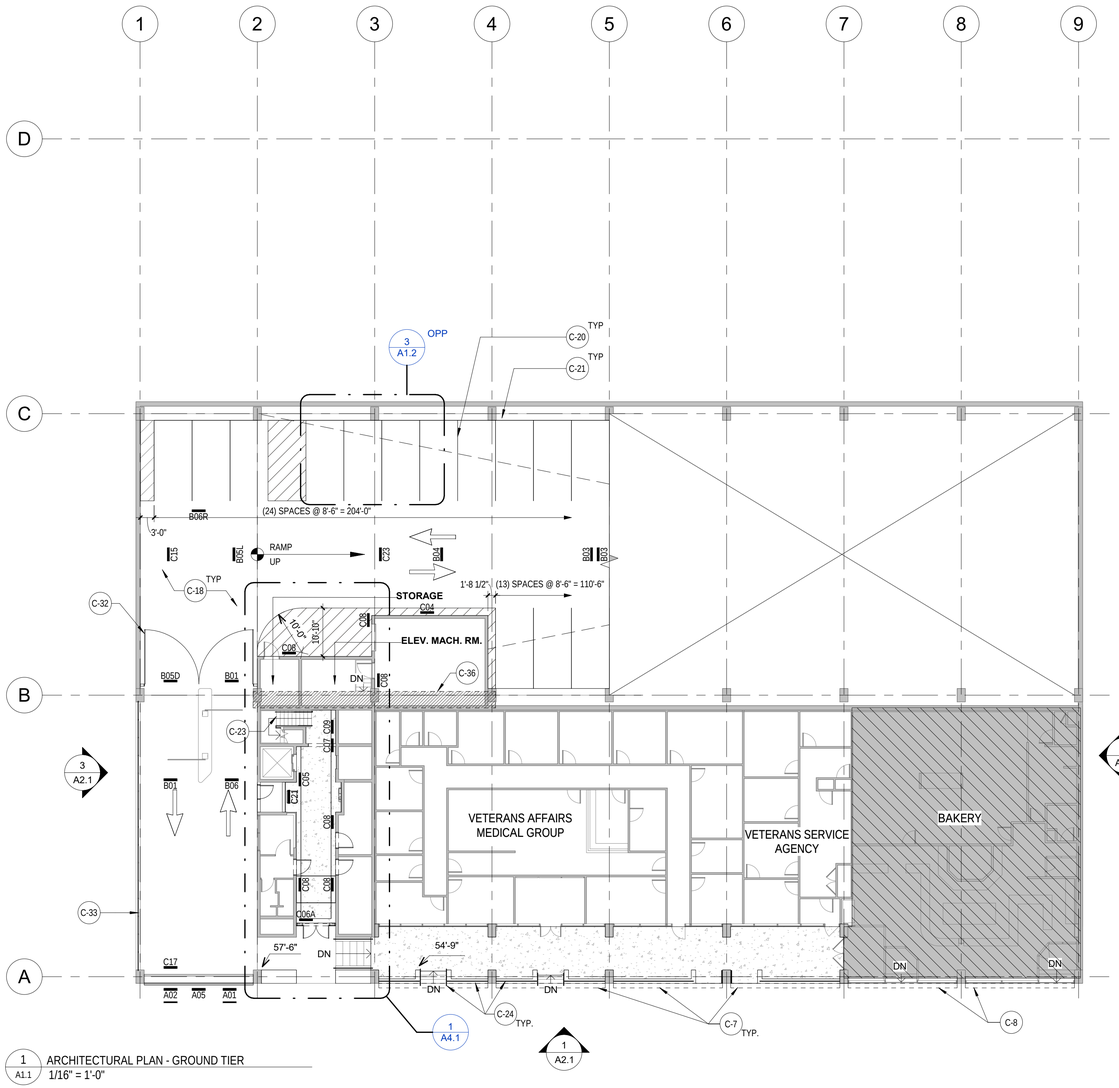
DRAWN: JC
REVIEWED: RP
DATE: 04/11/2022

SHEET TITLE:

PHASING PLAN - VETERAN AFFAIRS AREA

SHEET NO.

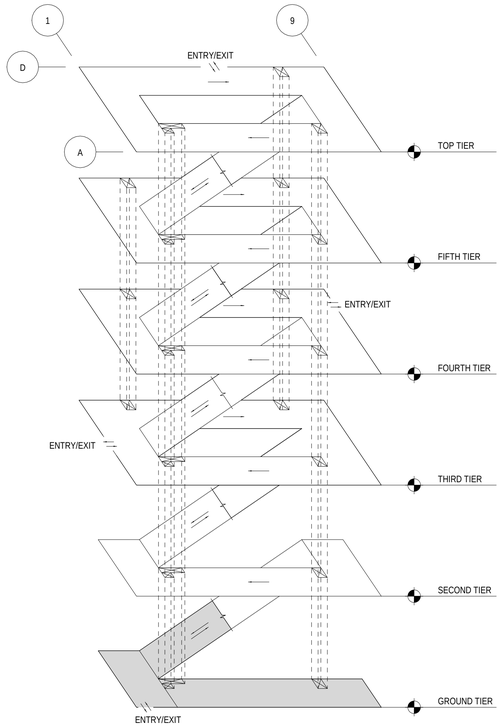
A0.1A



1 A1.1 ARCHITECTURAL PLAN - GROUND TIER
1/16" = 1'-0"

PARKING SPACE TABULATION					
GARAGE LEVEL	8'-6" STALL	ELECTRIC	ADA	ADA VAN	TOTAL
TOP TIER	78	0	4	2	84
5TH TIER	98	12	0	0	110
4TH TIER	109	0	2	0	111
3RD TIER	107	0	2	0	109
2ND TIER	72	0	2	0	74
GROUND TIER	14	0	0	0	14
TOTAL SPACES	**478**	**12**	**10**	**2**	**502**

CONSTRUCTION KEYNOTES	
C-7	NEW AWNINGS TO MATCH EXITING. INSTALLATION AS PER MANUFACTURE SPECS, TYP.
C-8	EXISTING AWNINGS TO BE REMOVED FOR REINSTALLATION DURING NEW CONSTRUCTION. typ.
C-18	POWERWASH AND PAINT ALL PERIMETER VERTICAL SURFACES OF INTERIOR WALLS, SPANDRELS AND STAIR TOWERS - COLOR: SW7004 - SNOWBOUND - EGGSHELL UNLESS OTHERWISE NOTED. COORDINATE WITH NEW CONSTRUCTION.
C-20	PARKING SPACE STRIPING REFERENCE LINE, TYP. ALL TIERS. SEE PAVEMENT MARKING DETAILS
C-21	POWERWASH ALL INTERIOR CURBS. PAINT VERTICAL SURFACE, COLOR: SWXXX
C-23	METAL PAN STAIR'S RISERS TO BE PAINTED COLOR GRAY.
C-24	NEW GUARDRAILS.
C-32	NEW GATE (2) 12'x7'. V.I.F. BASIS OF DESIGN IS "AEGIS II BY AMERISTAR PERIMETER SECURITY"
C-33	NEW SECURITY GRILL INFILL. BASSIS OF DESIGN "BARNETT BATES GENUINE ORSOGRIL STEROPE" REFER TO ELEVATIONS.
C-36	GC TO SURVEY EXISTING GAP OPEN TO TIER ABOVE BETWEEN RAMPS. GAP TO BE CLOSED UP WITH SHEET METAL.



ISOMETRIC - GROUND

KEYNOTE LEGEND	
D-X	DEMOLITION KEYNOTE TAG
C-X	CONSTRUCTION KEYNOTE TAG
XX-X	FINISH KEYNOTE TAG
LT-X	LIGHTING KEYNOTE TAG
PNT-1 / PTN-2	FINISH FROM 3'-7" AFF TO BOTTOM OF DECK
	FINISH FROM TOP OF DECK TO 3'-7" AFF
XXX	SIGNAGE KEYNOTE, SEE SHEETS G1.1, G1.2 & G1.3 FOR SCHEDULE AND RELATED DETAILS

PLAN LEGEND	
	FLEXIBLE DELINEATOR
	PIPE BOLLARD
	PRECAST BOLLARD
	ACCESSIBLE PARKING SPACE
	4" WIDE STRIPES PAINTED @ 1'-6" O.C.
	PAINTED FLOOR ARROW
102	DOOR NUMBER, SEE DOOR SCHEDULE
	WALL TYPES
	COLUMN
	EXISTING WALL TO REMAIN
	NEW WALL

CONSTRUCTION NOTES

1. THE DRAWINGS AND THE SPECIFICATIONS ARE COMPLIMENTARY, AND THEIR INTENT IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
2. THE ORGANIZATION OF THE SPECIFICATIONS AND DRAWINGS SHALL NOT CONTROL THE CONTRACTOR IN DIVIDING THE WORK AMONG THE SUBCONTRACTORS, OR IN ESTABLISHING THE WORK PERFORMED BY ANY TRADE.
3. ALL WORK SHALL CONFORM TO CODES, ORDINANCES, RULES AND REGULATIONS OF ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AGENCY HAVING JURISDICTION. THE RULES AND REGULATIONS OF OSHA SHALL BE ADHERED TO FOR THIS PROJECT.
4. ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS. FOR PURPOSES OF THIS PROJECT, CONTRACT DOCUMENTS SHALL INCLUDE THE OWNER/CONTRACTOR AGREEMENT; THE DRAWINGS AND ALL ADDENDA AND REVISIONS ISSUED BY THE ARCHITECT.
5. THE CONTRACTOR SHALL OBTAIN, AND PAY ALL FEES FOR BUILDING DEPARTMENT APPROVALS AND PERMITS, CONTROLLED INSPECTIONS, APPROVALS AND PERMITS OF OTHER AGENCIES WHEN REQUIRED, AND FINAL WRITE-OFFS FOR PROJECT COMPLETION. RECORD COPIES OF ALL AGENCY PERMITS SHALL BE FORWARDED TO THE ARCHITECT PRIOR TO REQUEST FOR FINAL PAYMENT.
6. CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS, VERIFY ALL DIMENSIONS AND FIELD CONDITIONS, AND CONFIRM THAT THE WORK IS BUILDABLE AS SHOWN. ANY DISCREPANCIES OR OMISSIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT FOR CLARIFICATION PRIOR TO COMMENCEMENT OF THE WORK.
7. CONTRACTOR SHALL VERIFY DIMENSIONS AND, TO THE EXTENT POSSIBLE. VERIFY FIELD CONDITIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY UPON DISCOVERY.
8. IF DOCUMENTS ARE AT VARIANCE WITH ONE ANOTHER ON A PARTICULAR ITEM OR ITEMS, CONTRACTOR SHALL BASE HIS BID ON THE BETTER QUALITY OR MORE EXPENSIVE OF THE CONDITIONS SHOWN. ITEMS OR EQUIPMENT SPECIFIED UNDER ONE TRADE SHALL BE BINDING AS IF SPECIFIED UNDER ALL RELATED TRADES.
9. IN THE EVENT OF A DISCREPANCY BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS OR SPECIFICATIONS, CONTRACTOR SHALL BRING ALL SUCH DISCREPANCIES TO THE IMMEDIATE ATTENTION OF THE ARCHITECT FOR CLARIFICATIONS PRIOR TO COMMENCEMENT OF THE WORK.
10. THE CONTRACTOR SHALL REVIEW AND COORDINATE THE SCHEDULING OF CONSTRUCTION. AND SHALL SUBMIT A DETAILED PROJECT SCHEDULE INCORPORATING THE WORK OF THE CONTRACTOR AND ITS RESPECTIVE SUBCONTRACTORS, AS WELL AS WORK BY OTHERS.
11. THE CONTRACTOR SHALL COORDINATE WITH THE TELEPHONE AND COMMUNICATIONS INSTALLATION COMPANY AND THE TENANT FOR ALL TELEPHONE AND COMMUNICATION INSTALLATION WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING OF TELEPHONE AND COMMUNICATIONS INSTALLATION WITH HIS WORK.
12. DO NOT SCALE DRAWINGS. ANY CLARIFICATIONS OR INFORMATION REQUIRED BY THE CONTRACTOR SHALL BE FURNISHED, UPON WRITTEN REQUEST, BY THE ARCHITECT.
13. THE CONTRACTOR SHALL VERIFY THAT CONTRACT DOCUMENTS ARE THE LATEST ISSUE PRIOR TO COMMENCEMENT OF WORK.
14. ALL WORK SHALL BE PERFORMED TO THE HIGHEST LEVELS OF CRAFTSMANSHIP BY QUALIFIED TECHNICIANS AN MECHANICS.
15. THE CONTRACTOR SHALL NOT PROCEED WITH WORK FOR WHICH IT EXPECTS ADDITIONAL COMPENSATION BEYOND THE CONTRACT AMOUNT WITHOUT WRITTEN AUTHORIZATION. EXECUTION OF 16.WORK WITHOUT WRITTEN AUTHORIZATION MAY INVALIDATE A CLAIM FOR ADDITIONAL COMPENSATION.
16. THE CONTRACTOR SHALL BE RESPONSIBLE TO ADEQUATELY BRACE AND PROTECT WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTION AND MISALIGNMENT IN CONFORMANCE WITH APPLICABLE CODES, STANDARDS, AND GOOD PRACTICE, EXECUTION OF THE WORK SHALL NOT UNDERMINE THE STRUCTURAL INTEGRITY OF THE BUILDING.
17. CONTRACTOR SHALL COORDINATE WORK WITH REQUIREMENTS OF THE BUILDING MANAGEMENT, INCLUDED BUT NOT LIMITED TO SCHEDULING TIME AND LOCATION OF DELIVERIES, BUILDING ACCESS, WORKER PARKING, USE OF BUILDING FACILITIES, TEMPORARY UTILITIES, USE AND CLEARANCE OF BUILDING ELEVATORS, PROTECTION, REFUSE CONTAINERS, ETC.
18. THE CONTRACTOR SHALL MAINTAIN ALL EXITS, EXIT AND EMERGENCY LIGHTING, FIRE AND LIFE SAFETY DEVISES AND ALARMS AS REQUIRED BY LOCAL CODES, OR AS MAY REQUIRED BY THE BUILDING OFFICIAL. THE CONTRACTOR SHALL INSURE THAT THE PERFORMANCE OF THE WORK WILL NOT JEOPARDIZE THE SAFE, UNINTERRUPTED PROVISION OF MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND LIFE SAFETY SYSTEMS TO ADJACENT TENANT AREAS.
19. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING ITS BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND FOR COORDINATION OF ALL PORTIONS OF THE WORK.
20. DURING THE ENTIRE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL BE REPRESENTED AT THE JOBSITE BY A QUALIFIED SUPERINTENDENT WHO SHALL BE EMPOWERED TO ACT ON HIS BEHALF, AND WHO SHALL BE RESPONSIBLE FOR: 1. MANAGEMENT OF ALL ASPECTS OF THE WORK INCLUDING PERIODIC MEETINGS TO REVIEW JOB PROGRESS. 2. ESTABLISH AND MAINTAIN PROPER AND SAFE WORKING CONDITIONS AT THE JOBSITE. 3. TRANSMITTAL OF ALL INSTRUCTIONS ISSUED BY THE ARCHITECT, AND DEVELOPER. 4. COMPLIANCE WITH APPLICABLE CODES, REGULATIONS, AND ORDINANCES. 5. COMPLETE COORDINATION OF ALL ELEMENTS OF THE WORK. 6. CHECKING WORK IN PLACE FOR CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.
21. THE CONTRACTOR SHALL HAVE A DULY AUTHORIZED REPRESENTATIVE PRESENT AT THE JOBSITE TO BE RESPONSIBLE FOR RECEIVING ALL MATERIALS, DELIVERED IN CONNECTION WITH THE WORK, THE DEVELOPER AND THE BUILDING MANAGEMENT WILL HAVE NO RESPONSIBILITY FOR SUCH DELIVERIES, AND WILL NOT ACCEPT THEM.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WAREHOUSING OF ALL MATERIALS TO BE INSTALLED UNDER THIS CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING, PROTECTING OWNER FURNISHED ITEMS, AND SHALL PROVIDE AND MAINTAIN LOCKED STORAGE ROOMS AT BUILDING PREMISES FOR THE FOLLOWING ITEMS WHEN REQUIRED: COMMUNICATIONS EQUIPMENT, FURNITURE, DECORATIVE ITEMS SUCH AS BLINDS, DRAPERIES, ETC.
23. THE CONTRACTOR SHALL DO ALL CUTTING, FITTING AND PATCHING REQUIRED TO COORDINATE THE INSTALLATION OF IT'S WORK, THE WORK OF IT'S SUBCONTRACTORS, AND THE WORK OF SPECIALTY CONTRACTORS AND VENDORS.
24. SPACES AROUND PIPES, DUCTS, AND CONDUITS PENETRATING FIRE RATED PARTITIONS SHALL BE FIRESTOPPED IN CONFORMANCE WITH APPLICABLE CODES.
25. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION PREMISES IN A NEAT AND ORDERLY CONDITION AT ALL TIMES AND SHALL KEEP THE JOBSITE FREE OF ALL UNNECESSARY TRASH AND DEBRIS INCLUDING FOOD. THE JOBSITE SHALL BE BROOM CLEANED AT THE END OF EACH WORKING DAY.
26. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SUBMITTALS TO THE ARCHITECT WITH SUFFICIENT TIME FOR REVIEW. PRIOR TO FABRICATION AND ORDERING, AND SHALL INFORM THE ARCHITECT IN WRITING AT TIME OF SUBMISSION OF ANY PROPOSED DEVIATION FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
27. UNLESS OTHERWISE NOTED SHOP DRAWINGS SHALL INCLUDE (6) SIX PRINTS. INCLUDE (6) SIX COPIES OF PRODUCT DATA AND/OR (6) SIX SAMPLES. MAKE SUBMITTALS FAR ENOUGH IN ADVANCE OF SCHEDULED DATES TO PROVIDE APPROVALS, FOR POSSIBLE REVISIONS AND RESUBMITTALS, AND FOR PLACING ORDERS AND SECURING DELIVERY. ALLOW AT LEAST (7) SEVEN WORKING DAYS FOR REVIEW BY THE ARCHITECT FOLLOWING RECEIPT OF THE SUBMITTAL, EXCLUSIVE TIME REQUIRED FOR REVIEW, FOR SECURING NECESSARY OF MAILING TIME.
28. THE CONTRACTOR SHALL REVIEW REQUIRED SHOP DRAWINGS AND SUBMITTALS PRIOR TO SUBMISSION TO THE ARCHITECT, AND SHALL INDICATE ON THE SHOP DRAWING OR SUBMITTAL THAT SUCH REVIEW HAS TAKEN PLACE. THE ARCHITECT WILL NOT REVIEW SHOP DRAWINGS OR SUBMITTALS THAT DO NOT BEAR A SIGNED CONTRACTOR REVIEW STATEMENT. BY REVIEWING AND SUBMITTING SHOP DRAWINGS AND SUBMITTALS, THE CONTRACTOR REPRESENTS THAT HE HAS DETERMINED AND VERIFIED FIELD MEASUREMENTS. FIELD CONSTRUCTION CRITERIA, MATERIALS, CATALOG NUMBERS AND SIMILAR DATA, AND THAT EACH SHOP DRAWING AND SUBMITTAL HAS BEEN CHECKED AND COORDINATED WITH THE REQUIREMENTS OF THE CONTRACT.
29. ARCHITECTS REVIEWS OF SHOP DRAWINGS AND SUBMITTALS SHALL BE FOR CONFORMANCE WITH THE DESIGN CONCEPT ONLY. ARCHITECTS REVIEW SHALL NOT BE CONSTRUED AS APPROVING DEPARTURES FROM CONTRACT REQUIREMENTS, NOR SHALL IT BE CONSTRUED AS APPROVING ANY CHANGES IN PRICING.
30. REJECTED SUBMITTALS SHALL BE RESUBMITTED AS SOON AS POSSIBLE, AND SHALL BE IDENTIFIED AS RESUBMITTED.
31. CONTRACTOR SHALL SUBMIT OPERATIONAL INSTRUCTIONS, MAINTENANCE MANUALS, AND MANUFACTURERS WRITTEN WARRANTIES FOR ALL CONTRACTOR-PROVIDED EQUIPMENT TO TENANT REPRESENTATIVE PRIOR TO REQUEST FOR FINAL PAYMENT. CONTRACTOR SHALL PROVIDE, OR SHALL ARRANGE FOR, ANY SPECIALIZED OPERATIONAL OR MAINTENANCE TRAINING.
32. JUST PRIOR TO TENANT OCCUPANCY, CONTRACTOR SHALL CLEAN ALL SURFACES, REMOVE TEMPORARY LABELS, CLEAN FINISHED SURFACES OF STAINS AND FOREIGN MATTER, CLEAN WINDOWS AND WINDOW TREATMENTS, AND VACUUM THE INSIDES OF CONVECTOR COVERS, POLISH TRANSPARENT AND GLOSSY SURFACES, CLEAN ALL EQUIPMENT AND FIXTURES, AND REPLACE FILTERS ON MECHANICAL EQUIPMENT. REMAINING CONSTRUCTION MATERIAL AND EQUIPMENT, IF ANY, SHALL BE MOVED AND TEMPORARILY SECURED IN AN AREA AS DIRECTED BY THE OWNER.
33. THE CONTRACTOR SHALL PROVIDE A SUPERINTENDENT AT THE JOBSITE WHO IS FURNISHED WITH A LOCKED OFFICE AREA EQUIPPED WITH TELEPHONE SERVICE, FILES AND WORKSPACE FOR DRAWINGS, SPECIFICATIONS AND SAMPLES STORAGE. THE DEVELOPER AND THE ARCHITECT SHALL HAVE ACCESS TO THE TELEPHONE SERVICE AND THE CONTRACT DOCUMENTS AT ALL TIMES. A COIN-OPERATED TELEPHONE SHALL BE UNACCEPTABLE FOR THE SUPERINTENDENTS USE. THE CONTRACTOR SHALL PROVIDE HARD HATS AS REQUIRED FOR USE BY DESIGNATED DEVELOPER FIELD REPRESENTATIVES, THE ARCHITECT, AND THEIR GUESTS.

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PROJECT NO.
NBR20136.01

PROJECT

Yonkers GCG Restoration

PARKING GARAGE

118 New Main St.
Yonkers, NY 10701

SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

NORTH

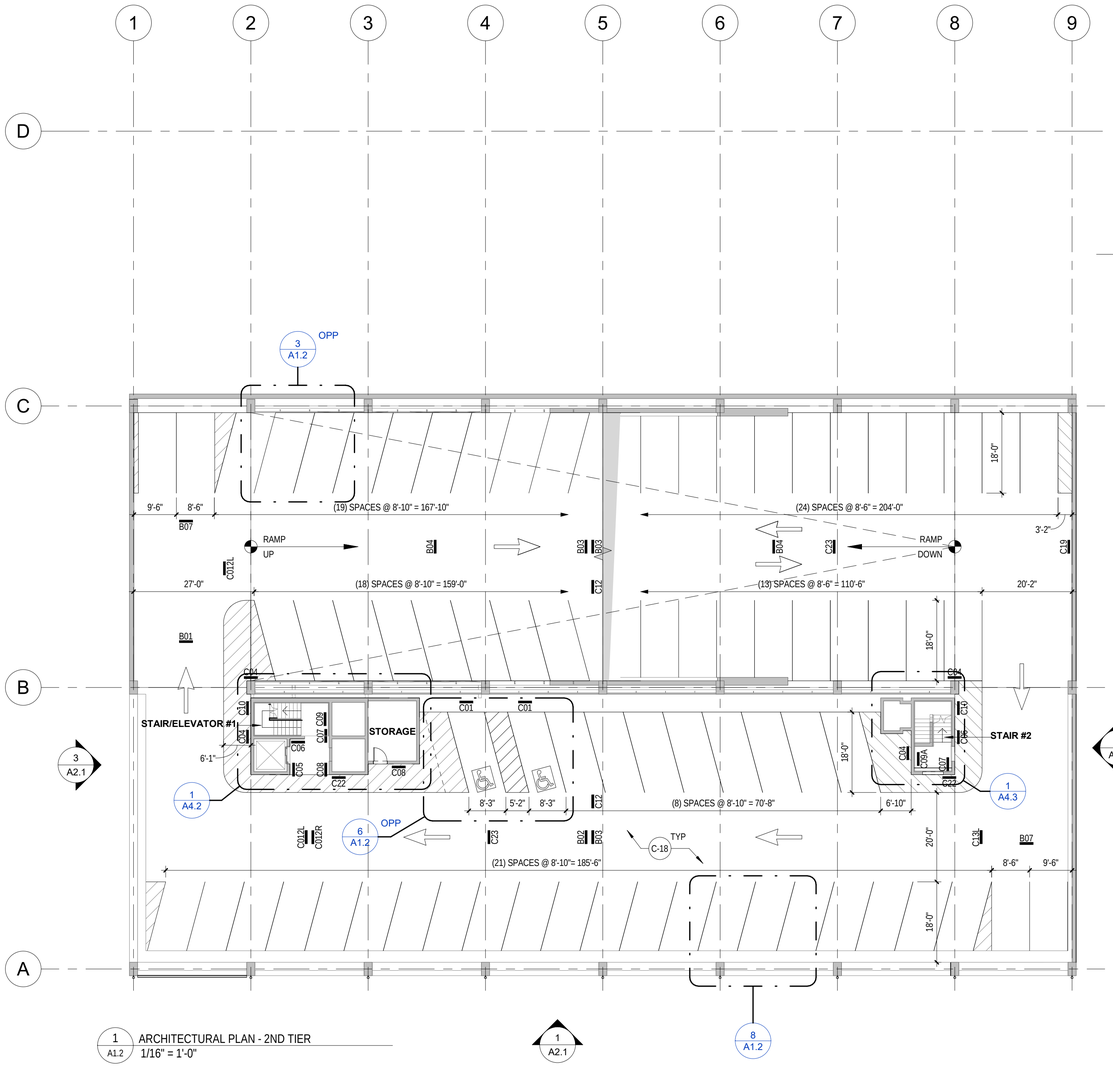
DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

SHEET TITLE:

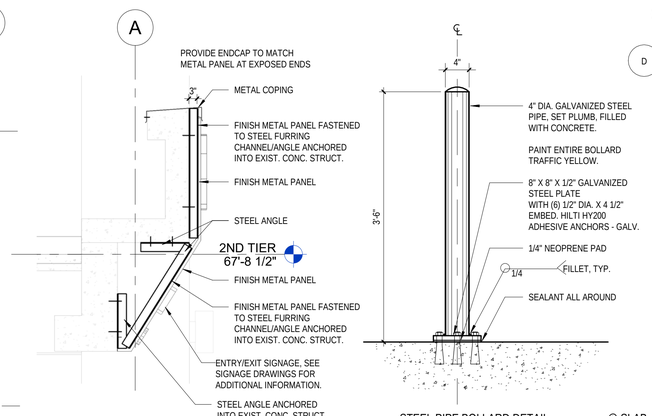
GROUND TIER ARCHITECTURAL PLAN & CONSTRUCTION NOTES

SHEET NO.

A1.1

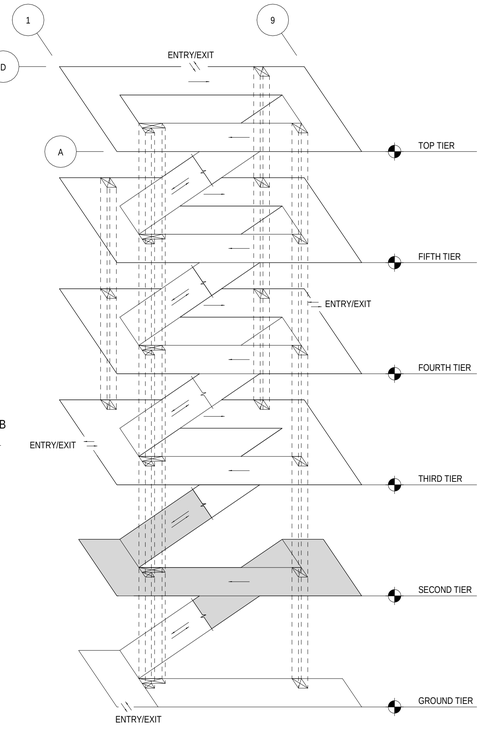


1 A1.2 ARCHITECTURAL PLAN - 2ND TIER
1/16" = 1'-0"

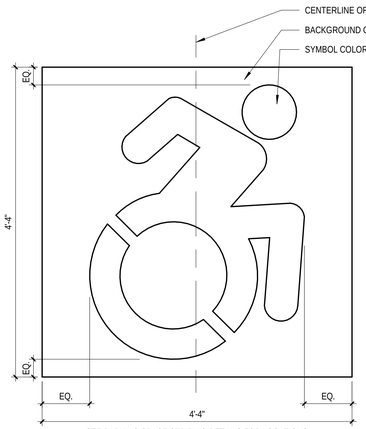


7 A1.2 METAL PANEL SECTION DETAIL
1/2" = 1'-0"

5 A1.2 STEEL PIPE BOLLARD DETAIL @ SLAB ON GRADE
1" = 1'-0"



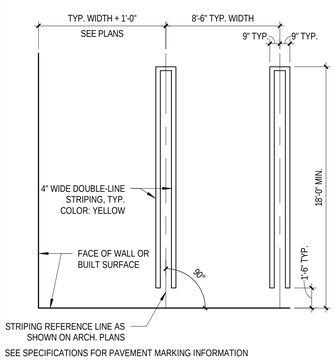
ISOMETRIC - SECOND



SEE PARKING SPACE STRIPING DETAILS FOR LOCATIONS
SEE SPECIFICATIONS FOR PAVEMENT MARKING INFORMATION

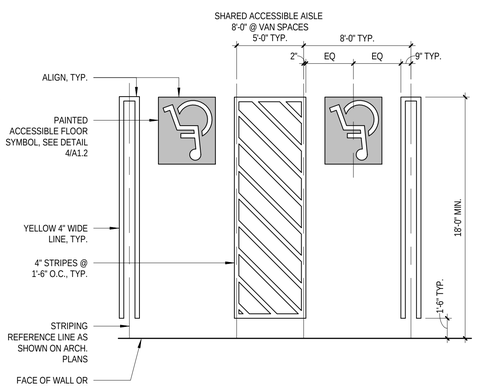
4 A1.2 PAINTED INTERNATIONAL SYMBOL OF ACCESS DETAIL
1" = 1'-0"

PLAN LEGEND	
	FLEXIBLE DELINEATOR
	PIPE BOLLARD
	PRECAST BOLLARD
	ACCESSIBLE PARKING SPACE
	4" WIDE STRIPES PAINTED @ 1'-6" O.C.
	PAINTED FLOOR ARROW
102	DOOR NUMBER, SEE DOOR SCHEDULE
	WALL TYPES
	COLUMN
	EXISTING WALL TO REMAIN
	NEW WALL

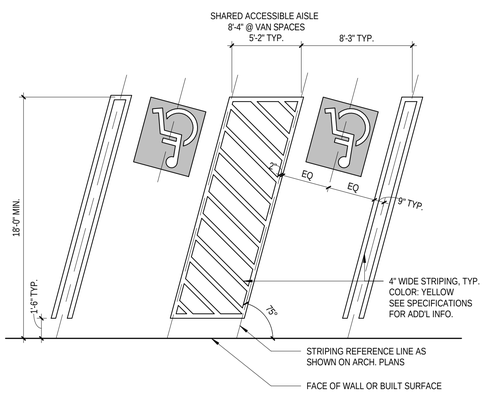


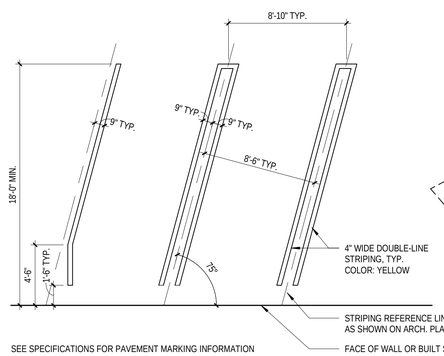
SEE SPECIFICATIONS FOR PAVEMENT MARKING INFORMATION

3 A1.2 PARKING STRIPING DETAIL
3/16" = 1'-0"



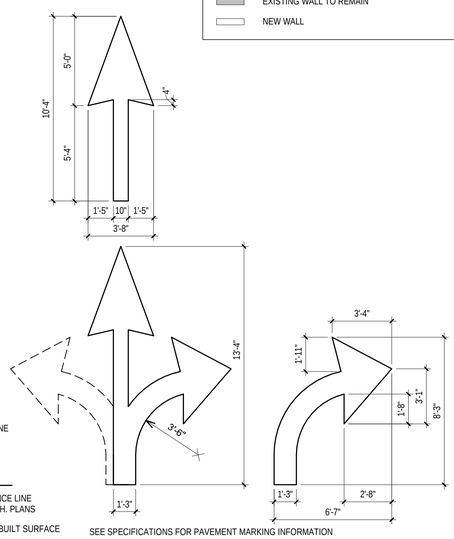
6 A1.2 PARKING STRIPING DETAIL - ACCESSIBLE
3/16" = 1'-0"





SEE SPECIFICATIONS FOR PAVEMENT MARKING INFORMATION

8 A1.2 PARKING STRIPING DETAIL
3/16" = 1'-0"



SEE SPECIFICATIONS FOR PAVEMENT MARKING INFORMATION

2 A1.2 PAINTED FLOOR ARROW DETAILS
1/4" = 1'-0"

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SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

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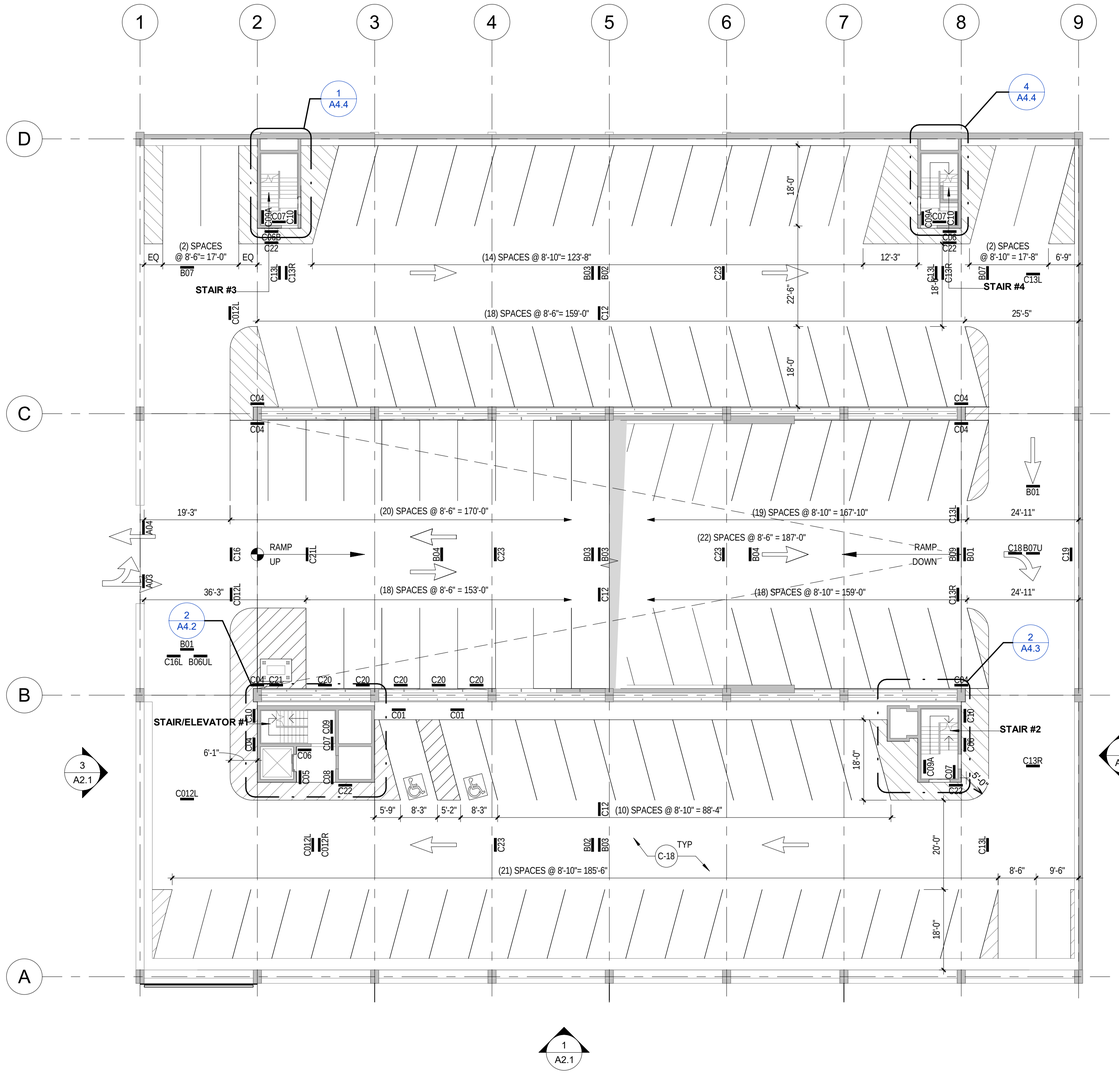
DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

SHEET TITLE:

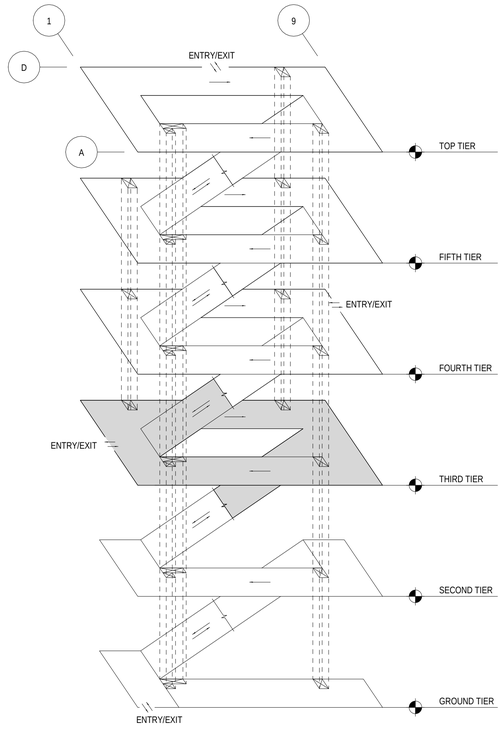
2ND TIER ARCHITECTURAL &
ENLARGED PLANS/DETAILS

SHEET NO.

A1.2



1 A1.3 3RD TIER ARCHITECTURAL PLAN
1/16" = 1'-0"



ISOMETRIC - THIRD

KEYNOTE LEGEND

D-X	DEMOLITION KEYNOTE TAG
C-X	CONSTRUCTION KEYNOTE TAG
XX-X	FINISH KEYNOTE TAG
LT-X	LIGHTING KEYNOTE TAG
PNT-1 / PTN-2	FINISH FROM 3'-7" AFF TO BOTTOM OF DECK
	FINISH FROM TOP OF DECK TO 3'-7" AFF
XXX XXX	SIGNAGE KEYNOTE, SEE SHEETS G1.1, G1.2 & G1.3 FOR SCHEDULE AND RELATED DETAILS

PLAN LEGEND

- FLEXIBLE DELINEATOR
- PIPE BOLLARD
- PRECAST BOLLARD
- ACCESSIBLE PARKING SPACE
- 4" WIDE STRIPES PAINTED @ 1'-6" O.C.
- PAINTED FLOOR ARROW
- 102 — DOOR NUMBER, SEE DOOR SCHEDULE
- WALL TYPES
- COLUMN
- EXISTING WALL TO REMAIN
- NEW WALL

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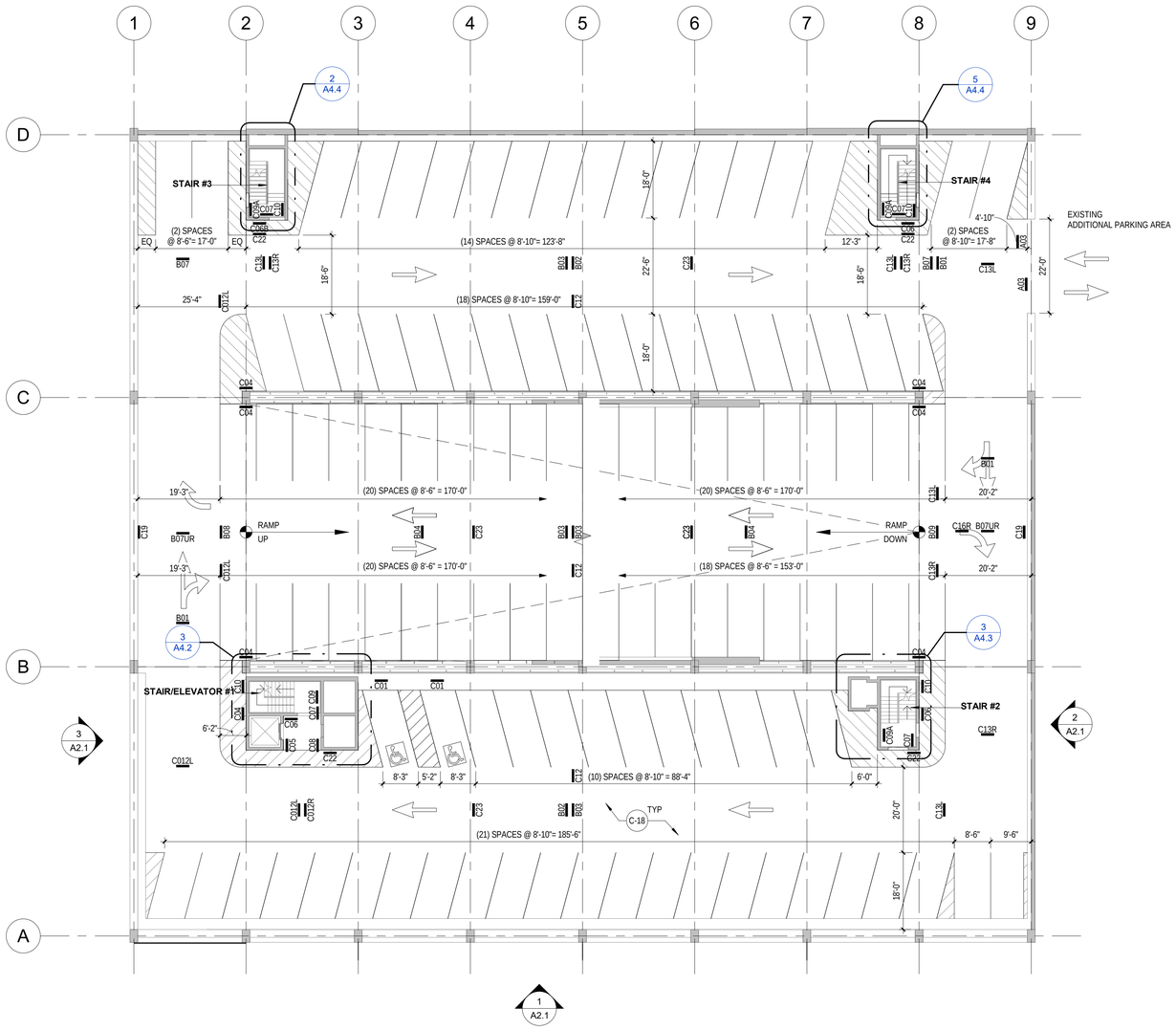
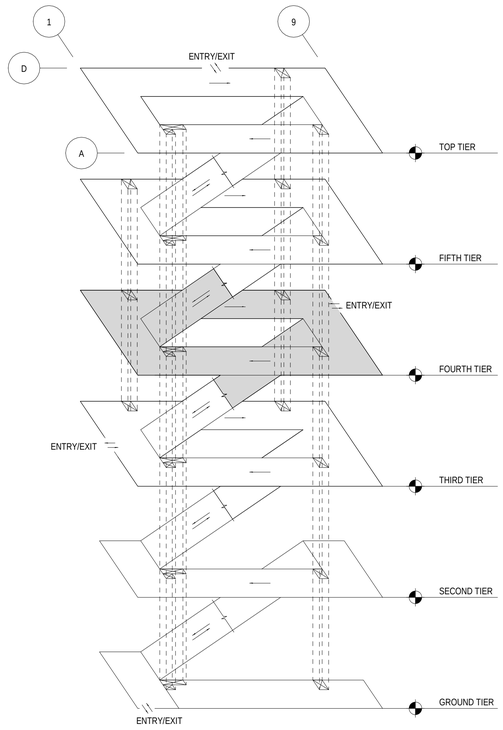
SHEET TITLE:
3RD TIER ARCHITECTURAL PLAN

SHEET NO.
A1.3



1 A1.4 4TH TIER ARCHITECTURAL PLAN
1/16" = 1'-0"



ISOMETRIC - FOURTH

KEYNOTE LEGEND	
D-X	DEMOLITION KEYNOTE TAG
C-X	CONSTRUCTION KEYNOTE TAG
XX-X	FINISH KEYNOTE TAG
LT-X	LIGHTING KEYNOTE TAG
PNT-1 / PTN-2	FINISH FROM 3'-7" AFF TO BOTTOM OF DECK
	FINISH FROM TOP OF DECK TO 3'-7" AFF
XXX XXX	SIGNAGE KEYNOTE, SEE SHEETS G1.1, G1.2 & G1.3 FOR SCHEDULE AND RELATED DETAILS

PLAN LEGEND	
	FLEXIBLE DELINEATOR
	PIPE BOLLARD
	PRECAST BOLLARD
	ACCESSIBLE PARKING SPACE
	4" WIDE STRIPES PAINTED @ 1'-6" O.C.
	PAINTED FLOOR ARROW
102	DOOR NUMBER, SEE DOOR SCHEDULE
	WALL TYPES
	COLUMN
	EXISTING WALL TO REMAIN
	NEW WALL

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NORTH

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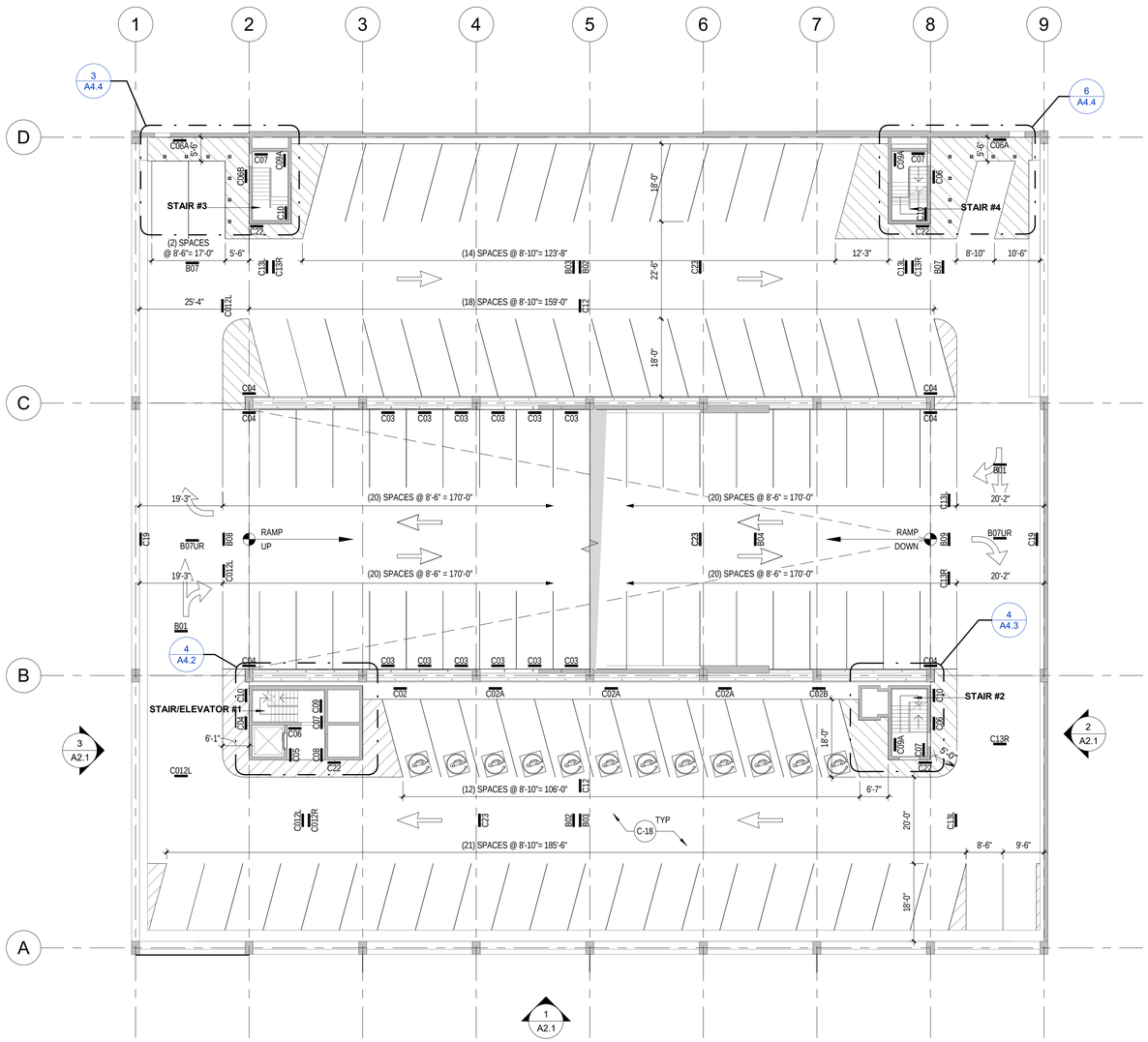
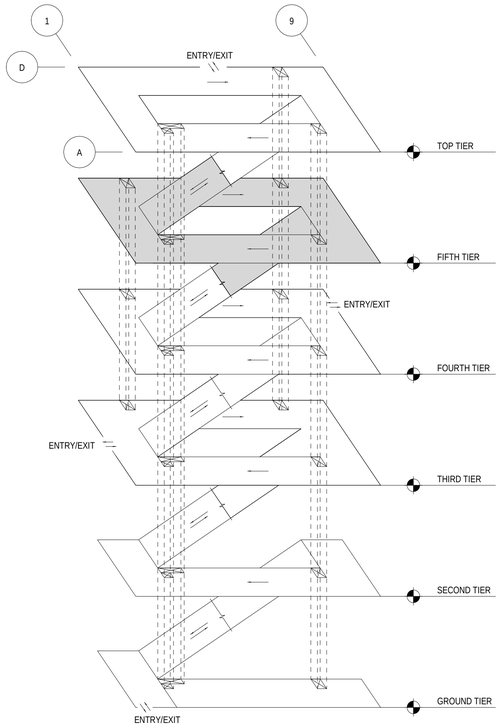
DATE: 04/11/2022

SHEET TITLE:
4TH TIER ARCHITECTURAL PLAN

SHEET NO.
A1.4



1 A1.5 — 5TH TIER ARCHITECTURAL PLAN
1/16" = 1'-0"



ISOMETRIC - FIFTH

KEYNOTE LEGEND	
D-X	DEMOLITION KEYNOTE TAG
C-X	CONSTRUCTION KEYNOTE TAG
XX-X	FINISH KEYNOTE TAG
LT-X	LIGHTING KEYNOTE TAG
PNT-1 / PTN-2	FINISH FROM 3'-7" AFF TO BOTTOM OF DECK
	FINISH FROM TOP OF DECK TO 3'-7" AFF
XXX	SIGNAGE KEYNOTE, SEE SHEETS G1.1, G1.2 & G1.3 FOR SCHEDULE AND RELATED DETAILS

PLAN LEGEND	
	FLEXIBLE DELINEATOR
	PIPE BOLLARD
	PRECAST BOLLARD
	ACCESSIBLE PARKING SPACE
	4" WIDE STRIPES PAINTED @ 1'-6" O.C.
	PAINTED FLOOR ARROW
102	DOOR NUMBER, SEE DOOR SCHEDULE
	WALL TYPES
	COLUMN
	EXISTING WALL TO REMAIN
	NEW WALL

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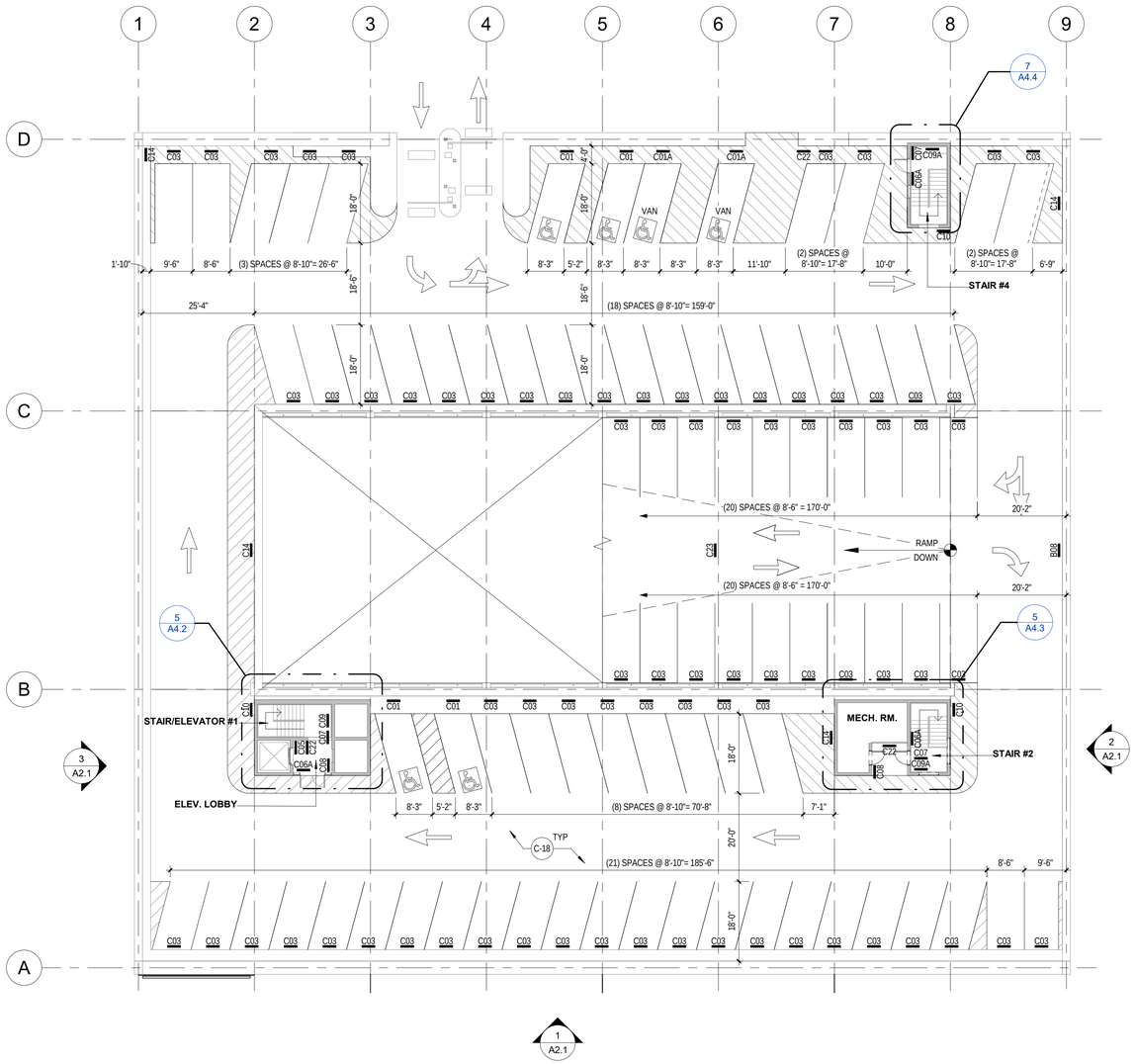
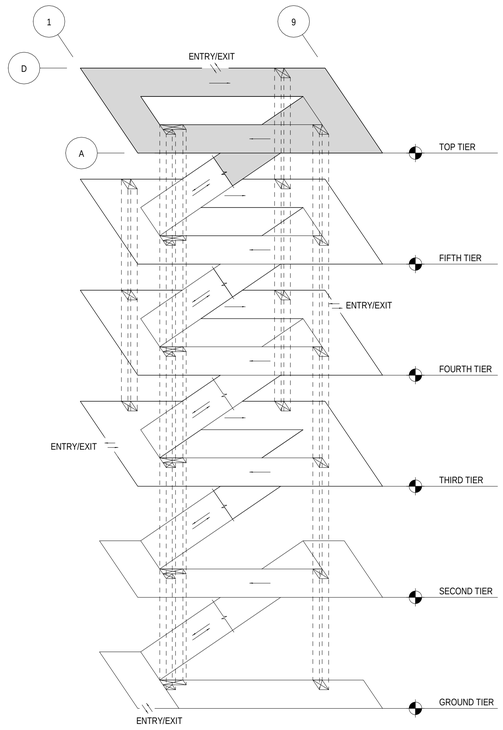
REVIEWED: RP
DATE: 04/11/2022

SHEET TITLE:
5TH TIER ARCHITECTURAL PLAN

SHEET NO.
A1.5



1 TOP TIER ARCHITECTURAL PLAN
A1.6 1/16" = 1'-0"



ISOMETRIC - TOP

KEYNOTE LEGEND	
D-X	DEMOLITION KEYNOTE TAG
C-X	CONSTRUCTION KEYNOTE TAG
XX-X	FINISH KEYNOTE TAG
LT-X	LIGHTING KEYNOTE TAG
PNT-1 / PTN-2	FINISH FROM 3'-7" AFF TO BOTTOM OF DECK
	FINISH FROM TOP OF DECK TO 3'-7" AFF
XXX	SIGNAGE KEYNOTE, SEE SHEETS G1.1, G1.2 & G1.3 FOR SCHEDULE AND RELATED DETAILS

PLAN LEGEND	
	FLEXIBLE DELINEATOR
	PIPE BOLLARD
	PRECAST BOLLARD
	ACCESSIBLE PARKING SPACE
	4" WIDE STRIPES PAINTED @ 1'-6" O.C.
	PAINTED FLOOR ARROW
102	DOOR NUMBER, SEE DOOR SCHEDULE
	WALL TYPES
	COLUMN
	EXISTING WALL TO REMAIN
	NEW WALL

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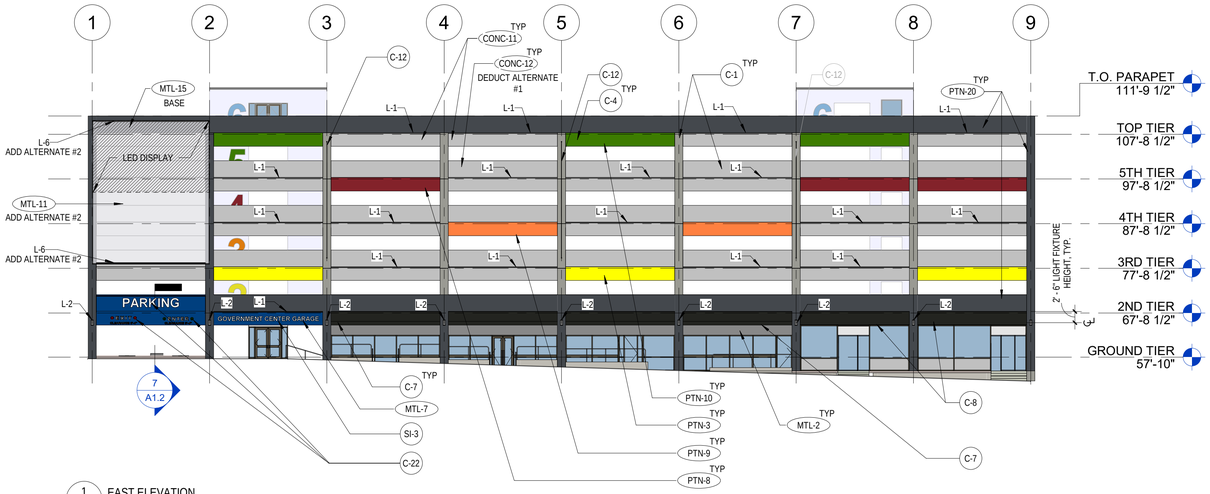
NO.	DESCRIPTION	DATE

NORTH

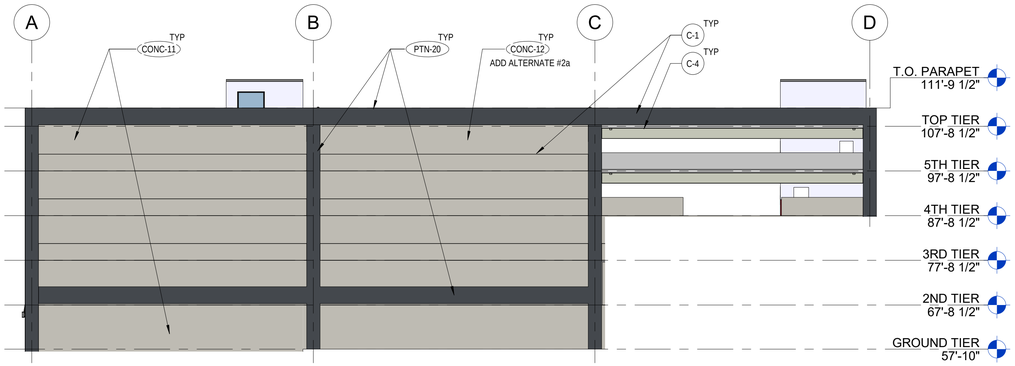
DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

SHEET TITLE:
TOP TIER ARCHITECTURAL PLAN

SHEET NO.
A1.6



1 A2.1 EAST ELEVATION
1/16" = 1'-0"



2 A2.1 NORTH ELEVATION
1/16" = 1'-0"

3 A2.1 SOUTH ELEVATION
1/16" = 1'-0"

CONSTRUCTION KEYNOTES	
C-1	POWERWASH ENTIRE CONCRETE EXTERIOR OF THE GARAGE AND PREP EXISTING CONCRETE SURFACES PER PRODUCT REQUIREMENTS FOR NEW FINISH AS INICATED ON THE ELEVATIONS. REFER TO FINISH LEGENG FOR ADDITIONAL INFORMATION - COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS FULL RANGE OF STANDARD COLORS.
C-4	REINSTALL EXISTING BIRD NETTING
C-7	NEW AWNINGS TO MATCH EXITING. INSTALLATION AS PER MANUFACTURE SPECS, TYP.
C-8	EXISTING AWNINGS TO BE REMOVED FOR REINSTALLATION DURING NEW CONSTRUCTION. typ.
C-12	SIGN BANNER TO BE INSTALLED AS PER MANUFACTURER SPECS. IMAGE TO BE SELECTED BY OWNER. ALL CONNECTIONS SHALL BE PERFORMANCE DESIGNED TO RESIST THE APPLICABLE LOADS. SUBMIT CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF NEW YORK, FOR APPROVAL PRIOR TO ANY FABRICATION. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION.
C-22	ENTRY/EXIT SIGNAGE, SEE SIGNAGE DRAWINGS FOR ADDITIONAL INFORMATION.

FINISH LEGEND	
CONC-11	POWERWASHED EXISTING PRECAST CONCRETE
CONC-12	DEDUCT ALTERNATE #1: PAINT EXISTING EXTERIOR EXPOSED PRECAST CONCRETE. COLOR TO MATCH EXISTING CONCRETE AS SELECTED FROM MANUFACTURERS FULL RANGE OF STANDARD COLORS UNLESS OTHERWISE NOTED. COORDINATE WITH NEW CONSTRUCTION AND CONCRETE PAINTING SPECIFICATION.
MTL-2	INSULATED METAL PANELS
MTL-7	METAL PANEL - SW6803 - DANUBE - EGGSHELL
MTL-11	ADD ALTERNATE #2: PVDF COATED POLYESTER MESH WITH GRAPHICS. IMAGE TO BE DETERMINED BY THE CITY OF YONKERS. INSTALLATION AS PER MANUFACTURER SPECS. ALL CONNECTIONS SHALL BE PERFORMANCE DESIGNED TO RESIST THE APPLICABLE LOADS. SUBMIT CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF NEW YORK, FOR APPROVAL PRIOR TO ANY FABRICATION. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION. REFER TO NOTE MTL-15 FOR ADD ALTERNATE TO PVDF COATED POLYSTER MESH.
MTL-15	BASE DESIGN: 26'X16' LED DIGITAL SCREEN (HATCHED AREA). BOD: SNA DISPLAYS - SNA 10mm XS/6000 NIT/OPTION. STRUCTURAL SUBFRAME SUPPORT, CONNECTIONS & MOUNTING DETAILS TO BE COORDINATED WITH SELECTED SCREEN MANUFACTURER. ALL CONNECTIONS SHALL BE PERFORMANCE DESIGNED TO RESIST THE APPLICABLE LOADS. SUBMIT CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF NEW YORK, FOR APPROVAL PRIOR TO ANY FABRICATION. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION.ELECTRICAL PANEL UPGRADES HAVE BEEN PROVIDED IN THE BASE ELECTRICAL SCOPE. REFER TO ELECTRICAL RISER DIAGRAM DRAWING FOR FURTHER INFORMATION.
PTN-3	PAINTED PRECAST - SW6696 - QUILT GOLD - EGGSHELL
PTN-8	PAINTED PRECAST - SW6600 - ENTICING RED - EGGSHELL
PTN-9	PAINTED PRECAST - SW6368 - BAKELITE GOLD - EGGSHELL
PTN-10	PAINTED PRECAST - SW6711 - PARAKEET - EGGSHELL
PTN-20	PAINTED PRECAST - SW6258 - TRICORN BLACK - EGGSHELL
SI-3	ALUMINUM LETTERS, ARIAL FONT 12" HIGH - CLEAR ANNODIZED.

LIGHTING KEYNOTES	
L-1	LINEAR WALL WASHER, TYPE A. REFER TO ELECTRICAL DRAWINGS.
L-2	EXTERIOR WALL SCONCE. REFER TO ELECTRICAL DRAWINGS.
L-6	ADD ALTERRNATE #2: LINEAR WALL WASHER, TYPE B. LINEAR WALL WASHER LUMINAIRE, PHILIPS, VAYA LINEAR MP, WHITE, 18 WATT/FT., RATED FOR WET AREA-DMX CONTROLLED LIGHT.

KEYNOTE LEGEND

D-X	DEMOLITION KEYNOTE TAG
C-X	CONSTRUCTION KEYNOTE TAG
XX-X	FINISH KEYNOTE TAG
LT-X	LIGHTING KEYNOTE TAG
PNT-1 / PTN-2	FINISH FROM 3'-7" AFF TO BOTTOM OF DECK
	FINISH FROM TOP OF DECK TO 3'-7" AFF
XXX	SIGNAGE KEYNOTE, SEE SHEETS G1.1, G1.2 & G1.3 FOR SCHEDULE AND RELATED DETAILS

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104953

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PROJECT NO.
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PROJECT

Yonkers GCG Restoration

PARKING GARAGE

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Yonkers, NY 10701

SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

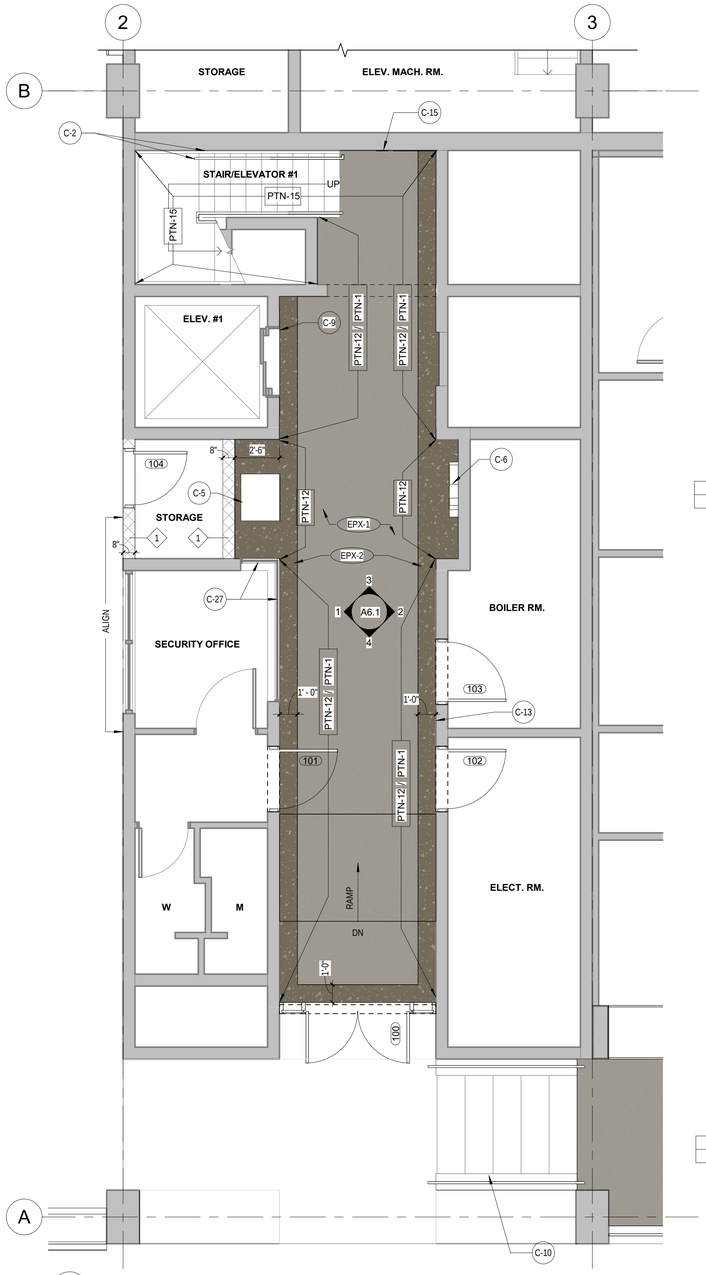
NO.	DESCRIPTION	DATE

DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

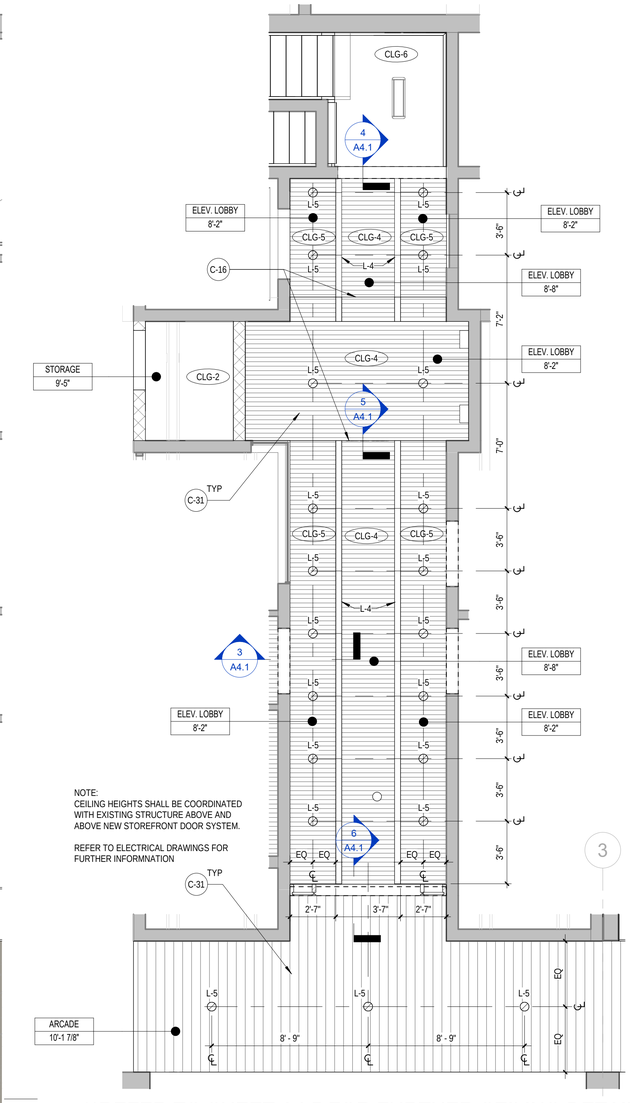
NORTH

SHEET TITLE:
ARCHITECTURAL BUILDING ELEVATIONS

SHEET NO.
A2.1

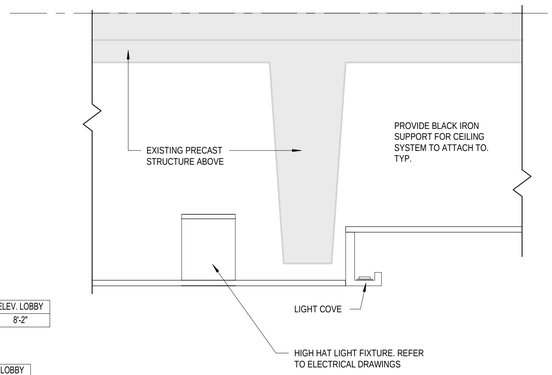


1 A4.1 ELEVATOR LOBBY ENLARGED PLAN
1/4" = 1'-0"

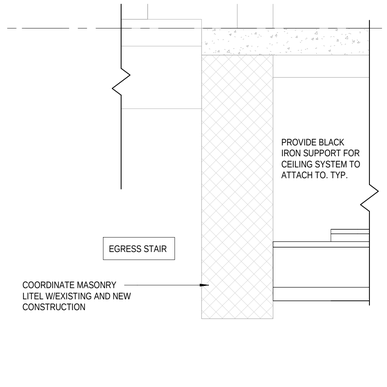


2 A4.1 ELEVATOR LOBBY REFLECTED CEILING PLAN
1/4" = 1'-0"

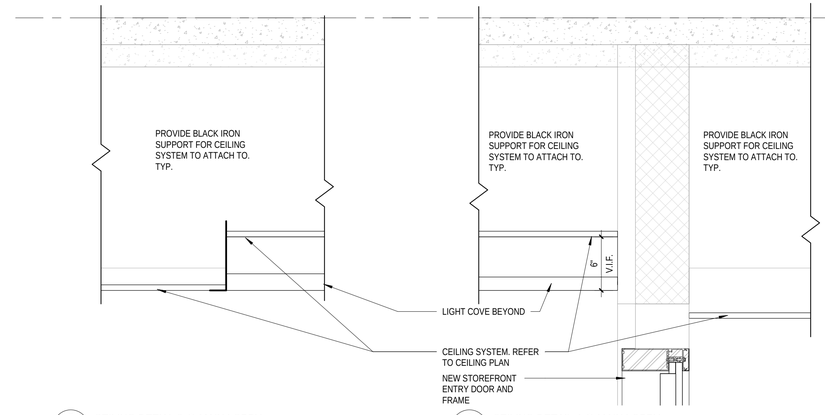
**REFER TO SHEET A4.5 FOR FURTHER CEILING DETAILS



3 A4.1 CEILING DETAIL 1 @ MAIN LOBBY
1 1/2" = 1'-0"

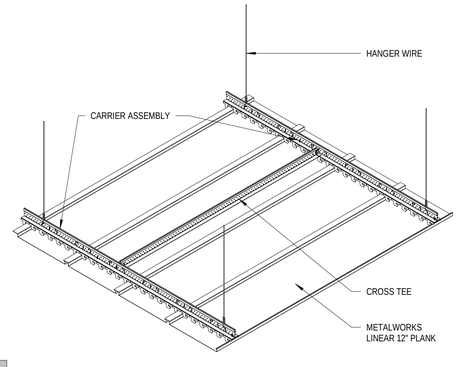


4 A4.1 CEILING DETAIL 2 @ MAIN LOBBY
1 1/2" = 1'-0"



5 A4.1 CEILING DETIAL 3 @ MAIN LOBBY
1 1/2" = 1'-0"

6 A4.1 CEILING DETAIL 4 @ MAIN LOBBY
1 1/2" = 1'-0"



LINEAR CEILING
ISOMETRIC VIEW

BASIS OF DESIGN:
ARMSTRONG
METALWORKS LINEAR - CLASSICS

7 A4.1 METAL LINEAR CEILING DETAIL
1" = 1'-0"

CONSTRUCTION KEYNOTES	
C-2	EXISTING HAND/GUARDRAILS, UNDERSIDE OF STAIRS, STRINGERS AND RISERS TO BE PREPARED PER PRODUCT REQUIREMENTS AND PAINTED - COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURE FULL RANGE OF STANDARD COLORS.
C-5	RELOCATED PAY ON FOOT MACHINE. REFER TO MEP DRAWINGS.
C-6	RELOCATED FIRE PANELS, REFER TO MEP DRAWINGS.
C-9	ELEVATOR MODERNIZATION PER SPECIFICATION AND REQUIREMENTS AS IDENTIFIED ON SHEET A5.1 AND SPECIFICATIONS.
C-10	NEW GUARDRAIL, TYP.
C-13	EXISTING RECESSED FIRE ANNUNCIATOR PANEL TO BE TRACED BACK TO THE SOURCE. IF PANEL IS NO LONGER IN USE, CONTRACTOR IS TO INFORM THE ARCHITECT FOR REMOVAL AND REPLACE WITH A METAL PANEL.
C-15	REFER TO INTERIOR ELEVATIONS FOR WALL GRAPHICS ADDITIONAL INFORMATION.
C-16	PAY ON FOOT MACHINE SIGN.
C-27	EXISTING SECURITY WINDOW TO REMAIN. GC TO PROTECT DURING CONSTRUCTION.
C-31	COORDINATE NEW BLACK IRON FOR SUSPENDED CEILING SYSTEM WITH EXISTING STRUCTURE ABOVE. V.I.F. EXISTING CONDITION AND COORDINATE WITH EXISTING BLACK IRON AS NECESSARY.

FINISH LEGEND	
CLG-2	NO CEILING, EXPOSED STRUCTURE
CLG-4	LINEAR METAL CEILING SYSTEM. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURE FULL RANGE OF STANDARD COLORS.
CLG-5	LINEAR METAL CEILING SYSTEM. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURE FULL RANGE OF STANDARD COLORS.
EPX-1	EPOXY FLOOR - COLOR A
EPX-2	EPOXY FLOOR - COLOR B
PTN-1	PAINTED CMU - SW7004 - SNOWBOUND - EGGSHELL
PTN-12	PAINTED CMU - SW6803 - DANUBE - EGGSHELL
PTN-15	PAINTED PRECAST - SW6803 - DANUBE - EGGSHELL

LIGHTING KEYNOTES	
L-4	COVE LIGHT, TYP.
L-5	RECESSED LIGHTING FIXTURE, TYP.

LEGEND	
	FLEXIBLE DELINEATOR
	PIPE BOLLARD
	PRECAST BOLLARD
	ACCESSIBLE PARKING SPACE
102	DOOR NUMBER, SEE DOOR SCHEDULE
-	WALL TYPES
W1	GLAZING SYSTEM TAG, SEE GLAZING SCHEDULE
C-X	CONSTRUCTION KEYNOTE TAG
XX-X	FINISH KEYNOTE TAG
	EXISTING WALL TO REMAIN
	NEW WALL
PTN-X	FINISH FULL HEIGHT WALL
PNT-1 / PTN-2	FINISH FROM 3'-7" AFF TO UNDERSIDE OF DECK
	FINISH FROM TOP OF DECK TO 3'-7" AFF
ROOM NAME 8'-8"	CEILING HEIGHT A.F.F.

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PROJECT

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SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

NORTH

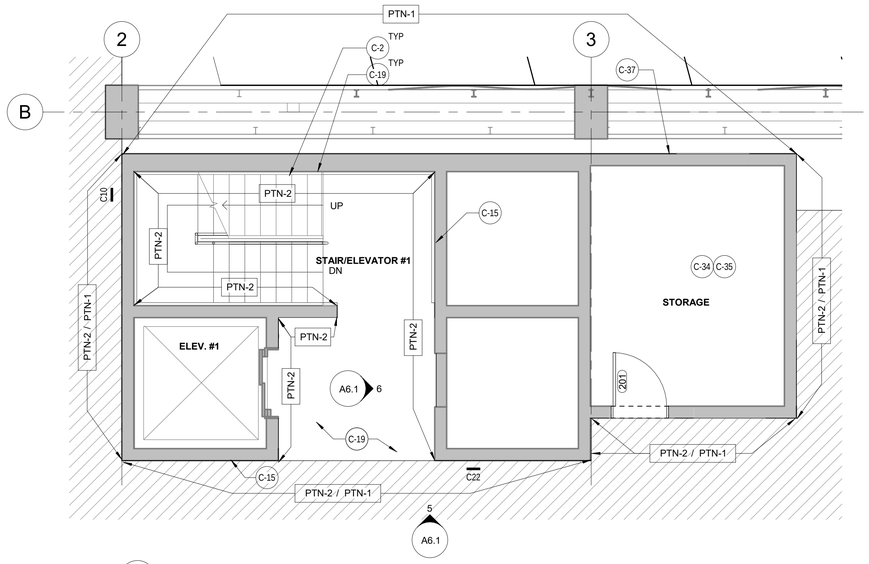
DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

SHEET TITLE:

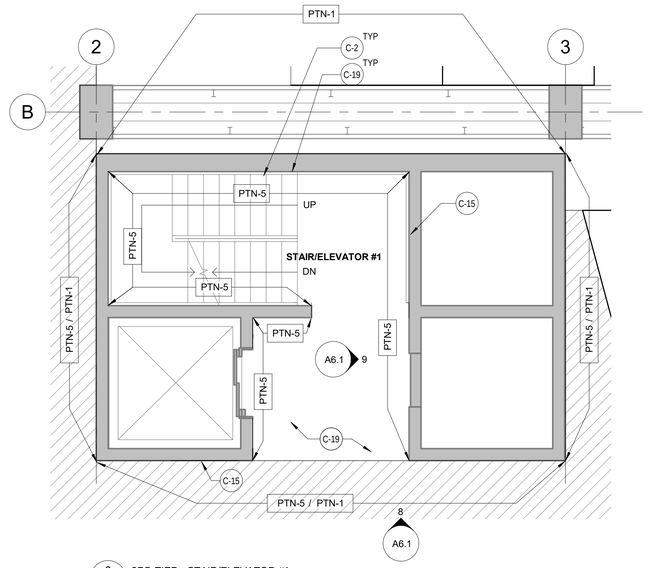
MAIN LOBBY ENLARGED PLANS & RELATED DETAILS

SHEET NO.

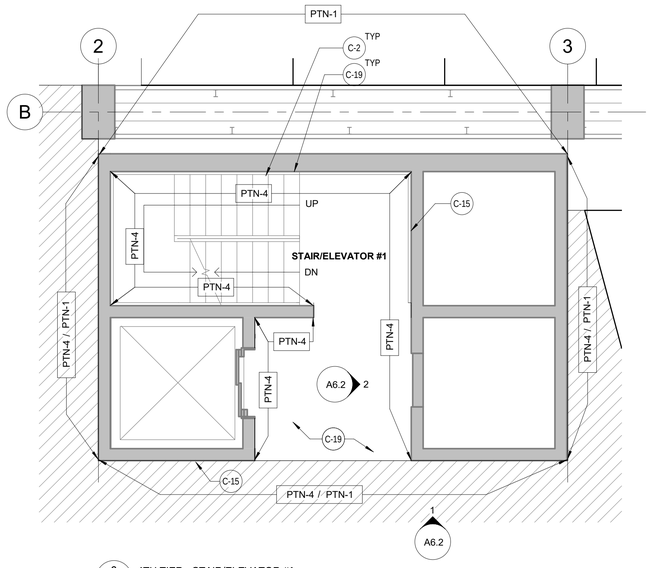
A4.1



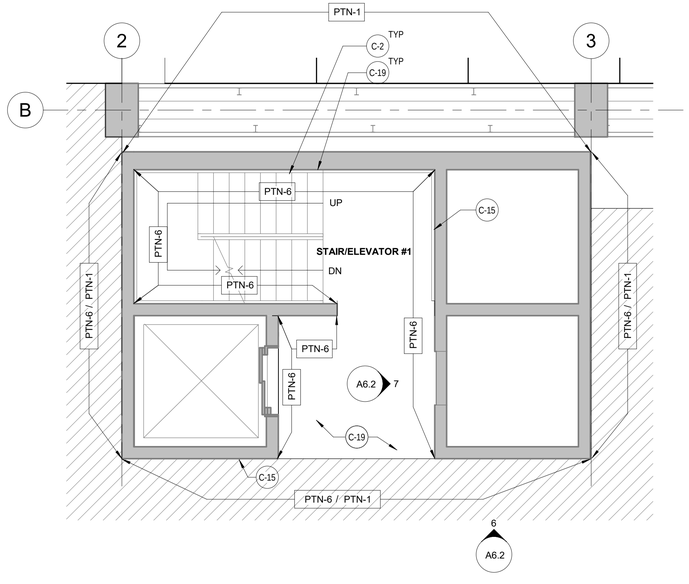
1 A4.2 2ND TIER - STAIR/ELEVATOR #1
1/4" = 1'-0"



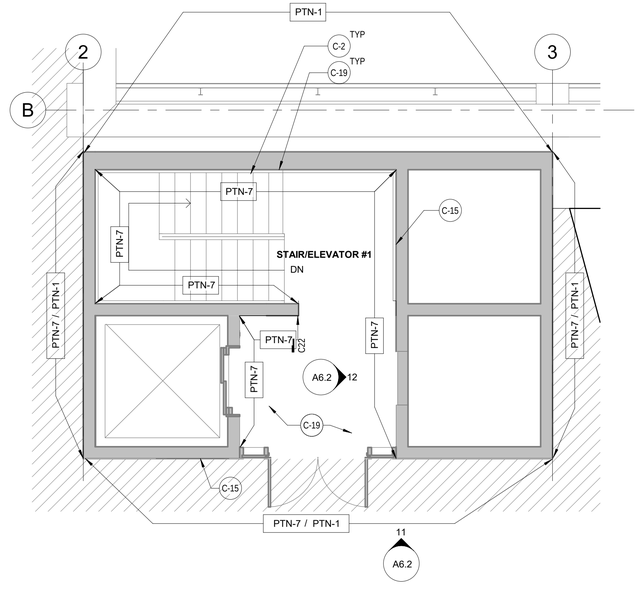
2 A4.2 3RD TIER - STAIR/ELEVATOR #1
1/4" = 1'-0"



3 A4.2 4TH TIER - STAIR/ELEVATOR #1
1/4" = 1'-0"



4 A4.2 5TH TIER - STAIR/ELEVATOR #1
1/4" = 1'-0"



5 A4.2 TOP TIER - STAIR/ELEVATOR #1
1/4" = 1'-0"

CONSTRUCTION KEYNOTES	
C-2	EXISTING HAND/GUARDRAILS, UNDERSIDE OF STAIRS, STRINGERS AND RISERS TO BE PREPARED PER PRODUCT REQUIREMENTS AND PAINTED - COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURE FULL RANGE OF STANDARD COLORS.
C-15	REFER TO INTERIOR ELEVATIONS FOR WALL GRAPHICS ADDITIONAL INFORMATION.
C-19	ALL FINISH SURFACES IN ELEVATOR LOBBY & STAIR TOWER TO BE CLEANED, PREPED AND PRIMED FOR PAINT IN NEW CONSTRUCTION, SEE INTERIOR ELEVATIONS AND/OR ENLARGED PLANS, TYP.
C-34	REPLACE EXISTING LIGHTING WITH NEW.
C-35	REPLACE EXISTING AC UNIT WITH NEW MINI-SPLIT SYSTEM HVAC UNIT.
C-37	PROVIDE AND INSTALL SECURITY CAGE AROUND NEW CONDENSING UNIT. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
FINISH LEGEND	
PTN-1	PAINTED CMU - SW7004 - SNOWBOUND - EGGSHELL
PTN-2	PAINTED CMU - SW6696 - QUILT GOLD - EGGSHELL
PTN-4	PAINTED CMU - SW6600 - ENTICING RED - EGGSHELL
PTN-5	PAINTED CMU - SW6368 - BAKELITE GOLD - EGGSHELL
PTN-6	PAINTED CMU - SW6711 - PARAKEET - EGGSHELL
PTN-7	PAINTED CMU - SW6801 - REGALE BLUE - EGGSHELL

LEGEND

- FLEXIBLE DELINEATOR
- PIPE BOLLARD
- PRECAST BOLLARD
- ACCESSIBLE PARKING SPACE
- 102 — DOOR NUMBER, SEE DOOR SCHEDULE
- WALL TYPES
- W1 — GLAZING SYSTEM TAG, SEE GLAZING SCHEDULE
- C-X — CONSTRUCTION KEYNOTE TAG
- XX-X — FINISH KEYNOTE TAG
- EXISTING WALL TO REMAIN
- NEW WALL
- PTN-X — FINISH FULL HEIGHT WALL
- FINISH FROM 3'-7" AFF TO UNDERSIDE OF DECK
- PNT-1 / PTN-2 — FINISH FROM TOP OF DECK TO 3'-7" AFF
- ROOM NAME / #'-#" — CEILING HEIGHT A.F.F.

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SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

NORTH

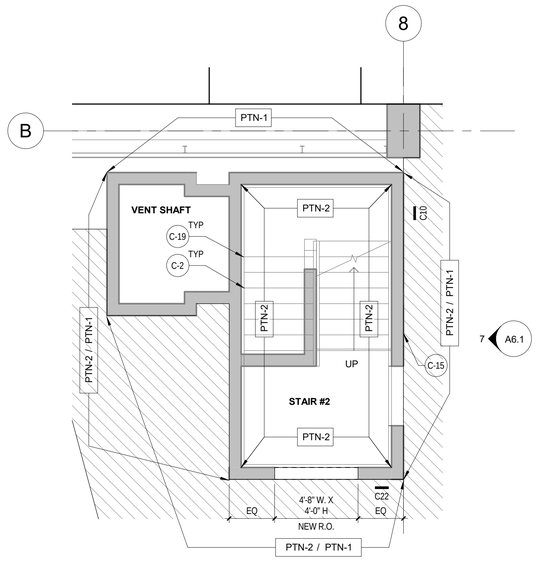
DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

SHEET TITLE:

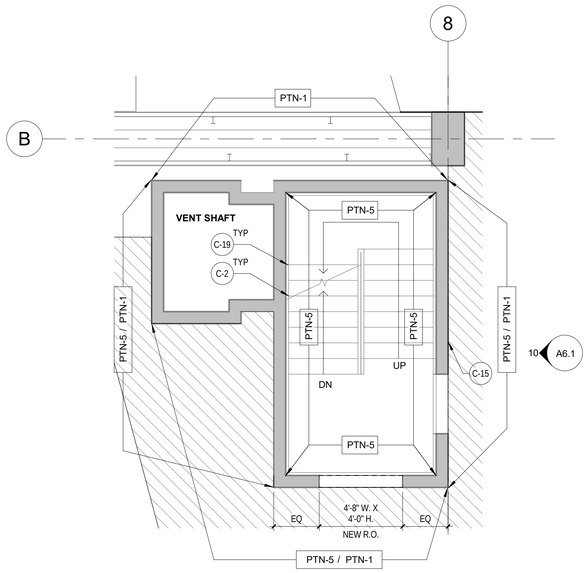
STAIR/ELEVATOR #1 ENLARGED PLANS

SHEET NO.

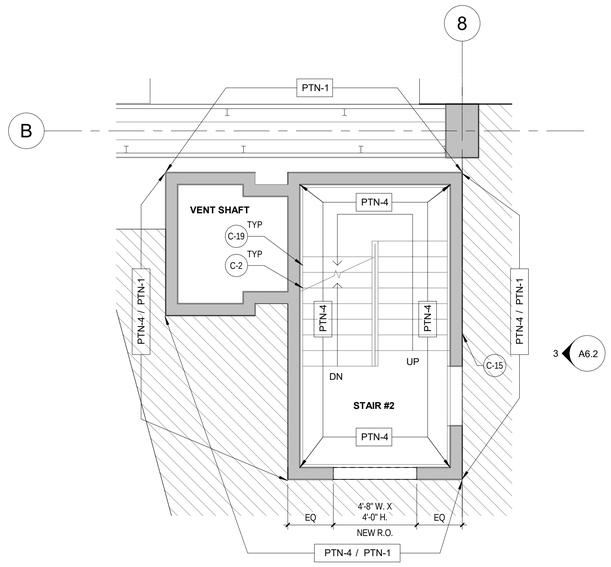
A4.2



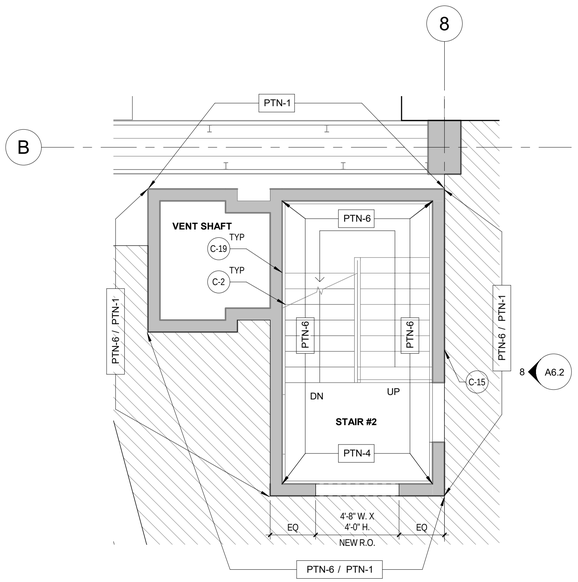
1 A4.3 2ND TIER - STAIR #2
1/4" = 1'-0"



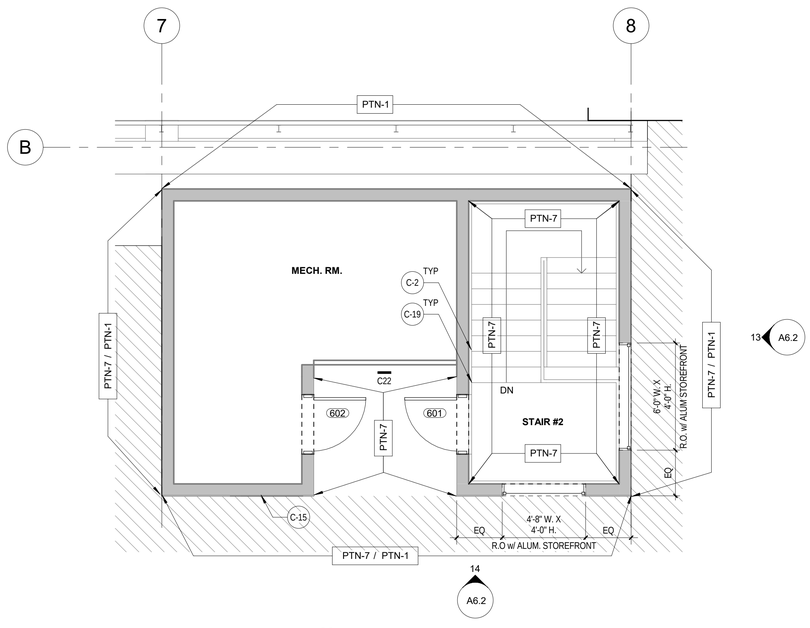
2 A4.3 3RD TIER - STAIR #2
1/4" = 1'-0"



3 A4.3 4TH TIER - STAIR #2
1/4" = 1'-0"



4 A4.3 5TH TIER - STAIR #2
1/4" = 1'-0"



5 A4.3 TOP TIER - STAIR #2
1/4" = 1'-0"

CONSTRUCTION KEYNOTES	
C-2	EXISTING HAND/GUARDRAILS, UNDERSIDE OF STAIRS, STRINGERS AND RISERS TO BE PREPARED PER PRODUCT REQUIREMENTS AND PAINTED - COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURE FULL RANGE OF STANDARD COLORS.
C-15	REFER TO INTERIOR ELEVATIONS FOR WALL GRAPHICS ADDITIONAL INFORMATION.
C-19	ALL FINISH SURFACES IN ELEVATOR LOBBY & STAIR TOWER TO BE CLEANED, PREPED AND PRIMED FOR PAINT IN NEW CONSTRUCTION, SEE INTERIOR ELEVATIONS AND/OR ENLARGED PLANS, TYP.

FINISH LEGEND	
PTN-1	PAINTED CMU - SW7004 - SNOWBOUND - EGGSHELL
PTN-2	PAINTED CMU - SW6696 - QUILT GOLD - EGGSHELL
PTN-4	PAINTED CMU - SW6600 - ENTICING RED - EGGSHELL
PTN-5	PAINTED CMU - SW6368 - BAKELITE GOLD - EGGSHELL
PTN-6	PAINTED CMU - SW6711 - PARAKEET - EGGSHELL
PTN-7	PAINTED CMU - SW6801 - REGALE BLUE - EGGSHELL

LEGEND

- FLEXIBLE DELINEATOR
- PIPE BOLLARD
- PRECAST BOLLARD
- ACCESSIBLE PARKING SPACE
- 102 — DOOR NUMBER, SEE DOOR SCHEDULE
- WALL TYPES
- W1 — GLAZING SYSTEM TAG, SEE GLAZING SCHEDULE
- C-X — CONSTRUCTION KEYNOTE TAG
- XX-X — FINISH KEYNOTE TAG
- EXISTING WALL TO REMAIN
- NEW WALL
- PTN-X — FINISH FULL HEIGHT WALL
- FINISH FROM 3'-7" AFF TO UNDERSIDE OF DECK
- PNT-1 / PTN-2
- FINISH FROM TOP OF DECK TO 3'-7" AFF
- ROOM NAME / #'-#" — CEILING HEIGHT A.F.F.

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BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

NORTH

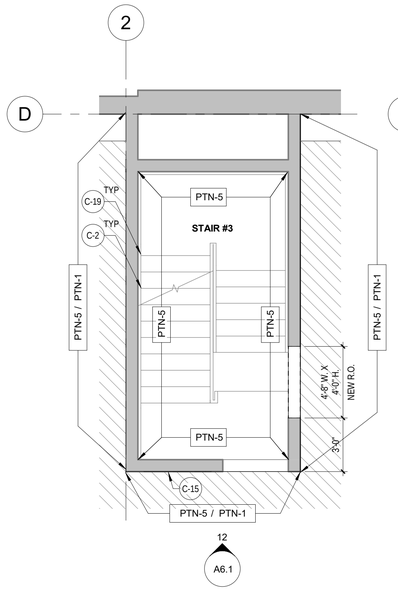
DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

SHEET TITLE:

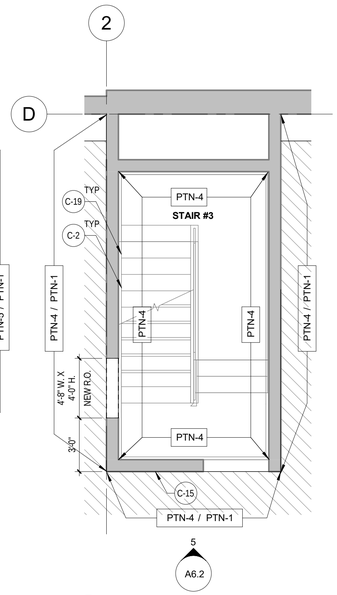
STAIR #2 ENLARGED PLANS

SHEET NO.

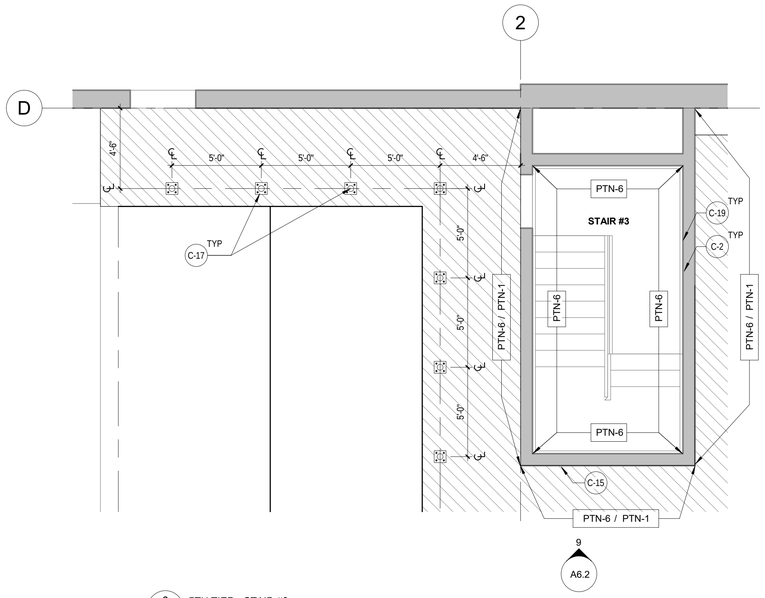
A4.3



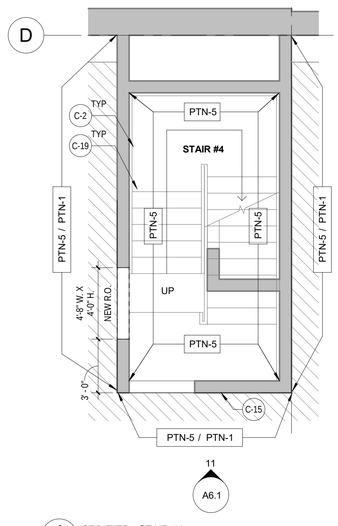
1 A4.4 3RD TIER - STAIR #3
1/4" = 1'-0"



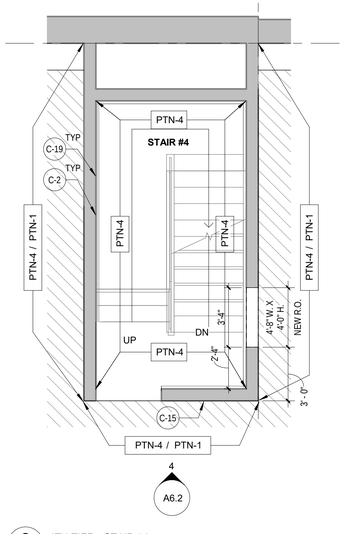
2 A4.4 4TH TIER - STAIR #3
1/4" = 1'-0"



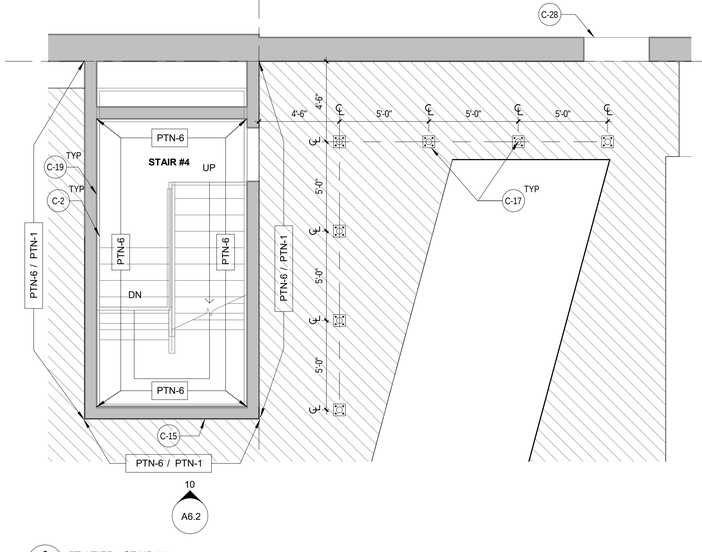
3 A4.4 5TH TIER - STAIR #3
1/4" = 1'-0"



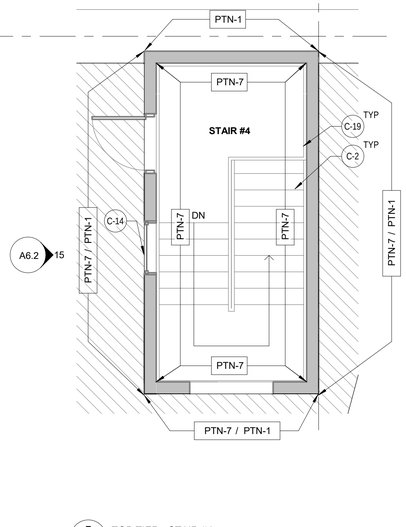
4 A4.4 3RD TIER - STAIR #4
1/4" = 1'-0"



5 A4.4 4TH TIER - STAIR #4
1/4" = 1'-0"



6 A4.4 5TH TIER - STAIR #4
1/4" = 1'-0"



7 A4.4 TOP TIER - STAIR #4
1/4" = 1'-0"

CONSTRUCTION KEYNOTES	
C-2	EXISTING HAND/GUARDRAILS, UNDERSIDE OF STAIRS, STRINGERS AND RISERS TO BE PREPARED PER PRODUCT REQUIREMENTS AND PAINTED - COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURE FULL RANGE OF STANDARD COLORS.
C-14	EXISTING WINDOW TO REMAIN.
C-15	REFER TO INTERIOR ELEVATIONS FOR WALL GRAPHICS ADDITIONAL INFORMATION.
C-17	PIPE BOLLARDS, TYP.
C-19	ALL FINISH SURFACES IN ELEVATOR LOBBY & STAIR TOWER TO BE CLEANED, PREPED AND PRIMED FOR PAINT IN NEW CONSTRUCTION, SEE INTERIOR ELEVATIONS AND/OR ENLARGED PLANS, TYP.
C-28	V.I.F. EXISTING DOOR AND FRAME

FINISH LEGEND	
PTN-1	PAINTED CMU - SW7004 - SNOWBOUND - EGGSHELL
PTN-4	PAINTED CMU - SW6600 - ENTICING RED - EGGSHELL
PTN-5	PAINTED CMU - SW6368 - BAKELITE GOLD - EGGSHELL
PTN-6	PAINTED CMU - SW6711 - PARAKEET - EGGSHELL
PTN-7	PAINTED CMU - SW6801 - REGALE BLUE - EGGSHELL

LEGEND

- FLEXIBLE DELINEATOR
- PIPE BOLLARD
- PRECAST BOLLARD
- ACCESSIBLE PARKING SPACE
- 102 — DOOR NUMBER, SEE DOOR SCHEDULE
- WALL TYPES
- W1 — GLAZING SYSTEM TAG, SEE GLAZING SCHEDULE
- C-X — CONSTRUCTION KEYNOTE TAG
- XX-X — FINISH KEYNOTE TAG
- EXISTING WALL TO REMAIN
- NEW WALL
- PTN-X — FINISH FULL HEIGHT WALL
- FINISH FROM 3'-7" AFF TO UNDERSIDE OF DECK
- PNT-1 / PTN-2
- FINISH FROM TOP OF DECK TO 3'-7" AFF
- ROOM NAME, #'-#" — CEILING HEIGHT A.F.F.

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BID DOCUMENTS
04/11/2022

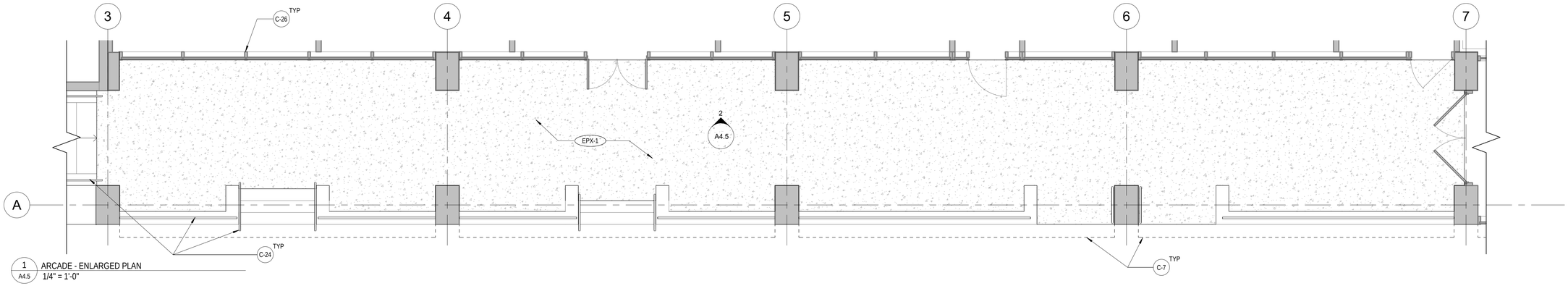
NO.	DESCRIPTION	DATE

NORTH

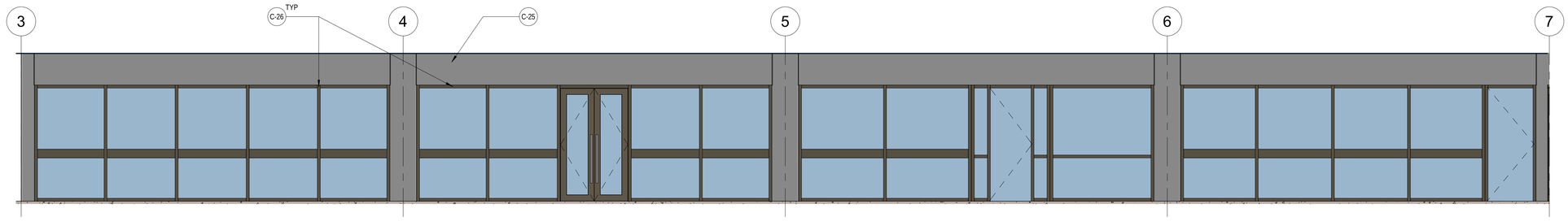
DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

SHEET TITLE:
STAIR #3 & #4 ENLARGED PLANS

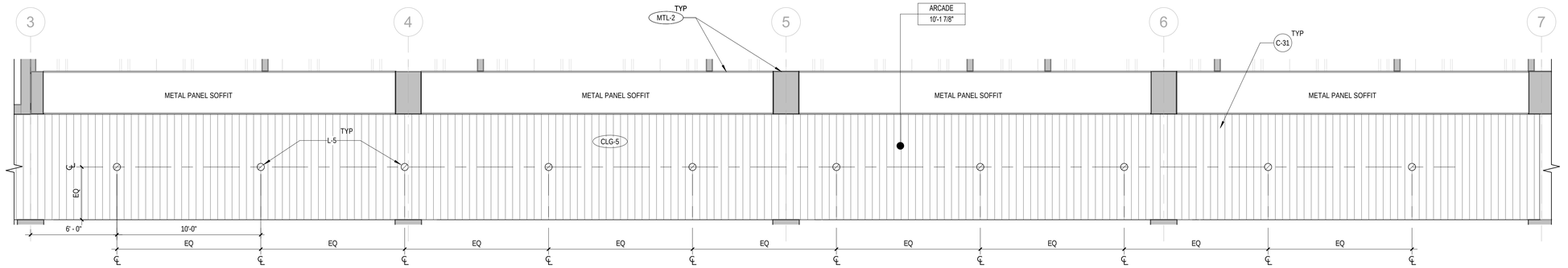
SHEET NO.
A4.4



1 A4.5 ARCADE - ENLARGED PLAN
1/4" = 1'-0"



2 A4.5 ARCADE STOREFRONT ELEVATION
1/4" = 1'-0"



3 A4.5 ARCADE REFLECTED CEILING PLAN
1/4" = 1'-0"

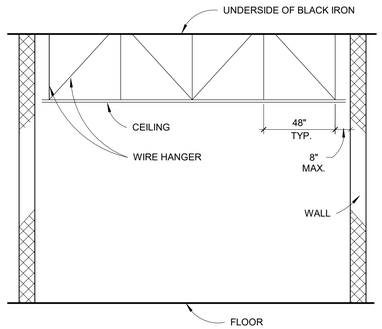
NOTE:

1. FOR FULL INSTALLATION REQUIREMENTS OF CEILING SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANELS, COMPLY WITH ASTM E 580.
2. REFER TO DETAIL 4 ON THIS SHEET FOR TREATMENT OF TERMINAL ENDS OF SUSPENSION MEMBERS.
3. ALL CEILING PENETRATIONS AND INDEPENDENTLY SUPPORTED FIXTURES OR SERVICES SHALL HAVE A MINIMUM 3/8 IN. CLEARANCE ON ALL SIDES.
4. ALL LIGHTING FIXTURES AND SERVICES WITHIN THE CEILING, SUCH AS FLEXIBLE SPRINKLER HOSE FITTINGS, AIR TERMINALS OR OTHER DEVICES, SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM UNLESS INDEPENDENTLY SUPPORTED.
5. POSITIVE ATTACHMENT IS SPECIFICALLY DEFINED BY ICC ACCEPTANCE CRITERIA AC 184. ANY CLIPS OR ATTACHMENT DEVICES USED MUST COMPLY WITH AC 184.
6. IN ADDITION TO POSITIVE ATTACHMENT, ALL LIGHTING FIXTURES AND SERVICES WITHIN THE CEILING SHALL BE SUPPORTED TO THE STRUCTURE WITH SLACK SAFETY WIRE(S) ACCORDING TO THEIR WEIGHT AND TYPE, AS DESCRIBED IN ASTM E 580.
7. ALL VERTICAL WIRES SHALL BE ATTACHED TO CEILING SUSPENSION MEMBERS WITH A MINIMUM OF THREE FULL TURNS.
8. VERTICAL STRUT SHALL BE INSTALLED AT EACH SET OF SPLAY WIRES-200-POUND DESIGN FORCE.

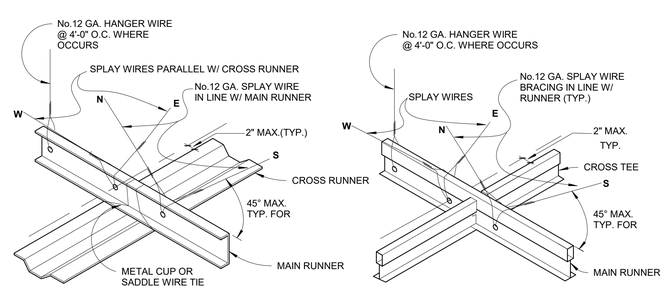
CONSTRUCTION KEYNOTES	
C-7	NEW AWNINGS TO MATCH EXITING. INSTALLATION AS PER MANUFACTURE SPECS, TYP.
C-24	NEW GUARDRAILS.
C-25	NEW INSULATED METAL PANEL
C-26	EXISTING STOREFRONT SYSTEM TO REMAIN, GC TO PROTECT DURING CONSTRUCTION.
C-31	COORDINATE NEW BLACK IRON FOR SUSPENDED CEILING SYSTEM WITH EXISTING STRUCTURE ABOVE. V.I.F. EXISTING CONDITION AND COORDINATE WITH EXISTING BLACK IRON AS NECESSARY.

FINISH LEGEND	
CLG-5	LINEAR METAL CEILING SYSTEM. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURE FULL RANGE OF STANDARD COLORS.
EPX-1	EPOXY FLOOR - COLOR A
MTL-2	INSULATED METAL PANELS

LIGHTING KEYNOTES	
L-5	RECESSED LIGHTING FIXTURE, TYP.



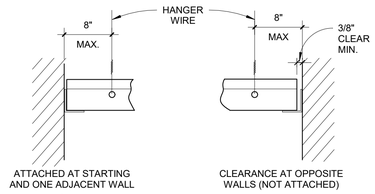
4 A4.5 SUSP. CEIL. SEISMIC RESTRAINT
1" = 1'-0"



NOTE:

1. HANGER WIRES "N" AND "S" ARE IN THE SAME VERTICAL PLANE AS THE MAIN RUNNER. HANGER WIRES "E" AND "W" ARE IN THE VERTICAL PLANES PERPENDICULAR TO THE MAIN RUNNER.

5 A4.5 TYPICAL CEILING BRACING
1" = 1'-0"



NOTE:

1. DETAIL APPLICABLE AT SUSPENDED CEILING EXCEEDING 144 SQ. FT.
2. PROVIDE SEISMIC PERIMETER CLIPS FOR DIRECT ATTACHMENT OF SUSPENSION MEMBERS TO THE WALL ON TWO SIDES AS SHOWN ABOVE.
3. HORIZONTAL RESTRAINT (SPLAYED NO. 12 WIRE) REQUIRED AT SUSPENDED CEILINGS EXCEEDING 400 SQ.FT.
4. PROVIDE ENGINEERED DESIGN TO COMPLY WITH REQUIREMENTS OF SEISMIC LOADS PER CODE. SEE STRUCTURAL DWGS. FOR SEISMIC LOAD INFORMATION. INCLUDE WEIGHTS OF ALL DEVICES TO BE SUPPORTED BY THE SUSPENSION SYSTEM.

6 A4.5 CEILING BORDER
1" = 1'-0"

LEGEND	
	FLEXIBLE DELINEATOR
	PIPE BOLLARD
	PRECAST BOLLARD
	ACCESSIBLE PARKING SPACE
102	DOOR NUMBER, SEE DOOR SCHEDULE
	WALL TYPES
W1	GLAZING SYSTEM TAG, SEE GLAZING SCHEDULE
C-X	CONSTRUCTION KEYNOTE TAG
XX-X	FINISH KEYNOTE TAG
	EXISTING WALL TO REMAIN
	NEW WALL
PTN-X	FINISH FULL HEIGHT WALL
	FINISH FROM 3'-7" AFF TO UNDERSIDE OF DECK
PNT-1 / PTN-2	
	FINISH FROM TOP OF DECK TO 3'-7" AFF
ROOM NAME #'-#"	CEILING HEIGHT A.F.F.

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BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

NORTH

DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

SHEET TITLE:

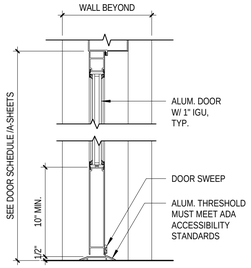
ENLARGED ARCHITECTURAL PLANS

SHEET NO.

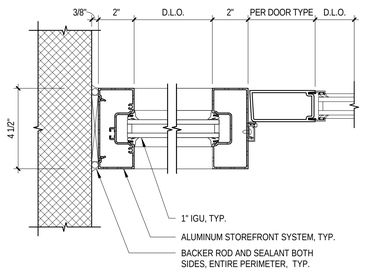
A4.5

DOOR AND FRAME SCHEDULE

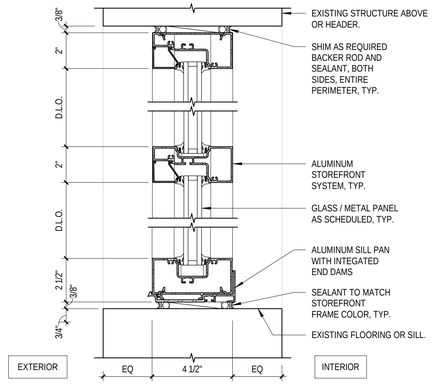
DOOR NO.	LOCATION	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICKNESS	DOOR TYPE	DOOR MATERIAL	FIRE-RATING LABEL	FRAME TYPE	FRAME MATERIAL	FRAME HEAD & JAMB	HARDWARE SET NO.	REMARKS
ELEVATOR LOBBY												
100	ELEVATOR LOBBY	6'-0"	7'-0"	1 3/4"	B	ALUM./GLASS		2	ALUM.	1 & 2 / GA5.1	1.0	DOUBLE DOOR STOREFRONT SEE DETAIL 3 / GA5.1 FOR SIDELITE. INCLUDE DOOR SWEEP
101	ELEVATOR LOBBY	3'-4"	7'-0"	1 3/4"	A	H.M.		1	H.M.	6 / GA5.1	2.0	SECURITY OFFICE COORDINATE WITH EXIST. LOCKSET TO MATCH.
102	ELECT. ROOM	3'-4"	7'-0"	1 3/4"	A	H.M.		1	H.M.	6 / GA5.1	2.0	
103	BOLIER ROOM	3'-4"	7'-0"	1 3/4"	A	H.M.		1	H.M.	6 / GA5.1	2.0	
104	STORAGE	3'-0"	7'-0"	1 3/4"	A	H.M.		1	H.M.	6 / GA5.1	2.0	
2ND TIER												
201	STORAGE	3'-0"	7'-0"	1 3/4"	A	H.M.		1	H.M.	6 / GA5.1	2.0	
TOP TIER												
601	STAIR #2	3'-0"	7'-0"	1 3/4"	A	H.M.		1	H.M.	6 / GA5.1	3.0	EGRESS DOOR, PROVIDE EXITING DEVICE TO MATCH EXISTING
602	MECHANICAL ROOM	3'-0"	7'-0"	1 3/4"	A	H.M.		1	H.M.	6 / GA5.1	2.0	



1 / A5.1 ALUMINUM DOOR SILL / HEAD DETAIL
1 1/2" = 1'-0"

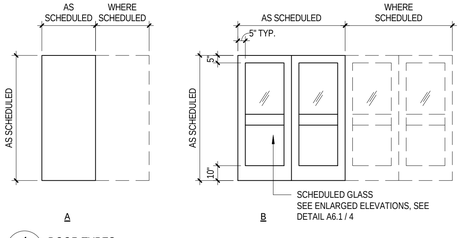


2 / A5.1 STOREFRONT DOOR AND SIDELITE JAMB DETAIL
3" = 1'-0"

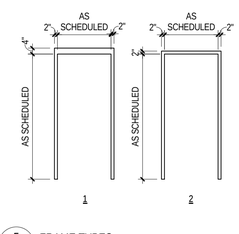


3 / A5.1 HEAD, INTERMEDIATE & SILL DETAIL @ MAIN LOBBY
3" = 1'-0"

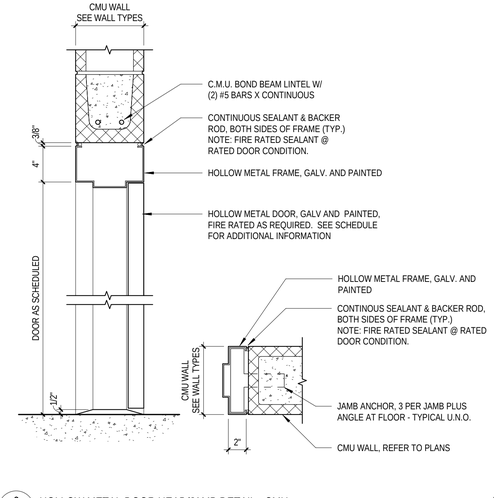
NOTES:
- ALL NEW DOORS AND FRAMES TO BE PRIME AND PAINTED, FINISH COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURE FULL RANGE OF STANDARD COLORS.



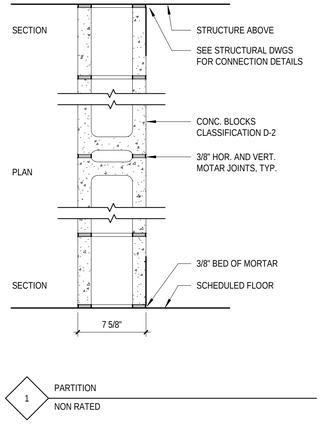
4 / A5.1 DOOR TYPES
1/4" = 1'-0"



5 / A5.1 FRAME TYPES
1/4" = 1'-0"



6 / A5.1 HOLLOW METAL DOOR HEAD/JAMB DETAIL - CMU
1 1/2" = 1'-0"



7 / A5.1 WALL TYPES
1 1/2" = 1'-0"

Project Scope – Bank A

Number of Units	1	Capacity	3000
Type	HX	Speed	150
Unit Numbers	01	# of stops	6
Jack Type	Borehole	# of openings	6 Front

Description of Work	Type	Option
Machine Room		
Control and Power Unit (Control, Power Unit, Valve, Pump, Pump Motor, Muffler, HFI, CFI, Hush Kit)	HX Controller + Power Unit	New
Schindler Ahead (Enable)		New
Governor		
Battery Lowering		New
Oil Cooling Unit	HX	New
Oil Feed Line		Reuse
Tank Heater		New
Rupture Valve	Rupture Valve 2.5"	New
Machine Room Wiring		New
Door Operator		
Door Operator: Front	GAL MOVFE - 1SCO	New
Clutch: Front		New
Door Gibs		New
Door Fire Tabs		New
Electronic Door Detector: Front	Cedes Minimax 159 Light Curtain	New
Hoistway Door Equipment		
Door Tracks	GAL - 1SCO	New
Door Hangers		Included
Pickup Assemblies		Included
Spirators		Included
Sill Closers		Included
Door Interlocks		Included
Hoistway Doors	SS#4 – All Landings	New
Car and Hall Fixtures – Vandal Resistant		
Code Compliant Main COP	QPAC (Includes COP Wiring Kit)	New
Car PI	QPAC - In COP	New
Car Lantern	QPAC - Car Lantern	New
Access Switch	QPAC - Top & Bottom Sight Guard	New
Hall Pushbutton Station	QPAC - Flush	New
Fixture Finish	#4 Stainless Steel	New
Car and Hoistway		
Hoistway Wiring	Traveling Cable + Hoistway Wiring	New
Car Top Inspection Station and Work Light	HX	New
Car top railing	Front Opening	New
Cab fan		New
Car Door: Front	SS#4	New
Car roller guides	ELSCO Model B - Neoprene (4 per car)	New
Spring Buffers		Reuse
Car Rails		Reuse
Cab Interior		Reuse
Jack Assembly		Reuse
Packing		New

All other systems and components not noted above will be reused and integrated into the new elevator system.

Cab Interiors Scope – Bank: A

Description of Work	Included in Proposal
Cab Interior	
New Cab Complete - SS#4 Finish	New
Ceiling / Lighting – SS#4 Finish – LED type lights	New
Cab Returns – Clad SS#4	New
Wall Panels	New
Front Car Door	New
Handrails	New
Front Car Sill	New
Fan	New
Emergency Exit Switch	New

CONTRACTOR TO PROVIDE THE FOLLOWING REQUIREMENTS BASED ON ANSI A17.1 CODE, THE GOVERNING CODE, EXCEPT WHEN APPLICABLE CODES CONFLICT WITH ANSI A17.1 CODE. RULES REFERENCED ARE ANSI A17.1 RULES

Hoistway

1. Provide 75-degree bevel guards on all projections, recesses or setbacks over two inches, except for the loading or unloading side. Rule 100.6.
2. Provide pit light and GFI outlet. Light switch to be located adjacent to each pit entrance.
3. Provide a legal hoistway inclusive of ventilation and shaftway bevel guards, as required.
4. Cutting and patching walls and floors.
6. Provide a lockable, self-closing, fire-rated pit door, where required.
7. Hoistway venting or pressurization to prevent accumulation of smoke and gas, as required by Local Building Code.

Machine Room

1. Enclose/relocate all non-elevator oriented conduit, ducts and drains from elevator machine room, where required in the machine hoistway and/or pit. Enclosures, when used, need to be two-hour rated.
2. Provide means to regulate control room temperature and humidity between 55° F and 90° F with relative humidity no more than 85% non-condensing. Peak equipment heat release is a minimum of 6,000 BTU/Hour/Unit (maximum = 9,000 BTU/Hour/Unit) for a Hydraulic unit.
3. Provide machine room smoke/heat detector as required by regulation. In the event sprinklers are anticipated within the machine room area, means to remove primary power prior to the application of water must be provided as required by code.
4. Provide new electric wiring from the present disconnect switches to the terminals of the new elevator controllers in the new locations, inclusive of a normal/standby 120 VAC, 15 AMP supply at each controller.
5. Provide connection at the first elevator controller for fire recall operation, where auto-recall is needed to respond to a life safety/fire alarm system.
6. Provide proper lighting in the elevator machine rooms within the vicinity of every controller and mainline disconnect per code requirements.
7. Provide a fused disconnect switch or circuit breaker and a light switch adjacent to the lock jamb-side of the machine room door for each elevator location, per the National Electric Code. Rule 210.5 and NFPA No. 70 Rule 620-51. Provide auxiliary disconnects, as required, based on the elevator contractor's drawings.
8. Provide copper wire feeder and branch wiring circuits to the controller, including a main line switch and convenience outlets.
9. Provide a telephone outlet near an elevator controller in each machine room.
10. Provide a self-closing and locking access machine room door.
11. Provide an "ABC" fire extinguisher.
12. Interfacing to and updating the existing fire life safety systems to meet current code requirements.
13. A separate 20 amp circuit will be provided if tank heater is provided with the elevator.

General Requirements

1. Provide sufficient space for storage of materials on site throughout the duration of the modernization.
2. Provide clear floor space to be used as a work area.
3. If not presently outfitted, each elevator lobby should be equipped with smoke detectors, which can be used to initiate automatic fire recall. Actuation from water flow sensing or the general building alarm may require special approval.
4. Paint new or modified hoistway equipment to match building aesthetics, as required.
5. Provide building signage and floor designations related to other building systems, as required.
6. Provide building corridor lighting sufficient for illumination of elevator landing sills, as required by code.

Electrical Requirements

1. The permissible voltage drop for elevator feeders shall not exceed 3% between the service delivered to the building and our supply terminal.
2. All three legs of the three-phase feeder must be hot with respect to ground and balanced to each other with no more than a 5% variation between individual legs.
3. The maximum permissible voltage variation measured in the machine room under all operating conditions shall not exceed plus or minus 10% of the nominal building supply power source voltage.
4. A 20-amp, single phase, 110VAC, dedicated circuit with a duplex receptacle for the oil heater unit.

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PROJECT NO.
NBR20136.01

PROJECT

Yonkers GCG Restoration

PARKING GARAGE

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SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

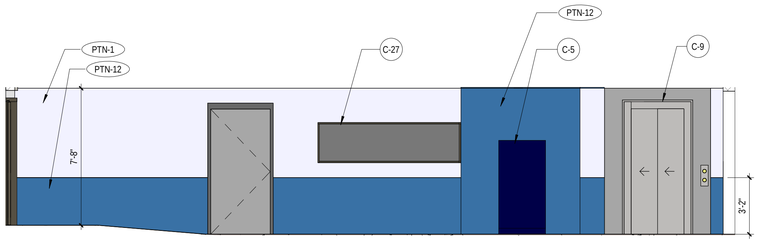
NORTH

SHEET TITLE:

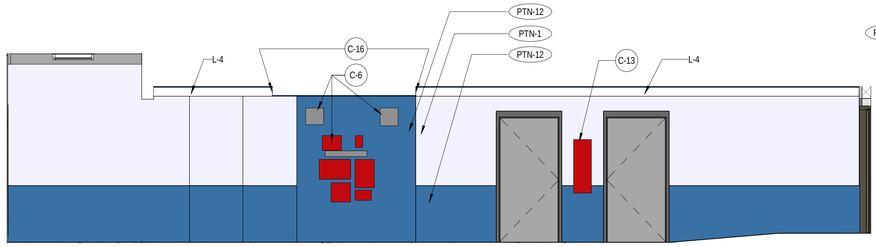
DOOR SCHEDULE & DETAILS, ELEV. MODERNIZATION REQ., WALL TYPES AND MISC. DETAILS

SHEET NO.

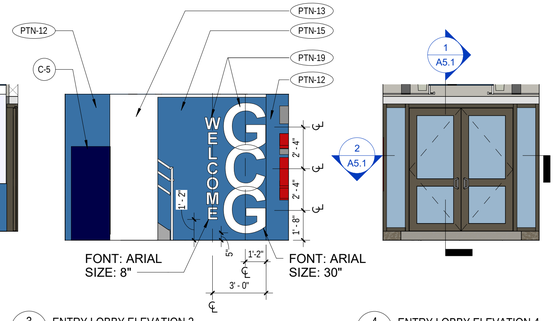
A5.1



1 A6.1 ENTRY LOBBY ELEVATION 1
1/4" = 1'-0"

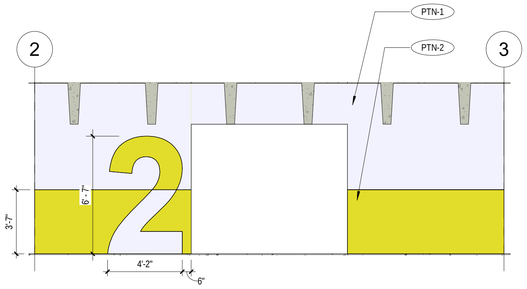


2 A6.1 ENTRY LOBBY ELEVATION 2
1/4" = 1'-0"

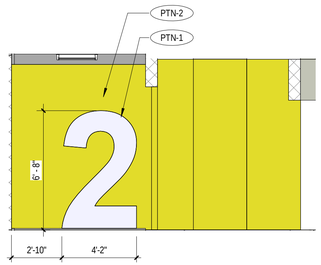


3 A6.1 ENTRY LOBBY ELEVATION 3
1/4" = 1'-0"

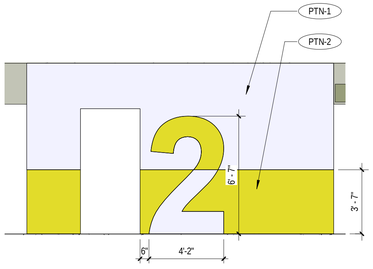
4 A6.1 ENTRY LOBBY ELEVATION 4
1/4" = 1'-0"



5 A6.1 2ND TIER STAIR/ELEVATOR #1 - ELEVATION 1
1/4" = 1'-0"

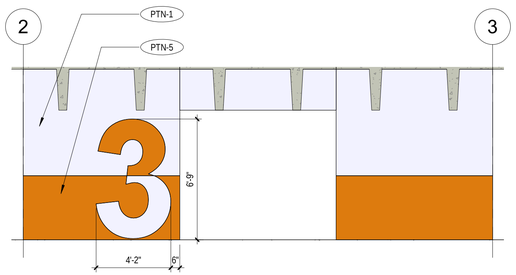


6 A6.1 2ND TIER STAIR/ELEVATOR #1 - ELEVATION 3
1/4" = 1'-0"

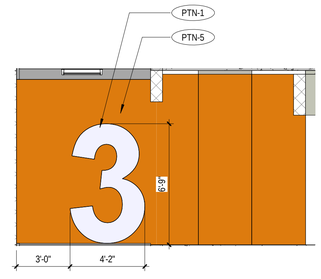


7 A6.1 2ND TIER STAIR #2 - ELEVATION 1
1/4" = 1'-0"

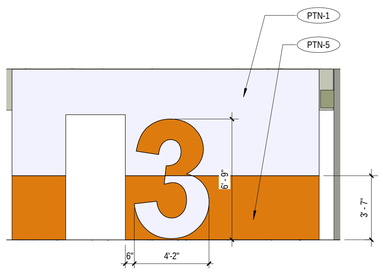
FINISH LEGEND	
PTN-1	PAINTED CMU - SW7004 - SNOWBOUND - EGGSHELL
PTN-2	PAINTED CMU - SW6696 - QUILT GOLD - EGGSHELL
PTN-5	PAINTED CMU - SW6368 - BAKELITE GOLD - EGGSHELL
PTN-12	PAINTED CMU - SW6803 - DANUBE - EGGSHELL
PTN-13	PAINTED CMU - SW7004 - SNOWBOUND - EGGSHELL
PTN-15	PAINTED PRECAST - SW6803 - DANUBE - EGGSHELL
PTN-19	PAINTED PRECAST - SW7004 - SNOWBOUND - EGGSHELL



8 A6.1 3RD TIER STAIR/ELEVATOR #1 - ELEVATION 1
1/4" = 1'-0"

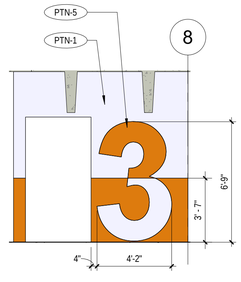


9 A6.1 3RD TIER STAIR/ELEVATOR #1 - ELEVATION 2
1/4" = 1'-0"

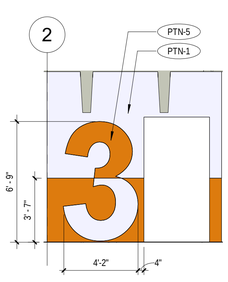


10 A6.1 3RD TIER STAIR #2 - ELEVATION 1
1/4" = 1'-0"

CONSTRUCTION KEYNOTES	
C-5	RELOCATED PAY ON FOOT MACHINE. REFER TO MEP DRAWINGS.
C-6	RELOCATED FIRE PANELS, REFER TO MEP DRAWINGS.
C-9	ELEVATOR MODERNIZATION PER SPECIFICATION AND REQUIREMENTS AS IDENTIFIED ON SHEET A5.1 AND SPECIFICATIONS.
C-13	EXISTING RECESSED FIRE ANNUNCIATOR PANEL TO BE TRACED BACK TO THE SOURCE. IF PANEL IS NO LONGER IN USE, CONTRACTOR IS TO INFORM THE ARCHITECT FOR REMOVAL AND REPLACE WITH A METAL PANEL.
C-16	PAY ON FOOT MACHINE SIGN.
C-27	EXISTING SECURITY WINDOW TO REMAIN. GC TO PROTECT DURING CONSTRUCTION.



11 A6.1 3RD TIER STAIR #3 - ELEVATION
1/4" = 1'-0"



12 A6.1 3RD TIER STAIR #4 - ELEVATION
1/4" = 1'-0"

WALL GRAPHICS NOTES
• FONT: ARIAL • SIZE: 78" TYPICAL UNLESS NOTED OTHERWISE. • ALL LETTERING WALL GRAPHICS SHALL ALIGN WITH FINISHED FLOOR UNLESS NOTED OTHERWISE

KEYNOTE LEGEND	
D-X	DEMOLITION KEYNOTE TAG
C-X	CONSTRUCTION KEYNOTE TAG
XX-X	FINISH KEYNOTE TAG
LT-X	LIGHTING KEYNOTE TAG
PNT-1 / PTN-2	FINISH FROM 3'-7" AFF TO BOTTOM OF DECK FINISH FROM TOP OF DECK TO 3'-7" AFF
XXX XXX	SIGNAGE KEYNOTE, SEE SHEETS G1.1, G1.2 & G1.3 FOR SCHEDULE AND RELATED DETAILS

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PROJECT NO.
NBR20136.01

PROJECT

Yonkers GCG Restoration

PARKING GARAGE

118 New Main St,
Yonkers, NY 10701

SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

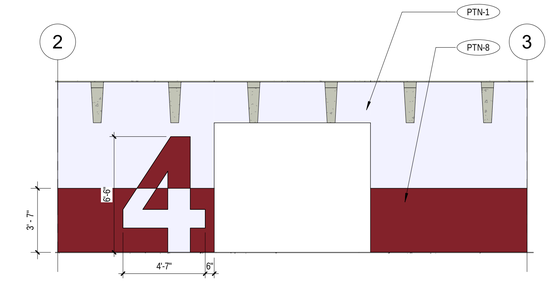
NORTH

SHEET TITLE:

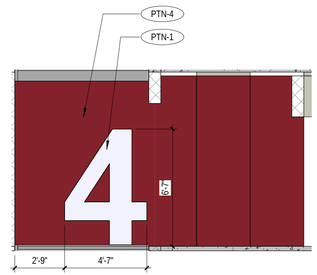
MAIN LOBBY & STAIR TOWERS INTERIOR ELEVATIONS

SHEET NO.

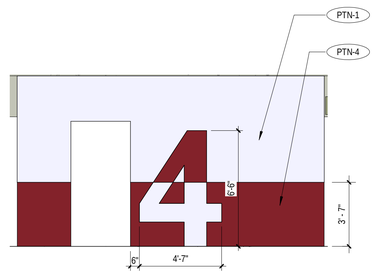
A6.1



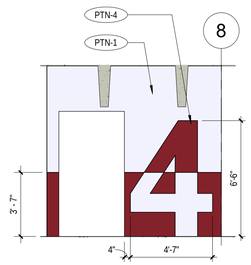
1 A6.2 4TH TIER STAIR/ELEVATOR #1 - ELEVATION 1
1/4" = 1'-0"



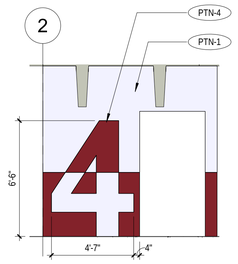
2 A6.2 4TH TIER STAIR/ELEVATOR #1 - ELEVATION 2
1/4" = 1'-0"



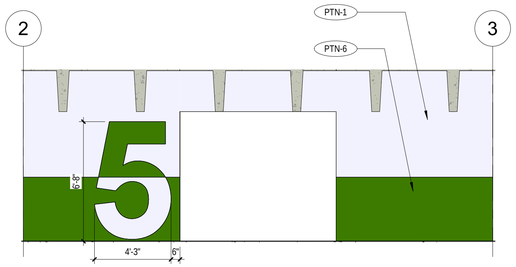
3 A6.2 4TH TIER STAIR #2 - ELEVATION 1
1/4" = 1'-0"



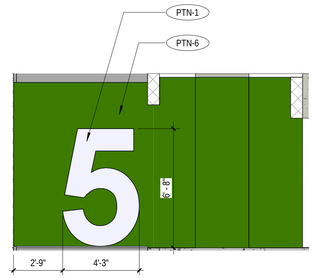
4 A6.2 4TH TIER STAIR #3 - ELEVATION
1/4" = 1'-0"



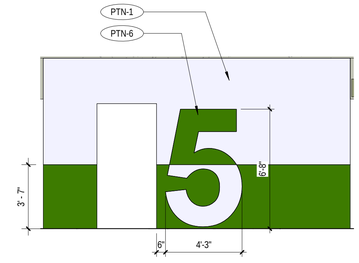
5 A6.2 4TH TIER STAIR #4 - ELEVATION
1/4" = 1'-0"



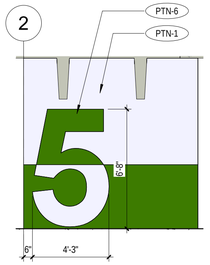
6 A6.2 5TH TIER STAIR/ELEVATOR #1 - ELEVATION 1
1/4" = 1'-0"



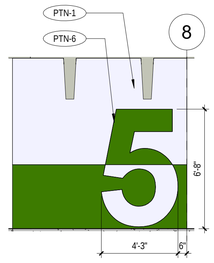
7 A6.2 5TH TIER STAIR/ELEVATOR #1 - ELEVATION 2
1/4" = 1'-0"



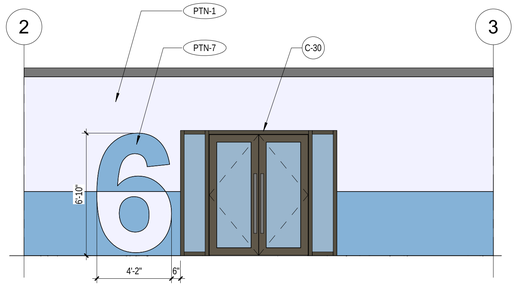
8 A6.2 5TH TIER STAIR #2 - ELEVATION 1
1/4" = 1'-0"



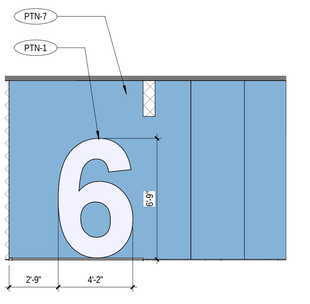
9 A6.2 5TH TIER STAIR #3 - ELEVATION
1/4" = 1'-0"



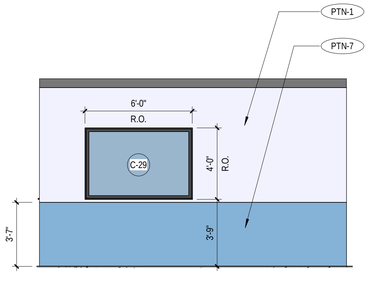
10 A6.2 5TH TIER STAIR #4 - ELEVATION
1/4" = 1'-0"



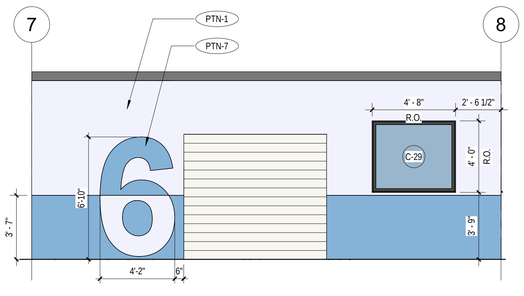
11 A6.2 TOP TIER STAIR/ELEVATOR 1# - ELEVATION 1
1/4" = 1'-0"



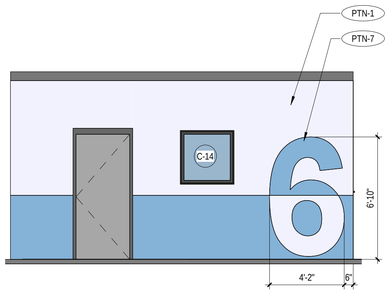
12 A6.2 TOP TIER STAIR/ELEVATOR 1# - ELEVATION 2
1/4" = 1'-0"



13 A6.2 TOP TIER STAIR #2 - ELEVATION 1
1/4" = 1'-0"



14 A6.2 TOP TIER STAIR #2 - ELEVATION 2
1/4" = 1'-0"



15 A6.2 TOP TIER STAIR #3 - ELEVATION 3
1/4" = 1'-0"

FINISH LEGEND	
PTN-1	PAINTED CMU - SW7004 - SNOWBOUND - EGGSHELL
PTN-4	PAINTED CMU - SW6600 - ENTICING RED - EGGSHELL
PTN-6	PAINTED CMU - SW6711 - PARAKEET - EGGSHELL
PTN-7	PAINTED CMU - SW6801 - REGALE BLUE - EGGSHELL
PTN-8	PAINTED PRECAST - SW6600 - ENTICING RED - EGGSHELL

CONSTRUCTION KEYNOTES	
C-14	EXISTING WINDOW TO REMAIN.
C-29	NEW OPENING TO BE FILLED WITH STOREFRONT WINDOW, SEE STRUCTURAL DRAWINGS AND DETAIL 3/A5.1
C-30	EXISTING STOREFRONT SYSTEM TO REMAIN.

WALL GRAPHICS NOTES

- FONT: ARIAL
- SIZE: 78" TYPICAL UNLESS NOTED OTHERWISE.
- ALL LETTERING WALL GRAPHICS SHALL ALIGN WITH FINISHED FLOOR UNLESS NOTED OTHERWISE

KEYNOTE LEGEND

D-X	DEMOLITION KEYNOTE TAG
C-X	CONSTRUCTION KEYNOTE TAG
XX-X	FINISH KEYNOTE TAG
LT-X	LIGHTING KEYNOTE TAG
PNT-1 / PTN-2	FINISH FROM 3'-7" AFF TO BOTTOM OF DECK
	FINISH FROM TOP OF DECK TO 3'-7" AFF
XX \ XXX	SIGNAGE KEYNOTE, SEE SHEETS G1.1, G1.2 & G1.3 FOR SCHEDULE AND RELATED DETAILS

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PROJECT NO.
NBR20136.01

PROJECT

Yonkers GCG Restoration

PARKING GARAGE

118 New Main St,
Yonkers, NY 10701

SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

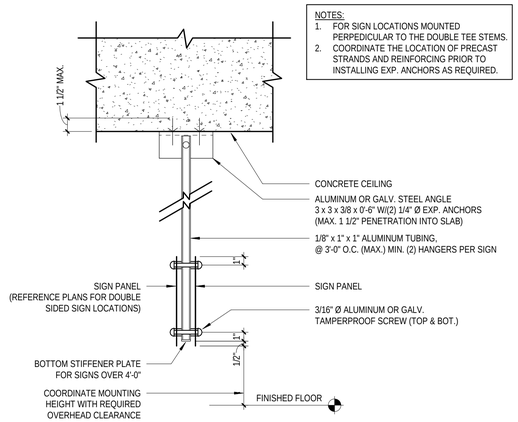
NORTH

SHEET TITLE:

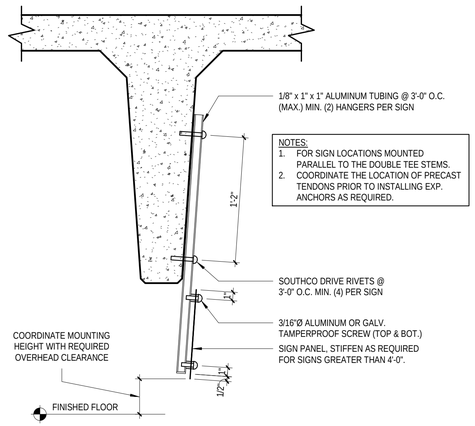
STAIR TOWERS INTERIOR ELEVATIONS

SHEET NO.

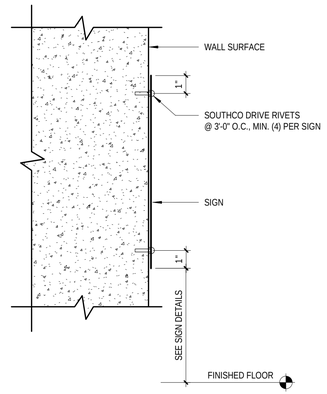
A6.2



1 G1.1 SIGN MOUNTING DETAIL
1 1/2" = 1'-0"



2 G1.1 SIGN MOUNTING DETAIL
1 1/2" = 1'-0"



3 G1.1 SIGN MOUNTING DETAIL
3" = 1'-0"

4 G1.1 SIGN MOUNTING DETAIL
1/2" = 1'-0"

5 G1.1 SIGN MOUNTING DETAIL
3/4" = 1'-0"

6 G1.1 SIGN MOUNTING DETAIL
3/4" = 1'-0"

INTERNALLY ILLUMINATED CHANNEL LETTER SIGN NOTES:
1. FACE: COLORED ACRYLIC
   A. TEXT: TRANSLUCENT WHITE
   B. DO NOT ENTER SYMBOL: PANTONE RED 186 C
   C. ARROW SYMBOL: PANTONE GREEN 356 C
2. TRIM CAP COLOR: BLACK
3. 5" RETURN COLOR: BLACK
4. TEXT:
   A. FONT: ARIAL BOLD
   B. HEIGHT: 10"
5. CONCEALED STUD MOUNT ALL SYMBOLS AND LETTERS INDIVIDUALLY PER MANUFACTURER STANDARD INSTALLATION DETAILS.
6. ALL CONDUIT, TRANSFORMERS AND WIRING SHALL NOT BE VISIBLE ON THE EXTERIOR OF THE BUILDING. COORDINATE WITH ELECTRICAL DRAWINGS.

8 G1.1 A01 & A02: ENTRY/EXIT
Not To Scale

SIGN NOTES:
1. BASIS OF DESIGN: 5.25" OD X 78" LENGTH BY IDEAL SHIELD.
2. MOUNTING HEIGHTS:
   A. SIGN S03: 7'-2"
3. TEXT: CENTER HORIZONTALLY ON CLEARANCE BAR, U.N.O..
   A. FONT: ARIAL BOLD
   B. COLOR: BLACK
   C. HEIGHT: 4"

9 G1.1 A03 & A04: CLEARANCE BARS
1" = 1'-0"

SIGN NOTES:
1. SEE SIGNAGE GENERAL NOTES, SECTION C.
2. SYMBOL COLOR: PANTONE RED 186 C, WHITE
3. ACCENT STRIP COLOR: PANTONE RED 186 C
4. TEXT
   A. FONT: ARIAL NARROW BOLD, WIDTH FACTOR .95
   B. COLOR: WHITE
   C. HEIGHT: 5"
   D. CENTER HOR. ON SIGN

SIGN B01

7 G1.1 B01: DO NOT ENTER
1 1/2" = 1'-0"

SIGN B02

10 G1.1 B02: WRONG WAY
1 1/2" = 1'-0"

SIGN NOTES:
1. SEE SIGNAGE GENERAL NOTES, SECTION C.
2. SYMBOL COLOR: PANTONE RED 186 C, WHITE
3. ACCENT STRIP COLOR: PANTONE RED 186 C
4. TEXT
   A. FONT: ARIAL NARROW BOLD
   B. COLOR: WHITE
   C. HEIGHT: 5"
   D. CENTER HOR. ON SIGN

SIGN SCHEDULE

MARK	SIZE W	SIZE H	LTR. HT.	SIGN GRAPHICS L	TEXT	SIGN GRAPHICS R	SIGN DETAIL	MNTG. DTL.	REMARKS
A01	6'-6"	0'-10"	10"		ENTER		8/G1.1	8/G1.1	CHANNEL LETTER SIGN
A02	5'-2"	0'-10"	10"		EXIT		8/G1.1	8/G1.1	CHANNEL LETTER SIGN
A03	6'-6"	0'-5.25"	4"	7'-2"	CLEARANCE (DO NOT ENTER ON BACK)	7'-2"	9/G1.1	4/G1.1	
A04	6'-6"	0'-5.25"	4"		DO NOT ENTER (EXIT ON BACK)		9/G1.1	4/G1.1	
A05	12'-6"	2'-0"	2'-0"		PARKING		14/G1.2	14/G1.2	CHANNEL LETTER SIGN
A06	6'-5"	0'-6"	0'-6"		CLEARANCE 6' - 4"		14/G1.2	14/G1.2	CHANNEL LETTER SIGN
B01	5'-0"	1'-0"	5"		DO NOT ENTER		7/G1.1	1/G1.1	
B02	5'-0"	1'-0"	5"		WRONG WAY		10/G1.1	2/G1.1	
B03	5'-0"	1'-0"	5"	5 MPH	SPEED LIMIT	5 MPH	1/G1.2	2/G1.1	
B04	5'-0"	1'-0"	5"		TWO-WAY TRAFFIC		2/G1.2	2/G1.1	
B05D	5'-0"	1'-0"	6"		OUT		3/G1.2	1/G1.1	
B05L	5'-0"	1'-0"	6"		OUT		3/G1.2	2/G1.1	
B06	5'-0"	1'-0"	6"		PARK		3/G1.2	1/G1.1	
B06R	5'-0"	1'-0"	6"		PARK		3/G1.2	1,2/G1.1	
B06UL	5'-0"	1'-0"	6"		PARK		3/G1.2	1/G1.1	
B07	6'-0"	1'-0"	6"		PARK OUT		5/G1.2	1/G1.1	
B07U	6'-0"	1'-0"	6"		PARK OUT		5/G1.2	1/G1.1	
B07UR	6'-0"	1'-0"	6"		PARK OUT		5/G1.2	1/G1.1	
B08	5'-0"	1'-0"	VARIES		NO LEFT TURN I OUT		4/G1.2	1,2/G1.1	
B09	5'-0"	1'-0"	VARIES		NO LEFT TURN I PARK		4/G1.2	1,2/G1.1	
C01	1'-0"	1'-6"	VARIES		ADA PARKING		6/G1.2	5,6/G1.1	
C01A	SEE DET.	SEE DET.	VARIES		ADA PARKING (VAN)		6/G1.2	5,6/G1.1	
C02	1'-0"	1'-6"	1 1/2"		ELECTRIC VEHICLE PARKING		7/G1.2	5/G1.1	
C02A	1'-0"	1'-6"	1 1/2"		ELECTRIC VEHICLE PARKING		7/G1.2	5/G1.1	
C02B	1'-0"	1'-6"	1 1/2"		ELECTRIC VEHICLE PARKING		7/G1.2	5/G1.1	
C03	1'-0"	1'-6"	1 1/2"		RESERVED PARKING		8/G1.2	3,5,6/G1.1	
C04	1'-10"	2'-6"	VARIES		LEVEL DESIGNATION (PARKING AREA)		9/G1.2	3/G1.1	
C05	0'-8"	0'-12"	5/8"		IN CASE OF FIRE...		10/G1.2	3/G1.1	
C06	0'-6"	0'-10"	3/4"		EXIT STAIRS		11/G1.2	3/G1.1	
C06A	0'-6"	0'-10"	3/4"		EXIT		11/G1.2	3/G1.1	
C06B	0'-6"	0'-10"	3/4"		EXIT ROUTE		11/G1.2	3/G1.1	
C07	0'-8"	0'-4"	3/4"		STAIR ID (PEDESTRIAN)		12/G1.2	3/G1.1	
C08	0'-8"	0'-4"	5/8"		ROOM IDENTIFICATION		13/G1.2	3/G1.1	
C09	1'-2"	1'-6"	VARIES		STAIR ID (LANDING)		1/G1.3	3/G1.1	
C09A	1'-2"	1'-6"	VARIES		STAIR ID (LANDING)		1/G1.3	3/G1.1	
C10	0'-10"	0'-8"	VARIES		FIRE DEPARTMENT CONNECTION		10/G1.3	3/G1.1	
C12	5'-0"	1'-0"	3 1/2"		STAIRS | ELEVATOR		2/G1.3	2/G1.1	
C012L	5'-0"	1'-0"	3 1/2"		STAIRS | ELEVATOR		2/G1.3	2/G1.1	
C012R	5'-0"	1'-0"	3 1/2"		STAIRS | ELEVATOR		2/G1.3	2/G1.1	
C13L	5'-0"	1'-0"	5"		STAIRS		2/G1.3	2/G1.1	
C13R	5'-0"	1'-0"	5"		STAIRS		2/G1.3	1/G1.1	
C14	2'-0"	1'-1"	3"		DO NOT PILE SNOW		3/G1.3	3/G1.1	
C15	5'-0"	1'-0"	4"		TO NEW MAIN ST.		4/G1.3	2/G1.1	
C16	5'-0"	1'-0"	5"		TO NEPPERHAN AVE.		4/G1.3	2/G1.1	
C16L	5'-0"	1'-0"	5"		TO NEPPERHAN AVE.		4/G1.3	2/G1.1	
C16R	5'-0"	1'-0"	4"		TO NEPPERHAN AVE.		4/G1.3	1/G1.1	
C17	5'-0"	1'-0"	4"		ONE WAY		4/G1.3	3/G1.1	
C18	2'-6"	1'-0"	3"		NO RIGHT TURN		4/G1.3	2/G1.1	
C19	1'-6"	2'-0"	5"		ONE WAY		5/G1.3	3/G1.1	
C20	1'-6"	2'-0"	5"		TEMPORARY PARKING		6/G1.3	5/G1.1	
C21	1'-8"	1'-8"	4"		PAY HERE		7/G1.3	3/G1.1	
C21L	5'-0"	1'-0"	5"		PAY HERE		7/G1.3	2/G1.1	
C22	1'-0"	1'-6"	VARIES		TAKE YOUR TICKET		11/G1.3	3/G1.1	
C23	4'-0"	1'-0"	VARIES		TAKE YOUR TICKET		11/G1.3	2/G1.1	

SIGNAGE GENERAL NOTES

A. SCHEDULE NOTES:
   1. SEE SHEETS A1.1 THROUGH A1.6 FOR SIGN LOCATION PLANS.
   2. ALL SURFACE MOUNTED SIGNS SHALL NOT EXTEND BEYOND EDGE OF PRECAST WALLS AND COLUMNS.

B. TYPICAL PEDESTRIAN SIGNS (ROOM ID, STAIR ID, EXIT EGRESS IDENTIFICATION SIGNS):
   1. TYPEFONT: ARIAL
   2. SIGNS SHALL BE BACKGROUND COLOR-REVERSE PAINTED IN COLORS INDICATED.
   3. ALL SIGNS TO BE ADA COMPLIANT WITH ICC/ANSI A117.1, INCLUDING TACTILE TEXT AND BRAILLE REQUIREMENTS.
   4. CENTER ALL SYMBOLS AND TEXT ON SIGN HORIZONTALLY AND VERTICALLY, U.N.O.
   5. MATERIAL: 1/4" THICKNESS, U.N.O., CLEAR NON-GLARE, EXTERIOR GRADE PHOTOPOLYMER.
   6. SYMBOLS AND PICTOGRAMS: SHALL HAVE A NON-GLARE FINISH AND COMPLY WITH ICC/ANSI A117.1
   7. SIGNS MOUNTED TO GLASS SURFACES TO BE ADHERED WITH EXTERIOR GRADE V.H.B. TAPE.
   8. LAMINATE SIGN TO ALUMINUM BACKING WHEN POSTED MOUNTED. SEE NOTE C.4.

C. TYPICAL DIRECTIONAL / TRAFFIC SIGNS:
   1. TYPEFONT: ARIAL NARROW BOLD. SEE SIGN DETAILS AND SCHEDULE FOR TEXT HEIGHTS.
   2. BACKGROUND COLOR AS NOTED IN DETAILS SHALL BE SILK SCREENED OVER REFLECTIVE BACKGROUND (3M ENGINEER GRADE "SCOTCHLITE" #3290 REFLECTIVE SHEETING, OR APPROVED EQUAL) U.N.O.
   3. REFLECTIVE SYMBOLS AND TEXT SHALL BE REVERSE STENCILED RESULTING FROM BACKGROUND COLOR APPLICATION OVER REFLECTIVE SHEETING.
   4. BACKING MATERIALS FOR SIGNS SHALL BE 0.080" THICK ALUMINUM, U.N.O. PAINT EDGES AND BACKS OF ALUMINUM SIGNS THAT ARE MOUNTED DIRECTLY TO THE STRUCTURE FOR CATHODIC AND CORROSION PROTECTION.
   5. MOUNT ALL SIGNS PLUMB AND LEVEL. OVERHEAD CLEARANCE HEIGHT SIGNS SHALL NOT ENCROACH INTO THE VERTICAL CLEARANCE REQUIREMENTS OF THE PARKING FACILITY.
   6. SIGNAGE CONTRACTOR TO VERIFY LOCATIONS OF SIGNAGE IN THE FIELD WITH THE ARCHITECT PRIOR TO INSTALLATION.
   7. WHERE SIGNS ARE MOUNTED BACK-TO-BACK, INCREASE THE WIDTH OF THE SMALLER SIGN TO MATCH THE LARGER.

D. ILLUMINATED SIGNS:
   1. POWER INFORMATION TO SIGN LOCATIONS TO BE PROVIDED BY ELECTRICAL ENGINEER. SEE ELECTRICAL DRAWINGS. SIGNAGE CONTRACTOR TO COORDINATE THE ELECTRICAL COMPONENTS OF SIGNS WITH THE PROVIDED POWER SUPPLY.
   2. ALL ELECTRICAL SUPPLY COMPONENTS INCLUDING BUT NOT LIMITED TO JUNCTION BOXES, TRANFORMERS AND CONDUIT ARE TO BE CONCEALED AND NOT VISIBLE FROM THE BUILDING EXTERIOR.
   3. PROVIDE TIME CLOCK SWITCH CONTROLS.

E. LEVEL COLOR DESIGNATION:

LEVEL 6	BLUE: SW 6801 (REGALE BLUE)
LEVEL 5	GREEN: SW 6711 (PARAKEET)
LEVEL 4	RED : SW 6600 (ENTICING RED)
LEVEL 3	ORANGE: SW 6368 (BAKELITE GOLD)
LEVEL 2	YELLOW: SW 6696 (QUILT GOLD)
LEVEL 1	BLUE : SW 6803 (DANUBE)

(ALL COLORS SELECTED FROM THE PANTONE SOLID COATED COLOR LIBRARY)

EXISTING SIGNAGE GENERAL NOTES

A. REMOVAL AND REINSTALLATION
   1. REMOVE ALL EXISTING SIGNAGE FOR NEW CONSTRUCTION.
   2. REVIEW ALL SIGNAGE WITH CITY OF YONKERS. REINSTALL EXISTING WAYFINDING SIGNAGE AS NECESSARY.
   3. ALL EXISTING LIFE SAFETY SIGNS ARE TO REMAIN AND TO BE COORDINATED WITH NEW CONSTRUCTION. REMOVE AND REINSTALL AS NECESSARY.

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PROJECT NO.
NBR20136.01

PROJECT

Yonkers GCG Restoration

PARKING GARAGE

118 New Main St,
Yonkers, NY 10701

SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

NORTH

SHEET TITLE:
SIGNAGE SCHEDULE, NOTES AND DETAILS

SHEET NO.
G1.1

SIGN B03

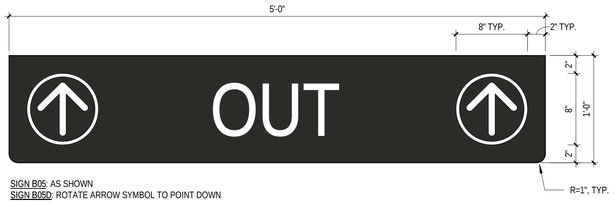
SIGN NOTES:
1. SEE SIGNAGE GENERAL NOTES, SECTION C.
2. MPH BOX COLOR: PANTONE PROCESS YELLOW C
3. TEXT
   A. FONT: ARIAL NARROW BOLD
   B. COLOR: BLACK AND WHITE AS SHOWN
   C. HEIGHT: "SPEED LIMIT" @ 5", "5" @ 5", "MPH" @ 2 1/2"
   D. CENTER "SPEED LIMIT" HOR. AND VERT. IN BACKGROUND COLOR FIELD
   E. CENTER "5 MPH" HOR. IN BACKGROUND COLOR FIELD

1 G1.2 B03: SPEED LIMIT
1 1/2" = 1'-0"

SIGN B04

SIGN NOTES:
1. SEE SIGNAGE GENERAL NOTES, SECTION C.
2. ARROW FIELD COLOR: PANTONE YELLOW 123 C
3. ARROW COLOR: PANTONE PROCESS BLACK
4. SEE DETAIL 9/G1.3 FOR ARROW SYMBOL DETAIL, SIM.
5. TEXT
   A. FONT: ARIAL NARROW BOLD
   B. COLOR: WHITE
   C. HEIGHT: 4"
   D. CENTER HOR. AND VERT. ON SIGN

2 G1.2 B04: TWO-WAY TRAFFIC
1 1/2" = 1'-0"

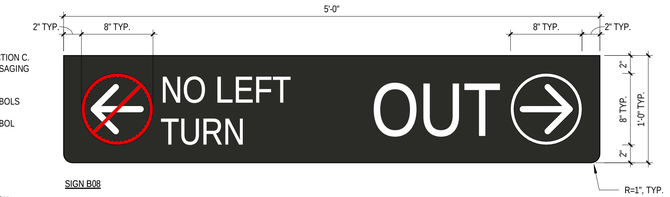


SIGN B05: AS SHOWN
SIGN B05D: ROTATE ARROW SYMBOL TO POINT DOWN

SIGN B06R: AS SHOWN
SIGN B06L: RIGHT JUSTIFY TEXT AND MIRROR ARROW SYMBOL TO LEFT SIDE OF SIGN TO POINT LEFT

3 G1.2 B05 & B06: TYPICAL SIGN LAYOUT
1 1/2" = 1'-0"

SIGN NOTES:
1. SEE SIGNAGE GENERAL NOTES, SECTION C.
2. SEE SIGN SCHEDULE FOR SIGN MESSAGING
   A. B05 MESSAGE IS "OUT"
   B. B06 MESSAGE IS "PARK"
3. SEE SIGN SCHEDULE FOR SIGN SYMBOLS AND ORIENTATION
4. SEE DETAIL 9/G1.3 FOR ARROW SYMBOL DETAIL
5. SYMBOL COLOR: WHITE
6. TEXT
   A. FONT: ARIAL NARROW BOLD
   B. COLOR: WHITE
   C. HEIGHT: 6"
   D. CENTER HOR. AND VERT. ON SIGN, U.N.O.



SIGN B08

SIGN B09

4 G1.2 B08 & B09: PARK / OUT / NO LEFT TURN
1 1/2" = 1'-0"

SIGN NOTES:
1. SEE SIGNAGE GENERAL NOTES, SECTION C.
2. ARROW FIELD COLOR: PANTONE YELLOW 123 C
3. ARROW COLOR: PANTONE PROCESS BLACK
4. SEE DETAIL 9/G1.3 FOR ARROW SYMBOL DETAIL, SIM.
5. TEXT
   A. FONT: ARIAL NARROW BOLD
   B. COLOR: WHITE
   C. HEIGHT: 4"
   D. CENTER HOR. AND VERT. ON SIGN

INTERNALLY ILLUMINATED CHANNEL LETTER SIGN NOTES:
1. FACE: COLORED ACRYLIC
   A. TEXT: TRANSLUCENT WHITE
2. TRIM CAP COLOR: BLACK
3. 5" RETURN COLOR: BLACK
4. TEXT:
   A. FONT: ARIAL BOLD
   B. HEIGHT: 2'-0" @ A05, 6" @ A06
5. CONCEALED STUD MOUNT ALL SYMBOLS AND LETTERS INDIVIDUALLY PER MANUFACTURER STANDARD INSTALLATION DETAILS.
6. ALL CONDUIT, TRANSFORMERS AND WIRING SHALL NOT BE VISIBLE ON THE EXTERIOR OF THE BUILDING. COORDINATE WITH ELECTRICAL DRAWINGS.
7. VERIFY CLEARANCE HEIGHT PRIOR TO FABRICATION OF SIGN A06

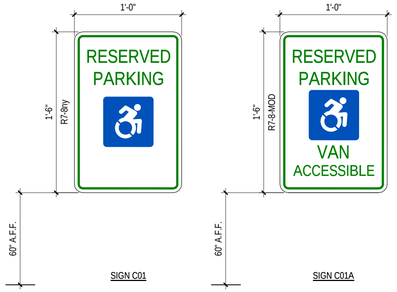
SIGN A05

SIGN A06

14 G1.2 A01 & A02: ENTRY/EXIT
1/2" = 1'-0"

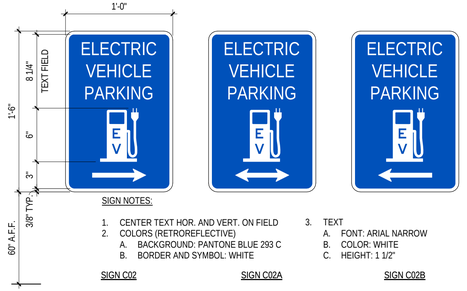
SIGN B07: (SHOWN)
SIGN B07U: ROTATE BOTH ARROWS TO POINT UP
SIGN B07UR: ROTATE PARK ARROW TO POINT UP, OUT ARROW TO POINT RIGHT

5 G1.2 B07: PARK | OUT
1 1/2" = 1'-0"



SIGN C01 SIGN C01A

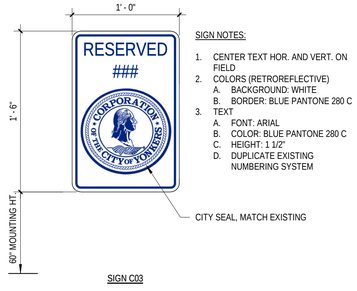
6 G1.2 C01 & C01A: ADA PARKING
1 1/2" = 1'-0"



SIGN NOTES:
1. CENTER TEXT HOR. AND VERT. ON FIELD
2. COLORS (RETROREFLECTIVE)
   A. BACKGROUND: PANTONE BLUE 293 C
   B. BORDER AND SYMBOL: WHITE
3. TEXT
   A. FONT: ARIAL NARROW
   B. COLOR: WHITE
   C. HEIGHT: 1 1/2"

SIGN C02 SIGN C02A SIGN C02B

7 G1.2 C02: EV PARKING
1 1/2" = 1'-0"

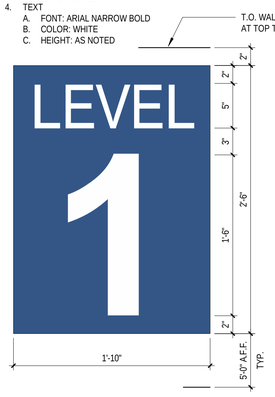


SIGN NOTES:
1. CENTER TEXT HOR. AND VERT. ON FIELD
2. COLORS (RETROREFLECTIVE)
   A. BACKGROUND: WHITE
   B. BORDER: BLUE PANTONE 280 C
3. TEXT
   A. FONT: ARIAL
   B. COLOR: BLUE PANTONE 280 C
   C. HEIGHT: 1 1/2"
   D. DUPLICATE EXISTING NUMBERING SYSTEM

SIGN C03

8 G1.2 C03: RESERVED PARKING
1 1/2" = 1'-0"

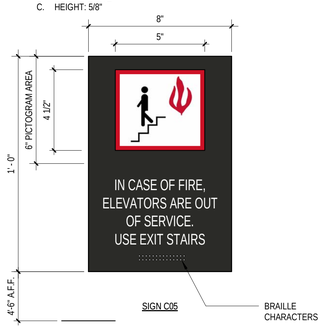
SIGN NOTES:
1. SIGN BE 0.080" THICK ALUMINUM. SEE SIGNAGE GENERAL NOTES PARAGRAPH C.4.
2. CENTER ALL TEXT HOR. ON THE SIGN.
3. BACKGROUND COLOR: TO MATCH LEVEL DESIGNATION, SEE SIGNAGE GENERAL NOTES SECTION E.
4. TEXT
   A. FONT: ARIAL NARROW BOLD
   B. COLOR: WHITE
   C. HEIGHT: AS NOTED



SIGN C04

9 G1.2 C04: PARKING AREA LEVEL ID
1 1/2" = 1'-0"

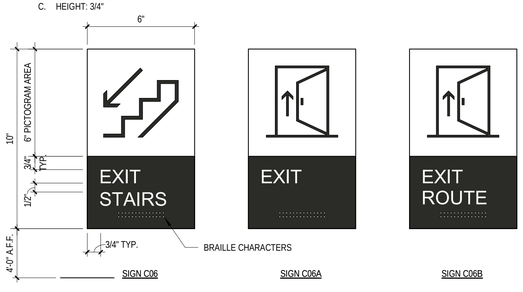
SIGN NOTES:
1. SEE SIGNAGE GENERAL NOTES SECTION B.
2. CENTER BRAILLE CHARACTERS HOR. ON SIGN.
3. CENTER SYMBOL HOR. AND VERT. IN PICTOGRAM AREA
4. BACKGROUND COLOR: PANTONE 426 C
5. SYMBOL COLORS: BLACK, WHITE, PANTONE RED 186 C
6. TEXT
   A. FONT: ARIAL NARROW, WIDTH FACTOR .85
   B. COLOR: WHITE
   C. HEIGHT: 5/8"



SIGN C05

10 G1.2 C05: IN CASE OF EMERGENCY
3" = 1'-0"

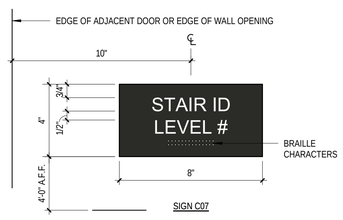
SIGN NOTES:
1. SEE SIGNAGE GENERAL NOTES SECTION B.
2. CENTER BRAILLE CHARACTERS HOR. ON SIGN.
3. CENTER SYMBOL HOR. AND VERT. IN PICTOGRAM AREA
4. BACKGROUND COLORS: PANTONE 426 C, WHITE
5. SYMBOL COLOR: PANTONE 426 C
6. TEXT
   A. FONT: ARIAL
   B. COLOR: WHITE
   C. HEIGHT: 3/4"



SIGN C06 SIGN C06A SIGN C06B

11 G1.2 C06, C06A & C06B: EGRESS SIGNS
3" = 1'-0"

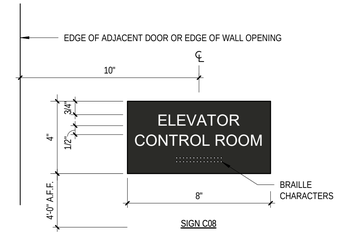
SIGN NOTES:
1. SEE SIGNAGE GENERAL NOTES SECTION B.
2. CENTER TACTILE TEXT AND BRAILLE CHARACTERS ON SIGN.
3. STAIR "ID" AND LEVEL "#" TO CORRESPOND WITH PLAN DESIGNATIONS.
4. BACKGROUND COLOR: PANTONE 426 C
5. TEXT
   A. FONT: ARIAL
   B. COLOR: WHITE
   C. HEIGHT: 3/4"



SIGN C07

12 G1.2 C07: STAIR ID (PEDESTRIAN)
3" = 1'-0"

SIGN NOTES:
1. SEE SIGNAGE GENERAL NOTES SECTION B.
2. COORDINATE SIGN TEXT WITH ROOM DESIGNATIONS IN PLANS AND ROOM FINISH SCHEDULE. PROVIDE ROOM SIGN SCHEDULE FOR APPROVAL.
3. CENTER TACTILE TEXT AND BRAILLE CHARACTERS HOR. ON SIGN.
4. BACKGROUND COLOR: PANTONE 426 C
5. TEXT
   A. FONT: ARIAL
   B. COLOR: WHITE
   C. HEIGHT: 5/8"



SIGN C08

13 G1.2 C08: ROOM ID
3" = 1'-0"

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PROJECT NO.
NBR20136.01

PROJECT

Yonkers GCG Restoration

PARKING GARAGE

118 New Main St,
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SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

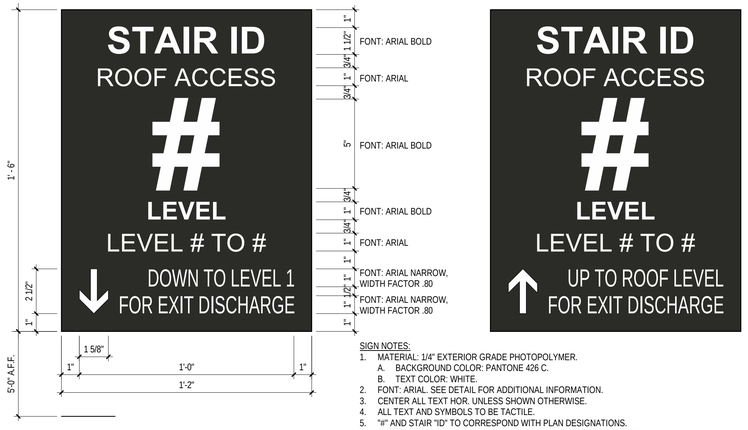
NO.	DESCRIPTION	DATE

DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

NORTH

SHEET TITLE:
SIGNAGE AND GRAPHICS DETAILS

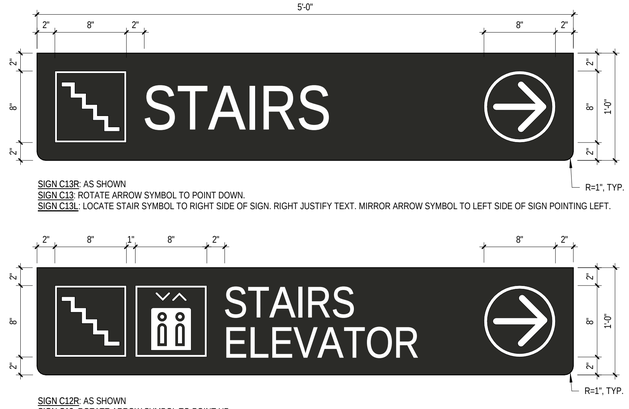
SHEET NO.
G1.2



SIGN NOTES:
1. MATERIAL: 1/4" EXTERIOR GRADE PHOTOPOLYMER.
   A. BACKGROUND COLOR: PANTONE 426 C.
   B. TEXT COLOR: WHITE.
2. FONT: ARIAL. SEE DETAIL FOR ADDITIONAL INFORMATION.
3. CENTER ALL TEXT HOR. UNLESS SHOWN OTHERWISE.
4. ALL TEXT AND SYMBOLS TO BE TACTILE.
5. "#" AND STAIR "ID" TO CORRESPOND WITH PLAN DESIGNATIONS.
6. OMIT "DOWN TO" AND ARROW SYMBOL AT LEVEL 1 (G) AND CENTER JUSTIFY REMAINING TEXT

SIGN C09

SIGN C09A

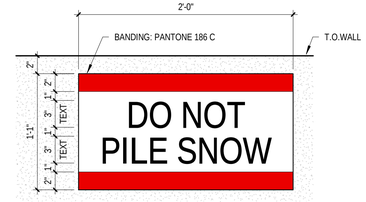


SIGN C13R: AS SHOWN
SIGN C13: ROTATE ARROW SYMBOL TO POINT DOWN.
SIGN C13L: LOCATE STAIR SYMBOL TO RIGHT SIDE OF SIGN. RIGHT JUSTIFY TEXT. MIRROR ARROW SYMBOL TO LEFT SIDE OF SIGN POINTING LEFT.

SIGN C12R: AS SHOWN
SIGN C12: ROTATE ARROW SYMBOL TO POINT UP.
SIGN C12L: LOCATE STAIR AND ELEVATOR SYMBOLS TO RIGHT SIDE OF SIGN. RIGHT JUSTIFY TEXT. MIRROR ARROW SYMBOL TO LEFT SIDE OF SIGN POINTING LEFT.

SIGN NOTES:
1. SEE SIGNAGE GENERAL NOTES, SECTION C.
2. SEE SIGN SCHEDULE FOR REQUIRED SIGN ARROW SYMBOLS AND ORIENTATION.
3. SYMBOL COLOR: WHITE
4. SEE DETAIL 8/G1.3 FOR PICTOGRAM DETAILS
5. SEE DETAIL 9/G1.3 FOR ARROW SYMBOL DETAIL
6. TEXT
   A. FONT: ARIAL NARROW BOLD
   B. COLOR: WHITE
   C. HEIGHT: 3.5" @ C12, C12L, C12R
      5" @ C13, C13L, C13R
   D. CENTER VERT. ON SIGN, U.N.O.

SIGN NOTES:
1. SIGN BE 0.080" THICK ALUMINUM, SEE SIGNAGE GENERAL NOTES C.4.
2. BACKGROUND OF SIGN SHALL BE NON-REFLECTIVE SILK SCREEN, COLOR: WHITE
3. CENTER TEXT HORIZONTALLY ON SIGN
4. TEXT:
   A. FONT: ARIAL NARROW
   B. COLOR: BLACK
   C. HEIGHT: AS NOTED



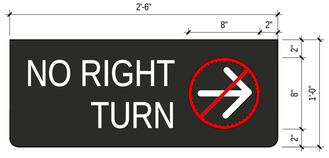
SIGN C14

1 G1.3 C09: STAIR ID (LANDING)
3" = 1'-0"

SIGN C15

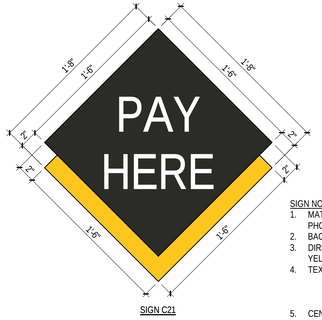
SIGN C16: AS SHOWN
SIGN C16R: ROTATE ARROW TO POINT RIGHT
SIGN C16L: RIGHT JUSTIFY TEXT AND MIRROR ARROW TO LEFT SIDE TO POINT LEFT

SIGN C17



SIGN C18

4 G1.3 C15, C16, C17 & C18: WAYFINDING
1 1/2" = 1'-0"

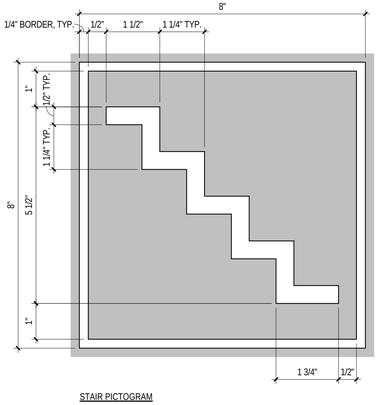


SIGN C21

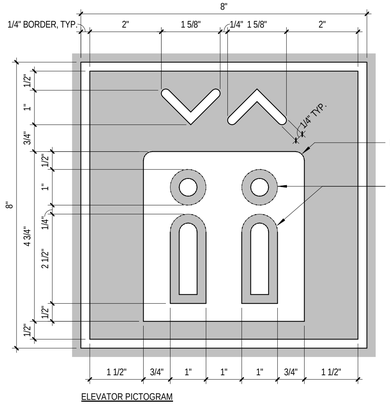
SIGN NOTES:
1. MATERIAL: 1/4" EXTERIOR GRADE PHOTOPOLYMER.
2. BACKGROUND COLOR: PANTONE 426 C.
3. DIRECTIONAL ARROW COLOR: PANTONE YELLOW 123 C
4. TEXT
   a. FONT: ARIAL BOLD
   b. COLOR: WHITE
   c. HEIGHT: 4" @ C21, 5" @ C21L
5. CENTER ALL TEXT HOR. UNLESS SHOWN OTHERWISE.

SIGN C21L

7 G1.3 C21: PAY ON FOOT
1 1/2" = 1'-0"



STAIR PICTOGRAM



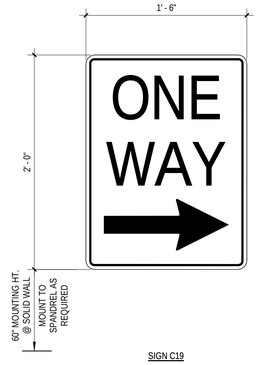
ELEVATOR PICTOGRAM

DETAIL NOTE:
1. SEE SIGNAGE GENERAL NOTES AND SIGN DETAILS FOR BACKGROUND AND PICTOGRAMS COLORS
2. SEE SIGN DETAILS FOR SYMBOL PLACEMENT

8 G1.3 SIGN PICTOGRAM DETAILS
6" = 1'-0"

2 G1.3 C12 & C13: STAIR & ELEVATOR
1 1/2" = 1'-0"

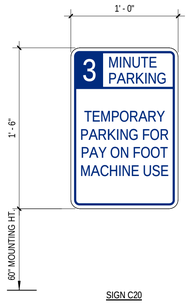
SIGN NOTES:
1. SEE SIGNAGE GENERAL NOTES, SECTION C.
2. SEE SIGN SCHEDULE FOR REQUIRED SIGN ARROW SYMBOLS AND ORIENTATION.
3. SYMBOL COLOR: WHITE @ C15 & C16, RED @ C17
4. SEE DETAIL 9/G1.3 FOR ARROW SYMBOL DETAIL
5. TEXT
   A. FONT: ARIAL NARROW BOLD
   B. COLOR: WHITE
   C. HEIGHT: 5" @ C17, 4" @ C15 & C16, 3" @ C18
   D. CENTER VERT. ON SIGN, U.N.O.



SIGN C19

5 G1.3 C19: ONE WAY
1 1/2" = 1'-0"

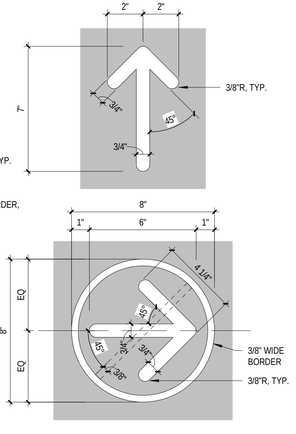
SIGN NOTES:
1. CENTER TEXT HOR. AND VERT. ON FIELD
2. COLORS (RETROREFLECTIVE)
   A. BACKGROUND: WHITE
   B. BORDER: BLACK
3. TEXT
   A. FONT: ARIAL
   B. COLOR: BLACK
   C. HEIGHT: 5"



SIGN C20

SIGN NOTES:
1. CENTER TEXT HOR. AND VERT. ON FIELD
2. COLORS (RETROREFLECTIVE)
   A. BACKGROUND: WHITE
   B. BORDER: BLUE PANTONE 280 C
3. TEXT
   A. FONT: ARIAL
   B. COLOR: BLUE PANTONE 280 C
   C. HEIGHT: VARIES
   D. SEE EXISTING SIGNS FOR TYPICAL TEXT. TEXT WILL BE REVIEWED/EDITED PRIOR TO FINAL APPROVAL

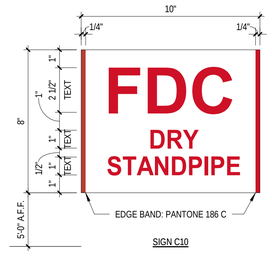
6 G1.3 C20: RESERVED PARKING
1 1/2" = 1'-0"



DETAIL NOTE:
1. SEE SIGNAGE GENERAL NOTES AND SIGN DETAILS FOR BACKGROUND AND PICTOGRAMS COLORS
2. SEE SIGN DETAILS FOR SYMBOL PLACEMENT AND ORIENTATION

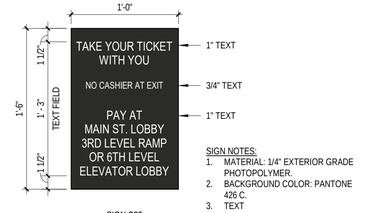
9 G1.3 SIGN ARROW DETAIL
3" = 1'-0"

SIGN NOTES:
1. SIGN BE 0.080" THICK ALUMINUM, SEE SIGNAGE GENERAL NOTES PARAGRAPH C.4.
2. LOCATE ABOVE EXTERIOR BUILDING FIRE DEPARTMENT CONNECTIONS AND ADJACENT TO EACH STANDPIPE CONNECTION LOCATION
3. BACKGROUND OF SIGN SHALL BE NON-REFLECTIVE SILK SCREENED. COLOR: WHITE
4. CENTER TEXT HORIZONTALLY ON SIGN
5. TEXT
   A. FONT: ARIAL
   B. COLOR: PANTONE 186 C
   C. HEIGHT: AS NOTED



SIGN C10

10 G1.3 C10: FD CONNECTION
3" = 1'-0"



SIGN C22

SIGN NOTES:
1. MATERIAL: 1/4" EXTERIOR GRADE PHOTOPOLYMER.
2. BACKGROUND COLOR: PANTONE 426 C.
3. TEXT
   a. FONT: ARIAL BOLD
   b. COLOR: WHITE
   c. HEIGHT: VARIES
4. CENTER ALL TEXT HORIZONTALLY

SIGN C23

11 G1.3 C22 & C23: TAKE TICKET WITH YOU
1 1/2" = 1'-0"

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CONSULTANT

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PROJECT NO.
NBR20136.01

PROJECT

Yonkers GCG Restoration

PARKING GARAGE

118 New Main St,
Yonkers, NY 10701

SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

DRAWN: JC/VLJ
REVIEWED: RP
DATE: 04/11/2022

NORTH

SHEET TITLE:
SIGNAGE AND GRAPHICS DETAILS

SHEET NO.
G1.3

GENERAL NOTES

A. GENERAL CONDITIONS

1. IT IS THE INTENT OF THE PLANS TO ADEQUATELY DESCRIBE AND INDICATE AREAS THAT REQUIRE RESTORATION WORK. IN THE EVENT IT BECOMES NECESSARY TO ALTER THE PLANS FOR THE BEST INTEREST OF THE PROJECT DUE TO CIRCUMSTANCES NOT KNOWN AT THE TIME OF SURVEY, WORK QUANTITIES MAY BE ADJUSTED IN ACCORDANCE WITH THE ENGINEER AND OWNER'S APPROVAL.

2. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND SHALL REPORT IN WRITING TO THE ENGINEER ALL DISCREPANCIES WITH RESPECT TO DRAWINGS & SPECIFICATIONS.

3. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL BRACING, SHEETING, AND SHORING AS REQUIRED. PROVIDE TEMPORARY SUPPORT WHERE REPAIR WORK WILL DEGRADE THE INTEGRITY OF THE STRUCTURE INCLUDING CONNECTIONS. SHORING SHALL BE DESIGNED, PREPARED, SIGNED, AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK, HIRED BY THE CONTRACTOR. SHORING ENGINEER SHALL FIELD VERIFY ALL DIMENSIONS, CONNECTION TYPES, ETC. AS NEEDED TO DETERMINE ALL APPLICABLE LOADING AND LOAD PATHS.

4. CONTRACTOR IS REQUIRED TO INSTALL A TEMPORARY DUST ENCLOSURE AT EACH AREA OF WORK TO PREVENT DUST & ODOR MIGRATION. FOR BIDDING PURPOSES, ASSUME A CONTINUOUS PLASTIC SEAL AT THE PERIMETER OF EACH WORK AREA. ALL DUST/DEBRIS FROM THE WORK SHALL BE CLEANED/REMOVED PRIOR TO REMOVING TEMPORARY DUST ENCLOSURE.

5. CONDUCT A PRECONSTRUCTION MEETING PRIOR TO COMMENCING WORK, HOLD PREINSTALLATION MEETINGS PRIOR TO EACH PHASE OF THE PROJECT, AND HOLD REGULAR COORDINATION MEETINGS.

6. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONDITION WHICH MAY ENDANGER THE STABILITY AND STRUCTURAL INTEGRITY OF, CAUSE DISTRESS TO, OR COMPROMISE THE DURABILITY OF THE STRUCTURE.

7. CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR INFORMATION NOT COVERED BY THE DRAWINGS. IN CASE OF CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.

8. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS, AND CONDITIONS OF APPROVAL, AND ALL APPLICABLE REQUIREMENTS, RULES, REGULATIONS, STATUTORY REQUIREMENTS, CODES, LAWS, AND STANDARDS OF ALL AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT.

9. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION AND SITE SAFETY.

10. THE FOLLOWING CODES AND STANDARDS APPLY TO THE DESIGN AND CONSTRUCTION OF THIS PROJECT:

    a. "INTERNATIONAL BUILDING CODE" (IBC 2018) - INTERNATIONAL CODE COUNCIL
    b. "INTERNATIONAL EXISTING BUILDING CODE" (IEBC 2015) - INTERNATIONAL CODE COUNCIL
    c. "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" (ASCE 7-16) AMERICAN SOCIETY OF CIVIL ENGINEERS
    d. "BUILDING CODE REQUIREMENTS FOR STUCTURAL CONCRETE" (ACI 318-14) - AMERICAN CONCRETE INSTITUTE
    e. "ACI MANUAL OF CONCRETE PRACTICE" (2016; PART 1 THROUGH PART 5) - AMERICAN CONCRETE INSTITUTE
    f. "ACI CONCRETE REPAIR MANUAL" LATEST EDITION - AMERICAN CONCRETE INSTITUTE
    g. "CODE REQUIREMENTS FOR ASSESSMENT, REPAIR AND REHABILITATION OF EXISTING CONCRETE STRUCTURES" (ACI 562-16) - AMERICAN CONCRETE INSTITUTE
    h. "CRSI HANDBOOK" (2008) - CONCRETE REINFORCING STEEL INSTITUTE
    i. "PCI DESIGN HANDBOOK" (8TH EDITION) - PRECAST/PRESTRESSED CONCRETE INSTITUTE
    j. "STRUCTURAL WELDING CODE" (LATEST EDITION) - AMERICAN WELDING SOCIETY

11. IF THE BID SCHEDULE INCLUDES COLD WEATHER MONTHS, INCLUDE COLD WEATHER PROVISIONS AS REQUIRED TO COMPLETE THE WORK.

B. PHASING OF WORK & WORK RESTRICTIONS

1. BIDDERS SHALL INCLUDE A PRELIMINARY SITE UTILIZATION / PHASING PLAN WITH THEIR BIDS. SEE SHEET SR0.2 FOR TYPICAL CONSTRUCTION PHASING PLAN.

2. THE SUCCESSFUL CONTRACTOR SHALL SUBMIT COMPOSITE SITE UTILIZATION/PHASING PLANS FOR APPROVAL PRIOR TO MOBILIZATION. THE CONTRACTOR SHALL COORDINATE CLOSELY WITH THE ENGINEER, THE OWNER, AND THE GARAGE OPERATOR WHILE DEVELOPING, MAINTAINING, AND REVISING THE PLANS AS NECESSARY. THE GARAGE WILL BE PARTIALLY OCCUPIED BY VEHICLES AND PEDESTRIANS DURING CONSTRUCTION. THE COMPOSITE PLANS SHALL SHOW TEMPORARY FACILITIES, TEMPORARY UTILITY AND CONNECTIONS, STAGING AND STORAGE AREAS, DELIVERIES, SITE ACCESS, TEMPORARY VEHICLE AND PEDESTRIAN CIRCULATION, CONSTRUCTION PHASING, SHORING, TEMPORARY FENCING, BARRICADES, SIGNAGE, FLAGMEN, ETC.

3. THE INTENT OF THE CONTRACTOR'S PHASING PLAN SHOULD BE TO DIVIDE THE WORK INTO THE LEAST NUMBER OF PHASES WHILE MAINTAINING VEHICLE ACCESSIBILITY TO ALL AREAS THAT ARE NOT BEING WORKED ON. CONCENTRATE ON THE ROOF LEVEL AND OPEN TO PARKING UPON COMPLETION OF THE WORK. MOVE TO THE NEXT LEVEL BELOW AND CONTINUE THE PROCESS OF OPENING THE LEVEL TO PARKING PRIOR TO PROCEEDING TO THE NEXT LEVEL DOWN. RAMPS ARE ASSUMED TO BE ABLE TO BE SPLIT INTO TWO PHASES.

4. WORK AT HIGH-VOLUME AREAS AND ENTRY/EXIT LANES SHALL BE PERFORMED AT NIGHT BETWEEN 9PM AND 6AM OR ON WEEKENDS (AS REQUIRED). ALL OTHER WORK CAN BE COMPLETED EITHER DURING THE DAY OR AT NIGHT, UNLESS NOTED OTHERWISE BY THE OWNER OR GARAGE OPERATOR OR BASED ON THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. COMPLY WITH WORK HOUR RESTRICTIONS AND NOISE ORDINANCE OF THE AUTHORITY HAVING JURISDICTION.

5. ONE ELEVATOR MUST REMAIN IN SERVICE AND BE ACCESSIBLE AT ALL TIMES, UNLESS AN ALTERNATE ACCESSIBILITY PLAN IS SUBMITTED TO AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.

6. STAIR TOWERS MUST REMAIN IN SERVICE AND BE ACCESSIBLE AT ALL TIMES, UNLESS AN ALTERNATE MEANS OF EGRESS PLAN IS SUBMITTED TO AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.

7. THE CONTRACTORS MAY TAKE A MAXIMUM OF 165 PARKING SPACES OUT OF SERVICE DURING WEEKENDS, WITH THE EXCEPTION OF EVENTS.

8. THE CONTRACTORS MAY TAKE A MAXIMUM OF 110 PARKING SPACES OUT OF SERVICE DURING NORMAL BUSINESS HOURS, WITH THE EXCEPTION OF EVENTS.

9. COMPLY WITH LIMITATIONS ON USE OF PUBLIC STREETS AND WITH OTHER REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.

10. THE CONTRACTOR SHOULD COORDINATE THE SHUTDOWN OF AREAS FOR THE APPLICATION OF WATERPROOFING TRADE MATERIALS WITH THE EXTENDED WEATHER FORECAST TO AVOID WEATHER-RELATED DELAYS. TRAFFIC DECK MEMBRANE INSTALLATION SHALL OCCUR ON WEEKENDS TO MAXIMIZE INSTALLATION AREA AND MINIMIZE SEAMS.

11. PARKING AND PEDESTRIAN ACCESS AT THE LEVEL BELOW DEMOLITION WORK AND/OR STRUCTURAL REPAIRS SHALL BE TAKEN OUT OF SERVICE UNTIL REPAIRS ARE COMPLETE. PARKING AND PEDESTRIAN ACCESS AT THE LEVEL BELOW WATERPROOFING WORK SHALL BE TAKEN OUT OF SERVICE UNTIL WORK IS COMPLETE, UNLESS CONTRACTOR TAKES APPROPRIATE ACTIONS TO PROTECT PEDESTRIANS AND VEHICLES FROM HARM/DAMAGE.

12. REFER TO SPECIFICATION SECTION 011000 ("SUMMARY") FOR ADDITIONAL REQUIREMENTS AND RESTRICTIONS.

C. MEASUREMENT AND RECORD DRAWINGS

1. DO NOT SCALE DRAWINGS. VERIFY ALL DRAWING DIMENSIONS IN THE FIELD.

2. CONTRACTOR SHALL MEASURE TO THE NEAREST INCH AND RECORD THE REPAIR AREAS AND QUANTITIES PERFORMED.

3. ELECTRONIC COPIES OF THE DRAWINGS SHOWING THE ACTUAL SHAPE, LOCATION, AND SIZE OF THE REPAIRS AND A REPAIR TABULATION SPREADSHEET SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER AT THE END OF EACH PHASE OF THE PROJECT AND WITH EACH PAYMENT APPLICATION.

4. AT THE PROJECT CONCLUSION, SUBMIT ONE SET OF REPRODUCIBLE RECORD DRAWINGS IN A NEAT AND ORDERLY FASHION TO THE OWNER & ENGINEER SHOWING ALL REPAIRS PERFORMED. PROVIDE ONE HARD COPY AND AN ELECTRONIC COPY IN CAD OR PDF FORMAT.

D. GENERAL PREPARATION FOR CONCRETE REPAIRS

1. THE DRAWINGS INDICATE THE AREAS THAT HAVE BEEN DETERMINED TO REQUIRE REPAIR PER FIELD SURVEYS. CONTRACTOR SHALL SOUND SURFACES WITH HAMMER, ROD, CHAIN, OR APPROPRIATE TOOLS TO DETECT DELAMINATIONS AND SPALLS. ALL SUPPORTED STRUCTURAL ELEMENTS WITHIN THE GARAGE SHALL BE SOUNDED. THE LIMITS OF THE DELAMINATIONS SHALL BE MARKED FOR DEMOLITION. PRIOR TO REMOVAL, LIMITS OF REPAIR AREA SHALL BE REVIEWED BY ENGINEER IN THE FIELD. REPAIR QUANTITIES THAT DEVIATE FROM THAT SHOWN ON PLAN SHALL BE REPORTED IN WRITING TO THE ENGINEER AND OWNER FOR APPROVAL.

2. SAWCUT PERIMETER OF REPAIR AREA EDGES TO AVOID FEATHERED EDGES. REMOVE SPALLED AND UNSOUND CONCRETE WITHIN MARKINGS. EXTEND REPAIR AREAS WITH THE APPROVAL OF ENGINEER AND OWNER IF ADDITIONAL UNSOUND CONCRETE IS ENCOUNTERED. THE REPAIR EDGE SHALL BE EXTENDED A MINIMUM OF THREE INCHES BEYOND THE EXTENT OF CORRODED REINFORCING STEEL.

3. ALL REINFORCING IN GOOD CONDITION (SECTION LOSS LESS THAN 20%) WITHIN THE REPAIR AREA SHALL BE UNDERCUT PER DETAIL 10/SR4.1, SANDBLASTED CLEAN, AND TREATED WITH CORROSION INHIBITING COATING MATERIALS PER SPECIFICATIONS. ALL REINFORCING WITH SECTION LOSS GREATER THAN 20% WITHIN THE REPAIR AREA SHALL BE REPLACED WITH EQUAL REINFORCEMENT; DEVELOP TENSILE STRENGTH OF REPLACEMENT REINFORCEMENT BY SPLICING TO REINFORCING IN "GOOD CONDITION" OR BY DOWELING INTO SOUND CONCRETE AT PERIMETER OF REPAIR AREA USING ADHESIVE EPOXY ANCHORING SYSTEM.

4. WATERBLAST OR SANDBLAST THE CAVITY SURFACES TO REMOVE ALL DEBRIS AND CONTAMINANTS. AIRBLAST AS THE FINAL STEP TO REMOVE REMAINING DEBRIS.

E. CONCRETE REMOVAL

1. CHIPPING HAMMERS SHALL BE SIZED SO THAT THE UNSOUND CONCRETE CAN BE REMOVED IN AN EFFICIENT MANNER WITHOUT DAMAGING THE ADJACENT SOUND CONCRETE. DO NOT CUT INTO OR DAMAGE EMBEDDED REINFORCING AND OTHER EMBEDDED ITEMS SUCH AS CONDUITS.

2. CHIPPING SHALL CONTINUE UNTIL ALL UNSOUND CONCRETE HAS BEEN REMOVED PER REPAIR DETAIL SHEET NOTES.

F. CONCRETE (FOR REPAIRS GREATER THAN 3 INCHES THICK)

1. CONCRETE SHALL MEET THE FOLLOWING CRITERIA:

   28 DAY COMPRESSIVE DESIGN STRENGTH: 5000 PSI (MIN.)

   MAXIMUM W/C RATIO OF 0.4

   PORTLAND CEMENT CONCRETE (REGULAR OR HI-EARLY), TYPE I OR III

   AGGREGATE TO CONFORM TO ASTM C33

   AGGREGATE: #8, 1/2 INCH

   SUPERPLASTICIZED

   AIR ENTRAINED: 6 1/2 ± 1 1/2%

   SLUMP: 4±1 INCH (BEFORE ADDING SUPERPLASTICIZER)

   SYNTHETIC FIBER: 1.5 LB./C.Y. OF CONCRETE, MINIMUM

   3 GAL. OF CALCUIM NITRITE CORROSION INHIBITOR PER CU. YD. OF CONC.

2. CONTRACTOR SHALL SUBMIT MIX DESIGN FOR ENGINEER'S APPROVAL. ADMIXTURES SHALL NOT BE CHANGED FROM THE APPROVED MIX DESIGN WITHOUT THE ENGINEER'S APPROVAL.

3. CONFORM TO THE REQUIREMENTS OF ACI 301 AND ACI 318, LATEST EDITION.

4. THE FIELD QUALITY CONTROL TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING AGENCY HIRED BY OWNER:

   AIR ENTRAINMENT AND SLUMP TESTS FOR EVERY BATCH

   COMPRESSION STRENGTH TESTS ON EVERY 50 C.Y. POUR AND IN ACCORDANCE WITH ACI 318, LATEST EDITION.

5. APPLY ACCEPTABLE BONDING AGENT PRODUCTS PER SPECIFICATION SECTION 033000 & SECTION 039300. DO NOT ALLOW TO DRY BEFORE PLACING CONCRETE.

6. CONCRETE SHALL BE CONSOLIDATED AND CURED PER SPECIFICATIONS. IF CURING COMPOUND IS USED, IT SHALL BE REMOVED BY WATER-BLASTING OR SHOT-BLASTING PRIOR TO THE APPLICATION OF SURFACE WATERPROOFING MEASURES.

7. FOR CONCRETE REPAIRS LESS THAN OR EQUAL TO 3 INCHES THICK, USE CEMENTITIOUS PATCHING MATERIAL PER SPECIFICATION SECTION 039300.

8. GROUT POCKET REPAIRS (REPAIR TYPE GPR): REMOVE EXISTING GROUT AND PERFORM SURFACE PREPARATION AT PRECAST CONNECTION POCKETS. APPLY BONDING AGENT AND RE-PATCH THE CONNECTION POCKET WITH NON-SHRINK, NON-STAIN GROUT. PREPARATION, MIXING, INSTALLATION, AND CURING OF THE GROUT SHALL BE IN CONFORMANCE WITH THE MANUFACTURER'S WRITTEN REQUIREMENTS. IF THE NEW GROUT CRACKS, PULLS FROM THE EDGES, OR DEBONDS, REMOVE AND REPLACE THE GROUT. AFTER THE GROUT FULLY CURES, APPLY VERTICAL WATERPROOFING MEMBRANE PER SPECIFICATION SECTION 079020 TO THE GROUT. FOR BIDDING, ASSUME THAT THE CONNECTION POCKETS ARE ROUGHLY 8" LONG X 8" WIDE X 8" DEEP; FIELD VERIFY ACTUAL DIMENSIONS.

G. REINFORCEMENT

1. ALL NEW REINFORCEMENT SHALL COMPLY WITH ASTM A615 GR. 60.

2. WELDED WIRE FABRIC SHALL BE PER ASTM A185 OR A497. USE MATS ONLY, ROLL STOCK IS NOT PERMITTED.

3. ALL REINFORCING SHALL HAVE THE MINIMUM COVER PER ACI 318, LATEST EDITION.

4. ALL EXISTING EXPOSED STEEL SHALL BE COATED WITH STEEL CORROSION INHIBITING TREATMENT IN ACCORDANCE WITH SPECIFICATION SECTION 039300.

H. EMBEDDED GALVANIC ANODES

1. REFER TO CONCRETE REPAIR DETAILS SUCH AS TYPE PFR, SFR, FFR & REPAIR DETAILS FOR LOCATIONS WHERE ANODES ARE REQUIRED. REFER TO SPECIFICATION SECTION 039300 FOR ADDITIONAL REQUIREMENTS.

2. CONTRACTOR SHALL ONLY ORDER 25% OF REQUIRED ANODES AT BEGINNING OF PROJECT ONCE SUBMITTAL HAS BEEN APPROVED BY ENGINEER. ENGINEER WILL GIVE DIRECTION FOR THE CONTRACTOR TO ORDER ADDITIONAL ANODES AFTER THEIR USE AND NECESSITY HAS BEEN IDENTIFIED DURING THE EARLY STAGES OF THE REPAIR WORK. CONTRACTOR TO INFORM ENGINEER IF A LONG LEAD TIME IS EXPECTED ON THE ANODE ORDERS.

I. CARBON FIBER REINFORCMENT POLYMER (CFRP)

1. REFER TO SPECIFICATION SECTION 039300 AND CFRP REPAIR DETAILS FOR ADDITIONAL REQUIREMENTS.

2. THE CONTRACTOR SHALL PERFORM SURFACE PREPARATION AND INSTALL CFRP AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

3. IN ADDITION TO MANUFACTURER'S REQUIREMENTS, SURFACE PREPARATION SHALL INCLUDE CORNER ROUNDING, SMOOTHING CONCRETE, AND FILLING IN BUG-HOLES AND CRACKS.

4. INCLUDE COST OF MANUFACTURER REPRESENTATIVE'S SUPERVISION DURING SURFACE PREPARATION, INSTALLATION, AND PULL TESTS. THE MANUFACTURER'S REPRESENTATIVE SHALL PROVIDE A REPORT OF THEIR OBSERVATIONS, ANY CORRECTIVE ACTIONS THAT WERE REQUIRED, AND IF THE SURFACE PREPARATION, INSTALLATION, AND PULL TESTS ARE IN CONFORMANCE WITH THE MANUFACTURER'S WRITTEN REQUIREMENTS.

5. REFER TO SPECIFICATION SECTION 039300 FOR MOCKUP AND PULL TEST REQUIREMENTS.

J. EPOXY INJECTION

1. REFER TO SPECIFICATION SECTION 039300 AND EPOXY INJECTION REPAIR DETAIL 4/SR4.4 FOR ADDITIONAL REQUIREMENTS.

2. USE APPROPRIATE METHODS AND PLACEMENT OF INJECTION PORTS TO ASSURE COMPLETE COVERAGE OF CRACKS. REVIEW PREPARED CRACK & REPAIR PROCEDURES ON-SITE W/ ENGINEER & OWNER'S INSPECTION AGENCY PRIOR TO INJECTION OF 1ST CRACK.

3. CRACK REPAIR MATERIALS:

   a. TYPE EI - CRACKS BETWEEN 1/32" & 1/4": PRESSURE INJECT CRACKS W/ A HIGH-STRENGTH, VERY-LOW-VISCOSITY STRUCTURAL EPOXY (SIKADUR 35 HI-MOD LV, SIKADUR 52, OR EQUAL). SEAL CRACKS PRIOR TO INJECTION W/ SIKADUR 31 HI-MOD GEL OR EQUAL.

   b. TYPE EIH - HAIRLINE CRACKS < 1/32" THAT REMAIN AFTER INJECTION OF MAJOR CRACKS: PRESSURE INJECT CRACKS W/ A HIGH-STRENGTH, SUPER LOW-VISCOSITY STRUCTURAL EPOXY (SIKADUR 55 SLV OR EQUAL). SEAL CRACKS PRIOR TO INJECTION W/ SIKADUR 31 HI-MOD GEL OR EQUAL.

   c. TYPE EIW - WET NON-STRUCTURAL WALL CRACKS: INJECT WITH HYDROPHILIC GROUT (SIKAFIX HH HYDROPHILIC, SIKAFIX HH LV, OR SIKAFIX HH PLUS). INSTALL PER MANUFACTURER'S REQUIREMENTS.

K. MASONRY REPAIR/REPLACEMENT AND REPOINTING

1. THE ASSUMED MASONRY BLOCK SIZE FOR REPAIR TYPES M1, M2, & M3 SHALL BE 8"X8"X16" NOMINAL WITH 3/8" MORTAR JOINTS. FIELD VERIFY AND MATCH THE TYPE, SIZE AND FINISH OF THE EXISTING MASONRY BLOCK.

2. REFER TO SPECIFICATION SECTION 040120.63 FOR MASONRY REPAIR/REPLACEMENT (REPAIR TYPE: "M1") REQUIREMENTS.

3. REFER TO SPECIFICATION SECTION 040420.64 AND THE FOLLOWING FOR MASONRY REPOINTING (REPAIR TYPE: "M3") REQUIREMENTS:

   a. CLEAN OUT OLD MORTAR. RAKE OUT DAMAGED, POWDERY, OR DISINTEGRATING MORTAR WITH A COLD CHISEL OR SCREWDRIVER. BRUSH OUT ANY BRICK DUST.

   b. USE A SPONGE, BRUSH, OR RAG TO MOISTEN THE REPAIR AREA WITH WATER.

   c. USE MORTAR AND A GROUT BAG AND APPLY FRESH MORTAR INTO THE JOINTS. GO BACK OVER THE JOINTS WITH A POINTING TROWEL AND TRIM OFF THE EXCESS. BE CAREFUL TO AVOID SMUDGING AND STAINING MORTAR ON TO THE FACE OF THE BRICKS.

   d. AS THE MORTAR STARTS TO SET, SHAPE THE MORTAR JOINTS TO MATCH THE LOOK OF THE ORIGINAL, USING AN APPROPRIATE SHAPED TOOL. WHEN THE MORTAR IS ALMOST SET, USE A BRUSH AND LIGHTLY BRUSH OFF ANY EXCESS STILL ON THE BRICKWORK.

   e. DO NOT CHIP, CUT, OR REMOVE THE BRICK'S SKIN WHICH WILL ACCELERATE DECAY.

   f. REPOINT ONLY WHEN TEMPERATURES REMAIN BETWEEN 40 AND 90 DEGREES FAHRENHEIT.

   g. PROVIDE MOCKUP SAMPLE OF REPOINTING IN FIELD FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF WORK.

L. CONCRETE MASONRY

1. MATERIAL PROPERTIES - MASONRY:

   PRISM STRENGTH OF UNIT MASONRY, f'm = 1,900 psi.
   MORTAR TYPE "S" (ABOVE GRADE).

2. MINIMUM VERTICAL REINFORCEMENT FOR MASONRY WALLS SHALL BE #4@48"O.C. TYP., U.N.O. PROVIDE ONE #4 VERTICAL AT ALL CORNERS, AT EACH SIDE OF OPENINGS, AND AT ENDS OF WALL. MASONRY WALLS SUBJECT TO VEHICULAR LOADING SHALL BE REINFORCED WITH #4@ 16" O.C., EXTENDED TO AT LEAST 2'-0" ABOVE FLOOR AND ALL CORES SHALL BE GROUTED SOLID UP TO 2'-0" ABOVE FLOOR.

3. HORIZONTAL JOINT REINFORCEMENT FOR MASONRY WALLS SHALL BE STANDARD WEIGHT, GALVANIZED SPACED @ 16" O.C. TYP., U.N.O. PROVIDE ONE-PIECE PREFABRICATED UNITS SPACED @ 8" O.C. AT WALL CORNERS AND INTERSECTIONS.

4. PROVIDE CONTROL JOINTS IN MASONRY WALLS AT 20'-0" O.C., MAXIMUM, U.N.O.

5. PROVIDE ANGLE CLIP CONNECTION AT TOP OF INSTALLED MASONRY WALL PER DETAIL 7/SR4.5.

6. PAINT ALL MASONRY BLOCKS AS DIRECTED IN TEXTURE & COLOR.

M. ADHESIVE ANCHORS / DOWEL AND MECHANICAL ANCHORS INSTALLED IN CONCRETE OR MASONRY AS REQUIRED

1. MECHANICAL ANCHORS SHALL BE HILTI KWIK BOLT TZ OR EQUAL, U.N.O.

2. ADHESIVE ANCHOR DOWELS SHALL BE HILTI HIT HY 200 OR EQUAL, U.N.O.

3. ANCHORS, WASHERS, AND NUTS SHALL BE HOT DIP GALVANIZED OR TYPE 316 STAINLESS STEEL AND MUST BE SELECTED TO ASSURE COMPATIBILITY WITH THE BASE MATERIAL AND PREVENT CORROSION DUE TO DISSIMILAR METALS.

4. WHEN INSTALLING ANCHORS / DOWELS IN EXISTING CONCRETE OR MASONRY, EXERCISE CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING.

5. PREPARATION AND INSTALLATION OF THE ANCHORS / DOWELS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE MANUFACTURER'S WRITTEN INSTRUCTIONS. INCLUDE COST OF MANUFACTURER REPRESENTATIVE'S SUPERVISION DURING PREPARATION, INSTALLATION, AND PULL TESTS. THE MANUFACTURER'S REPRESENTATIVE SHALL PROVIDE A REPORT OF THEIR OBSERVATIONS, ANY CORRECTIVE ACTIONS THAT WERE REQUIRED AND IF THE PREPARATION, INSTALLATION, AND PULL TESTS ARE IN CONFORMANCE WITH THE MANUFACTURER'S WRITTEN REQUIREMENTS.

6. FIELD QUALITY CONTROL

   a. OWNER WILL ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM THE FIELD TESTS AND INSPECTIONS.

   b. ANCHORS AND DOWELS INSTALLED HORIZONTALLY, IN OVERHEAD, OR UPWARDLY INCLINED ORIENTATIONS, OR ANY ANCHOR OR DOWEL THAT RESISTS SUSTAINED TENSION LOADS.

      b.1 PERFORM PROOF PULL TESTS ON 25% OF ANCHORS AND DOWELS AS DIRECTED BY ENGINEER.

   c. PROOF PULL TEST LOAD SHALL BE APPROXIMATELY THE MEAN ULTIMATE ANCHOR TENSION STRENGTH. COORDINATE TESTING REQUIREMENTS WITH MANUFACTURER'S REPRESENTATIVE.

N. STRUCTURAL STEEL

1. MATERIAL PROPERTIES - STRUCTURAL STEEL: (U.N.O.)

TYPE	Fy, PSI	ASTM NO.
W-SHAPE	50,000	A992
CONNECTION STEEL	36,000	A36
STEEL PIPES	35,000	A53, GRADE B
COLD FORMED STEEL	33,000	A924
WELDING ELECTRODES	E70XX	AWS D1.1, D1.6 OR D19.0
HIGH STRENGTH BOLTS	120,000 (Fu, PSI)	A325

2. STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "STEEL CONSTRUCTION MANUAL", LATEST EDITION.

3. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION.

4. ALL EXTERIOR STEEL MEMBERS AND CONNECTIONS SHALL BE PAINTED WITH RUST-INHIBITING PRIMER OR HOT-DIP GALVANIZED, AND PAINTED PER SPECIFICATIONS. DO NOT GALVANIZE OR PAINT SURFACES TO BE FIELD WELDED. TOUCH UP ALL FIELD WELDS WITH RUST-INHIBITING PRIMER OR GALVANIZING REPAIR PAINT AND PAINT PER SPECIFICATIONS. REFER TO AWS D19.0 FOR ADDITIONAL INFO.

3. BOLTED CONNECTIONS:

   a. ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIA. ASTM A325 BOLTS WITH ASTM F436 WASHERS AND ASTM A563 NUTS, U.N.O.

   b. ALL HIGH-STRENGTH BOLT CONNECTIONS SHALL CONFORM TO "SPECIFICATIONS FOR STRUCTURAL JOINT USING ASTM A325 BOLTS" AS ENDORSED BY AISC.

   c. HIGH-STRENGTH BOLTED CONNECTIONS SHALL BE BEARING TYPE WITH THREADS ALLOWED IN THE SHEAR PLANE, U.N.O.

   d. HIGH-STRENGTH BOLTS SHALL BE SNUG-TIGHTENED, UNLESS REQUIRED BY AISC SPECIFICATIONS TO BE FULLY PRETENSIONED OR NOTED AS PRETENSIONED ON THE DRAWINGS. PRETENSION BOLTS WITH A CALIBRATED TORQUE WRENCH OR BY THE "TURN OF THE NUT" METHOD.

4. ALL WELDING SHALL CONFORM TO AWS D1.1 OR AWS D19.0 (GALVANIZED STEEL), LATEST EDITION.

O. METAL PAN STAIRS

1. AT LEAST ONE STAIRS MUST REMAIN OPEN DURING THE REPAIR WORK.

2. STEEL PANS SHALL BE UNCOATED, COLD OR HOT-ROLLED STEEL SHEETS (ASTM A 1008 OR ASTM A 1011, RESPECTIVELY), GRADE 33, AND SAME GAUGE AS EXISTING.

3. CONCRETE FILL SHALL BE HIGH EARLY STRENGTH (3000 PSI MIN. @ 4 HOURS) HAVING 3 GALLONS OF CALCIUM NITRITE CORROSION INHIBITOR PER CUBIC YARD OF CONCRETE AND SHALL BE REINFORCED WITH W.W.R. W2.5xW2.5-3x3 (MIN.).

4. ANY DEVIATION FROM EXISTING CONSTRUCTION SHALL BE ACCOMPANIED BY SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK.

P. FIRE PROTECTION AND FIRESTOPPING (AS REQUIRED)

1. MAINTAIN FIREPROOFING AND FIRE-RESISTANCE RATING OF EXISTING STRUCTURAL MEMBERS. WHERE CONTRACTOR'S WORK OR SELECTED MEANS AND METHODS RESULTS IN DAMAGE OR REMOVAL OF EXISTING FIREPROOFING MATERIAL THAT IS NOT SCHEDULED TO BE REMOVED, CONTRACTOR SHALL REPLACE THE FIREPROOFING TO MATCH THE EXISTING FIRE-RESISTANCE RATING, AND ANY ASSOCIATED COST SHALL BE PAID FOR BY THE CONTRACTOR.

2. MAINTAIN FIRE RATING OF FIRE-RESISTANCE-RATED ASSEMBLIES SUCH AS FLOORS, CEILINGS, AND WALLS. MODIFICATIONS AND/OR PENETRATIONS TO EXISTING ASSEMBLIES FOR UTILITY RUNS OR OTHER REASONS AS IDENTIFIED IN THE CONTRACT DOCUMENTS SHALL BE SEALED WITH PENETRATION FIRESTOPPING AND/OR JOINT FIRESTOPPING EQUAL TO THE ORIGINAL RATING, U.N.O. EXISTING ASSEMBLIES ARE ASSUMED TO HAVE THE FIRE RESISTIVE RATING OF 2 HOURS.

Q. CORROSION INHIBITING SEALER

1. REFER TO SPECIFICATION SECTION 079020 FOR ACCEPTABLE CORROSION INHIBITING SEALERS.

2. PROVIDE SURFACE PREPARATION OF THE FLOOR SLABS BY METHODS WHICH CAN BE PERFORMED WITHOUT DAMAGING EXISTING CONCRETE SURFACES.

3. THE CORROSION INHIBITING SEALER BE APPLIED IN ACCORDANCE WITH SPECIFICATION SECTION 079020. THE FLOOR COVERAGE RATE SPECIFIED IS MINIMUM REQUIREMENT AND SHALL BE SATISFIED ON A BAY-BY-BAY BASIS. THE APPLICATION OF THE CORROSION INHIBITING SEALER SHALL BE INSPECTED BY MANUFACTURER'S REPRESENTATIVE AND ANY ASSOCIATED COSTS SHALL BE INCLUDED WITHIN THE BID.

R. TRAFFIC DECK COATING & VERTICAL WATERPROOFING MEMBRANE SYSTEM

1. REFER TO SPECIFICATION SECTION 079020 FOR ACCEPTABLE PRODUCTS AND ADDITIONAL REQUIREMENTS OF THE WATERPROOFING COATINGS AND MEMBRANE SYSTEMS.

2. PROVIDE SURFACE PREPARATION BY METHODS WHICH CAN BE PERFORMED WITHOUT DAMAGING EXISTING CONCRETE SURFACES.

3. PREPARATION AND INSTALLATION OF THE WATERPROOFING COATINGS/MEMBRANES SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE MANUFACTURER'S WRITTEN INSTRUCTIONS. THE COVERAGE RATE SPECIFIED IS MINIMUM REQUIREMENT. THE APPLICATION OF THE WATERPROOFING COATINGS/MEMBRANES SHALL BE INSPECTED BY MANUFACTURER'S REPRESENTATIVES AND ANY ASSOCIATED COSTS SHALL BE INCLUDED WITHIN THE BID.

4. APPLY HEAVY DUTY TRAFFIC DECK COATING TO AREAS SHOWN ON PLANS INCLUDING CURBS, STAIRS, STEPS, AND LANDINGS.

5. APPLY VERTICAL WATERPROOFING MEMBRANE SYSTEM TO AREAS SHOWN ON THE DRAWINGS.

6. THE REPAIR PROCEDURE OF COAT REPAIR (OVERHEAD SURFACE WITH FINE CRACKS).

   a. REMOVE LOOSE CONCRETE OVER EXPOSED REINFORCING AS REQUIRED.
   b. APPLY CORROSION INHIBITING AGENT OVER EXPOSED REINFORCING AS APPLICABLE.
   c. APPLY MIN. 6' WIDE ANTI-CARBONATION VERTICAL MEMBRANE SYSTEM (SUCH AS "SIKAGARD 550W ELASTIC" OR EQUAL: REFER TO SPEC SECTION 079020) ON OVERHEAD SLAB SURFACE WITH AGENT OVER EXPOSED REINFORCING AS APPLICABLE.

S. SEALANT

1. REFER TO SPECIFICATION SECTIONS 079020 & 079200 FOR ACCEPTABLE JOINT SEALANTS.

2. REMOVE AND PROPERLY DISPOSE OF EXISTING SEALANT AND APPLY NEW SEALANT TO MATCH EXISTING COLOR. SAMPLES SHALL BE PROVIDED FOR ENGINEER'S & OWNER'S REVIEW AND APPROVAL.

3. JOINT EDGES SHALL BE WATER-BLASTED, SANDBLASTED, OR OTHERWISE CLEANED AND PREPARED PRIOR TO THE SEALANT APPLICATION.

4. PRIMER SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS PRIOR TO APPLICATION OF NEW SEALANT.

T. EXPANSION JOINT SYSTEMS

1. REFER TO SPECIFICATION SECTION 079020 FOR ACCEPTABLE EXPANSION JOINT SYSTEM AND INSTALLATION PROCEDURES.

2. JOINT EDGES AND BLOCKOUTS SHALL BE SANDBLASTED OR PREPARED ACCORDING TO THE MANUFACTURER'S REQUIREMENTS PRIOR TO THE EXPANSION JOINT APPLICATION.

U. PAINTING

1. TRAFFIC MARKINGS (STRIPING AND TRAFFIC ARROWS)

   a. CONTRACTOR SHALL REPLACE ALL TRAFFIC MARKINGS (STRIPING AND TRAFFIC ARROWS WITHIN THE GARAGE PER ARCHITETCURAL PLANS A1.1 THRU A1.5).
   b. REMOVE TRAFFIC MARKINGS AT TOP TIER BY SHOT-BLASTING OR ADEQUATE METHODOLOGY AS NOT TO DAMAGE TRAFFIC DECK MEMBRANES.

2. CEILING/WALL SURFACES OF CONCRETE

   a. CONTRACTOR SHALL SANDBLAST CLEAN ALL CONCRETE MEMBERS.
   b. ONCE CONCRETE REPAIR WORK IS COMPLETE, THE CONTRACTOR SHALL APPLY PAINT PER SPECIFICATION SECTION 099100.

V. STORM AND SANITARY DRAINAGE SYSTEM

1. HIGH-PRESSURE WATER JET CLEAN ALL DRAINAGE PIPES (STORM AND SANITARY) WITHIN THE GARAGE AND EXTENDING 5 FEET PAST THE FACE OF THE GARAGE. MARKUP THE FLOOR PLANS AND REPORT IMPENETRABLE BLOCKAGES, CRACKS, HEAVY RUSTING/SECTION LOSS, LEAKS, ETC. TO THE OWNER AND ENGINEER.

2. THE EXTENT AND LOCATIONS OF DRAINAGE SYSTEM REPLACEMENT WILL BE VERIFIED BY THE ENGINEER AFTER RECEIVING THE CONTRACTOR'S POST-WATER JETTING REPORT. HOWEVER, IF ENGINEER DETERMINES THAT DRAINAGE SYSTEM REPLACEMENT WORK IS NECESSARY, THE WORK SHALL BE PERFORMED AT UNIT COST. IF DIRECTED BY THE ENGINEER, REPLACE DAMAGED PORTIONS OF THE DRAINAGE SYSTEM TO MATCH EXISTING CONDITIONS, UNLESS NOTED OTHERWISE.

3. USE HUBLESS PIPE AND FITTINGS: ASTM A 888 OR CISPI 301.

4. COUPLINGS SHALL BE HEAVY-DUTY, HUBLESS-PIPING COUPLINGS COMPLYING WITH ASTM C 1540. SHIELD ASSEMBLIES SHALL CONSIST OF STAINLESS-STEEL BI-DIRECTIONAL CORRUGATED SHIELD WITH STAINLESS-STEEL BANDS AND TIGHTENING DEVICES; AND ASTM C 564, RUBBER SLEEVE WITH INTEGRAL, CENTER PIPE STOP.

5. PROVIDE GALVANIZED PIPE HANGERS, SUPPORTS, AND SLEEVES TO MATCH EXISTING.

6. NEW DRAIN(S) AND PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE DRAWINGS AND BUILDING CODE REQUIREMENTS. PROVIDE PIPE, FITTINGS, CLEANOUTS, HANGERS, SUPPORTS, SLEEVES, AND OTHER ANCILLARY COMPONENTS TO MATCH EXISTING CONDITIONS AND MEET CODE REQUIREMENTS. RUN PIPE AS HIGH AS POSSIBLE TO MINIMIZE PROJECTIONS BELOW STRUCTURE. RUN PIPE TIGHT TO COLUMNS, WALLS, AND SOFFIT IF POSSIBLE. PROVIDE 1/8" PER FT. MIN. PITCH & CONNECT TO EXISTING DRAIN LINE. MAINTAIN HEADROOM CLEARANCE.

7. THE UNIT PRICE FOR REPAIR TYPE DPR (DRAINAGE PIPE REPLACEMENT) IS PER LINEAR FOOT AND SHALL INCLUDE PIPE, FITTINGS, CLEANOUTS, HANGERS, SUPPORTS, SLEEVES, AND OTHER ANCILLARY COMPONENTS AS NEEDED TO MEET REQUIREMENTS.

W. MECHANICAL/ELECTRICAL/PLUMBING/FIRE PROTECTION SYSTEMS, EQUIPMENT, & SERVICES (MEP&FP SERVICES)

1. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING MEP&FP SERVICES. CONTRACTOR SHALL REVIEW ALL REPAIR AREAS PRIOR TO COMMENCING EACH PHASE OF THE WORK AND NOTIFY ENGINEER IF REMOVAL, REPLACEMENT OR RELOCATION OF MEP&FP SERVICES IS NECESSARY TO COMPLETE THE WORK. IF MEP&FP WORK IS NECESSARY, INCLUDE THE PROPOSED SCOPE AND ESTIMATED COST. APPROVED MEP&FP WORK SHALL BE PERFORMED BY THE CONTRACTOR OR ITS APPROVED SUBCONTRACTOR AND BILLED AGAINST THE MEP&FP SERVICES ALLOWANCE.

2. EMBEDDED CONDUITS WITHIN REPAIR AREA SHALL BE LOCATED, MARKED, AND DE-ENERGIZED PRIOR TO DEMOLITION.

3. SPECIAL CARE SHALL BE TAKEN TO PREVENT CLOGGING EXISTING DRAINS.

4. AFTER WORK IS COMPLETE, CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ANY EXISTING DRAIN SYSTEMS THAT HAVE BEEN CLOGGED BY CONSTRUCTION ACTIVITIES.

X. EXAMINATION PRIOR TO CUTTING, DRILLING, AND CORING THROUGH STRUCTURE

1. DO NOT CUT, DRILL, OR CORE THROUGH ANY STRUCTURAL ELEMENT WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER, U.N.O.

2. THE CONTRACTOR SHALL SCAN THE CONCRETE AT ALL LOCATIONS OF PROPOSED CUTS AND PENETRATIONS TO LOCATE AND MARK ALL EMBEDDED OBJECTS INCLUDING, BUT NOT LIMITED TO, REINFORCING, PRESTRESS OR POST-TENSION STRANDS, CONNECTIONS, ELECTRICAL CONDUIT, AND ANY OTHER HARDWARE/EQUIPMENT. SCANNING SHALL BE PERFORMED BY A CERTIFIED TECHNICIAN USING A PACHOMETER OR GROUND PENETRATING RADAR (GPR) TYPE SCANNER. CALIBRATE THE SCANNER AT THE BEGINNING OF EACH SHIFT AND WHEN CONDITIONS CHANGE. LOCATE AT LEAST THREE REINFORCING BARS USING THE SCANNER, AND HAMMER DRILL TEST HOLES TO DETERMINE DEPTH OF COVER. CALIBRATE SCANNER USING THE DEPTH OF COVER MEASUREMENTS.

3. ADJUST LOCATIONS OF CUTS AND PENETRATIONS AS REQUIRED TO AVOID EMBEDDED OBJECTS.

4. SUBMIT SCANNING REPORT(S), INCLUDING PHOTOGRAPHS AND SCALED DRAWINGS AND/OR SKETCHES TO ENGINEER FOR APPROVAL. ALLOW SEVEN DAYS FOR ENGINEER TO REVIEW AND APPROVE OR COMMENTS ON THE PROPOSED CUTS AND PENETRATIONS. ADJUST THE LOCATIONS AS DIRECTED BY THE ENGINEER.

5. USE HAMMER DRILLS WHEN POSSIBLE; DO NOT CORE DRILL UNLESS THE SCANNING OPERATION HAS CLEARLY SHOWN THAT THE AREA IS FREE OF EMBEDDED OBJECTS.

6. DO NOT CUT THROUGH OR DAMAGE THE EMBEDDED OBJECTS INCLUDING, BUT NOT LIMITED TO, REINFORCING, PRESTRESS OR POST-TENSION STRANDS, CONNECTIONS, ELECTRICAL CONDUIT, AND ANY OTHER HARDWARE/EQUIPMENT.

Y. ABBREVIATIONS

A.B.	ANCHOR BOLTS	G.W.B.	GYPSUM WALL BOARD
A.F.F.	ABOVE FINISHED FLOOR	H.A.S.	HEADED ANCHOR STUDS
ALT.	ALTERNATE	H.M.	HOLLOW METAL
ARCH.	ARCHITECT	HOR.	HORIZONTAL
BET.	BETWEEN	HT.	HEIGHT
BIT.	BITUMINOUS	H.V.A.C.	HEATING, VENTILATION & AIR CONDITIONING
BOTT.	BOTTOM		
BRG.	BEARING	I.D.	INSIDE DIAMETER
C.I.P.	CAST-IN-PLACE	INFO.	INFORMATION
C.J.	CONTROL JOINT / CONSTRUCTION JOINT	INSUL.	INSULATION
		INT.	INTERIOR
CL./CLR.	CLEAR	INV.	INVERT
C.M.	CONSTRUCTION MANAGER	JT.	JOINT
C.M.U.	CONCRETE MASONRY UNIT	LBS.	POUNDS
COL.	COLUMN	LIN.	LINEAL
CONC.	CONCRETE	MAX.	MAXIMUM
CONN.	CONNECTION	MECH.	MECHANICAL
CONT.	CONTINUOUS	MFR.	MANUFACTURER
CONTR.	CONTRACTOR	MIN.	MINIMUM
D.B.A.	DEFORMED BAR ANCHOR	MISC.	MISCELLANEOUS
DET.	DETAIL	MSB	MEDIUM SAND BLAST
DIA.	DIAMETER	MTL.	METAL
DIM.	DIMENSION	(N)	NEW
DN.	DOWN	N.F.	NEAR FACE
D.O.	DOOR OPENING	N.I.C.	NOT IN CONTRACT
DWG(S).	DRAWING(S)	NOM.	NOMINAL
(E)	EXISTING	N.S.N.S.	NON-SHRINK, NON-STAIN
EA.	EACH	N.T.S.	NOT TO SCALE
E.B.F.	ELEVATION BOTTOM OF FOOTING	O.C., O/C	ON CENTERS
E.B.P.	ELEVATION BOTTOM OF PIER	O.D.	OUTSIDE DIAMETER
E.F.	EACH FACE	O.H.	OPPOSITE HAND
E.F.G.	ELEVATION FINISHED GRADE	P/C	PRECAST CONCRETE
E.J.	EXPANSION JOINT	PSI	POUNDS PER SQUARE INCH
EL./ELEV.	ELEVATION	PSF	POUNDS PER SQUARE FOOT
ELEC.	ELECTRICAL	P/T	POST-TENSIONED
E.T.B.	ELEVATION TOP OF BEAM	R.D.	ROOF DRAIN
E.T.C.	ELEVATION TOP OF PILE OR DRILLED PIER CAP	REINF.	REINFORCEMENT/REINFORCING
		REQ'D	REQUIRED
E.T.F.	ELEVATION TOP OF FOOTING	RM.	ROOM
E.T.L.	ELEVATION TOP OF LEDGE	R.O.	ROUGH OPENING
E.T.P.	ELEVATION TOP OF PIER	SCHED.	SCHEDULE
E.T.P/C.	ELEVATION TOP OF PRECAST	SECT.	SECTION
E.T.S.	ELEVATION TOP OF SLAB	SHT.	SHEET
E.T.W.	ELEVATION TOP OF WALL	SIM.	SIMILAR
E.W.	EACH WAY	S.O.G.	SLAB-ON-GRADE
E.W.E.F.	EACH WAY, EACH FACE	SPECS.	SPECIFICATIONS
E.W.P.	ELEVATION WORKING POINT	SQ.	SQUARE
EXIST.	EXISTING	STD.	STANDARD
EXT.	EXTERIOR	STL.	STEEL
F.D.	FLOOR DRAIN	T & B	TOP AND BOTTOM
F.E.	FIRE EXTINGUISHER	T.B.D.	TO BE DETERMINED
F.F.	FAR FACE	TYP.	TYPICAL
FDN.	FOUNDATION	U.N.	UNLESS NOTED
FIN.	FINISH	VERT.	VERTICAL
FL./FLR.	FLOOR	V.I.F.	VERIFY IN FIELD
FTG.	FOOTING	W/	WITH
GA.	GAUGE	W/O	WITHOUT
GALV.	GALVANIZED	W.P.	WORKING POINT
G.B.	GRADE BEAM	WT.	WEIGHT
G.C.	GENERAL CONTRACTOR	WWF	WELDED WIRE FABRIC
GPR	GROUND PENETRATING RADAR	WWR	WELDED WIRE REINFORCEMENT
GR.	GRADE		

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PROJECT NO.
NBR20136.01

PROJECT

Yonkers GCG Restoration

PARKING GARAGE

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SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

NORTH

DRAWN: DJK
REVIEWED: SHH
DATE: 04/11/2022

SHEET TITLE:
STRUCTURAL GENERAL NOTES

SHEET NO.
SR0.1

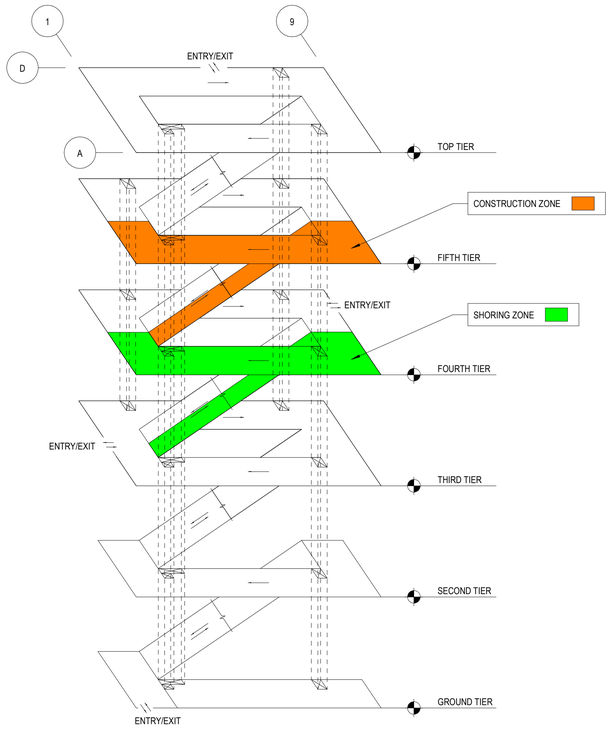
SCOPE OF WORK AND BIDDING QUANTITIES

THE FOLLOWING INFORMATION SHALL BE USED BY THE BIDDER FOR ASSISTANCE IN PREPARING THE BID. THE ITEMS NOTED AS UNIT PRICE WORK SHALL BE BID IN ACCORDANCE WITH THE QUANTITIES SHOWN FOR THE BASE BID. THE CONTRACT PRICE WILL BE ADJUSTED TO REFLECT THE ACTUAL QUANTITY OF WORK PERFORMED. THE UNIT PRICES WILL BE USED TO INCREASE OR DECREASE THE CONTRACT SUM.

THE REPAIR AREAS INDICATED ON THE DRAWINGS ARE A GENERAL INDICATION OF WHERE THE ENGINEER'S SURVEYS HAVE NOTED POSSIBLE REPAIR LOCATIONS. THE CONTRACTOR SHALL NOT MAKE ANY ASSUMPTIONS OF REPAIR LOCATIONS, SIZES, OR OVERALL QUANTITIES BASED UPON THE INFORMATION ON PLANS. THE PROCEDURE FOR DETERMINING THE REPAIR LOCATIONS ARE EXPLAINED IN THE GENERAL NOTES AND SPECIFICATIONS. ALL WORK SHALL BE PERFORMED BASED ON THE GENERAL CONDITIONS SET FORTH IN THE PROJECT SPECIFICATIONS.

* THE CONTINGENT REPAIR QUANTITIES ARE INCLUDED IN THE TOTAL BASE BID QUANTITY. THE EXACT LOCATION AND QUANTITIES OF REPAIRS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. CONTRACTOR SHALL ONLY ORDER 10% OF REQUIRED MATERIALS AT BEGINNING OF PROJECT ONCE SUBMITTAL HAS BEEN APPROVED BY ENGINEER. CONTRACTOR SHALL ORDER ADDITIONAL MATERIALS AFTER THEIR USE AND NECESSITY HAS BEEN IDENTIFIED DURING THE EARLY STAGES OF THE REPAIR WORK. CONTRACTOR TO INFORM THE ENGINEER/OWNER IF A LONG LEAD TIME IS EXPECTED ON THE MATERIAL ORDERS.

REPAIR ITEMS		UNIT OF MEASURE	BASE BID QUANTITIES	ALTERNATIVE #1 QUANTITIES	REPAIR REFERENCE	UNIT PRICE NUMBER
COR	CONCRETE OVERLAY REPAIR	SF	90	-	1/SR4.1	1
PFR	PARTIAL DEPTH FLOOR REPAIR	SF	3700 (*)	-	2/SR4.1	2
SFR	SHALLOW DEPTH FLOOR REPAIR	SF	90	-	3/SR4.1	3
FFR	FULL DEPTH FLOOR REPAIR	SF	50 (*)	-	4/SR4.1	4
OSR	OVERHEAD SURFACE REPAIR	SF	700	-	5/SR4.1	5
OBR	OVERHEAD BEAM REPAIR	SF	70	-	6/SR4.1	6
VR	VERTICAL REPAIR	SF	370	-	7/SR4.1	7
CR	COLUMN REPAIR	SF	45	-	8/SR4.1	8
CRB	CURB REPAIR	SF	25	-	9/SR4.1	9
GPR	GROUT POCKET REPAIR	EA	6	-	F.8/SR0.1	10
TTC2	TEE TO TEE CONNECTION REPAIR (TOPPED TEE)	EA	5 (*)	-	1/SR4.2	11
TTC3	TEE TO TEE CONNECTION REPAIR (REWELD)	EA	20 (*)	-	1/SR4.2	12
TTC4	TEE TO TEE CONNECTION REPAIR (EI @ CRACK)	EA	5 (*)	-	1/SR4.2	13
TTC5	TEE TO TEE CONNECTION REPAIR (ANGLE CONN.)	EA	5 (*)	-	2/SR4.2	14
TTC6	TEE TO TEE CONNECTION REPAIR (CFRP BISCUIT)	EA	71 (*)	-	6/SR4.2	15
HR	HAUNCH REPAIR	EA	260	-	3/SR4.2	16
HRG	HAUNCH REPAIR AT GIRDER	EA	5 (*)	-	3/SR4.2	17
TSR	TEE STEM REPAIR	EA	160	-	4/SR4.2	18
TBPR	TEE STEM BEARING PAD REPLACEMENT	EA	5 (*)	-	4/SR4.2	19
WHR	WALL HAUNCH REPAIR	SF	370	-	5/SR4.2	20
TSS	TEE STEM STRENGTHENING REPAIR (CFRP) - DAPPED END	LF	225	-	1/SR4.3	21
M1	MASONRY BLOCK REPAIR	SF	170	-	K/SR0.1	22
M2	MASONRY BLOCK REPLACEMENT	SF	10 (*)	-	K/SR0.1	23
M3	MASONRY BLOCK REPOINTING	LF	60	-	K/SR0.1	24
FCS	STATIC FLOOR CRACK REPAIR	LF	3600 (*)	-	2/SR4.4	25
FCP	POLYMER-FED FLOOR CRACK REPAIR	LF	5 (*)	-	2/SR4.4	26
SR	SEALANT REPLACEMENT	LF	24150	-	3/SR4.4	27
VSR	VERTICAL SEALANT REPLACEMENT	LF	310	-	3/SR4.4	28
EI	EPOXY INJECTION	LF	390	-	4/SR4.4	29
EIH	EPOXY INJECTION @ HAIRLINE CRACK	LF	5 (*)	-	4/SR4.4	30
EIW	WET EPOXY EJECTION	LF	20	-	4/SR4.4	31
TCA	TRAFFIC DECK COATING APPLICATION - URETHANE	SF	390	-	7/SR4.4	32
TCR1	TRAFFIC DECK COATING REPLACEMENT - OPTION 1	SF	148400	-	7/SR4.4	33
EJ	EXPANSION JOINT REPLACEMENT	LF	15	-	8/SR4.4	34
EJN	EXPANSION JOINT NOSING REPAIR	LF	10 (*)	-	8/SR4.4	35
EJT	BOLT-DOWN EXPANSION JOINT REPLACEMENT	LF	80	-	8/SR4.4	36
EJC	COMPRESSIBLE EXPANSION JOINT REPLACEMENT	LF	110	-	10/SR4.4	37
EJB1	MINOR EXPANSION JOINT BLOCKOUT REPAIR	LF	10	-	11/SR4.4	38
EJB2	EXPANSION JOINT BLOCKOUT CONCRETE REPAIR	LF	5 (*)	-	11/SR4.4	39
SFD	SUPPLEMENTAL FLOOR DRAIN	EA	30 (*)	-	2/SR4.5	40
RFD	REPLACEMENT FLOOR DRAIN	EA	5 (*)	-	2/SR4.5	41
STRO	INSTALLATION OF STAIR TOWER ROUGH OPENINGS	LS	1	-	3, 4, 5 & 6/SR4.5	42
CMUT	INSTALLATION OF TOP GALV. ANGLES AND BENT PLATES REPLACEMENT	EA	40 (*)	-	7/SR4.5	43
GSPL	PRECAST GRADE SPANDREL REPAIR	EA	1	-	1/SR4.6	44
SPL BRG	PRECAST NON LOAD-BEARING SPANDREL / COLUMN REPAIR	EA	1	-	2/SR4.6	45
MPS	METAL PAN STAIR REPAIR	EA	55	-	3/SR4.6	46
CMUB	BOTTOM OF C.M.U. WALL AT S.O.G. STEP DETAIL	EA	1	-	4/SR4.6	47
BCS1	BIRD CONTROL SYSTEM - SPIKE	LF	860	-	4/SR5.2	48
BCS2	BIRD CONTROL SYSTEM - ANGLE	LF	4760	-	1 & 2/SR5.2	49
BSC3	BIRD CONTROL SYSTEM - WIDE ANGLE	LF	630	-	3/SR5.2	50
BCS4	BIRD CONTROL SYSTEM - END CAP	EA	55 (*)	-	1 & 2/SR5.2	51
BSC5	BIRD CONTROL SYSTEM - WIDE END CAP	EA	30 (*)	-	3/SR5.2	52
GA	GALVANIC ANODES	EA	500 (*)	-	H/SR0.1	53
COAT	OVERHEAD SURFACE FINE CRACK REPAIR	LF	55	-	R.6/SR0.1	54
LNS	LINE STRIPING	LS	1	-	U.1/SR0.1	55
FPW	CONCRETE POWER WASHING	LS	1	-	U.2/SR0.1	56
SSCR	STORM AND SANITARY SYSTEMS CLEANING	LS	1	-	V/SR0.1	57
DPR	DRAINAGE PIPING REPLACEMENT (AVG. 10" DIAMETER PVC PIPING)	LF	55 (*)	-	V/SR0.1	58
CIS	CORROSION INHIBITING PENETRATING SEALER	SF	-	148400	Q/SR0.1	59
DCIP	DEMOLITION OF C.I.P., C.M.U., & OTHER MISC. ELEMENTS	LS	1	-	-	60
-	MEP & FP ALLOWANCE ($; LUMP SUM)	LS	$20,000	-	W/SR0.1	-



TYPICAL CONSTRUCTION PHASING SCHEME

NOTES:

1. (*) FOR BID PURPOSE ONLY, ACTUAL QUANTITY TO BE VERIFIED DURING CONSTRUCTION.
2. LUMP SUM WORK ITEMS: (GC TO INCLUDE THE COST OF ALL LUMP SUM ITEMS IN THE BASE BID COST)
   A. GENERAL CONDITIONS (REFER TO PROJECT SPECIFICATIONS).
   B. PLUMBING SYSTEM CLEAN-UP (USING HIGH PRESSURE WATER JET).
   C. APPLICATION OF TRAFFIC MARKINGS (STRIPING AND TRAFFIC ARROWS) AT ALL TIERS.
   D. ALL OTHER MISCELLANEOUS ITEMS SPECIFIED IN PROJECT SPECIFICATIONS, GENERAL NOTES SHEET SR0.1, THE SCOPE OF WORK TABLE, AND ALL REPAIR DETAILS.

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BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

NORTH

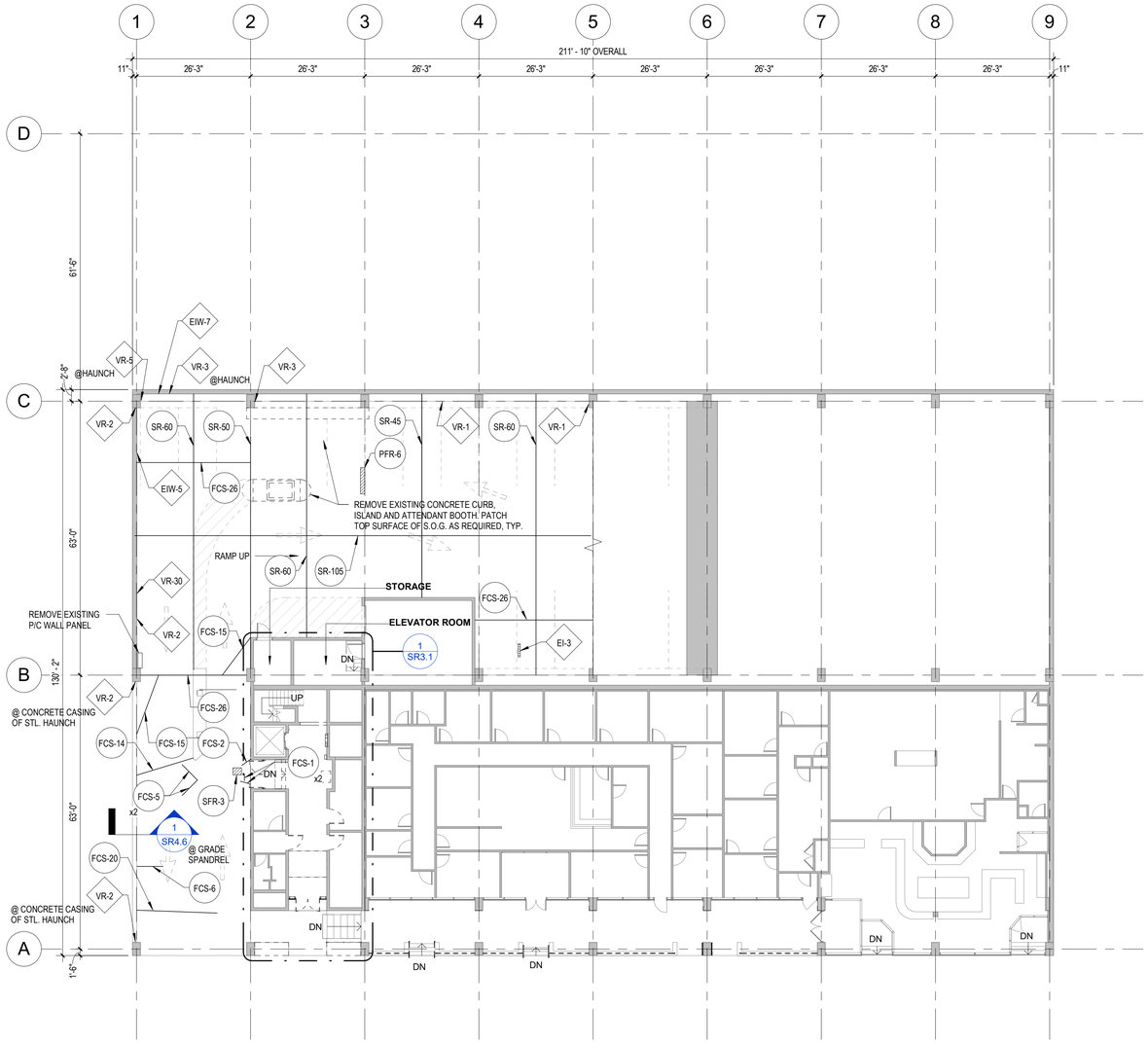
DRAWN: DJK
REVIEWED: SHH
DATE: 04/11/2022

SHEET TITLE:

REPAIR QUANTITIES TABLE

SHEET NO.

SR0.2



1 SR1.1 GROUND TIER STRUCTURAL RESTORATION FLOOR PLAN
1/16" = 1'-0"

LEGEND

FLOOR REPAIR

REPAIR TYPE OF REFERENCE — XX-X — # OF LOCATIONS PER REFERENCE (#) — QUANTITY

OVERHEAD REPAIR

REPAIR TYPE OF REFERENCE — XX - X — # OF LOCATIONS PER REFERENCE (#) — QUANTITY

VERTICAL REPAIR

REPAIR TYPE OF REFERENCE — XX-X — # OF LOCATIONS PER REFERENCE (#) — QUANTITY

REPAIR AREAS ON PLAN ARE DEPICTED ON THE FOLLOWING SURFACES:

PLAN — OVERHEAD / VERTICAL / FLOOR

- SHALLOW, PARTIAL, OR FULL DEPTH FLOOR REPAIR OR CURB REPAIR
- OVERHEAD FLOOR REPAIR
- FULL DEPTH FLOOR REPAIR
- CONCRETE OVERLAY REPAIR
- TRAFFIC DECK MEMBRANE APPLICATION OR REPLACEMENT (OPTION 1)
- EPOXY INJECTION CRACK REPAIR AT TEE STEM
- STATIC FLOOR CRACK REPAIR

FLOOR REPAIR

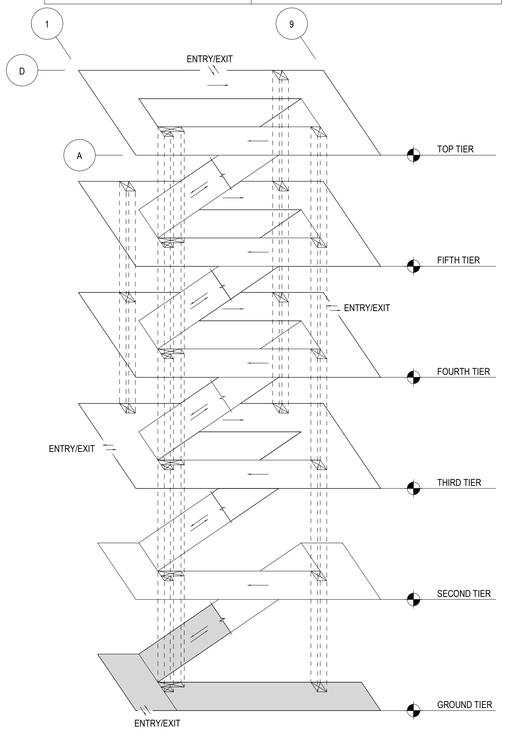
COR	CONCRETE OVERLAY REPAIR
PFR	PARTIAL DEPTH FLOOR REPAIR
SFR	SHALLOW DEPTH FLOOR REPAIR
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
SR	SEALANT REPLACEMENT
FCS	STATIC FLOOR CRACK REPAIR
FCD	DYNAMIC FLOOR CRACK
TTC2	TEE-TO-TEE CONNECTION REPAIR (TOPPED TEE)
TTC3	TEE-TO-TEE CONNECTION REPAIR (REWELD)
TTC4	TEE-TO-TEE CONNECTION REPAIR (EI @ CRACK)
TTC5	TEE-TO-TEE CONNECTION REPAIR (ANGLE CONN.)
TTC6	TEE-TO-TEE CONNECTION REPAIR (CFRP BISCUIT)
EJ	EXPANSION JOINT REPLACEMENT
EJC	EXPANSION JOINT REPLACEMENT (COMPRESSIBLE JOINT)
EJB	EXPANSION JOINT BLOCKOUT REPAIR
EJT	EXPANSION JOINT REPLACEMENT (BOLT-DOWN)
TCA	TRAFFIC DECK COATING APPLICATION
TCR1	TRAFFIC DECK COATING REPLACEMENT (OPTION 1: 4-LAYER SYSTEM)
TCR2	TRAFFIC DECK COATING REPLACEMENT (OPTION 2: TOP COAT ONLY)
SFD	SUPPLEMENTAL FLOOR DRAIN
RFD	REPLACEMENT FLOOR DRAIN
TTS	TEE-TO-TEE SEALANT REPLACEMENT
EJ(B1/B2)	EXPANSION JOINT BLOCKOUT
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
EIH	HAIRLINE EPOXY INJECTION

OVERHEAD REPAIR

COAT	OVERHEAD SURFACE FINE CRACK REPAIR
OSR	OVERHEAD SURFACE REPAIR
OBR	OVERHEAD BEAM REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
HR	HAUNCH REPAIR
WHR	WALL HAUNCH REPAIR
TSR	TEE STEM REPAIR
TBPR	TEE STEM BEARING PAD REPLACEMENT
TSS	TEE STEM STRENGTHENING REPAIR (CFRP)
MPS	METAL PAN STAIR REPAIR

VERTICAL REPAIR

CR	COLUMN REPAIR
VR	VERTICAL REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
VSR	VERTICAL SEALANT REPAIR
CMUC	CMU CRACK
CMUR	CMU REPOINTING
GPR	GROUT POCKET REPAIR
M1	MASONRY BLOCK REPAIR
M2	MASONRY BLOCK REPLACEMENT
M3	MASONRY BLOCK REPOINTING



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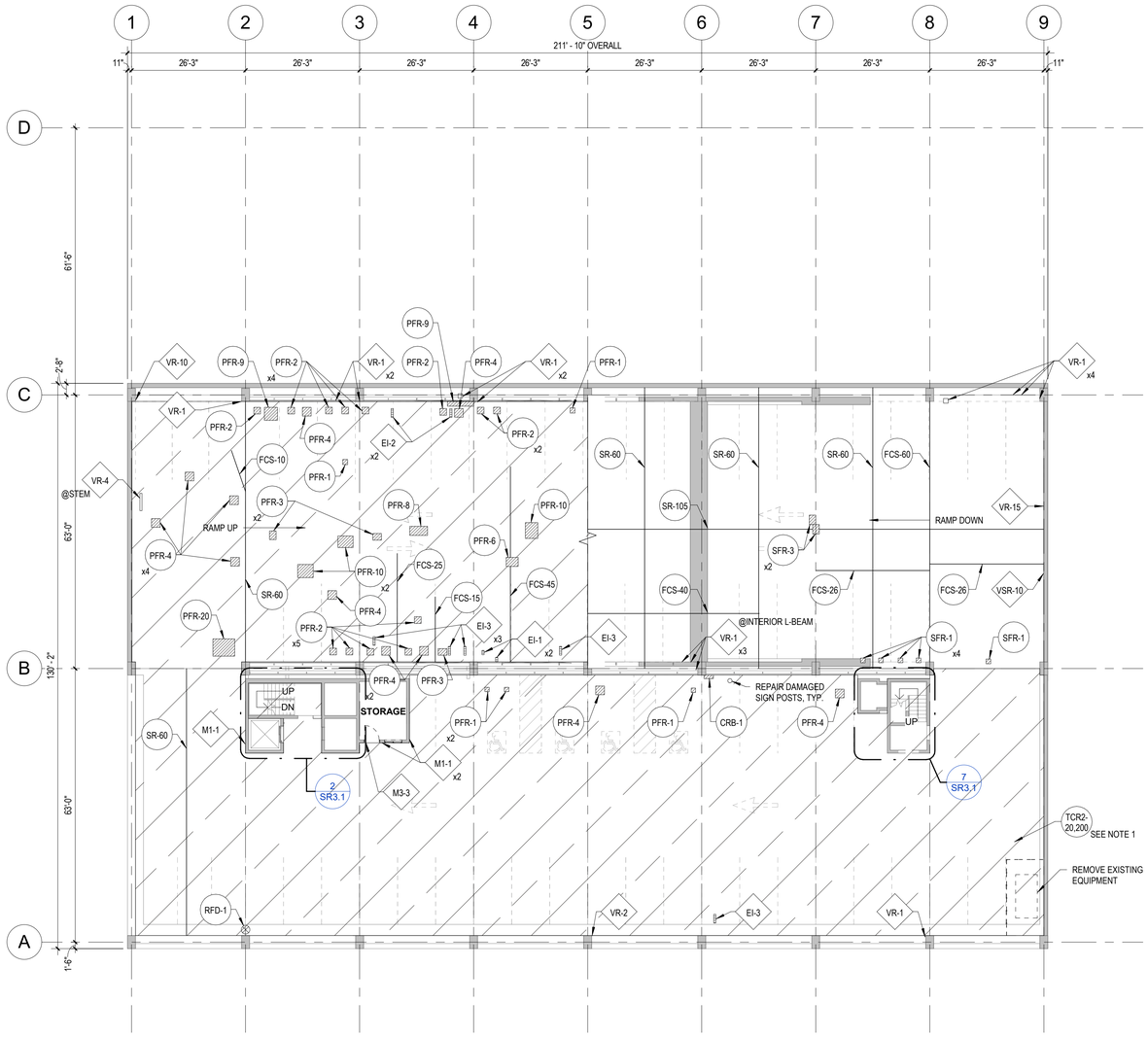
SHEET TITLE:

GROUND TIER STRUCTURAL RESTORATION FLOOR PLAN

SHEET NO.

SR1.1



1 SR1.2 2ND TIER STRUCTURAL RESTORATION FLOOR PLAN
1/16" = 1'-0"

NOTES:
1. REPAIR/REPLACE THE TRAFFIC DECK COATING ON THE ENTIRE SUPPORTED DECK SURFACE AS WELL AS THE STAIR LANDINGS AND STAIRS AS NOTED BELOW:
   A. BASE BID SCOPE – TCR1-22,975 (SF) – REMOVE EXISTING DECK COATING AND APPLY THE FULL SYSTEM OF TRAFFIC DECK MEMBRANE COATING. INCLUDE THE REPLACEMENT OF ALL COVE SEALANT AND JOINT SEALANT BELOW THE EXISTING TRAFFIC DECK COATING: SR = 3060 (LF) (NOT SHOWN ON PLAN)

LEGEND

FLOOR REPAIR

REPAIR TYPE OF REFERENCE — XX-X (#) — # OF LOCATIONS PER REFERENCE; QUANTITY

OVERHEAD REPAIR

REPAIR TYPE OF REFERENCE — XX - X (#) — # OF LOCATIONS PER REFERENCE; QUANTITY

VERTICAL REPAIR

REPAIR TYPE OF REFERENCE — XX-X (#) — # OF LOCATIONS PER REFERENCE; QUANTITY

REPAIR AREAS ON PLAN ARE DEPICTED ON THE FOLLOWING SURFACES:

PLAN: OVERHEAD, VERTICAL, FLOOR

- SHALLOW, PARTIAL, OR FULL DEPTH FLOOR REPAIR OR CURB REPAIR
- OVERHEAD FLOOR REPAIR
- FULL DEPTH FLOOR REPAIR
- CONCRETE OVERLAY REPAIR
- TRAFFIC DECK MEMBRANE APPLICATION OR REPLACEMENT (OPTION 1)
- EPOXY INJECTION CRACK REPAIR AT TEE STEM
- STATIC FLOOR CRACK REPAIR

FLOOR REPAIR

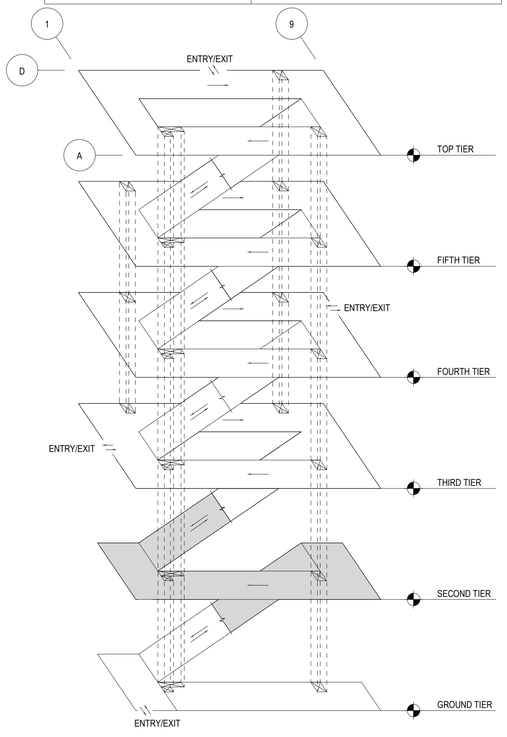
COR	CONCRETE OVERLAY REPAIR
PFR	PARTIAL DEPTH FLOOR REPAIR
SFR	SHALLOW DEPTH FLOOR REPAIR
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
SR	SEALANT REPLACEMENT
FCS	STATIC FLOOR CRACK REPAIR
FCD	DYNAMIC FLOOR CRACK
TTC2	TEE-TO-TEE CONNECTION REPAIR (TOPPED TEE)
TTC3	TEE-TO-TEE CONNECTION REPAIR (REWELD)
TTC4	TEE-TO-TEE CONNECTION REPAIR (EI @ CRACK)
TTC5	TEE-TO-TEE CONNECTION REPAIR (ANGLE CONN.)
TTC6	TEE-TO-TEE CONNECTION REPAIR (CFRP BISCUIT)
EJ	EXPANSION JOINT REPLACEMENT
EJC	EXPANSION JOINT REPLACEMENT (COMPRESSIBLE JOINT)
EJB	EXPANSION JOINT BLOCKOUT REPAIR
EJT	EXPANSION JOINT REPLACEMENT (BOLT-DOWN)
TCA	TRAFFIC DECK COATING APPLICATION
TCR1	TRAFFIC DECK COATING REPLACEMENT (OPTION 1: 4-LAYER SYSTEM)
TCR2	TRAFFIC DECK COATING REPLACEMENT (OPTION 2: TOP COAT ONLY)
SFD	SUPPLEMENTAL FLOOR DRAIN
RFD	REPLACEMENT FLOOR DRAIN
TTS	TEE-TO-TEE SEALANT REPLACEMENT
EJ(B1/B2)	EXPANSION JOINT BLOCKOUT
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
EIH	HAIRLINE EPOXY INJECTION

OVERHEAD REPAIR

COAT	OVERHEAD SURFACE FINE CRACK REPAIR
OSR	OVERHEAD SURFACE REPAIR
OBR	OVERHEAD BEAM REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
HR	HAUNCH REPAIR
WHR	WALL HAUNCH REPAIR
TSR	TEE STEM REPAIR
TBPR	TEE STEM BEARING PAD REPLACEMENT
TSS	TEE STEM STRENGTHENING REPAIR (CFRP)
MPS	METAL PAN STAIR REPAIR

VERTICAL REPAIR

CR	COLUMN REPAIR
VR	VERTICAL REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
VSR	VERTICAL SEALANT REPAIR
CMUC	CMU CRACK
CMUR	CMU REPOINTING
GPR	GROUT POCKET REPAIR
M1	MASONRY BLOCK REPAIR
M2	MASONRY BLOCK REPLACEMENT
M3	MASONRY BLOCK REPOINTING



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BID DOCUMENTS
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NO.	DESCRIPTION	DATE

NORTH

DRAWN: DJK
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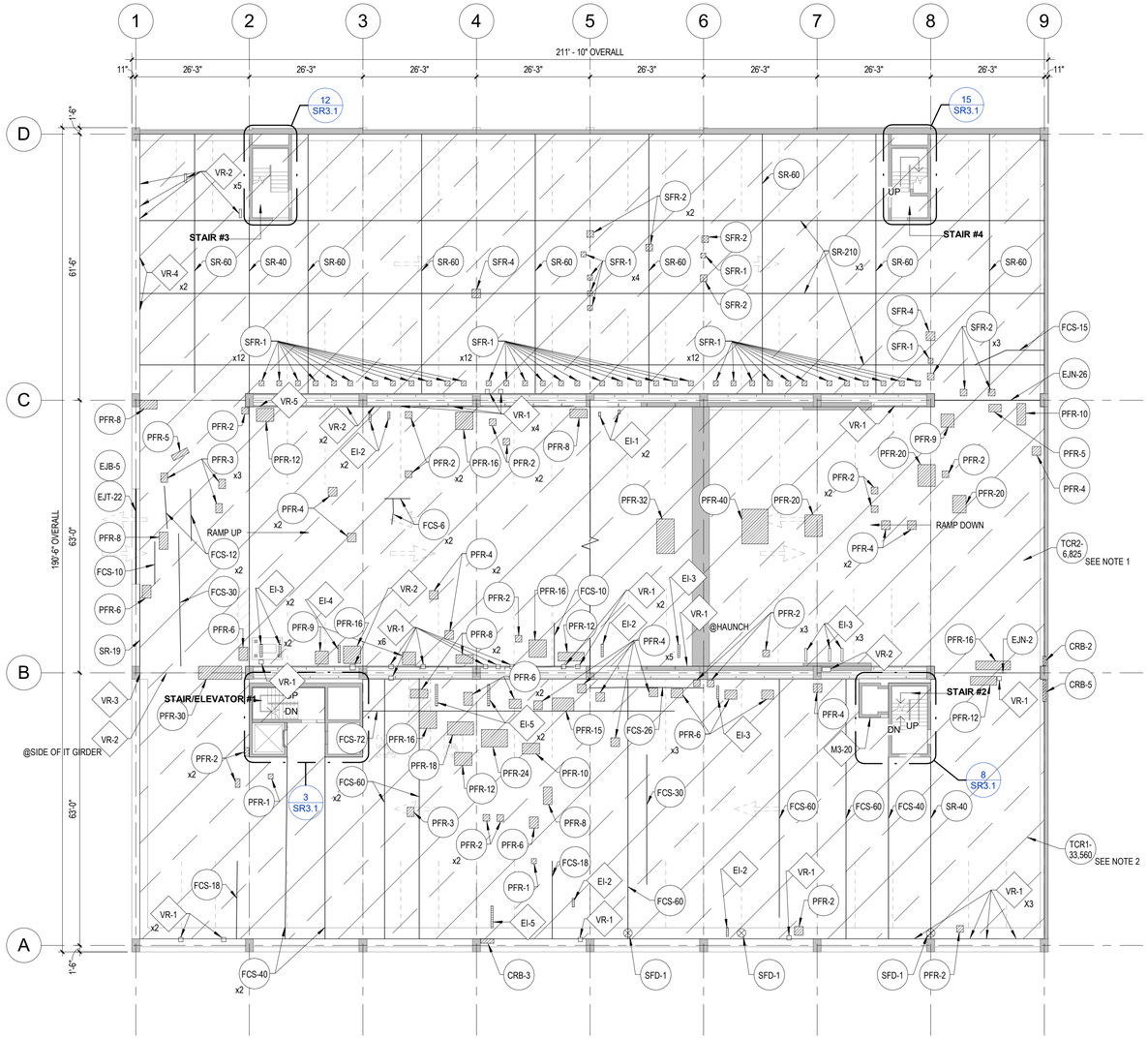
DATE: 04/11/2022

SHEET TITLE:
2ND TIER STRUCTURAL RESTORATION FLOOR PLAN

SHEET NO.
SR1.2



1 SR1.3 3RD TIER STRUCTURAL RESTORATION FLOOR PLAN
1/16" = 1'-0"

NOTES:
1. REPAIR/REPLACE THE TRAFFIC DECK COATING ON THE ENTIRE SUPPORTED DECK SURFACE AS WELL AS THE STAIR LANDINGS AND STAIRS AS NOTED BELOW:
   A. BASE BID SCOPE – TCR1-40,385 (SF) – REMOVE EXISTING DECK COATING AND APPLY THE FULL SYSTEM OF TRAFFIC DECK MEMBRANE COATING. INCLUDE THE REPLACEMENT OF ALL COVE SEALANT AND JOINT SEALANT BELOW THE EXISTING TRAFFIC DECK COATING: SR = 5,561 (LF) (NOT SHOWN ON PLAN)

LEGEND

FLOOR REPAIR

REPAIR TYPE OF REFERENCE — XX-X — # OF LOCATIONS PER REFERENCE (#) — QUANTITY

OVERHEAD REPAIR

REPAIR TYPE OF REFERENCE — XX - X — # OF LOCATIONS PER REFERENCE (#) — QUANTITY

VERTICAL REPAIR

REPAIR TYPE OF REFERENCE — XX-X — # OF LOCATIONS PER REFERENCE (#) — QUANTITY

REPAIR AREAS ON PLAN ARE DEPICTED ON THE FOLLOWING SURFACES:

PLAN — OVERHEAD / VERTICAL / FLOOR

- SHALLOW, PARTIAL, OR FULL DEPTH FLOOR REPAIR OR CURB REPAIR
- OVERHEAD FLOOR REPAIR
- FULL DEPTH FLOOR REPAIR
- CONCRETE OVERLAY REPAIR
- TRAFFIC DECK MEMBRANE APPLICATION OR REPLACEMENT (OPTION 1)
- EPOXY INJECTION CRACK REPAIR AT TEE STEM
- STATIC FLOOR CRACK REPAIR

FLOOR REPAIR

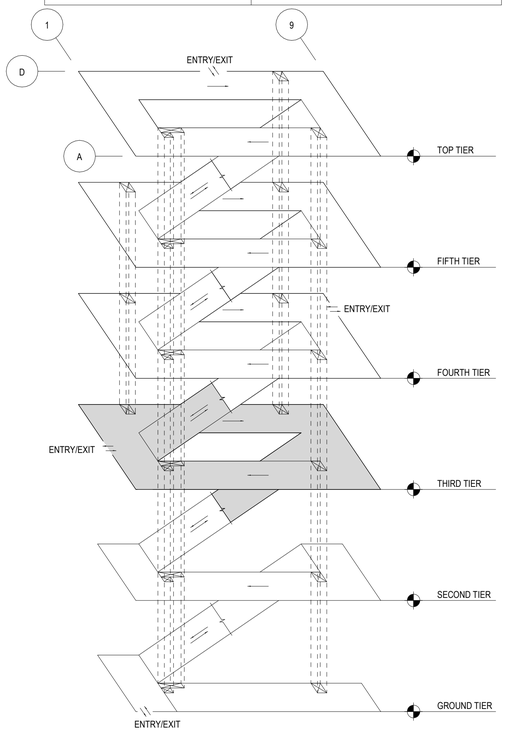
COR	CONCRETE OVERLAY REPAIR
PFR	PARTIAL DEPTH FLOOR REPAIR
SFR	SHALLOW DEPTH FLOOR REPAIR
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
SR	SEALANT REPLACEMENT
FCS	STATIC FLOOR CRACK REPAIR
FCD	DYNAMIC FLOOR CRACK
TTC2	TEE-TO-TEE CONNECTION REPAIR (TOPPED TEE)
TTC3	TEE-TO-TEE CONNECTION REPAIR (REWELD)
TTC4	TEE-TO-TEE CONNECTION REPAIR (EI @ CRACK)
TTC5	TEE-TO-TEE CONNECTION REPAIR (ANGLE CONN.)
TTC6	TEE-TO-TEE CONNECTION REPAIR (CFRP BISCUIT)
EJ	EXPANSION JOINT REPLACEMENT
EJC	EXPANSION JOINT REPLACEMENT (COMPRESSIBLE JOINT)
EJB	EXPANSION JOINT BLOCKOUT REPAIR
EJT	EXPANSION JOINT REPLACEMENT (BOLT-DOWN)
TCA	TRAFFIC DECK COATING APPLICATION
TCR1	TRAFFIC DECK COATING REPLACEMENT (OPTION 1: 4-LAYER SYSTEM)
TCR2	TRAFFIC DECK COATING REPLACEMENT (OPTION 2: TOP COAT ONLY)
SFD	SUPPLEMENTAL FLOOR DRAIN
RFD	REPLACEMENT FLOOR DRAIN
TTS	TEE-TO-TEE SEALANT REPLACEMENT
EJ(B1/B2)	EXPANSION JOINT BLOCKOUT
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
EIH	HAIRLINE EPOXY INJECTION

OVERHEAD REPAIR

COAT	OVERHEAD SURFACE FINE CRACK REPAIR
OSR	OVERHEAD SURFACE REPAIR
OBR	OVERHEAD BEAM REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
HR	HAUNCH REPAIR
WHR	WALL HAUNCH REPAIR
TSR	TEE STEM REPAIR
TBPR	TEE STEM BEARING PAD REPLACEMENT
TSS	TEE STEM STRENGTHENING REPAIR (CFRP)
MPS	METAL PAN STAIR REPAIR

VERTICAL REPAIR

CR	COLUMN REPAIR
VR	VERTICAL REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
VSR	VERTICAL SEALANT REPAIR
CMUC	CMU CRACK
CMUR	CMU REPOINTING
GPR	GROUT POCKET REPAIR
M1	MASONRY BLOCK REPAIR
M2	MASONRY BLOCK REPLACEMENT
M3	MASONRY BLOCK REPOINTING



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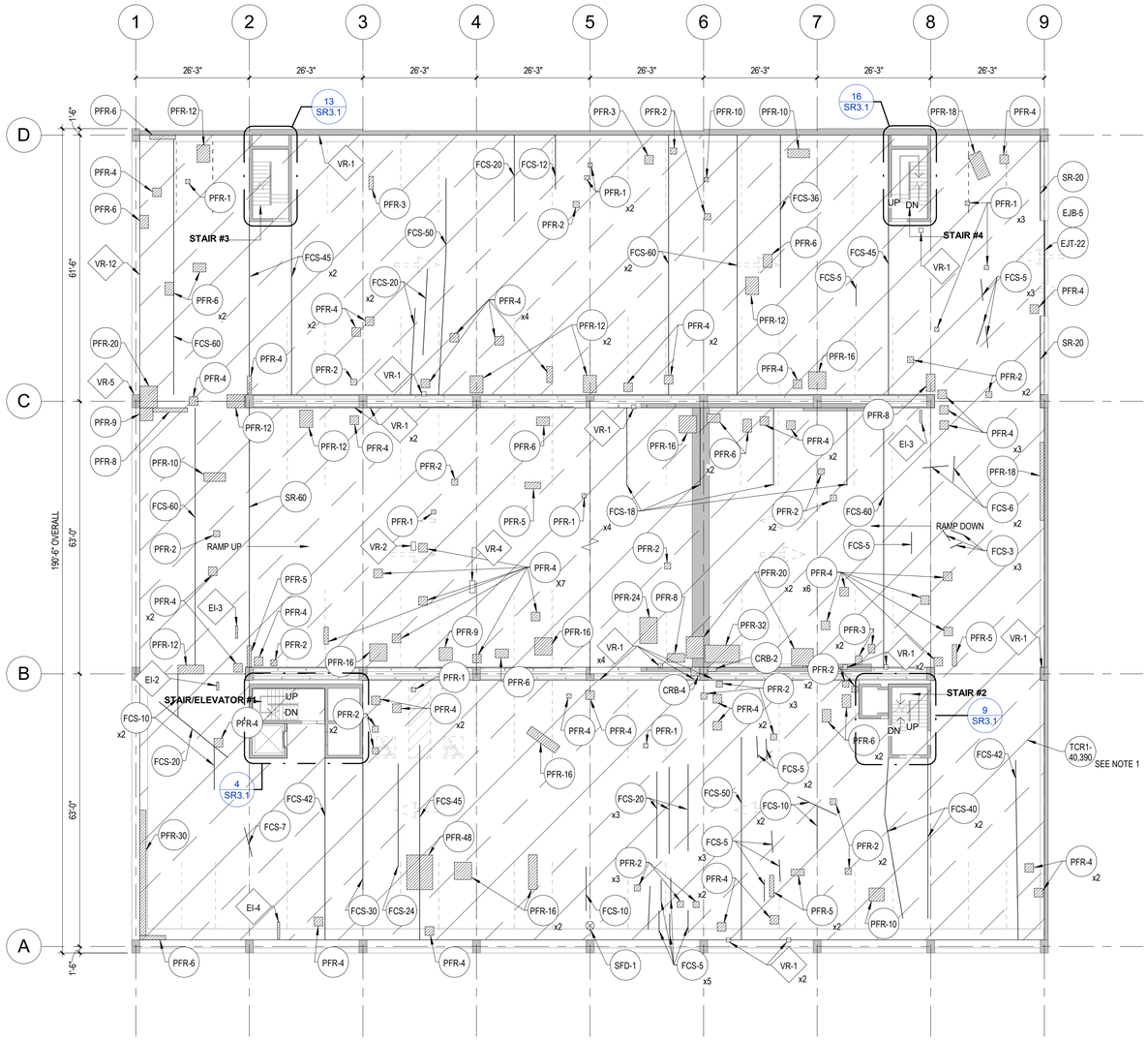
DATE: 04/11/2022

SHEET TITLE:
3RD TIER STRUCTURAL RESTORATION FLOOR PLAN

SHEET NO.
SR1.3



1 SR1.4 4TH TIER STRUCTURAL RESTORATION FLOOR PLAN
1/16" = 1'-0"

NOTES:
1. REPAIR/REPLACE THE TRAFFIC DECK COATING ON THE ENTIRE SUPPORTED DECK SURFACE AS WELL AS THE STAIR LANDINGS AND STAIRS AS NOTED BELOW:
   A. BASE BID SCOPE – TCR1-40,390 (SF) – REMOVE EXISTING DECK COATING AND APPLY THE FULL SYSTEM OF TRAFFIC DECK MEMBRANE COATING. INCLUDE THE REPLACEMENT OF ALL COVE SEALANT AND JOINT SEALANT BELOW THE EXISTING TRAFFIC DECK COATING: SR = 5760 (LF) (NOT SHOWN ON PLAN)

LEGEND

FLOOR REPAIR

REPAIR TYPE OF REFERENCE — XX-X — # OF LOCATIONS PER REFERENCE (#) — QUANTITY

OVERHEAD REPAIR

REPAIR TYPE OF REFERENCE — XX - X — # OF LOCATIONS PER REFERENCE (#) — QUANTITY

VERTICAL REPAIR

REPAIR TYPE OF REFERENCE — XX-X — # OF LOCATIONS PER REFERENCE (#) — QUANTITY

REPAIR AREAS ON PLAN ARE DEPICTED ON THE FOLLOWING SURFACES:

PLAN — OVERHEAD / VERTICAL / FLOOR

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- OVERHEAD FLOOR REPAIR
- FULL DEPTH FLOOR REPAIR
- CONCRETE OVERLAY REPAIR
- TRAFFIC DECK MEMBRANE APPLICATION OR REPLACEMENT (OPTION 1)
- EPOXY INJECTION CRACK REPAIR AT TEE STEM
- STATIC FLOOR CRACK REPAIR

FLOOR REPAIR

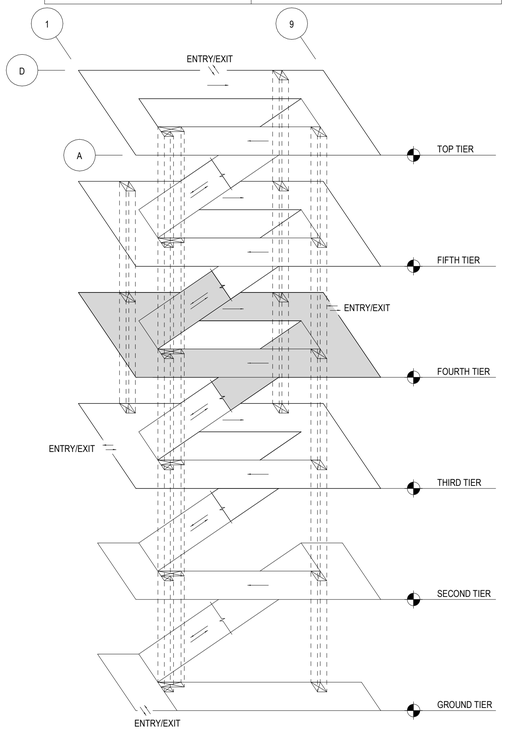
COR	CONCRETE OVERLAY REPAIR
PFR	PARTIAL DEPTH FLOOR REPAIR
SFR	SHALLOW DEPTH FLOOR REPAIR
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
SR	SEALANT REPLACEMENT
FCS	STATIC FLOOR CRACK REPAIR
FCD	DYNAMIC FLOOR CRACK
TTC2	TEE-TO-TEE CONNECTION REPAIR (TOPPED TEE)
TTC3	TEE-TO-TEE CONNECTION REPAIR (REWELD)
TTC4	TEE-TO-TEE CONNECTION REPAIR (EI @ CRACK)
TTC5	TEE-TO-TEE CONNECTION REPAIR (ANGLE CONN.)
TTC6	TEE-TO-TEE CONNECTION REPAIR (CFRP BISCUIT)
EJ	EXPANSION JOINT REPLACEMENT
EJC	EXPANSION JOINT REPLACEMENT (COMPRESSIBLE JOINT)
EJB	EXPANSION JOINT BLOCKOUT REPAIR
EJT	EXPANSION JOINT REPLACEMENT (BOLT-DOWN)
TCA	TRAFFIC DECK COATING APPLICATION
TCR1	TRAFFIC DECK COATING REPLACEMENT (OPTION 1: 4-LAYER SYSTEM)
TCR2	TRAFFIC DECK COATING REPLACEMENT (OPTION 2: TOP COAT ONLY)
SFD	SUPPLEMENTAL FLOOR DRAIN
RFD	REPLACEMENT FLOOR DRAIN
TTS	TEE-TO-TEE SEALANT REPLACEMENT
EJ(B1/B2)	EXPANSION JOINT BLOCKOUT
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
EIH	HAIRLINE EPOXY INJECTION

OVERHEAD REPAIR

COAT	OVERHEAD SURFACE FINE CRACK REPAIR
OSR	OVERHEAD SURFACE REPAIR
OBR	OVERHEAD BEAM REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
HR	HAUNCH REPAIR
WHR	WALL HAUNCH REPAIR
TSR	TEE STEM REPAIR
TBPR	TEE STEM BEARING PAD REPLACEMENT
TSS	TEE STEM STRENGTHENING REPAIR (CFRP)
MPS	METAL PAN STAIR REPAIR

VERTICAL REPAIR

CR	COLUMN REPAIR
VR	VERTICAL REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
VSR	VERTICAL SEALANT REPAIR
CMUC	CMU CRACK
CMUR	CMU REPOINTING
GPR	GROUT POCKET REPAIR
M1	MASONRY BLOCK REPAIR
M2	MASONRY BLOCK REPLACEMENT
M3	MASONRY BLOCK REPOINTING



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SHEET TITLE:
4TH TIER STRUCTURAL RESTORATION FLOOR PLAN

SHEET NO.
SR1.4

1 SR1.5 5TH TIER STRUCTURAL RESTORATION FLOOR PLAN
1/16" = 1'-0"

NOTES:
1. REPAIR/REPLACE THE TRAFFIC DECK COATING ON THE ENTIRE SUPPORTED DECK SURFACE AS WELL AS THE STAIR LANDINGS AND STAIRS AS NOTED BELOW:
   A. BASE BID SCOPE — TCR1-33,560 (SF) — REMOVE EXISTING DECK COATING AND APPLY THE FULL SYSTEM OF TRAFFIC DECK MEMBRANE COATING. INCLUDE THE REPLACEMENT OF ALL COVE SEALANT AND JOINT SEALANT BELOW THE EXISTING TRAFFIC DECK COATING: SR = 5256 (LF) (NOT SHOWN ON PLAN)
2. REMOVE EXISTING STRIPING AT PORTION OF TOP TIER WHERE THE TRAFFIC DECK COATING WILL NOT BE REPLACED GLOBALLY, REFER TO GENERAL NOTE U.1.b.

LEGEND

FLOOR REPAIR

REPAIR TYPE OF REFERENCE — XX-X (#) — # OF LOCATIONS PER REFERENCE; QUANTITY

OVERHEAD REPAIR

REPAIR TYPE OF REFERENCE — XX - X (#) — # OF LOCATIONS PER REFERENCE; QUANTITY

VERTICAL REPAIR

REPAIR TYPE OF REFERENCE — XX-X (#) — # OF LOCATIONS PER REFERENCE; QUANTITY

REPAIR AREAS ON PLAN ARE DEPICTED ON THE FOLLOWING SURFACES:

PLAN — OVERHEAD / VERTICAL / FLOOR

- SHALLOW, PARTIAL, OR FULL DEPTH FLOOR REPAIR OR CURB REPAIR
- OVERHEAD FLOOR REPAIR
- FULL DEPTH FLOOR REPAIR
- CONCRETE OVERLAY REPAIR
- TRAFFIC DECK MEMBRANE APPLICATION OR REPLACEMENT (OPTION 1)
- EPOXY INJECTION CRACK REPAIR AT TEE STEM
- STATIC FLOOR CRACK REPAIR

FLOOR REPAIR

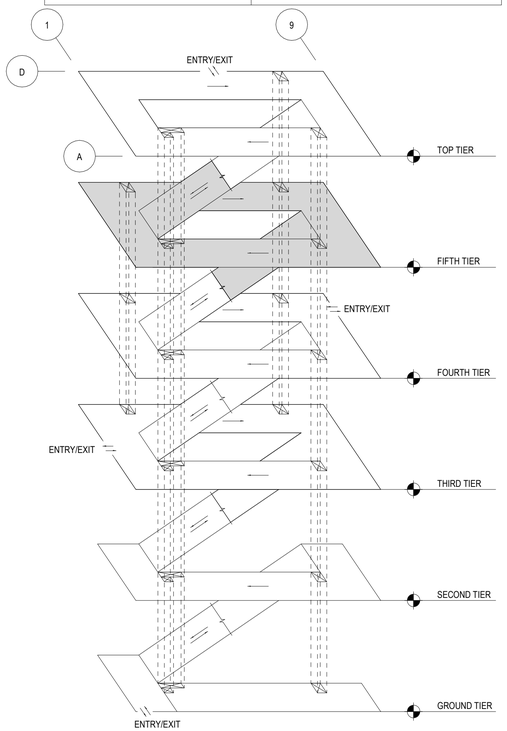
COR	CONCRETE OVERLAY REPAIR
PFR	PARTIAL DEPTH FLOOR REPAIR
SFR	SHALLOW DEPTH FLOOR REPAIR
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
SR	SEALANT REPLACEMENT
FCS	STATIC FLOOR CRACK REPAIR
FCD	DYNAMIC FLOOR CRACK
TTC2	TEE-TO-TEE CONNECTION REPAIR (TOPPED TEE)
TTC3	TEE-TO-TEE CONNECTION REPAIR (REWELD)
TTC4	TEE-TO-TEE CONNECTION REPAIR (EI @ CRACK)
TTC5	TEE-TO-TEE CONNECTION REPAIR (ANGLE CONN.)
TTC6	TEE-TO-TEE CONNECTION REPAIR (CFRP BISCUIT)
EJ	EXPANSION JOINT REPLACEMENT
EJC	EXPANSION JOINT REPLACEMENT (COMPRESSIBLE JOINT)
EJB	EXPANSION JOINT BLOCKOUT REPAIR
EJT	EXPANSION JOINT REPLACEMENT (BOLT-DOWN)
TCA	TRAFFIC DECK COATING APPLICATION
TCR1	TRAFFIC DECK COATING REPLACEMENT (OPTION 1: 4-LAYER SYSTEM)
TCR2	TRAFFIC DECK COATING REPLACEMENT (OPTION 2: TOP COAT ONLY)
SFD	SUPPLEMENTAL FLOOR DRAIN
RFD	REPLACEMENT FLOOR DRAIN
TTS	TEE-TO-TEE SEALANT REPLACEMENT
EJ(B1/B2)	EXPANSION JOINT BLOCKOUT
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
EIH	HAIRLINE EPOXY INJECTION

OVERHEAD REPAIR

COAT	OVERHEAD SURFACE FINE CRACK REPAIR
OSR	OVERHEAD SURFACE REPAIR
OBR	OVERHEAD BEAM REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
HR	HAUNCH REPAIR
WHR	WALL HAUNCH REPAIR
TSR	TEE STEM REPAIR
TBPR	TEE STEM BEARING PAD REPLACEMENT
TSS	TEE STEM STRENGTHENING REPAIR (CFRP)
MPS	METAL PAN STAIR REPAIR

VERTICAL REPAIR

CR	COLUMN REPAIR
VR	VERTICAL REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
VSR	VERTICAL SEALANT REPAIR
CMUC	CMU CRACK
CMUR	CMU REPOINTING
GPR	GROUT POCKET REPAIR
M1	MASONRY BLOCK REPAIR
M2	MASONRY BLOCK REPLACEMENT
M3	MASONRY BLOCK REPOINTING



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PROJECT NO.
NBR20136.01

PROJECT

Yonkers GCG Restoration

PARKING GARAGE

118 New Main St,
Yonkers, NY 10701

SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

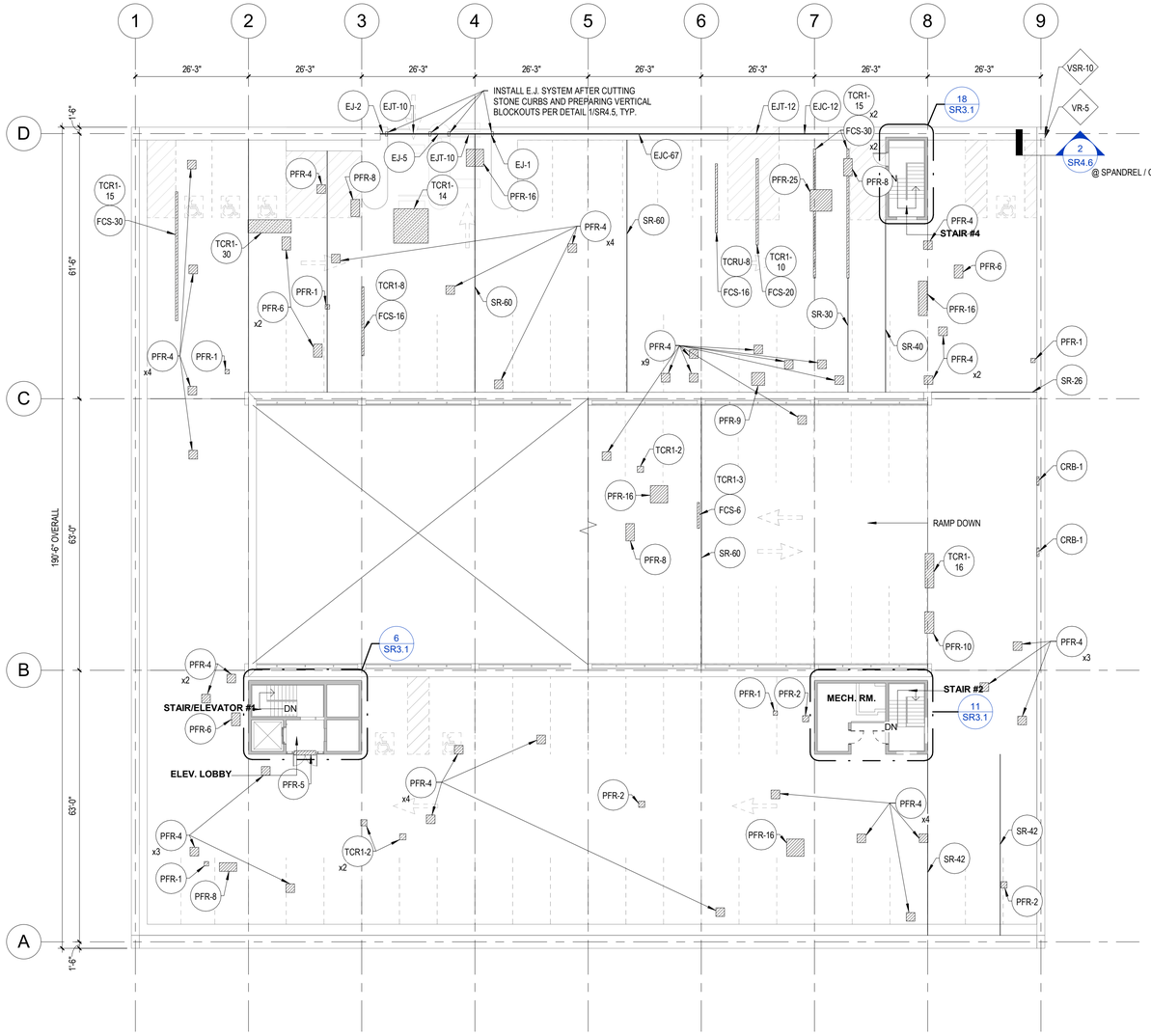
NO.	DESCRIPTION	DATE

NORTH

DRAWN: DJK
REVIEWED: SHH
DATE: 04/11/2022

SHEET TITLE:
5TH TIER STRUCTURAL RESTORATION FLOOR PLAN

SHEET NO.
SR1.5



1 SR1.6 TOP TIER STRUCTURAL RESTORATION FLOOR PLAN
1/16" = 1'-0"

NOTES:
1. ALL PARTIAL DEPTH FLOOR REPAIRS (PFR) ON THIS PLAN TO INCLUDE REPAIR TYPE TRAFFIC DECK COATING APPLICATION (TCA) OF EQUIVALENT SQUARE FOOTAGE AT THE SAME LOCATION.
2. REMOVE EXISTING STRIPING AT TOP TIER WHERE THE TRAFFIC DECK COATING WILL NOT BE REPLACED GLOBALLY, REFER TO GENERAL NOTE U.1.b.

LEGEND

FLOOR REPAIR

REPAIR TYPE OF REFERENCE — XX-X (#) — # OF LOCATIONS PER REFERENCE / QUANTITY

OVERHEAD REPAIR

REPAIR TYPE OF REFERENCE — XX - X (#) — # OF LOCATIONS PER REFERENCE / QUANTITY

VERTICAL REPAIR

REPAIR TYPE OF REFERENCE — XX-X (#) — # OF LOCATIONS PER REFERENCE / QUANTITY

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- OVERHEAD FLOOR REPAIR
- FULL DEPTH FLOOR REPAIR
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- EPOXY INJECTION CRACK REPAIR AT TEE STEM
- STATIC FLOOR CRACK REPAIR

FLOOR REPAIR

COR	CONCRETE OVERLAY REPAIR
PFR	PARTIAL DEPTH FLOOR REPAIR
SFR	SHALLOW DEPTH FLOOR REPAIR
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
SR	SEALANT REPLACEMENT
FCS	STATIC FLOOR CRACK REPAIR
FCD	DYNAMIC FLOOR CRACK
TTC2	TEE-TO-TEE CONNECTION REPAIR (TOPPED TEE)
TTC3	TEE-TO-TEE CONNECTION REPAIR (REWELD)
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TTC5	TEE-TO-TEE CONNECTION REPAIR (ANGLE CONN.)
TTC6	TEE-TO-TEE CONNECTION REPAIR (CFRP BISCUIT)
EJ	EXPANSION JOINT REPLACEMENT
EJC	EXPANSION JOINT REPLACEMENT (COMPRESSIBLE JOINT)
EJB	EXPANSION JOINT BLOCKOUT REPAIR
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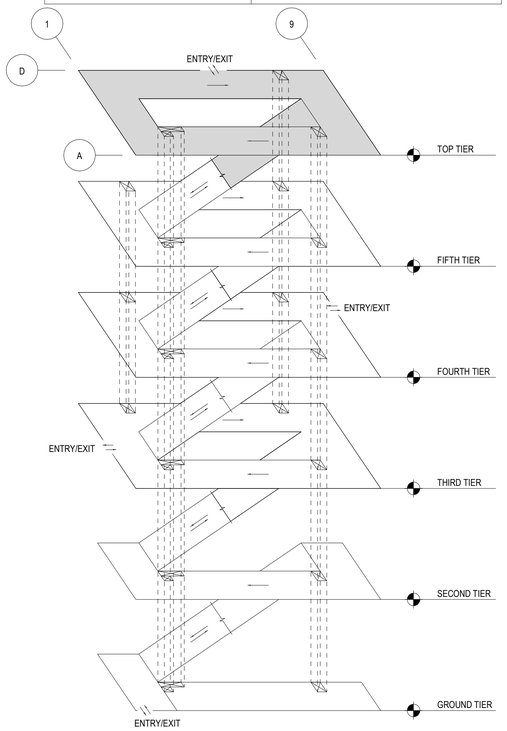
EJ(B1/B2)	EXPANSION JOINT BLOCKOUT
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
EIH	HAIRLINE EPOXY INJECTION

OVERHEAD REPAIR

COAT	OVERHEAD SURFACE FINE CRACK REPAIR
OSR	OVERHEAD SURFACE REPAIR
OBR	OVERHEAD BEAM REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
HR	HAUNCH REPAIR
WHR	WALL HAUNCH REPAIR
TSR	TEE STEM REPAIR
TBPR	TEE STEM BEARING PAD REPLACEMENT
TSS	TEE STEM STRENGTHENING REPAIR (CFRP)
MPS	METAL PAN STAIR REPAIR

VERTICAL REPAIR

CR	COLUMN REPAIR
VR	VERTICAL REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
VSR	VERTICAL SEALANT REPAIR
CMUC	CMU CRACK
CMUR	CMU REPOINTING
GPR	GROUT POCKET REPAIR
M1	MASONRY BLOCK REPAIR
M2	MASONRY BLOCK REPLACEMENT
M3	MASONRY BLOCK REPOINTING



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04/11/2022

NO.	DESCRIPTION	DATE

NORTH

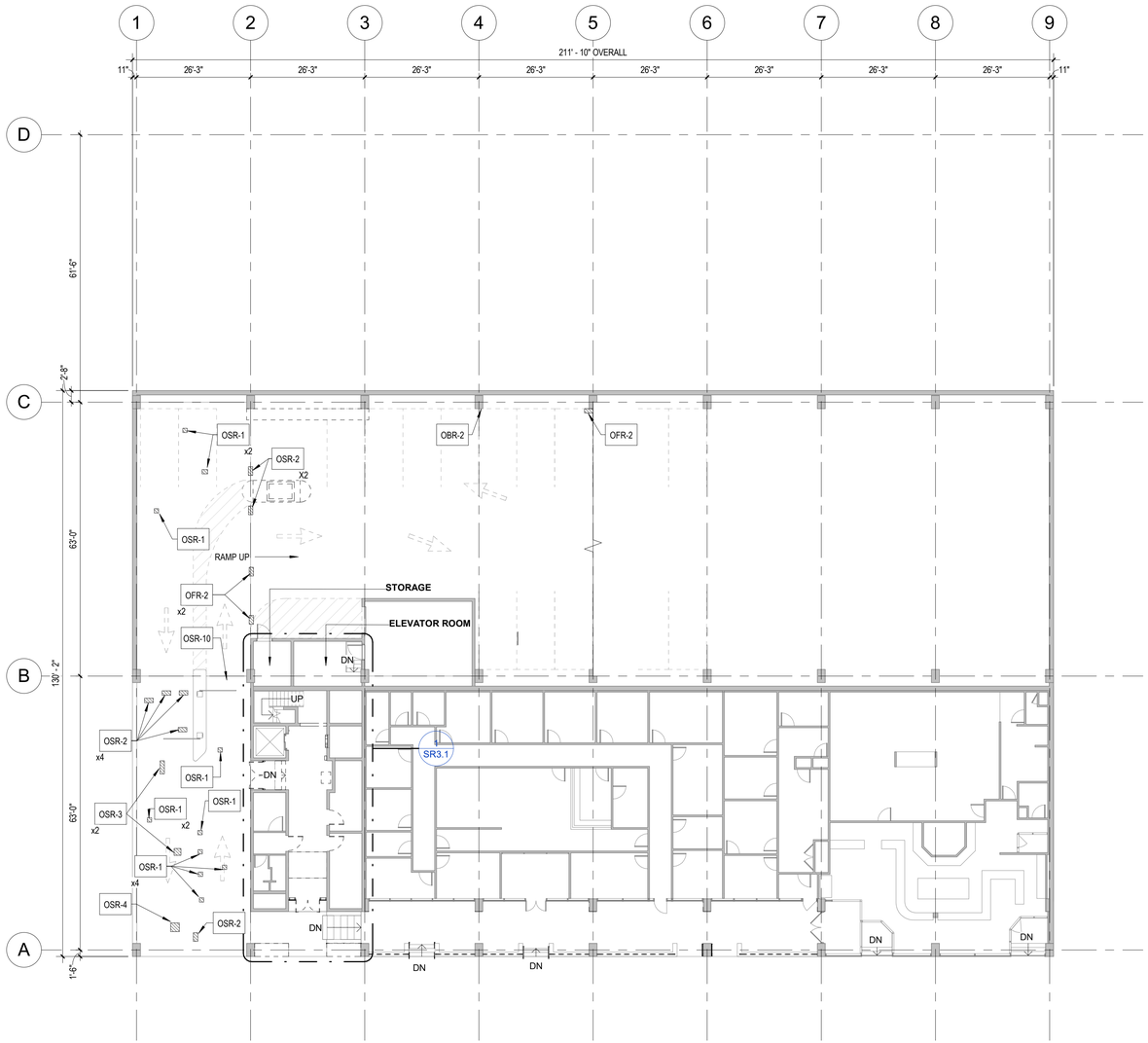
DRAWN: DJK
REVIEWED: SHH
DATE: 04/11/2022

SHEET TITLE:

TOP TIER STRUCTURAL RESTORATION FLOOR PLAN

SHEET NO.

SR1.6



1 SR2.1 GROUND TIER STRUCTURAL RESTORATION OVERHEAD PLAN
1/16" = 1'-0"

LEGEND

FLOOR REPAIR

REPAIR TYPE OF REFERENCE — XX-X — # OF LOCATIONS PER REFERENCE (#) — QUANTITY

OVERHEAD REPAIR

REPAIR TYPE OF REFERENCE — XX - X — # OF LOCATIONS PER REFERENCE (#) — QUANTITY

VERTICAL REPAIR

REPAIR TYPE OF REFERENCE — XX-X — # OF LOCATIONS PER REFERENCE (#) — QUANTITY

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FLOOR REPAIR

COR	CONCRETE OVERLAY REPAIR
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TTC2	TEE-TO-TEE CONNECTION REPAIR (TOPPED TEE)
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FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
EIH	HAIRLINE EPOXY INJECTION

OVERHEAD REPAIR

COAT	OVERHEAD SURFACE FINE CRACK REPAIR
OSR	OVERHEAD SURFACE REPAIR
OBR	OVERHEAD BEAM REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
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WHR	WALL HAUNCH REPAIR
TSR	TEE STEM REPAIR
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MPS	METAL PAN STAIR REPAIR

VERTICAL REPAIR

CR	COLUMN REPAIR
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EIW	WET EPOXY INJECTION
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GPR	GROUT POCKET REPAIR
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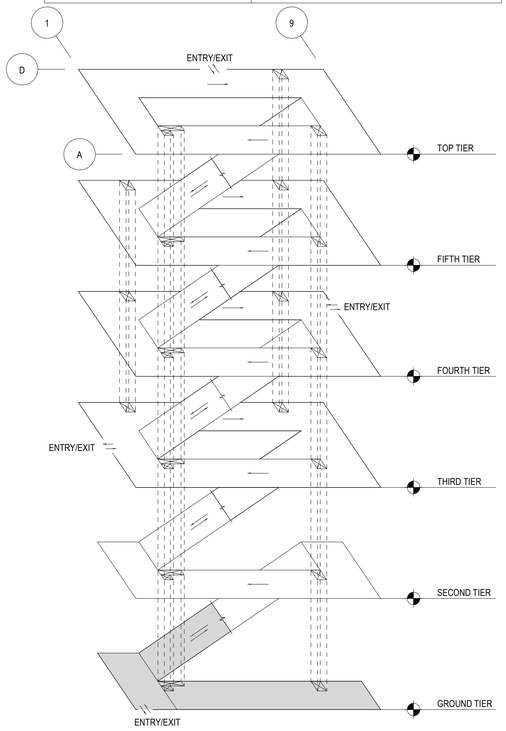
M3	MASONRY BLOCK REPOINTING



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04/11/2022

NO.	DESCRIPTION	DATE

NORTH

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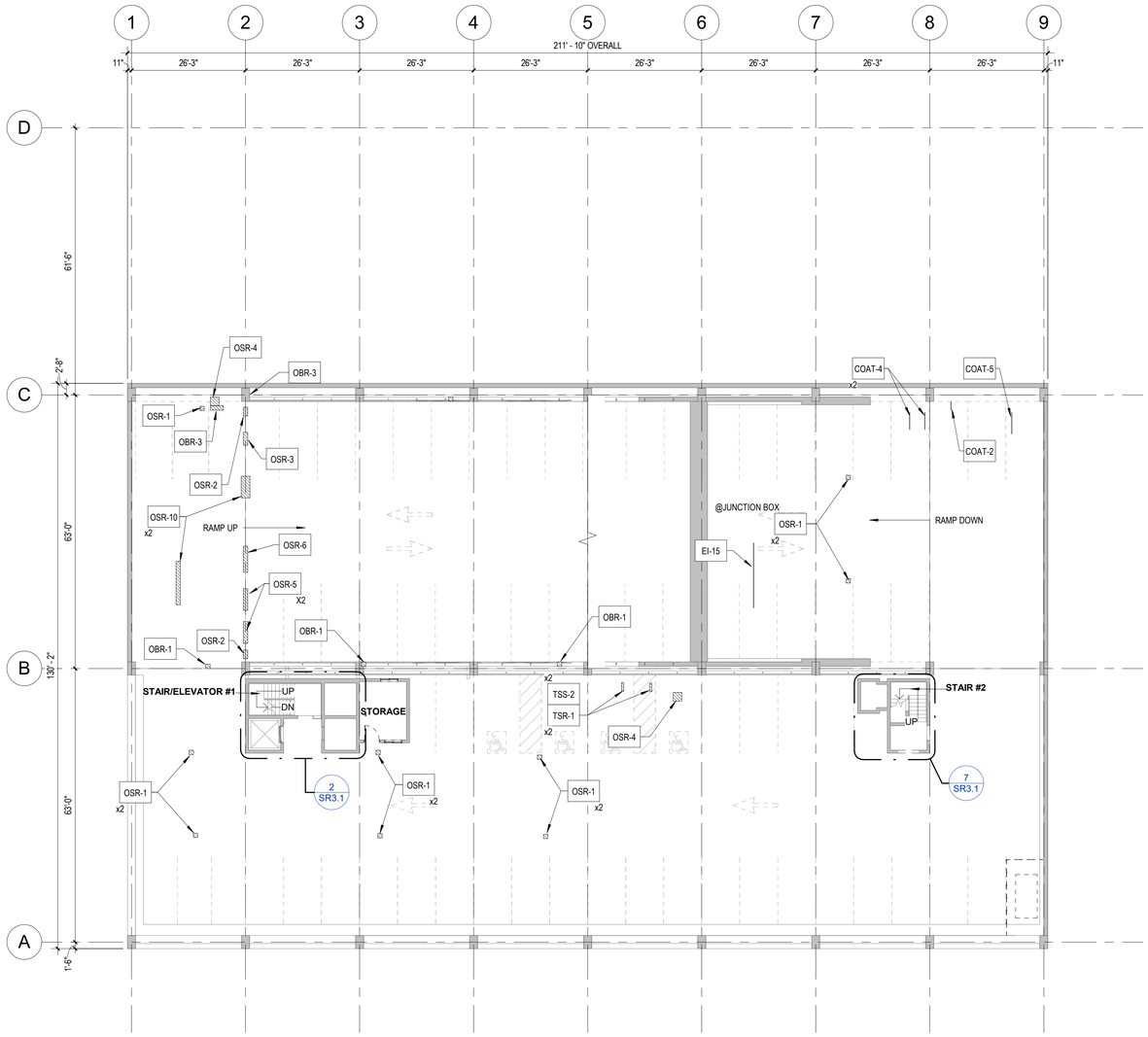
REVIEWED: SHH
DATE: 04/11/2022

SHEET TITLE:
GROUND TIER STRUCTURAL RESTORATION OVERHEAD PLAN

SHEET NO.
SR2.1



1 SR2.2 2ND TIER STRUCTURAL RESTORATION OVERHEAD PLAN
1/16" = 1'-0"

LEGEND

FLOOR REPAIR

REPAIR TYPE OF REFERENCE — XX-X (#) — # OF LOCATIONS PER REFERENCE / QUANTITY

OVERHEAD REPAIR

REPAIR TYPE OF REFERENCE — XX - X (#) — # OF LOCATIONS PER REFERENCE / QUANTITY

VERTICAL REPAIR

REPAIR TYPE OF REFERENCE — XX-X (#) — # OF LOCATIONS PER REFERENCE / QUANTITY

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- STATIC FLOOR CRACK REPAIR

FLOOR REPAIR

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TCR1	TRAFFIC DECK COATING REPLACEMENT (OPTION 1: 4-LAYER SYSTEM)
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CRB	CURB REPAIR
EIH	HAIRLINE EPOXY INJECTION

OVERHEAD REPAIR

COAT	OVERHEAD SURFACE FINE CRACK REPAIR
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VERTICAL REPAIR

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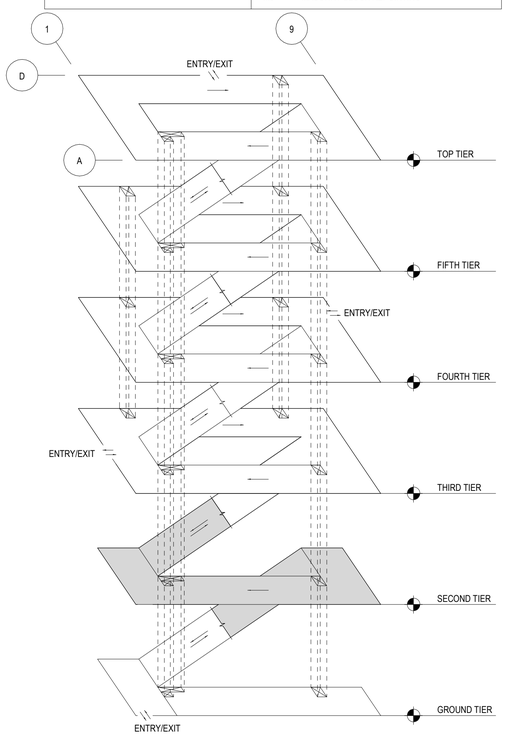

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04/11/2022

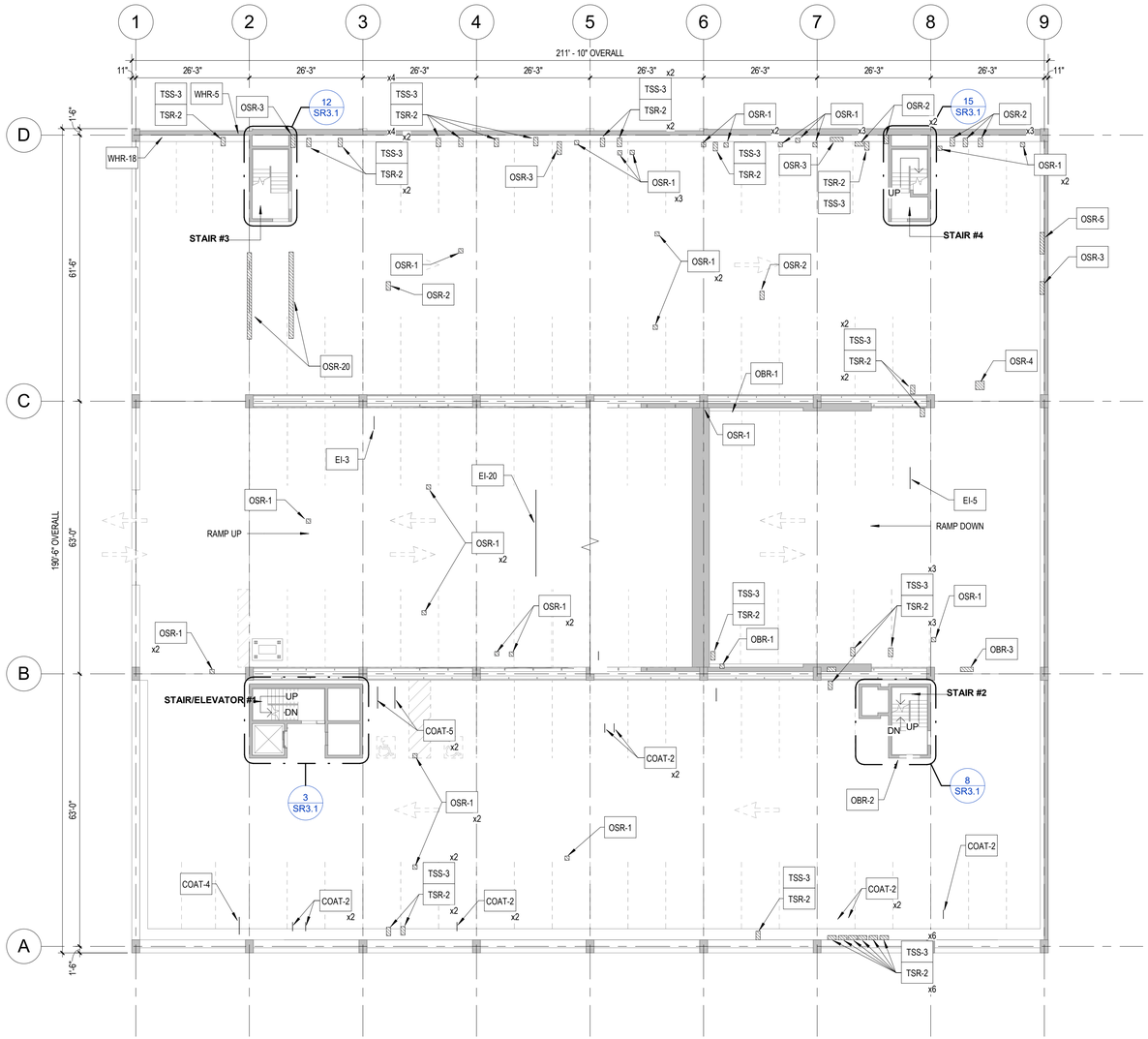
NO.	DESCRIPTION	DATE

NORTH

DRAWN: DJK
REVIEWED: SHH
DATE: 04/11/2022

SHEET TITLE:
2ND TIER STRUCTURAL RESTORATION OVERHEAD PLAN

SHEET NO.
SR2.2



1 SR2.3 3RD TIER STRUCTURAL RESTORATION OVERHEAD PLAN
1/16" = 1'-0"

LEGEND

FLOOR REPAIR

REPAIR TYPE OF REFERENCE — XX-X — # OF LOCATIONS PER REFERENCE (#) — QUANTITY

OVERHEAD REPAIR

REPAIR TYPE OF REFERENCE — XX - X — # OF LOCATIONS PER REFERENCE (#) — QUANTITY

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FLOOR REPAIR

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EJ(B1/B2)	EXPANSION JOINT BLOCKOUT
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
EIH	HAIRLINE EPOXY INJECTION

OVERHEAD REPAIR

COAT	OVERHEAD SURFACE FINE CRACK REPAIR
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WHR	WALL HAUNCH REPAIR
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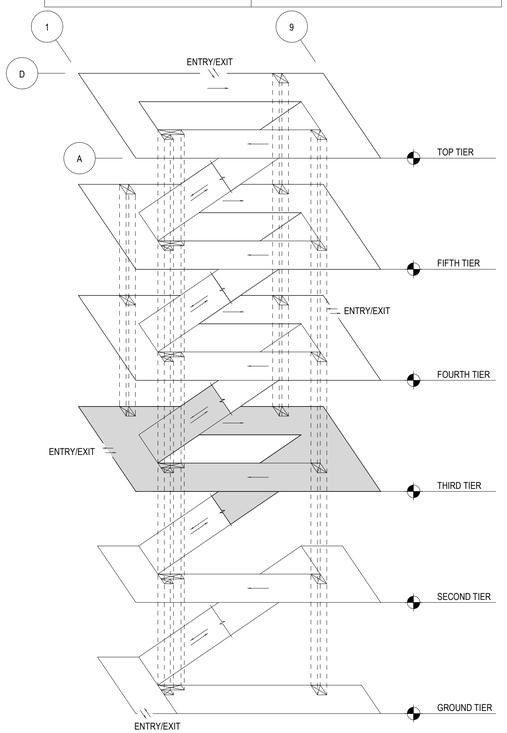
MPS	METAL PAN STAIR REPAIR

VERTICAL REPAIR

CR	COLUMN REPAIR
VR	VERTICAL REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
VSR	VERTICAL SEALANT REPAIR
CMUC	CMU CRACK
CMUR	CMU REPOINTING
GPR	GROUT POCKET REPAIR
M1	MASONRY BLOCK REPAIR
M2	MASONRY BLOCK REPLACEMENT
M3	MASONRY BLOCK REPOINTING



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Yonkers, NY 10701

SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

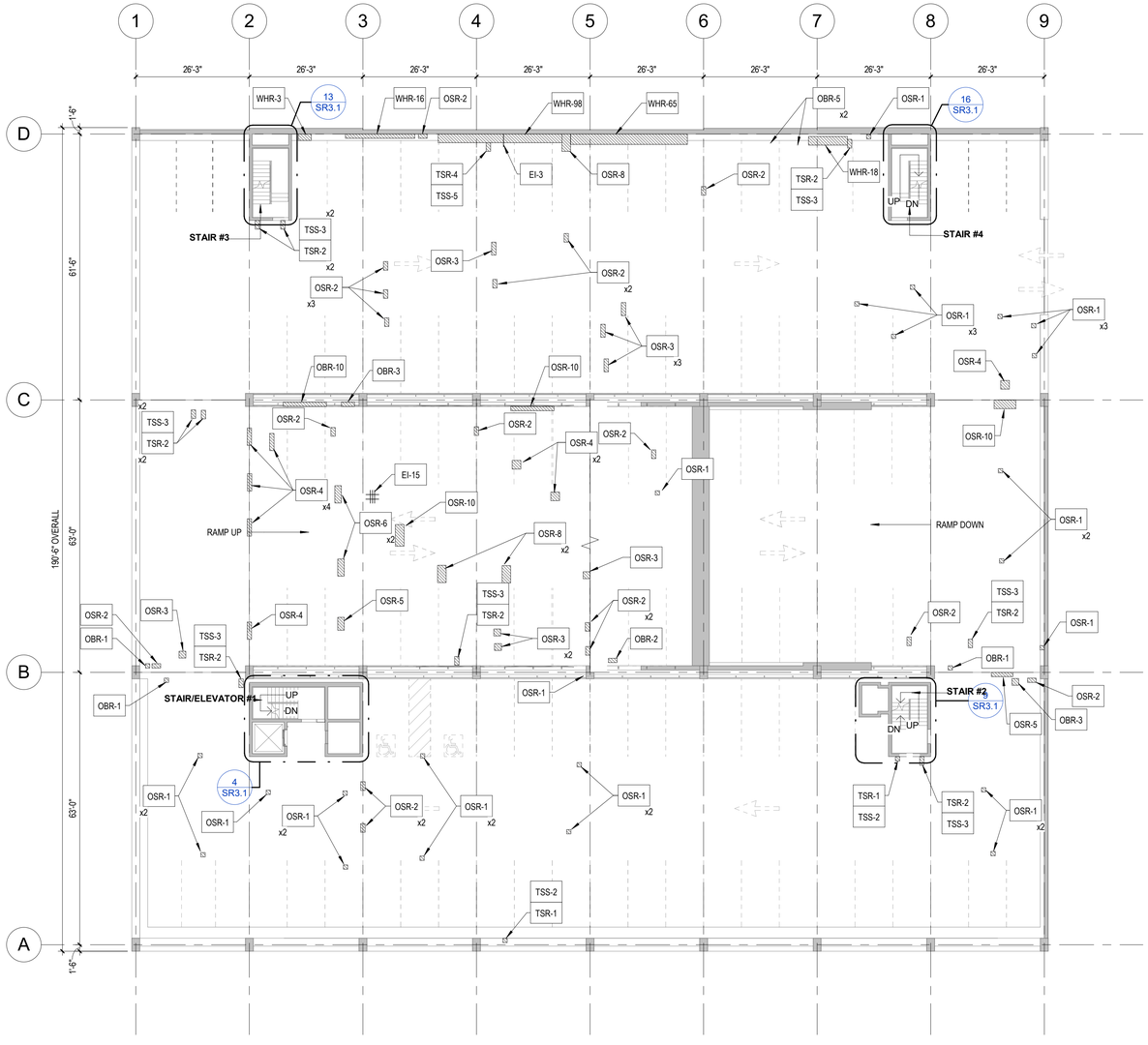
NO.	DESCRIPTION	DATE

NORTH

DRAWN: DJK
REVIEWED: SHH
DATE: 04/11/2022

SHEET TITLE:
3RD TIER STRUCTURAL RESTORATION OVERHEAD PLAN

SHEET NO.
SR2.3



1 SR2.4 4TH TIER STRUCTURAL RESTORATION OVERHEAD PLAN
1/16" = 1'-0"

LEGEND

FLOOR REPAIR

REPAIR TYPE OF REFERENCE — XX-X (#) — # OF LOCATIONS PER REFERENCE; QUANTITY

OVERHEAD REPAIR

REPAIR TYPE OF REFERENCE — XX - X (#) — # OF LOCATIONS PER REFERENCE; QUANTITY

VERTICAL REPAIR

REPAIR TYPE OF REFERENCE — XX-X (#) — # OF LOCATIONS PER REFERENCE; QUANTITY

REPAIR AREAS ON PLAN ARE DEPICTED ON THE FOLLOWING SURFACES:

PLAN — OVERHEAD; VERTICAL; FLOOR

- SHALLOW, PARTIAL, OR FULL DEPTH FLOOR REPAIR OR CURB REPAIR
- OVERHEAD FLOOR REPAIR
- FULL DEPTH FLOOR REPAIR
- CONCRETE OVERLAY REPAIR
- TRAFFIC DECK MEMBRANE APPLICATION OR REPLACEMENT (OPTION 1)
- EPOXY INJECTION CRACK REPAIR AT TEE STEM
- STATIC FLOOR CRACK REPAIR

FLOOR REPAIR

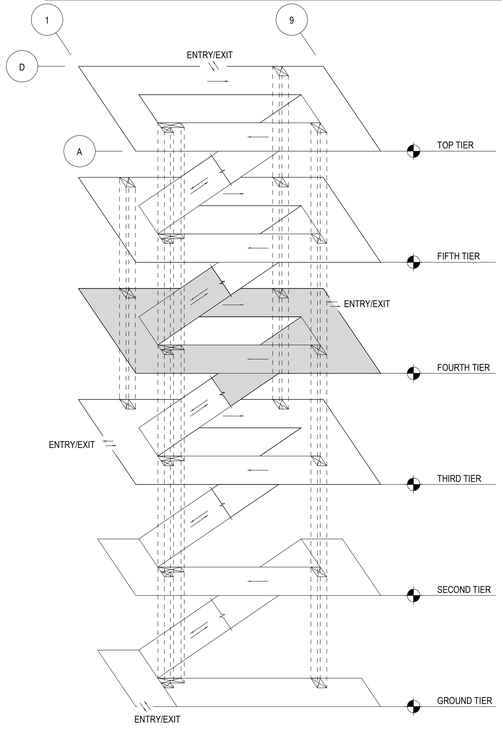
COR	CONCRETE OVERLAY REPAIR
PFR	PARTIAL DEPTH FLOOR REPAIR
SFR	SHALLOW DEPTH FLOOR REPAIR
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
SR	SEALANT REPLACEMENT
FCS	STATIC FLOOR CRACK REPAIR
FCD	DYNAMIC FLOOR CRACK
TTC2	TEE-TO-TEE CONNECTION REPAIR (TOPPED TEE)
TTC3	TEE-TO-TEE CONNECTION REPAIR (REWELD)
TTC4	TEE-TO-TEE CONNECTION REPAIR (EI @ CRACK)
TTC5	TEE-TO-TEE CONNECTION REPAIR (ANGLE CONN.)
TTC6	TEE-TO-TEE CONNECTION REPAIR (CFRP BISCUIT)
EJ	EXPANSION JOINT REPLACEMENT
EJC	EXPANSION JOINT REPLACEMENT (COMPRESSIBLE JOINT)
EJB	EXPANSION JOINT BLOCKOUT REPAIR
EJT	EXPANSION JOINT REPLACEMENT (BOLT-DOWN)
TCA	TRAFFIC DECK COATING APPLICATION
TCR1	TRAFFIC DECK COATING REPLACEMENT (OPTION 1: 4-LAYER SYSTEM)
TCR2	TRAFFIC DECK COATING REPLACEMENT (OPTION 2: TOP COAT ONLY)
SFD	SUPPLEMENTAL FLOOR DRAIN
RFD	REPLACEMENT FLOOR DRAIN
TTS	TEE-TO-TEE SEALANT REPLACEMENT
EJ(B1/B2)	EXPANSION JOINT BLOCKOUT
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
EIH	HAIRLINE EPOXY INJECTION

OVERHEAD REPAIR

COAT	OVERHEAD SURFACE FINE CRACK REPAIR
OSR	OVERHEAD SURFACE REPAIR
OBR	OVERHEAD BEAM REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
HR	HAUNCH REPAIR
WHR	WALL HAUNCH REPAIR
TSR	TEE STEM REPAIR
TBPR	TEE STEM BEARING PAD REPLACEMENT
TSS	TEE STEM STRENGTHENING REPAIR (CFRP)
MPS	METAL PAN STAIR REPAIR

VERTICAL REPAIR

CR	COLUMN REPAIR
VR	VERTICAL REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
VSR	VERTICAL SEALANT REPAIR
CMUC	CMU CRACK
CMUR	CMU REPOINTING
GPR	GROUT POCKET REPAIR
M1	MASONRY BLOCK REPAIR
M2	MASONRY BLOCK REPLACEMENT
M3	MASONRY BLOCK REPOINTING



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PROJECT NO.
NBR20136.01

PROJECT

Yonkers GCG Restoration

PARKING GARAGE

118 New Main St,
Yonkers, NY 10701

SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

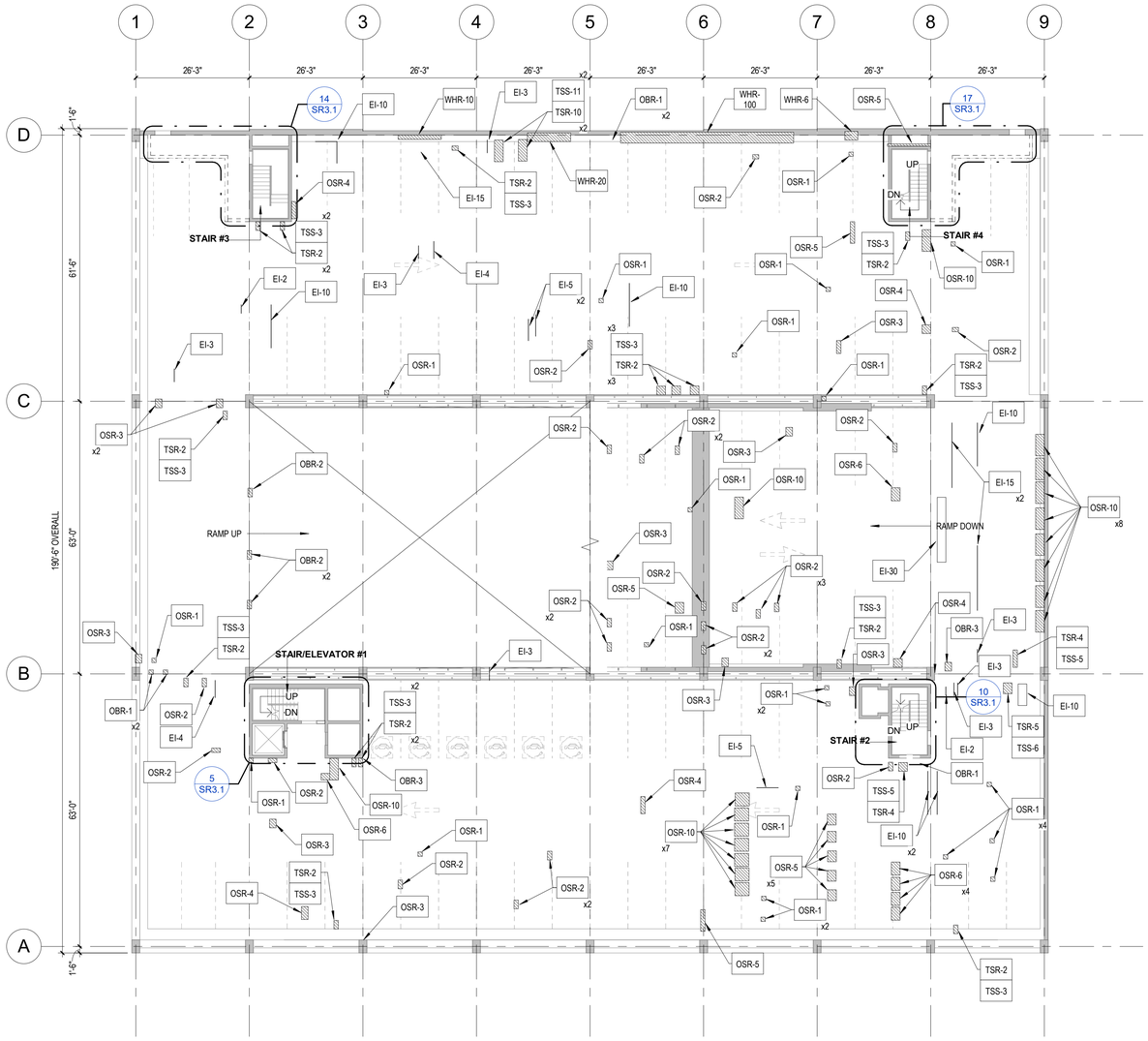
NO.	DESCRIPTION	DATE

NORTH

DRAWN: DJK
REVIEWED: SHH
DATE: 04/11/2022

SHEET TITLE:
4TH TIER STRUCTURAL RESTORATION OVERHEAD PLAN

SHEET NO.
SR2.4



1 SR2.5 5TH TIER STRUCTURAL RESTORATION OVERHEAD PLAN
1/16" = 1'-0"

LEGEND

FLOOR REPAIR

REPAIR TYPE OF REFERENCE — XX-X (#) — # OF LOCATIONS PER REFERENCE / QUANTITY

OVERHEAD REPAIR

REPAIR TYPE OF REFERENCE — XX - X (#) — # OF LOCATIONS PER REFERENCE / QUANTITY

VERTICAL REPAIR

REPAIR TYPE OF REFERENCE — XX-X (#) — # OF LOCATIONS PER REFERENCE / QUANTITY

REPAIR AREAS ON PLAN ARE DEPICTED ON THE FOLLOWING SURFACES:

PLAN — OVERHEAD / VERTICAL / FLOOR

- SHALLOW, PARTIAL, OR FULL DEPTH FLOOR REPAIR OR CURB REPAIR
- OVERHEAD FLOOR REPAIR
- FULL DEPTH FLOOR REPAIR
- CONCRETE OVERLAY REPAIR
- TRAFFIC DECK MEMBRANE APPLICATION OR REPLACEMENT (OPTION 1)
- EPOXY INJECTION CRACK REPAIR AT TEE STEM
- STATIC FLOOR CRACK REPAIR

FLOOR REPAIR

COR	CONCRETE OVERLAY REPAIR
PFR	PARTIAL DEPTH FLOOR REPAIR
SFR	SHALLOW DEPTH FLOOR REPAIR
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
SR	SEALANT REPLACEMENT
FCS	STATIC FLOOR CRACK REPAIR
FCD	DYNAMIC FLOOR CRACK
TTC2	TEE-TO-TEE CONNECTION REPAIR (TOPPED TEE)
TTC3	TEE-TO-TEE CONNECTION REPAIR (REWELD)
TTC4	TEE-TO-TEE CONNECTION REPAIR (EI @ CRACK)
TTC5	TEE-TO-TEE CONNECTION REPAIR (ANGLE CONN.)
TTC6	TEE-TO-TEE CONNECTION REPAIR (CFRP BISCUIT)
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EJC	EXPANSION JOINT REPLACEMENT (COMPRESSIBLE JOINT)
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TCR1	TRAFFIC DECK COATING REPLACEMENT (OPTION 1: 4-LAYER SYSTEM)
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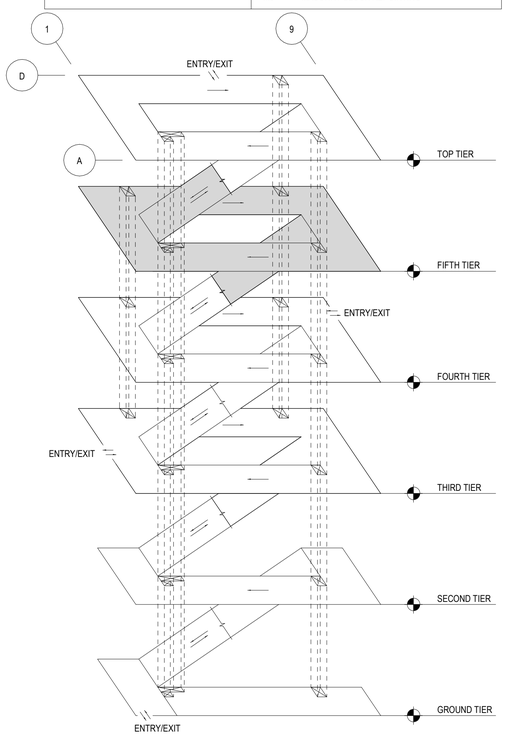
SFD	SUPPLEMENTAL FLOOR DRAIN
RFD	REPLACEMENT FLOOR DRAIN
TTS	TEE-TO-TEE SEALANT REPLACEMENT
EJ(B1/B2)	EXPANSION JOINT BLOCKOUT
FFR	FULL DEPTH FLOOR REPAIR
CRB	CURB REPAIR
EIH	HAIRLINE EPOXY INJECTION

OVERHEAD REPAIR

COAT	OVERHEAD SURFACE FINE CRACK REPAIR
OSR	OVERHEAD SURFACE REPAIR
OBR	OVERHEAD BEAM REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
HR	HAUNCH REPAIR
WHR	WALL HAUNCH REPAIR
TSR	TEE STEM REPAIR
TBPR	TEE STEM BEARING PAD REPLACEMENT
TSS	TEE STEM STRENGTHENING REPAIR (CFRP)
MPS	METAL PAN STAIR REPAIR

VERTICAL REPAIR

CR	COLUMN REPAIR
VR	VERTICAL REPAIR
EI	EPOXY INJECTION
EIW	WET EPOXY INJECTION
VSR	VERTICAL SEALANT REPAIR
CMUC	CMU CRACK
CMUR	CMU REPOINTING
GPR	GROUT POCKET REPAIR
M1	MASONRY BLOCK REPAIR
M2	MASONRY BLOCK REPLACEMENT
M3	MASONRY BLOCK REPOINTING



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NORTH

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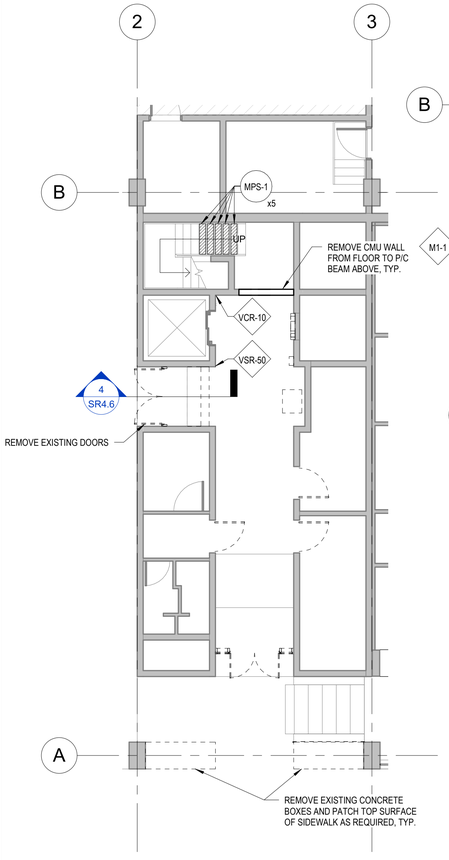
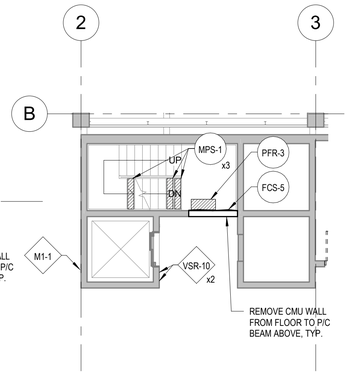
REVIEWED: SHH
DATE: 04/11/2022

SHEET TITLE:
5TH TIER STRUCTURAL RESTORATION OVERHEAD PLAN

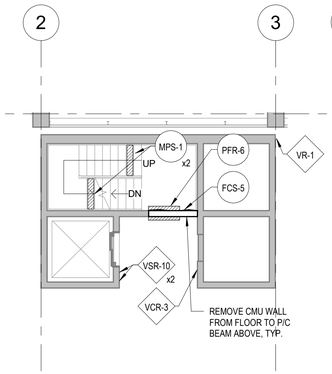
SHEET NO.
SR2.5



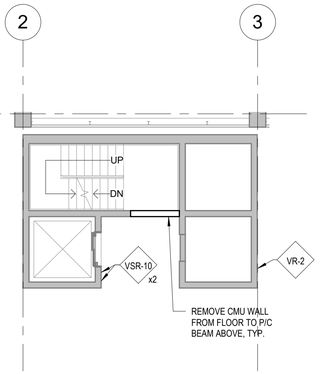
1 SR3.1 GROUND TIER ENLARGED STAIR #1 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"



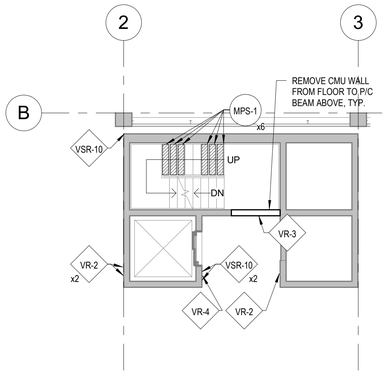
2 SR3.1 2ND TIER ENLARGED STAIR #1 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"



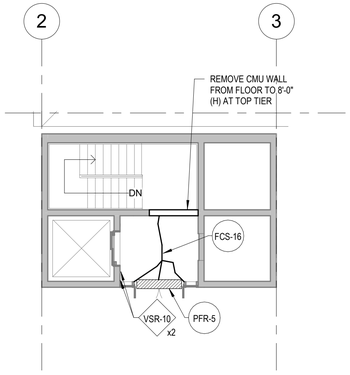
3 SR3.1 3RD TIER ENLARGED STAIR #1 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"



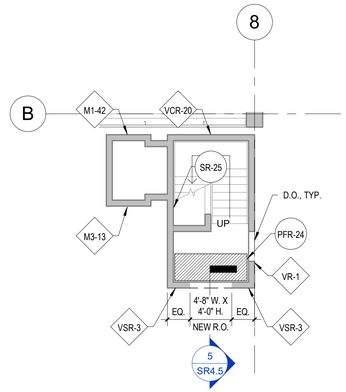
4 SR3.1 4TH TIER ENLARGED STAIR #1 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"



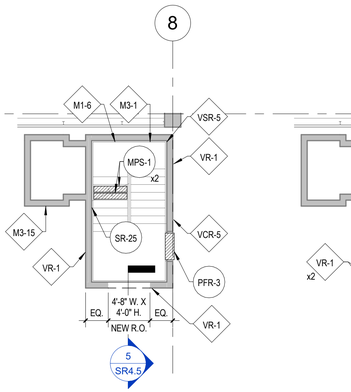
5 SR3.1 5TH TIER ENLARGED STAIR #1 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"



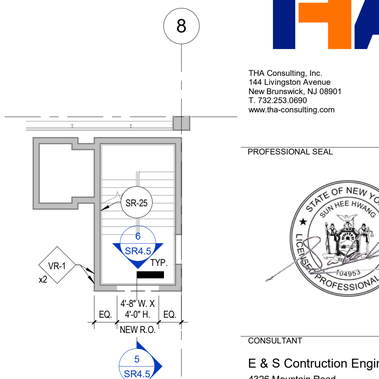
6 SR3.1 TOP TIER ENLARGED STAIR #1 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"



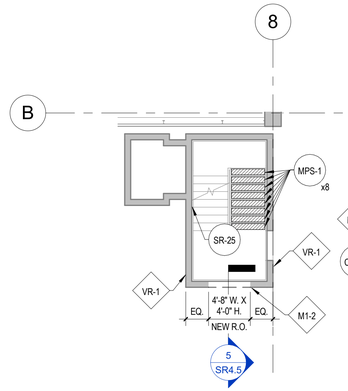
7 SR3.1 2ND TIER ENLARGED STAIR #2 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"



8 SR3.1 3RD TIER ENLARGED STAIR #2 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"

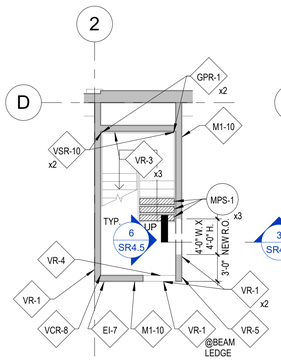


9 SR3.1 4TH TIER ENLARGED STAIR #2 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"

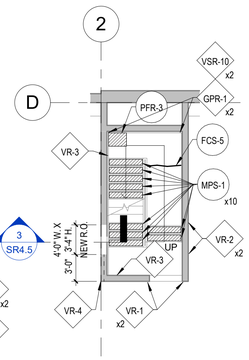


10 SR3.1 5TH TIER ENLARGED STAIR #2 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"

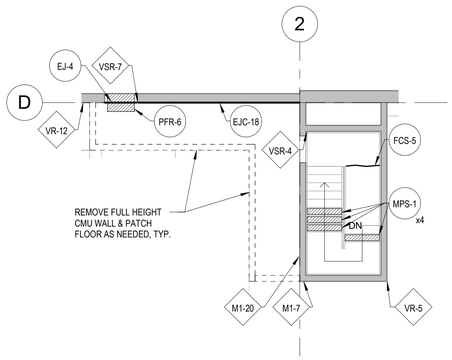
11 SR3.1 TOP TIER ENLARGED STAIR #2 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"



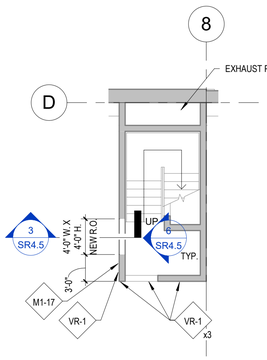
12 SR3.1 3RD TIER ENLARGED STAIR #3 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"



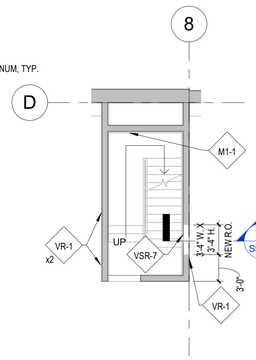
13 SR3.1 4TH TIER ENLARGED STAIR #3 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"



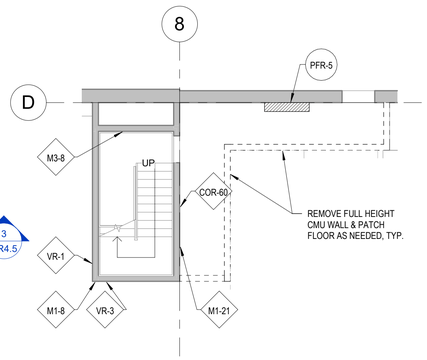
14 SR3.1 5TH TIER ENLARGED STAIR #3 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"



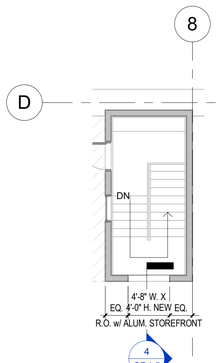
15 SR3.1 3RD TIER ENLARGED STAIR #4 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"



16 SR3.1 4TH TIER ENLARGED STAIR #4 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"



17 SR3.1 5TH TIER ENLARGED STAIR #4 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"



18 SR3.1 TOP TIER ENLARGED STAIR #4 STRUCTURAL RESTORATION PLAN
1/8" = 1'-0"

NORTH

PLAN: OVERHEAD, VERTICAL, FLOOR

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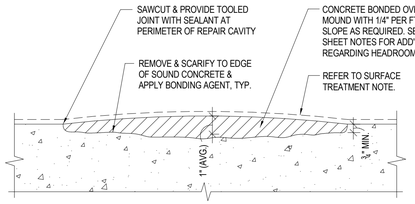
NO.	DESCRIPTION	DATE

DRAWN: DJK
REVIEWED: SHH
DATE: 04/11/2022

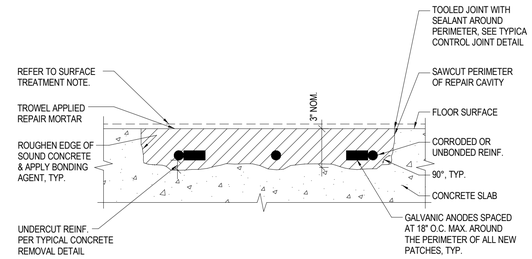
SHEET TITLE:
ENLARGED STAIR TOWER STRUCTURAL RESTORATION PLANS

SHEET NO.
SR3.1



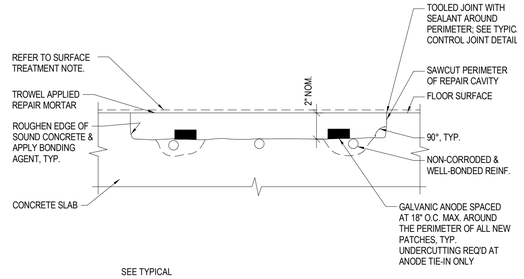
REPAIR PROCEDURE:
1. SEE REPAIR DETAIL GENERAL NOTES FOR TYPICAL CONCRETE REPAIR PROCEDURES.
2. REMOVE DELAMINATED CONCRETE TO SOUND CONCRETE AS REQUIRED.
3. APPLY APPROVED CONCRETE OVERLAY MATERIALS OVER PREPARED SURFACE IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS AND RECOMMENDED PROCEDURES.
4. SURFACE TREATMENT NOTE: PENETRATING SEALER, PENETRATING CORROSION INHIBITING TREATMENT, TRAFFIC DECK COATING AND/OR OTHER SURFACE TREATMENT AS INDICATED ON THE DRAWINGS. IF SURFACE TREATMENT IS NOT INDICATED, APPLY PENETRATING SEALER TO THE REPAIR AND EXTEND 6" MIN. BEYOND PERIMETER OF REPAIR. THE PENETRATING SEALER SHALL BE INCLUDED IN THE UNIT COST OF THE CONCRETE REPAIR; ALL OTHER SURFACE TREATMENTS SHALL BE EXCLUDED FROM THE UNIT COST.

1 SR4.1 REPAIR TYPE COR – CONCRETE OVERLAY REPAIR DETAIL
1" = 1'-0"



REPAIR PROCEDURE:
1. SEE REPAIR DETAIL GENERAL NOTES FOR TYPICAL CONCRETE REPAIR PROCEDURES.
2. INSTALL GALVANIC ANODES AT THE PERIMETER OF ALL REPAIR PATCHES PER MANUFACTURER'S RECOMMENDATIONS. VERIFY CONTINUITY & PROVIDE ADEQUATE CONCRETE COVER FOR GALVANIC ANODES. ANODES ARE NOT INCLUDED IN THE UNIT PRICE.
3. SURFACE TREATMENT NOTE: PENETRATING SEALER, PENETRATING CORROSION INHIBITING TREATMENT, TRAFFIC DECK COATING, AND/OR OTHER SURFACE TREATMENT AS INDICATED ON THE DRAWINGS. IF SURFACE TREATMENT IS NOT INDICATED, APPLY PENETRATING SEALER TO THE REPAIR AND EXTEND 6" MIN. BEYOND PERIMETER OF REPAIR. THE PENETRATING SEALER SHALL BE INCLUDED IN THE UNIT COST OF THE CONCRETE REPAIR; ALL OTHER SURFACE TREATMENTS SHALL BE EXCLUDED FROM THE UNIT COST.
4. INCLUDE COSTS OF SEALANTS AT CAVITY PERIMETER/CONTROL JOINTS AND SURFACE TREATMENT (SEE NOTE 3) IN THE UNIT COST. SEE TYPICAL CONTROL JOINT DETAIL FOR JOINT SPACING.

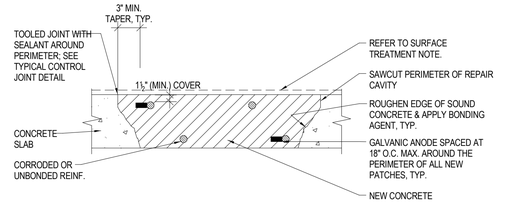
2 SR4.1 REPAIR TYPE PFR – PARTIAL-DEPTH FLOOR REPAIR DETAIL
1" = 1'-0"



SEE TYPICAL

REPAIR PROCEDURE:
1. SEE REPAIR DETAIL GENERAL NOTES FOR TYPICAL CONCRETE REPAIR PROCEDURES.
2. INSTALL GALVANIC ANODES AT THE PERIMETER OF ALL REPAIR PATCHES PER MANUFACTURER'S RECOMMENDATIONS. VERIFY CONTINUITY AND PROVIDE ADEQUATE CONCRETE COVER FOR GALVANIC ANODES. ANODES ARE NOT INCLUDED IN THE UNIT PRICE.
3. TO BE USED IN LIEU OF REPAIR TYPE PFR BASED ON FIELD CONDITIONS.
4. SURFACE TREATMENT NOTE: PENETRATING SEALER, PENETRATING CORROSION INHIBITING TREATMENT, TRAFFIC DECK COATING, AND/OR OTHER SURFACE TREATMENT AS INDICATED ON THE DRAWINGS. IF SURFACE TREATMENT IS NOT INDICATED, APPLY PENETRATING SEALER TO THE REPAIR AND EXTEND 6" MIN. BEYOND PERIMETER OF REPAIR. THE PENETRATING SEALER SHALL BE INCLUDED IN THE UNIT COST OF THE CONCRETE REPAIR; ALL OTHER SURFACE TREATMENTS SHALL BE EXCLUDED FROM THE UNIT COST.
5. INCLUDE COSTS OF SEALANTS AT CAVITY PERIMETER/CONTROL JOINTS AND SURFACE TREATMENT (SEE NOTE 4) IN THE UNIT COST. SEE TYPICAL CONTROL JOINT DETAIL FOR JOINT SPACING.

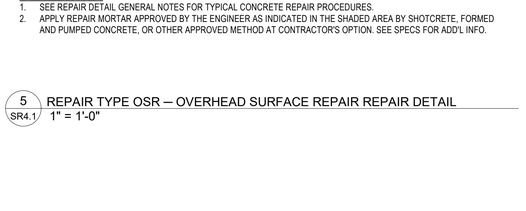
3 SR4.1 REPAIR TYPE SFR – SHALLOW-DEPTH FLOOR REPAIR DETAIL
1" = 1'-0"



SEE TYPICAL

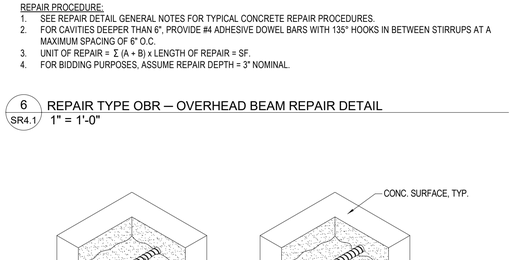
REPAIR PROCEDURE :
1. SEE REPAIR DETAIL GENERAL NOTES FOR TYPICAL CONCRETE REPAIR PROCEDURES.
2. INSTALL GALVANIC ANODES AT THE PERIMETER OF ALL REPAIR PATCHES PER MANUFACTURER'S RECOMMENDATIONS. VERIFY CONTINUITY & PROVIDE APPROPRIATE COVER FOR GALVANIC ANODES. ANODES ARE NOT INCLUDED IN THE UNIT PRICE.
3. SURFACE TREATMENT NOTE: PENETRATING SEALER, PENETRATING CORROSION INHIBITING TREATMENT, TRAFFIC DECK COATING, AND/OR OTHER SURFACE TREATMENT AS INDICATED ON THE DRAWINGS. IF SURFACE TREATMENT IS NOT INDICATED, APPLY PENETRATING SEALER TO THE REPAIR AND EXTEND 6" MIN. BEYOND PERIMETER OF REPAIR. THE PENETRATING SEALER SHALL BE INCLUDED IN THE UNIT COST OF THE CONCRETE REPAIR; ALL OTHER SURFACE TREATMENTS SHALL BE EXCLUDED FROM THE UNIT COST.
4. INCLUDE COSTS OF SEALANTS AT CAVITY PERIMETER/CONTROL JOINTS AND SURFACE TREATMENT (SEE NOTE 3) IN THE UNIT COST. SEE TYPICAL CONTROL JOINT DETAIL FOR JOINT SPACING.

4 SR4.1 REPAIR TYPE FFR – FULL-DEPTH FLOOR REPAIR DETAIL
1" = 1'-0"



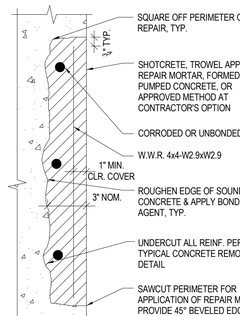
REPAIR PROCEDURE:
1. SEE REPAIR DETAIL GENERAL NOTES FOR TYPICAL CONCRETE REPAIR PROCEDURES.
2. APPLY REPAIR MORTAR APPROVED BY THE ENGINEER AS INDICATED IN THE SHADED AREA BY SHOTCRETE, FORMED AND PUMPED CONCRETE, OR OTHER APPROVED METHOD AT CONTRACTOR'S OPTION. SEE SPECS FOR ADD'L INFO.

5 SR4.1 REPAIR TYPE OSR – OVERHEAD SURFACE REPAIR REPAIR DETAIL
1" = 1'-0"



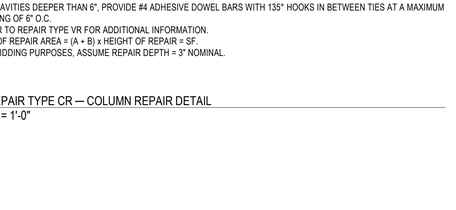
REPAIR PROCEDURE:
1. SEE REPAIR DETAIL GENERAL NOTES FOR TYPICAL CONCRETE REPAIR PROCEDURES.
2. FOR CAVITIES DEEPER THAN 6", PROVIDE #4 ADHESIVE DOWEL BARS WITH 135° HOOKS IN BETWEEN STIRRUPS AT A MAXIMUM SPACING OF 6" O.C.
3. UNIT OF REPAIR = Σ (A + B) x LENGTH OF REPAIR = SF.
4. FOR BIDDING PURPOSES, ASSUME REPAIR DEPTH = 3" NOMINAL.

6 SR4.1 REPAIR TYPE OBR – OVERHEAD BEAM REPAIR DETAIL
1" = 1'-0"



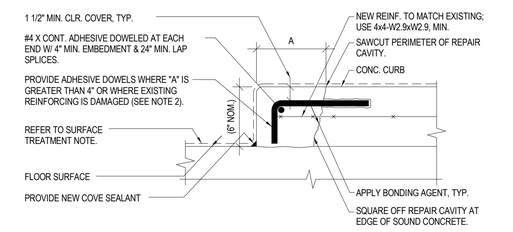
REPAIR PROCEDURE:
1. SEE REPAIR DETAIL GENERAL NOTES FOR TYPICAL CONCRETE REPAIR PROCEDURES.

7 SR4.1 REPAIR TYPE VR – VERTICAL REPAIR DETAIL
1" = 1'-0"



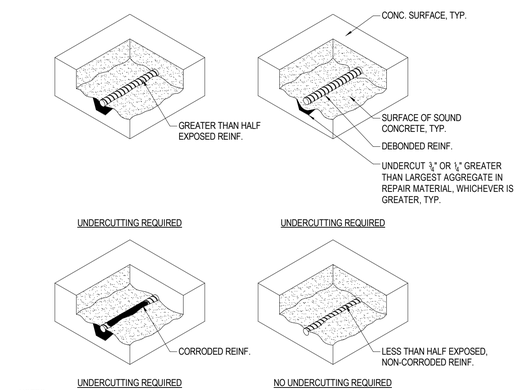
REPAIR PROCEDURE:
1. SEE REPAIR DETAIL GENERAL NOTES FOR TYPICAL CONCRETE REPAIR PROCEDURES.
2. FOR CAVITIES DEEPER THAN 6", PROVIDE #4 ADHESIVE DOWEL BARS WITH 135° HOOKS IN BETWEEN TIES AT A MAXIMUM SPACING OF 6" O.C.
3. REFER TO REPAIR TYPE VR FOR ADDITIONAL INFORMATION.
4. UNIT OF REPAIR AREA = (A + B) x HEIGHT OF REPAIR = SF.
5. FOR BIDDING PURPOSES, ASSUME REPAIR DEPTH = 3" NOMINAL.

8 SR4.1 REPAIR TYPE CR – COLUMN REPAIR DETAIL
1" = 1'-0"



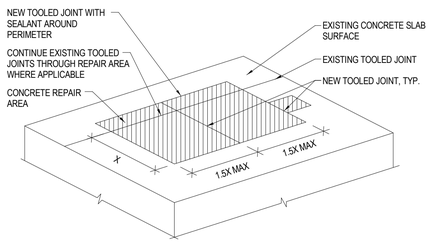
REPAIR PROCEDURE:
1. SEE REPAIR DETAIL GENERAL NOTES FOR TYPICAL CONCRETE REPAIR PROCEDURES.
2. PROVIDE #4 ADHESIVE DOWEL BAR WITH 90° HOOK & 4" MIN. EMBEDMENT @ 12" O.C. MAX.
3. SURFACE TREATMENT NOTE: PENETRATING SEALER, PENETRATING CORROSION INHIBITING TREATMENT, TRAFFIC DECK COATING, AND/OR OTHER SURFACE TREATMENT AS INDICATED ON THE DRAWINGS. IF SURFACE TREATMENT IS NOT INDICATED, APPLY PENETRATING SEALER TO THE REPAIR AND EXTEND 6" MIN. BEYOND PERIMETER OF REPAIR. THE PENETRATING SEALER SHALL BE INCLUDED IN THE UNIT COST OF THE CONCRETE REPAIR; ALL OTHER SURFACE TREATMENTS SHALL BE EXCLUDED FROM THE UNIT COST.
4. PAINT 6" WIDE LINE STRIPE @ EDGE OF CURB TO MATCH EXISTING; COLOR: SAFETY YELLOW.
5. UNIT OF REPAIR AREA = (A) x LENGTH OF REPAIR = SF.

9 SR4.1 REPAIR TYPE CRB – CURB REPAIR DETAIL
1" = 1'-0"



NOTES:
1. SEE REPAIR DETAIL GENERAL NOTES FOR ADDITIONAL INFORMATION.
2. UNDERCUTTING REQUIRED AT ALL VERTICAL AND OVERHEAD SURFACES.
3. ANY REINFORCEMENT WITH SECTION LOSS GREATER THAN 20% SHALL BE REPLACED.
4. ALL REBAR SHALL BE SANDBLASTED CLEAN AND TREATED WITH CORROSION INHIBITING COATING MATERIALS PER SPECIFICATIONS.

10 SR4.1 TYPICAL CONCRETE REMOVAL DETAIL
1" = 1'-0"



NOTES:
1. IF NO EXISTING TOOLED JOINT IS PRESENT, DIMENSION 'X' SHALL REFER TO THE FULL WIDTH OF THE REPAIR.
2. PROVIDE TOOLED JOINTS SUCH THAT DIMENSION 'X' IS NO GREATER THAN 6 FEET AT ANY REPAIR LOCATION. REFER TO REPAIR TYPE FCS / SR FOR TOOLED JOINT DIMENSIONS AND ADDITIONAL INFORMATION.

11 SR4.1 TYPICAL CONTROL JOINT DETAIL
1" = 1'-0"

REPAIR DETAIL GENERAL NOTES:
1. REFER TO SHEET SR0.1 FOR GENERAL NOTES.
2. REFER TO RESTORATION PLANS FOR APPROXIMATE SIZES AND LOCATIONS OF REPAIR AREAS.
3. DETAILS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. EXACT CONDITIONS VARY (i.e. DIMENSIONS, REBAR, ANODES, ETC.).
4. TYPICAL CONCRETE REPAIR PROCEDURES ARE AS FOLLOWS, U.N.O.
   A. THE DRAWINGS INDICATE THE AREAS THAT HAVE BEEN DETERMINED TO REQUIRE REPAIR PER ENGINEER'S FIELD SURVEY. CONTRACTOR SHALL SOUND SURFACES WITH HAMMER, ROD, CHAIN, OR APPROPRIATE TOOL TO DETECT DELAMINATION EXTENTS. SEE "GENERAL SURFACE PREPARATION" ON SHEET SR0.1.
   B. SAWCUT 1/2" MAX. PERIMETER OF REPAIR AREAS TO AVOID CUTTING REINFORCEMENT.
   C. REMOVE DELAMINATED CONCRETE TO SOUND CONCRETE. IF REINFORCEMENT IS GREATER THAN HALF EXPOSED, DEBONDED FROM CONCRETE, OR CORRODED, UNDERCUT REINFORCEMENT 3/4" OR 3/4" LARGER THAN THE LARGEST AGGREGATE IN REPAIR MATERIAL, WHICHEVER IS GREATER, U.N.O. SEE TYPICAL CONCRETE REMOVAL DETAIL FOR CLARIFICATION. UNDERCUT REINFORCEMENT AT ALL VERTICAL AND OVERHEAD REPAIRS.
   D. CARE SHALL BE TAKEN NOT TO BREAK NON-CORRODED REINFORCEMENT BOND TO SURROUNDING CONCRETE. IF BOND IS BROKEN, UNDERCUTTING OF THE REINFORCEMENT IS REQUIRED.
   E. PROVIDE RIGHT ANGLE CUTS / SQUARE OFF ENDS ALONG PERIMETER OF REPAIR AREAS.
   F. CLEAN SURFACE FREE OF DUST, LAITANCE, AND OTHER INHIBITING MATERIALS AS INDICATED UNDER "GENERAL SURFACE PREPARATION" ON SHEET SR0.1.
   G. DAMAGED REINFORCEMENT WITH SECTION LOSS LESS THAN 20% SHALL BE PREPARED AS INDICATED UNDER "GENERAL SURFACE PREPARATION" ON SHEET SR0.1.
   H. DAMAGED REINFORCEMENT WITH SECTION LOSS GREATER THAN 20% SHALL BE SUPPLEMENTED AND DEVELOPED INTO EXISTING REINFORCEMENT. ADDITIONAL REINFORCEMENT SHALL BE SUPPLIED AT UNIT COST, U.N.O.
   I. ALL EXISTING EXPOSED STEEL SHALL BE COATED WITH STEEL CORROSION INHIBITING TREATMENT IN ACCORDANCE WITH SPECIFICATION SECTION 039300.
   J. PREPARE CONCRETE SUBSTRATE, INCLUDING APPLYING APPLICABLE BONDING AGENT TO THE SCARIFIED PATCHING SURFACE, TO RECEIVE NEW REPAIR MORTAR.
   K. PROVIDE 1 1/2" CONC. COVER U.N.O.; IF REQUIRED COVER IS NOT ACHIEVABLE, MOUND CONCRETE TO PROVIDE MINIMUM COVER OVER MAJORITY OF REINFORCEMENT WHILE MAINTAINING REQUIRED HEADROOM. IF HEADROOM CANNOT BE ACHIEVED, CONSULT ENGINEER.
   L. PREPARE, PLACE, FINISH, & CURE REPAIR MORTAR PER MANUFACTURER'S REQUIREMENTS & SPECIFICATION SECTION 039300. CONCRETE PER SPECIFICATION SECTION 033000 MAY BE USED AT CONTRACTOR'S OPTION FOR DEPTH GREATER THAN 3", U.N.O. PLACE TOOLED JOINTS AND SEALANT PER "TYPICAL CONTROL JOINT DETAIL".
   M. RE-PAINT PARKING STALLS & TRAFFIC MARKINGS AS REQUIRED TO MATCH EXISTING CONDITIONS.

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PROJECT NO.
NBR20136.01

PROJECT

Yonkers GCG Restoration

PARKING GARAGE

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SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

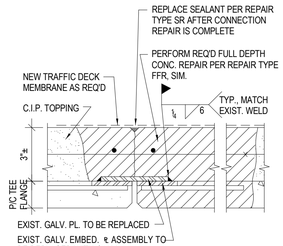
NO.	DESCRIPTION	DATE

NORTH

DRAWN: DJK
REVIEWED: SHH
DATE: 04/11/2022

SHEET TITLE:
REPAIR DETAILS

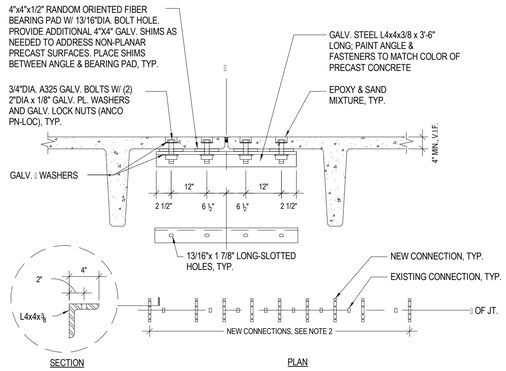
SHEET NO.
SR4.1



REPAIR TYPE TTC2: TOPPED TEE

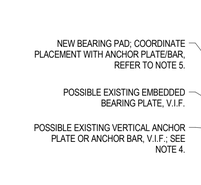
REPAIR PROCEDURES:
1. REPAIR TYPE TTC2: EMB. HARDWARE TO REPLACED AT ONE SIDE ONLY.
   A. REMOVE DELAMINATED CONCRETE AROUND THE TEE-TO-TEE CONNECTION PER CONC. REPAIR SHEET NOTES.
   B. REMOVE & REPLACE EXIST. EMBEDDED PLATE ASSEMBLY. REPAIR SHADED REPAIR AREA PER REPAIR TYPE PFR. FOR BIDDING PURPOSES ASSUME 4 SF OF REPAIR TYPE PFR FOR REPAIR TYPE TTC2.
   C. REPLACE DAMAGED REINFORCING PER GENERAL NOTE B.3/SR0.1. NEW REINFORCING SHALL MATCH THE EXISTING SIZE AND SPACING. FOR BIDDING ASSUME WWR 4X4 - W4.0 X W4.0 & #4 X CONT. RUNNING PARALLEL TO TEE TO TEE JOINT.
   D. VERIFY THAT LOOSE SMOOTH BAR IS POSITIONED 3/8" MIN. TO 3/4" MAX. DOWN FROM TOP OF CONNECTOR.
   E. LOOSE BAR MUST BE INSTALLED REASONABLY FLAT AND PLACED WITH SETTING TOOL.
   F. REWELD CONNECTION AS SHOWN AT EACH SIDE OF PLATE. DO NOT OVERWELD.
2. REPAIR TYPE TTC3: REWELDING OF LOOSE BAR ONLY.
3. REPAIR TYPE TTC4: REPAIR FULL-DEPTH HALO CRACK ADJACENT TO CONNECTION PER REPAIR TYPE EI. ASSUME 2 LF X 5" NOM. DEPTH.

1 SR4.2 REPAIR TYPE TTC2-4 – TEE TO TEE CONNECTION REPAIR DETAIL
1" = 1'-0"



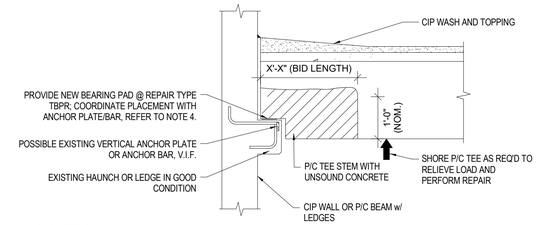
NOTES:
1. ALL CONN. HARDWARE SHALL BE GALVANIZED.
2. LOCATE NEW CONNECTIONS BETWEEN EXISTING CONNECTIONS, OR AS DIRECTED BY ENGINEER.
3. BOLT RECESS SHALL BE 1" DEEP & CUT WITH A 2 1/4" DIAMETER CONCRETE CORE BIT (WET DRILL).
4. MAINTAIN CAUTION TO PREVENT BLOWOUT OF UNDERSIDE OF TEE WHEN DRILLING FULL DEPTH BOLT HOLE; USE WET CORE BIT OR OTHER MEANS TO PREVENT BLOWOUT.
5. SEE REPAIR DETAIL GENERAL NOTES FOR TYPICAL CONCRETE REPAIR PROCEDURES AS REQ'D.

2 SR4.2 REPAIR TYPE TTC5 – TEE-TO-TEE CONNECTION REPAIR DETAIL
1" = 1'-0"



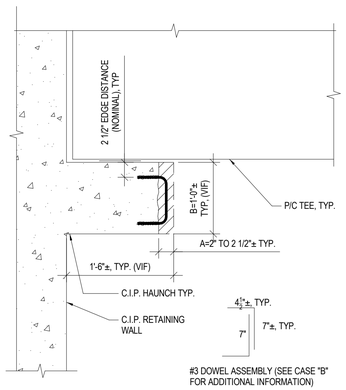
REPAIR PROCEDURE:
1. SHORE / JACK TEE OR GIRDER AS REQ'D TO RELIEVE LOAD ON HAUNCH AND PERFORM REPAIR. SHORE ALL LEVELS TO SLAB ON GRADE AS REQ'D TO ENSURE INTERMEDIATE LEVELS ARE NOT OVERSTRESSED. SHORE / JACK MEMBER PER GENERAL NOTE A.3 ON SHEET SR0.1.
2. SEE REPAIR DETAIL GENERAL NOTES FOR TYPICAL CONCRETE REPAIR PROCEDURES.
3. NOTIFY ENGINEER TO REVIEW REINFORCEMENT CONDITION AFTER DEMOLITION. INSTALL NEW REINFORCING PER ENGINEER'S DIRECTION AT UNIT PRICING.
4. IF A VERTICAL ANCHORAGE PLATE EXISTS, PERFORM SURFACE PREPARATION AS INDICATED ON SR0.1. THEN WELD WIRE TO THE PLATE TO PROVIDE POSITIVE ANCHORAGE OF THE NEW REPAIR MORTAR. BEND W4.0 WIRE IN SINUSOIDAL SHAPE W/ 3/4" AMPLITUDE & 4" WAVELENGTH. CUT WIRES TO 1" LESS THAN THE PLATE WIDTH & TACK WELD TO THE HAUNCH PLATE @ 3" O.C. APPLY BONDING/ANTI-CORROSION AGENT TO THE PLATE & WIRE TO ASSURE THE REPAIR MATERIAL BONDS TO THE PLATE.
5. ADHERE NEW RANDOM ORIENTED FIBER BEARING PAD TO BOTTOM OF TEE STEM OR GIRDER USING STRUCTURAL ADHESIVE (1/2"x6"x6" FOR REPAIR TYPE HR); (1/2"xW-3"xD-2" FOR REPAIR TYPE HRG, WHERE W IS THE WIDTH OF THE HAUNCH AND D IS THE DEPTH OF THE HAUNCH IN INCHES). APPLY PRESSURE DURING ADHESION PROCESS TO ASSURE FULL CONTACT BETWEEN BEARING PAD AND CONCRETE. THE BEARING PAD SHALL BE POSITIONED SO IT DOES NOT PROJECT BEYOND THE INTERIOR FACE OF THE TRANSVERSE ANCHOR PLATE OR BAR WITHIN THE HAUNCH OR CORBEL.
6. PROVIDE 1 1/2" CONC. COVER ON EMBEDDED REBAR & PLATES.
7. REPAIR UNSOUND CONCRETE SIMILAR TO REPAIR TYPE OBR OR VR PER ENGINEER'S DIRECTION (ASSUME OBR-4 FOR BIDDING PURPOSES). ASSURE THAT NEW REPAIR PROVIDES FULL BEARING BETWEEN BEARING PAD AND CONCRETE SURFACES.
8. REMOVE SHORING AFTER MATERIAL REACHES DESIGN STRENGTH.
9. REPAIR UNIT IS PER HAUNCH.
   A. REPAIR TYPE HR: PRECAST CONCRETE DOUBLE TEE HAUNCH
   B. REPAIR TYPE HRG: PRECAST CONCRETE GIRDER HAUNCH
10. SUPERFICIAL CONCRETE REPAIRS THAT DO NOT REQUIRE SHORING AND BEARING PAD REPLACEMENT SHALL BE BILLED AS REPAIR TYPE VR OR OBR AS APPROPRIATE.

3 SR4.2 REPAIR TYPE HR & HRG – HAUNCH REPAIR DETAIL
1" = 1'-0"

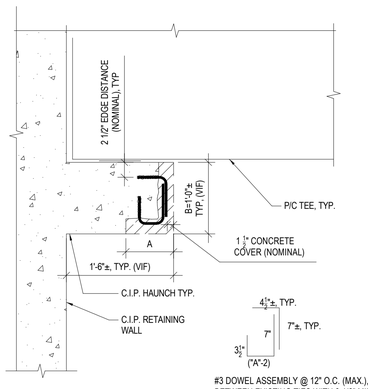


REPAIR PROCEDURE:
1. SHORE / JACK TEE AS REQ'D TO RELIEVE LOAD ON HAUNCH AND PERFORM REPAIR. SHORE ALL LEVELS TO SLAB-ON-GRADE AS REQ'D TO ENSURE INTERMEDIATE LEVELS ARE NOT OVERSTRESSED. SHORE / JACK MEMBER PER GENERAL NOTE A.3 ON SHEET SR0.1.
2. SEE REPAIR DETAIL GENERAL NOTES FOR TYPICAL CONCRETE REPAIR PROCEDURES.
3. NOTIFY ENGINEER TO REVIEW REINFORCEMENT CONDITION AFTER DEMOLITION. INSTALL NEW REINFORCING PER ENGINEER'S DIRECTION AT UNIT PRICING.
4. ADHERE NEW RANDOM ORIENTED FIBER BEARING PAD TO BOTTOM OF TEE STEM OR GIRDER USING STRUCTURAL ADHESIVE (1/2"x6"x6" FOR REPAIR TYPE TBR). APPLY PRESSURE DURING ADHESION PROCESS TO ASSURE FULL CONTACT BETWEEN BEARING PAD AND CONCRETE. THE BEARING PAD SHALL BE POSITIONED SO IT DOES NOT PROJECT BEYOND THE INTERIOR FACE OF THE TRANSVERSE ANCHOR PLATE OR BAR WITHIN THE HAUNCH OR LEDGE.
5. FOR REPAIR TYPE TBPR: CHIP THE CONCRETE BELOW THE BEARING PAD AS NEEDED TO REMOVE THE PAD, BUT NOT LESS THAN 1/2" OF CONCRETE.
6. FOR REPAIR TYPE TBPR: POUR LAYER OF HIGH STRENGTH STRUCTURAL EPOXY AS NEEDED TO FILL GAP AND PROVIDE FULL BEARING BETWEEN BEARING PAD AND CONCRETE SURFACES. PERFORM SURFACE PREPARATION, MIX AND INSTALL EPOXY PER MANUFACTURER'S WRITTEN INSTRUCTIONS. ACCEPTABLE EPOXY MATERIALS ARE SIKADUR 32 HI-MOD OR EQUAL. EPOXY SHALL BE MIXED WITH AN OVEN DRIED SILICA SAND AT THE RATE PER MANUFACTURER'S WRITTEN INSTRUCTIONS; SAND SHALL BE A "20/40", "30/40" OR SIMILAR BLEND. THE TOP 1/4" TO 3/8" OF EPOXY SHALL BE APPLIED NEAT (WITHOUT SAND). POUR A SUFFICIENT QUANTITY OF NEAT EPOXY TO ALLOW THE LEVEL TO RISE SLIGHTLY HIGHER THAN THE UNDERSIDE OF THE BEARING PAD.
7. PROVIDE 1 1/2" CONC. COVER ON EMBEDDED REBAR.
8. REPAIR UNSOUND CONCRETE SIMILAR TO REPAIR TYPE OBR OR VR PER ENGINEER'S DIRECTION (ASSUME OBR-6 FOR BIDDING PURPOSES). ASSURE THAT NEW REPAIR PROVIDES FULL BEARING BETWEEN BEARING PAD AND CONCRETE SURFACES.
9. REMOVE SHORING AFTER MATERIAL REACHES DESIGN STRENGTH.
10. REPAIR UNIT IS PER BEARING REPAIR.
    A. REPAIR TYPE TSR: TEE STEM REPAIR
    B. REPAIR TYPE TBPR: TEE STEM BEARING PAD REPLACEMENT
11. CONCRETE REPAIRS THAT DO NOT REQUIRE BEARING PAD REPLACEMENT SHALL BE PERFORMED AND ADDITIONAL QUANTITIES SHALL BE BILLED PER REPAIR TYPE VR OR OBR AS APPROPRIATE.
12. REPAIR UNIT = LINEAR FEET (LF) FOR "TSR", EACH (EA.) FOR "TBPR".

4 SR4.2 REPAIR TYPE TSR & TBPR – TEE STEM REPAIR / BEARING PAD REPLACEMENT DETAIL
1" = 1'-0"



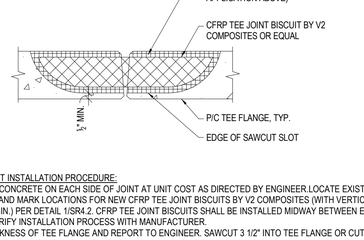
CASE A:
CRACKING/DELAMINATION, FOUND @ VERTICAL SURFACE ONLY



CASE B:
CRACKING/DELAMINATION, FOUND @ VERTICAL & BOTTOM SURFACES

REPAIR PROCEDURE:
1. PROVIDE SHORING AS REQUIRED. REMOVE DELAMINATED/SPALLED CONCRETE SECTIONS AT LEAST 2" THICKNESS ONE (1) OR TWO (2) SURFACES.
2. SEE DETAIL 6/SR4.1, REPAIR TYPE "OBR" & REPAIR DETAIL GENERAL NOTES ON SHEET SR4.1.
3. UNIT OF REPAIR = Σ (A + B) x LENGTH OF REPAIR (SF).

6 SR4.2 REPAIR TYPE WHR – WALL HAUNCH REPAIR DETAIL
1" = 1'-0"



CFRP TEE JOINT BISCUIT INSTALLATION PROCEDURE:
1. REPAIR UNSOUND CONCRETE ON EACH SIDE OF JOINT AT UNIT COST AS DIRECTED BY ENGINEER.LOCATE EXISTING TEE-TO-TEE CONNCETION AND MARK LOCATIONS FOR NEW CFRP TEE JOINT BISCUITS BY V2 COMPOSITES (WITH VERTICAL SHEAR CAPACITY 6 KIPS MIN.) PER DETAIL 1/SR4.2. CFRP TEE JOINT BISCUITS SHALL BE INSTALLED MIDWAY BETWEEN EXISTING CONNECTIONS. VERIFY INSTALLATION PROCESS WITH MANUFACTURER.
2. FIELD VERIFY THICKNESS OF TEE FLANGE AND REPORT TO ENGINEER. SAWCUT 3 1/2" INTO TEE FLANGE OR CUT TO A DEPTH 1/2" FROM BOTTOM OF FLANGE. SAWCUT 18" LONG x 1/4" WIDE SLOT CENTERED AT TEE JOINT PERPENDICULAR TO TEE JOINT.
3. WATERBLAST CLEAN ALL SAWCUT OPENINGS TO REMOVE DUST AND FOREIGN DEBRIS. ALLOW A MINIMUM OF 24 HOURS DRY TIME PRIOR TO INSTALLING CFRP TEE BISCUIT.
4. PROVIDE TAPE ON SURFACE TO ASSURE STRAIGHT, NEAT EDGES. PROVIDE AN OVERSIZED BACKER ROD IN TEE JOINT TO PREVENT EPOXY MIGRATION.
5. FILL SLOT HALFWAY WITH EPOXY BOND PASTE. COMPLETELY BUTTER BOTH SIDES OF BISCUIT WITH EPOXY BOND PASTE. PLACE BISCUIT INTO SLOT, ALLOW THE BOND PASTE TO CURE, AND ENSURE 100% SURFACE ADHESION. REMOVE ANY EXCESS EPOXY. RECESS EPOXY SLIGHTLY TO ALLOW FOR SEALANT ON TOP OF SLOT.
6. REMOVE TAPE AROUND SLOT BEFORE EPOXY HARDENS.
7. PROTECT ADJACENT DOUBLE TEES FROM TRAFFIC DURING MANUFACTURER'S RECOMMENDED CURING TIME.
8. REPLACE TEE TO TEE SEALANT AT UNIT COST AS REQUIRED AND AS DIRECTED BY ENGINEER AFTER CFRP TEE JOINT BISCUIT INSTALLATION IS COMPLETED. SEE REPAIR TYPE TTS.
9. APPLY SEALANT ABOVE BISCUIT SLOT FLUSH WITH CONCRETE SURFACE.
10. UNIT PRICE IS PER TEE JOINT BISCUIT.

7 SR4.2 REPAIR TYPE TTC6 – TEE-TO-TEE CONNECTION REPAIR DETAIL
1" = 1'-0"

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PROJECT NO.
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PROJECT

Yonkers GCG Restoration

PARKING GARAGE

118 New Main St,
Yonkers, NY 10701

SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

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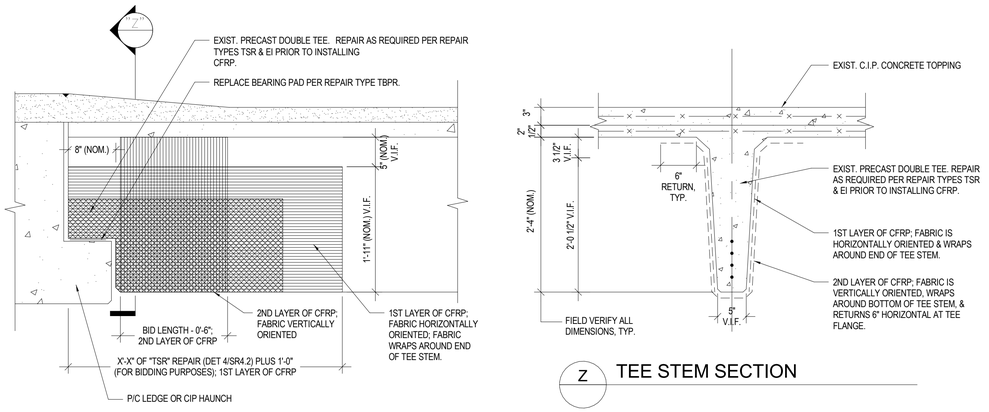
SHEET TITLE:
REPAIR DETAILS

SHEET NO.
SR4.2



Z TEE STEM SECTION

REPAIR NOTES:

1. SHORE / JACK TEE AS REQ'D TO RELIEVE LOAD ON TEE STEM/BEARING PAD AS NEEDED TO PERFORM REPAIR. SHORE (2) LEVELS BELOW AS REQ'D TO ENSURE INTERMEDIATE LEVELS ARE NOT OVERSTRESSED. SHORE / JACK MEMBER PER GENERAL NOTE A.3 ON SHEET SR0.1.
2. SOUND P/C TEE STEM AT AREAS OF DETERIORATION & CRACKING TO DETERMINE EXTENT OF REPAIR.
3. REMOVE DELAMINATED CONCRETE TO SOUND CONCRETE. IF REINFORCEMENT IS GREATER THAN HALF EXPOSED, DE-BONDED FROM CONCRETE, OR CORRODED, UNDERCUT REINFORCEMENT 3/4". SQUARE OFF REPAIR AREA.
4. NOTIFY ENGINEER TO REVIEW REINFORCEMENT CONDITION AFTER DEMOLITION IS COMPLETED, AS REQUIRED.
5. ADHERE NEW RANDOM ORIENTED FIBER BEARING PAD TO HAUNCH USING STRUCTURAL ADHESIVE (1/2"x6"x0'-6", V.I.F.). APPLY PRESSURE DURING ADHESION PROCESS TO ASSURE FULL CONTACT BETWEEN BEARING PAD AND CONCRETE. PROVIDE GALV. STEEL SHIMS BETWEEN BEARING PAD AND BEARING PLATE ASSEMBLY AS NEEDED.
6. SEE REPAIR DETAIL GENERAL NOTES FOR TYPICAL CONCRETE REPAIR PROCEDURES.
7. PROVIDE 1 1/2" CONC. COVER ON EMBEDDED REBAR.
8. REPAIR UNSOUND CONCRETE SIMILAR TO REPAIR TYPE TSR & TBPR. ASSURE THAT NEW REPAIR PROVIDES FULL BEARING BETWEEN BEARING PAD AND CONCRETE SURFACES.
9. AFTER THE CONCRETE HAS FULLY CURRED INSTALL CARBON FIBER REINFORCED POLYMER AS DICTATED TO STRENGTHEN TEE STEM DAP.
10. CFRP STRENGTHENING SYSTEM SHALL BE PERFORMED USING SIKAWRAP HEX 103C-2X OR EQUAL.
11. PERFORM PREPARATION (INCLUDING ROUNDING OF CORNERS) AND INSTALLATION PER MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO GENERAL NOTE I/SR0.1 FOR ADDITIONAL INFO.
12. CFRP SHEETS SHALL BE CONTINUOUS; LAPPING IS NOT PERMITTED.
13. APPLY AN EXTERIOR VERTICAL COATING MEMBRANE OVER CFRP, TYP. COATING COLOR IS TO MATCH EXISTING PRECAST.
14. REMOVE SHORING AFTER ALL REPAIR MATERIALS REACH DESIGN STRENGTH.
15. REPAIR UNIT IS LUMP SUM FOR EACH TEE STEM DAPPED END.
16. (E) DENOTES EXISTING.

1 / SR4.3 REPAIR TYPE TSS – TEE STEM STRENGTHENING REPAIR DETAIL (CFRP) - DAPPED END
1" = 1'-0"

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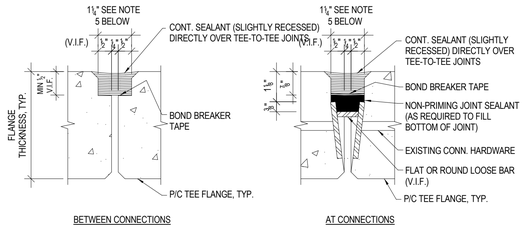
REPAIR DETAILS

SHEET NO.

SR4.3

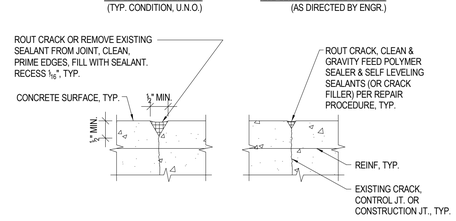


BETWEEN CONNECTIONS AT CONNECTIONS

REPAIR PROCEDURE:

1. REMOVE EXISTING SEALANT ALONG THE ENTIRE LENGTH OF DOUBLE TEE, U.N.O.
2. INSPECT TEE-TO-TEE CONNECTIONS AND REPORT DETERIORATION AND/OR FAILURES TO ENGINEER. CONNECTION FAILURES THAT ARE NOT OBVIOUS DURING A VISUAL INSPECTION, BECOME MORE APPARENT IF DIFFERENTIAL DEFLECTION OCCURS WHEN A VEHICLE PASSES OVER THE JOINT. REPAIR CONNECTIONS PER ENGINEER'S DIRECTION USING REPAIR TYPE TTC. DO NOT REPLACE JOINT SEALANT UNTIL CONNECTION REPAIRS ARE COMPLETE.
3. REMOVE DUST, FOREIGN PARTICLES, AND BOND INHIBITING MATERIAL FROM SURFACE BY BLAST-CLEANING.
4. PROVIDE BOND BREAKING TAPE AT BOTTOM OF JOINTS. APPLY PRIME COAT TO SURFACE AND SEAL WITH AN APPROVED POLYURETHANE SEALANT IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND PROCEDURES. DO NOT OVERFILL JOINT.
5. SEALANT MUST BE APPLIED EVENLY AND RECESSED SLIGHTLY (1/16 ") BELOW SURFACE.
6. JOINTS BETWEEN TEE COMPONENTS MAY VARY IN THE FIELD. FIELD VERIFY ACTUAL CONDITIONS.

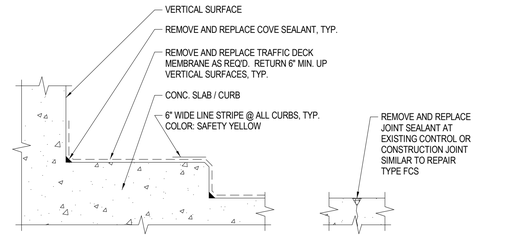
1 SR4.4 REPAIR TYPE TTS – TEE-TO-TEE JOINT SEALANT REPLACEMENT DETAIL
1" = 1'-0"



REPAIR PROCEDURE:

1. ROUT AT CENTER OF CRACK OR TOOLED JOINT TO FORM A GROOVE AND GRIND ANY UNEVEN SURFACES OR REMOVE SEALANT FROM EXISTING JOINT.
2. REMOVE DUST, FOREIGN PARTICLES, AND ANY BOND INHIBITING MATERIAL FROM SURFACE BY AIR OR SAND BLASTING AS REQUIRED.
3. APPLY BOND BREAKER (IF APPLICABLE) & PRIME COATING TO SURFACE AND SEAL WITH AN APPROVED POLYURETHANE SEALANT IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS & SPECIFICATIONS.
4. SEALANT MUST BE APPLIED EVENLY AND RECESSED 1/16" BELOW SURFACE. INSTALL SEALANT FLUSH WITH SURFACE FOR AREAS TO RECEIVE TRAFFIC DECK MEMBRANE. DO NOT OVERFILL JOINT.
5. SEE SPECIFICATION SECTION 079020 FOR ADDITIONAL REQUIREMENTS.
6. CRACKS IN REPAIR TYPE FCP SHALL BE GRAVITY FED WITH A POLYMER SEALER PER THE MANUFACTURER'S REQUIREMENTS AND PROCEDURES. FILL CRACKS WITH OVEN-DRIED SAND BEFORE GRAVITY FEEDING THE POLYMER SEALER. GRAVITY FEED THE POLYMER SEALER EVENLY.
7. AT FCS & FCD: WHERE URETHANE TRAFFIC DECK COATING IS INDICATED ON THE DRAWINGS, APPLY SEALANT PRIOR TO APPLICATION OF THE TRAFFIC DECK COATING. WHERE EPOXY TRAFFIC DECK COATING IS INDICATED ON THE DRAWINGS, APPLY SEALANT AFTER THE APPLICATION OF THE TRAFFIC DECK COATING.

2 SR4.4 REPAIR TYPE FCS & FCP – FLOOR CRACK REPAIR DETAIL
1" = 1'-0"

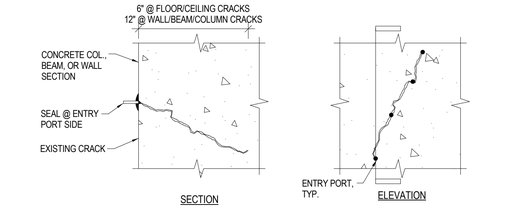


COVE SEALANT REPLACEMENT JOINT SEALANT REPLACEMENT

REPAIR PROCEDURE:

1. SEE REPAIR PROCEDURES ON REPAIR TYPE FCS FOR ADDITIONAL INFO.
2. WHERE URETHANE TRAFFIC DECK COATING IS INDICATED ON THE DRAWINGS, APPLY SEALANT PRIOR TO APPLICATION OF THE TRAFFIC DECK COATING. WHERE EPOXY TRAFFIC DECK COATING IS INDICATED ON THE DRAWINGS, APPLY SEALANT AFTER THE APPLICATION OF THE TRAFFIC DECK COATING.
3. UNIT PRICE INCLUDES PER LF OF SEALANT REPLACEMENT. TRAFFIC DECK MEMBRANE AND LINE STRIPING ARE NOT INCLUDED.
4. REPAIR TYPE SR APPLIES TO HORIZONTAL FLOOR JOINTS INCLUDING CONTROL, CONSTRUCTION, AND COVE JOINTS; JOINT SIZE IS PER REPAIR TYPE FCS.
5. REPAIR TYPE VSR APPLIES TO VERTICAL JOINTS. USE NON-SAG SEALANT AND BACKER RODS AT VERTICAL JOINTS. JOINT SEALANT PROFILE SHALL BE 1" WIDE X 1/2" MINIMUM THICKNESS; FIELD VERIFY ACTUAL WIDTH AND ADJUST THICKNESS BASED ON MANUFACTURER'S WRITTEN REQUIREMENTS.

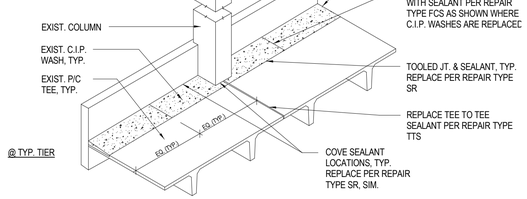
3 SR4.4 REPAIR TYPE SR & VSR – SEALANT REPLACEMENT DETAIL
1" = 1'-0"



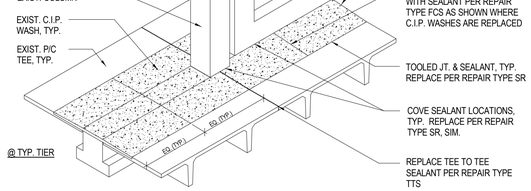
REPAIR PROCEDURE:

1. REFER TO EPOXY INJECTION GENERAL NOTES ON SR0.1 & SPECIFICATION SECTION 039300 FOR ADDITIONAL REQUIREMENTS.
2. CLEAN THE SURFACE AREA ABOUT 1/2" (MIN.) WIDE ON EACH SIDE OF THE CRACK USING WIRE BRUSHING AND HIGH-PRESSURE WATER, "OIL FREE" COMPRESSED AIR TO REMOVE CONTAMINANTS, OIL, GREASE, DIRT, OR FINE PARTICLES OF CONCRETE.
3. INSTALL ENTRY PORTS (SURFACE-MOUNTED OR SOCKET MOUNTED) AT PROPER SPACING. USE SOCKET MOUNTED PORTS WHEN CRACKS ARE BLOCKED. ENTRY PORTS CAN BE CONNECTED BY A MANIFOLD SYSTEM WHEN SIMULTANEOUS INJECTION OF MULTIPLE PORT LOCATIONS IS ADVANTAGEOUS.
4. INSTALL THE CAP SEAL TO KEEP THE EPOXY FROM LEAKING OUT. INSTALL THE CAP SEAL ON BOTH SIDES OF THE CRACKED ELEMENT, WHEN CRACKS PENETRATE COMPLETELY THROUGH SECTION. CAP SEALS COULD BE INSTALLED USING EPOXIES, POLYESTERS AND SILICONE CAULK. IF HIGH INJECTION PRESSURE IS NEEDED, CRACKS SHOULD BE CUT OUT TO A DEPTH OF 1/2" AND WIDTH OF 3/4" IN A V-SHAPE, FILLED WITH AN EPOXY AND STRUCK OFF FLUSH WITH THE SURFACE.
5. START WITH PROPER BATCHING AND MIXING OF EPOXY COMPONENTS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
6. INJECT THE EPOXY WITH PROPER PRESSURE. INJECT VERTICAL CRACKS FROM BOTTOM UP UNTIL THE EPOXY LEVEL REACHES THE ENTRY PORT ABOVE. WHEN INJECTION INTO A PORT IS COMPLETE, CAP IT IMMEDIATELY.
7. UPON COMPLETION OF THE INJECTION PROCESS, REMOVE PORTS AND CAP SEAL BY GRINDING OR OTHER MEANS, AS APPROPRIATE.

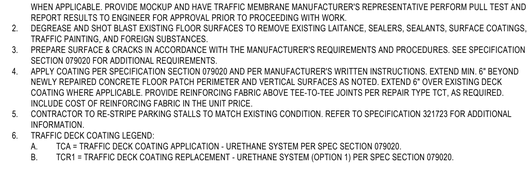
4 SR4.4 REPAIR TYPE EI, EIH, & EIW – EPOXY INJECTION REPAIR DETAIL
1" = 1'-0"



5 SR4.4 TYPICAL JOINT SEALANT @ P/C TEE SYSTEM
1" = 1'-0"



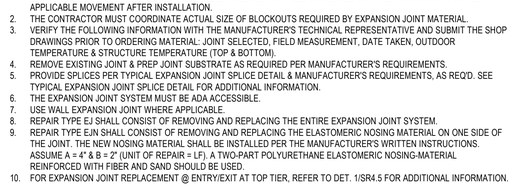
6 SR4.4 TYPICAL JOINT SEALANT @ P/C TEE SYSTEM
1" = 1'-0"



REPAIR PROCEDURE:

1. VERIFY W/ MANUFACTURERS THE COMPATIBILITY OF MATERIALS AND SURFACE PREPARATION REQUIREMENTS OF THE VARIOUS LAYERS OF THE SURFACE TREATMENT SYSTEM INCLUDING VAPOR REDUCTION COAT AND/OR CORROSION-INHIBITING TREATMENT, WHEN APPLICABLE. PROVIDE MOCKUP AND HAVE TRAFFIC MEMBRANE MANUFACTURER'S REPRESENTATIVE PERFORM PULL TEST AND REPORT RESULTS TO ENGINEER FOR APPROVAL PRIOR TO PROCEEDING WITH WORK.
2. DEGREASE AND SHOT BLAST EXISTING FLOOR SURFACES TO REMOVE EXISTING LAITANCE, SEALERS, SEALANTS, SURFACE COATINGS, TRAFFIC PAINTING, AND FOREIGN SUBSTANCES.
3. PREPARE SURFACE & CRACKS IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND PROCEDURES. SEE SPECIFICATION SECTION 079020 FOR ADDITIONAL REQUIREMENTS.
4. APPLY COATING PER SPECIFICATION SECTION 079020 AND PER MANUFACTURER'S WRITTEN INSTRUCTIONS. EXTEND MIN. 6" BEYOND NEWLY REPAIRED CONCRETE FLOOR PATCH PERIMETER AND VERTICAL SURFACES AS NOTED. EXTEND 6" OVER EXISTING DECK COATING WHERE APPLICABLE. PROVIDE REINFORCING FABRIC ABOVE TEE-TO-TEE JOINTS PER REPAIR TYPE TCT, AS REQUIRED. INCLUDE COST OF REINFORCING FABRIC IN THE UNIT PRICE.
5. CONTRACTOR TO RE-STRIPE PARKING STALLS TO MATCH EXISTING CONDITION. REFER TO SPECIFICATION 321723 FOR ADDITIONAL INFORMATION.
6. TRAFFIC DECK COATING LEGEND:
   A. TCA = TRAFFIC DECK COATING APPLICATION - URETHANE SYSTEM PER SPEC SECTION 079020.
   B. TCR1 = TRAFFIC DECK COATING REPLACEMENT - URETHANE SYSTEM (OPTION 1) PER SPEC SECTION 079020.

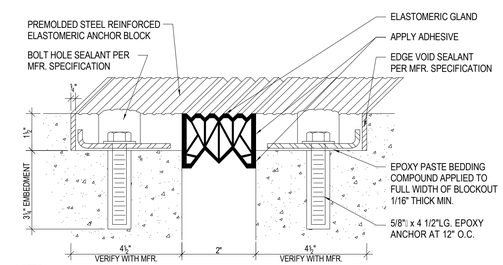
7 SR4.4 REPAIR TYPE (PER NOTE 6 ABOVE) – TRAFFIC DECK COATING APPLICATION/REPLACEMENT
1" = 1'-0"



REPAIR PROCEDURES:

1. EXPANSION JOINT MANUFACTURER TO SIZE SEALING GLAND FOR FIELD MEASURED GAP AND TO ACCOUNT FOR ALL APPLICABLE MOVEMENT AFTER INSTALLATION.
2. THE CONTRACTOR MUST COORDINATE ACTUAL SIZE OF BLOCKOUTS REQUIRED BY EXPANSION JOINT MATERIAL.
3. VERIFY THE FOLLOWING INFORMATION WITH THE MANUFACTURER'S TECHNICAL REPRESENTATIVE AND SUBMIT THE SHOP DRAWINGS PRIOR TO ORDERING MATERIAL: JOINT SELECTED, FIELD MEASUREMENT, DATE TAKEN, OUTDOOR TEMPERATURE & STRUCTURE TEMPERATURE (TOP & BOTTOM).
4. REMOVE EXISTING JOINT & PREP JOINT SUBSTRATE AS REQUIRED PER MANUFACTURER'S REQUIREMENTS.
5. PROVIDE SPLICES PER TYPICAL EXPANSION JOINT SPLICE DETAIL & MANUFACTURER'S REQUIREMENTS, AS REQ'D. SEE TYPICAL EXPANSION JOINT SPLICE DETAIL FOR ADDITIONAL INFORMATION.
6. THE EXPANSION JOINT SYSTEM MUST BE ADA ACCESSIBLE.
7. USE WALL EXPANSION JOINT WHERE APPLICABLE.
8. REPAIR TYPE EJ SHALL CONSIST OF REMOVING AND REPLACING THE ENTIRE EXPANSION JOINT SYSTEM.
9. REPAIR TYPE EJN SHALL CONSIST OF REMOVING AND REPLACING THE ELASTOMERIC NOSING MATERIAL ON ONE SIDE OF THE JOINT. THE NEW NOSING MATERIAL SHALL BE INSTALLED PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS. ASSUME A = 4" & B = 2" (UNIT OF REPAIR = LF). A TWO-PART POLYURETHANE ELASTOMERIC NOSING-MATERIAL REINFORCED WITH FIBER AND SAND SHOULD BE USED.
10. FOR EXPANSION JOINT REPLACEMENT @ ENTRY/EXIT AT TOP TIER, REFER TO DET. 1/SR4.5 FOR ADDITIONAL INFORMATION.

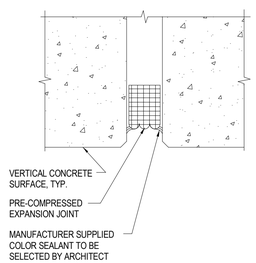
8 SR4.4 REPAIR TYPE EJ & EJN – EXPANSION JOINT REPLACEMENT & NOSING REPAIR DETAIL
1" = 1'-0"



NOTES:

1. THE GAP SHOWN IS AT A TYPICAL TEMPERATURE (70°). IT WILL VARY DEPENDING ON THE PREVAILING TEMPERATURE DURING INSTALLATION AS WELL AS MOVEMENT DUE TO SHRINKAGE, CREEP AND ELASTIC SHORTENING OF CONCRETE WHICH MAY OCCUR PRIOR TO ACTUAL INSTALLATION.
2. THE C.I.P. & P/C CONCRETE CONTRACTOR MUST COORDINATE ACTUAL SIZE OF BLOCKOUTS REQUIRED BY EXPANSION JOINT MATERIAL WITH THE JOINT INSTALLER.
3. EXTRUDED (BOLTED) EXPANSION JOINT MUST BE INSTALLED AT THE TOP LEVEL.
4. PROVIDE 6" VERTICAL RETURN (UP) AT WALL OR COLUMN TERMINATION AS APPLICABLE.

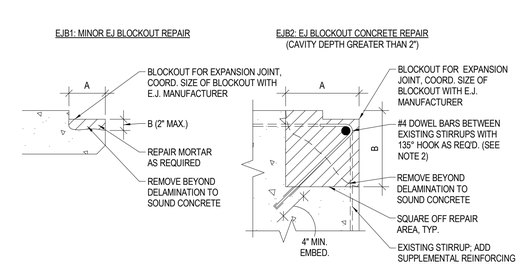
9 SR4.4 REPAIR TYPE EJT – BOLT-DOWN EXPANSION JOINT REPLACEMENT DETAIL
1" = 1'-0"



REPAIR PROCEDURES:

1. EXPANSION JOINT MANUFACTURER TO SIZE SEALING GLAND FOR FIELD MEASURED GAP AND TO ACCOUNT FOR ALL APPLICABLE MOVEMENT AFTER INSTALLATION.
2. VERIFY THE FOLLOWING INFORMATION WITH THE MANUFACTURER'S TECHNICAL REPRESENTATIVE AND SUBMIT THE SHOP DRAWINGS PRIOR TO ORDERING MATERIAL: JOINT SELECTED, FIELD MEASUREMENT, DATE TAKEN, OUTDOOR TEMPERATURE & STRUCTURE TEMPERATURE (TOP & BOTTOM).
3. REMOVE EXISTING JOINT & PREP JOINT SUBSTRATE AS REQUIRED PER MANUFACTURER'S REQUIREMENTS.
4. PROVIDE SPLICES PER TYPICAL EXPANSION JOINT SPLICE DETAIL & MANUFACTURER'S REQUIREMENTS, AS REQ'D. SEE TYPICAL EXPANSION JOINT SPLICE DETAIL FOR ADDITIONAL INFORMATION.

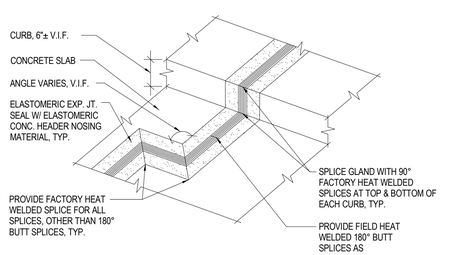
10 SR4.4 REPAIR TYPE EJC – COMPRESSIBLE EXPANSION JOINT REPLACEMENT DETAIL
1" = 1'-0"



REPAIR PROCEDURE:

1. SEE REPAIR DETAIL GENERAL NOTES FOR TYPICAL CONCRETE REPAIR PROCEDURES.
2. FOR REPAIR CAVITIES 4" OR MORE, PROVIDE #4 ADHESIVE DOWEL BARS WITH 135° HOOKS IN BETWEEN STIRRUPS @ 6" O.C. MAX.
3. FOR REPAIR TYPE EJB1, ASSUME A = 3 1/2" & B = 2" (UNIT OF REPAIR = LF). AN EPOXY-SAND PATCHING MATERIAL SHOULD BE USED.
4. FOR REPAIR TYPE EJB2, ASSUME A = 6" & B = 4" (UNIT OF REPAIR = LF). INCLUDE THE COST OF THE ADHESIVE DOWELS IN THE UNIT COST.

11 SR4.4 REPAIR TYPE EJB1 & EJB2 – EXPANSION JOINT BLOCKOUT REPAIR DETAIL
1" = 1'-0"



12 SR4.4 TYPICAL EXPANSION JOINT SPLICE DETAIL
1" = 1'-0"

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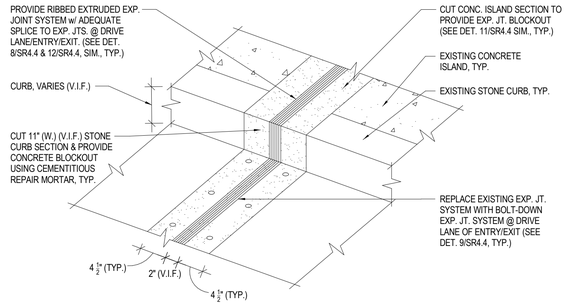
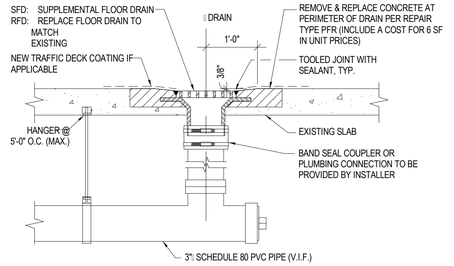
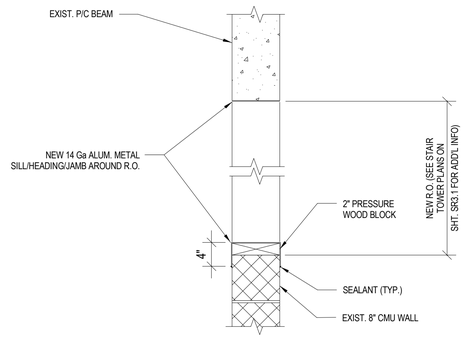


1 SR4.5 EXPANSION JOINT REPLACEMENT @ ISLAND DETAIL
1" = 1'-0"

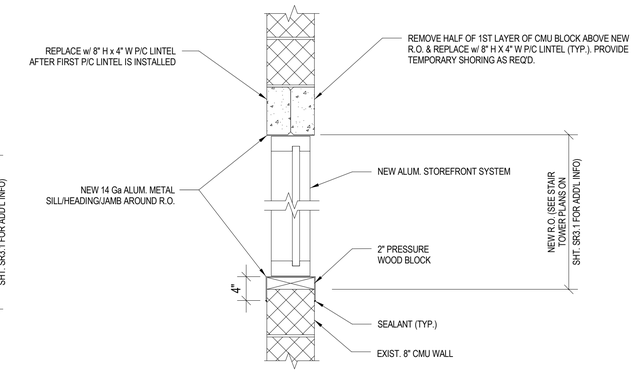


REPAIR PROCEDURE:
1. GRIND & SMOOTH HIGH SURFACE AREA TO OBTAIN POSITIVE SLOPE FOR DRAINAGE (MIN. 1/4" PER FT.).
2. PROVIDE 1/8" PER FT. MIN. PITCH & CONNECT TO EXISTING DRAIN LINE. RUN PIPE ADJACENT TO BEAM AND MAINTAIN HEADROOM CLEARANCE AT DRIVE LANES. PROVIDE ELBOWS, CLEANOUTS & OTHER CONNECTIONS AS REQUIRED TO ROUTE PIPE TO EXISTING DRAIN LINE & MEET CODE REQUIREMENTS. RUN PIPE AS HIGH AS POSSIBLE AT PARKING SPACES TO MINIMIZE PROJECTIONS BELOW STRUCTURE. RUN PIPE TIGHT TO COLUMNS OR WALLS IF POSSIBLE. PROVIDE AN ALLOWANCE OF 20 LF OF PIPING PER INSTALLED DRAIN FOR BIDDING PURPOSES, U.N.O. ON PLAN.
3. LOCATE REINFORCING, CONDUIT, AND OTHER OBSTRUCTIONS PRIOR TO PUNCHING THROUGH SLAB.
4. DO NOT DAMAGE EXISTING EMBEDDED MATERIAL AND NOTIFY ENGINEER PRIOR TO REMOVING ANY REINFORCING.
5. INSTALL WATTS DRAINAGE FD-900 EPOXY COATED CAST IRON PARKING DECK DRAIN OR EQUAL.
6. AT REPAIR TYPE SFD, DRAIN LOCATION TO BE DETERMINED IN THE FIELD BASED ON ACTUAL WATER PONDING AT LOW SPOTS.

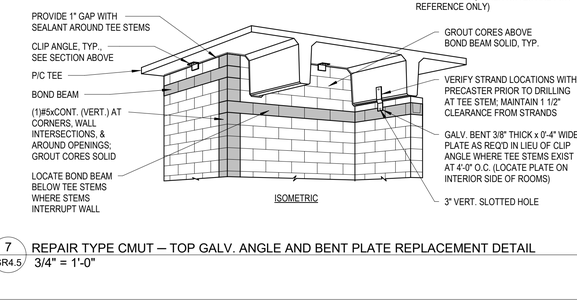
2 SR4.5 REPAIR TYPE SFD & RFD – SUPPLEMENTAL & REPLACEMENT FLOOR DRAIN
1" = 1'-0"



3 SR4.5 CMU WALL ROUGH OPENING DETAIL (@ EAST & WEST WALLS OF STAIR #3 & #4)
1" = 1'-0"



4 SR4.5 / 4A SR4.5 CMU WALL ROUGH OPENING DETAIL (@ SOUTH WALLS OF STAIR #2 & #4 AT TOP TIER & EAST WALL OF STAIR #2 AT TOP TIER)
1" = 1'-0"



5 SR4.5 CMU WALL ROUGH OPENING DETAIL (@ SOUTH WALLS OF STAIR #2, #3 & #4)
1" = 1'-0"

MASONRY WALL NOTES:
1. SEE "CONCRETE MASONRY" ON SHEET GS001 FOR WALL REINFORCEMENT.
2. SEE ARCH. DRAWINGS FOR BLOCK THICKNESS AND FINISH. ASSUME 8" SCORED SMOOTH FACED C.M.U. BLOCKS, U.N.O.
3. WALL TO EXTEND TO OVERHEAD SURFACE ABOVE, U.N.O.
4. MINIMUM GAP SIZE SHALL BE PROVIDED AS THE FINAL COMPLETED CONDITION (AFTER C.I.P. WASH / POURSTRIPS ARE COMPLETED).
5. INSTALL GALV. BENT PLATES @4'-0" O.C. AS REQUIRED. (OTHER NOTES ARE FOR REFERENCE ONLY)

7 SR4.5 REPAIR TYPE CMUT – TOP GALV. ANGLE AND BENT PLATE REPLACEMENT DETAIL
3/4" = 1'-0"

NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITION AND TO PROVIDE REQUIRED TEMPORARY SHORING AND BRACING AS REQ'S PRIOR TO COMMENCING THE REMOVAL OF CMU WALLS.
2. PRACTICE PROPER MEASURES FOR CUTTING / REMOVING OF CMU WALLS, GROUTING, AND INSERTING REBAR INTO EXISTING CMU CELLS AND RE-INSTALLING UTILITIES AND FIXTURES TO PREVENT DAMAGE TO THE EXISTING CONDITION.
3. WHEN EXIST. WALLS/UTILITIES ARE DAMAGED BY CONSTRUCTION ACTIVITIES, REPLACE & REPAIR DAMAGED ITEMS TO MATCH EXISTING CONDITION.

6 SR4.5 CMU WALL ROUGH OPENING DETAIL (ELEVATION)
1" = 1'-0"

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BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

NORTH

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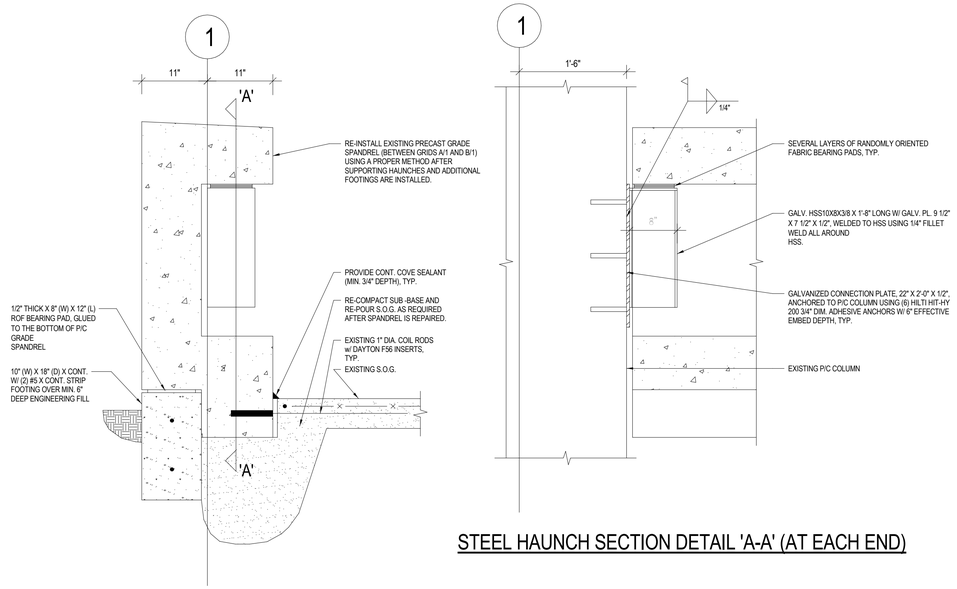
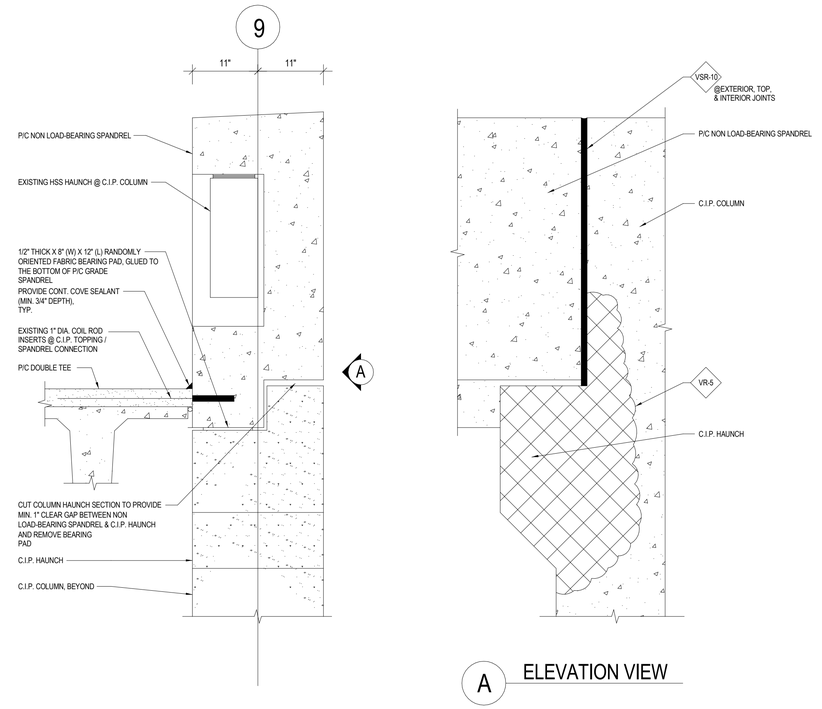
SHEET TITLE:
REPAIR DETAILS

SHEET NO.
SR4.5



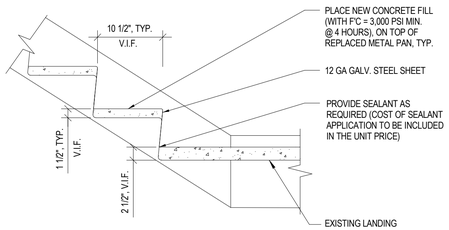
STEEL HAUNCH SECTION DETAIL 'A-A' (AT EACH END)

1 SR4.6 REPAIR TYPE GSPL – P/C GRADE SPANDREL REPAIR DETAIL
1" = 1'-0"



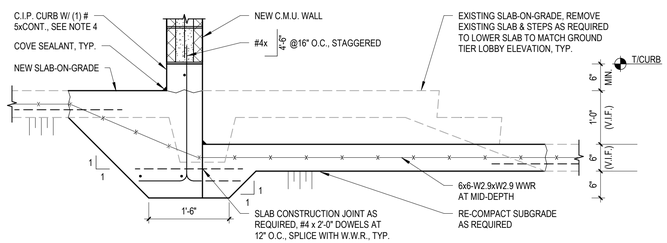
A ELEVATION VIEW

2 SR4.6 REPAIR TYPE SPL BRG – P/C NON LOAD-BEARING SPANDREL / COLUMN REPAIR DETAIL (AT TOP TIER, GRID D/9)
1" = 1'-0"



NOTES:
1. ALL STEEL HARDWARE TO BE GALV. AND PAINTED (COLOR TO MATCH EXISTING).
2. CONNECTION SHOWN IS FOR CONCEPT ONLY. FABRICATOR TO PERFORMANCE DESIGN AND PROVIDE CONNECTION AS REQUIRED TO MEET ALL DESIGN CRITERIA.
3. FABRICATOR TO COORDINATE THE LOCATION OF CONNECTION AND ANGLE SIZE.
4. ALL DIMENSIONS TO BE VERIFIED IN FIELD.
5. UNIT OF METAL PAN STAIR REPAIR TO BE PER EACH.

3 SR4.6 REPAIR TYPE MPS – METAL PAN STAIR REPAIR AND CONNECTION DETAIL
1" = 1'-0"



NOTES:
1. SEE "CONCRETE MASONRY" ON SHEET S0.1 FOR WALL REINFORCEMENT.
2. SEE ARCH. DRAWINGS FOR BLOCK THICKNESS AND FINISH. ASSUME 8" SCORED SMOOTH FACED C.M.U. BLOCKS, U.N.O.
3. GROUT CORES 2'-8" HIGH FROM BOTTOM OF HIGHEST FINISHED FLOOR ELEVATION WHERE SUBJECT TO VEHICULAR IMPACT.
4. DELETE C.I.P. CURB IF UPPER PORTION OF SLAB IS LEVEL.

4 SR4.6 REPAIR TYPE CMUB – BOTTOM OF C.M.U. WALL AT S.O.G. STEP DETAIL
3/4" = 1'-0"

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SHEET TITLE:
REPAIR DETAILS

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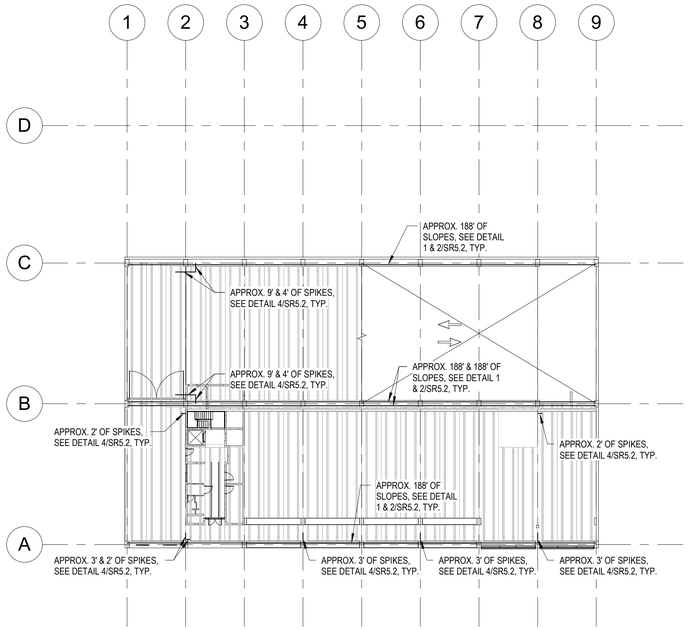
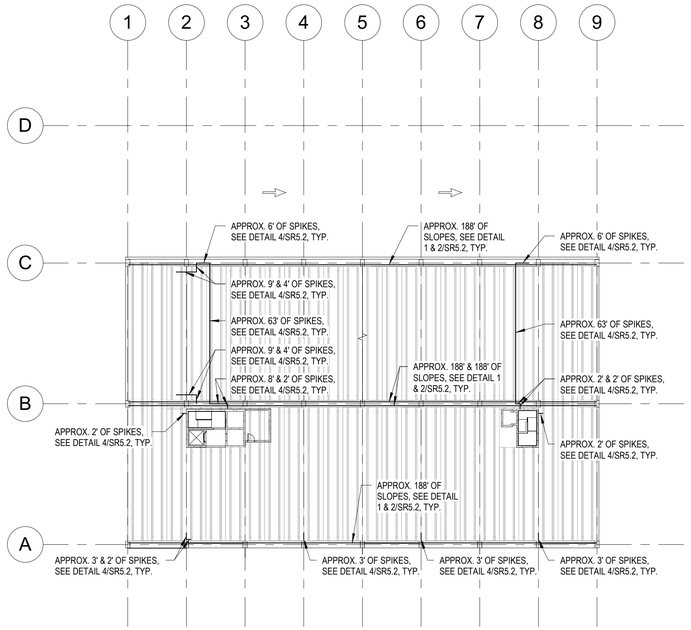
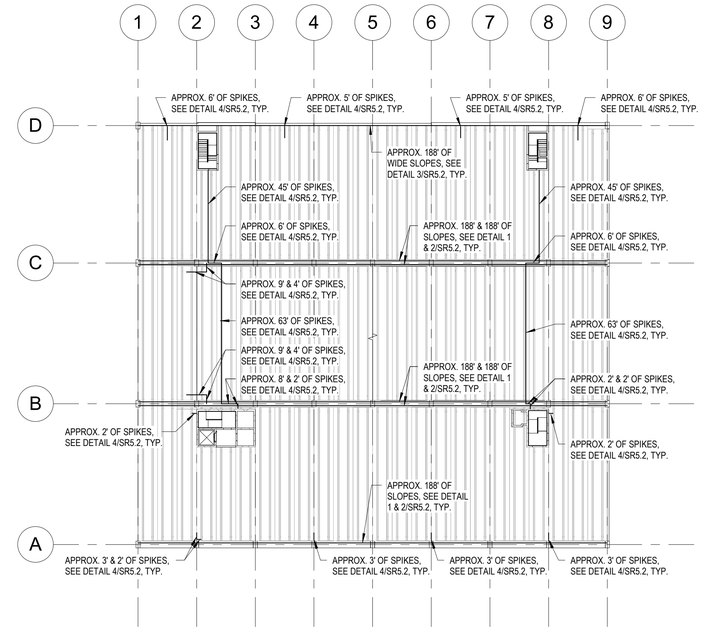


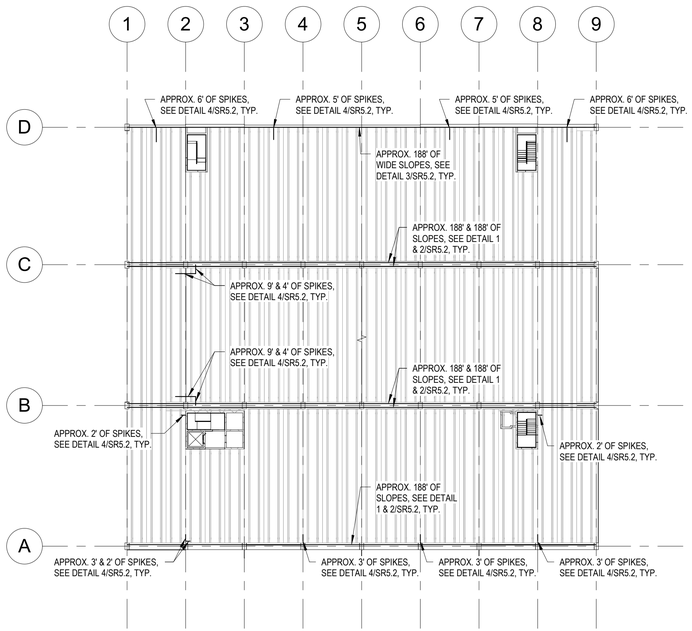
5 SR5.1 SECOND TIER SOFFIT PLAN
1/32" = 1'-0"



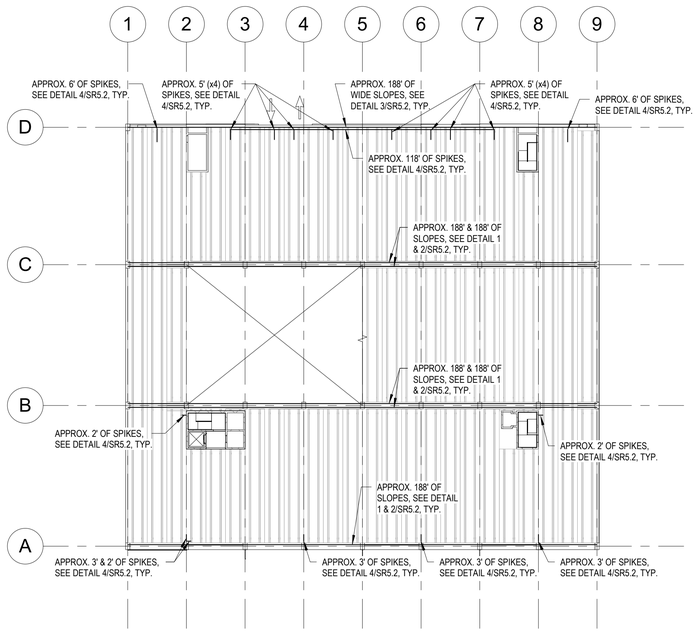
2 SR5.1 THIRD TIER SOFFIT PLAN
1/32" = 1'-0"



1 SR5.1 FOURTH TIER SOFFIT PLAN
1/32" = 1'-0"



3 SR5.1 FIFTH TIER SOFFIT PLAN
1/32" = 1'-0"



4 SR5.1 TOP TIER SOFFIT PLAN
1/32" = 1'-0"

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NORTH

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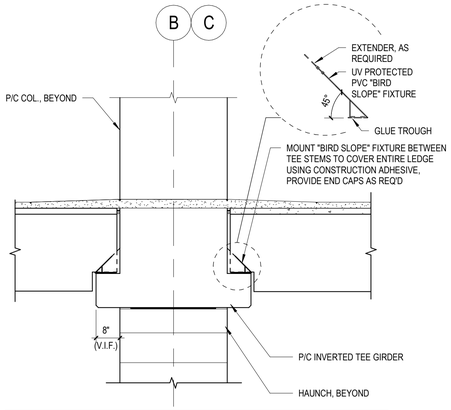
SHEET TITLE:

BIRD CONTROL - SOFFIT PLANS

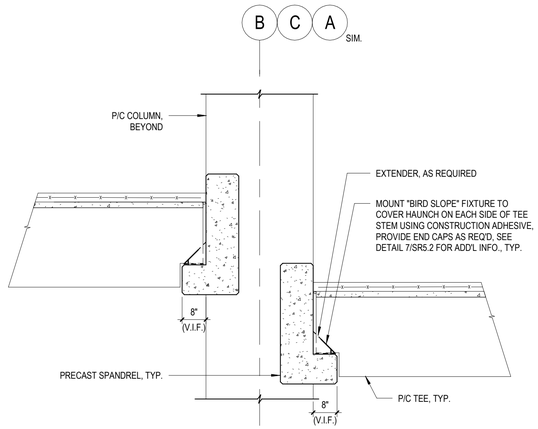
SHEET NO.

SR5.1

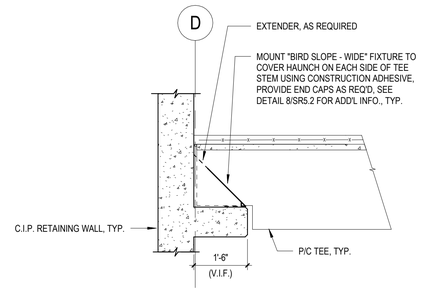


NOTES:
1. PROVIDE 2'-0" +-(VIF) L. "BIRD SLOPE" FIXTURE BETWEEN FIRST TEE STEM AND COLUMNS.
2. PROVIDE 3'-9" +- (VIF) L. "BIRD SLOPE" FIXTURE BETWEEN TYPICAL TEE STEMS. REFER TO DETAIL 9/SR5.2 FOR TYPICAL DOUBLE TEE SECTION FOR REFERENCE.
3. PROVIDE END CAPS AT "BIRD SLOPE" FIXTURES AS REQUIRED. SEE DETAIL 6/SR5.2 FOR ADDITIONAL INFO, TYP.
4. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. "BIRD SLOPE" BY BIRD-B-GONE USED AS BASIS OF DESIGN.

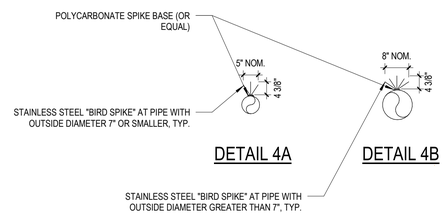
1 SR5.2 TEE/GIRDER/COLUMN DETAIL
1/2" = 1'-0"



2 SR5.2 SPANDREL BEAM SECTION DETAIL
1/2" = 1'-0"



3 SR5.2 RETAINING WALL SECTION DETAIL
1/2" = 1'-0"



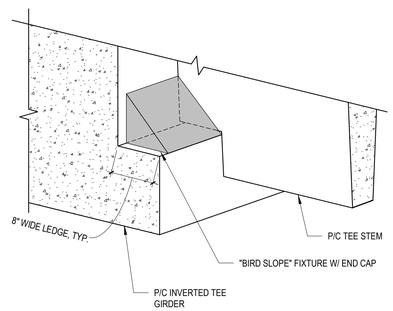
NOTES:
1. WHERE PIPE IS COVERED BY INSULATION DO NOT USE TY-WRAPS. USE ONLY CONSTRUCTION ADHESIVE IN ORDER TO PROTECT THE INSULATION.
2. PROVIDE "BIRD SPIKE" SYSTEM ON DRY STAND PIPES, PLUMBING PIPES, COLD WATER RISERS, DUCTWORK, ETC. USING PROPER ADHESIVE MEASURES (TY-WRAPS, CONSTRUCTION GLUE ETC.) AS REQUIRED PER PLANS

4 SR5.2 PIPE DETAIL
1/2" = 1'-0"

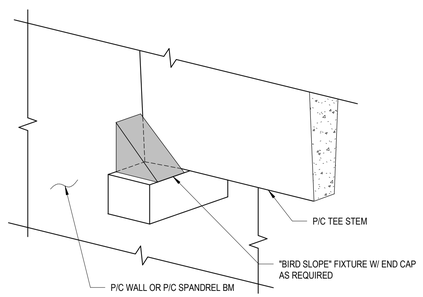
BIRD CONTROL APPROXIMATE QUANTITIES					
	"BIRD SPIKE" (LF)	"BIRD SLOPE" (LF)	"BIRD SLOPE - WIDE" (LF)	# OF END CAPS	# OF END CAPS - WIDE
2ND TIER	41	752	0	10	0
3RD TIER	192	752	0	10	0
4TH TIER	296	940	188	10	8
5TH TIER	53	940	188	10	8
TOP TIER	198	940	188	10	8
TOTAL	780	4324	564	50	24
REPAIR TYPE	BCS1	BCS2	BCS3	BCS4	BCS5

NOTES:
1. FIELD SURVEY AND MEASURE THE CONDITION OF STRUCTURE WHERE BIRD CONTROL SYSTEM SHALL BE APPLIED PRIOR TO SUBMITTING THE FABRICATION/SHOP DRAWINGS.

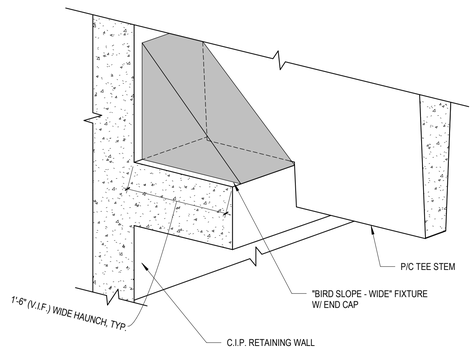
5 SR5.2 BID QUANTITY TABLE
1/2" = 1'-0"



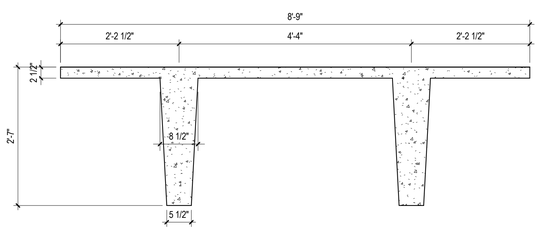
6 SR5.2 ISOMETRIC DETAIL OF "BIRD SLOPE" FIXTURE @ IT GIRDER
1 1/2" = 1'-0"



7 SR5.2 ISOMETRIC DETAIL OF "BIRD SLOPE" FIXTURE @ WALL/SPANDREL
1 1/2" = 1'-0"



8 SR5.2 ISOMETRIC DETAIL OF "BIRD SLOPE - WIDE" FIXTURE @ RETAINING WALL
1 1/2" = 1'-0"



9 SR5.2 TYPICAL DOUBLE TEE SECTION DETAIL (FOR REFERENCE)
3/4" = 1'-0"

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SHEET TITLE:
BIRD CONTROL - DETAILS

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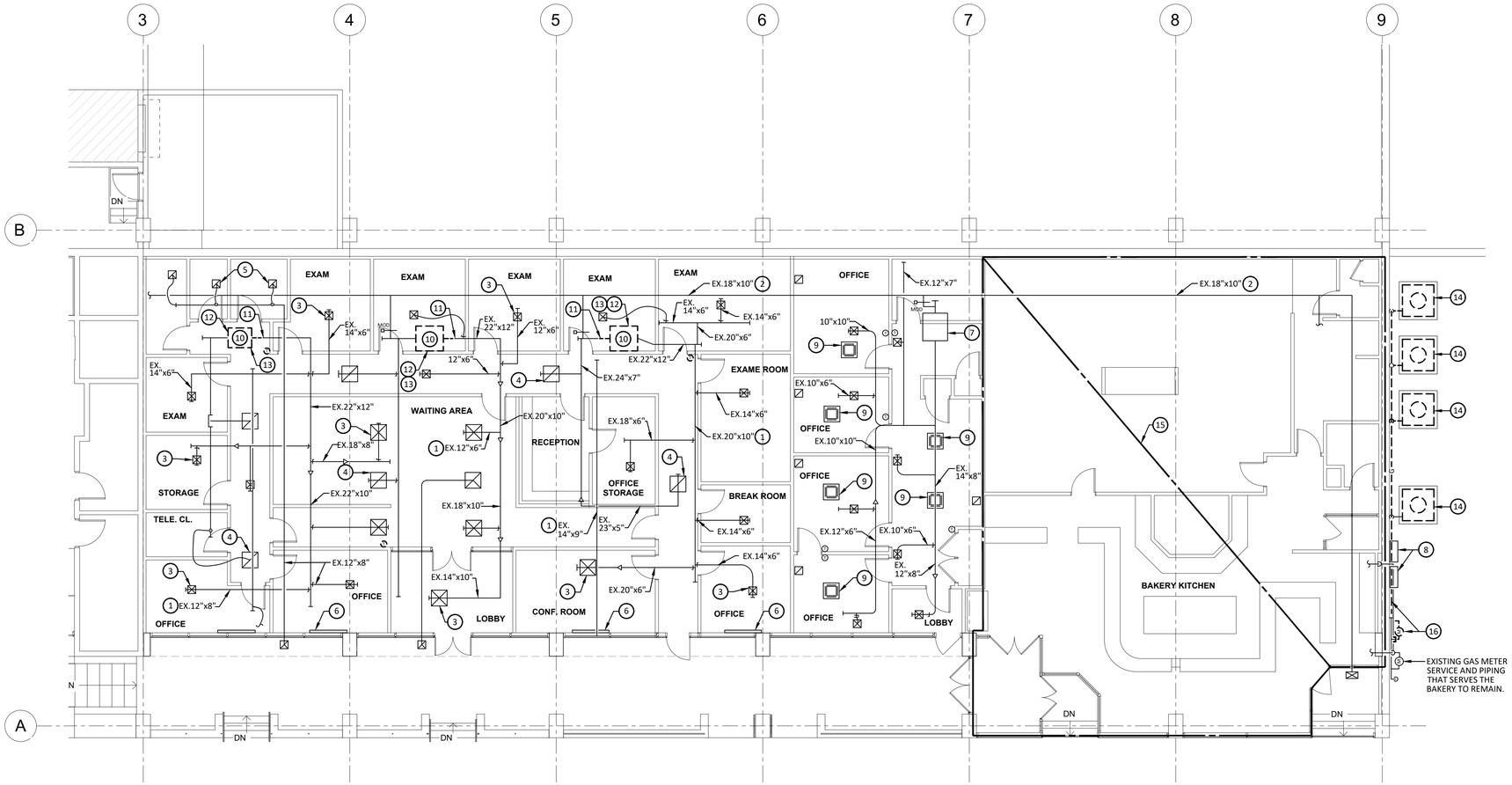
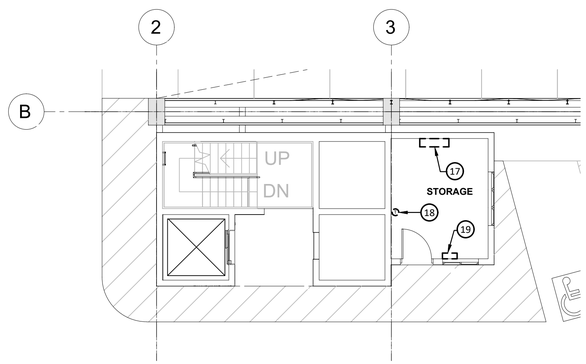


1 M1.1 GROUND FLOOR PLAN - EXISTING CONDITIONS/DEMOLITION (HVAC)

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



2 M1.1 TIER 2 FLOOR PLAN - EXISTING CONDITIONS/DEMOLITION (HVAC)

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

DRAWING NOTES

1. EXISTING DUCTWORK ABOVE CEILING TO REMAIN (TYPICAL).
2. EXISTING OUTSIDE AIR DUCTWORK ABOVE CEILING TO REMAIN (TYPICAL).
3. EXISTING SUPPLY AIR DIFFUSER TO REMAIN. MAINTAIN EXISTING AIRFLOW (TYPICAL).
4. EXISTING RETURN AIR GRILLE TO REMAIN. MAINTAIN EXISTING AIRFLOW (TYPICAL).
5. EXISTING CEILING MOUNTED EXHAUST FAN TO REMAIN, ALONG WITH ASSOCIATED EXHAUST AIR DUCTWORK (TYPICAL).
6. EXISTING ELECTRIC BASEBOARD TO REMAIN (TYPICAL).
7. EXISTING AIR HANDLING UNIT AND ASSOCIATED DUCTWORK TO REMAIN.
8. EXISTING OUTDOOR HEAT PUMP UNIT MOUNTED WALL TO REMAIN.
9. EXISTING CEILING MOUNTED CASSETTE AIR HANDLING UNIT TO REMAIN, ALONG WITH EXISTING CONTROLS (TYPICAL).
10. REMOVE EXISTING CEILING MOUNTED AIR HANDING UNIT AS INDICATED, ALONG WITH EXISTING CONTROLS.
11. REMOVE EXISTING SUPPLY AND/OR RETURN AIR DUCTWORK BACK TO POINT INDICATED TO ACCOMMODATE NEW INSTALL AS NEEDED.
12. CONTRACTOR TO FIELD VERIFY/LOCATE EXISTING CHILLED/HEATING WATER SUPPLY AND RETURN PIPING ASSOCIATED WITH THE EXISTING AIR HANDLING UNITS AND REMOVE IN IT'S ENTIRETY.
13. CONTRACTOR TO FIELD VERIFY/LOCATE EXISTING CONDENSATE AND DISCONNECT FROM EXISTING AIR HANDLING UNIT AND MAINTAIN EXISTING CONNECTION FOR REUSE.
14. REMOVE EXISTING OUTDOOR CHILLER/BOILER UNIT, ALONG WITH ALL ASSOCIATED CHILLED/ HEATING WATER SUPPLY AND RETURN PIPING THROUGHOUT (TYPICAL).
15. AREA NOT IN CONTRACT.
16. REMOVE EXISTING GAS METER, ALONG WITH ALL EXISTING GAS PIPING MOUNTED ON WALL THAT SERVES OUTDOOR FURNACES AS INDICATED. COORDINATE THE REMOVAL OF THE GAS METER WITH LOCAL GAS COMPANY. PRIOR TO REMOVAL CONTRACTOR TO FIELD VERIFY THE GAS METER SOLELY SERVES THE OUTDOOR FURNACE AND NOT THE BAKERY.
17. REMOVE EXISTING DUCTLESS SPILT AIR HANDLING UNIT MOUNTED ON WALL. CONTRACTOR TO FIELD VERIFY/LOCATE EXISTING ASSOCIATED OUTDOOR UNIT, ALONG WITH ALL REFRIGERANT PIPING AND REMOVE AS WELL.
18. REMOVE EXISTING THERMOSTAT.
19. CONTRACTOR TO FIELD VERIFY/LOCATE EXISTING UNIT HEATER AND REMOVE.

SYMBOLS LIST

☒	SUPPLY AIR	F-1	EXHAUST FAN
☒	RETURN AIR	TYP.	TYPICAL
AHU-1	AIR HANDLING UNIT	(1)	DRAWING NOTE
HPU-1	HEAT PUMP UNIT	⊘	FLOOR DRAIN
→+←	DIRECTION OF AIR FLOW	FD	FLOOR DRAIN
T	THERMOSTAT	CD	CONDENSATE DRAIN
EX.	EXISTING		CONNECT TO EXISTING

GENERAL NOTES (HVAC)

1. ALL ITEMS INDICATED BOLD SHALL BE CONSIDERED NEW UNLESS OTHERWISE NOTED.
2. ALL MANUFACTURES SHALL BE EQUAL TO THOSE INDICATED.
3. ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS.
4. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH ALL APPLICABLE MUNICIPAL, STATE, AND COUNTY CITY CODES.
5. ALL REFRIGERANT PIPING TO BE INSULATED WITH 1/2" ARMAFLEX THROUGHOUT.
6. MECHANICAL CONTRACTOR IS TO FIELD VERIFY AND INSTALL ALL REFRIGERANT PIPING IS TO BE SIZED, TRAPPED/INSTALLED PER MANUFACTURER'S RECOMMEDATIONS.
7. MECHANICAL CONTRACTOR TO FIELD VERIFY AND EXTEND THE CONDENSATE DRAIN LINES FROM EACH AIR HANDLING (TRAP AT THE UNIT'S CONNECTION), BY GRAVITY AND/OR PUMPED, TO EXISTING DRAIN LINES IN PLACE.
8. CONTRACTOR TO TAKE TRAVERSE READINGS FROM THE EXISTING SUPPLY AIRFLOWS AT EACH AIR DEVICE AND UTILIZE THOSE READINGS TO PROPORTIONAL REBALANCE THE NEW AIRFLOWS FOR THE NEW AIR HANDLING UNITS' TOTAL CFMS AS NEEDED.

NOTICE TO CONTRACTORS

ALL CONTRACTORS PRIOR TO BID SUBMISSION PROCESS SHALL VISIT PROPOSED WORK SITE AND FIELD VERIFY ALL EXISTING CONDITIONS. ANY CONDITIONS THAT DIFFER FROM THAT SHOWN ON THIS PLAN SHALL BE REPORTED TO ARCHITECT/ENGINEER SO THAT NEW AND REVISED BID DRAWINGS OR INFORMATION MAY BE ISSUED. MODIFICATIONS TO SCOPE OF WORK WHICH RESULTS FROM CONTRACTORS NEGLECT TO VISIT THE SITE PRIOR TO SUBMITTING BID, SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY.

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BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

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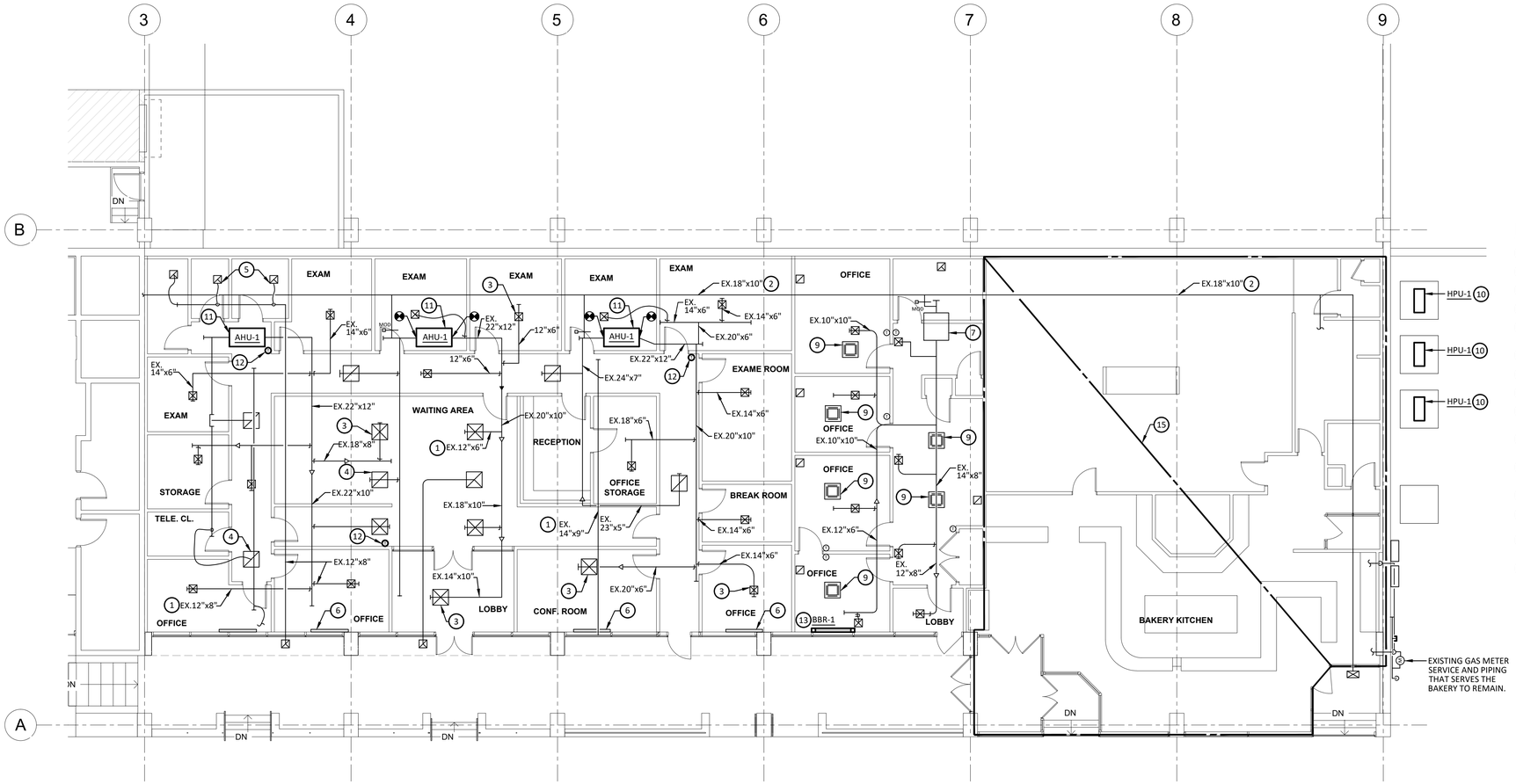
REVIEWED: EE
DATE: 04/11/2022

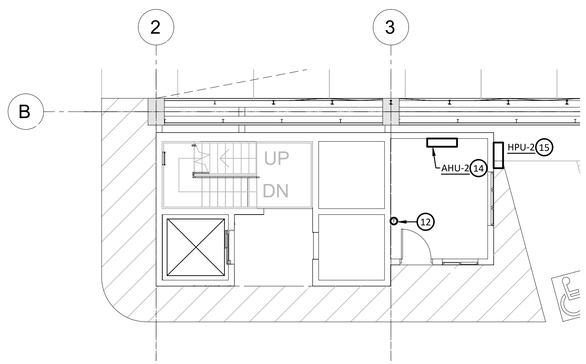
NORTH

SHEET TITLE:
GROUND TIER FLOOR PLAN - EXISTING CONDITIONS/ DEMOLITION (HVAC)

SHEET NO.
DM1.1



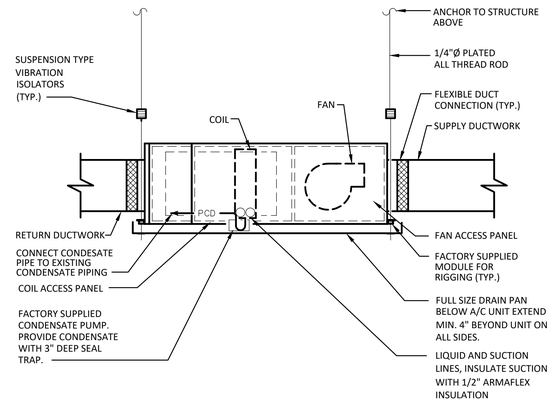
1 M1.1 GROUND FLOOR PLAN - EXISTING CONDITIONS/NEW WORK (HVAC)
SCALE: 1/8"=1'-0"



2 M1.1 TIER 2 FLOOR PLAN - EXISTING CONDITIONS/NEW WORK (HVAC)
SCALE: 1/8"=1'-0"

DRAWING NOTES

1. EXISTING DUCTWORK ABOVE CEILING TO REMAIN (TYPICAL).
2. EXISTING OUTSIDE AIR DUCTWORK ABOVE CEILING TO REMAIN (TYPICAL).
3. EXISTING SUPPLY AIR DIFFUSER TO REMAIN. MAINTAIN EXISTING AIRFLOW (TYPICAL).
4. EXISTING RETURN AIR GRILLE TO REMAIN. MAINTAIN EXISTING AIRFLOW (TYPICAL).
5. EXISTING CEILING MOUNTED EXHAUST FAN TO REMAIN, ALONG WITH ASSOCIATED EXHAUST AIR DUCTWORK (TYPICAL).
6. EXISTING ELECTRIC BASEBOARD TO REMAIN (TYPICAL).
7. EXISTING AIR HANDLING UNIT AND ASSOCIATED DUCTWORK TO REMAIN.
8. EXISTING OUTDOOR HEAT PUMP UNIT MOUNTED WALL TO REMAIN.
9. EXISTING CEILING MOUNTED CASSETTE AIR HANDLING UNIT TO REMAIN, ALONG WITH EXISTING CONTROLS (TYPICAL).
10. OUTDOOR HEAT PUMP UNIT MOUNTED ON EXISTING CONCRETE PAD. REFER TO SHEET M2.1 FOR SIZE AND CAPACITY (TYPICAL).
11. AIR HANDLING UNIT SUPPORTED ABOVE CEILING. REFER TO SHEET M2.1 FOR SIZE AND CAPACITY AND DETAIL FOR INSTALL (TYPICAL).
12. THERMOSTAT TO BE MOUNTED 48" ABOVE FINISHED FLOOR TO SERVE NEW AIR HANDLING UNIT.
13. ELECTRIC BASEBOARD HEATER WITH INTEGRAL THERMOSTAT. REFER TO SHEET M2.1 FOR SIZE AND CAPACITY.
14. AIR HANDLING UNIT MOUNTED ON WALL ±90 ABOVE FINISHED FLOOR. REFER TO SHEET M2.1 FOR SIZE AND CAPACITY.
15. OUTDOOR HEAT PUMP UNIT MOUNTED ON WALL WITH FACTORY OPTION WALL HANGER ±60" ABOVE GARAGE FLOOR. REFER TO SHEET M2.1 FOR SIZE AND CAPACITY.



3 M2.1 HORIZONTAL AIR HANDLING UNIT MOUNTING DETAIL
NO SCALE
NOTE:
1. SUPPLY AND RETURN EXISTING DUCTWORK TO UNIT MOUNTED ABOVE CEILING. TRANSITION NEW DUCTWORK AS REQUIRED TO UNIT'S CONNECTIONS. PROVIDE FLEXIBLE CONNECTION AT DUCTWORK CONNECTION TO UNIT.

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PROJECT NO.
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PROJECT

Yonkers GCG Restoration

PARKING GARAGE

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SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

DRAWN: DI
REVIEWED: EE
DATE: 04/11/2022

NORTH

SHEET TITLE:
GROUND TIER FLOOR PLAN - EXISTING CONDITIONS/ NEW WORK (HVAC)

SHEET NO.
M1.1

HEAT PUMP SPLIT SYSTEM AIR HANDLING UNIT SCHEDULE

ITEM#	AREA SERVED	FAN DATA					COOLING DATA			HEAT PUMP HEATING DATA				ELECTRICAL DATA		ELECTRIC SERVICE INDOOR UNIT		ELECTRIC SERVICE OUTDOOR UNIT		WEIGHT (LBS.)		MODEL #		MANUFACTURER
		C.F.M.	E.S.P.	H.P.	R.P.M.	C.F.M. O.A.	TOTAL BTU/HR	SENSIBLE BTU/HR	SEER	HI-TEMP. HEAT 47 O.A.T. BTU/HR.	HI-TEMP. HEAT 47 O.A.T. K.W.	LOW-TEMP. HEAT 17 O.A.T. BTU/HR.	LOW-TEMP. HEAT 17 O.A.T. K.W.	OUTDOOR UNIT	INDOOR UNIT	MCA	MOP	MCA	MOP	INDOOR UNIT	OUTDOOR UNIT	INDOOR UNIT	OUTDOOR UNIT	INDOOR/OUTDOOR
AHU-1/ HP-1	VA MEDICAL CENTER	1,400	.65"	-	MED.	280	48,000	36,100	14	54,000	2.76	54,000	-	208v/1Ø/60hz	208v/1Ø/60hz	3.4	15	29.1	35	105	225	FBQ48PVJU	RZQ48TAVJUA	DAIKIN/DAIKIN
AHU-2/ HP-2	STORAGE ROOM 2nd TIER	380	.20"	-	MED.	-	4,400-13,300	9,000	19	13,500	-	8,600	-	208v/1Ø/60hz	-	-	-	8.7	15	25	65	FTX12AXVJU	RX12AXVJU	DAIKIN/DAIKIN

NOTES:

1. AIR COOLED HEAT PUMP UNITS TO BE PROVIDED WITH LOW AMBIENT CONTROLS DOWN TO 0° F, TXV (THERMAL EXPANSION VALVES) AND FACTORY SUPPLIED WALL MOUNTED PROGRAMABLE THERMOSTAT.
2. ALL REFRIGERANT PIPING TO BE SIZED AND INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
3. AIR HANDLING UNITS TO BE PROVIDED WITH FACTORY OPTION CONDENSATE PUMP (HARD WIRED THRU UNIT) TO BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
4. AIR HANDLING UNIT (AHU-1) TO BE PROVIDED WITH BUILT-IN CONDENSATE PUMP.
5. AIR COOLED DUCTLESS SPLIT HEAT PUMP OUTDOOR UNIT (HPU-2) WILL HAVE A SINGLE POINT POWER CONNECTION.

MISCELLANEOUS ELECTRIC HEATING SCHEDULE

ITEM#	AREA SERVED	HEATER TYPE	HTG. ACTIVE LENGTH	K.W.	BTU/HR	ELEC. DATA	STEPS OF CONTROL	CONTROL	MANUFACTURER/ MODEL #	NOTES
BBR-1	ELEVATOR LOBBY& STAIRS	ELECTRIC BASEBOARD RADIATION	5-0"	1.2	3,413	208v-1Ø	1	INTEGRAL THERMOSTAT	DESIGN ARCHITECTURAL/ SBST	1, 2, 3, 4, 5

NOTES:

1. ALL EQUIPMENT SHALL BE AS SCHEDULED OR EQUAL.
2. ELECTRIC BASEBOARD HEATER TO HAVE 250 W PER LF (ACTIVE SECTION), BOTTOM INTAKE / SLOPED TO DISCHARGE, FINISH TO BE SELECTED BY ARCHITECT, END CAPS 6" ADDITIONAL FOR CONTROL SECTION, AND FUSED DISCONNECT SWITCH.
3. ELECTRICAL BASEBOARD HEATER WITH HAVE 2" HIGH ADJUSTABLE CAST PEDESTALS.
4. ELECTRIC BASEBOARD HEATER WILL HAVE INTEGRAL THERMOSTAT CONTROL.
5. PRIOR TO PURCHASE OF ELECTRIC BASEBOARD HEATERS CONTRACTOR MUST REFER TO ARCHITECT DRAWINGS FOR COLOR SELECTION.

GENERAL NOTES (HVAC)

1. ALL ITEMS INDICATED BOLD SHALL BE CONSIDERED NEW UNLESS OTHERWISE NOTED.
2. ALL MANUFACTURES SHALL BE EQUAL TO THOSE INDICATED.
3. ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS.
4. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH ALL APPLICABLE MUNICIPAL, STATE, AND ORANGE EAST CODES.
5. COORDINATE ALL THERMOSTAT LOCATIONS WITH OWNER AND FINAL PARTITION/FURNITURE LAYOUT.
6. THE CONTRACTOR IS TO REVIEW THE WEIGHTS AND MOUNTING LOCATIONS OF THE NEW HVAC EQUIPMENT WITH A STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
7. ALL REFRIGERANT PIPING TO BE INSULATED WITH 1/2" ARMAFLEX THROUGHOUT.
8. PRIOR TO PURCHASING THE HVAC EQUIPMENT THE MECHANICAL CONTRACTOR MUST COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PROPER POWER SELECTION EACH PIECE OF HVAC EQUIPMENT TO BE INSTALLED.
9. PRIOR TO PURCHASING AND/OR INSTALLING ANY EQUIPMENT, DUCTWORK, ETC. MECHANICAL CONTRACTOR MUST COORDINATE WITH ALL OTHERS TRADES TO AVOID ANY CONFLICTS.
10. DRAWINGS SHALL BE CONSIDERED SCHEMATIC IN NATURE AND SHALL REPRESENT A COMPLETED PROJECT. ACTUAL INSTALLATION AND METHODS OF ACHIEVING A SATISFACTORY AND INTENDED INSTALLATION ARE THE RESPONSIBILITY OF THE CONTRACTOR. LOCATIONS OF EQUIPMENT ARE INTENDED TO SHOW A GENERAL ARRANGEMENT AND INTENDED FUNCTION. COORDINATE WITH ALL CONTRACT DOCUMENTS, OWNER-PROVIDED EQUIPMENT (IF ANY), EQUIPMENT DRAWINGS, ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL CONTRACT DOCUMENTS. COORDINATE WITH OTHER TRADES. AS DRAWINGS ARE SCHEMATIC IN NATURE, DO NOT SCALE DRAWINGS. MINOR MODIFICATIONS OF WORK TO COMPLY SHALL BE PROVIDED.
11. MECHANICAL AND PLUMBING CONTRACTOR ARE TO COORDINATE WITH THE GENERAL CONTRACTOR AND PROVIDE/INSTALL ANY FIRE STOP CAULK AS REQUIRED TO PROPERLY MAINTAIN FIRE RATING AT WALL PENETRATION (AROUND FIRE DAMPER AND PIPE PENETRATIONS).
12. ALL REFRIGERANT PIPING IS TO BE SIZED, TRAPPED/INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
13. MECHANICAL CONTRACTOR IS TO FIELD VERIFY AND INSTALL ALL REFRIGERANT PIPING TO BE SIZED, TRAPPED/INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. PRIOR TO INSTALL THE MECHANICAL CONTRACTOR MUST COORDINATE THE REFRIGERANT PIPE RUNS WITH THE GENERAL CONTRACTOR AND ARCHITECT FOR THEIR APPROVAL. THE MECHANICAL CONTRACTOR MUST VERIFY THE HEAT PUMP UNIT EXACT MOUNTING LOCATION AT THE WALL LOCATIONS WITH THE ELECTRICAL CONTRACTOR AND ARCHITECT PRIOR TO THEIR WORK BEGINNING.
14. MECHANICAL CONTRACTOR TO FIELD VERIFY AND EXTEND THE CONDENSATE DRAIN LINES FROM EACH AIR HANDLING (TRAP AT THE UNIT'S CONNECTION), BY GRAVITY AND/OR PUMPED, TO A PROPER DISCHARGE LOCATION. CONDENSATE PUMP NOT SHOWN ON THE DRAWINGS. CONTRACTOR MUST PROVIDE AND INSTALL CONDENSATE PUMP AS REQUIRED. SLOPE AWAY FROM THE AIR HANDLING UNIT. PRIOR TO INSTALL THE MECHANICAL CONTRACTOR IS TO COORDINATE THE CONDENSATE PIPE RUN WITH THE GENERAL CONTRACTOR AND ARCHITECT FOR THEIR APPROVAL. CONDENSATE LINES MUST BE CONCEALED. THE CONDENSATE INSTALLATION AND LAYOUT TO BE DESIGNED BY THE MECHANICAL CONTRACTOR. ALSO PROVIDE THE PROPER INDIVIDUAL CONDENSATE DRAIN PIPE SIZE FOR EACH AIR HANDLING UNIT TONNAGE AND THE OVERALL COLLECTIVE PIPES SIZES (MULTIPLE UNITS SHARING ONE CONDENSATE PIPE).

DUCTLESS SPLIT SYSTEM AHU/HEAT PUMP UNITS

1. DURING PERIODS AS PROGRAMMED ON ASSOCIATED AHU THERMOSTAT, SYSTEM SHALL OPERATE AS FOLLOW:
2. ON A CALL FOR HEATING, IF ALL SAFETIES ARE SENSED, THEN COMPRESSOR SHALL BE ENERGIZED, THE UNITS HEATING CYCLE SHALL RUN UNTIL SETPOINT IS SATISFIED.
3. ON A CALL FOR COOLING, THE UNIT MOUNTED CONTROLS SHALL ENERGIZE OUTDOOR COMPRESSOR (MECHANICAL COOLING) SHALL BE ENERGIZED. THE UNIT COOLING CYCLE SHALL RUN UNTIL SETPOINT IS SATISFIED.

MISCELLANEOUS HEAT

1. ELECTRIC BASEBOARD HEATER SHALL BE CONTROLLED VIA UNIT/FACTORY MOUNTED INTEGRAL THERMOSTAT. HEATER SHALL BE ENERGIZED UPON A CALL FOR HEAT. UPON REACHING SETPOINT HEATER SHALL DE-ENERGIZE. OFFICE SETPOINT HEATER SHALL DE-ENERGIZE. (OFFICE BASEBOARD HEATERS ONLY).

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DRAWN: DI
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NORTH

SHEET TITLE:
SCHEDULES

SHEET NO.
M2.1

GENERAL NOTES:

1. EXISTING EQUIPMENT, AND DEVICES, INDICATED ON PLAN WERE TAKEN FROM EXISTING PLANS AND/OR FIELD OBSERVATION, AND SHALL NOT BE CONSIDERED 100% ACCURATE. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING LOCATIONS OF EXISTING SYSTEMS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES WHICH MAY AFFECT ANY WORK UNDER THIS CONTRACT.

2. CONTRACTOR SHALL FIELD VERIFY EXACT CONDITIONS PRIOR TO ANY DEMOLITION. ELECTRICAL CONTRACTOR SHALL MAINTAIN CONTINUITY OF ADJACENT CIRCUITS TO DEVICES OR EQUIPMENT THAT ARE TO REMAIN DURING CONSTRUCTION. REROUTE CONDUIT AND WIRING AS NECESSARY.

3. UNLESS INDICATED OTHERWISE, DISCONNECT AND REMOVE ALL UNUSED ELECTRICAL DEVICES, TELEPHONE/DATA OUTLETS, AND FIRE ALARM ON MECHANICAL EQUIPMENT ARE BEING REMOVED. REMOVE ALL BRANCH WIRING AND CONDUIT BACK TO SOURCE. REFER TO THE MECANICAL PLANS FOR MECHANICAL EQUIPMENT THAT ARE TO BE REMOVED. FIELD VERIFY EXACT CONDITIONS PRIOR TO ANY DEMOLITION AND MAINTAIN CONTINUITY OF ADJACENT CIRCUITS TO DOWNSTREAM DEVICES/EQUIPMENT THAT REMAIN. REROUTE CONDUIT AND WIRING AS NECESSARY FOR ANY TEMPORARY POWER REQUIREMENTS. REPORT ANY DISCREPANCIES TO THE ENGINEER.

4. DISCONNECTION OF THE ELECTRICAL SERVICES TO THE EQUIPMENT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. UNLESS NOTED OTHERWISE REMOVE ALL BRANCH CIRCUIT WIRING AND FEEDER WIRING AND ACCESSIBLE CONDUIT BACK TO SOURCE. IDENTIFY BRANCH CIRCUIT BREAKERS/SWITCHES MADE SPARE DURING DEMOLITION. VERIFY PANEL AND BRANCH CIRCUIT NUMBERS OF THE CIRCUITS BEING REMOVED. PROVIDED UPDATE PANEL SCHEDULES IDENTIFYING ANY SPARE BREAKERS OR SWITCHES.

5. COORDINATE CUTTING AND PATCHING AS NECESSARY WITH GENERAL CONTRACTOR AND ARCHITECT FOR REQUIRED FLOOR, WALL, AND ROOF OPENINGS.

6. ALL POWER OUTLETS TO REMAIN UNLESS INDICATED OTHERWISE.

7. ALL TELEPHONE/DATA OUTLETS TO REMAIN UNLESS INDICATED OTHERWISE.

8. ALL FIRE ALARM DEVICES TO REMAIN UNLESS INDICATED OTHERWISE.

9. ALL ELECTRICAL PANEL TO REMAIN UNLESS INDICATED OTHERWISE

10. DISCONNECT AND REMOVE ALL EXISTING RACEWAYS AND CONDUCTORS SERVING ALL EXISTING MECHANICAL EQUIPMENT THAT IS TO BE DEMOLISHED BACK TO THE SOURCE UNLESS NOTED OTHERWISE.

11. DUCT SMOKE DETECTORS ARE TO BE INSTALLED IN SUPPLY AND RETURN AIR SYSTEMS WITH A CAPACITY GREATER THAN 2000 CFM. SEE HVAC DRAWINGS) FOR RELATED INFORMATION.

ABBREVIATIONS

A	AMPS
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
EGC	EQUIPMENT GROUNDING CONDUCTOR ELECTRICAL METALLIC TUBING
EX	EXISTING
WPO	EMERGENCY POWER OFF
FLA	FULL LOAD AMPS
GEC	GROUNDING ELECTRODE CONDUCTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSEPOWER
IMC	INTERMEDIATE METAL CONDUIT
KVA	KILOVOLT AMPS
KW	KILOWATT
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEC	NATIONAL ELECTRIC CODE
P	POLE
P ,Φ OR PH	PHASE
PVC	POLYVINYL CHLORIDE
RMC	RIGID METAL CONDUIT
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VOLTAGE
VAV	VARIABLE AIR VOLUME
W	WIRE
W/	WITH
WP	WEATHERPROOF

Lighting Fixture Schedule

Type Mark	Description	MANUFACTURE	MODEL	WATT	Comments
EX	EXISTING FIXTURES TO REMAIN	-	-	-	
L-1	LINEAR WALL WASHER LUMINAIRE 4" LINEAR WALL WASHER	PHILIPS	VAYA MP, RGB	18 WATT / FEET	RATED FOR WET AREA-DMX CONTROLLED LIGHT
L-2	EXTERIOR WALL MOUNT LUMINAIRE	LITHONIA	OLLWU	20	RATED FOR WET AREA
L-3	LINEAR WALL WASHER LUMINAIRE 4"	PHILIPS	VAYA LINEAR MP, WHITE	18 WATT / FEET	RATED FOR WET AREA-DMX CONTROLLED LIGHT
L-4	COVE LIGHTING	VAYA	LP G2	10	
L-5	COMMERCIAL RECESSED LUMINAIRE	DALS	RGR6	20 WATT	RATED FOR WET AREA
L-6	RECESSED LUMINAIRE	DALS	RGR2	8 WATT	
L-7	LED PARKING GARAGE LUMINAIRE	GREE	IG-NM-5S-J-40K -UL-	66 WATT	SIMILAR TO THE EXISTING. CONTRACTOR TO VERIFY THE EXISTING MODEL AND MATCH THE NEW FIXERS WITH THE EXISTING
L-8	STAIRWELL FIXTURES	SYLVANIA	65583	28 WATT	
L-9	FLUSH MOUNT LED CEILING FIXTURE	LITHONIA	FMLWL 48 840	40 WATT	

NOTE:
1. **CONTRACTOR TO PROVIDE LIGHTING CALCULATION AND 3D MODELING OF FACADE LIGHTING FOR ARCH APPROVAL BEFORE PURCHASING THE MATERIALS**
2. **CONFIRM COLOR TEMPERATURE, AND FINISHES. WITH ARCH BEFORE PURCHASING THE MATERIALS**

ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
	DEVICES
$X	SWITCH, SINGLE POLE USE "X" TO DESIGNATE DEVICE. TYPICAL OF MOST SWITCHES 2 = DOUBLE POLE 3 = THREE WAY 4 = FOUR WAY K = KEY OPERATED OS = OCCUPANCY SENSING T = ASTRONOMIC TIMER J = DOOR SWITCH D = DIMMER M = MOTOR SWITCH a = LOWERCASE SUBSCRIPT DESIGNATES CONTROL OF PARTICULAR LOADS
OS	CEILING MOUNTED OCCUPANCY SENSOR
OS	WALL MOUNTED OCCUPANCY SENSOR
DS	DAYLIGHT HARVESTING SENSORS.
PC	PHOTOCELL SENSOR
TI	TIMER
PP	POWER PACK.
	EXIT LIGHT.
	EMERGENCY LIGHT
X	DUPLEX RECEPTACLE USE "X" TO DESIGNATE DEVICE. TYPICAL OF MOST RECEPTACLES GFCI = GFCI RATED CTR = COUNTERTOP WP = WEATHERPROOF (IN-USE COVER WG = WEATHERPROOF & GFCI IG = ISOLATED GROUND +84 = NON-STANDARD MOUNTING HEIGHT NUMBER INDICATES INCHES AFF
X	SINGLE RECEPTACLE
X	DOUBLE DUPLEX RECEPTACLES
X	DUPLEX RECEPTACLE, SPLIT WIRED
X	SPECIAL PURPOSE RECEPTACLE. USE SUBSCRIPT TO IDENTIFY TYPE ON PLANS
	FLOOR MOUNTED RECEPTACLE
	CEILING MOUNTED RECEPTACLE
J	JUNCTION BOX
	220 VCEILING MOUNTED RECEPTACLE
	HIGH VOLTAGE RECEPTACLE
	MOTOR
40/60	FUSIBLE SAFETY SWITCH (NUMBERS INDICATEFUSE/SWITCH SIZES)
60	NON-FUSIBLE SAFETY SWITCH (NUMBER INDICATES SWITCH SIZE)
P-1	ELECTRICAL PANEL

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BID DOCUMENTS
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NO.	DESCRIPTION	DATE

NORTH

DRAWN: MM
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DATE: 22/11/22

SHEET TITLE:

GENERAL NOTE, & LEGEND

SHEET NO.

E000

1 GROUND TIER
3/32" = 1'-0"

LIGHTING GENERAL NOTES:

1. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION AND EXACT LOCATION OF LUMINARIES.
2. COORDINATE FINAL LIGHT FIXTURE LOCATIONS IN MECHANICAL AND ELECTRICAL SPACES WITH EQUIPMENT, DUCTWORK, PIPING, CONDUITS, ETC. FOR BEST POSSIBLE UNIFORMITY.
3. CONFIRM EXACT LOCATION OF ALL LIGHT SWITCHES AND CONTROLS DEVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
4. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROTECTED FROM THE SPREAD OF FIRE WITH AN APPROVED FIRESTOP SYSTEM EQUAL OR GREATER THAN THE FIRE RATING OF THE WALL .
5. RECESSED LIGHTING FIXTURES INSTALLED IN FIRE RATED CEILING ASSEMBLIES SHALL BE FIRE RATED FIXTURES BEARING THE ULC FIRE RATED LABEL.
6. CONDUITS SHALL NOT BE ROUTED ALONG BUILDING EXTERIOR. CONCEAL BY ROUTING ON INTERIOR AND PENETRATE THROUGH WALL AT EACH EXTERIOR FIXTURE LOCATION.
7. FIELD COORDINATE, PRIOR TO CONSTRUCTION, EXACT MOUNTING HEIGHT OF ALL FIXTURES TO AVOID DUCTWORK AND EQUIPMENT.
8. REFER TO DRAWING E000 FOR LUMINAIRE SCHEDULE AND NOTES.
9. REFER TO DRAWING E200, FOR INSTALLATION DETAILS.
10. FOR PANEL BOARD SCHEDULES, SEE SHEETS E700.

LIGHTING DRAWING NOTES:

1. THE NEW LIGHTING FIXTURES TO BE FED AND CONTROLLED BY THE SAME CIRCUIT OF LIGHTING IN THE SAME AREA (CONTRACTOR TO VERIFY) .
2. EXISTING ELECTRICAL PANELS.
3. REFER SHEET E200 FOR LOCATION OF WALL WASHER FIXTURES & INSTALLATION DETAILS.
4. EXISTING TIMER FOR EXTERIOR LIGHTING.
5. NEW WALL WASHER DMX CONTROLLER.
6. REMOVE ALL BRANCH CIRCUIT BREAKERS IN THE EXISTING PANEL (200A 208/120 V WITH 150A MAIN CIRCUIT BREAKER) AND PROVIDE NEW BRANCH BREAKERS ACCORDING TO THE LOAD SCHEDULE IN SHEET E700 CONTRACTOR TO VERIFY ALL ELECTRICAL CIRCUITS AND INFORM THE ENGINEER IF THERE IS ANY LIVE CIRCUIT.
7. REPLACE INACTIVE EXISTING 20A 3P BRANCH CIRCUIT BREAKERS IN CIRCUITS # 10,12,14 WITH 20A 2P CIRCUIT BREAKERS IN CIRCUITS #10,12 FOR THE NEW WALL HEATER. CONTRACTOR TO VERIFY THE CIRCUIT AND INFORM THE ENGINEER IF THERE IS ANY ACTIVE LOAD CONNECTED TO THIS CIRCUIT.
8. 30A 2P ,240V ,NEMA 1 SAFETY DISCONNECT SWITCH .
9. 60A 240V NEMA 3 SAFETY DISCONNECT SWITCH.
10. NEW 1.2 KW 208V,1P ELECTRIC BASEBOARD.
11. RELOCATE THE EXISTING FIRE ALARM EQUIPMENT WITH ALL RELATED CONNECTIONS AND OUTLETS IN THIS LOCATION , REFER TO NOTE 12 FOR THE NEW LOCATION..
12. THE NEW LOCATION FOR FIRE ALARM EQUIPMENT.
13. COORDINATE WITH ARCH TO HIDE ALL EXPOSED CONDUIT, RACEWAY ELECTRICAL, EQUIPMENT IN THE LIFT LOBBY AREA.
14. NEW PANEL 100A208/120V FED FROM SPARE SWITCH REFER TO SHEET E700.
15. REWIRE THE NEW LIGHTING FIXTURE FROM THE EXISTING CIRCUIT L1 #7,911.
16. RELOCATE THE EXISTING PAY STATION WITH ALL RELATED CONNECTIONS AND OUTLETS SUCH AS POWER,DATA , CONTROL AND ANY OTHER REQUIRED ITEM NECESSARY FOR SYSTEM OPERATIONS (REFER TO NOTE NO 17 FOR THE NEW LOCATION).
17. THE NEW LOCATION FOR THE PAY STATION..
18. REPLACE THE EXISTING FIXTURE WITH MENTIONED TYPE USING SAME WIRES AND CONTROL METHODOLOGY.
19. 30A 1P 240V NEMA 3 SIGNAGE DISCONNECT SWITCH

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BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

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REVIEWED: EE
DATE: 04/11/2022

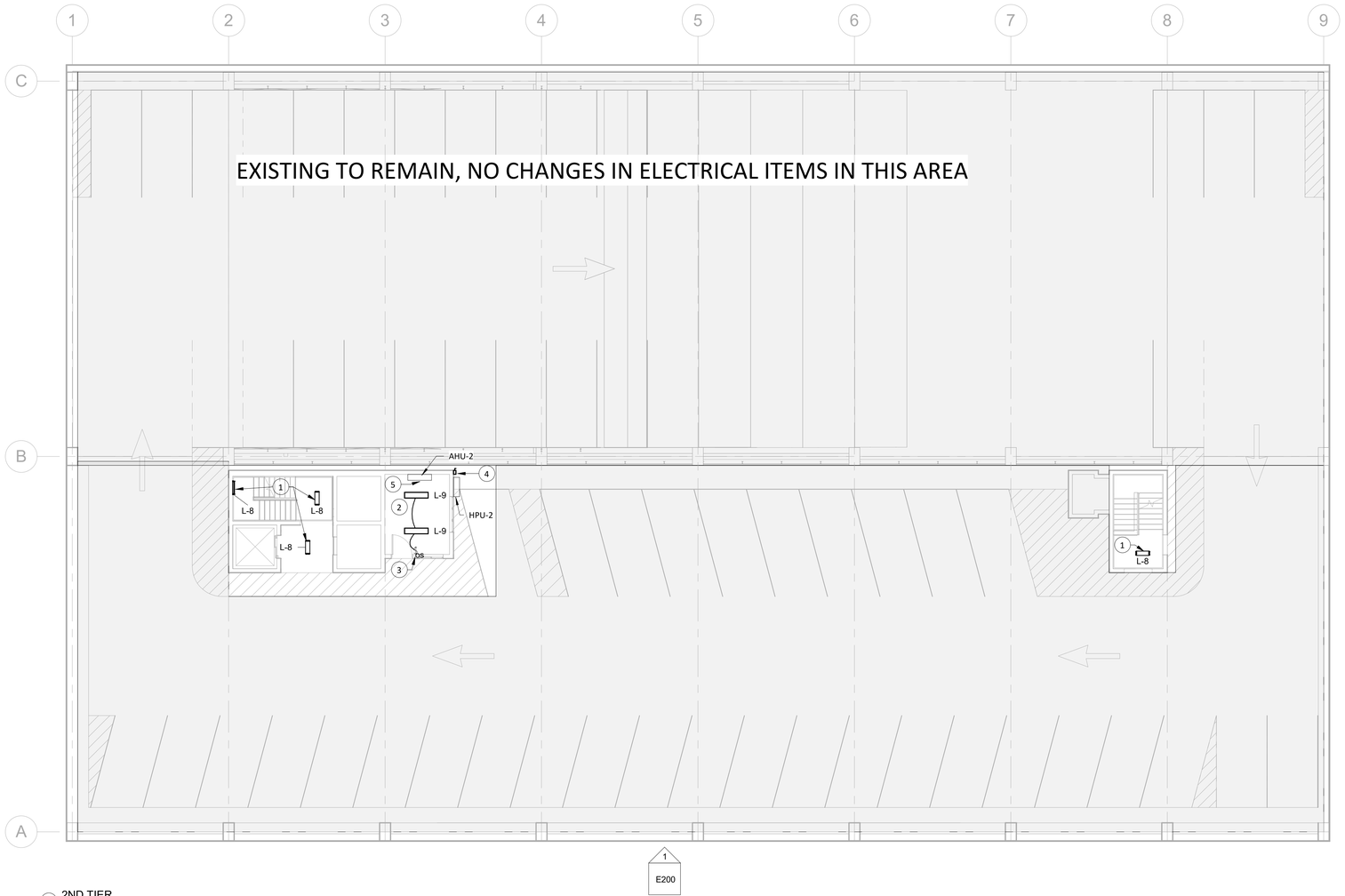
NORTH

SHEET TITLE:

ELECTRICAL GROUND TIER PLAN

SHEET NO.

E101



1 2ND TIER
3/32" = 1'-0"

LIGHTING GENERAL NOTES:

1. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION AND EXACT LOCATION OF LUMINARIES.
2. COORDINATE FINAL LIGHT FIXTURE LOCATIONS IN MECHANICAL AND ELECTRICAL SPACES WITH EQUIPMENT, DUCTWORK, PIPING, CONDUITS, ETC. FOR BEST POSSIBLE UNIFORMITY.
3. CONFIRM EXACT LOCATION OF ALL LIGHT SWITCHES AND CONTROLS DEVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
4. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROTECTED FROM THE SPREAD OF FIRE WITH AN APPROVED FIRESTOP SYSTEM EQUAL OR GREATER THAN THE FIRE RATING OF THE WALL .
5. RECESSED LIGHTING FIXTURES INSTALLED IN FIRE RATED CEILING ASSEMBLIES SHALL BE FIRE RATED FIXTURES BEARING THE ULC FIRE RATED LABEL.
6. CONDUITS SHALL NOT BE ROUTED ALONG BUILDING EXTERIOR. CONCEAL BY ROUTING ON INTERIOR AND PENETRATE THROUGH WALL AT EACH EXTERIOR FIXTURE LOCATION.
7. FIELD COORDINATE, PRIOR TO CONSTRUCTION, EXACT MOUNTING HEIGHT OF ALL FIXTURES TO AVOID DUCTWORK AND EQUIPMENT.
8. REFER TO DRAWING E000 FOR LUMINAIRE SCHEDULE AND NOTES.
9. REFER TO DRAWING E200, FOR INSTALLATION DETAILS.
10. FOR PANEL BOARD SCHEDULES, SEE SHEETS E700.

LIGHTING DRAWING NOTES:

1. REPLACE THE EXISTING FIXTURE WITH MENTIONED TYPE USING SAME WIRES AND CONTROL METHODOLOGY.
2. REPLACE THE EXISTING LIGHT FIXTURES WITH NEW ONES, AND REWIRE THEM WITH THE SAME SWITCH AND POWER CIRCUITS.
3. REPLACE THE EXISTING LIGHTING SWITCH WITH A NEW OCCUPANCY SENSOR SWITCH.
4. REWIRE THE EXISTING DISCONNECT SWITCH WITH THE NEW CONDENSER UNIT. VERIFY FUSE CAPACITY WITH MANUFACTURER REQUIREMENTS.REFER TO MECHANICAL DRAWINGS FOR THE EXACT LOCATION
5. REWIRE THE NEW INDOOR AC UNIT WITH THE SAME EXISTING WIRES AND CIRCUITS. REFER TO MECHANICAL DRAWINGS FOR THE EXACT LOCATION

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PROJECT NO.
NBR20136.01

PROJECT

Yonkers GCG Restoration

PARKING GARAGE

118 New Main St,
Yonkers, NY 10701

SUBMISSIONS / REVISIONS

BID DOCUMENTS
04/11/2022

NO.	DESCRIPTION	DATE

NORTH

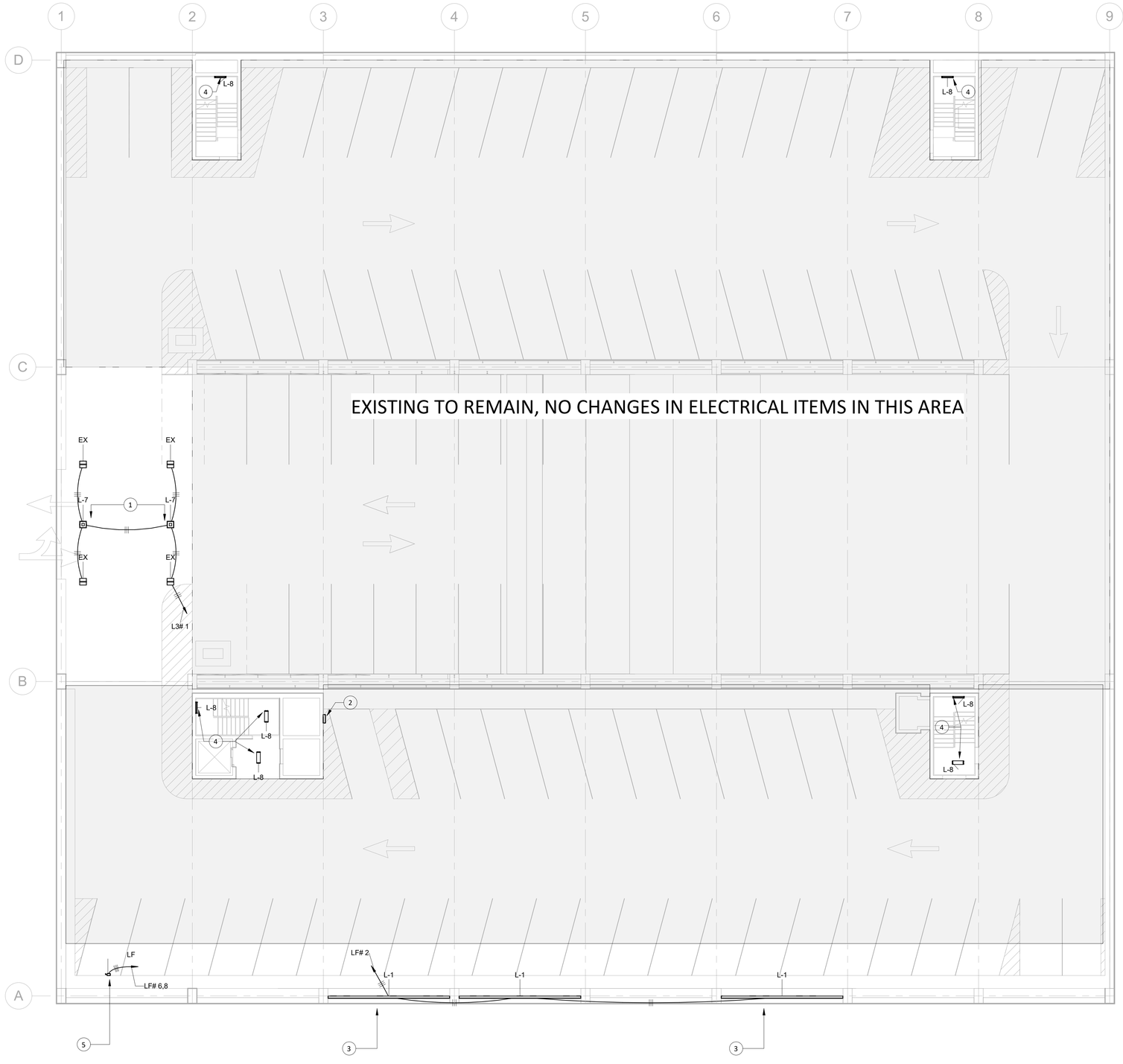
DRAWN: MM
REVIEWED: EE
DATE: 04/11/2022

SHEET TITLE:

LIGHTING 2ND TIER PLAN

SHEET NO.

E102



1 3RD TIER
3/32" = 1'-0"

LIGHTING GENERAL NOTES:

1. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION AND EXACT LOCATION OF LUMINARIES.
2. COORDINATE FINAL LIGHT FIXTURE LOCATIONS IN MECHANICAL AND ELECTRICAL SPACES WITH EQUIPMENT, DUCTWORK, PIPING, CONDUITS, ETC. FOR BEST POSSIBLE UNIFORMITY.
3. CONFIRM EXACT LOCATION OF ALL LIGHT SWITCHES AND CONTROLS DEVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
4. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROTECTED FROM THE SPREAD OF FIRE WITH AN APPROVED FIRESTOP SYSTEM EQUAL OR GREATER THAN THE FIRE RATING OF THE WALL .
5. RECESSED LIGHTING FIXTURES INSTALLED IN FIRE RATED CEILING ASSEMBLIES SHALL BE FIRE RATED FIXTURES BEARING THE ULC FIRE RATED LABEL.
6. CONDUITS SHALL NOT BE ROUTED ALONG BUILDING EXTERIOR. CONCEAL BY ROUTING ON INTERIOR AND PENETRATE THROUGH WALL AT EACH EXTERIOR FIXTURE LOCATION.
7. FIELD COORDINATE, PRIOR TO CONSTRUCTION, EXACT MOUNTING HEIGHT OF ALL FIXTURES TO AVOID DUCTWORK AND EQUIPMENT.
8. REFER TO DRAWING E000 FOR LUMINAIRE SCHEDULE AND NOTES.
9. REFER TO DRAWING E200, FOR INSTALLATION DETAILS.
10. FOR PANEL BOARD SCHEDULES, SEE SHEETS E700.

LIGHTING DRAWING NOTES:

1. THE NEW LIGHTING FIXTURES TO BE FED AND CONTROLLED BY THE SAME CIRCUIT OF LIGHTING IN THE SAME AREA (CONTRACTOR TO VERIFY) .
2. EXISTING ELECTRICAL PANELS.
3. REFER SHEET E200 FOR LOCATION OF WALL WASHER FIXTURES & INSTALLATION DETAILS.
4. REPLACE THE EXISTING FIXTURE WITH MENTIONED TYPE USING SAME WIRES AND CONTROL METHODOLOGY.
5. 400 2P 208V NEMA 3R DISCONNECT SWITCH FOR LED DIGITAL SCREEN

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PROJECT NO.
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Yonkers GCG Restoration

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04/11/2022

NO.	DESCRIPTION	DATE

NORTH

DRAWN: Author
REVIEWED: Checker
DATE: 04/11/22

SHEET TITLE:
LIGHTING 3RD TIER PLAN

SHEET NO.
E103

EXISTING TO REMAIN, NO CHANGES IN ELECTRICAL ITEMS IN THIS AREA

1 4TH TIER
3/32" = 1'-0"

LIGHTING GENERAL NOTES:

1. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION AND EXACT LOCATION OF LUMINARIES.
2. COORDINATE FINAL LIGHT FIXTURE LOCATIONS IN MECHANICAL AND ELECTRICAL SPACES WITH EQUIPMENT, DUCTWORK, PIPING, CONDUITS, ETC. FOR BEST POSSIBLE UNIFORMITY.
3. CONFIRM EXACT LOCATION OF ALL LIGHT SWITCHES AND CONTROLS DEVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
4. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROTECTED FROM THE SPREAD OF FIRE WITH AN APPROVED FIRESTOP SYSTEM EQUAL OR GREATER THAN THE FIRE RATING OF THE WALL .
5. RECESSED LIGHTING FIXTURES INSTALLED IN FIRE RATED CEILING ASSEMBLIES SHALL BE FIRE RATED FIXTURES BEARING THE ULC FIRE RATED LABEL.
6. CONDUITS SHALL NOT BE ROUTED ALONG BUILDING EXTERIOR. CONCEAL BY ROUTING ON INTERIOR AND PENETRATE THROUGH WALL AT EACH EXTERIOR FIXTURE LOCATION.
7. FIELD COORDINATE, PRIOR TO CONSTRUCTION, EXACT MOUNTING HEIGHT OF ALL FIXTURES TO AVOID DUCTWORK AND EQUIPMENT.
8. REFER TO DRAWING E000 FOR LUMINAIRE SCHEDULE AND NOTES.
9. REFER TO DRAWING E200, FOR INSTALLATION DETAILS.
10. FOR PANEL BOARD SCHEDULES, SEE SHEETS E700.

LIGHTING DRAWING NOTES:

1. REFER SHEET E200 FOR LOCATION OF WALL WASHER FIXTURES & INSTALLATION DETAILS.
2. REPLACE THE EXISTING FIXTURE WITH MENTIONED TYPE USING SAME WIRES AND CONTROL METHODOLOGY

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SHEET TITLE:

LIGHTING 4TH TIER PLAN

SHEET NO.

E104

1 5TH TIER
3/32" = 1'-0"

LIGHTING GENERAL NOTES:

1. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION AND EXACT LOCATION OF LUMINARIES.
2. COORDINATE FINAL LIGHT FIXTURE LOCATIONS IN MECHANICAL AND ELECTRICAL SPACES WITH EQUIPMENT, DUCTWORK, PIPING, CONDUITS, ETC. FOR BEST POSSIBLE UNIFORMITY.
3. CONFIRM EXACT LOCATION OF ALL LIGHT SWITCHES AND CONTROLS DEVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
4. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROTECTED FROM THE SPREAD OF FIRE WITH AN APPROVED FIRESTOP SYSTEM EQUAL OR GREATER THAN THE FIRE RATING OF THE WALL .
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7. FIELD COORDINATE, PRIOR TO CONSTRUCTION, EXACT MOUNTING HEIGHT OF ALL FIXTURES TO AVOID DUCTWORK AND EQUIPMENT.
8. REFER TO DRAWING E000 FOR LUMINAIRE SCHEDULE AND NOTES.
9. REFER TO DRAWING E200, FOR INSTALLATION DETAILS.
10. FOR PANEL BOARD SCHEDULES, SEE SHEETS E700.

LIGHTING DRAWING NOTES:

1. REFER SHEET E200 FOR LOCATION OF WALL WASHER FIXTURES & INSTALLATION DETAILS.
2. REPLACE THE EXISTING FIXTURE WITH MENTIONED TYPE USING SAME WIRES AND CONTROL METHODOLOGY

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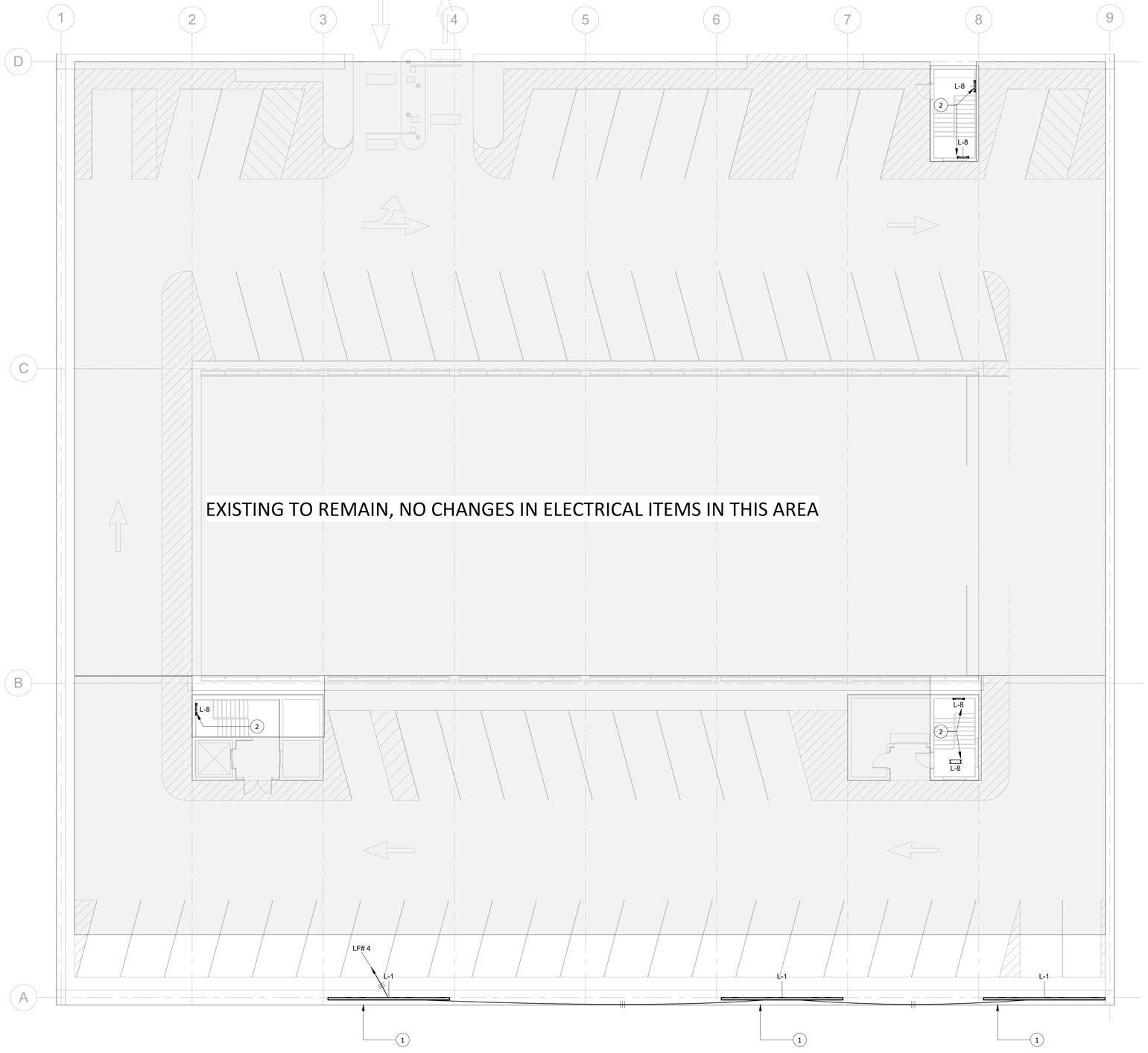
SHEET TITLE:
LIGHTING 5TH TIER PLAN

SHEET NO.
E105



1 TOP TIER
3/32" = 1'-0"

LIGHTING GENERAL NOTES:

1. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION AND EXACT LOCATION OF LUMINARIES.
2. COORDINATE FINAL LIGHT FIXTURE LOCATIONS IN MECHANICAL AND ELECTRICAL SPACES WITH EQUIPMENT, DUCTWORK, PIPING, CONDUITS, ETC. FOR BEST POSSIBLE UNIFORMITY.
3. CONFIRM EXACT LOCATION OF ALL LIGHT SWITCHES AND CONTROLS DEVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
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7. FIELD COORDINATE, PRIOR TO CONSTRUCTION, EXACT MOUNTING HEIGHT OF ALL FIXTURES TO AVOID DUCTWORK AND EQUIPMENT.
8. REFER TO DRAWING E000 FOR LUMINAIRE SCHEDULE AND NOTES.
9. REFER TO DRAWING E200, FOR INSTALLATION DETAILS.
10. FOR PANEL BOARD SCHEDULES, SEE SHEETS E700.

LIGHTING DRAWING NOTES:

1. REFER SHEET E200 FOR LOCATION OF WALL WASHER FIXTURES & INSTALLATION DETAILS.
2. REPLACE THE EXISTING FIXTURE WITH MENTIONED TYPE USING SAME WIRES AND CONTROL METHODOLOGY

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NO.	DESCRIPTION	DATE

NORTH

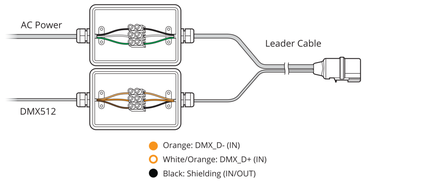
DRAWN: MM
REVIEWED: EE
DATE: 04/11/2022

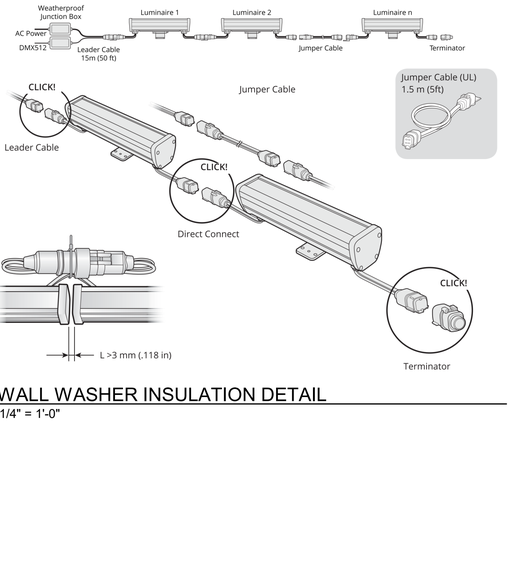
SHEET TITLE:

LIGHTING TOP TIER PLAN

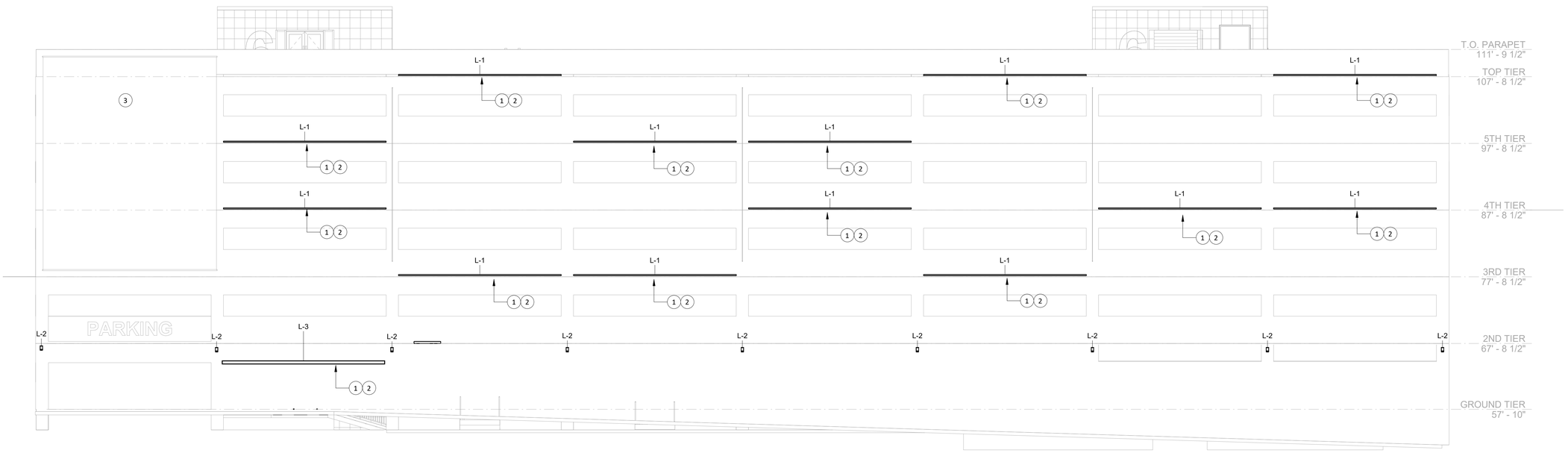
SHEET NO.

E106





2 E200 WALL WASHER INSULATION DETAIL
1/4" = 1'-0"



1 EAST - ELEC
1/8" = 1'-0"

LIGHTING GENERAL NOTES:

1. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION AND EXACT LOCATION OF LUMINARIES.
2. COORDINATE FINAL LIGHT FIXTURE LOCATIONS IN MECHANICAL AND ELECTRICAL SPACES WITH EQUIPMENT, DUCTWORK, PIPING, CONDUITS, ETC. FOR BEST POSSIBLE UNIFORMITY.
3. CONFIRM EXACT LOCATION OF ALL LIGHT SWITCHES AND CONTROLS DEVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
4. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROTECTED FROM THE SPREAD OF FIRE WITH AN APPROVED FIRESTOP SYSTEM EQUAL OR GREATER THAN THE FIRE RATING OF THE WALL .
5. RECESSED LIGHTING FIXTURES INSTALLED IN FIRE RATED CEILING ASSEMBLIES SHALL BE FIRE RATED FIXTURES BEARING THE ULC FIRE RATED LABEL.
6. CONDUITS SHALL NOT BE ROUTED ALONG BUILDING EXTERIOR. CONCEAL BY ROUTING ON INTERIOR AND PENETRATE THROUGH WALL AT EACH EXTERIOR FIXTURE LOCATION.
7. FIELD COORDINATE, PRIOR TO CONSTRUCTION, EXACT MOUNTING HEIGHT OF ALL FIXTURES TO AVOID DUCTWORK AND EQUIPMENT.
8. REFER TO DRAWING E000 FOR LUMINAIRE SCHEDULE AND NOTES.
9. REFER TO DRAWING E200, FOR INSTALLATION DETAILS.
10. FOR PANEL BOARD SCHEDULES, SEE SHEETS E700.

LIGHTING DRAWING NOTES:

1. CONTRACTOR TO PROVIDE LIGHTING CALCULATION AND 3D MODELING OF FACADE LIGHTING FOR ARCH APPROVAL BEFORE PURCHASING THE MATERIALS
2. CONTRACTOR TO PROVIDE ALL REQUIRED HARDWARE, SOFTWARE, AND WIRES FOR OPERABLE DMX CONTROLLED FACADE LIGHTING SYSTEM.
3. LED DIGITAL SCREEN ,REFER TO SHEET A2.1 FOR EXACT LOCATION AND THE MANUFACTURE TECHNICAL SHEETS FOR ELECTRICAL REQUIREMENTS. CONTRACTOR TO PROVIDE ALL REQUIRED ITEMS FOR COMPLETE OPERABELE LED DIGITAL SCREEN.

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NO.	DESCRIPTION	DATE

NORTH

DRAWN: MM
REVIEWED: EE
DATE: 04/11/2022

SHEET TITLE:
LIGHTING ELVEATION PLAN

SHEET NO.
E200

Existing Panel: AC

Location:
Supply From:
Mounting: Surface
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type:
Mains Rating: 225 A
MCB Rating: 150 A

Notes:

CKT	Wire Size	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	Wire Size	CKT
1	2-#12, 1-#12, 1-#12	AHU-1	20 A	2	360 VA										2
3	--	--	--	--			360 VA	360 VA			2	20 A	AHU-1	2-#12, 1-#12, 1-#12	4
5	2-#12, 1-#12, 1-#12	AHU-1	20 A	2					360 VA	360 VA	--	--	--	--	6
7	--	--	--	--	360 VA	3100 VA					2	20 A	HUP-1	2-#12, 1-#12, 1-#12	8
9	2-#12, 1-#12, 1-#12	HUP-1	20 A	2			3100 VA	3100 VA			--	--	--	--	10
11	--	--	--	--					3100 VA	3100 VA	2	20 A	HUP-1	2-#12, 1-#12, 1-#12	12
13						3100 VA					--	--	--	--	14
15															16
17															18
19															20
21															22
23															24
25															26
27															28
29															30
31															32
33															34
35															36
37															38
39															40
41															42
			Total Load:		6920 VA		6920 VA		6920 VA						
			Total Amps:		58 A		58 A		58 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	20760 VA	100.00%	20760 VA		
				Total Conn. Load:	20760 VA
				Total Est. Demand:	20760 VA
				Total Conn.:	58 A
				Total Est. Demand:	58 A

Notes:

New Panel: LF

Location: SECURITY OFFICE 2
Supply From: L1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type:
Mains Rating: 400 A
MCB Rating: 250 A

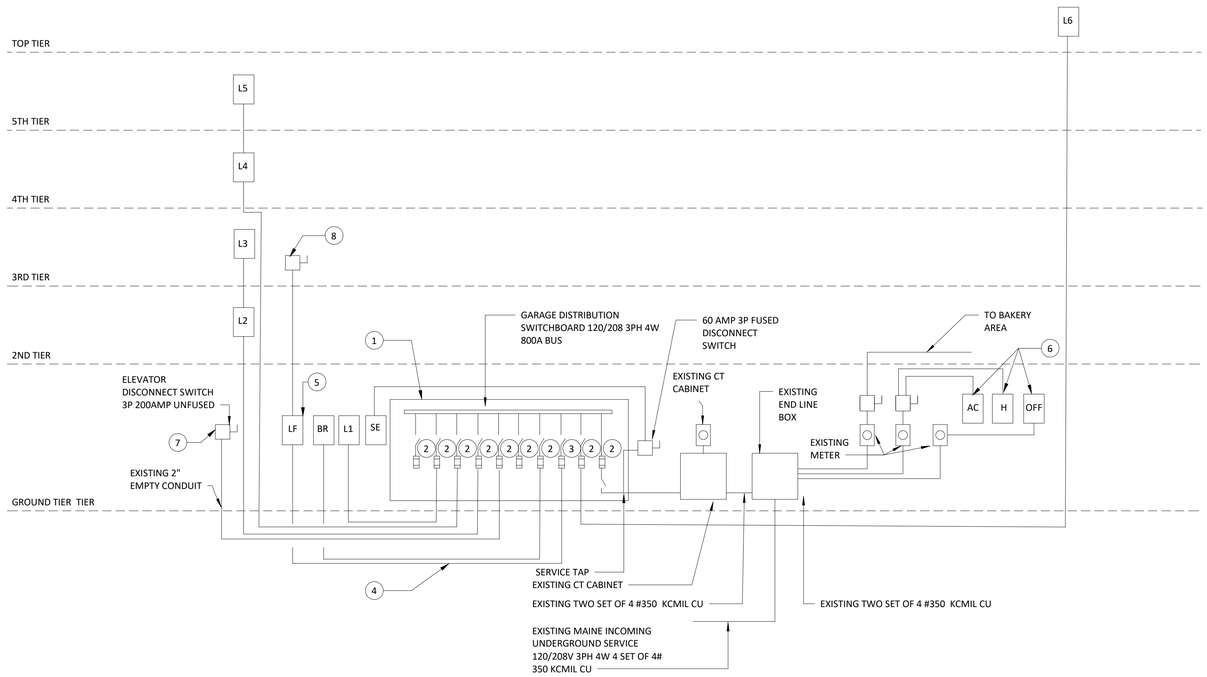
Notes:

CKT	Wire Size	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	Wire Size	CKT
1	1-#12, 1-#12, 1-#12	SIGNAGE DISCONNECT SWITCH	20 A	1	1500 VA	1500 VA					1	30 A	WALL WASHER LIGHT 3rd TIER...	1-#10, 1-#10, 1-#10	2
3	1-#10, 1-#10, 1-#10	WALL WASHER LIGHT 5TH TIER...	30 A	1			1500 VA	1500 VA			1	30 A	WALL WASHER LIGHT TOP TIER...	1-#10, 1-#10, 1-#10	4
5	1-#10, 1-#10, 1-#10	WALL WASHER LIGHT 4TH TIER...	30 A	1					2000 VA	25000...	2	250 A	LED DIGITAL SCREEN	2-#350, 1-#350, 1-#4	6
7						25000...					--	--	--	--	8
9															10
11															12
13															14
15															16
17															18
19															20
			Total Load:		28000 VA		3000 VA		27000 VA						
			Total Amps:		264 A		25 A		256 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	58000 VA	125.00%	72500 VA		
				Total Conn. Load:	58000 VA
				Total Est. Demand:	72500 VA
				Total Conn.:	161 A
				Total Est. Demand:	201 A

Notes:



1 EXISTING POWER ONE LINE DIAGRAM
1/4" = 1'-0"

GENERAL NOTES:

1. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED. THIS SINGLE LINE DIAGRAM WAS DEVELOPED THROUGH FIELD SURVEYS OF EXISTING CONDITIONS. IT IS INCLUDED IN THIS SET TO PROVIDE THE CONTRACTOR WITH AN UNDERSTANDING OF THE OVERALL EXISTING ELECTRICAL DISTRIBUTION BUT IS NOT MEANT TO BE ALL INCLUSIVE OF ALL DISTRIBUTION EQUIPMENT AS NOT ALL FEEDERS WERE LABELED.
2. PRIOR TO START OF WORK CONTRACTOR SHALL PROVIDE LABOR, TOOLS AND MATERIAL REQUIRED TO CIRCUIT TRACE THE EXISTING BRANCH CIRCUITRY TO THE EXISTING ELECTRICAL EQUIPMENT IDENTIFIED ON PLAN IN ORDER TO CONFIRM THE CIRCUITS BEING REUSED / MODIFIED IN THIS CONTRACT. CONTRACTOR SHALL RE-LABEL ALL NEW / REUSED / MODIFIED CIRCUIT BREAKERS WHEN DONE.
3. COORDINATE AIC RATING WITH POWER COMPANY PRIOR TO PURCHASING EQUIPMENT. ALL SERVICE EQUIPMENT AND METERS TO BE APPROVED BY POWER COMPANY PRIOR TO PURCHASING.
4. INCREASE CONDUCTOR SIZES FOR VOLTAGE DROP PER SPECIFICATIONS.
5. CONTRACTOR to Determining the TOTAL BUILDING Existing LOAD according to NEC 220.87 and CALCULATE THE NEW LOAD AT MAIN PANEL BASED ON THE PLANNED CIRCUITING SCHEME. VERIFY THAT EACH IMPACTED PANEL AND ALL NODES AND FEEDERS UPSTREAM OF THE PANEL ARE RATED TO HANDLE 125% OF THE METERED LOAD PLUS THE ADDITIONAL LOAD IN THE NEW DESIGN. IF PANELS AND FEEDERS ARE NOT RATED TO HANDLE THIS LOAD, upgrade the existing load and ALTER THE PROPOSED DESIGN TO MEET RATINGS

RISER DIAGRAM NOTE :

1. EXISTING PANEL BOARD .
2. EXISTING PANEL BOARD SWITCH 3P 208/120V.
3. REPLACE THE EXISTING DISCONNECT SWITCH WITH A 200A 3P 240V DISCONNECT SWITCH .
4. NEW CU (4#3/0 & 1# 6 G) IN 2"C .
5. NEW PANEL OF 3P 200A 208/120V REFERS TO THE PANEL SCHEDULE .
6. EXISTING ELECTRICAL PANELS.
7. CONTRACTOR TO VERIFY THE EXISTING ELEVATOR CONNECTIONS, PROVISIONS, AND OUTLETS AND REPLACE ANY DAMAGED OR ADD ANY REQUIRED ITEMS BY ELEVATOR MANUFACTURER OR ANY UPDATED CODE
8. NEW DISCONNECT SWITCH WITH 400A 2P 240V DISCONNECT SWITCH FOR THE LED BOARD .

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NO.	DESCRIPTION	DATE

NORTH

DRAWN: MM
REVIEWED: EE
DATE: 04/11/2022

SHEET TITLE:

POWER ONE LINE DIAGRAM

SHEET NO.

E700