# New City Library Addition & Renovation

DESIGN DEVELOPMENT SET

#### PICTORIAL VIEW



VIEW FOR INFORMATIONAL PURPOSES ONLY

#### PROJECT TEAM

OWNER **New City Library** 220 North Main Street New City, NY 10956 (845) 634-4997 newcitylibrary.org

**CIVIL ENGINEER** Atzl, Nasher & Zigler, P.C. 234 North Main Street New City, NY 10956 (845) 634-4694 anzny.com

ARCHITECT OF RECORD VMDO Architects P.C. 200 E Market Street Charlottesville, VA 22902 (434) 296-5684 vmdo.com

LANDSCAPE ARCHITECT Yost Design 22 Dexter Plaza Pearl River, NY 10965 (845) 365-4595 yostdesign.com

LOCAL ARCHITECT EnviroSpace Architecture DPC 451 East Boston Post Road Mamaroneck, NY 10543 (919) 777-2727 envirospacearch.com

MEP ENGINEER OLA Consulting Engineers, PC 50 Broadway, Suite 2 Hawthorne, NY 10532 (914) 747-2800 olace.com

CONSTRUCTION MANAGER Consigli 199 West Road Pleasant Valley, NY 12569 (845) 635-1800 consigli.com

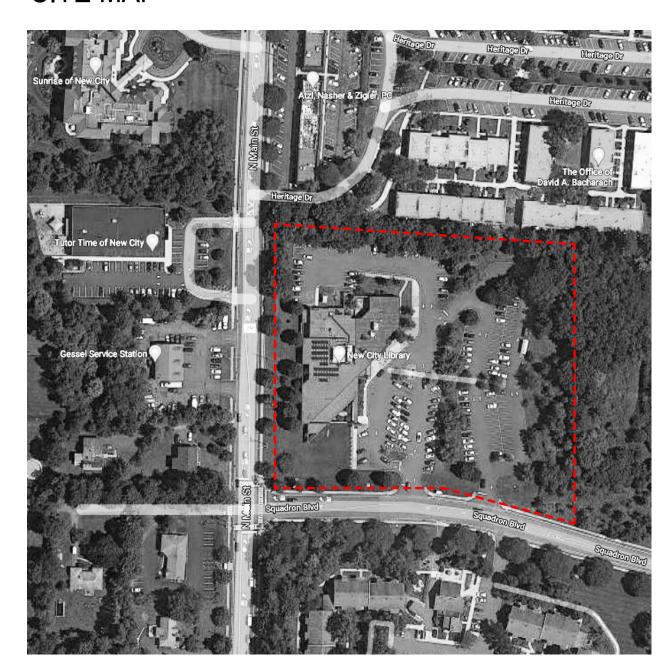
STRUCTURAL ENGINEER McLaren Engineering Group 5230 Chestnut Ridge Road Woodcliff Lake, NJ 07677 (201) 775-6000 mgmclaren.com

INTERIOR DESIGN Glickman Design Studio 208 Third Street NE Charlottesville, VA 22902 (617) 840-5560 glickmanstudio.com

#### **VICINITY MAP**



#### SITE MAP



A740 MILLWORK ENLARGED PLANS & INTERIOR ELEVATIONS A741 MILLWORK ENLARGED PLANS & INTERIOR ELEVATIONS

DOOR SCHEDULE & HARDWARE SCHEDULE

FINISH PLAN - LOWER LEVEL & BASEMENT

A932 FURNITURE PLAN - FIRST FLOOR & MEZZANINE

FURNITURE PLAN - LOWER LEVEL & BASEMENT

EXTERIOR FRAME TYPES

A821 INTERIOR FRAME TYPES

GENERA	ı	PLUMBIN	ING
GENERA G001	TITLE SHEET	PO01	PLUMBING SYMBOLS, ABBREVIATIONS, NOTES, AND SCHEDULES
G100 G111	LIFE SAFETY - CODE SUMMARY LIFE SAFETY PLANS	P101 P102	PLUMBING LOWER LEVEL DEMOLITION PLAN PLUMBING MAIN LEVEL DEMOLITION PLAN
CIVIL C 1 C 2	EXISTING CONDITION PLAN PHASE ONE SITE DEVELOPMENT PLAN	P201 P202	PLUMBING LOWER LEVEL NEW WORK PLAN PLUMBING MAIN LEVEL NEW WORK PLAN
C 3	PHASE TWO SITE DEVELOPMENT PLAN TREE PRESERVATION PLAN	P203	PLUMBING ROOF NEW WORK PLAN
C 5	LIGHTING PLAN	P701	PLUMBING DETAILS
LANDSC L101	APE LANDSCAPE - LAYOUT	MECHAN M001	NICAL MECHANICAL SYMBOLS, ABBREVIATIONS, AND NOTES
L301	LANDSCAPE - GRADING	M101	MECHANICAL LOWER LEVEL DEMOLITION MECHANICAL MAIN LEVEL DEMOLITION PLAN
L401	LANDSCAPE - MATERIALS	M102 M103	MECHANICAL MAIN LEVEL DEMOLITION PLAN MECHANICAL ROOF DEMOLITION PLAN
L701	LANDSCAPE - PLANTING	M201 M202	MECHANICAL LOWER LEVEL NEW WORK PLAN MECHANICAL MAIN LEVEL NEW WORK PLAN
L801	LANDSCAPE - DETAILS	M203	MECHANICAL ROOF NEW WORK PLAN
STRUCT S001	URAL GENERAL NOTES, ABBREVIATIONS, & SHEET INDEX	M601	MECHANICAL SCHEDULES
S002	S000-SERIES - GENERAL PROJECT INFORMATION	M701 M702	MECHANICAL DETAILS 1 OF 2 MECHANICAL DETAILS 2 OF 2
S100 S102	FOUNDATION PLAN MAIN LEVEL FRAMING PLAN	ELECTRI E001	RICAL ELECTRICAL SYMBOLS, ABBREVIATIONS & GENERAL NOTES
S103 S300 S310	ROOF LEVEL FRAMING PLAN TYPICAL FOUNDATION DETAILS TYP SUPERSTRUCTURE DETAILS	E101 E102	ELECTRICAL LOWER LEVEL DEMOLITION PLAN ELECTRICAL MAIN LEVEL DEMOLITION PLAN
S320	UNIT MASONRY DETAILS	E103	ELECTRICAL ROOF DEMOLITION PLAN
ARCHITE A001 A002	ECTURAL ABBREVIATIONS & NOTES PARTITION & FLOOR TYPES	E201 E202	ELECTRICAL LOWER LEVEL RCP ELECTRICAL MAIN LEVEL RCP
A003 A010	TYPICAL, FIRE PROTECTION & SOUND ATTENUATION DETAILS ARCHITECTURAL SITE PLAN	E301 E302 E303	ELECTRICAL LOWER LEVEL NEW WORK PLAN ELECTRICAL MAIN LEVEL NEW WORK PLAN ELECTRICAL ROOF NEW WORK PLAN
AD001 AD101 AD111	SITE DEMOLITION PLAN DEMOLITION PLAN - LOWER LEVEL & BASEMENT DEMOLITION PLAN - FIRST FLOOR & MEZZANINE	E401 E402	FIRE ALARM LOWER LEVEL NEW WORK PLAN FIRE ALARM MAIN LEVEL NEW WORK PLAN
AD201 AD202 AD301	DEMOLITION RCP - LOWER LEVEL & BASEMENT DEMOLITION RCP - FIRST FLOOR & MEZZANINE KEY DEMOLITION ELEVATIONS	E403	FIRE ALARM ROOF NEW WORK PLAN  ELECTRICAL DEMOLITION ONE-LINE DIAGRAM
4101 4111	FLOOR PLAN - LOWER LEVEL & BASEMENT FLOOR PLAN - FIRST FLOOR & MEZZANINE	E502 E601	ELECTRICAL NEW WORK ONE-LINE DIAGRAM  ELECTRICAL SCHEDULES AND FIRE ALARM RISER DIAGRAM
A131	ROOF PLAN	E701	ELECTRICAL DETAILS
A201 A211 A250	REFLECTED CEILING PLAN - LOWER LEVEL & BASEMENT REFLECTED CEILING PLAN - FIRST FLOOR & MEZZANINE TYPICAL CEILING DETAILS	FIRE PROSPOOL	ROTECTION SPRINKLER SYMBOLS. ABBREVIATIONS, AND NOTES
A251	CEILING DETAILS	SP101	SPRINKLER LOWER LEVEL DEMOLITION PLAN
4301 4302	KEY EXTERIOR ELEVATIONS KEY BUILDING SECTIONS	SP102	SPRINKLER MAIN LEVEL DEMOLITION PLAN
A303 A310	KEY BUILDING SECTIONS EXTERIOR ELEVATIONS - ADDITION	SP201 SP202	SPRINKLER LOVER LEVEL NEW WORK PLAN SPRINKLER MAIN LEVEL NEW WORK PLAN
4401 4402 4403	WALL SECTIONS WALL SECTIONS WALL SECTIONS	SP701	SPRINKLER DETAILS
<b>\</b> 500	EXTERIOR ASSEMBLY TYPES		
\601 \602 \605 \610	ELEVATOR AXONS, PLANS & SECTIONS STAIR & ELEVATOR AXONS, PLANS, SECTIONS & ELEVATIONS RAILING ELEVATIONS STAIR & RAILING DETAILS		
A710 A711 A712 A720 A721 A722	ENLARGED PLANS & INTERIOR ELEVATIONS ENLARGED PLANS & INTERIOR ELEVATIONS ENLARGED PLANS & INTERIOR ELEVATIONS TYPICAL TOILET ROOM LAYOUTS & ELEVATIONS ENLARGED TOILET PLANS & ELEVATIONS ENLARGED TOILET PLANS & ELEVATIONS		





New City Library

#### New City Library Addition & Renovation

220 North Main Street New City, NY 10956

Client Project Number VMDO Project Number

Checker Checked By Author Drawn By

ISSUES AND REVISIONS NO. SUBMITTAL

SCHEMATIC DESIGN DESIGN DEVELOPMENT 03.05.2021

07.09.2021

TITLE SHEET

DESIGN DEVELOPMENT

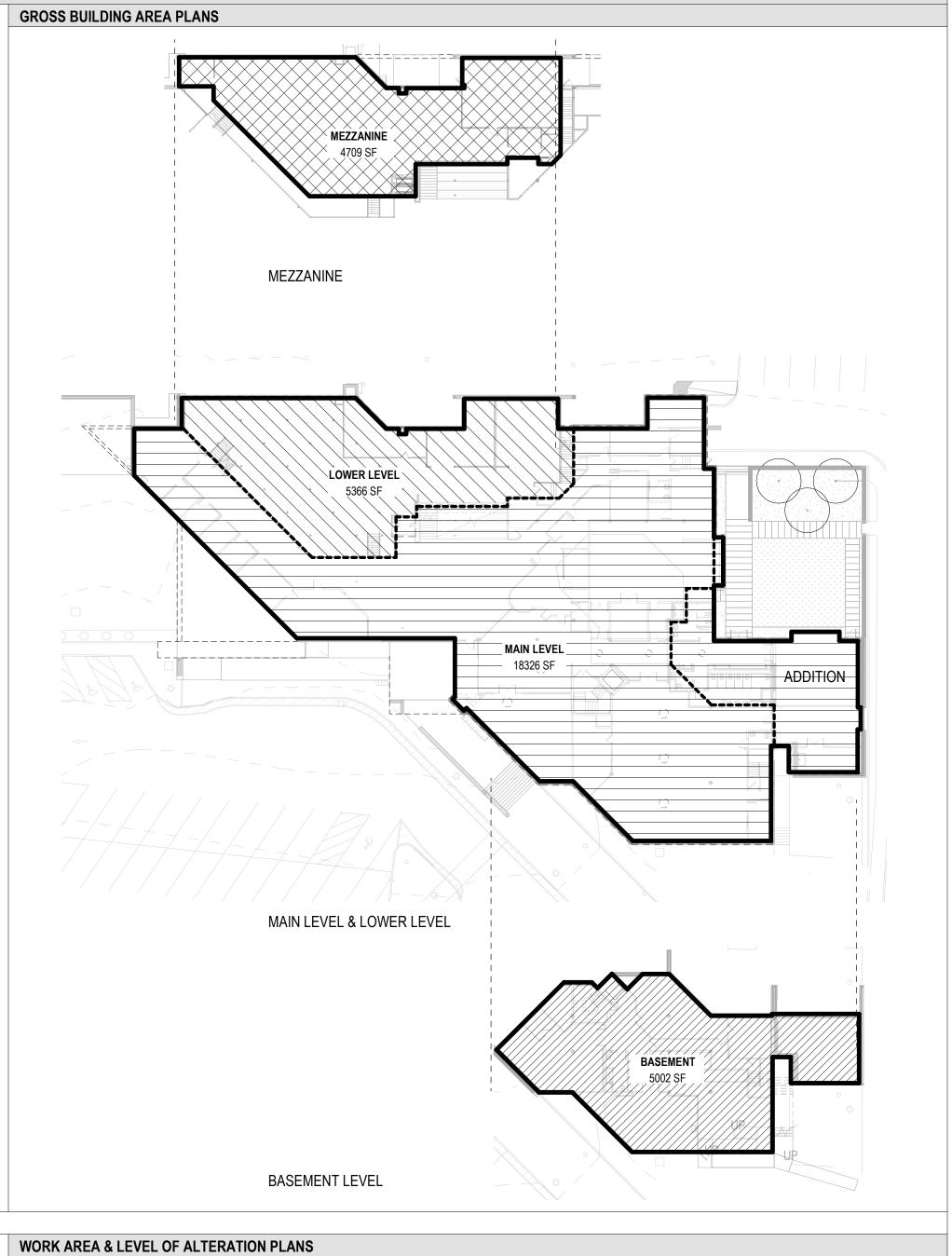
1.	PROJECT TITLE				
	NEW CITY LIBRARY RENOVATION & ADDITION				
2.	PROJECT SUMMARY DATA				
	AUTHORITY HAVING JURISDICTION (AHJ):				
	APPLICABLE BUILDING CODE(S): 2020 BUILD	ING CODE OF NEW YORK STATE, 20	020 EXISTING BUILDING CODE OF NEV	V YORK STATE	
	ACCESSIBILITY STANDARD(S): 2010 ADA ST	TANDARDS FOR ACCESSIBLE DESIG	GN (2010 ASAD)		
	FIRE SUPPRESSION: FULLY SPRI	NKLERED PER NFPA 13			
	CONSTRUCTION CLASSIFICATION: TYPE II-B				
		ATED MIXED USE (A-3, B, S-1)			
3.	BUILDING CODE SUMMARY	DONNO OFOTION DEFERENCES	DONIVO DECLUBEMENT / AL LOWED	DD0\//DED	DEMARKO
	CODE TOPIC  CONSTRUCTION CLASSIFICATION	BCNYS SECTION REFERENCED 602	BCNYS REQUIREMENT / ALLOWED	PROVIDED  TYPE II-B	REMARKS
	USE GROUP AND OCCUPANCY CLASSIFICATION	302		TYPE II-B	
	ALLOWABLE HEIGHT / STORIES: A-3	Table 504.3, Table 504.4	75' / 3 stories	50' / 3 stories	A-3 most restrictive
	ALLOWABLE HEIGHT / STORIES: B	Table 504.3, Table 504.4	75' / 4 stories	50' / 3 stories	A-3 most restrictive
	ALLOWABLE HEIGHT / STORIES: S-1	Table 504.3, Table 504.4	75' / 3 stories	50' / 3 stories	A-3 most restrictive
	BUILDING AREA TABULATION	Table 506.2	38,000 sf per floor (A-3)		Single Story bldg; A-3 most restricti
	BUILDING VOLUME				
	MAXIMUM OCCUPANT LOAD TABULATION	Table 1004.5		Refer to OCC LOAD TABULATION	
4.	EGRESS				
	CODE TOPIC	BCNYS SECTION REFERENCED	BCNYS REQUIREMENT / ALLOWED	PROVIDED	REMARKS
	CORRIDOR AND NON-STAIR COMPONENT WIDTH	1005.3.2, Exc. 1 / 1020.2	0.15" per occ. / 44" min. / 72" min.	REFER TO PLANS	FULLY SPRINKLERED
	STAIR WIDTH  ACCESSIBLE MEANS OF EGRESS	1005.3.1, Exc. 1 / 1011.2 1009.1 / 1009.3	0.2" per occ. / 44" min.  Not less than 2 / 48" min. stair width	REFER TO PLANS REFER TO PLANS	6'-8" min hd ht; FULLY SPRINKLER
	EGRESS ELEVATOR	1009.17 1009.3	Not required	N/A	all levels < 4 stories from discharg
	EXIT ACCESS STAIRS	1019.3 / 1028.1, Exc. 1	2 stories max. / 50% capacity max.	2 stories / 50% capacity max.	all levels 14 stolles from discharg
	COMMON PATH OF EGRESS TRAVEL	1006.2.1	75' (A) / 100' (B,S)	Less than 75' / 100'	FULLY SPRINKLERED
	EXIT ACCESS TRAVEL DISTANCE	Table 1017.2	250' (A,S) / 300' (B)	Less than 250' / 300'	FULLY SPRINKLERED
	DEAD END CORRIDORS	1020.4 (B,S: Exc. 2)	20' (A) / 50' (B,S)	Less than 20' / 50'	FULLY SPRINKLERED
	EXIT CONFIGURATION	1007.1.1, Exc. 2	> 1/3 max horizontal of area	> 1/3	FULLY SPRINKLERED
	EGRESS COURTS	1028.4	10' min width, 7' min clear head ht	10' min / 7' min	
5.	FIRE PROTECTION				
	CODE TOPIC	BCNYS SECTION REFERENCED	BCNYS REQUIREMENT / ALLOWED	PROVIDED	REMARKS
	NONSEPARATED MIXED OCCUPANCIES	508.3	no separation required		
	TWO-STORY OPENINGS	712.1.9 / 713.4	1 hr	N/A - single story building	
	SHAFTS				
	ELEVATOR HOISTWAYS	713.4 / 3002	< 4 stories = 1 hr	1 hr	UL Assembly: U906
	DUCT SHAFTS	713 / 717	1 hr	1 hr	UL Assemblies: U415, U419
	STAIR ENCLOSURES	707.3.2 / 1023.2	< 4 stories = 1 hr	1 hr	Open exit access stairs, 1019.3
	ELEVATOR AS ACCESSIBLE MEANS OF EGRESS	1009.2.1	> 4 stories abv exit discharge = req'd	not required	Top flr 1 story abv exit discharge
	ELEVATOR MACHINE ROOM ENCLOSURE	708.4 / 3005.4 Exception	< 4 stories, non-abutting = 0 hr	N/A	no machine room
	FIRE BARRIERS	707.3.1 / 713.4	< 4 stories = 1 hr	1 hr	UL Assemblies: U415, U419
	HORIZONTAL ASSEMBLIES INCIDENTAL USES	711 Table 509		not required	UL Assemblies: D759, N636
	FURNACE ROOM	Table 509	< 40,000 btu/h = 0 hr	0 hr	Fully sprinklered
	REGRIGERANT MACHINERY ROOM		Auto sprinkler = 0 hr	0 hr	Fully sprinklered
	TEACHING LABORATORIES AND CONTROL AREAS	414.2 / 430	1 hr	1 hr	(1) control area
	DUCT AND AIR TRANSFER OPENINGS	717.3.2.1	Annular space filled	Annular space filled	(1) control area
	OPENING PROTECTION / FIRE SEPARATION DISTANCE	Table 705.8	> 30' separation = no limit	no limit	Min. fire separation distance = 175
	AUTOMATIC SPRINKLER SYSTEM	903	Yes	Yes	Rapid response system provided
	STANDPIPES	905	Yes	Yes	
	FIRE EXTINGUISHERS	906 / IFC-906.1 (2006)	On each floor = ≤ 75' travel distance	On each floor = ≤ 75' travel distance	
	FIRE ALARM AND DETECTION SYSTEM	907	Yes	Yes	
6.	EMERGENCY POWER		BCNYS REQUIREMENT / ALLOWED	PROVIDED	REMARKS
6.	EMERGENCY POWER  CODE TOPIC	BCNYS SECTION REFERENCED			
6.	CODE TOPIC EXIT SIGNS	1013 / 2702.2.5	Yes	Yes	
6.	CODE TOPIC		Yes Yes	Yes Yes	
6.	CODE TOPIC EXIT SIGNS	1013 / 2702.2.5			
6.	CODE TOPIC EXIT SIGNS	1013 / 2702.2.5			

OCCUPANCY TYPE				WATER CLOSETS			LAVATORIES				SHOWERS		DRINKING FOUNTAINS		SERVICE SINK
		LOAD	Ratio	Male	Ratio	Female	Ratio	Male	Ratio	Female	Ratio	Subtotal	Ratio	Subtotal	
A 2	Concentrated	428	1:125	1.71	1:65	3.29	1:200	1.07	1:200	1.07			1:500	0.86	]
A-3	Unconcentrated	203	1.125	0.81	1.05	1.56	1.200	0.51		0.51	-	1.500	0.41	8000	
į	unroun	ded for refe	rence:	2.52		4.85		1.58		1.58					1
В	Public Program	56	1:25<50	1.12	1:25<50	1.12	1:40<80	0.70	1:40<80	0.70			1:100	0.56	
٠ ا	Gen. Staff/Offices	40	1:50>50	0.80	1:50>50	0.80	1:80>80	0.50	1:80>80	0.50			1.100	0.40	
S-1	Storage / Mech.	12	1:100	0.12	1:100	0.12	1:100	0.12	1:100	0.12		ā	1:1000	0.01	
34.5	TOTAL D	FOLUDED				,			1 8	2				0	
		EQUIRED ROVIDED	5		<b>.</b>	7	3			3 4		4		3 <b>3</b>	1

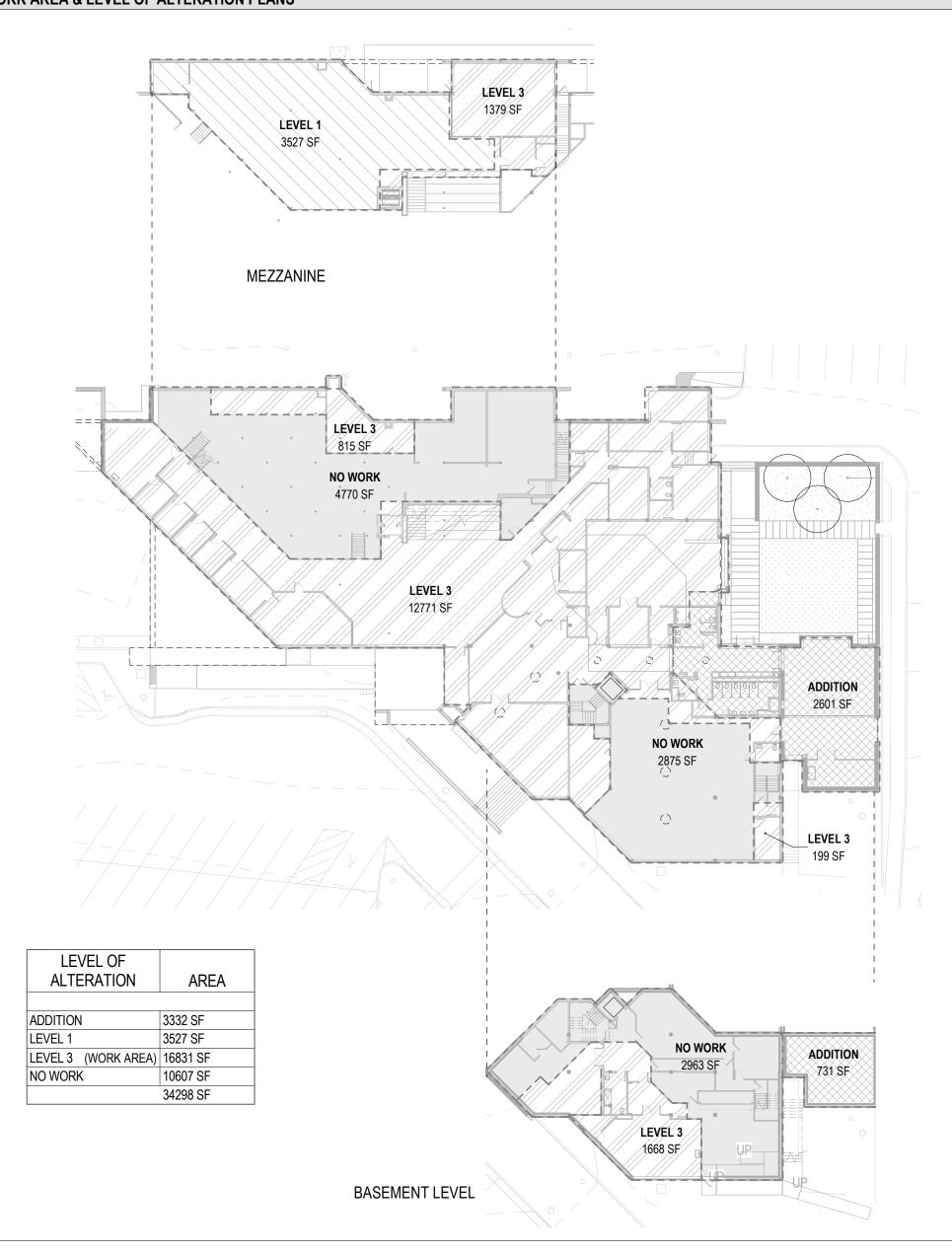
PER 2902.4 PUBLIC MULTI-USER TOILET ROOMS ARE DESIGNATED BY SEX AND SINGLE-USER FACILITIES ARE DESIGNATED GENDER NEUTRAL.

NOTE: ONE SINGLE-USER TOILET ROOM WITH ACCESSIBLE SHOWER FOR STAFF USE INCLUDED ON BASEMENT LEVEL. NOT INCLUDED IN TOTAL OF WATER CLOSETS PROVIDED.

<b>GROSS BUILDING ARE</b>	A							
FLOOR LEVEL	TOTAL AREA							
BASEMENT	5002 SF	EXCLUDED	FROM TOTAL ALLOWABLE FLOC	OR AREA CALC, PER 500				
MAIN LEVEL	18326 SF	EXOLOGICA TROM TO THE NELOWNIBLE TEGORY MEN ONLO. TER OU						
LOWER LEVEL	5366 SF	SINGLE STODY ABY GRADE INCLLINES TWO CONNECTED LEV						
MEZZANINE	4709 SF	EXCLUDED.	FROM TOTAL ALLOWABLE FLOC	OR AREA CALC. PER 50				
SUBTOTAL	33403 SF	ALL BUILDIN		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
BASEMENT & MEZZANINE	-10,053 SF							
TOTAL FLOOR AREA	23,702 SF							
OCCUPANCY SUMMAR	Y	SEE LS111	PLANS FOR ADDITIONAL DETAIL					
OCCUPANC'		AREA	AREA PER PERSON	OCCUPANTS				
BASEMENT LEVEL								
BUSINESS (CIRC)		1105 SF	150 SF	8				
BUSINESS (OFFICE)		1388 SF	150 SF	10				
MECH / STOR		2536 SF 5030 SF	300 SF	11				
LOWER LEVEL		3030 31		29				
BUSINESS (CIRC) LIBRARY (READING)		982 SF 561 SF 3331 SF	150 SF 50 SF 100 SF	8 12 34				
BUSINESS (CIRC) LIBRARY (READING) LIBRARY (STACKS)		982 SF 561 SF 3331 SF 429 SF	50 SF	8 12 34 2				
BUSINESS (CIRC) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR		982 SF 561 SF 3331 SF	50 SF 100 SF	8 12 34				
BUSINESS (CIRC) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MAIN LEVEL	D)	982 SF 561 SF 3331 SF 429 SF	50 SF 100 SF 300 SF	8 12 34 2				
BUSINESS (CIRC) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MAIN LEVEL ASSEMBLY (CONCENTRATE)	,	982 SF 561 SF 3331 SF 429 SF 5302 SF	50 SF 100 SF 300 SF	8 12 34 2 56 429 49				
BUSINESS (CIRC) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR	,	982 SF 561 SF 3331 SF 429 SF 5302 SF	50 SF 100 SF 300 SF	8 12 34 2 56				
BUSINESS (CIRC) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MAIN LEVEL ASSEMBLY (CONCENTRATED ASSEMBLY (UNCONCENTRA BUSINESS (CIRC) BUSINESS (OFFICE)	,	982 SF 561 SF 3331 SF 429 SF 5302 SF 2992 SF 734 SF 5252 SF 4901 SF	50 SF 100 SF 300 SF 7 SF 15 SF 150 SF	8 12 34 2 56 429 49 37 36				
BUSINESS (CIRC) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MAIN LEVEL ASSEMBLY (CONCENTRATED ASSEMBLY (UNCONCENTRA BUSINESS (CIRC)	,	982 SF 561 SF 3331 SF 429 SF 5302 SF 2992 SF 734 SF 5252 SF	50 SF 100 SF 300 SF 7 SF 15 SF 150 SF	8 12 34 2 56 429 49 37				
BUSINESS (CIRC) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MAIN LEVEL ASSEMBLY (CONCENTRATED ASSEMBLY (UNCONCENTRA BUSINESS (CIRC) BUSINESS (OFFICE) LIBRARY (READING) LIBRARY (STACKS)	,	982 SF 561 SF 3331 SF 429 SF 5302 SF 2992 SF 734 SF 5252 SF 4901 SF 2282 SF 1341 SF	7 SF 150 SF 150 SF 150 SF 150 SF 100 SF	8 12 34 2 56 429 49 37 36				
LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MAIN LEVEL ASSEMBLY (CONCENTRATED ASSEMBLY (UNCONCENTRATED BUSINESS (CIRC) BUSINESS (OFFICE) LIBRARY (READING)	,	982 SF 561 SF 3331 SF 429 SF 5302 SF 2992 SF 734 SF 5252 SF 4901 SF 2282 SF	7 SF 150 SF 150 SF 150 SF 50 SF	8 12 34 2 56 429 49 37 36 48 14				
BUSINESS (CIRC) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MAIN LEVEL ASSEMBLY (CONCENTRATED ASSEMBLY (UNCONCENTRA BUSINESS (CIRC) BUSINESS (OFFICE) LIBRARY (READING) LIBRARY (STACKS)	,	982 SF 561 SF 3331 SF 429 SF 5302 SF 2992 SF 734 SF 5252 SF 4901 SF 2282 SF 1341 SF	7 SF 150 SF 150 SF 150 SF 150 SF 100 SF	8 12 34 2 56 429 49 37 36 48 14				
BUSINESS (CIRC) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MAIN LEVEL ASSEMBLY (CONCENTRATEI ASSEMBLY (UNCONCENTRATEI BUSINESS (CIRC) BUSINESS (OFFICE) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR	,	982 SF 561 SF 3331 SF 429 SF 5302 SF 2992 SF 734 SF 5252 SF 4901 SF 2282 SF 1341 SF 487 SF 17990 SF	50 SF 100 SF 300 SF 7 SF 15 SF 150 SF 150 SF 50 SF 100 SF 300 SF	8 12 34 2 56 429 49 37 36 48 14 4 617				
BUSINESS (CIRC) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MAIN LEVEL ASSEMBLY (CONCENTRATEI ASSEMBLY (UNCONCENTRA BUSINESS (CIRC) BUSINESS (OFFICE) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MEZZANINE BUSINESS (CIRC)	,	982 SF 561 SF 3331 SF 429 SF 5302 SF  2992 SF 734 SF 5252 SF 4901 SF 2282 SF 1341 SF 487 SF 17990 SF	50 SF 100 SF 300 SF 7 SF 15 SF 150 SF 150 SF 50 SF 100 SF 300 SF	8 12 34 2 56 429 49 37 36 48 14 4 617				
BUSINESS (CIRC) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MAIN LEVEL ASSEMBLY (CONCENTRATEI ASSEMBLY (UNCONCENTRATEI BUSINESS (CIRC) BUSINESS (OFFICE) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MEZZANINE BUSINESS (CIRC) BUSINESS (CIRC) BUSINESS (CIRC) BUSINESS (CIRC)	,	982 SF 561 SF 3331 SF 429 SF 5302 SF  2992 SF 734 SF 5252 SF 4901 SF 2282 SF 1341 SF 487 SF 17990 SF  323 SF 343 SF	50 SF 100 SF 300 SF 300 SF 15 SF 150 SF 150 SF 100 SF 300 SF	8 12 34 2 56 429 49 37 36 48 14 4 617				
BUSINESS (CIRC) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MAIN LEVEL ASSEMBLY (CONCENTRATEI ASSEMBLY (UNCONCENTRATEI BUSINESS (CIRC) BUSINESS (OFFICE) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MEZZANINE BUSINESS (CIRC) BUSINESS (CIRC) BUSINESS (CIRC) BUSINESS (CIRC)	,	982 SF 561 SF 3331 SF 429 SF 5302 SF  2992 SF 734 SF 5252 SF 4901 SF 2282 SF 1341 SF 487 SF 17990 SF  323 SF 343 SF 987 SF	50 SF 100 SF 300 SF 300 SF 15 SF 150 SF 100 SF 300 SF 150 SF 150 SF 150 SF	8 12 34 2 56 429 49 37 36 48 14 4 617				
BUSINESS (CIRC) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MAIN LEVEL ASSEMBLY (CONCENTRATEI ASSEMBLY (UNCONCENTRATEI BUSINESS (CIRC) BUSINESS (OFFICE) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MEZZANINE BUSINESS (CIRC) BUSINESS (CIRC) BUSINESS (CIRC) BUSINESS (CIRC)	,	982 SF 561 SF 3331 SF 429 SF 5302 SF  2992 SF 734 SF 5252 SF 4901 SF 2282 SF 1341 SF 487 SF 17990 SF  323 SF 343 SF 987 SF 2997 SF	50 SF 100 SF 300 SF 300 SF 15 SF 150 SF 150 SF 100 SF 300 SF	8 12 34 2 56 429 49 37 36 48 14 4 617				
BUSINESS (CIRC) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MAIN LEVEL ASSEMBLY (CONCENTRATEI ASSEMBLY (UNCONCENTRATEI ASSEMBLY (UNCONCENTRATEI BUSINESS (CIRC) BUSINESS (OFFICE) LIBRARY (READING) LIBRARY (STACKS) MECH / STOR  MEZZANINE BUSINESS (CIRC) BUSINESS (OFFICE) LIBRARY (READING)	TED)	982 SF 561 SF 3331 SF 429 SF 5302 SF  2992 SF 734 SF 5252 SF 4901 SF 2282 SF 1341 SF 487 SF 17990 SF  323 SF 343 SF 987 SF	50 SF 100 SF 300 SF 300 SF 15 SF 150 SF 100 SF 300 SF 150 SF 150 SF 150 SF	8 12 34 2 56 429 49 37 36 48 14 4 617				



EXISTING BUILDING CODE SUMMARY							
CODE TOPIC	SECTION REF.	REMARKS					
COMPLIANCE METHOD	301.3.2	WORK AREA COMPLIANCE METHOD USED					
ADDITIONS	502.1	ADDITION COMPLIES WITH BCNYS FOR NEW CONSTRUCTION. HEIGHT					
		AND AREA OF EXISTING + NEW COMPLIES WITH REQUIREMENTS					
CHANGE OF OCCUPANCY	506	NO CHANGE					
TOPIC	XXXX	NOTES					
TOPIC	XXXX	NOTES					







New City Library

## New City Library Addition & Renovation

220 North Main Street New City, NY 10956

011 1 5 1 1 1 1

Client Project Number
VMDO Project Number

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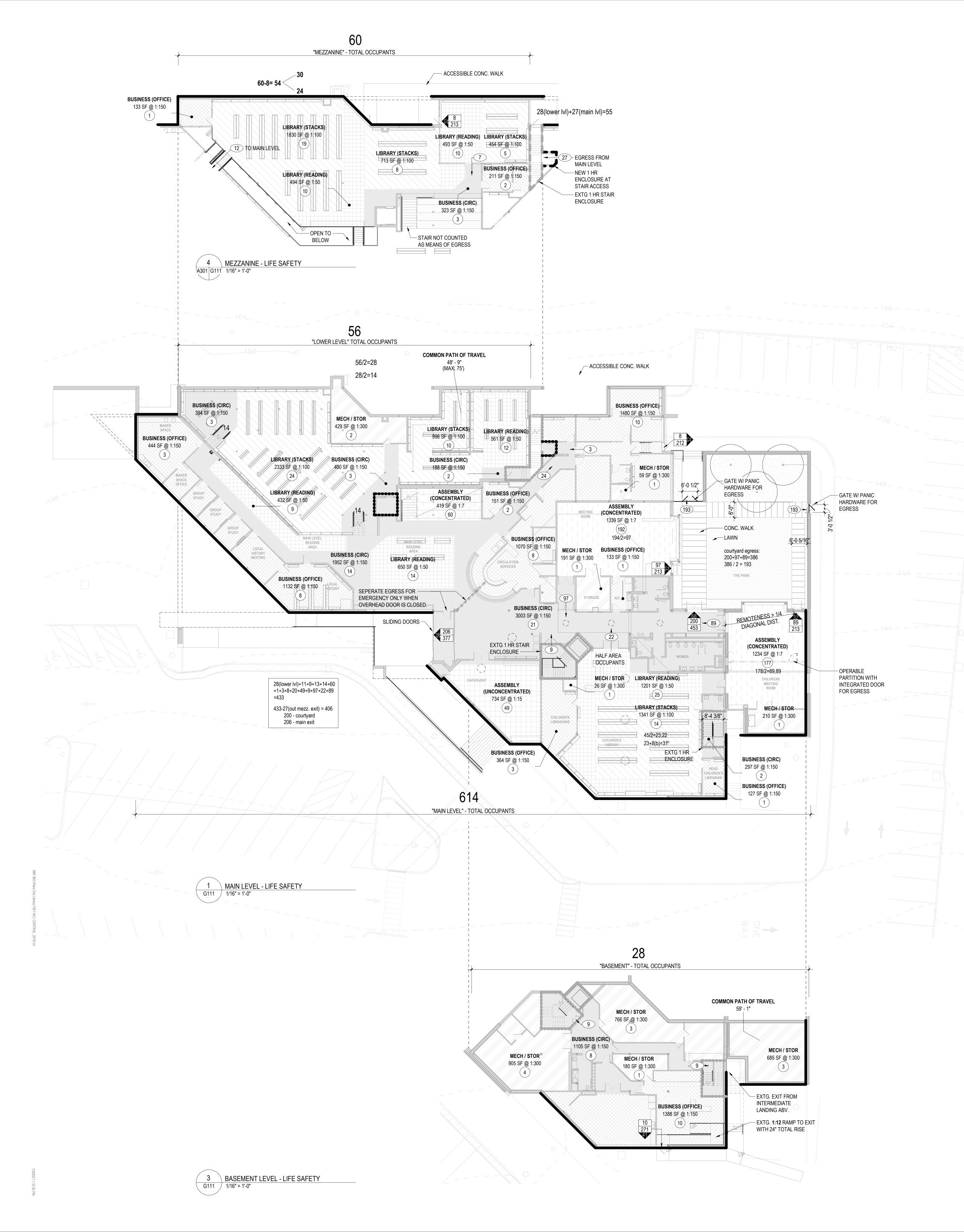
ISSUES AND REVISIONS

NO. SUBMITTAL
SCHEMATIC DESIGN

DATE 03.05.2021

LIFE SAFETY - CODE SUMMARY

G100
DESIGN DEVELOPMENT
07.09.2021



#### LIFE SAFETY GENERAL NOTES

- 1. SEE LS 100 FOR LIFE SAFETY SUMMARY AND CODE NOTES
- 2. WHERE RATED PARTITIONS MEET EXTERIOR WALLS, RUN ALL LAYERS OF U.L. ASSEMBLY TO BACKSIDE OF EXTERIOR WALL BACKUP TO PROVIDE CONTINUITY OF RATING.
- 3. PROVIDE EXIT SIGNS IN COMPLIANCE WITH BCNYS 1013, INCLUDING AT ALL EXIT AND EXIT ACCESS DOORS, WHERE EXIT OR PATH OF EGRESS TRAVEL IS NOT IMMEDIATELY VISIBLE, AND SUCH THAT NO POINT ALONG THE PATH OF EGRESS TRAVEL IS MORE THAN 100' FROM NEAREST EXIT SIGN. REFER TO REFLECTED CEILING PLANS FOR EXIT SIGN LOCATIONS.



434.296.5684 200 E Market Street 1200 18th Street NW Ste 700 Charlottesville, VA 22902 Washington, DC 20036



#### LIFE SAFETY LEGEND

$\otimes$	EXIT SIGN - EXISTING
$\otimes$	EXIT SIGN - NEW
101 213	CLEAR EGRESS WIDTH IN INCHES EXPECTED MAXIMUM EGRESS CAPACITY FOR OPENING AND STAIR CLEAR WIDTH
#	NUMBER OF OCCUPANTS PER SPACE
×#>	SIMULATED EXIT ROUTE DISTANCE

OCCUPANCY CALCULATIONS

133 SF

211 SF

493 SF

1830 SF

713 SF

454 SF

4650 SF

AREA

561 SF

998 SF

429 SF

5302 SF

AREA PER PERSON

150 SF

150 SF

150 SF

50 SF

50 SF

100 SF

100 SF

100 SF

PERSON

150 SF

150 SF

150 SF

50 SF

100 SF

100 SF

300 SF

AREA PER

AREA | PERSON | OCC.

1234 SF 7 SF

1339 SF 7 SF

419 SF 7 SF

734 SF 15 SF

297 SF 150 SF

3003 SF 150 SF 1952 SF 150 SF

364 SF 150 SF

127 SF 150 SF

1132 SF 150 SF

133 SF 150 SF

1480 SF 150 SF

151 SF 150 SF

1070 SF 150 SF

444 SF 150 SF

432 SF 50 SF

650 SF 50 SF

1201 SF 50 SF

1341 SF 100 SF

26 SF 300 SF

210 SF 300 SF

59 SF 300 SF

191 SF 300 SF

AREA PER

150 SF

AREA PERSON OCC.

1105 SF 150 SF

905 SF 300 SF 766 SF 300 SF

180 SF 300 SF 685 SF 300 SF

1388 SF

OCC.

MEZZANINE

BUSINESS (CIRC)

BUSINESS (OFFICE)

BUSINESS (OFFICE)

LIBRARY (READING)

LIBRARY (STACKS)

LIBRARY (STACKS)

LIBRARY (STACKS)

OCCUPANCY TOTALS

LOWER LEVEL

OCCUPANCY TYPE

BUSINESS (CIRC)

BUSINESS (CIRC)

**BUSINESS (CIRC)** 

LIBRARY (READING)

LIBRARY (STACKS)

LIBRARY (STACKS)

OCCUPANCY TOTALS

OCCUPANCY TYPE

ASSEMBLY (CONCENTRATED)

ASSEMBLY (CONCENTRATED)

ASSEMBLY (CONCENTRATED)

ASSEMBLY (UNCONCENTRATED)

MAIN FLOOR

BUSINESS (CIRC) BUSINESS (CIRC)

BUSINESS (CIRC)

BUSINESS (OFFICE)

LIBRARY (READING)

LIBRARY (READING)

LIBRARY (STACKS)

MECH / STOR

MECH / STOR

MECH / STOR

MECH / STOR

BASEMENT

BUSINESS (CIRC) BUSINESS (OFFICE)

MECH / STOR

MECH / STOR MECH / STOR

MECH / STOR

CALCULATED OCCUPANCY TOTALS 17990 SF

CALCULATED OCCUPANCY TOTALS 5030 SF

OCCUPANCY TYPE

MECH / STOR

CALCULATED

CALCULATED

OCCUPANCY TYPE

1 HR FIRE BARRIER - EXISTING

1 HR PRIMARY STRUCTURE CONTINUITY (MAJOR COL. / BEAMS) BLDG. PERIMETER ON PUBLIC WAY B - BUSINESS OCCUPANCY - CIRCULATION (1:150 GROSS)

B - BUSINESS OCCUPANCY - OFFICES (1:150 GROSS)

A3 - ASSEMBLY OCCUPANCY - CONCENTRATED (1:7 NET)

A3 - ASSEMBLY OCCUPANCY - UNCONCENTRATED (1:15 NET)

\$1 - STORAGE, MECH. EQUIPMENT OCCUPANCY (1:300 GROSS)

New City Library

### New City Library Addition & Renovation

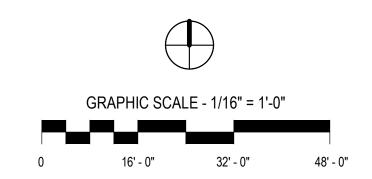
220 North Main Street New City, NY 10956

Client Project Number

Drawn By

VMDO Project Number

Checker Checked By Author



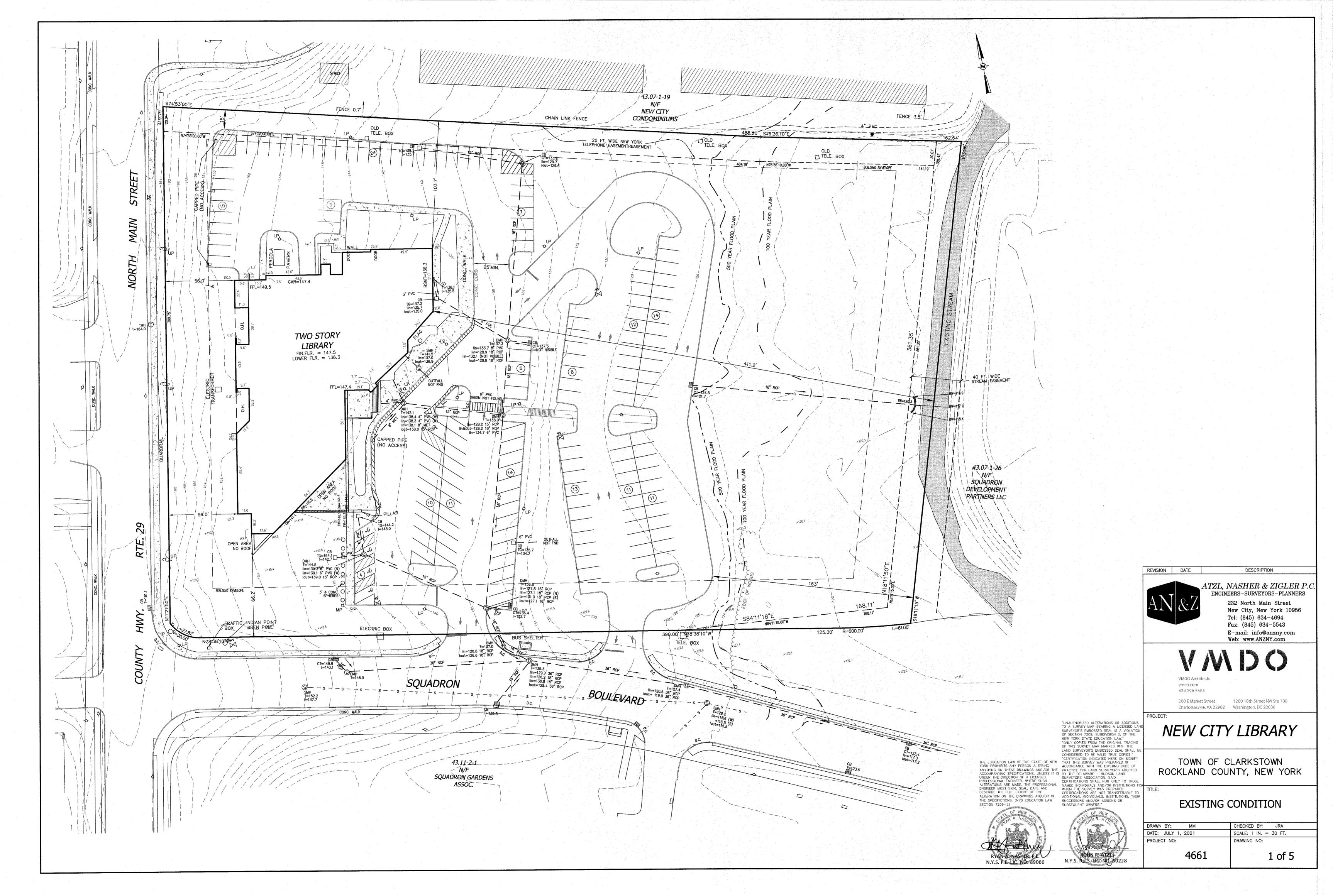
ISSUES AND REVISIONS

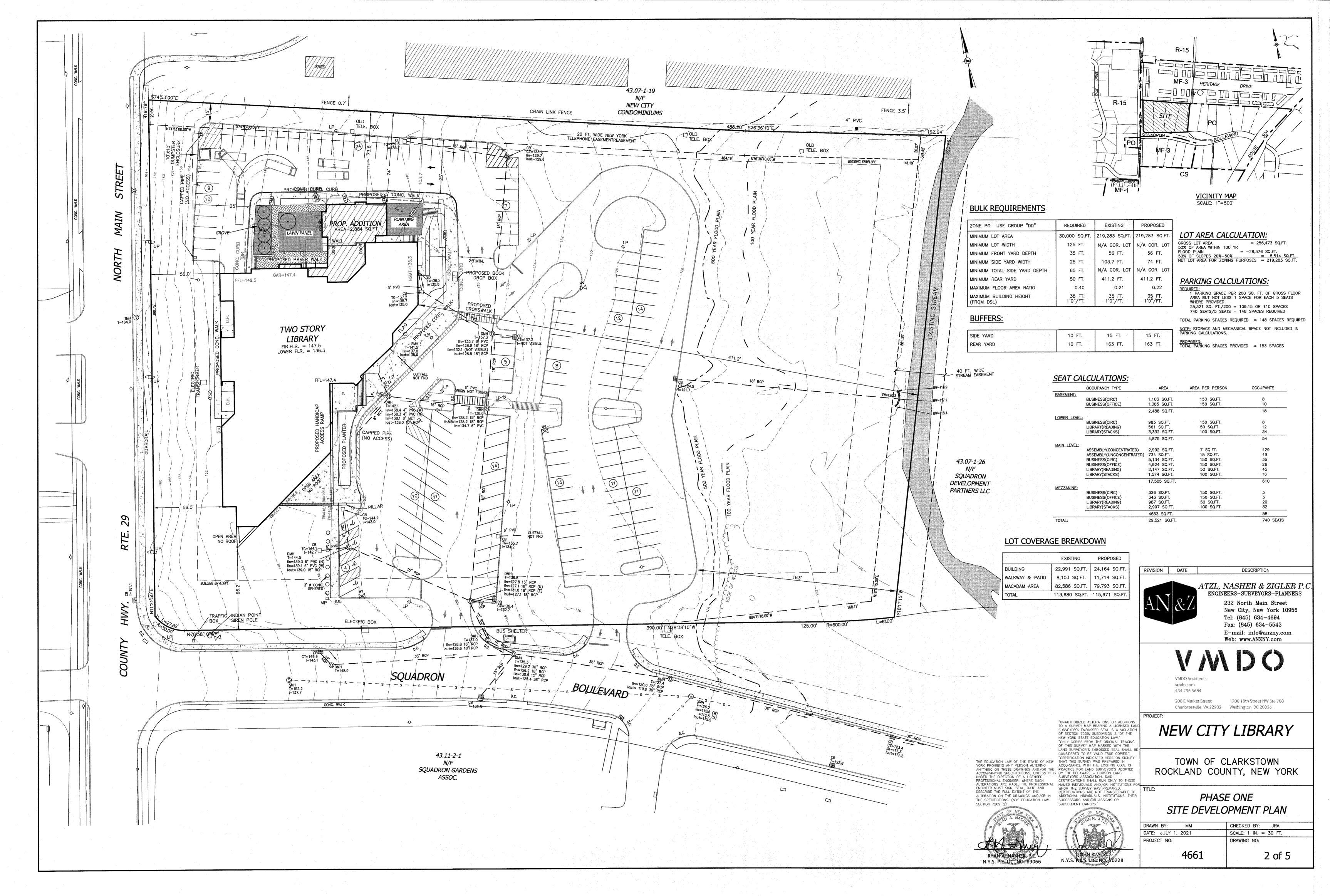
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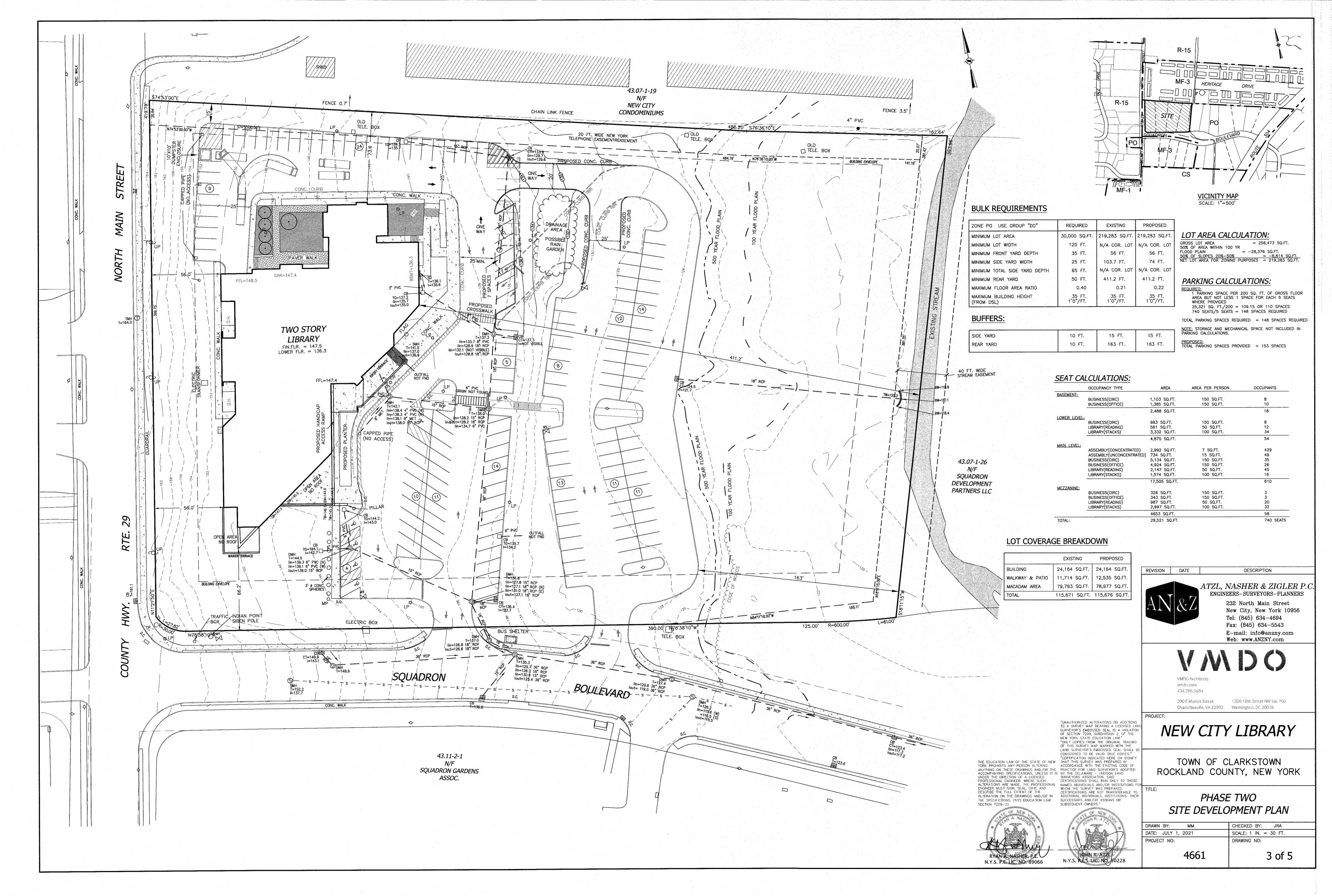
03.05.2021

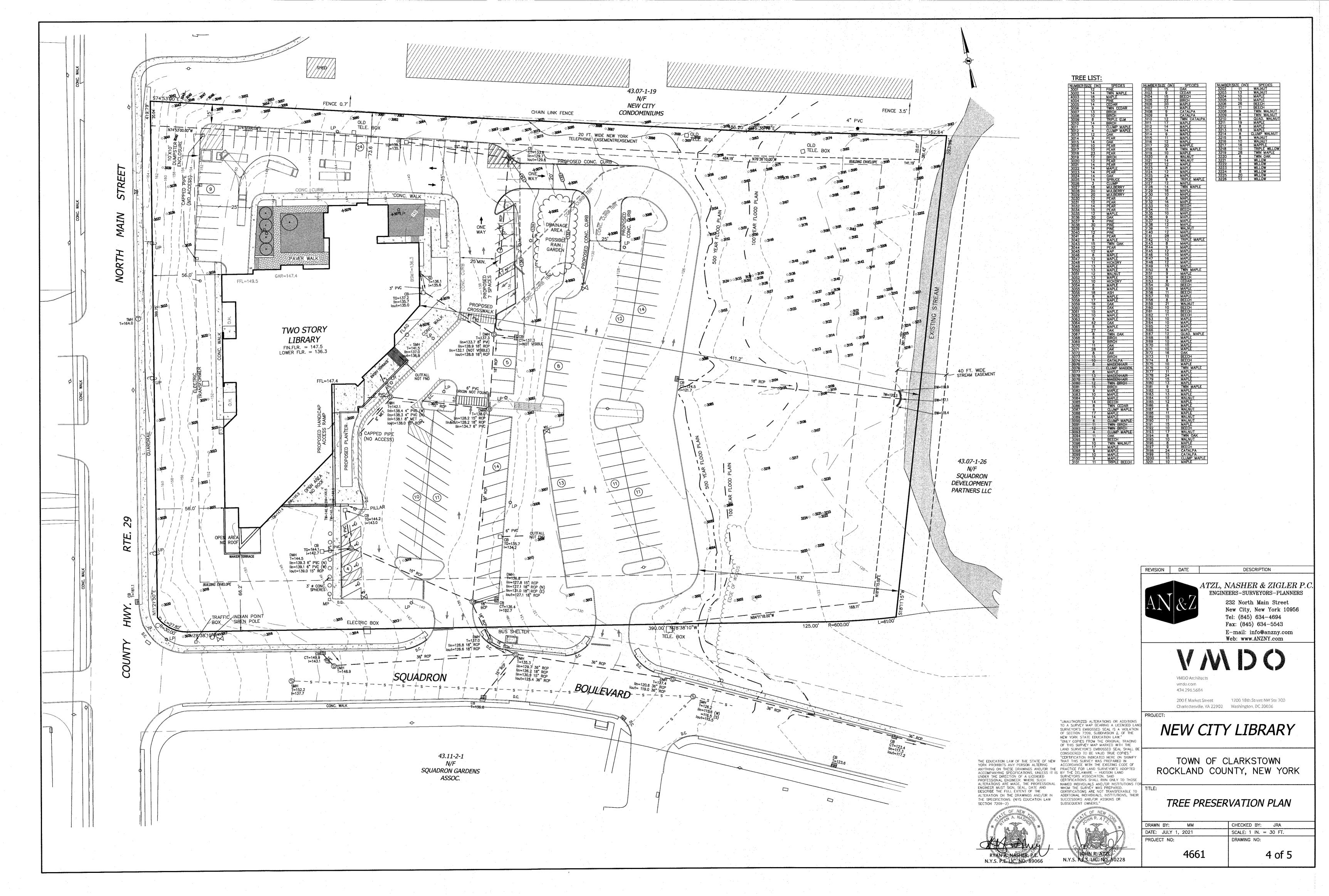
LIFE SAFETY PLANS

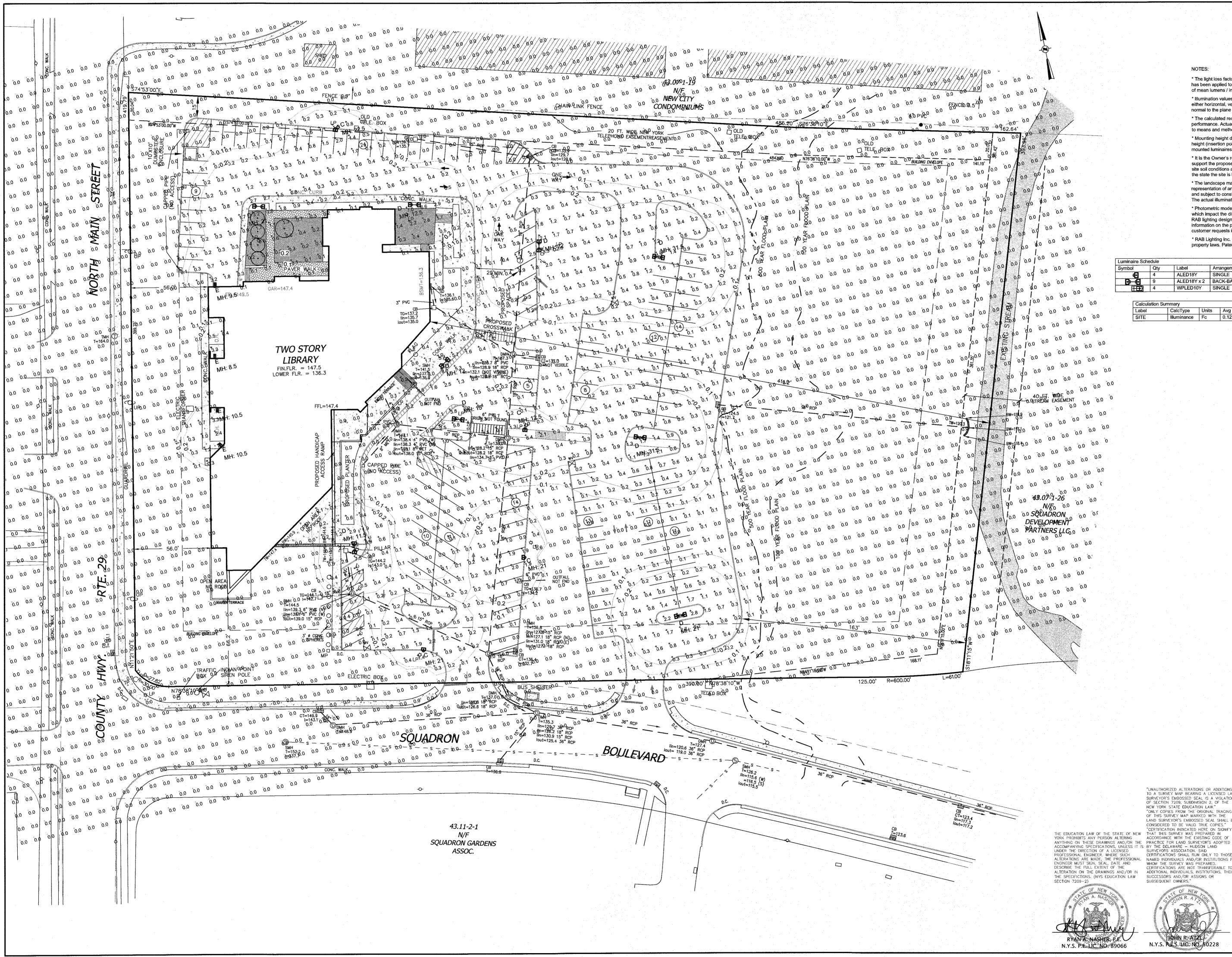
DESIGN DEVELOPMENT











\* The light loss factor (LLF) is a product of many variables, only lamp lumen depreciation (LLD) has been applied to the calculated results unless otherwise noted. The LLD is the result (quotient) of mean lumens / initial lumens per lamp manufacturers' specifications.

\* Illumination values shown (in footcandles) are the predicted results for planes of calculation either horizontal, vertical or inclined as designated in the calculation summary. Meter orientation is normal to the plane of calculation.

\* The calculated results of this lighting simulation represent an anticipated prediction of system performance. Actual measured results may vary from the anticipated performance and are subject

to means and methods which are beyond the control of RAB Lighting Inc. \* Mounting height determination is job site specific, our lighting simulations assume a mounting height (insertion point of the luminaire symbol) to be taken at the top of the symbol for ceiling

mounted luminaires and at the bottom of the symbol for all other luminaire mounting configurations. \* It is the Owner's responsibility to confirm the suitability of the existing or proposed poles and bases to support the proposed fixtures, based on the weight and EPA of the proposed fixtures and the owner's site soil conditions and wind zone. It is recommended that a professional engineer licensed to practice in

\* The landscape material shown hereon is conceptual, and is not intended to be an accurate representation of any particular plant, shrub, bush, or tree, as these materials are living objects, and subject to constant change. The conceptual objects shown are for illustrative purposes only. The actual illumination values measured in the field will vary.

\* Photometric model elements such as buildings, rooms, plants, furnishings or any architectural details which impact the dispersion of light must be detailed by the customer documents for inclusion in the RAB lighting design model. RAB is not responsible for any inaccuracies caused by incomplete information on the part of the customer, and reserves the right to use best judgement when translating customer requests into photometric studies.

\* RAB Lighting Inc. luminaire and product designs are protected under U.S. and International intellectual property laws. Patents issued or pending apply.

Luminaire Schedule										
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	Lum. Lumens	BUG Rating		
Ð	4	ALED18Y	SINGLE	N.A.	1.000	Area Light	2461	B1-U0-G0		
<u> </u>	9	ALED18Y x 2	BACK-BACK	N.A.	1.000	Area Light	2461	B1-U0-G0		
H <del>D</del> )	4	WPLED10Y	SINGLE	N.A.	1.000	Wallpack	1198	B1-U0-G0		

Illuminance Fc 0.12 9.2 0.0 N.A. N.A. 10 10 Horizontal

Expanded Luminaire Location Summary										
LumNo	Tag	Х	Υ	MTG HT	Orient	Tilt				
1	С	3584.552	5626.138	22.5	251.754	0				
2	С	3673.412	5384.22	12.5	255.826	0				
3	С	3654.099	5292.072	21	167.263	0				
4	С	3567.342	5240.926	21	72.917	0				
5	D	3755.763	5227.186	21	0	0				
5	D	3754.163	5227.186	21	180	0				
6	D	3754.153	5359.737	31.5	342.034	0				
6	D .	3752.631	5360.231	31.5	162.034	0				
7	D	3794.626	5484.998	31.5	339.532	0				
7	D	3793.128	5485.558	31.5	159.532	0				
8	D	3534.181	5325.676	11.5	79.62	0				
8	D	3533.893	5324.102	11.5	259.62	0				
9	D	3628.048	5400.245	15	341.565	0				
9	D	3626.53	5400.751	15	161.565	0				
10	D	3626.981	5443.097	12	33.253	0				
10	D.	3625.643	5442.219	12	213.253	0				
11	D	3629.617	5559.486	12.5	347.66	0				
11	D	3628.053	5559.828	12.5	167.66	0				
12	D	3518.794	5581.689	21	344.218	0				
12	D	3517.254	5582.125	21	164.218	0				
13	D	3711.208	5512.316	22	76.803	0				
13	D	3710.842	5510.758	22	256.803	0				
14	E	3475.012	5531.791	9.5	79.412	0				
15	E	3463,902	5480.964	8.5	77.758	0				
16	E	3458.022	5444.648	10.5	258.231	0				
17	E	3455.424	5417.399	10.5	126.955	0				

DATE REVISION

DESCRIPTION



ATZL, NASHER & ZIGLER P.

New City, New York 10956 Tel: (845) 634-4694 Fax: (845) 634-5543 E-mail: info@anzny.com Web: www.ANZNY.com

434.296.5684

1200 18th Street NW Ste 700 200 E Market Street Charlottesville, VA 22902 Washington, DC 20036

NEW CITY LIBRARY

TOWN OF CLARKSTOWN ROCKLAND COUNTY, NEW YORK

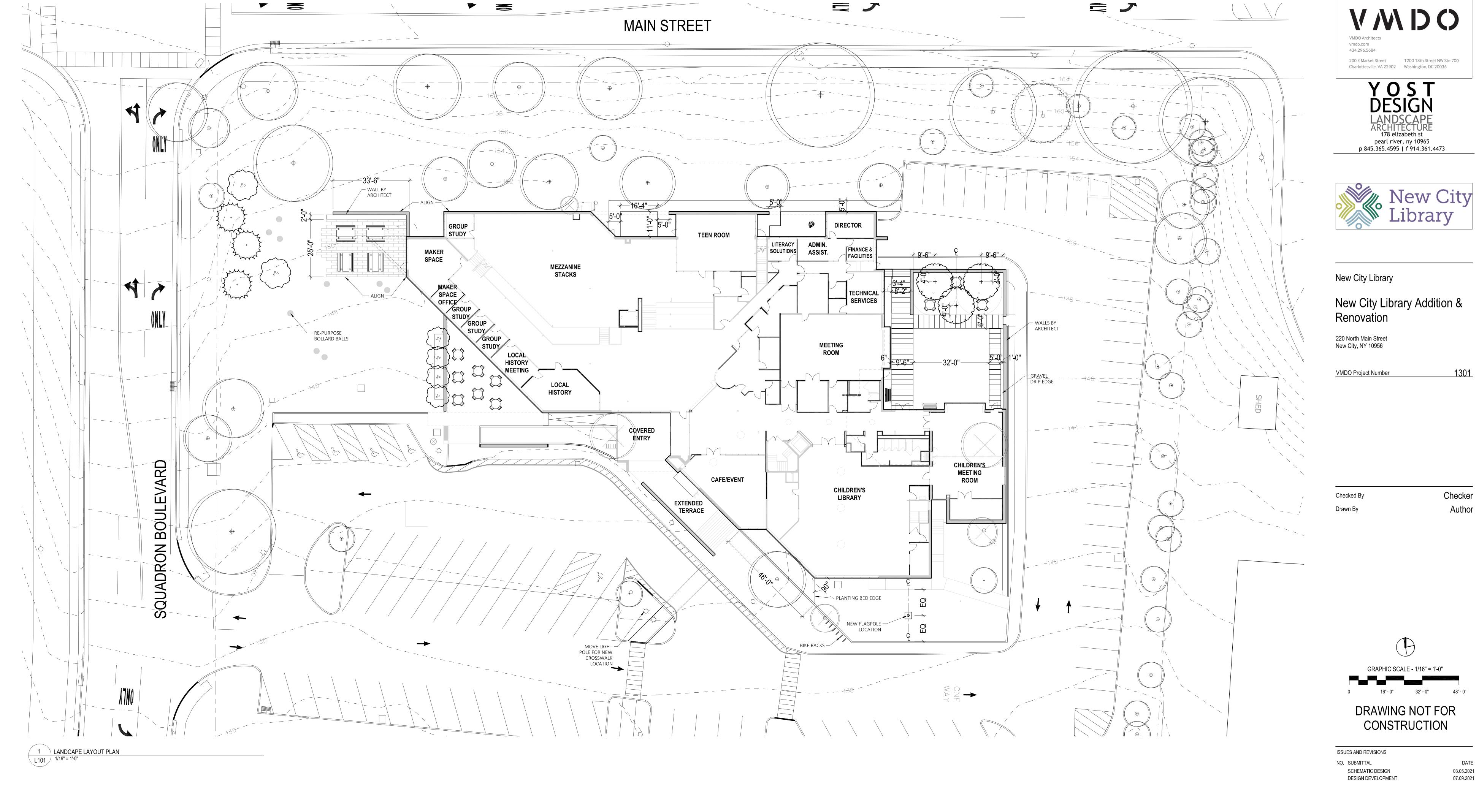
LIGHTING PLAN

DRAWING NO:

DRAWN BY: CHECKED BY: JRA DATE: JULY 1, 2021 SCALE: 1 IN. = 30 FT. PROJECT NO:

4661

5 of 5



#### **GENERAL NOTES**

1. SURVEY PROVIDED BY XXXXXXX ENGINEERING

2. YOST DESIGN LLC TAKES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE SURVEY. IF THE CONTRACTOR DETERMINES INACCURACIES ON SITE, THE CONTRACTOR SHALL ALERT THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION OF ANY PART OF THE DESIGN AFFECTED BY THE PERCEIVED INACCURACY

3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. THE CONTRACTOR TAKES FULL RESPONSIBILITY FOR ANY UTILITIES DAMAGED DUE TO NOT VERIFYING UTILITY

4. THE CONTRACTOR SHALL OBTAIN ALL PERMITS FOR CONSTRUCTION ACTIVITIES AS REQUIRED BY THE LOCAL MUNICIPALITY, STATE AND FEDERAL REGULATIONS. ALL PERMITS SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF THE WORK ASSOCIATED WITH THE PERMIT. THE CONTRACTOR SHALL ABIDE BY ALL RULES AND REGULATIONS SET FORTH BY THE PERMITS REQUIRED FOR CONSTRUCTION ACTIVITIES.

5. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE CONSTRUCTION SITE IN AN ORDERLY CONDITION, STORE MATERIALS IN A PRE-DETERMINED LOCATION, MINIMIZE SITE DISTURBANCE, AND REMOVE ALL DEBRIS AND EXCESS MATERIAL FROM THE

6. THE CONTRACTOR SHALL MAINTAIN ANY EROSION CONTROL MEASURES UTILIZED ON SITE.

7. THESE PLANS ARE FOR APPROVAL PURPOSES ONLY. NO CONSTRUCTION MAY BEGIN PRIOR TO OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

8. FINAL PLANS ARE SUBJECT TO REQUIREMENTS OF CITY OF XXXXX ENGINEERING DEPT, STATE REGULATORY REQUIREMENTS, D.O.T. AND ANY OTHER COMMENTS OR REQUIREMENTS OF LOCAL STATE AND/OR OTHER GOVERNMENTAL AGENCIES WITH JURISDICTION OVER THIS PROPERTY.

9. SURVEY DATA, INCLUDING BOUNDARY LINES, TOPOGRAPHY, BUILDING LOCATIONS, UTILITIES, ETC. HAVE BEEN TAKEN FROM MAPPING PROVIDED TO YOST DESIGN, LLC BY OUTSIDE PARTIES WHICH MAY INCLUDE: LAND SURVEYORS, ARCHITECTS, SOIL SCIENTISTS, PROFESSIONAL ENGINEERS OR OTHER INDIVIDUALS WITH SPECIFIC INFORMATION PERTAINING TO THIS PROJECT. ADDITIONALLY, INFORMATION MAY HAVE BEEN COMPILED FROM SITE OBSERVATIONS AND/OR INFORMATION PROVIDED DIRECTLY BY THE PROPERTY OWNER. THIS DRAWING IS INTENDED FOR OVERVIEW REFERENCE PURPOSES OF LANDSCAPE FEATURES ONLY. IT MAY NOT DEPICT EXACT EXISTING CONDITIONS AND DOES NOT CONTAIN ADEQUATE INFORMATION FOR CONSTRUCTION PURPOSES.

10. THE DATA SET THAT THIS INFORMATION REPRESENTS HAS BEEN PROVIDED TO YOST DESIGN, LLC FOR THE EXPLICIT PURPOSE OF DEVELOPING THESE PLANS AND PERFORMING THE WORK ASSOCIATED WITH THIS PROJECT. IT MAY NOT BE USED FOR ANY OTHER REASON WITHOUT THE EXPRESS CONSENT OF THE INDIVIDUALS WHO HAVE PREPARED THIS DATA. YOST DESIGN, LLC TAKES NO RESPONSIBILITY FOR THE ACCURACY OF THE DATA WHICH HAS BEEN PROVIDED. 11. PLEASE REFER TO THE APPROPRIATE DRAWINGS CONTAINED IN THE CONSTRUCTION DOCUMENT SET FOR SPECIFIC INFORMATION NEEDED TO EXECUTE THIS DESIGN.

12. IN ADDITION TO INFORMATION ON THIS SHEET, CONSULT DRAWINGS PREPARED BY THE SITE ENGINEER FOR ADDITIONAL INFORMATION RELATED TO SITE PREPARATION, DRAINAGE, UNDERGROUND UTILITIES AND OTHER SITE SPECIFIC INFORMATION. THIS PROJECT MAY INCLUDE SURFACE AND SUB-SURFACE STRUCTURES RELATING TO DRAINAGE, AND/OR SITE UTILITIES. IT WILL BE NECESSARY TO COORDINATE WITH PLANS PREPARED BY THE SITE ENGINEER FOR INFORMATION REQUIRED TO PROTECT, INSTALL, WORK WITH AND/OR MAINTAIN THESE SYSTEMS.

13. ANY STRUCTURAL WORK, UTILITY WORK, ARCHITECTURAL WORK OR DRAINAGE WORK SHALL BE UNDER THE DIRECTION AND AUTHORITY OF THE RESPECTIVE PROFESSIONALS DESIGNING AND COORDINATING THOSE ASPECTS OF THE PROJECT. ANY IMAGERY, DRAWINGS OR REPRESENTATIONS OF THESE ELEMENTS ON THE LANDSCAPE PLANS ARE FOR REFERENCE PURPOSES ONLY AND SHALL NOT BE USED FOR CONSTRUCTION.

14. RETAINING WALLS ARE SHOWN FOR SCHEMATIC PURPOSES ONLY ANY RETAINING WALL GREATER THAN 3' SHALL BE DESIGNED BY A STATE LICENSED STRUCTURAL ENGINEER AND SUBMITTED TO THE TOWN FOR APPROVAL PRIOR TO CONSTRUCTION.

#### LAYOUT NOTES

1. VERIFY DIMENSIONS AND ACCEPT CONDITIONS BEFORE PROCEEDING WITH WORK. REPORT DISCREPANCIES TO LANDSCAPE ARCHITECT FOR INSTRUCTION BEFORE PROCEEDING. DO NO MEASURE DRAWINGS. 2. ALL LANDSCAPE ELEMENTS TO BE LOCATED AS INDICATED ON PLAN OR AS FIELD ADJUSTED BY THE LANDSCAPE ARCHITECT. LANDSCAPE ARCHITECT TO VERIFY LAYOUT IN FIELD PRIOR TO COMMENCEMENT OF CONSTRUCTION.

3. WALKS, DRIVES, PARKING AND BUILDING LOCATIONS TO BE LAID OUT IN THE FIELD BY A LICENSED SURVEYOR. FINAL LAYOUT TO BE APPROVED BY LANDSCAPE ARCHITECT

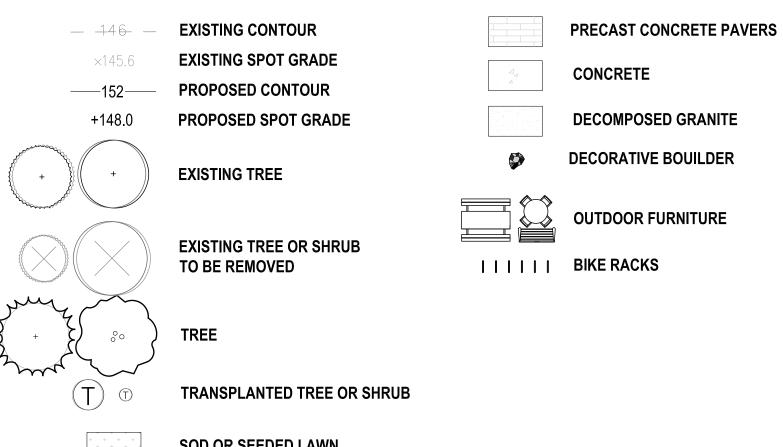
4. SEE GRADING PLAN L301 (IF APPLICABLE) FOR SPOT ELEVATIONS AT SITE FEATURES INCLUDING TOP AND BOTTOM OF SITE WALLS AND CORNERS OF PAVEMENTS.

SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES BEFORE STARTING WORK AND SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM THE WORK AS SHOWN ON THE DRAWINGS.

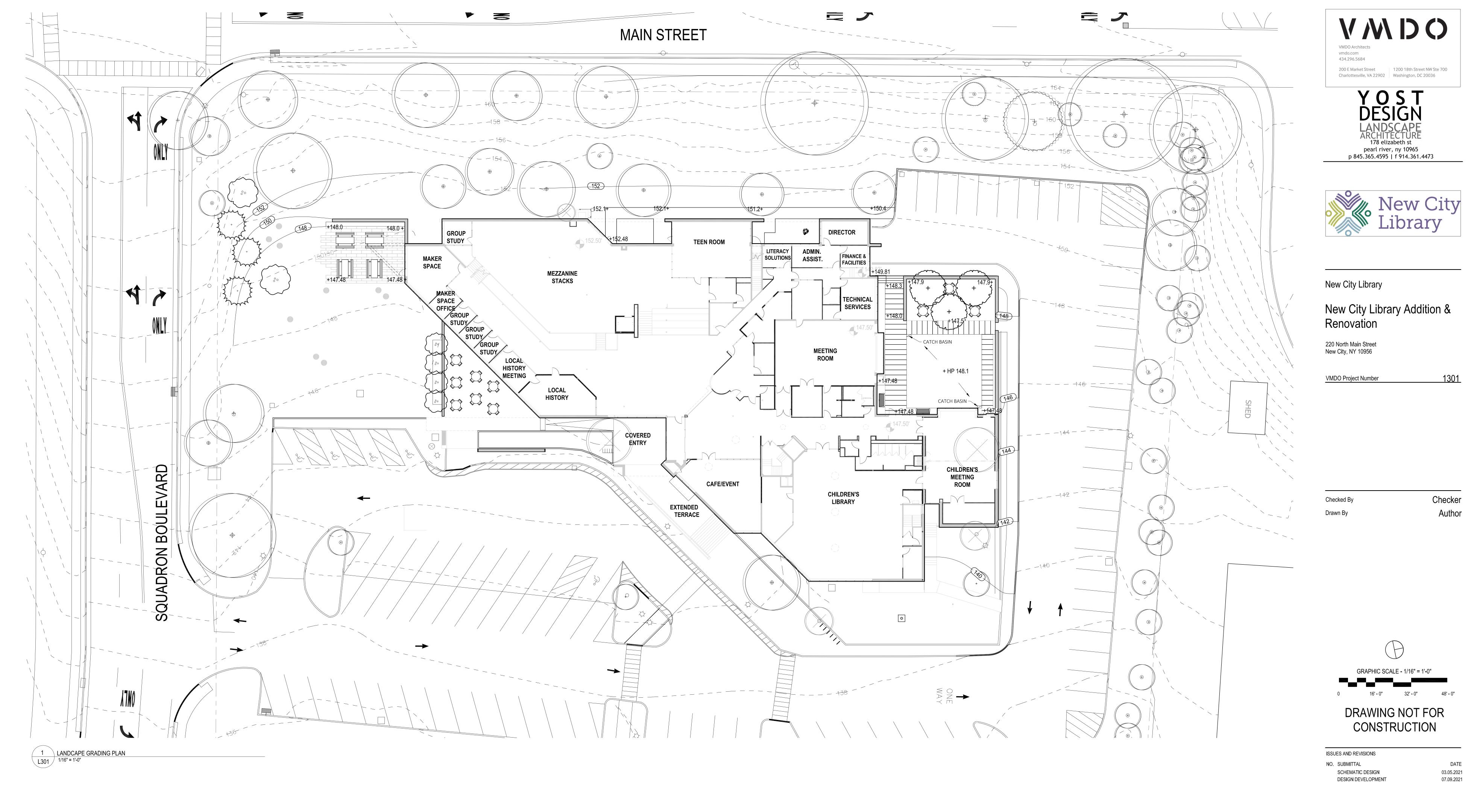
6. CONTRACTORS ARE TO EXERCISE EXTREME CARE IN BACKFILLING AND COMPACTING AND EXCAVATING OR TRENCHING IN AREAS PREVIOUSLY COMPACTED.

7. CONTRACTOR TO PROVIDE TEMPORARY TRAFFIC SIGNS WHERE NECESSARY, CONSISTENT WITH ALL RELEVANT BUILDING CODES.

#### LEGEND



**DECOMPOSED GRANITE DECORATIVE BOUILDER** 



#### **GENERAL NOTES**

1. SURVEY PROVIDED BY ATZL, NASHER & ZIGLER P.C.

INFORMATION FOR CONSTRUCTION PURPOSES.

CONSTRUCTION.

2. YOST DESIGN LLC TAKES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE SURVEY. IF THE CONTRACTOR DETERMINES INACCURACIES ON SITE, THE CONTRACTOR SHALL ALERT THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION OF ANY PART OF THE DESIGN AFFECTED BY THE PERCEIVED INACCURACY.

3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. THE CONTRACTOR TAKES FULL RESPONSIBILITY FOR ANY UTILITIES DAMAGED DUE TO NOT VERIFYING UTILITY LOCATIONS, AND WILL REPAIR ANY DAMAGE AT THE CONTRACTORS OWN EXPENSE.

4. THE CONTRACTOR SHALL OBTAIN ALL PERMITS FOR CONSTRUCTION ACTIVITIES AS REQUIRED BY THE LOCAL MUNICIPALITY, STATE AND FEDERAL REGULATIONS. ALL PERMITS SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF THE WORK ASSOCIATED WITH THE PERMIT. THE CONTRACTOR SHALL ABIDE BY ALL RULES AND REGULATIONS SET FORTH BY THE PERMITS REQUIRED FOR CONSTRUCTION ACTIVITIES.

5. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE CONSTRUCTION SITE IN AN ORDERLY CONDITION, STORE MATERIALS IN A PRE-DETERMINED LOCATION, MINIMIZE SITE DISTURBANCE, AND REMOVE ALL DEBRIS AND EXCESS MATERIAL FROM THE

6. THE CONTRACTOR SHALL MAINTAIN ANY EROSION CONTROL MEASURES UTILIZED ON SITE.

7. THESE PLANS ARE FOR APPROVAL PURPOSES ONLY. NO CONSTRUCTION MAY BEGIN PRIOR TO OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

8. FINAL PLANS ARE SUBJECT TO REQUIREMENTS OF CITY OF XXXXX ENGINEERING DEPT, STATE REGULATORY REQUIREMENTS, D.O.T. AND ANY OTHER COMMENTS OR REQUIREMENTS OF LOCAL STATE AND/OR OTHER GOVERNMENTAL AGENCIES WITH JURISDICTION OVER THIS PROPERTY.

9. SURVEY DATA, INCLUDING BOUNDARY LINES, TOPOGRAPHY, BUILDING LOCATIONS, UTILITIES, ETC. HAVE BEEN TAKEN FROM MAPPING PROVIDED TO YOST DESIGN, LLC BY OUTSIDE PARTIES WHICH MAY INCLUDE: LAND SURVEYORS, ARCHITECTS, SOIL SCIENTISTS, PROFESSIONAL ENGINEERS OR OTHER INDIVIDUALS WITH SPECIFIC INFORMATION PERTAINING TO THIS PROJECT. ADDITIONALLY, INFORMATION MAY HAVE BEEN COMPILED FROM SITE OBSERVATIONS AND/OR INFORMATION PROVIDED DIRECTLY BY THE PROPERTY OWNER. THIS DRAWING IS INTENDED FOR OVERVIEW REFERENCE PURPOSES OF LANDSCAPE FEATURES ONLY. IT MAY NOT DEPICT EXACT EXISTING CONDITIONS AND DOES NOT CONTAIN ADEQUATE

10. THE DATA SET THAT THIS INFORMATION REPRESENTS HAS BEEN PROVIDED TO YOST DESIGN, LLC FOR THE EXPLICIT PURPOSE OF DEVELOPING THESE PLANS AND PERFORMING THE WORK ASSOCIATED WITH THIS PROJECT. IT MAY NOT BE USED FOR ANY OTHER REASON WITHOUT THE EXPRESS CONSENT OF THE INDIVIDUALS WHO HAVE PREPARED THIS DATA. YOST DESIGN, LLC TAKES NO RESPONSIBILITY FOR THE ACCURACY OF THE DATA WHICH HAS BEEN PROVIDED. 11. PLEASE REFER TO THE APPROPRIATE DRAWINGS CONTAINED IN THE CONSTRUCTION DOCUMENT SET FOR SPECIFIC INFORMATION NEEDED TO EXECUTE THIS DESIGN.

12. IN ADDITION TO INFORMATION ON THIS SHEET, CONSULT DRAWINGS PREPARED BY THE SITE ENGINEER FOR ADDITIONAL INFORMATION RELATED TO SITE PREPARATION, DRAINAGE, UNDERGROUND UTILITIES AND OTHER SITE SPECIFIC INFORMATION. THIS PROJECT MAY INCLUDE SURFACE AND SUB-SURFACE STRUCTURES RELATING TO DRAINAGE, AND/OR SITE UTILITIES. IT WILL BE NECESSARY TO COORDINATE WITH PLANS PREPARED BY THE SITE ENGINEER FOR INFORMATION REQUIRED TO PROTECT, INSTALL, WORK WITH AND/OR MAINTAIN THESE SYSTEMS.

13. ANY STRUCTURAL WORK, UTILITY WORK, ARCHITECTURAL WORK OR DRAINAGE WORK SHALL BE UNDER THE DIRECTION AND AUTHORITY OF THE RESPECTIVE PROFESSIONALS DESIGNING AND COORDINATING THOSE ASPECTS OF THE PROJECT. ANY IMAGERY, DRAWINGS OR REPRESENTATIONS OF THESE ELEMENTS ON THE LANDSCAPE PLANS ARE FOR REFERENCE PURPOSES ONLY AND SHALL NOT BE USED FOR CONSTRUCTION.

14. RETAINING WALLS ARE SHOWN FOR SCHEMATIC PURPOSES ONLY ANY RETAINING WALL GREATER THAN 3' SHALL BE DESIGNED BY A STATE LICENSED STRUCTURAL ENGINEER AND SUBMITTED TO THE TOWN FOR APPROVAL PRIOR TO

#### GRADING NOTES

1. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START AND SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION.

2. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

3. GRADING AROUND EXISTING TREES TO BE MINIMIZED.

4. MINIMIZE IMPACT TO EXISTING, REMAINING LANDSCAPE WHILE EXCAVATING. GREAT CARE IS TO BE TAKEN TO AVOID DISTURBING ROOTS OF EXISTING TREES. HAND EXCAVATION AND/OR EXCAVATION WITH AN AIR SPADE WILL BE REQUIRED WHERE EXISTING TREE ROOTS ARE PRESENT.

5. ALL EXISTING UTILITY COVERS AND GRATES WITHIN THE AREA OF DISTURBANCE ARE TO BE ADJUSTED TO MEET PROPOSED GRADES.

6. THE CONTRACTOR SHALL FIELD VERIFY EXISTING TOPOGRAPHY PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS. ANY DISCREPANCIES WHICH WILL AFFECT THE WORK REQUIRED AS PART OF THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY REPORTED TO THE LANDSCAPE ARCHITECT.

7. ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, FENCING, TREES, ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OF OFF SITE.

8. CONTRACTOR SHALL REMOVE FROM THE SITE ALL DEBRIS AND UNSUITABLE MATERIAL GENERATED BY GRADING OPERATIONS.

9. KEEP WORK SPRINKLED TO PREVENT DUST. PROVIDE, ERECT AND MAINTAIN BARRICADES TO PROTECT THE GENERAL PUBLIC, WORKERS, AND ADJOINING PROPERTY.

10. SLOPE TRANSITION TO BE SMOOTH AND EVEN WITH NO ABRUPT CHANGES IN GRADE. SLOPE ALL SOILS AWAY FROM BUILDING AT MINIMUM OF 2%.

11. ALL GRAVEL, BROKEN GLASS, ASPHALT, WOOD AND CONCRETE CHUNKS SHALL BE REMOVED FROM PLANTING AREAS DURING FINE GRADING PROCEDURES. 12. FINE GRADING PROCEDURES SHALL INCLUDE EVENING OF GRADE AROUND ANY EXISTING UTILITY BOXES AND GRATES.

13. THE CONTRACTOR SHALL PLACE AMENDED ON-SITE STOCKPILED OR IMPORTED TOPSOIL TO ACHIEVE THE FINISH GRADES SHOWN ON THE GRADING AND DRAINAGE PLAN TO WITHIN THE TWO TENTHS OF

14. THE CONTRACTOR IS RESPONSIBLE FOR FINE GRADING AND POSITIVE SURFACE DRAINAGE IN ALL LANDSCAPED AREA.

A FOOT. THE CONTRACTOR IS RESPONSIBLE TO CALCULATE FILL SETTLEMENT.

### LEGEND

**EXISTING CONTOUR EXISTING SPOT GRADE** PROPOSED CONTOUR PROPOSED SPOT GRADE

**EXISTING TREE** 

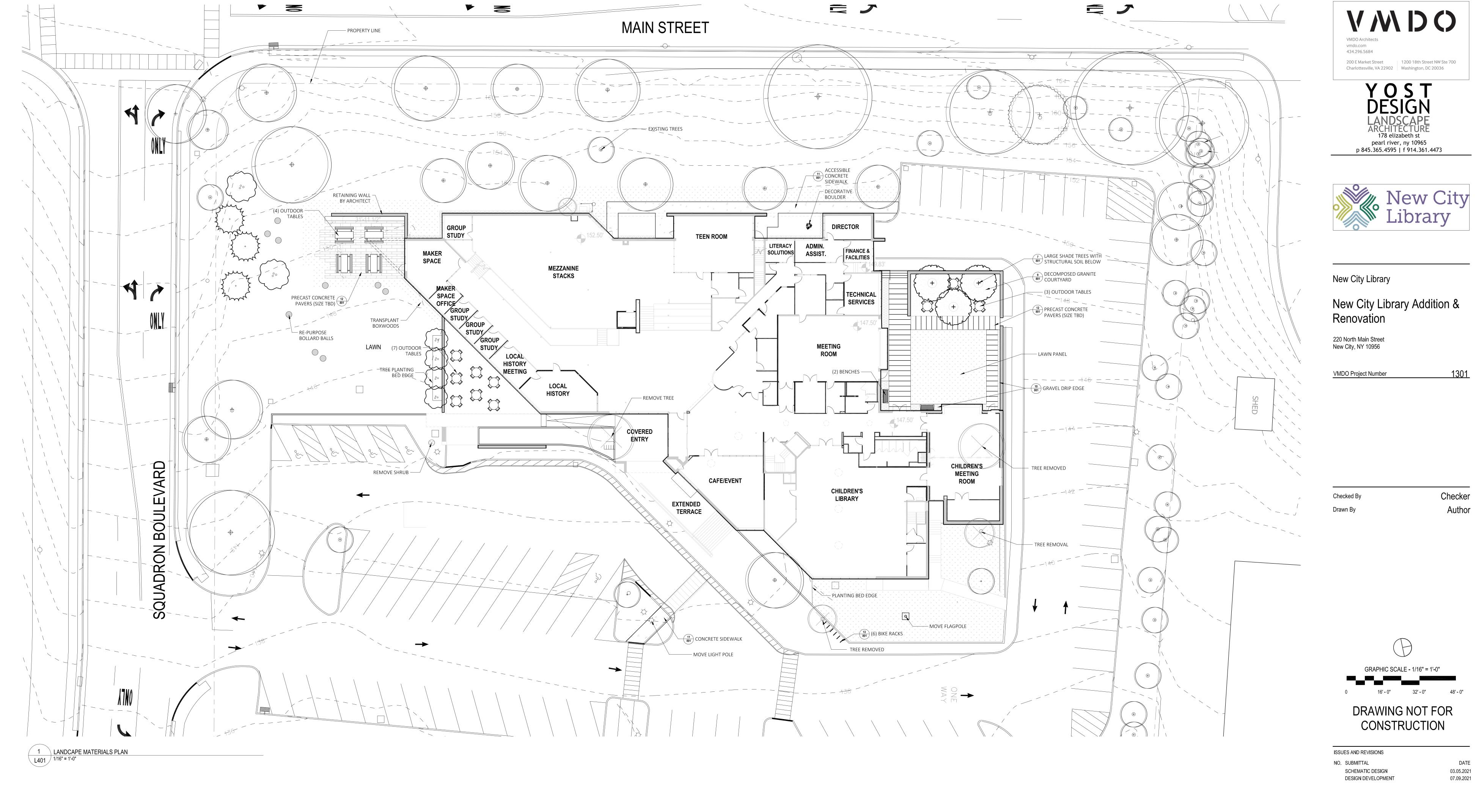
**EXISTING TREE OR SHRUB** TO BE REMOVED

TRANSPLANTED TREE OR SHRUB

PRECAST CONCRETE PAVERS

**DECOMPOSED GRANITE** 

**DECORATIVE BOUILDER** 



#### MATERIALS NOTES

1. CONTRACTOR SHALL NOTIFY ALL NECESSARY UTILITY COMPANIES 48 HOURS MINIMUM PRIOR TO DIGGING FOR VERIFICATION OF ALL UNDERGROUND UTILITIES, IRRIGATION AND OTHER ELEMENTS AND COORDINATE WITH THE LANDSCAPE ARCHITECT PRIOR TO INITIATING OPERATIONS. DRAWINGS ARE PREPARED ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARING THESE DOCUMENTS.

- 2. CONTRACTOR SHALL FAMILIARIZE HERSELF / HIMSELF WITH THE PROJECT SITE PRIOR TO BIDDING THE WORK.
- 3. CONTRACTOR SHALL FAMILIARIZE HERSELF / HIMSELF WITH EXISTING SITE CONDITIONS PRIOR TO INITIATING CONSTRUCTION. ALL EXISTING ROADS, PARKING LOTS, CURBS, UTILITIES, SEWERS AND OTHER ELEMENTS TO REMAIN SHALL BE FULLY PROTECTED FROM ANY DAMAGE UNLESS OTHERWISE NOTED.
- 4. REPORT ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND FIELD CONDITIONS TO THE LANDSCAPE ARCHITECT IMMEDIATELY. FOLLOW THE LANDSCAPE ARCHITECT'S INSTRUCTIONS ON RESOLVING ANY DISCREPANCIES.
- 5. CONTRACTOR SHALL COORDINATE ALL WORK WITH RELATED CONTRACTORS AND WITH THE GENERAL CONSTRUCTION OF THE PROJECT IN ORDER NOT TO IMPEDE THE PROGRESS OF THE WORK OF OTHERS OR THE CONTRACTOR'S OWN WORK.
- 6. CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY MEASURES DURING CONSTRUCTION OPERATIONS TO PROTECT THE PUBLIC ACCORDING TO ALL APPLICABLE CODES AND RECOGNIZED LOCAL PRACTICES.
- 7. CONTRACTOR SHALL COORDINATE ACCESS AND STAGING AREAS WITH THE LANDSCAPE ARCHITECT.

  8. ALL PAVEMENT JOINTS ARE TO BE PARALLEL, PERPENDICULAR OR TANGENT TO ADJACENT LINES UNLESS NOTED OTHERWISE. LAYOUT CURVILINEAR JOINTS AS INDICATED ON THE DRAWINGS FOR APPROVAL BY
- LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
- 9. ALL PAVEMENT SHALL BE STAKED IN THE FIELD USING LAYOUT GEOMETRY INDICATED ON THE SITE LAYOUT PLANS, PRIOR TO CONSTRUCTION ALIGNMENT MAY BE ADJUSTED TO ACCOMMODATE EXISTING DRAIN INLETS, MANHOLES, OR OTHER SITE ELEMENTS.
- 10. CONTRACTOR SHALL SUBMIT SAMPLES OF EACH PAVING TYPE FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION ACCORDING TO THE SPECIFICATIONS. THEY ARE TO REVIEW THE SAMPLES TO UNDERSTAND THE LEVEL OF QUALITY OF VARIOUS FINISHES.
- 11. MAINTAIN ALL EXISTING EROSION AND SEDIMENTATION CONTROL MEASURES (SILT FENCE, ORANGE GEO FENCE AND/ OR OTHER MEASURES) DURING CONSTRUCTION. PROVIDE ADDITIONAL MEASURES AS NECESSARY TO MINIMIZE ADVERSE IMPACTS TO THE WATER BODIES, EXISTING PARKING LOTS, ETC. ACCORDING TO ALL APPLICABLE FEDERAL/ STATE LAW AND REGULATION.
- 12. SEE ENGINEERS PLANS AND DETAILS FOR CONCRETE EXPANSION JOINTS AND CONTROL JOINTS (IF APPLICABLE)
- 13. REFER TO GRADING PLANS FOR PAVEMENT ELEVATIONS. MATCH GRADES WITH EXISTING CONDITIONS. MAKE SURE THAT ABUTTING PAVEMENT SURFACES ARE FLUSH WITHIN 1/8" TOLERANCES. ALL HARDSCAPE SURFACES SHALL HAVE A CROSS SLOPE NO GREATER THAN 2% UNLESS OTHERWISE NOTED.
- 14. REFER TO PLANS FOR GENERAL LIMITS OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
- 15. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL/ PROTECTION BY LOCALLY APPROVED MEANS AND MAINTAINING EROSION CONTROLS ALREADY IN PLACE. CONTRACTOR SHALL ADHERE TO ALL GOVERNING CODES AND REQUIREMENTS.

- 16. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- 17. CONTRACTOR SHALL CLEAN THE WORK AREAS AT THE END OF EACH WORKING DAY, RUBBISH AND DEBRIS SHALL BE COLLECTED AND LEGALLY DEPOSITED OFF SITE DAILY. ALL MATERIALS, PRODUCTS, AND EQUIPMENT SHALL BE STORED IN AN ORGANIZED FASHION AS DIRECTED BY LANDSCAPE ARCHITECT.
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION OF ALL DRAIN INLETS, CATCH BASINS, YARD DRAINS AND MANHOLES INDICATED ON THE PLANS UNDER PREVIOUS CONSTRUCTION.

  19. THE CONTRACTOR, PRIOR TO BEGINNING ANY UNDERGROUND EXCAVATION, BORING, PILE DRIVING, BLASTING OR PLANTING MUST FIRST OBTAIN AN EXCAVATION PERMIT FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR MUST CALL THE APPROPRIATE AGENCIES AT LEAST 72 HOURS PRIOR TO PLANNED EXCAVATION. THE CONTRACTOR SHALL COMPLY WITH STATE AND LOCAL LAWS AND REGULATIONS REGARDING NOTIFICATION OF EXISTING GAS AND OIL PIPELINES. EVIDENCE OF SUCH NOTICE SHALL BE FURNISHED TO THE CONTRACTOR PRIOR TO EXCAVATING. THE CONTRACTOR SHALL COORDINATE FULLY WITH THE LANDSCAPE ARCHITECT FOR ALL EXCAVATION PERMITS AND NOTIFICATION NECESSARY PRIOR TO INITIATING ALL WORK.
- 20. CONTRACTOR TO COORDINATE HER / HIS WORK WITH THE WORK OF THE OTHER CONTRACTORS WORKING ON THIS PROJECT. THE CONTRACTOR SHALL VERIFY THE CONDITION AND COMPLETENESS OF ALL WORK PERFORMED BY OTHERS IN RELATION TO HER / HIS PROJECT WORK RESPONSIBILITIES INCLUDING THE CHECKING OF EXISTING ELEVATIONS OR STRUCTURES PRIOR TO INITIATING CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT IF ANY OF THESE SITE CONDITIONS ARE INCOMPLETE, MISSING OR DAMAGED. ANY ADJUSTMENTS REQUIRED TO THE CONDITION, COMPLETENESS AND/ OR ELEVATION OF HER/ HIS WORK SHALL BE PERFORMED BY OTHERS.
- 21. ALL PAVEMENT SURFACES SHALL BE CONSTRUCTED TO POSITIVELY DRAIN AWAY FROM VERTICAL ELEMENTS SUCH AS BUILDINGS, WALLS, COLUMNS, ETC. TOWARD AND INTO DRAINAGE STRUCTURES SHOWN ON THE DRAWINGS. WALKWAYS LOCATED WITH EXISTING TREE AREAS SHALL BE LOCATED IN THE FIELD TO MINIMIZE DISTURBANCE OF EXISTING TREES.
- 22. ALL HARDSCAPE ANGLES ARE 45 DEGREES OR 90 DEGREES UNLESS OTHERWISE NOTED.23. WALLS, FENCES, RAMPS, STAIRS, WALKS AND TRELLISES ARE TO BE STAKED IN THE FIELD AND FINAL LOCATION IS TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
- 23. WALLS, FENCES, RAMPS, STAIRS, WALKS AND TRELLISES ARE TO BE STAKED IN THE FIELD AND FINAL LOCATION IS TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CO

  24. REFER TO ARCHITECTURAL DRAWINGS FOR ALL BUILDING DIMENSIONS AND SITE LAYOUT AND GRADING. REFER TO DRAWINGS FOR OVERALL SITE LAYOUT AND GRADING.
- 25. WRITTEN DIMENSIONS WILL PREVAIL ON THIS PLAN. DO NOT SCALE FROM THESE PLANS.

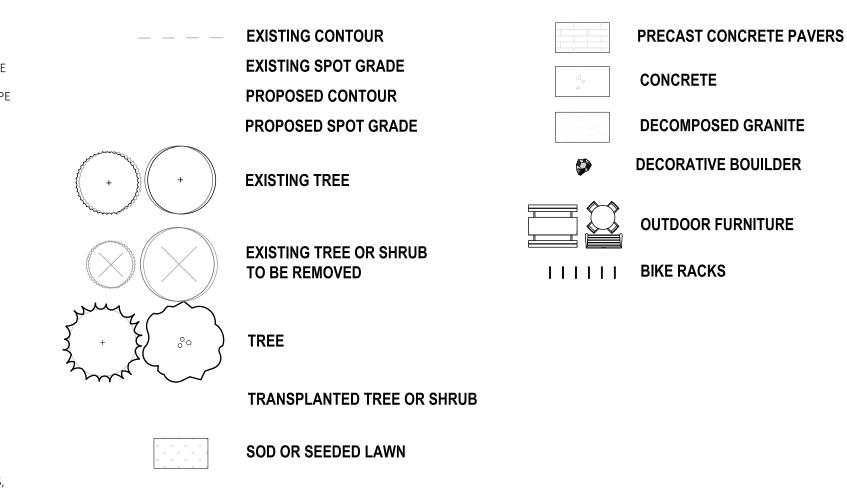
CONSTRUCTION AND REMAIN UNTIL PROJECT SITE CONSTRUCTION COMPLETION.

- 26. SURVEY AND SITE LAYOUT ARE ASSUMED TO BE ACCURATE, HOWEVER, REPORT ANY DISCREPANCIES TO LANDSCAPE ARCHITECT.
- 27. ALL ELECTRICAL ELEMENTS IN THIS DRAWING PACKAGE INCLUDING, BUT NOT LIMITED TO PEDESTRIAN LIGHTS, STREET LIGHTS, PARKING LOT LIGHTS, BOLLARD LIGHTS, UPLIGHTS, ETC. SHALL BE REVIEWED AND VERIFIED OR ADJUSTED IN FIELD BY ELECTRICAL ENGINEER AND LIGHTING CONSULTANT PRIOR TO CONSTRUCTION OF SUCH ITEMS.
- 28. ALL STRUCTURAL ELEMENTS IN THIS DRAWING PACKAGE INCLUDING, BUT NOT LIMITED TO, FOOTINGS, WALLS, COLUMNS, FOUNTAINS, SHALL BE REVIEWED AND VERIFIED OR ADJUSTED IN FIELD BY STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION OF SUCH ITEMS.

  29. CONTRACTOR IS TO PROVIDE SHOP DRAWINGS AND FIELD MOCKUPS TO THE LANDSCAPE ARCHITECT FOR FINAL REVIEW AND APPROVAL PRIOR TO CONSTRUCTION FOR THE FOLLOWING ITEMS: ALL PAVING TYPES,
- 30. ANY AND ALL REFERENCES IN THESE PLANS AND SPECIFICATIONS (CONSTRUCTION DOCUMENTS) TO BE BRANDED PRODUCTS, PROCEDURES OR PATENTED PROCESSES ARE ASSUMED TO CARRY AN IMPLIED STATE OF "OR APPROVED EQUAL" UNLESS SPECIFICALLY NOTED OTHERWISE WITH "NO SUBSTITUTIONS PERMITTED".

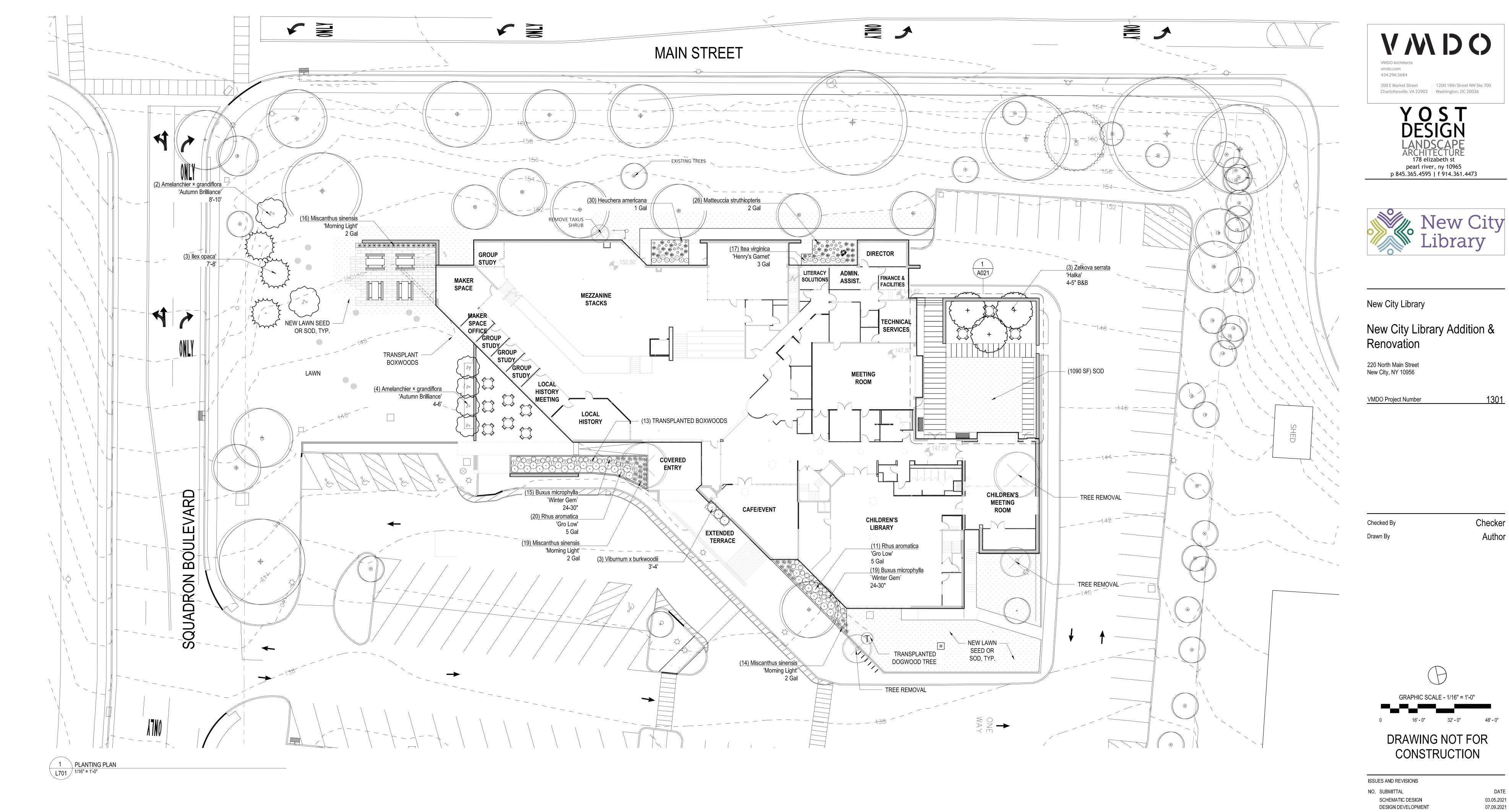
ALL ELEMENT TYPES IN THE SITE FURNISHINGS SCHEDULE, AS WELL AS, ENTRY COLUMN STONE LOGO PLACARD. MOCKUPS WILL BE SET UP IN A SECURED PORTION OF THE SITE FOR REFERENCE THROUGHOUT





LANDSCAPE - MATERIALS

L401
DESIGN DEVELOPMEN



PLANT SCHEDULE										
QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS						
TREES										
6	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	8-10'	Multi stem						
3	llex opaca	American Holly	7-8'							
3	Zelkova serrata 'Halka'	Japanese Zelkova 'Halka'	4-5"							
<b>SHRUBS</b>										
34	Buxus microphylla 'Wintergem'	Wintergem Boxwood	24-30"							
17	ltea virginica 'Henry's Garnet'	Virginia Sweetspire	3 Gallon							
31	Rhus aromatica 'Gro-Low'	Gro Low Sumac	5 Gallon							
3	Viburnum x burkwoodii	Burkwood Viburnum	3-4'							
<u>GRASSES</u>										
49	Miscanthus sinensis 'Morning Light'	Morning Light Grass	2 Gallon							
<u>PERENNIAL</u>	<u>S</u>									
30	Heuchera americana	Coralbell	1 Gallon							
<u>FERNS</u>										
26	Matteuccia strethiopteris	Ostrich Fern	2 Gallon							

#### PLANTING NOTES

1. PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED; INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS, AND CLEAN-UP.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT. LAYOUT TO BE APPROVED BY LA PRIOR TO INSTALLATION.

3. PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY; HAVE NORMAL GROWTH HABITS; WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND

5. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISIONS SHALL BE MADE FOR A GROWTH GUARANTEE OF AT LEAST ONE YEAR FROM THE DATE OF ACCEPTANCE FOR TREES AND SHRUBS. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT

6. INSOFAR AS IT IS PRACTICABLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT, IRRIGATE & CARE FOR STOCK NOT PLANTED. 7. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI 260 (REV. 1980) "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.

8. ALL PLANTS SHALL BE PLANTED IN AMENDED TOP SOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACK FILLING PROGRESSES. PLANTING MIX TO BE AS SHOWN ON PLANTING DETAILS. LARGE PLANTING AREAS TO INCORPORATE FERTILIZER AND SOIL CONDITIONERS AS STATED IN PLANTING SPECIFICATIONS.

9. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE BALL ONLY.

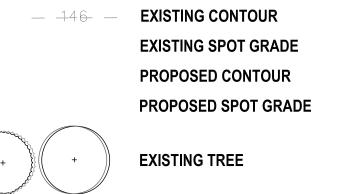
10. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION.

12. SET ALL PLANTS PLUMB AND STRAIGHT. SET AT SUCH LEVEL THAT A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE PLANT IN THE

- 13. ALL INJURED ROOTS SHALL BE PRUNED UTILIZING CLEAN, SHARP TOOLS TO MAKE CLEAN ENDS BEFORE PLANTING.
- 14. EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE NATURAL CHARACTER OF PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS.
- 16. ALL PLANTING BEDS SHALL BE MULCHED WITH 2" LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH.
- 17. ALL DISTURBED AREAS TO BE TREATED WITH 3" TOP SOIL & SEEDED IN ACCORDANCE WITH PERMANENT STABILIZATION METHODS.

11. NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO FEET FROM EXISTING STRUCTURES AND SIDEWALKS.

#### LEGEND

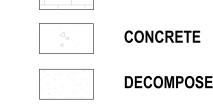


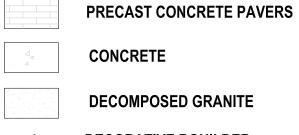
**EXISTING TREE OR SHRUB** 

TRANSPLANTED TREE OR SHRUB

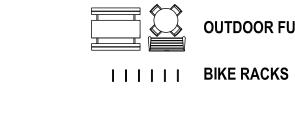
SOD OR SEEDED LAWN

TO BE REMOVED









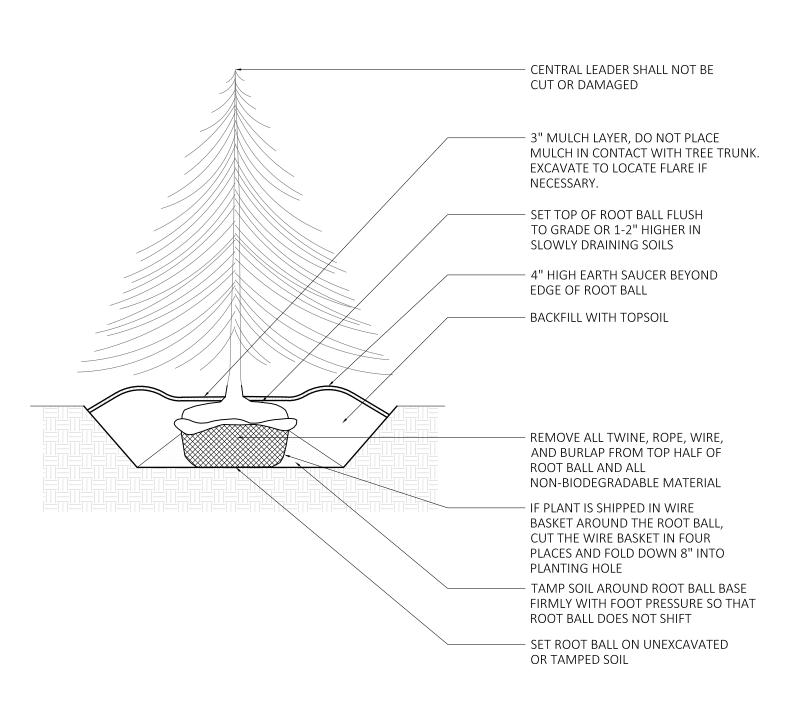


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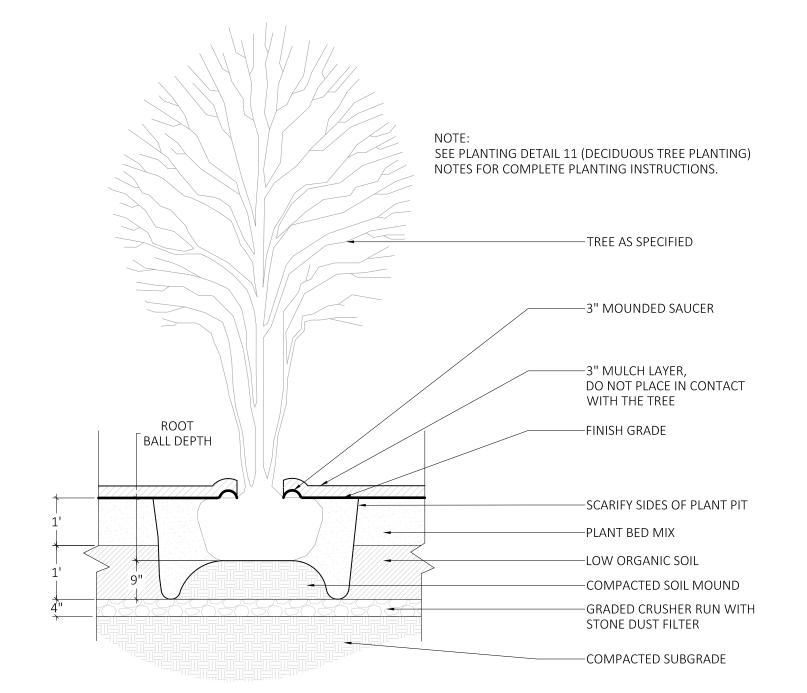
**Author** 

03.05.2021

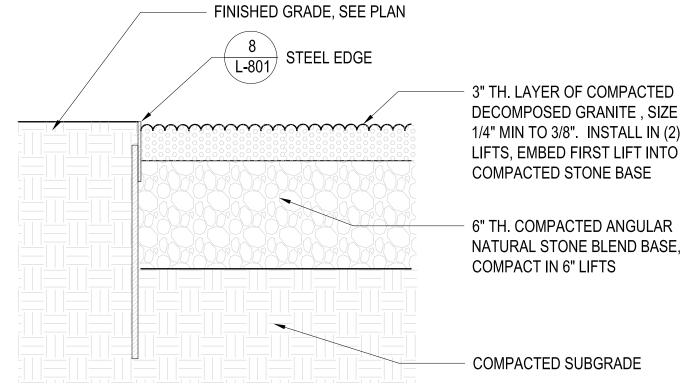
07.09.2021



1 EVERGREEN TREE PLANTING L-801 SCALE: 1/4"=1'

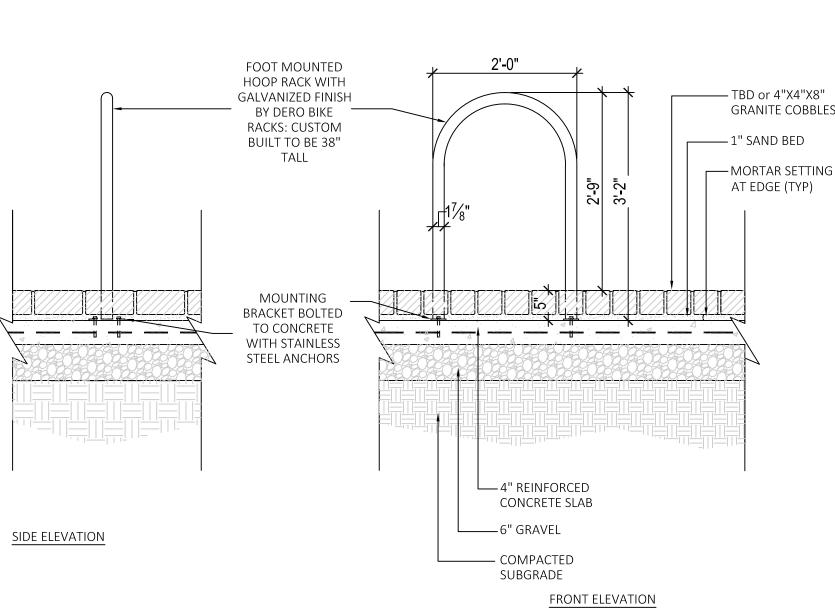


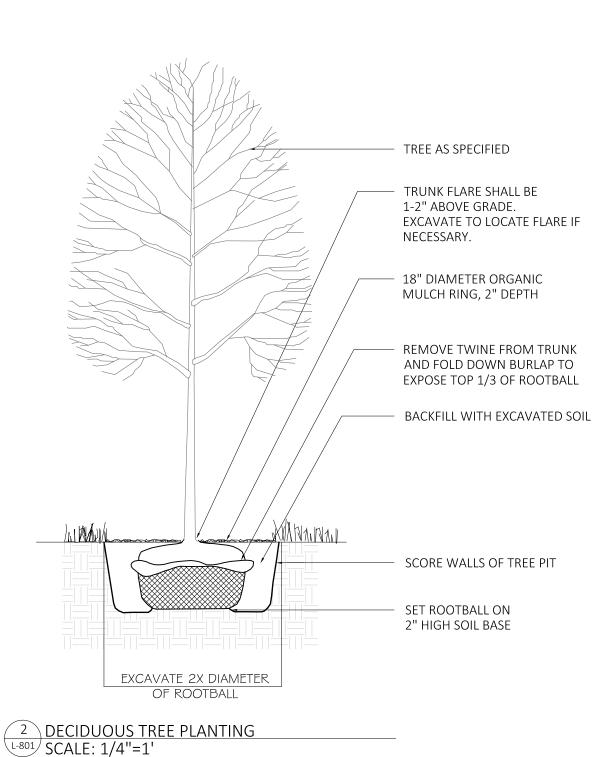
5 MULTISTEM TREE PLANTING SCALE: 1/2"=1



9 DECOMPOSED GRANITE L-801 SCALE: 1-1/2"=1'-0"

BIKE RACK ELEVATION SCALE: 3/4"=1"





### NOTES:

– EXISTING TREE TO BE PROCTECTED

POSTS INSTALLED AT 8' O.C.

ROOT ZONE PROTECTION)

STORED INSIDE OF THE FENCING.

NOTES:

ORANGE PLASTIC BARRIER FENCE WITH STEEL

1. ORANGE BARRIER FENCING SHALL BE USED TO

PROTECT ALL EXISTING TREES AND ROOT ZONES.

2. FENCING SHALL CREATE A ZONE OF PROTECTION WITH

A MINIMUM RADIUS OF 1' FROM TREE TRUNK FOR EVERY 1" OF OF TRUNK DIAMETER (I.E. 12"DBH TREE=12' RADIUS

3. NO CONSTRUCTION MATERIALS OR DEBRIS SHALL BE

4. THE FENCING SHALL BE INSTALLED PRIOR TO THE

COMMENCEMENT OF CONSTRUCTION ACTIVITIES, AND

5. THE OWNER SHALL BE INFORMED IMMEDIATELY OF

ANY DAMAGE TO EXISTING TREES TO BE PRESERVED,

INCLUDING BARK AND BRANCH DAMAGE.

SHALL BE REMOVED WHEN CONTRUCTION IS COMPLETE.

SET TREE PLUMB.

2. DO NOT STAKE UNLESS DIRECTED TO DO SO BY LANDSCAPE ARCHITECT 3. REMOVE COMPLETELY ANY NON-BIODEGRADABLE MATERIALS BINDING THE ROOTBALL.

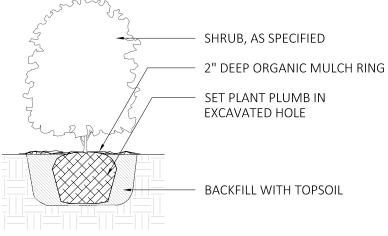
4. REMOVE WIRE BASKET COMPLETELY IF ROOTBALL WILL BARE. OTHERWISE, CLIP AND PEEL BACK WIRE BASKET AT LEAST ONE THIRD OF THE WAY FROM THE TOP OF THE ROOTBALL.

6. DO NOT ADD ANY SOIL AMENDMENTS OTHER THAN COMPOST UNLESS

5. SATURATE SOIL WITHIN SIX (6) HOURS OF PLANTING AND WATER AS

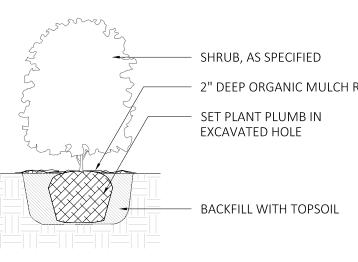
NECESSARY UNTIL IRRIGATION IS INSTALLED.

DIRECTED TO BY LANDSCAPE ARCHITECT. 7. DO NOT ADD ANY SOIL OR MULCH AGAINST TRUNK OF TREE. IF ROOT FLARE IS NOT EXPOSED, REMOVE SOIL AND EXPOSE.



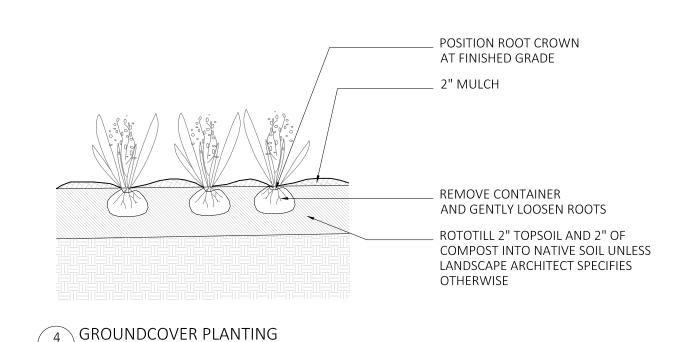
NOTES:

L-801 SCALE:1/2"=1'

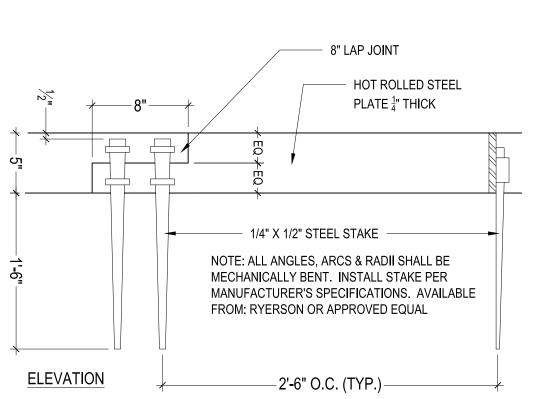


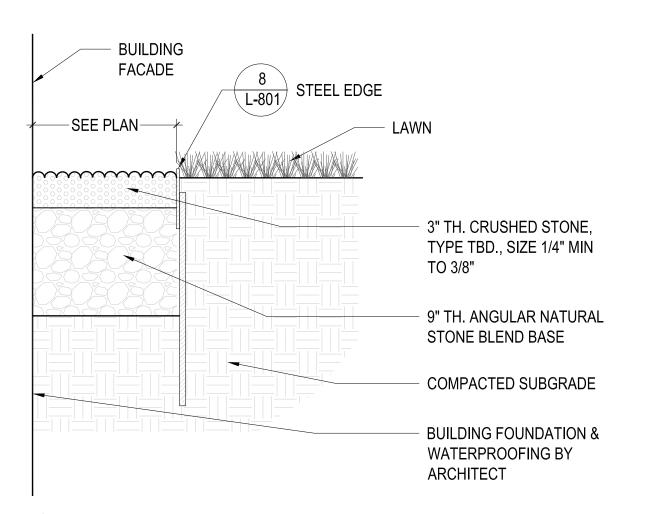
1. FOR B & B PLANT MATERIAL, REMOVE ALL TWINE AND ROLL BACK BURLAP FROM TOP 1/2 OF BALL. IF ANY MATERIALS USED TO BIND THE ROOTBALL ARE NON-BIODEGRADEABLE, REMOVE COMPLETELY INCLUDING WIRE BASKET. 2. FOR CONTAINER GROWN PLANT MATERIAL, REMOVE CONTAINER. TO HELP PREVENT LOOSENING OF SOIL AND SCARIFY BALL TO HELP PREVENT GIRDLING 3. SATURATE SOIL WITHIN SIX (6) HOURS OF PLANTING, AND WATER AS NECESSARY UNTIL IRRIGATION INSTALLED.

4. NO MULCH OR SOIL SHOULD BE PLACED AGAINST THE PLANT'S TRUNK.



TREE AS SPECIFIED TRUNK FLARE SHALL BE 1-2" ABOVE GRADE. EXCAVATE TO LOCATE FLARE IF NECESSARY. 18" DIAMETER ORGANIC MULCH RING, 2" DEPTH REMOVE TWINE FROM TRUNK AND FOLD DOWN BURLAP TO EXPOSE TOP 1/3 OF ROOTBALL - BACKFILL WITH EXCAVATED SOIL PAVING TBD SCORE WALLS OF TREE PIT STRUCTURAL SOIL SET ROOTBALL ON 2" HIGH SOIL BASE EXCAVATE 2X DIAMETER OF ROOTBALL





—MAX DISTANCE 8'———

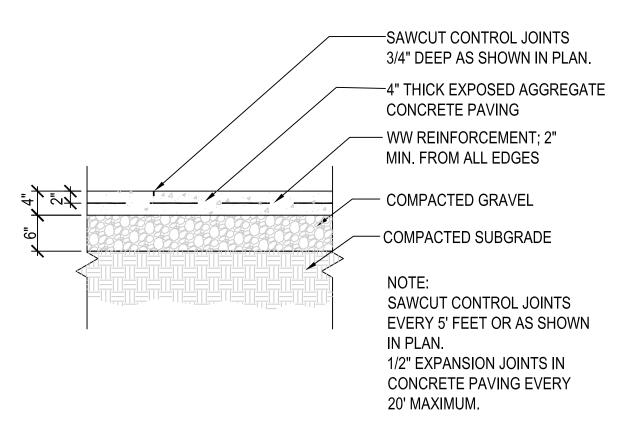
10 GRAVEL DRIP EDGE

L-801 SCALE: 1-1/2"=1'-0"

6 TREE PROTECTION

L-801 SCALE: 1/4"=1'

—DRIP LINE—

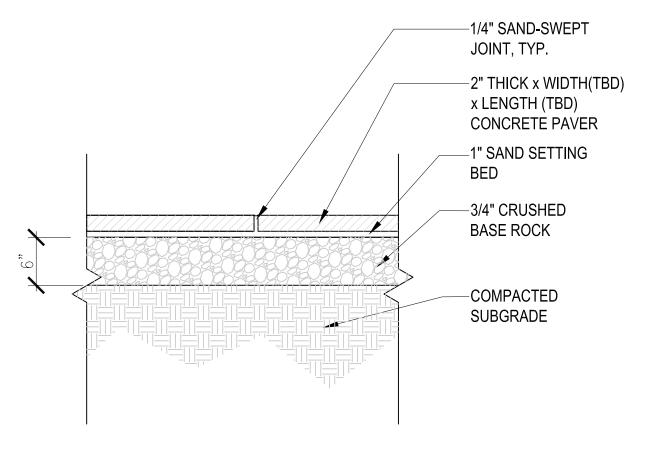


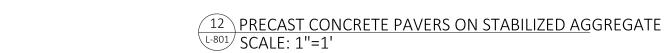
11 CONCRETE SIDEWALK

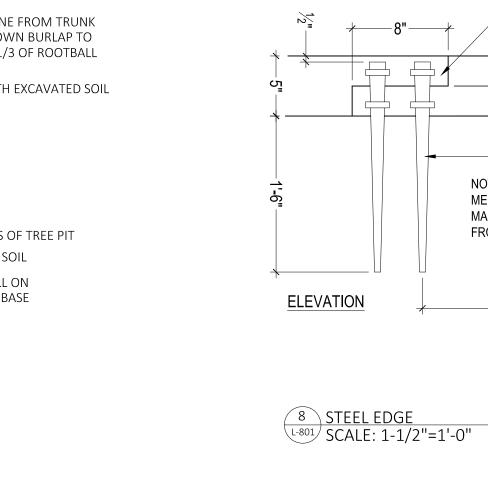
L-801/SCALE: 3/4"=1'

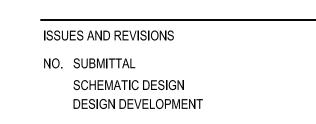
7 STRUCTURAL SOIL

SCALE: 1/4"=1'









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

DRAWING NOT FOR

CONSTRUCTION

32' - 0"

VWDO

200 E Market Street 1200 18th Street NW Ste 700

Charlottesville, VA 22902 Washington, DC 20036

178 elizabeth st

pearl river, ny 10965

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New City Library Addition &

Checker

**Author** 

DATE

03.05.2021

07.09.2021

vmdo.com

434.296.5684

New City Library

Renovation

220 North Main Street New City, NY 10956

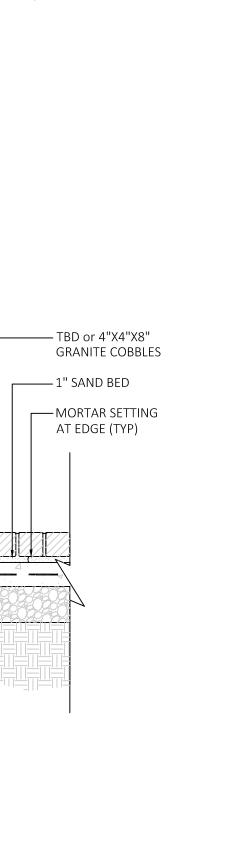
VMDO Project Number

Checked By

Drawn By

LANDSCAPE - DETAILS





### **GENERAL NOTES**

- 1. BUILDING CODE:
- A. THESE PLANS HAVE BEEN PREAPRED IN ACCORDANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, AND THE 2020 EXISTING BUILDING CODE OF NEW YORK STATE. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THIS CODE, ITS LATEST ADOPTED
- AMENDMENTS, AND LOCAL REQUIREMENTS. a. AMERICAN INSTITUTE OF CIVIL ENGINEERS "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" ASCE 7-16
- b. AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL c. AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR STRUCTURAL
- STEEL BUILDINGS" AISC 360-16 d. AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR MASONRY
- STRUCTURES" ACI 530-14
- A. THE FOLLOWING ITEMS REQUIRE SUBMITTAL OF SHOP AND ERECTION DRAWINGS FOR REVIEW AND APPROVAL:
- a. REINFORCING STEEL FOR CAST-IN-PLACE CONCRETE b. STRUCTURAL STEEL
- c. STEEL DECKING AND STUD LAYOUT d. COMPOSITE DRAWING OF ALL SLAB PENETRATIONS
- e. CONCRETE CONSTRUCTION AND CONTRACTION JOINTS f. SLAB ON GRADE JOINT LAYOUTS B. THE FOLLOWING ITEMS REQUIRE SUBMITTAL OF SHOP AND ERECTION DRAWINGS AND STRUCTURAL CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER
- REGISTERED IN THE STATE OF THIS PROJECT FOR REVIEW AND APPROVAL: a. PRECAST CONCRETE - PLANK, WALL PANELS, ETC. b. EXTERIOR CURTAINWALLS, COLD-FORMED STEEL FRAMING, AND STOREFRONTS.
- c. SKYLIGHTS. d. EXCAVATION SUPPORT, SHEETING, OR BENCHING WHERE SOILS REQUIRE SUCH BY
- VIRTUE OF OSHA REQUIREMENTS (ALL EXCAVATIONS GREATER THAN 5-FT REQUIRE SPECIFIC TRENCHING CONSIDERATIONS) OR SOIL CONDITIONS.
- e. STRUCTURAL STEEL CONNECTIONS f. SPECIAL STRUCTURES AS DEFINED IN THE CONTRACT DOCUMENTS
- a. CONCRETE MIX DESIGNS C. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD A SUBMITTAL SCHEDULE A MINIMUM OF 15 BUSINESS DAYS PRIOR TO THE ISSUANCE OF THE FIRST SUBMITTAL
- PACKAGE FOR REVIEW AND APPROVAL. D. THE CONTRACTOR SHALL ALLOW FOR A MINIMUM REVIEW TIME OF 10 BUSINESS DAYS ON AVERAGE BY THE ENGINEER OF RECORD PLUS ANY ADDITIONAL TIME REQUIRED BY OTHER DESIGN PROFESSIONALS. SUBMITTAL PACKAGES SHALL BE BROKEN UP AND SCHEDULED SUCH THAT THE RATE OF REVIEW EXPECTED OF THE STRUCTURAL ENGINEER DOES NOT
- EXCEED THE FOLLOWING: a. STRUCTURAL STEEL: 80 SHEETS / WEEK (1 PC / SHEET) 80 SHEETS / WEEK

20 SHEETS / WEEK

(IBC 1704.2.5)

(IBC 1704.6)

(IBC 1705.2)

(IBC 1705.3)

(IBC 1705.4)

(IBC 1705.6)

(IBC 1705.8)

(IBC 1705.10)

(IBC 1705.11)

(IBC 1705.12)

(IBC 1705.13)

(AISC 318 17.8.2)

1000 SHT / WEEK (1 PC / SHEET)

- b. STRUCTURAL PRECAST CONCRETE: c. CONCRETE REINFORCEMENT:
- d. WOOD WALL PANEL / FLOOR TRUSS:
- e. COLD-FORMED WALL PANEL / FLOOR FRAMING: 1000 SHT / WEEK (1 PC / SHEET) E. SUBMITTALS ISSUED TO THE DESIGN TEAM FOR REVIEW SHALL BEAR THE CONTRACTOR'S STAMP OF APPROVAL CERTIFYING THAT ALL FIELD MEASUREMENTS, CONSTRUCTION CRITERIA, MATERIAL, ETC. HAVE BEEN VERIFIED AND EACH SHEET HAS BEEN REVIEWED FOR COMPLETENESS, COORDINATION BETWEEN TRADES, AND COMPLIANCE WITH THE CONTRACT DOCUMENTS. FURTHER, STRUCTURAL SHOP DRAWINGS WILL ONLY BE REVIEWED ONCE ANY REQUIRED CALCULATION PACKAGES FOR THE ASSOCIATED WORK HAVE BEEN ISSUED ALONG WITH A SIGNED AND SEALED LETTER BY THE CONTRACTOR'S ENGINEER CERTIFYING THAT THE SHOP DRAWINGS HAVE PROPERLY INCORPORATED THEIR DESIGN, IN ACCORDACNE WITH THE 2010 AISC CODE OF STANDARD PRACTICE SECTION 3.1.2 (OPTION 3), OTHERWISE THE SUBMITTAL PACKAGE WILL BE REJECTED.
- A. AS PER IBC CHAPTER 17, THE FOLLOWING ITEMS ARE SUBJECT TO SPECIAL INSPECTION BY AN INDEPENDENT INSPECTION AND/OR TESTING AGENCY HIRED BY THE OWNER AND APPROVED BY THE ARCHITECT AND BUILDING OFFICIAL. OWNER/SPECIAL INSPECTOR SHALL
- PROVIDE SPECIAL INSPECTION REPORTS WITHIN (5) DAYS OF PERFORMING THE INSPECTION AND IMMEDIATELY NOTIFY THE ENGINEER OF NON-COMPLIANCE ITEMS.
- a. INSPECTION OF OF FABRICATIONS b. STRUCTURAL OBSERVATIONS
- c. STEEL CONSTRUCTION STRUCTURAL STEEL (SEE AISC 360-10 CHAP. N) (IBC 1705.2.1)
- d. CONCRETE CONSTURCTION e. MASONRY CONSTRUCTION
- f. SOILS g. CAST-IN-PLACE DEEP FOUNDATIONS
- h. FABRICATED ITEMS i. WIND RESISTANCE
- j. SEISMIC RESISTANCE k. TESTING FOR SEISMIC RESISTANCE I. POST-INSTALLED ANCHORS
- 4. ALL WORK SHALL BE COORDINATED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. CONFLICTS IN DIMENSIONS AND INTERFERENCES SHALL BE DIRECTED TO THE ARCHITECT / ENGINEER PRIOR TO CONSTRUCTION OF WORK. 5. CONTRACTOR SHALL VERIFY BUILDING LOCATION WITH REGARD TO PROPERTY LINE AND VERIFY ALL EXISTING CONDITIONS BEFORE EXCAVATION AND SHOP DRAWING PREPARATION. NOTIFY THE ARCHITECT / ENGINEER OF ANY DISCREPANCIES.
- 6. THE DESIGN AT THE EXISTING PART OF THE BUILDING WHICH WILL REMAIN IS BASED ON IMCOMPLETE INFORMATION ABOUT THE EXISTING STRUCTURE, THE SIZE AND DEPTH OF EXISTING FOUNDATION. AS THE WORK PROGRESSES, THE CONTRACTOR SHALL PROVIDE THE ARCHITECT / ENGINEER WITH FIELD INFORMATION ABOUT THE EXISTING FOUNDATION AND STRUCTURAL MEMBERS AND WILL FOLLOW ANY CHANGES THAT WILL BE REQUIRED BY THE ENGINEER DUE TO UNANTICIPATED FIELD CONDITIONS. 7. IN THE CASE OF CONTRADICTION BETWEEN THE DRAWINGS, SPECIFICATIONS, AND CODES, OR
- IF ANY CHANGE IS REQUIRED, THE CONTRACTOR SHALL INFORM THE ARCHITECT / ENGINEER IMMEDIATELY. NO CHANGE SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE ARCHITECT. 8. ALL DIMENSIONS AND DETAILS FOR ESCALATOR AND ELEVATORS SHALL BE VERIFIED WITH ESCALATOR AND ELEVATOR CERTIFIED DRAWINGS PRIOR TO CONSTRUCTION. ADJUST OPENING SIZES, DETAILS, AND FRAMING AS REQUIRED TO CONFORM TO THE CERTIFIED DRAWINGS. CONTRACTOR SHALL SUPPLY ANY SUPPLEMENTAL STEEL FRAMING FOR SUPPORT
- OF ESCALATORS AND ELEVATORS NOT SHOWN ON THE STRUCTURAL DRAWINGS. 9. THE STABILITY OF THE STRUCTURE, ADJACENT STRUCTURES IMPACTED BY THE WORK, AND SITE SAFETY ARE THE CONTRACTOR'S RESPONSIBILITY UNTIL CONSTRUCTION IS COMPLETE AND THE STRUCTURAL HAS REACHED ITS FINAL CONDITION. THE CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY BRACING, ERECTION PIECES, CONSTRUCTION SUPPORTS, FALL PROTECTION, DEBRIS CATCHES, TEMPORARY SHORING, ETC. AS REQUIRED TO
- SAFEGUARD THE SITE THROUGHOUT THE COURSE OF CONSTRUCTION. 10. THE CONTRACTOR SHALL VERIFY THAT ANY CONSTRUCTION LOADS DO NOT EXCEED THE
- DESIGN CAPACITY OF THE STRUCTURE. 11. VIBRATION EQUIPMENT SHALL BE MOUNTED ON VIBRATION ISOLATORS.

#### **DESIGN LOADS**

<u>DEAD & LIVE LOADS:</u>
A. FLOOR LIVE LOADS HAVE BEEN REDUCED IN ACCORDANCE WITH CODE FOR GIRDER, COLUMNS, AND FOUNDATIONS.

**ROOF SNOW LOAD PARAMETERS:** A. GROUND SNOW LOAD:

- $P_g = 30 PSF$  $C_e = 1.00$
- B. SNOW EXPOSURE FACTOR: C. SNOW THERMAL FACTOR:  $C_t = 1.00$ D. SNOW IMPORTANCE FACTOR  $I_{S} = 1.00$
- E. FLAT ROOF SNOW LOAD:  $P_f = 21 PSF$ WIND LOAD PARAMETERS:
- A. ULTIMATE DESIGN WIND SPEED, V<sub>ULT</sub>: 115 MPH (3-SEC GUST) B. NOMINAL DESIGN WIND SPEED, V<sub>ASD</sub>: 93 MPH (3-SEC GUST)
- C. WIND RISK CATEGROY: D. EXPOSURE CATEGORY: E. INTERNAL PRESSURE COEFF.  $C_p = \pm 0.18$
- A. SEISMIC RISK CATEGORY
- B. SITE CLASS: C. SEISMIC DESIGN CATEGORY: D. SEISMIC IMPORTANCE FACTOR:  $I_e = 1.00$ E. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS:
- a. 0.2-SEC. SPECTRAL ACCELERATION: S<sub>S</sub> = .294g b. 1-SEC. SPECTRAL ACCELERATION:  $S_1 = .0061g$
- F. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS: a. 0.2-SEC. SPECTRAL ACCELERATION: S<sub>DS</sub> = .307g b. 1-SEC. SPECTRAL ACCELERATION: S<sub>D1</sub> = .0098g
- G. SEISMIC FORCE RESISTING SYSTEM: STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
- H. SEISMIC SP.RESPOSNE COEFFICIENT: C<sub>S</sub> = .154 I. RESPONSE MODIFICATION FACTOR: R = 2.0
- J. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE K. DESIGN BASE SHEAR: 15.5 KIPS

#### **SERVICABILITY**

- 1. THE NEW STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING DEFLECTION AND DRIFT
- A. LIVE LOAD DEFLECTION: B. LONG-TERM TOTAL LOAD DEFLECTION: L / 240
- C. LATERAL WIND DRIFT: H / xxx D. LATERAL SEISMIC DRIFT:
- E. SPANDREL BEAM LIVE LOAD DEFLECTION: ± XX" 2. ALL FACADE CURTAINWALLS, STOREFRONTS, AND NEW STRUCTURAL PARTITIONS SHALL BE DESIGNED TO ACCOMODATE BUILDING MOVEMENT.

#### **DEMOLITION NOTES**

- 1. DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION, THE GENERAL CONTRACTOR SHALL MAINTAIN STRUCTURAL INTEGRITY OF STRUCTURES TO BE DEMOLISHED AND ADJACENT FACILITIES TO REMAIN, WITH INTERIOR OR EXTERIOR SHORING, BRACING OR SUPPORT TO
- PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF STRUCTURES. 2. EXISTING STRUCTURES TO REMAIN SHALL BE SAFED-OFF AND PROTECTED FROM ELEMENTS
- 3. CONTRACTORS ARE REQUIRED TO EXAMINE THE DRAWINGS CAREFULLY, VISIT THE SITE, AND FULLY INFORM THEMSELVES AS TO ALL EXISTING CONDITIONS AND LIMITATIONS, PRIOR TO SUBMITTING THEIR PROPOSAL. FAILURE TO VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND LIMITATIONS WILL IN NO WAY RELIEVE SUCCESSFUL BIDDER FROM FURNISHING ALL MATERIALS OR PERFORMING ANY WORK THAT MAY BE REQUIRED TO COMPLETE THE WORK, IN ACCORDANCE WITH THE DRAWINGS AND WITHOUT ADDITIONAL COST TO THE OWNER.
- . THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BY MEASUREMENTS AT THE JOB SITE AND SHALL TAKE ANY AND ALL OTHER MEASUREMENTS NECESSARY TO VERIFY THE DRAWINGS AND TO ALLOW PROPER PERFORMANCE OF HIS WORK. ANY DISCREPANCY BETWEEN THE DRAWINGS AND THE MEASURED DIMENSIONS OF THE EXISTING STRUCTURE SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT. NO WORK SHALL PROCEED UNTIL SUCH DISCREPANCY HAS BEEN RECTIFIED. SUCH DISCREPANCIES BETWEEN THE DRAWINGS AND THE MEASURED DIMENSIONS SHALL NOT BE THE REASON FOR ANY EXTRA COST OR DELAY IN THE EXECUTION OF THE WORK AND THE WORK SHALL BE PERFORMED PER INTENT OF THE CONTRACT DOCUMENTS AT NO EXTRA COST TO THE OWNER.
- 5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO WORK WITH THE STRUCTURAL DRAWINGS AND THE ARCHITECTURAL DRAWINGS TO DETERMINE THE FULL EXTENT OF THE WORK. IN CASE OF CONFLICT BETWEEN THE STRUCTURAL DRAWINGS AND OTHER CONTRACT DRAWINGS, THE CONTRACTOR SHALL BRING SUCH CONFLICTS TO THE ATTENTION OF THE
- ARCHITECT. 6. WHERE EXISTING WORK IS TO BE CUT, UNDERPINNED AND/OR SHEETED, CONTRACTOR TO PROVIDE ALL SHEETING, SHORING, NEEDLING, BRACING, WEDGING AND DRY-PACKING AND BE
- RESPONSIBLE FOR THE SAFETY OF THE STRUCTURE DURING THIS OPERATIONS AT NO EXTRA COST TO THE OWNER. 7. SHORING, UNDERPINNING AND SHEETING SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER
- WITH AT LEAST FIVE YEARS EXPERIENCE IN THE DESIGN OF THE ABOVE AND BE LICENSED IN THE STATE OF (NEW YORK).
- 8. CONTRACTOR SHALL BE REQUIRED TO REPAIR AND PATCH ANY AREAS THAT ARE ALTERED OR DAMAGED DURING THE PROCESS OF THE ALTERATION AT NO EXTRA COST TO THE OWNER. 9. CONTRACTOR IS CAUTIONED TO MAKE CONTINUOUS OBSERVATIONS OF EXISTING STRUCTURE DURING THE PERFORMANCE OF HIS WORK, SHOULD HE BECOME AWARE OF ANY SITUATIONS THAT REQUIRE FURTHER INVESTIGATION OR STUDY (SUCH AS CRACKS IN CONCRETE AND

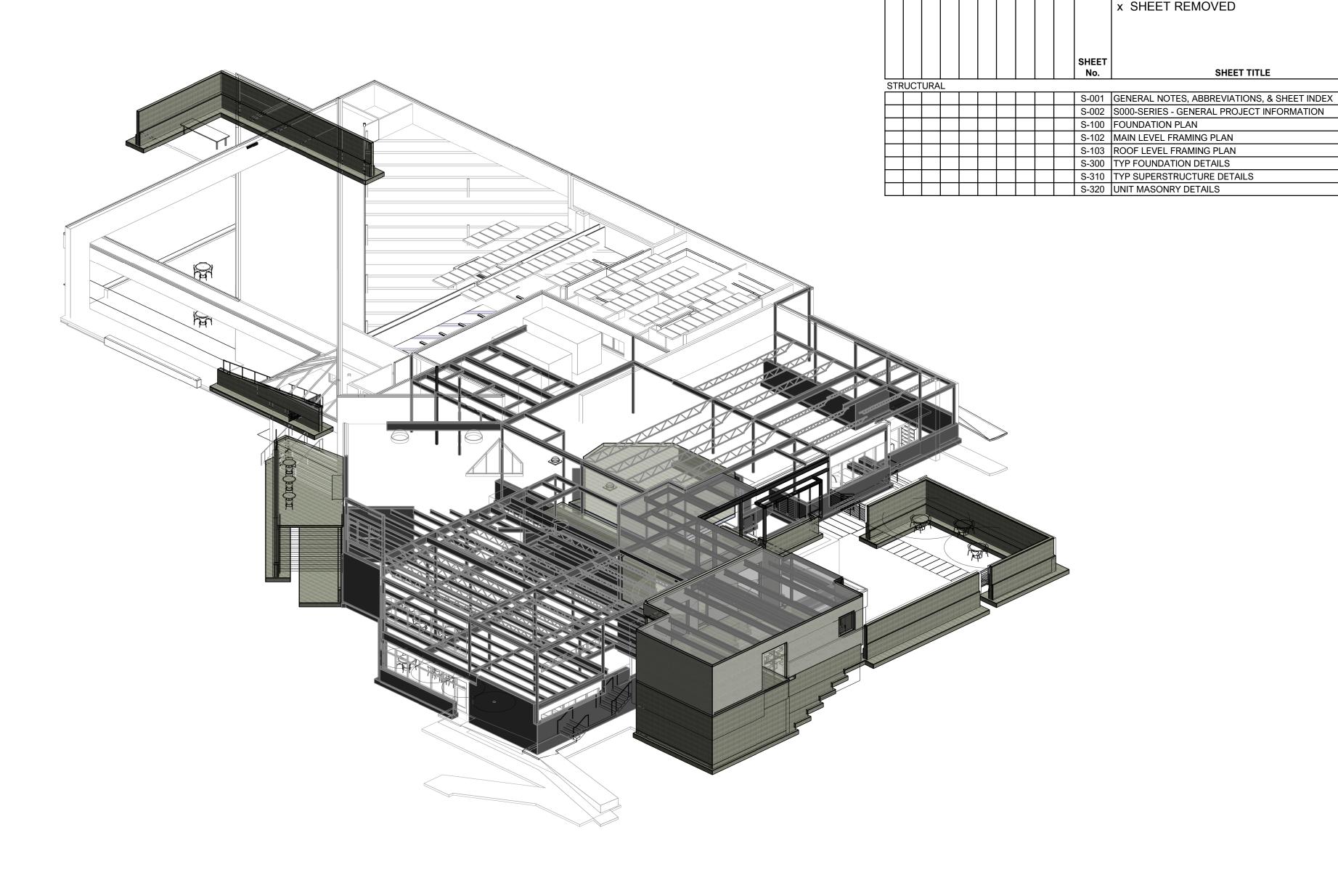
PARTITIONS, DETERIORATION OF EXISTING STRUCTURE TO REMAIN, EXCESSIVE

DEFLECTIONS...), HE SHALL NOTIFY THE ARCHITECT IMMEDIATELY.

10. ALL DIMENSIONS INDICATED ON THE DRAWINGS ARE APPROXIMATE AND SHALL NOT BE USED FOR ORDERING AND/OR FABRICATING MATERIALS. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO ORDERING AND/OR FABRICATING MATERIALS. THE LOCATIONS OF THE EXISTING COLUMNS, BEAMS AND GIRDERS ARE INDICATED ON PLANS AND ARE BASED ON AVAILABLE INFORMATION. IF EXISTING CONSTRUCTION IS FOUND TO BE DIFFERENT THAN THAT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL BRING VARIATIONS TO THE ATTENTION OF THE ARCHITECT AND PREPARE THE NECESSARY SKETCHES OF THE AS-BUILT

CONSTRUCTION AND SUBMIT THE SAME TO THE ARCHITECT FOR REVIEW AND REDESIGN.

SHOP DETAILS FOR ALL WORK TO BE SUBMITTED FOR REVIEW.



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#### **ABBREVIATIONS**

ABV. ADD'L	ADDITIONAL	LB or #	LEFT END
AESS	ARCHITECTURALLY EXPOSED	LG.	LONG or LENGTH
ALOO	STRUCTURAL STEEL	LUH	LONG LEG HORIZONTAL
ALT.	ALTERNATE	LLV	LONG LEG VERTICAL
ARCH.	ARCHITECTURAL	L.W.	LONG WAY
	7.1.0	L.P.	LOW POINT
B or BOT.	BOTTOM	LVL	LAMINATED VENEER LUMBER
BAL.	BALANCE		
BLDG.	BUILDING	MAX.	MAXIMUM
BLW.	BELOW	MEP	MECHANICAL, ELECTRICAL, PLUMBING
BM	BEAM	MFGR	MANUFACTURER
BP	BEARING PLATE or BASE PLATE	MIN.	MINIMUM
BRG.	BEARING	MECH.	MECHANICAL
BTW.	BETWEEN	MISC.	MISCELLANEOUS
		MO	MASONRY OPENING
C	CAMBER	MOM.	MOMENT
CANT.	CANTILEVER	MTL.	METAL
CFMF	COLD-FORMED METAL FRAMING	NTO	NOT TO COM 5
CL or 6	CENTERLINE	NTS	NOT TO SCALE
CLR.	CLEAR	NIC	NOT IN CONTRACT
CIP	CAST-IN-PLACE	NS	NEAR SIDE
CMU COL.	CONCRETE MASONRY UNIT COLUMN	o/c	ON CENTER
CONC.	CONCRETE	0.D.	OUTSIDE DIAMETER
CONN. or CXN.	CONNECTION	O.D. OPNG.	OPENING
CONST.	CONSTRUCTION	OPP.	OPPOSITE
CONT.	CONTINUOUS	OIT.	OTT GOTTE
COORD.	COORDINATE	PAF	POWDER-ACTUATED FASTENER
		PL or IL	PLATE
DEPR.	DEPRESSION	PSI	POUNDS PER SQUARE INCH
DEG. or °	DEGREE	PSF	POUNDS PER SQUARE FOOT
DFT	DRY FILM THICKNESS	PSL	PARALLEL STRAND LUMBER
DIA. or Ø	DIAMETER	PT	POST-TENSIONED
DIM(S)	DIMENSION(S)		
DWG	DRAWING	QTY.	QUANTITY
DWL(S)	DOWEL(S)	_	DARWIG
<b>- ^</b>	F4011	R	RADIUS
EA. EE	EACH EACH END	re Reinf.	RIGHT END REINFORCING
EF	EACH FACE	REINF. REF.	REFERENCE
EL. or ELEV.	ELEVATION	REQ'D	REQUIRED
EOS	EDGE OF SLAB	I LQ D	NEGOINED
EQ	EQUAL	SC	SLIP CRITICAL
EW	EACH WAY	SCHED.	SCHEDULE
EX. or EXIST.	EXISTING	SIM.	SIMILAR
EXP.	EXPANSION	SOG	SLAB ON GRADE
		SS	STAINLESS STEEL
FLR.	FLOOR	STIFF.	STIFFENER
F.O.	FACE OF	STL.	STEEL
FRP	FIBERGLASS REINFORCING	STRUCT.	STRUCTURE or STRUCTURAL
	POLYMER	SYMM.	SYMMETRY or SYMMETRICAL
FS	FAR SIDE	S.W.	SHORT WAY
FT or '	FOOT (FEET)	<del>-</del>	TOD
FTG.	FOOTING	T	TOP
Fy	YIELD STRESS	TG	TRANSFER GIRDER
GA.	GAGE	THK. TLS	THICK OF THICKNESS
GA. GALV.	GALVANIZED	TYP.	TENSION LAP SPLICE TYPICAL
GALV. GR.	GRADE	HIF.	LIFICAL
OIV.	OI VIDE	U.O.N.	UNLESS OTHERWISE NOTED
HOR.	HORIZONTAL	O.O.IN.	CALLOG CHILIWIOL NOTED
H.P.	HIGH POINT	VA.	VARIES
		VERT.	VERTICAL
ID	INSIDE DIAMETER	VIF	VERIFY IN FIELD
IN or "	INCH(ES)		
INT.	INTERMÉDIATE	W/	WITH
		WP	WORK POINT

KIPS (1 KIP = 1,000 POUNDS) KIPS PER SQUARE FOOT KIPS PER SQUARE INCH

LB or #

POUND (FORCE)

WELDED WIRE FABRIC

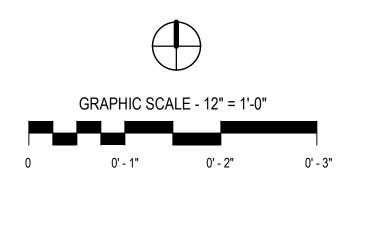
SHEET INDEX

• ISSUED - NEW SHEET

● ISSUED - REVISION MADE

ISSUED - NO REVISION MADE

SHEET TITLE

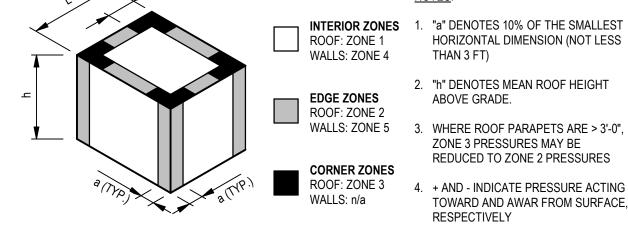


ISSUES AND REVISIONS NO. SUBMITTAL

GENERAL NOTES,

ABBREVIATIONS, &

SHEET INDEX



**COMPONENTS & CLADDING WIND PRESSURES** 

WIND AREA

INTERIOR ZONES 1. "a" DENOTES 10% OF THE SMALLEST HORIZONTAL DIMENSION (NOT LESS 2. "h" DENOTES MEAN ROOF HEIGHT 3. WHERE ROOF PARAPETS ARE > 3'-0", ZONE 3 PRESSURES MAY BE REDUCED TO ZONE 2 PRESSURES

TABLE 1 - NEGATIVE WALL & ROOF PRESSURES

500 SF -23.6 -31.7 -31.7 -19.6 -19.6

ZONE 2 ZONE 3 ZONE 4 -49.7 -67.7 -25.7

-29.4 -39.1 -46.5 -22.1 -24.6

TABLE 2 - POSITIVE WALL PRESSURES WIND AREA (SQ. FT.) HEIGHT ABOVE 10 SF 100 SF 500 SF GROUND, Z (FT) ZONES 4 & 5 WALL PRESSURES (PSF) <15 23.6 20.1 17.6

#### **FOUNDATION NOTES**

- A. THE FOUNDATIONS HAVE BEEN DESIGNED TO AN ALLOWABLE SOIL BEARING PRESSURE OF 4000 PSF BASED ON A SOILS REPORT ISSUED BY CARLIN-SIMPOSON & ASSOCIATES DATED MAY 26, 2021. THIS CAPACITY SHALL BE VERIFIED BY A REGISTERED SOILS ENGINEER.
- SHOULD CONDITIONS VARY FROM THOSE ASSUMED, NOTIFY THE ARCHITECT / ENGINEER PRIOR TO CONTINUATION OF WORK. B. ALL FOOTINGS SHALL BE PLACED DIRECTLY ON COMPETENT NATURAL, GRANULAR SOILS OR ENGINEERED CERTIFIED COMPACTED FILL OVER COMPETENT NATURAL SOILS. C. ALL FILL SHALL BE PLACED IN EIGHT INCH LOOSE LIFTS (MAXIMUM) COMPACTED WITH VIBRATORY ROLLERS. FILL MATERIAL SHALL BE TESTED BY MODIFIED PROCTOR DENSITY
- METHOD (ASTM D1557) AND MUST QUALIFY AS SELECT, WITH LESS THAN 10% PASSING THROUGH THE NO. 200 SIEVE. SOIL SHALL BE PLACED WITH MOISTURE CONTENT AND ENERGY TO PROVIDE 92% OF MAXIMUM DRY DENSITY BELOW SLABS ON GRADE AND 95% BELOW FOOTINGS. IN PLACE DENSITY TESTS SHALL BE TAKEN FOR EACH 10,000 S.F. IN EACH LIFT. FOR ACCEPTANCE OF SOIL. AVERAGE OF DENSITY TESTS MUST EXCEED THE SPECIFIED COMPACTION. NO TESTS SHALL BE PERMITTED TO FALL BELOW 88% COMPACTION BELOW SLABS ON GRADE OR 90% COMPACTION BELOW FOOTINGS.

#### 2. SHALLOW FOUNDATIONS

- A. ALL EXTERIOR FOOTINGS SHALL BE PLACED A MINIMUM OF 42 INCHES BELOW FINAL GRADE WHEN BEARING ON SOIL. B. WHERE NECESSARY, FOOTING STEPS SHALL BE CONSTRUCTED AT MAXIMUM SLOPE OF 1
- VERTICAL TO 2 HORIZONTAL. C. WHERE ROCK OUTCROPPINGS ARE ENCOUNTERED IN A BUILDING FOUNDATION BEARING ON SOIL, SUCH OUTCROPPING OR INTERFERENCE SHALL BE REMOVED TO A DEPTH 12 INCHES BELOW BOTTOM OF FOOTING AND REPLACED WITH CLEAN GRANULAR MATERIAL CONTAINING LESS THAN 15% SILT, COMPACTED TO 95% MAXIMUM DENSITY PER MODIFIED PROCTOR METHOD. MAINTAIN A MINIMUM COVER OF \_\_\_\_\_ TO BOTTOM OF CONCRETE. D. WHERE SOLID UNFRACTURED ROCK IS ENCOUNTERED FOR A WALL LENGTH OF AT LEAST 25 FEET, WALLS MAY BE PLACED WITHOUT FOOTINGS BY TRENCHING 6 INCHES INTO THE ROCK AND PINNING THE WALL TO ROCK WITH DOWELS TO MATCH VERTICAL REINFORCING.

GROUTED INTO ROCK, EXTENDING 24 BAR DIAMETERS INTO ROCK. NO FROST PROVISIONS

ARE REQUIRED FOR THIS DETAIL. PROVIDE CONTROL JOINT IN WALL AT ANY TRANSITION

- BETWEEN ROCK BEARING AND SOIL BEARING CONDITIONS. E. EXCAVATIONS SHALL BE DEWATERED TO ALLOW INSTALLATION OF FOOTINGS IN DRY
- ATMOSPHERE. F. DIFFERENTIAL BACKFILL AGAINST FOUNDATION WALLS SHALL NOT EXCEED FOUR FEET UNTIL TOP BRACING SLAB OR FORMWORK HAS BEEN IN PLACE FOR A MINIMUM OF THREE DAYS. CANTILEVERED RETAINING WALLS MAY BE BACKFILLED AFTER 14 DAYS FROM CONCRETE PLACEMENT, BUT IN NO CASE SHALL DIFFERENTIAL OF BACKFILL, ON OPPOSITE SIDES OF THE WALL, EXCEED THE FINAL DESIGN DIFFERENTIAL
- G. ALL BOTTOM OF FOOTING ELEVATIONS ARE SUBJECT TO CHANGE UPON INSPECTION OF SOIL CONDITION. ELEVATION OF ADJACENT FOOTING BOTTOMS SHALL NOT EXCEED A 1H:1V FOR COHESIVE SOILS WITH AN UNCONFINED COMPRESSIVE STRENGTH GREATER
- THAN 0.5 TSF. 1 1/2H:1V FOR COHESIVE SOILS WITH AN UNCONFINED COMPRESSIVE STRENGTH OF 0.5 TSF OR LESS H. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHERE BOTTOM OF FOOTING ELEVATION
- IS CHANGED AND OBTAIN REVISED DESIGN OF FOUNDATION AND RETAINING WALLS AS

#### CONCRETE DEBAR I AR SRI ICE & HOOK I ENGTHS (INCHES)

	CC	NCRE	ETE RE	EBAR LAP S	PLICE	Ξ&	& F	НО	OK	LEN	IGTH	IS (I	NC	HES	)
щ		TEN	SION	COMPRESSION	S X										
BAR SIZE	d <sub>b</sub>	CONCR	ETE STRE	ENGTH (f'c), PSI	ANDARD HOOK										
BAF	(in)	4,000	5,000	≥ 3,000	STA 90°										
#3	0.375	19	17	12	6										
#4	0.25	25	22	15	8										
#5	0.625	31	28	19	10										
#6	0.75	37	33	23	12										
#7	0.875	54	49	27	14										
#8	1.00	62	53	30	16										
#9	1.125	70	63	34	19										
#10	1.27	79	71	39	22										
#11	1.56	87	78	43	24										
VOTE	00110	FIENOT	LIO INIDIO	ATED ADOVE OUAL		. TID	-101.11	150.1	DV 711		0147.5	40705			

- NOTE: SPLICE LENGTHS INDICATED ABOVE SHALL BE MULTIPLIED BY THE FOLLOW FACTORS: A. BAR WITH MORE THAN 12" OF FRESH CONCRETE BELOW LAP..... 1.3
- CLEAR COVER < 2 x db FOR ALL OTHER BARS.... D. LIGHTWEIGHT CONCRETE...

C. CLEAR COVER < db FOR BARS ENCLOSED BY STIRRUPS OR

B. CLEAR COVER < db ...

#### CAST-IN-PLACE CONCRETE

A. ALL CONCRETE WORK SHALL CONFORM TO REQUIREMENTS OF THE ACI BUILDING CODE REQUIREMENT FOR STRUCTURAL CONCRETE (ACI 318-1.4. ULTIMATE STRENGTH DESIGN). B. 28-DAY MINIMUM COMPRESSIVE STRENGTH AND RELATED PROPERTIES FOR CONCRETE

SHALL BE AS FOLLOWS:										
	F'c	MAX W/C RATIO	MAX DENSITY							
FOOTINGS	4000 PSI	0.40	NWC (145 PCF)							
SLAB ON GRADE	4,500 PSI	0.40	NWC (145 PCF)							
WALLS	5,000 PSI	0.40	NWC (145 PCF)							
BEAMS & SLABS	5,000 PSI	0.40	NWC (145 PCF)							
SLABS ON M.D.	4,000 PSI	0.40	LWC (110 PCF)							
COLUMNS	5,000 PSI	0.40	NWC (145 PCF)							
CONCRETE COVER	ING OF REINFO	ORCING STEEL (INCLUDIN	IG TIES AND STIRRUPS SHA							

- CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS: 3/4" SLABS AND WALLS WITH INTERIOR EXPOSURE 1-1/2" SLABS AND WALLS WITH EXTERIOR EXPOSURE FOR #5 OR SMALLER, 2" OTHERWISE
- 1-1/2" BEAMS AND COLUMNS WITH INTERIOR EXPOSURE BEAMS AND COLUMNS WITH EXTERIOR EXPOSURE
- FOUNDATION WALL, FOOTING & GRADE BEAM FACES NOT CAST AGAINST EARTH CONCRETE CAST AGAINST EARTH D. ALL CONCRETE, INCLUDING FOUNDATIONS, EXPOSED TO WEATHER AND/OR OUTSIDE THE
- BUILDING ENVELOPE SHALL BE AIR ENTRAINED, 6% ± 1.5% BY VOLUME FOR 3/4" COARSE AGGREGATE, AND 7.5% ± 1.5% BY VOLUME FOR 3/8" LIGHT WEIGHT AGGREGATE. AIR ENTRAINING ADMIXTURE TO COMPLY WITH ASTM C260. E. ALL PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE II.
- F. ALL NORMAL WEIGHT AND LIGHT WEIGHT CONCRETE AGGREGATE SHALL CONFORM TO ASTM C33 AND ASTM C330 RESPECTIVELY.
- G. MAXIMUM CONCRETE SLUMP SHALL BE 4" FOR CONCRETE NOT RECEIVING HIGH-RANGE WATER REDUCING ADMIXTURES.
- H. ALL BARS MARKED CONTINUOUS SHALL BE LAPPED AT SPLICES AND CORNERS IN ACCORDANCE WITH THE SCHEDULE SHOWN ON THESE DRAWINGS, EXCEPT AS OTHERWISE SHOWN OR REQUIRED.
- . WELDING OR REINFORCEMENT IS PROHIBITED U.O.N. J. ALL REINFORCING BARS SHALL BE OF NEW BILLET STEEL CONFORMING TO ASTM A615, WITH THE FOLLOWING GRADE.
- #3 THROUGH #10 GRADE 60 ( $F_v = 60,000 \text{ PSI}$ ) #11 AND GREATER - GRADE 75 ( $F_v = 75,000 \text{ PSI}$ )
- K. VERTICAL CONSTRUCTION JOINTS USING APPROVED BULKHEADS MAY BE MADE WITHIN THE MIDDLE THIRD OF BEAM, WALL, OR SLAB SPANS WHERE STOP IN CONCRETE WORK IS NECESSARY. A PLAN SHOWING PROPOSED JOINTS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED ONLY AS SHOWN ON DRAWINGS. CONSTRUCTION JOINTS SHALL CONFORM TO ACI 318, SECTION 6.4. ALL REINFORCING STEEL SHALL BE CONTINUOUS THROUGH JOINTS U.O.N. FOR ALL CONSTRUCTIONN JOINTS BELOW WATER TABLE, PROVIDE WATERSTOPS. L. VERTICAL JOINTS SHALL NOT BE PLACED IN CONCRETE SHEAR WALLS UNLESS.
- SPECIFICALLY APPROVED IN WRITING BY THE ENGINEER. M. ALL HORIZONTAL JOINTS IN CONCRETE POURS (WHERE SHOWN ON STRUCTURAL DRAWINGS OR EXPLICITLY APPROVED BY THE ENGINEER IN WRITING) SHALL BE RAKED TO 1/4" AMPLITUDE WHILE CONCRETE IS FRESH.
- N. ALL CONCRETE SHALL BE MIXED, TRANSPORTED AND PLACED IN ACCORDANCE WITH ACI STANDARDS 318 AND 304. O. ALL REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE TO ACI 315.
- P. ALL WELDED WIRE MESH SHALL CONFORM TO ASTM A185. Q. SYNTHETIC FIBER REINFORCEMENT SHALL BE OF MACRO SYNTHETIC "COARSE" FIBERS MADE FROM VIRGIN POLYOLEFIN, BY STRUX 90/40 BY GCP APPLIED TECHNOLOGIES (OR APPROVED EQUIVALENT), AT A MINIMUM DOSAGE RATE AS SPECIFIED ON DRAWINGS.
- R. TEST CYLINDERS SHALL BE TAKEN FROM THE MIXER IN ACCORDANCE WITH ASTM C172 AND THE PROJECT SPECIFICATIONS. S. STONE AGGREGATE USED IN CONCRETE MIX SHALL BE FREE OF MATERIALS WITH HARMFUL REACTIVITY TO ALKALI IN CEMENT. THE MAXIMUM WATER SOLUBLE CHLORIDE ION (CL-) CONTENT IN CONCRETE FROM ALL INGREDIENTS SHALL BE LESS THAN 0.06% OF WEIGHT OF CEMENT, PER ASTM C1218.
- 2. CONCRETE FOR FOUNDATIONS A. SLAB ON GRADE SHALL BE FIBER REINFORCED CONCRETE CONFORMING TO ACI 544.2R. SLAB SHALL BE FINISHED IN ACCORDANCE WITH ACI STANDARD 302.1R FOR CLASS 2
- FLOORS, TYPE II CEMENT AND 1" COARSE AGGREGATE (SIZE NO. 57) SHALL BE USED. B. ALL VERTICAL SURFACES OF CONCRETE SHALL BE FORMED FOR WALLS, FOOTINGS, AND
- C. CONTRACTOR SHALL PROVIDE A MINIMUM AREA OF STEEL REINFORCEMENT EQUAL TO .0018 TIMES THE GROSS CONCRETE AREA IN CONCRETE SLABS AND FOOTINGS, EXCEPT WHERE CONCRETE IS PRESTRESSED. PROVIDE MINIMUM BONDED REINFORCEMENT FOR PRESTRESSED CONCRETE IN ACCORDANCE WITH ACI 318 - SECTION 18.9. FOR WALLS. PROVIDE MINIMUM REINFORCING IN ACCORDANCE WITH ACI 318 - SECTION 14.3.
- 3. CONCRETE FOR STEEL SUPPORTED SLABS A. OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL. FLOOR DEPRESSIONS AND OPENINGS SHALL BE PROVIDED WHERE FLOOR FINISHES OR EQUIPMENT REQUIRE THEM, WHETHER OR NOT THEY ARE INDICATED ON THE STRUCTURAL DRAWINGS. GENERAL CONTRACTOR SHALL PREPARE AND SUBMIT A COMPOSITE DRAWINGS SHOWING ALL SLAB PENETRATIONS PRIOR TO SLAB REINFORCEMENT FABRICATION.
- B. EXCEPT AS OTHERWISE DETAILED, ALL SLEEVES SHALL BE SEPARATED BY AT LEAST FOUR (4) INCHES OF CONCRETE WITH REINFORCING BETWEEN THEM. C. SLABS SHALL BE FINISHED BY WOOD TROWEL, FOLLOWED BY TWO STEEL TROWELING OPERATIONS, EXCEPT AS OTHERWISE SPECIFIED.
- D. FOR CONCRETE SLABS, CONTRACTOR SHALL INCLUDE IN HIS BID SUFFICIENT QUANTITY OF CONCRETE SO THAT A LEVEL SLAB IS OBTAINED AFTER DEFLECTION OF DECK, BEAMS, AND GIRDERS. NO CLAIMS FOR ADDITIONAL CONCRETE WILL BE ENTERTAINED. CONTRACTOR SHALL CONSIDER THE EFFECTS OF CAMBER OR SHORING, AS APPROPRIATE.
- 4. CONCRETE SUPERSTRUCTURE A. WHEREVER POSSIBLE, SPLICED OF MILD STEEL SHALL BE MADE IN A COMPRESSION AREA. NO MORE THAN 50% OF BARS (ALTERNATED) SHALL BE SPLICED IN A TENSION AREA.
- B. OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL. SLEEVES, BOXES, AND OTHER OPENINGS SHALL NOT BE PERMITTED IN BEAMS, OR TWO WAY SLABS UNLESS SHOWN ON A DRAWING SUBMITTED TO AND APPROVED BY THE STRUCTURAL ENGINEER.
- C. ALL PLUMBING SLOTS SHALL BE FILLED WITH CONCRETE TO THE SAME DEPTH AS THE FLOOR SLAB AFTER PIPING HAS BEEN INSTALLED. D. PIPES OR CONDUITS PLACED IN SLABS SHALL NOT HAVE AN OUTSIDE DIAMETER LARGER THAN 1/3 THE SLAB THICKENESS AND SHALL NOT BE SPACED CLOSER THAN 3 DIAMETERS
- ON CENTER. E. NO UNDERFLOOR DUCTS SHALL BE PLACED IN SLABS WITHOUT PRIOR APPROVAL BY THE STRUCTURAL ENGINEER OR AS DETAILED AND DIMENSIONED ON DRAWINGS. F. ALL BEAMS, SPANDRELS AND SLABS ARE TO BE PLACED MONOLITHICALLY WITH SUPPORTS UNLESS OTHERWISE SHOWN.
- G. ALL EMBEDDED STEEL SHALL BE ASTM A36 OR A572. ALUMINUM INSERTS ARE NOT

SHALL CONSIDER THE EFFECTS OF CAMBER OR SHORING, AS APPROPRIATE.

H. WHERE MASONRY ABUTS CONCRETE WALLS, PROVIDE DOVETAIL SLOTS AND MASONRY I. SLABS SHALL BE FINISHED BY WOOD TROWEL FOLLOWED BY TWO STEEL TROWELING OPERATIONS, EXCEPT AS OTHERWISE SPECIFIED. J. FOR CONCRETE SLABS, CONTRACTOR SHALL INCLUDE IN HIS BID SUFFICIENT QUANTITY OF CONCRETE SO THAT A LEVEL SLAB IS OBTAINED AFTER DEFLECTION OF DECK, BEAMS, AND

GIRDERS. NO CLAIMS FOR ADDITIONAL CONCRETE WILL BE ENTERTAINED. CONTRACTOR

#### **CONCRETE MASONRY UNITS (CMU)**

- 1. ALL MASONRY WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 530.1-13 SPECIFICATION
- FOR MASONRY STRUCTURES. 2. ALL CONCRETE MASONRY UNITS SHALL BE HOLLOW LOAD BEARING UNITS CONFORMING TO ASTM C90, GRADE N-TYPE I WITH MINIMUM COMPRESSIVE STRENGTH OF UNITS = 1900 PSI ON NET AREA, WITH ASSUMED DESIGN COMPRESSIVE STRENGTH, f'm = 1500 PSI. UNITS MAY BE FABRICATED EITHER WITH NORMAL WEIGHT AGGREGATE (C33) OR LIGHTWEIGHT AGGREGATE
- 3. ALL UNITS SHALL BE PLACED IN RUNNING BOND.
- 4. MORTAR SHALL BE TYPE M OR S. MORTAR SHALL MEET ASTM C270. 5. GROUT SHALL COMPLY WITH ASTM C476. SLUMP SHALL BE 8 TO 11 INCHES, STRENGTH SHALL BE EQUAL TO 3000 PSI.
- 6. STORE ALL UNITS OFF GROUND TO PREVENT CONTAMINATION. COVER MATERIALS TO PROTECT FROM THE ELEMENTS.
- 7. NO AIR-ENTRAINING ADMIXTURES OR ANTIFREEZE COMPOUNDS, SUCH AS CALCIUM CHLORIDE SHALL BE ADDED TO MORTAR.
- 8. ALL WALLS OR PILASTERS SUPPORTING STEEL AT BEARING PLATES SHALL BE GROUTED SOLID FOR FOUR COURSES IN DEPTH FOR A WIDTH OF 32".
- 9. DO NOT BACKFILL AGAINST FOUNDATION WALLS UNTIL MORTAR HAS ATTAINED MAXIMUM STRENGTH, WHERE BACKFILL IS PLACED AGAINST FOUNDATION WALLS BEFORE FLOOR
- CONSTRUCTION IS IN PLACE, PROVIDE TEMPORARY BRACING. 10. THE FIRST BLOCK COURSE ON FOOTING SHALL BE FILLED SOLID WITH CONCRETE, UNLESS OTHERWISE NOTED ON DRAWINGS. 11. VERTICAL CONTROL JOINTS SHALL BE PLACED SUCH THAT THE RATIO OF JOINT SPACING (S)
- DIVIDED BY WALL HEIGHT (H) DOES NOT EXCEED 1.5. IN NO CASE SHALL SPACING EXCEED 25 FT. CONTROL JOINTS SHALL BE CONSTRUCTED USING SASH BLOCKS AND DUR-O-WAL PREFORMED REGULAR RAPID CONTROL JOINT (OR EQUAL OF EXTRUDED RUBBER). VERTICAL JOINTS SHALL BE LOCATED AS FOLLOWS: A. CHANGES IN WALL HEIGHT OR THICKNESS
- B. AT CONSTRUCTION JOINTS IN FOUNDATION, IN ROOF, AND IN FLOORS C. AT CHASES AND RECESSES FOR PIPING, COLUMNS, FIXTURES, ETC.
- D. AT ABUTMENT OF WALL AND COLUMNS E. WITHIN S/2 OF CORNERS OF WALLS OR COLUMNS
- F. NO CLOSER THAN 2'-0" TO EDGE OF ANY OPENING IN WALL 12. CMU WALLS SHALL BE REINFORCED WITH 3/16" DIA. TRUSS TYPE LADDER REINFORCING ASTM A82 WIRE, HOT DIPPED GALVANIZED, AT 16" ON CENTER (VERTICALLY), AND AT THE FIRST AND
- SECOND BED JOINTS ABOVE AND BELOW WALL OPENINGS. 13. ALL MASONRY WALLS SHALL BE ADEQUATELY BRACED DURING CONSTRUCTION TO RESIST WIND LOADS OF PSF. NOTE THAT FLOOR AND ROOF DIAPHRAGMS WILL PROVIDE ULTIMATE STABILITY FOR WALLS. MASONRY WALLS SHALL NOT BE BUILT HIGHER THAN 10 TIMES THEIR
- THICKNESS WITHOUT BRACING. 14. ALL CMU CORES WITH VERTICAL REINFORCEMENT MUST BE FULLY GROUTED. 15. LINTELS (UNLESS OTHERWISE NOTED ON THE PLANS)
- A. STEEL LINTELS ALONG EXTERIOR FACE OF BUILDING SHALL BE HOT DIP GALVANIZED. B. STEEL LINTELS SHALL BE REQUIRED AT OPENINGS IN MASONRY WALLS. SEE TYPICAL MASONRY DETAILS FOR FURTHER INFORMATION.

#### STRUCTURAL STEEL

1. GENERAL

- A. STEEL CONSTRUCTION SHALL CONFORM TO AISC "STEEL CONSTRUCTION MANUAL", FIFTEENTH EDITION, AND SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AS ADOPTED
- JUNE 15, 2016. B. MATERIALS FOR STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM
- SPECIFICATIONS, U.O.N.: MIN. YIELD STRENGTH WIDE FLANGE SHAPE CHANNELS, ANGLES, M, S-SHAPES A36 36 KSI 36 KSI PLATE, BAR, AND MISC. STEEL A36 50 KSI OR RECTANGULAR HSS A500, GR. C 50 KSI STEEL PIPE (TYPE E OR S) A53. GR. B 35 KSI
- C. ALL BOLTED CONNECTIONS SHALL BE MADE USING ASTM F3125 GR. A325/A490 (CONVENTIONAL) BOLTS, OR F1852/F2280 (TWIST OFF TYPE TENSION-CONTROL) BOLTS, 3/4" MIN. DIAMETER. ALL LATERAL SYSTEM (BRACING AND MOMENT FRAME) BOLTED CONNECTIONS SHALL BE PRETENSIONED FOR STANDARD BOLT HOLES AND SLIP-CRITICAL FOR OVERSIZED OR SLOTTED BOLT HOLES (IN THE DIRECTION OF THE LOAD). ALL BOLTED CONNECTIONS SHAL BE INSTALLED IN ACCORDANCE WITH THE AISC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS, U.O.N.
- D. BOLTED CONNECTIONS DESIGNATED AS PRETENSIONED OR SLIP CRITICAL SHALL BE PRETENSIONED AND INSPECTED AS PER THE "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS."
- E. ANCHOR RODS SHALL BE OF ASTM F155 GRADE 55 "WELDABLE" AS PER THE 'S1' SUPPLEMENT.
- F. SHOP AND ERECTION DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO FABRICATION OF STEEL SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS. SHOP DRAWINGS ARE PREPARED AND USED BY THE CONTRACTOR AS INSTRUMENTS TO SEQUENCE HIS WORK AND TO FACILITATE FABRICATION AND ERECTION. REVIEW OF SHOP DRAWINGS SHALL BE FOR GENERAL DETAIL AND ARRANGEMENT ONLY. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR DIMENSIONS, PROPER FIT AND DETAILED DESIGN OF CONNECTIONS. THEIR APPROVAL BY THE STRUCTURAL ENGINEER IS NOT TO BE CONSTRUED AS A WAIVER OF CONSTRUCTION CONTRACT REQUIREMENTS OR RESPONSIBILTIES, UNLESS THE CONTRACTOR HAS BEEN
- GRANTED A DEVIATION IN WRITING. G. ALL SHEAR CONNECTIONS SHALL BE DESIGNED AND DETAILED FOR SERVICE LEVEL (ASD) VALUES INDICATED ON PLANS. IF NO VALUES ARE GIVEN ON PLANS, SEE TYPICAL CONNECTION DETAILS FOR DESIGN FORCES. ALL BEAM WEB SHEAR CONNECTIONS SHALL BE DESIGNED AND DETAILED SO THAT THE DEPTH OF THE CONNECTION PLATES OR ANGLES ARE NOT LESS THAN ONE-HALF OF THE BEAMS "T" DIMENSION. NO CONNECTION SHALL BE DESIGNED AND DETAILED TO SUPPORT LESS THAN 6 KIPS SERVICE LEVEL REACTION. WHERE POSSIBLE, THE CONTRACTOR SHALL SELECT A SIMPLE SHEAR CONNECTION FROM THE TABLES IN PART 10 OF THE AISC STEEL CONSTRUCTION MANUAL "13TH EDITION-ASD."
- H. THE FORCES INDICATED ON THE PLANS/ELEVATIONS ARE THE MEMBER DESIGN FORCES. LATERAL MOMENT FRAME CONNECTIONS SHALL BE DESIGNED AND DETAILED FOR THE GREATER OF THE FORCES SHOWN ON PLANS/ELEVATIONS OR AS REQUIRED BY AISC 341 FOR THE SEISMIC RESPONSE MODIFICATION FACTOR (R) AND BASIC SEISMIC FORCE RESISTING SYSTEM SHOWN IN THE GENERAL NOTES. THE CONTRACTOR SHALL PROVIDE ANY REINFORCEMENT NECESSARY (STIFFENER PLATES, DOUBLER PLATES, ETC.) REQUIRED TO CONSTRUCT THESE CONNECTIONS.
- I. DURING ERECTION, APPROVED TEMPORARY BRACING SHALL BE INSTALLED AS REQUIRED TO PREVENT DISTORTION OR DAMAGE TO THE FRAMEWORK DUE TO ERECTION FORCES. J. STEEL SHOP DRAWINGS SHALL BE COORDINATED WITH STAIR DETAILS.
- K. PROVIDE FITTED WELDED STIFFENER PLATES 1/4" THICK MIN. IN SUPPORT BEAMS ALONGSIDE HANGER LOCATIONS, AT SUPPORT POSTS, AND AT STAIR STRINGER BEAM
- ALL INTERIOR STRUCTURAL STEEL SHALL BE CLEANED TO SSPC-SP3 AND SHALL RECEIVE THE FOLLOWING SHOP PRIMER, EXCEPT WHERE FIELD WELDING OR SLIP CRITICAL BOLTING IS TO BE DONE, WHERE STEEL IS TO RECEIVE SPRAY APPLIED FIREPROOFING, OR WHERE SPECIFIED TO BE GALVANIZED:
- a. BUILDING INTERIOR STEEL: TNEMEC 10-99 PRIMER AT 2.5 MILS DFT, OR APPROVED
- b. BUILDING PERIMETER STEEL: TNEMEC 394 PERIMEPRIME AT 3.0 MILS DFT, OR APPROVED c. ALL WELDS AND BARE SPOTS SHALL RECEIVE TOUCHUP PAINT.
- M. ALL EXTERIOR OR EXPOSED STRUCTURAL STEEL SHALL BE CLEANED TO SSPC-6 AND RECEIVE THE FOLLOWING THREE COAT SYSTEM (OR APPROVED EQUAL SYSTEM):
- a. PRIMER: TNEMEC 90G-1K97 OR 94-H20 (WHERE LOW VOC'S REQUIRED) 3 MILS DFT b. INTERMEDIATE COAT: TNEMEC 27FC TYPOXY OR 66 HI-BUILD EPOXOLINE - 4 MILS DFT c. TOP COAT: TNEMEC 73 ENDURA SHIELD - 2.5 MILS DFT
- d. ALL WELDS AND BARE SPOTS SHALL RECEIVE TOUCHUP PAINT. N. ALL EXTERIOR OR EXPOSED STRUCTURAL STEEL, MISCELLANEOUS COMPONENTS, AND HARDWARE SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123, EXCEPT THE FOLLOWING LOCATIONS: WHERE FIELD WELDING OR SLIP CRITICAL BOLTING IS TO BE DONE AND ON A490 BOLTS. ALL WELDS AND BARE SPOTS SHALL RECEIVE
- ZRC COLD GAVANIZING COMPOUND (OR APPROVED EQUIVALENT), WITH SURFACE PREPARATION AND APPLICATION IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. ALL A490 BOLTS SHALL RECEIVE ZINC RICH/ALUMINUM COATING IN ACCORDANCE WITH ASTM F2833 GR. 1 (MAGNI 565 OR APPROVED EQUIVALENT).
- O. ALL STEEL BELOW GRADE SHALL BE ENCASED WITH 4" OF CONCRETE OR PAINTED WITH BITUMINOUS PAINT. P. ALL STEEL PAINTING REQUIREMENTS SHALL BE COORDINATED WITH THE PROJECT
- SPECIFICATIONS AND ARCHITECTURAL DRAWINGS. NOTIFY THE ENGINEER FOR ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS FOR STEEL PAINTING REQUIREMENTS FOR DIRECTION PRIOR TO STEEL FABRICATION.
- WELDING A. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH STANDARDS OF THE AMERICAN WELDING SOCIETY. ELECTRODES MUST MEET E70XX SERIES REQUIREMENTS, LOW HYDROGEN, WITH MINIMUM TENSILE STRESS OF 70,000 PSI, ELECTRODES SHALL BE PRODUCED AND STORED IN ACCORDANCE WITH AWS D1.1 SECTIONS 5.3.
- B. STEEL ERECTOR SHALL PROVIDE A FIRE WATCH DURING ALL FIELD WELDING OPERTATIONS. C. ALL WELDERS ARE TO BE LICENSED AND CERTIFIED TO AWS STANDARDS OR THOSE REQUIRED BY APPLICABLE BUILDING CODE. D. ALL WELDS SHALL BE VISUALLY INSPECTED. ALL COMPLETE JOINT PENETRATION GROOVE
- WELDS SHALL RECEIVE RADIOGRAPHIC OR ULTRASONIC TESTING. MAGNETIC PARTICLE TEST 20% OF ALL MULTI-PASS FILLET WELDS. E. REPORTS OF EACH TEST SHALL BE GIVEN TO THE STRUCTURAL ENGINEER. NO FAILED WELD SHALL BE PERMITTED TO REMAIN IN SERVICE. IT IS THE RESPONSIBILITY OF THE
- TESTING LABORATORY TO PROVIDE TIMELY NOTICE OF FAILED TESTS TO THE CONTRACTOR. F. WELDING SHALL PROGRESS IN A MANNER WHICH BALANCES THE STRESSES IN THE
- MEMBERS. IN ACCORDANCE WITH AWS. G. PREHEATING REQUIREMENTS FOR BASE METAL SHALL FOLLOW AWS GUIDELINES.
- A. STAIRS SHALL BE STEEL, PAN TYPE CONCRETE TREAD, OR PRECAST CONCRETE TREAD ON STEEL RISERS, DESIGNED FOR 100 PSF LIVE LOAD. B. DESIGN OF STAIRS AND LANDINGS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR AND
- SHALL CONFORM TO OSHA SAFETY IMPROVEMENTS. SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW. C. SURROUNDING STRUCTURAL FRAMING HAS BEEN DESIGNED TO CARRY STAIR LOADS BASED ON THE LOADING ASSUMPTIONS AND LOCAL REINFORCEMENT AS PER THE STRUCTURAL STEEL NOTES. ATTACHMENT POINTS OUTSIDE OF THESE REQUIREMENTS

THE BUILDING STRUCTURE WITH APPROVAL OF THE ARCHITECT AND ENGINEER.

WILL REQUIRE BRACING BY THE STAIR CONTRACTOR TO RESOLVE ECCENTRIC FORCES ON

4. STEEL DECK AND SHEAR STUDS

THE STEEL DECK INSTITUTE

- A. ROOF DECK SHALL BE GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A653 COATING CLASS G90. UNITS SHALL BE WELDED TO JOISTS OR BEAMS WITH 5/8" PUDDLE WELDS IN A 36/4 PATTERN, U.O.N. SIDE LAPS ARE TO BE WELDED AT A MAXIMUM SPACING OF 36" ON CENTER, U.O.N. DECK SHALL BE CONTINUOUS OVER A MINIMUM OF 2
- B. FLOOR DECK SHALL BE GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A653 COATING CLASS G60. UNITS SHALL BE WELDED TO JOISTS OR BEAMS WITHIN 5/8" PUDDLE WELDS A 36/4 PATTERN. SIDE LAPS ARE TO BE WELDED AT A MAXIMUM SPACING OF 36" ON CENTER, U.O.N. DECK SHALL BE CONTINUOUS OVER A MINIMUM OF 2 SPANS. C. AS AN ALTERNATE TO PUDDLE WELDING OF STEEL DECKING, HILTI X-HSN OR X-ENP 19 POWDER ACTUATED FASTENERS (PAFs) WITH EQUIVALENT OR GREATER CAPACITY TO
- SPECIFIED ATTACHMENT CAN BE INSTALLED. IF PAFs ARE USED, USE HILTI S-SLC SIDELAP CONNECTORS. THE CONTRACTOR SHALL SUBMIT ALTERNATIVE FASTENING PATTERN TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO INSTALLATION. D. PAFs SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL BE CERTIFIED AND TRAINED BY THE MANUFACTURER'S
- REPRESENTATIVE FOR PROPER USE AND INSTALLATION OF PAFs. E. SHEAR CONNECTOR SHALL BE HEADED STUD TYPE, ASTM A108 GRADE 1015 OR 1020 COLD FINISHED CARBON STEEL. PROVIDE STUDS OF THE SIZE AND SPACING AS SPECIFIED ON DRAWINGS OR A MAXIMUM SPACING OF 1'-0" O.C. EVEN IF THIS EXCEEDS THE NUMBER CALLED FOR ON THE DRAWINGS.
- F. DECK UNITS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH CURRENT "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS, AND ROOF DECKS" PUBLISHED BY
- G. DECKING CONTRACTOR SHALL PROVIDE ADDITIONAL STEEL ANGLE SUPPORTS AT ALL COLUMNS AND ELSEWHERE WHERE FRAMING OR CONNECTIONS INTERFERE OR INTERRUPT SEATING OF MORE THAN ONE DECK RIB. PERMANENT ANGLES SHALL BE PAINTED. H. PROVIDE SUPPORTS FOR METAL DECKING AT ALL OPENINGS.

#### STRUCTURAL STEEL (CON'T)

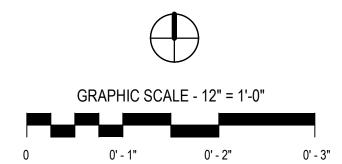
- 6. VESCOM COMPOSITE JOISTS AND METAL FORM DECK SYSTEM:
- A. ALL JOISTS INDICATED ON PLAN THUS: V12 SHALL BE COMPOSITE JOISTS MANUFACTURED BY VESCOM STRUCTURAL SYSTEMS, INC. B. PROVIDE METAL DECK FORMS FOR VESCOM COMPOSITE JOIST AND METAL FORM DECK
- SYSTEM (22 GAGE, 1-5/16" DEEP).
- C. WELDED WIRE FABRIC FOR USE IN VESCOM FLOOR SYSTEM SHALL BE INSTALLED IN ROLLS
- ONLY. NO SHEETS SHALL BE PERMITTED. D. PROVIDE SLOPING JOIST BEARINGS FOR SLOPES EXCEEDING 1/4 INCH PER FOOT.
- E. PROVIDE A MINIMUM OF 2-1/2" BEARING ON STEEL BEAMS OR 4" ON CONCRETE OR MASONRY. STAGGER JOISTS IF NECESSARY TO ACHIEVE REQUIRED BEARING. F. EXTEND BOTTOM CHORD OF JOISTS AT COLUMNS. CONNECT BOTTOM CHORD TO COLUMNS
- ONLY AFTER ALL DEAD LOAD IS APPLIED. TOP CHORD BEARING OF ALL JOISTS AT COLUMNS TO BE BOLTED.
- G. ALL VESCOM COMPOSITE JOISTS AND ACCESSORIES SHALL RECEIVE ONE SHOP COAT OF PAINT IN ACCORDANCE WITH STEEL JOIST INSTITUTE SPECIFICATION WITH THE EXCEPTION
- THAT TOP CHORD OF JOIST SHALL NOT BE PAINTED.
- H. ERECTION STABILITY REQUIREMENTS OF THE VESCOM ERECTION MANUAL SHALL BE STRICTLY FOLLOWED
- I. ALL VESCOM COMPOSITE JOISTS SHALL BE DESIGNED TO LIMIT LIVE LOAD DEFLECTION TO 1/480 OF SPAN





Client Project Number VMDO Project Number

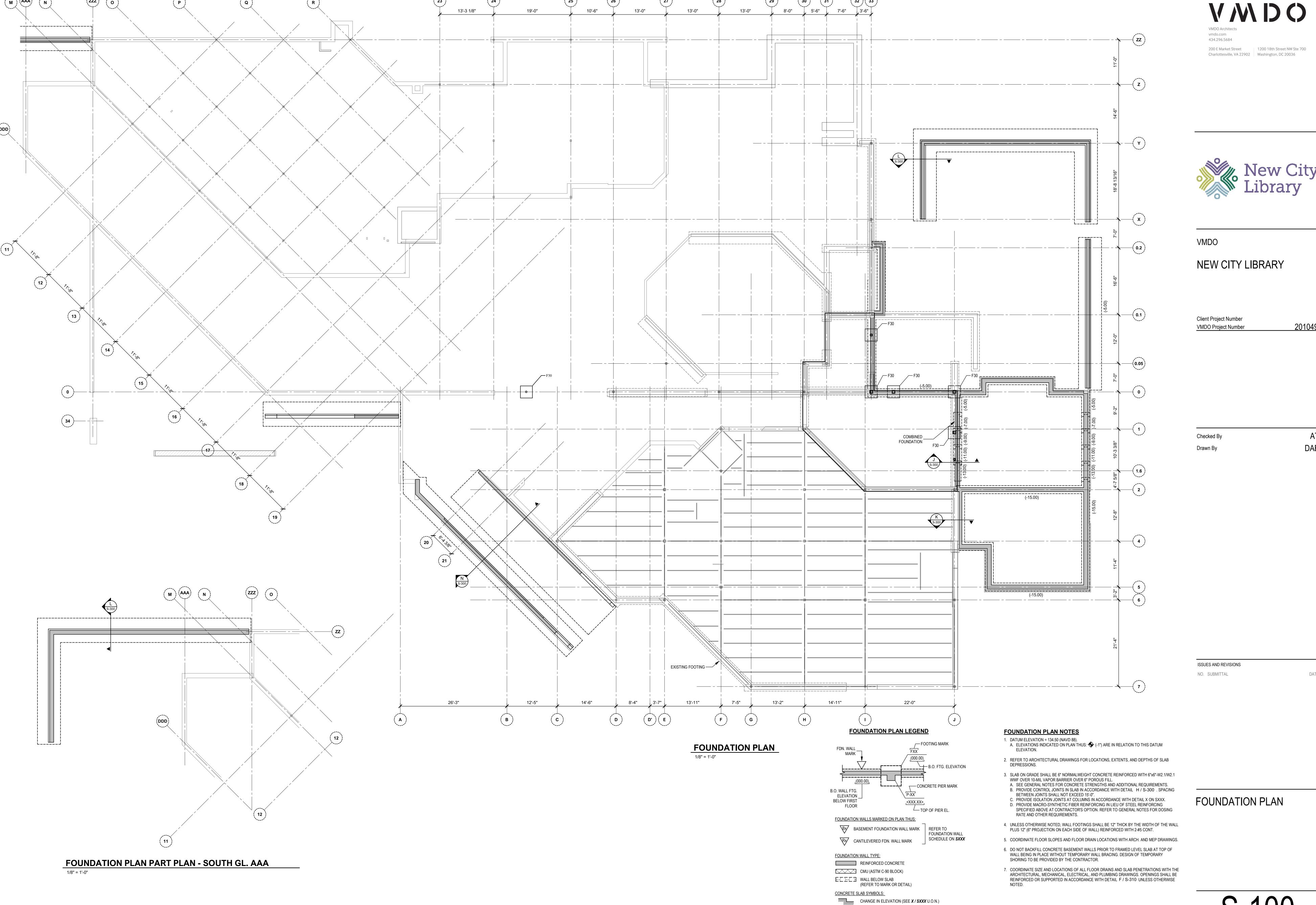
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ISSUES AND REVISIONS NO. SUBMITTAL

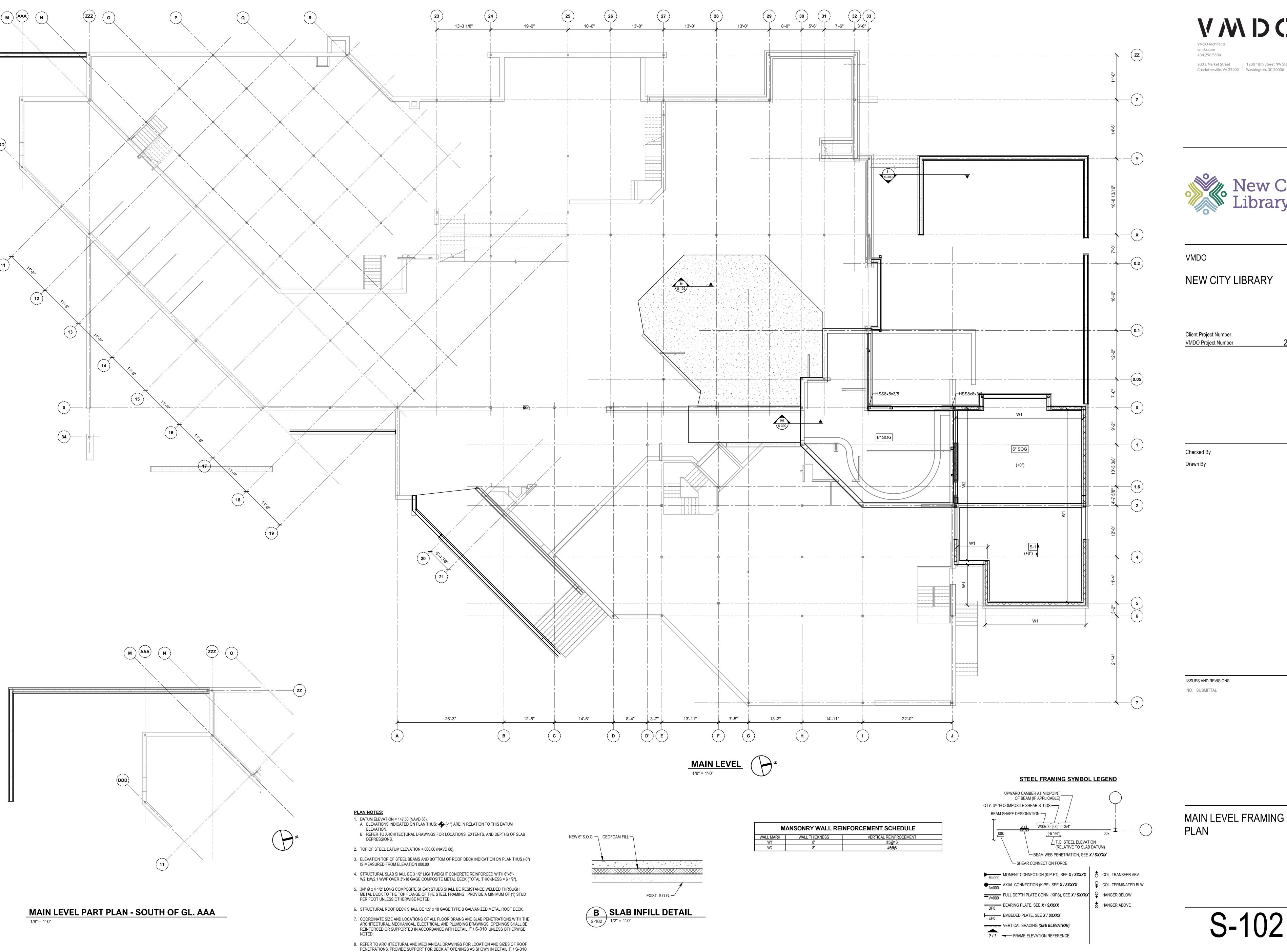
S000-SERIES - GENERAL

PROJECT INFORMATION



FLUSH CHANGE IN THICKNESS (SEE **X / SXXX** U.O.N.)

DEPRESSION CHANGE IN THICKNESS (SEE X / SXXX U.O.N.)



VMDO 200 E Market Street 1200 18th Street NW Ste 700



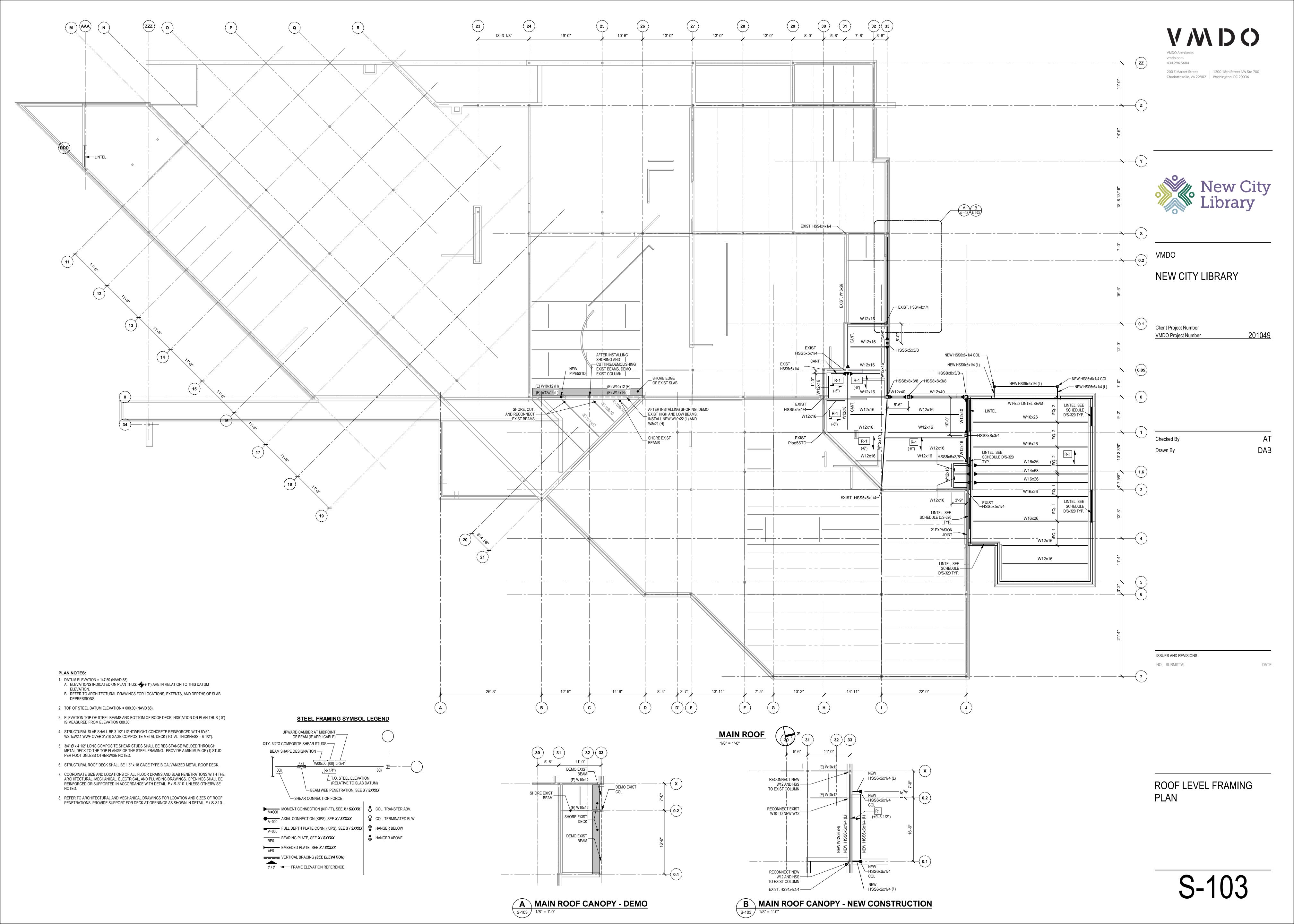
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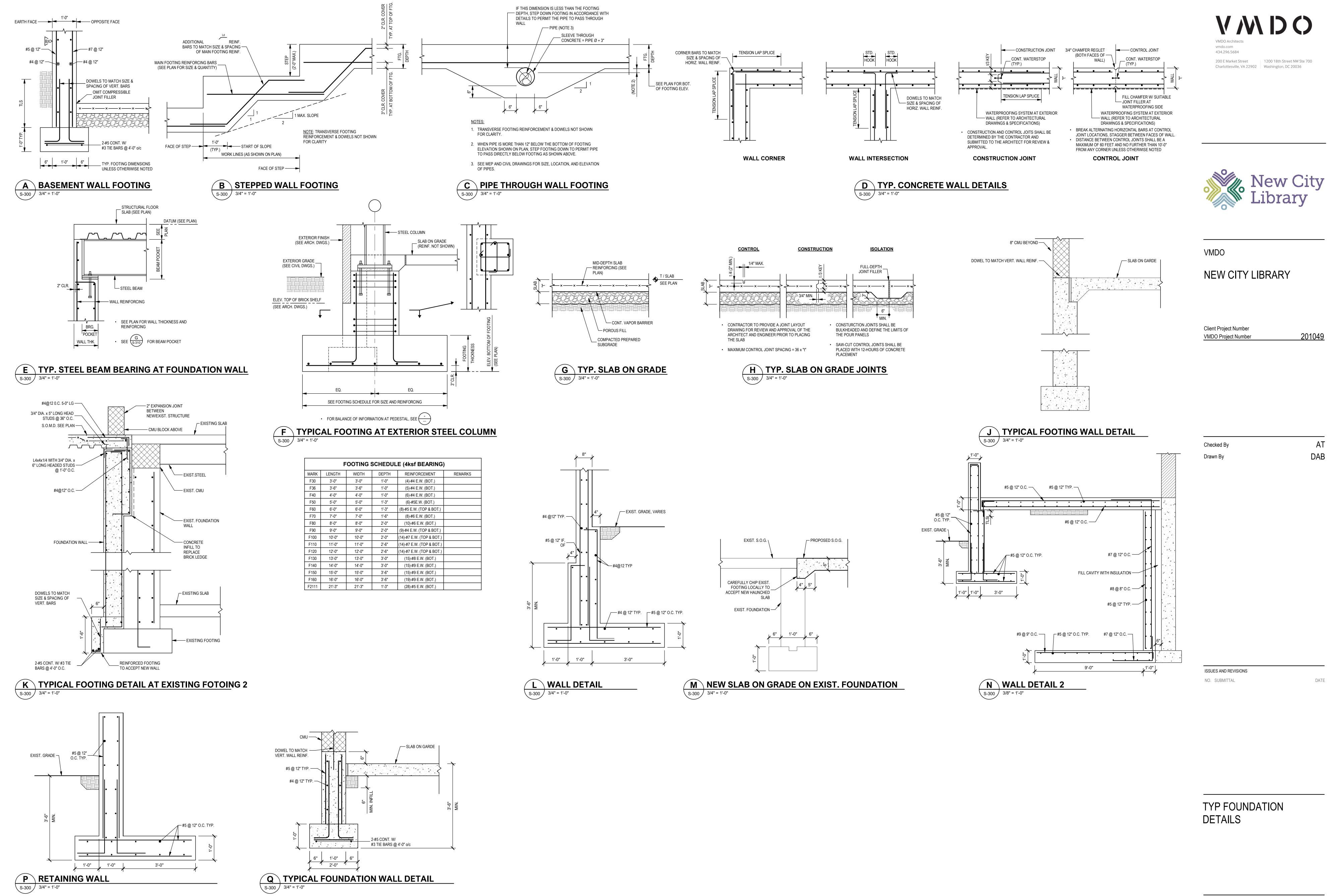
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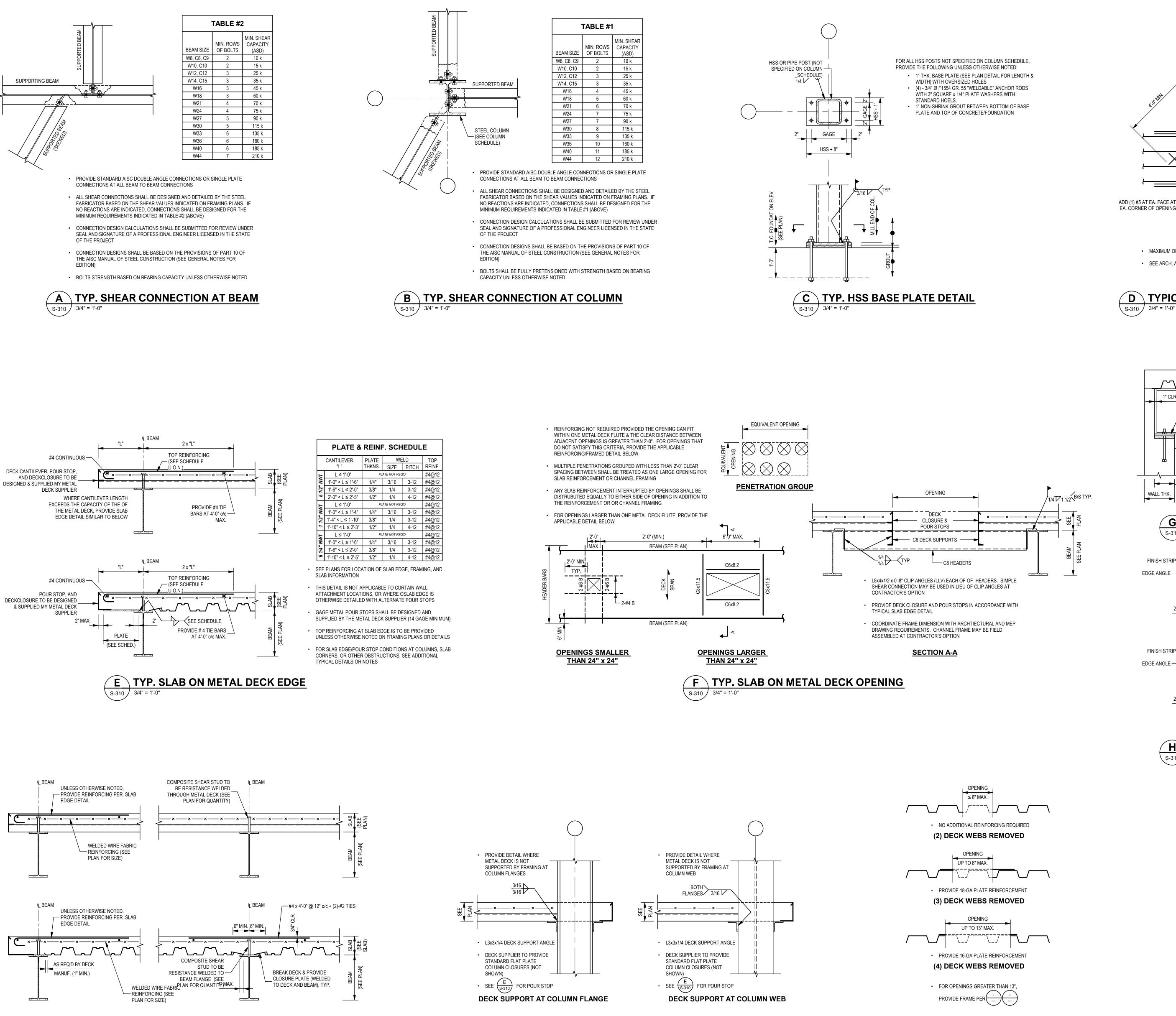
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MAIN LEVEL FRAMING

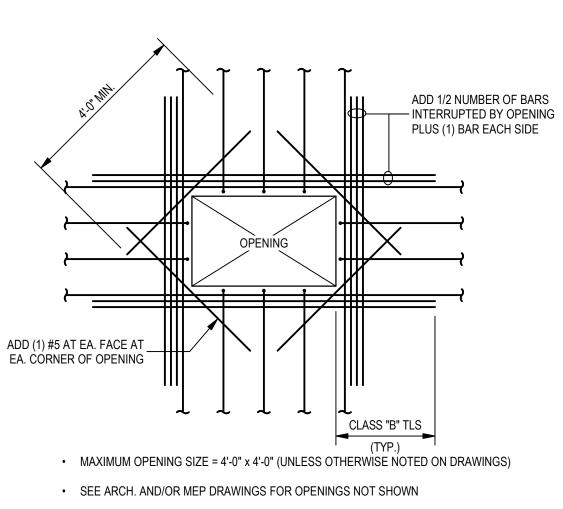






L TYP. SLAB ON METAL DECK AT COLUMN

J TYP. SLAB ON METAL DECK





VWDO

Charlottesville, VA 22902 Washington, DC 20036

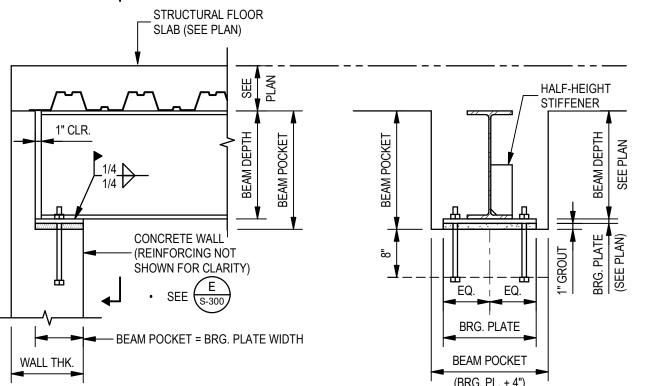
1200 18th Street NW Ste 700

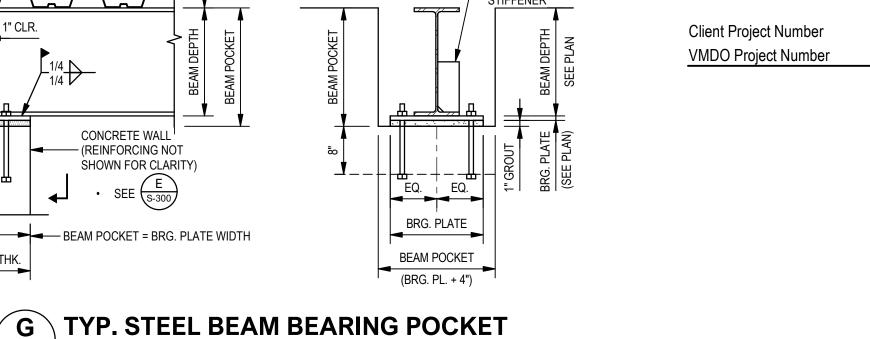
vmdo.com

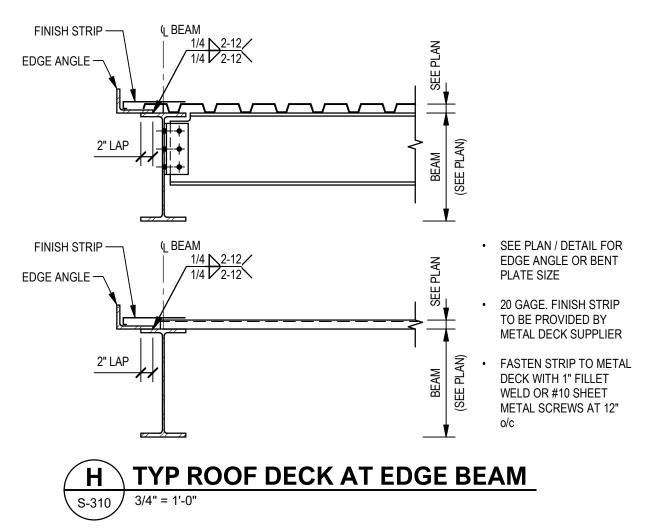
434.296.5684

200 E Market Street





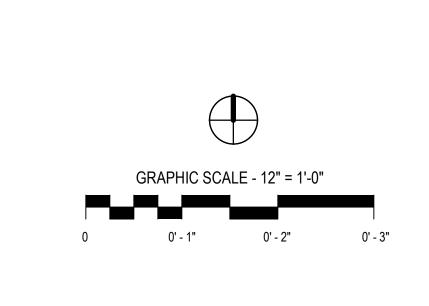




S-310 / 3/4" = 1'-0"

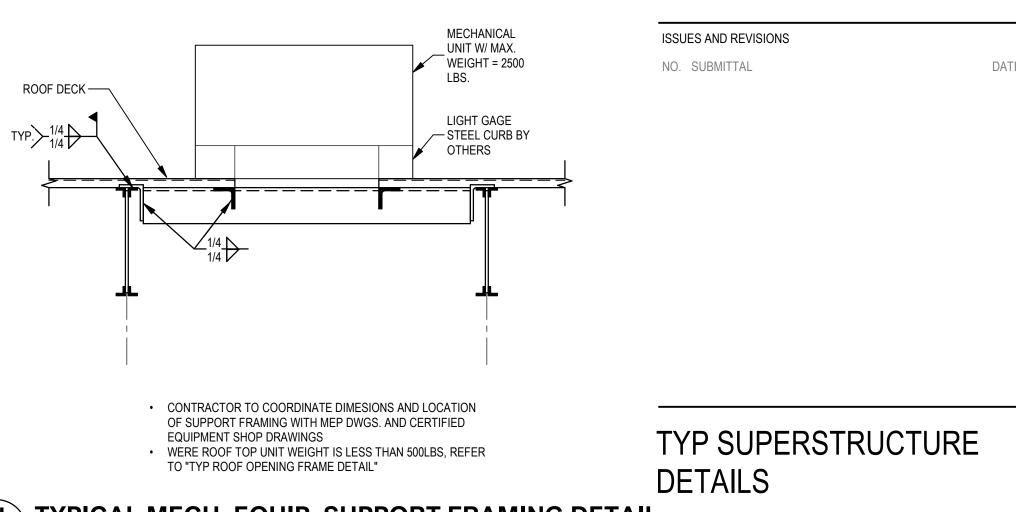
M TYP. ROOF DECK OPENING

S-310 1 1/2" = 1'-0"

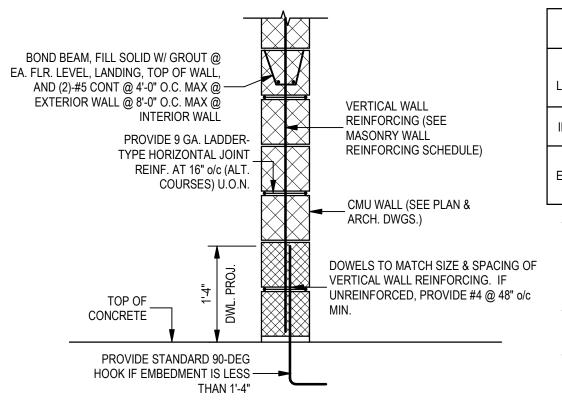


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N TYPICAL MECH. EQUIP. SUPPORT FRAMING DETAIL S-310 3/4" = 1'-0"

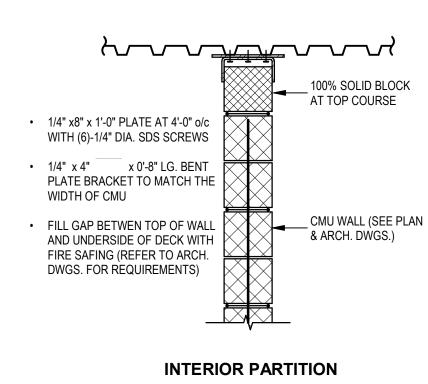


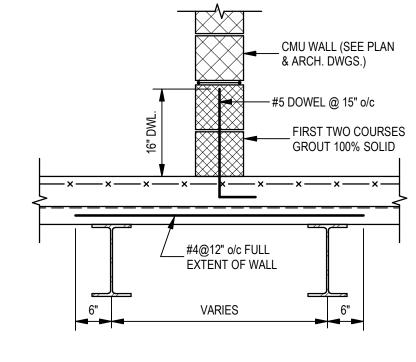
MASONRY WALL REINF. SCHEDULE				
WALL LOCATION	MAXIMUM WALL HEIGHT	MINIMUM BLOCK SIZE & TYPE	VERTICAL REINF.	
INTERIOR	UP TO 10-FT	8" ASTM C90	NONE	
	UP TO 20-FT	8" ASTM C90	#4 @ 48" o/c	
	UP TO 10-FT	8" ASTM C90	#5 @ 32" o/c	
EXTERIOR	UP TO 15-FT	8" ASTM C90	#5 @ 16" o/c	
	UP TO 20-FT	12" ASTM	#5 @ 16" o/c	
C90				

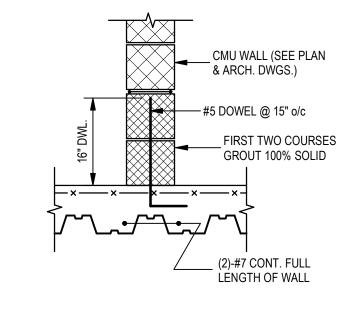
- REINFORCING APPLIES ONLY TO BRACED NON-STRUCTURAL MASONRY WALLS UNLESS OTHERWISE NOTED. DETAIL DOES NOT APPLY TO FREESTANDING SCREEN WALLS, PARAPETS, FOUNDATION, BEARING OR OTHER STRUCTURAL WALLS.
- REFER TO ARCHITECTURAL DRAWINGS TO SIZE AND LOCATION OF PARTITION WALLS NOT SHOWN ON STRUCTURAL PLANS. WHERE LARGER BLOCK SIZE IS SHOWN BY ARCHITECTURAL DRAWINGS, PROVIDE SIZE

INDICATED BY ARCHITECT.

SEE PLAN AND/OR ARCHITECTURAL DRAWINGS FOR







PARTITION PERPENDICULAR TO DECK SPAN

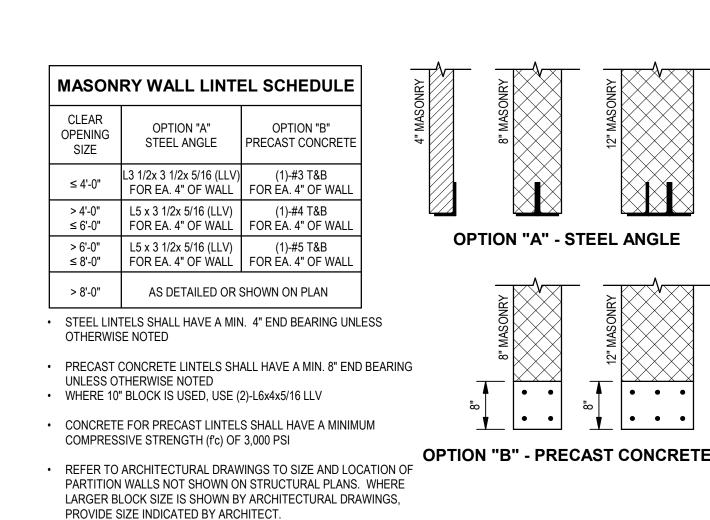
PARTITION PARALLEL TO DECK SPAN

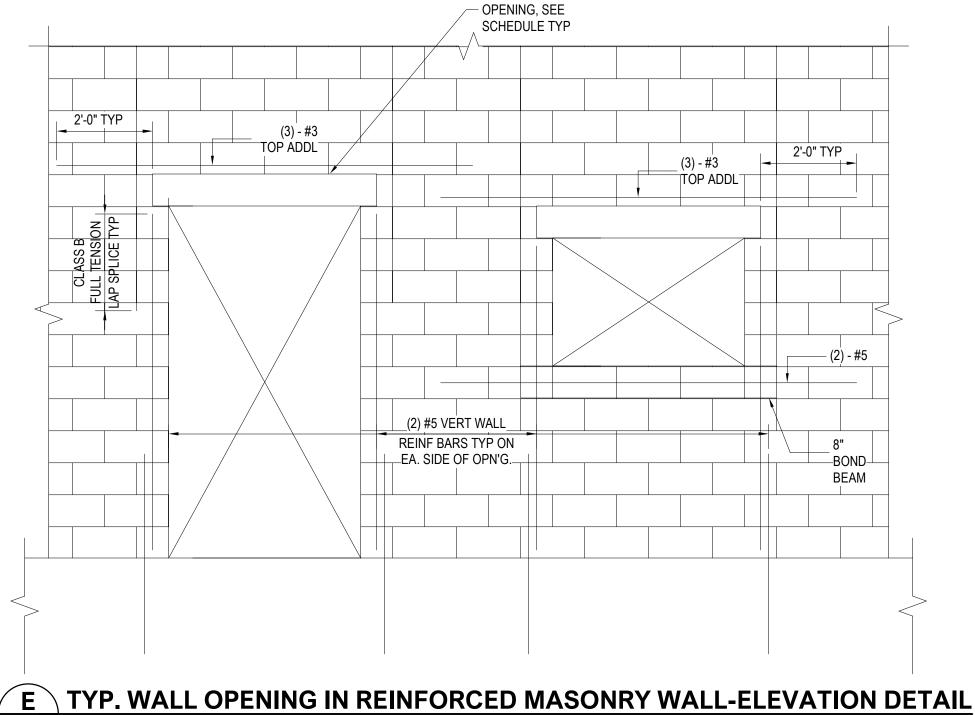


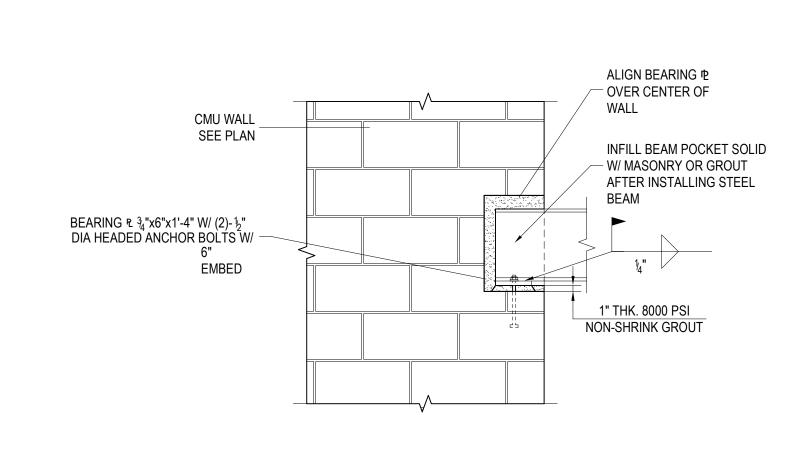


LINTEL BEAM OVER

C TYP. MASONRY WALL ON SLAB ON METAL DECK S-320 3/4" = 1'-0"



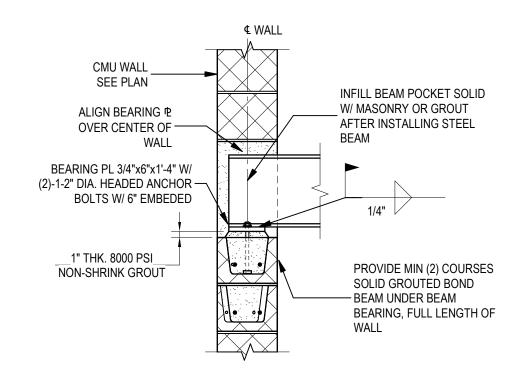




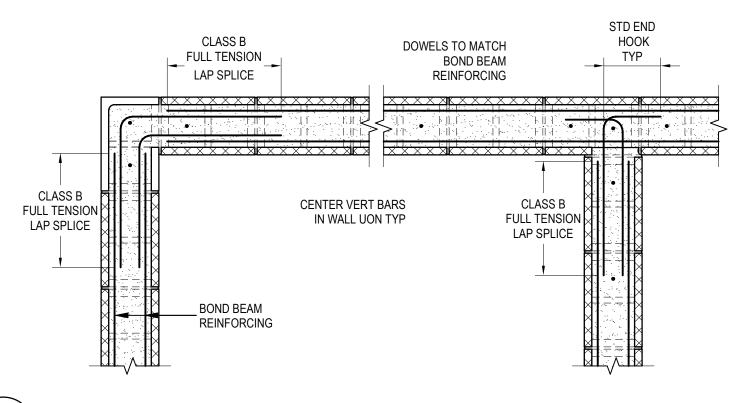




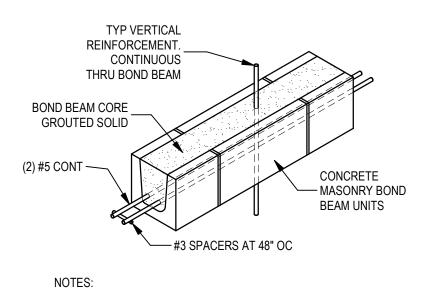
F TYP STEEL BEAM CMU WALL DETAIL











1. BOND BEAMS LOCATED AT FLOOR AND ROOF LEVELS TO HAVE REINFORCING CONTINUOUS THROUGH CONTROL 2. INTERMEDIATE BOND BEAMS TO HAVE HORIZONTAL DISCONTINUOUS REINFORCING AT CONTROL







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NO. SUBMITTAL

**UNIT MASONRY DETAILS** 

S-320

HEATING / VENTILATION /

AIR CONDITIONING

INCLUDE (D), (ING)

INFORMATION INSULATION INTERIOR **JANITOR** JANITOR CLOSET

JOINT

	AID CONDITIONING		LANDLATE
A/C ABV.	AIR CONDITIONING ABOVE	LAM. LOC.	LAMINATE LOCATION
	ACCESSORIES	LVR	LOUVER
APC / ACT	ACOUSTICAL PANEL CEILING	MANUF.	
A.D.	AREA DRAIN	MAS.	MASONRY
ADJ. A.F.F.	ADJACENT ABOVE FINISHED FLOOR	MAT'L MAX	MATERIAL MAXIMUM
	AIR HANDILING UNIT	M.D.F.	MEDIUM DENSITY FIBER B
	ALTERNATE	MECH.	MECHANICAL
	ALUMINIUM ANODIZED	MEP	MECHANICAL, ELECTRICAL PLUMBING
ARCH.	ARCHITECTURAL	MTL.	METAL
	APPROXIMATELY	MIN.	MINIMUM
BBT B.C.	BIO-BASED TILE BRICK COURSE	MISC. M.O.	MISCELLANEOUS MASONRY OPENING
B/N	BETWEEN	MTD.	MOUNTED
BLDG.		N.I.C.	NOT IN CONTRACT
BLKG. BM.	BLOCKING BEAM	NOM. NSMF	
	BOTTOM OF	NOIVII	FRAMING
_	BEARING	N.T.S.	NOT TO SCALE
	CAST IDON	0.C.	
-	CAST IRON CAST IN PLACE	O.D. O.F.C.I.	OUTSIDE DIAMETER OWNER FURNISHED,
C.L.	CENTER LINE		CONTRACTOR INSTALLED
CFMF	COLD FORMED METAL FRAMING	OH.	OVERHEAD
C.J. CLG.	CONTROL JOINT CEILING	OPP. OPNG.	OPPOSITE OPENING
CLR.	CLEAR	PERF.	PERFORATED
CMU	CONCRETE MASONRY UNIT	PL.	PLATE
C.O. COL.	CLEAN OUT COLUMN	P.LAM. PLYWD.	PLASTIC LAMINATE PLYWOOD
CONC.	CONCRETE	PNL.	PANEL
CONT.	CONTINUOUS	POLY.	POLYETHYLENE
COORD. CPT.	COORDINATE CARPET	PR. PTD.	PAIR PAINTED
C.T.	CERAMIC TILE	P.T.	PRESSURE TREATED
CTR	CENTER	Q.T.	QUARRY TILE
DBL. DEMO.	DOUBLE DEMOLITION	QTY. R.	QUANTITY RISER / RADIUS
DEMO. D.F.	DRINKING FOUNTAIN	R.C.P.	REFLECTED CEILING PLAN
DIA.	DIAMETER	R.D.	ROOF DRAIN
DIM. DISP.	DIMENSION(S) DISPENSER	REFL. REINF.	REFLECTED
DISP. D.M.B.		REINF. REQ'D.	REINFORCING, REINFORCI REQUIRED
DN.	DOWN	REV.	REVISION
DOC.	DOCUMENT(S)	RFG. R.O.	
DR. D.S.	DOOR DOWNSPOUT	R.O. R.O.W.	
DTL.	DETAIL	RM.	ROOM
	DISHWASHER	S.A.T.M.	
	DRAWING EACH	S.C.	MEMBRANE SOLID CORE
	EXPANSION BOLT	S.F.	
	EXPANSION JOINT	SFI / AB	
	ELECTRICAL ELEVATION	SFRM	AIR BARRIER SPRAYED FIRE-RESISTIVE
	EMERGENCY	OI I (IVI	MATERIAL
	ENCLOSURE	SHT.	
	EDGE OF PAVEMENT ELECTRICAL PANEL	SIM. S.O.G.	
E.P. EPDM	ETHYLENE PROPYLENE	S.O.G. SPEC.	
	DIENE MONOMER	SQ.	SQUARE
EQ. EX., EXIST.	EQUAL EXISTING	SQ.FT. STD.	SQUARE FOOT STANDARD
EX., EXIST. E.T.R.	EXISTING EXISTING TO REMAIN	a	
EXP.	EXPANSION	STRUCT.	STRUCTURAL
EXP'D.	EXPOSED	STL. STRUCT. SS. SUSP.	STAINLESS STEEL
EXT. F.E.C.	EXTERIOR FIRE EXSTINGUISHER CABINET	SUSP. T&G	SUSPENDED TONGUE AND GROOVE
F.D.	FLOOR DRAIN	TEMP.	TEMPORARY
F.F.	FINISHED FLOOR	THK.	THICK
FIN. F.O	FINISH, FINISHED FACE OF	T.O T.O.S.	TOP OF TOP OF SLAB, TOP OF SLA
FLR.	FLOOR	1.0.0.	(AS APPLICABLE)
F.R.T.W.	FIRE RETARDANT TREATED WOOD	TYP.	TYPICAL
F.S. FT.	FRAME SIZE FOOT, FEET	T.O.W. T.W.F.	
FT. FTG.	FOOTING	U.N.O.	
'G	ING (SUFFIX)	U.O.N.	UNLESS OTHERWISE NOTI
GALV.	GALVANIZED	U.G.	UNDER GROUND
G.C. G.L.	GENERAL CONTRACTOR GRID LINE	VP	VAPOR BARRIER
GYP.	GYPSUM	VERT.	
GWB	GYPSUM WALL BOARD	V.I.F.	
	HARDWOOD HARDWARE	V.T.R. W/	VENT THROUGH ROOF WITH
	HOLLOW METAL	W/O	WITHOUT
	HORIZONTAL	W.C.	WATER CLOSET
HR.	HOUR	WD.	WOOD

WATER HEATER WORK POINT

WATERPROOF WEIGHT WELDED WIRE FABRIC

WK.PT.

WT. W.W.F.

#### **GENERAL NOTES**

COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.
 VERIFY GRADES/ELEVATIONS SHOWN ON DRAWINGS.

3. CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS AND FOR VERIFICATION OF DIMENSIONS SHOWN ON DRAWINGS. ANY DISCREPANCIES IN DRAWINGS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.

4. DO NOT SCALE DRAWINGS. 5. VERIFY AND PROVIDE ALL ROUGH-IN DIMENSIONS FOR EQUIPMENT PROVIDED IN THE CONTRACT OR

IN OTHERS. 6. REPETITIVE FEATURES MAY BE DRAWN ONLY ONCE AND SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.

SYMBOL LEGEND	
	DRAWING BREAK LINE
1/A112	DRAWING MATCH LINE
+0'-0"	SPOT ELEVATION
FLOOR LEVEL NAME +0'-0"	LEVEL ELEVATION
1 SIM 1 SIM A102	BUILDING SECTION KEY
SIM A102	WALL SECTION KEY
SIM A102	SECTION DETAIL KEY
1 SIM ( )	PLAN DETAIL KEY
A101	INTERIOR ELEVATION KEY
A101	BUILDING ELEVATION KEY
(XX.X)	GRID LINE (NUMERICAL DESIGNATION @ VERT. COL. LINES)
$-\frac{1}{1}$ $         -$	GRID LINE (ALPHABETICAL DESIGNATION @ HORIZ. COL. LINES)
000000A	DOOR TYPE INDICATOR
G6	PARTITION TYPE INDICATOR SEE PLAN VIEWS
G6 1.5	FIRE RATED PARTITION TYPE INDICATOR SEE PLAN VIEWS
B1	EXTERIOR ASSEMBLY TYPE INDICATOR SEE SECTION VIEWS
R1	ROOF TYPE INDICATOR SEE SECTION VIEWS
<b>(C1)</b>	CURTAINWALL / STOREFRONT / WINDOW TYPE INDICATOR. SEE ELEVATION VIEWS FOR CURTAINWALL AND WINDOW, SEE PLAN VIEWS AND INTERIOR ELEVATION VIEWS FOR STOREFRONT  EXISTING WALLS
[=====3	DEMOLISHED WALLS
	NEW WALLS
	TEMPORARY OR ALTERNATE LOCATION WALLS
1	NORTH ARROW: BOLD = PROJECT NORTH DASHED = TRUE NORTH
A101	INTERIOR RAILING ELEVATION KEY

#### SHEET ORGANIZATION DIAGRAM

SHEET — - BORDER	01	02	03	04	05
SHEET GRID	06	07	08	09	10
DRAWING CELL -	11	12	13	14	15
DRAWING ——— NUMBER	<del>-</del> 16	17	18	19	20



200 E Market Street 1200 18th Street NW Ste 700

Charlottesville, VA 22902 Washington, DC 20036



New City Library

## New City Library Addition & Renovation

220 North Main Street New City, NY 10956

Client Project Number

VMDO Project Number

Checked By

Drawn By

Checker Author

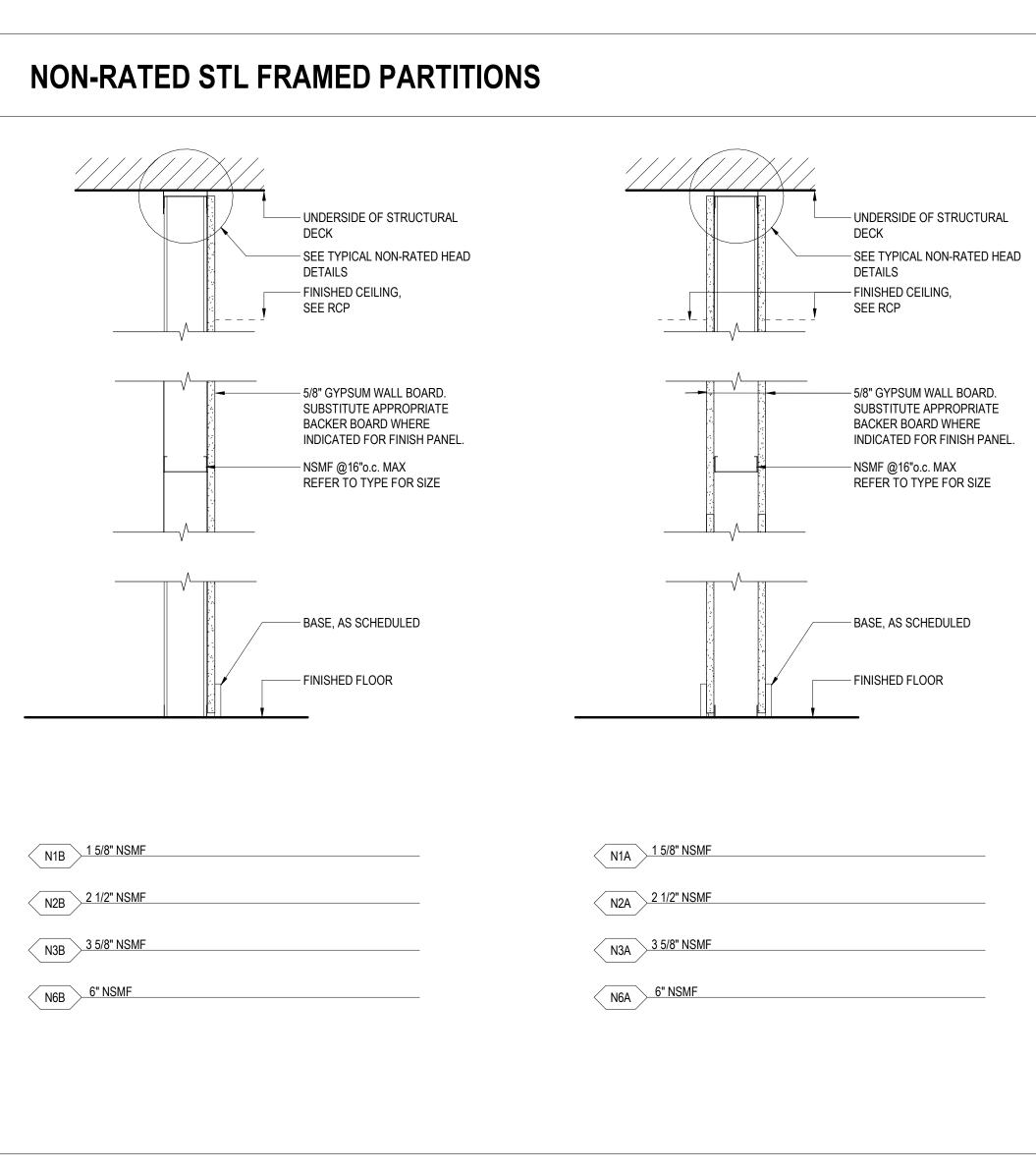
ISSUES AND REVISIONS

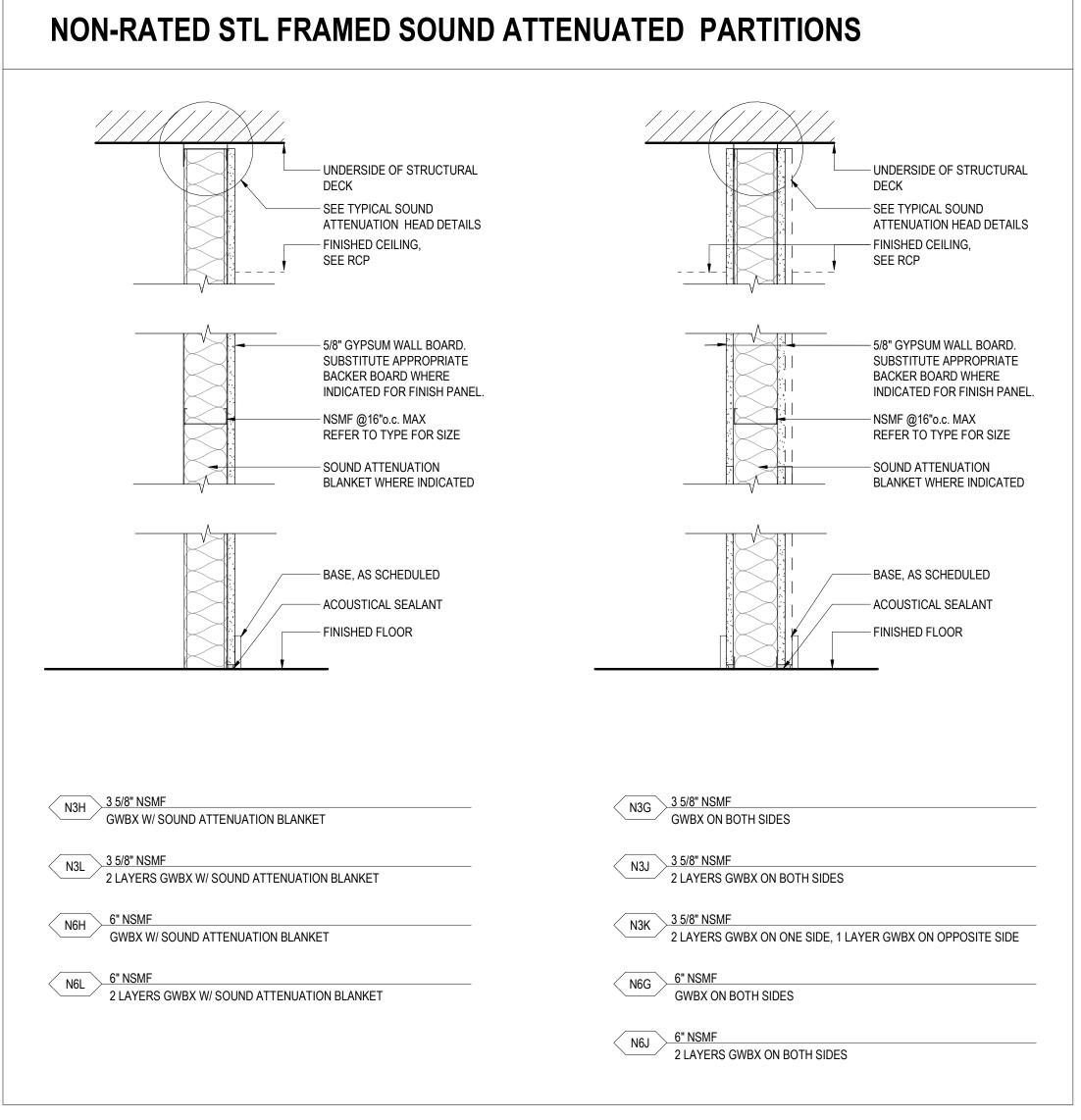
NO. SUBMITTAL SCHEMATIC DESIGN DESIGN DEVELOPMENT

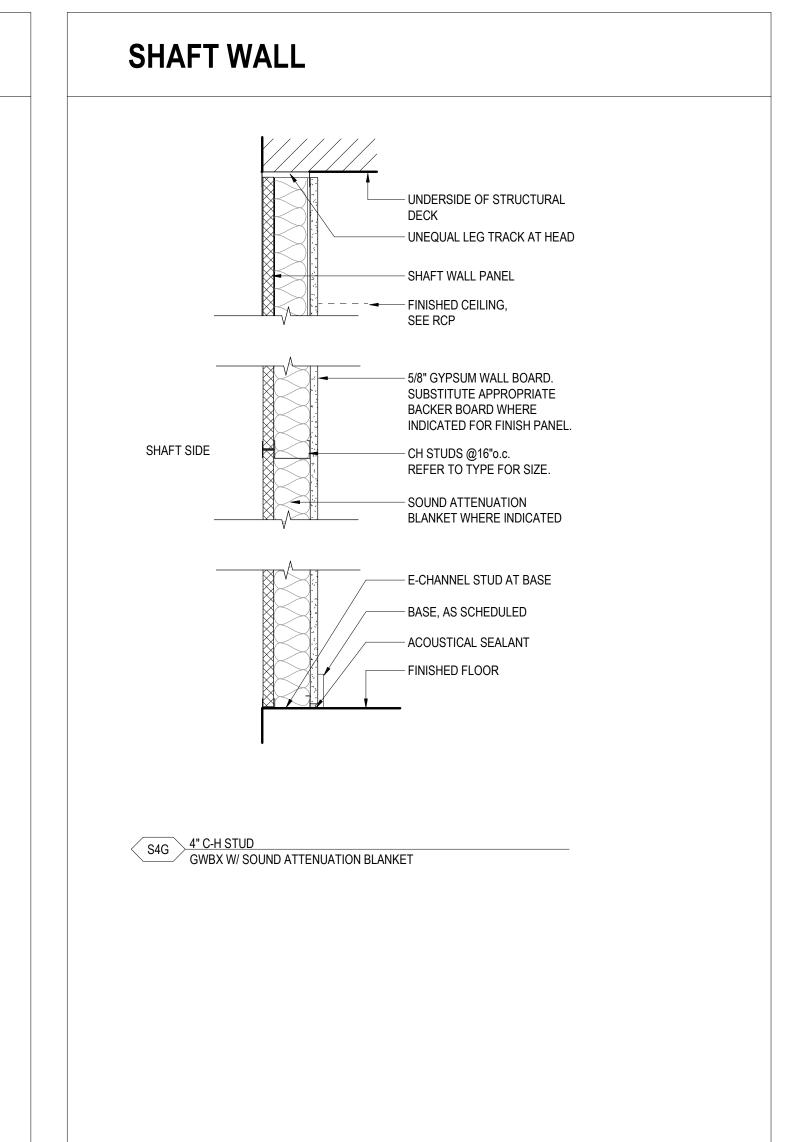
03.05.2021 07.09.2021

ABBREVIATIONS & NOTES











2. REFER TO FIRE PROTECTION PLANS FOR FIRE RESISTANCE RATINGS OF BUILDINGS' ELEMENTS.

3. REFER TO WALL SECTIONS FOR ADDITIONAL DIMENSIONS BETWEEN GRID LINES, CENTER LINES OF STRUCTURE, SHEATHING & EXTERIOR

4. PARTITION STRUCTURE DESCRIBES CORE CONSTRUCTION ONLY. SUBSTRATE MATERIAL SHALL BE DETERMINED BY FINISH. SEE A810 SUMMARY OF FINISHES / MATERIALS FOR FINISH DESCRIPTIONS.



Charlottesville, VA 22902 Washington, DC 20036

1200 18th Street NW Ste 700

200 E Market Street



New City Library

#### New City Library Addition & Renovation

220 North Main Street New City, NY 10956

VMDO Project Number

Checker Checked By Drawn By

#### DRAWING NOT FOR CONSTRUCTION

ISSUES AND REVISIONS

NO. SUBMITTAL

SCHEMATIC DESIGN DESIGN DEVELOPMENT 03.05.2021 07.09.2021

## **PARTITION TAG DIAGRAM**

- PARTITION STRUCTURE - PARTITION STYLE FIRE RATING (WHERE NEEDED) CORE SIZE

PARTITION STRUCTURE:

M. CONCRETE MASONRY

S. SHAFT WALL

0 = 0 7/8" 4 = 4"

1 = 1 5/8" 5 = 5 1/2"

CORE SIZE:

XX

FINISH STYLE:

N. NON-STRUCTURAL METAL FRAMING (NSMF) CT CERAMIC TILE

FIRE RATING:

30 = 30 MIN.45 = 45 MIN.60 = 60 MIN.

2 = 2 1/2" 6 = 6" (NOM. @ MASONRY) 3 = 3 5/8" 8 = 8" (NOM. @ MASONRY) 90 = 90 MIN.2 = 2 HOUR PARTITION STYLE:

- FINISH STYLE

A. (1) SUBSTRATE + CORE + (1) SUBSTRATE

B. (1) SUBSTRATE + CORE C. CORE ONLY

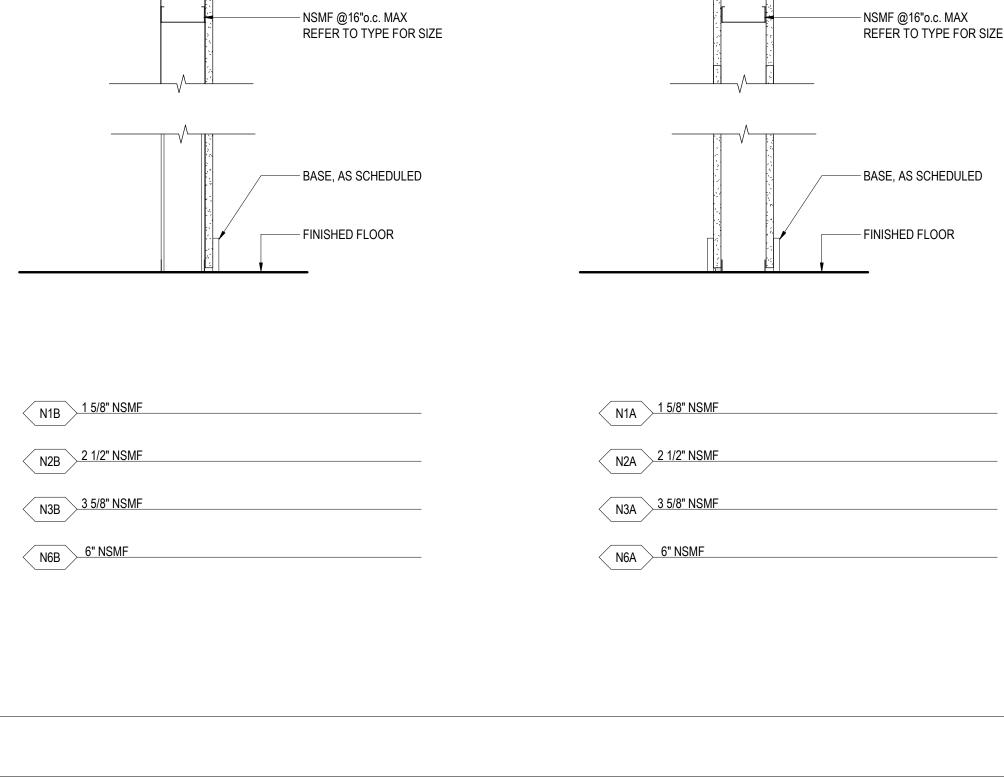
D. (2) SUBSTRATE + CORE + (2) SUBSTRATE

E. (2) SUBSTRATE + CORE + (1) SUBSTRATE F. (2) SUBSTRATE + CORE G. (1) SUBSTRATE + CORE W/ SOUND ATTENUATION + (1) SUBSTRATE
H. (1) SUBSTRATE + CORE W/ SOUND ATTENUATION

WD WOOD PANELING J. (2) SUBSTRATE + CORE W/ SOUND ATTENUATION + (2) SUBSTRATE WC WALL COVERING K. (2) SUBSTRATE + CORE W/ SOUND ATTENUATION + (1) SUBSTRATE AP ACOUSTIC PANEL L. (2) SUBSTRATE + CORE W/ SOUND ATTENUATION



PARTITION & FLOOR



UNDERSIDE OF STRUCTURAL

- SEE TYPICAL RATED HEAD

- 5/8" GYPSUM WALL BOARD.

BACKER BOARD WHERE

REFER TO TYPE FOR SIZE

NSMF @16"o.c. MAX

- BASE, AS SCHEDULED

- FINISHED FLOOR

STANDARD DRYWALL PARTITION

N1D 2.0 1 5/8" NSMF - 2 LAYERS GWBX

N2D 2.0 2 1/2" NSMF - 2 LAYERS GWBX

N3D 2.0 3 5/8" NSMF - 2 LAYERS GWBX

N6D 2.0 6" NSMF - 2 LAYERS GWBX

N1A 0.5 1 5/8" NSMF - GWBX

N1A 1.0 1 5/8" NSMF - GWBX

N2A 0.5 2 1/2" NSMF - GWBX

N2A 1.0 2 1/2" NSMF - GWBX

N3A 0.5 3 5/8" NSMF - GWBX

N3A 1.0 3 5/8" NSMF - GWBX

N6A 0.5 6" NSMF - GWBX

N6A 1.0 6" NSMF - GWBX

SUBSTITUTE APPROPRIATE

INDICATED FOR FINISH PANEL.

- FINISHED CEILING,

DETAILS

SEE RCP

- UNDERSIDE OF STRUCTURAL

SEE TYPICAL RATED HEAD

- 5/8" GYPSUM WALL BOARD.

SUBSTITUTE APPROPRIATE

INDICATED FOR FINISH PANEL.

BACKER BOARD WHERE

REFER TO TYPE FOR SIZE

BASE, AS SCHEDULED

- FINISHED FLOOR

NSMF @16"o.c. MAX

- FINISHED CEILING,

SEE RCP

RATED PARTITIONS

DRYWALL FURRING PARTITION

N1E 2.0 1 5/8" NSMF - 2 LAYERS GWBX

N2E 2.0 2 1/2" NSMF - 2 LAYERS GWBX

N3E 2.0 3 5/8" NSMF - 2 LAYERS GWBX

N6B 0.5 6" NSMF - 2 LAYERS GWBX

N6B 1.0 6" NSMF - 2 LAYERS GWBX

N6E 2.0 6" NSMF - 2 LAYERS GWBX

N1B 0.5 1 5/8" NSMF - GWBX

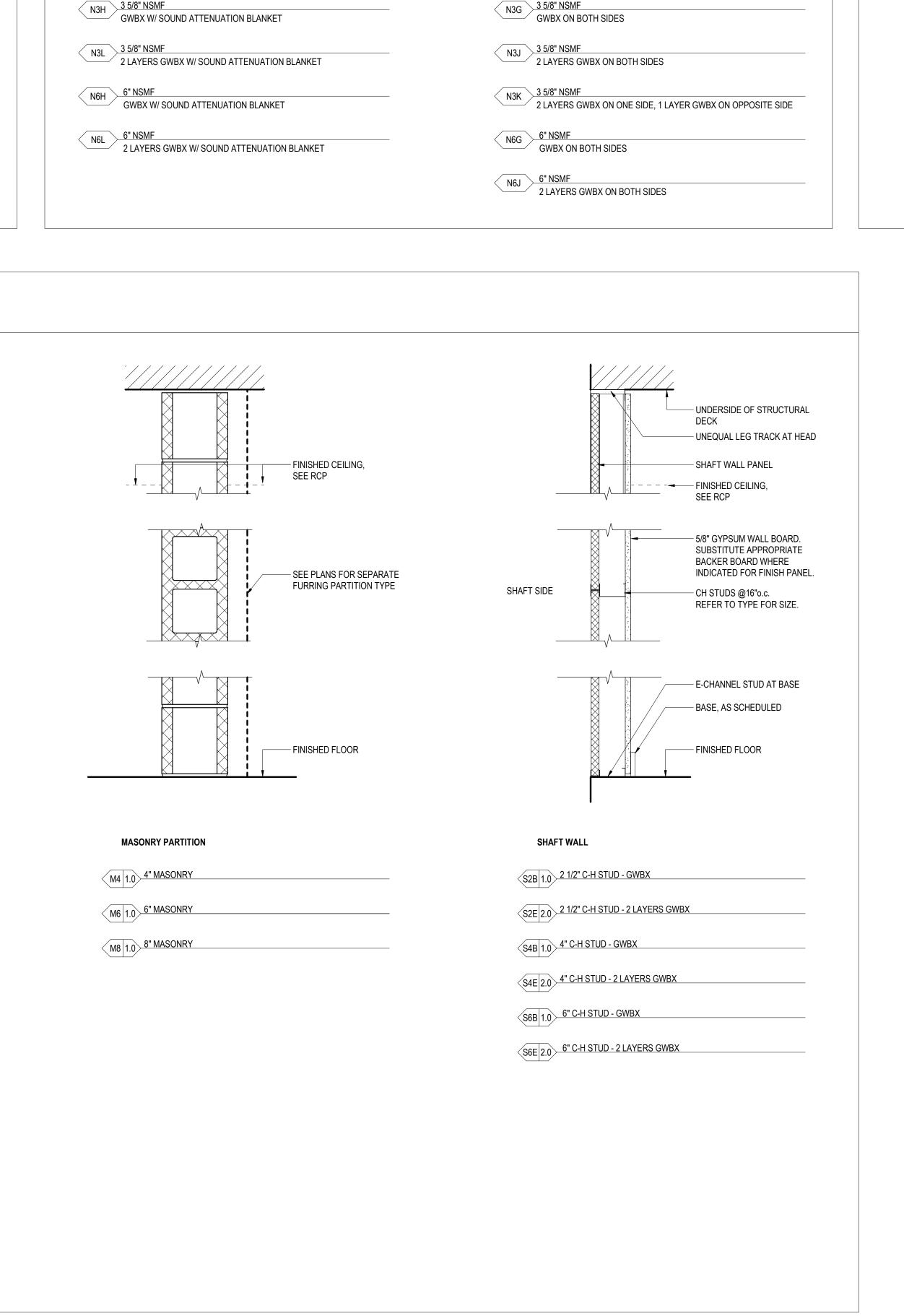
N1B 1.0 1 5/8" NSMF - GWBX

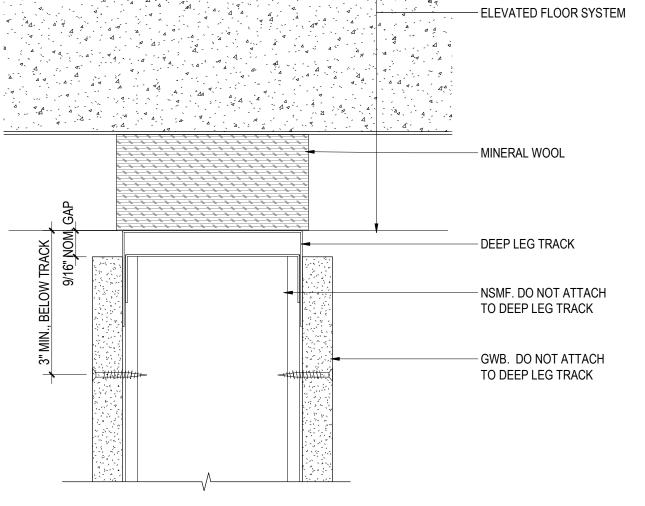
N2B 0.5 2 1/2" NSMF - GWBX

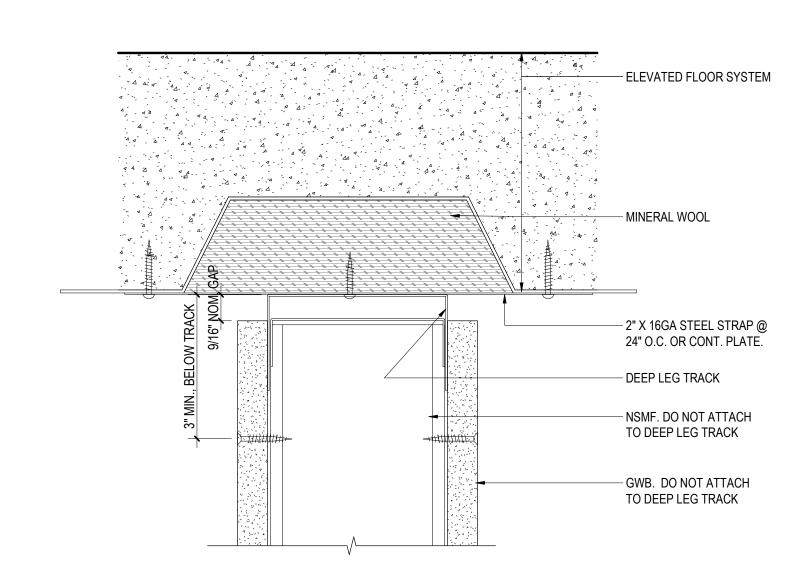
N2B 1.0 2 1/2" NSMF - GWBX

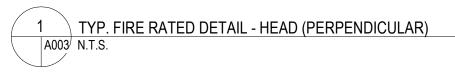
N3B 0.5 3 5/8" NSMF - GWBX

N3B 1.0 3 5/8" NSMF - GWBX













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New City Library

New City Library Addition & Renovation

220 North Main Street New City, NY 10956

VMDO Project Number

Checked By Checker
Drawn By Author

DRAWING NOT FOR CONSTRUCTION

03.05.2021

ISSUES AND REVISIONS

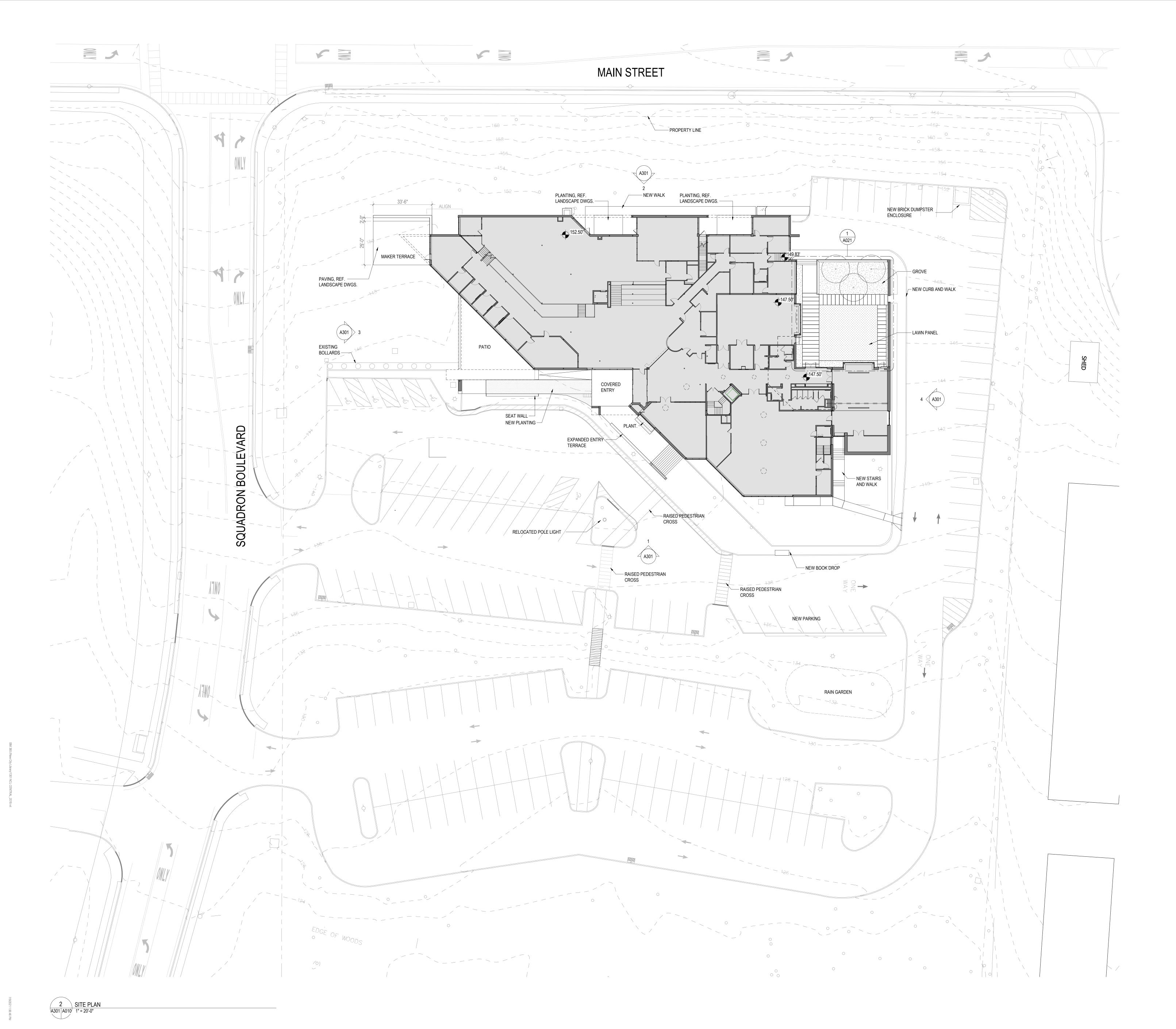
NO. SUBMITTAL
SCHEMATIC DESIGN

TYPICAL, FIRE PROTECTION & SOUND

ATTENUATION DETAILS

A003

DESIGN DEVELOPMENT
07.09.2021







New City Library

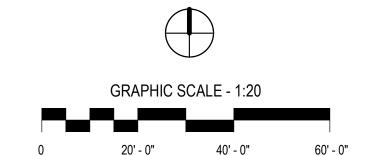
# New City Library Addition & Renovation

220 North Main Street New City, NY 10956

Client Project Number

VMDO Project Number

Checked By Checker
Drawn By JT



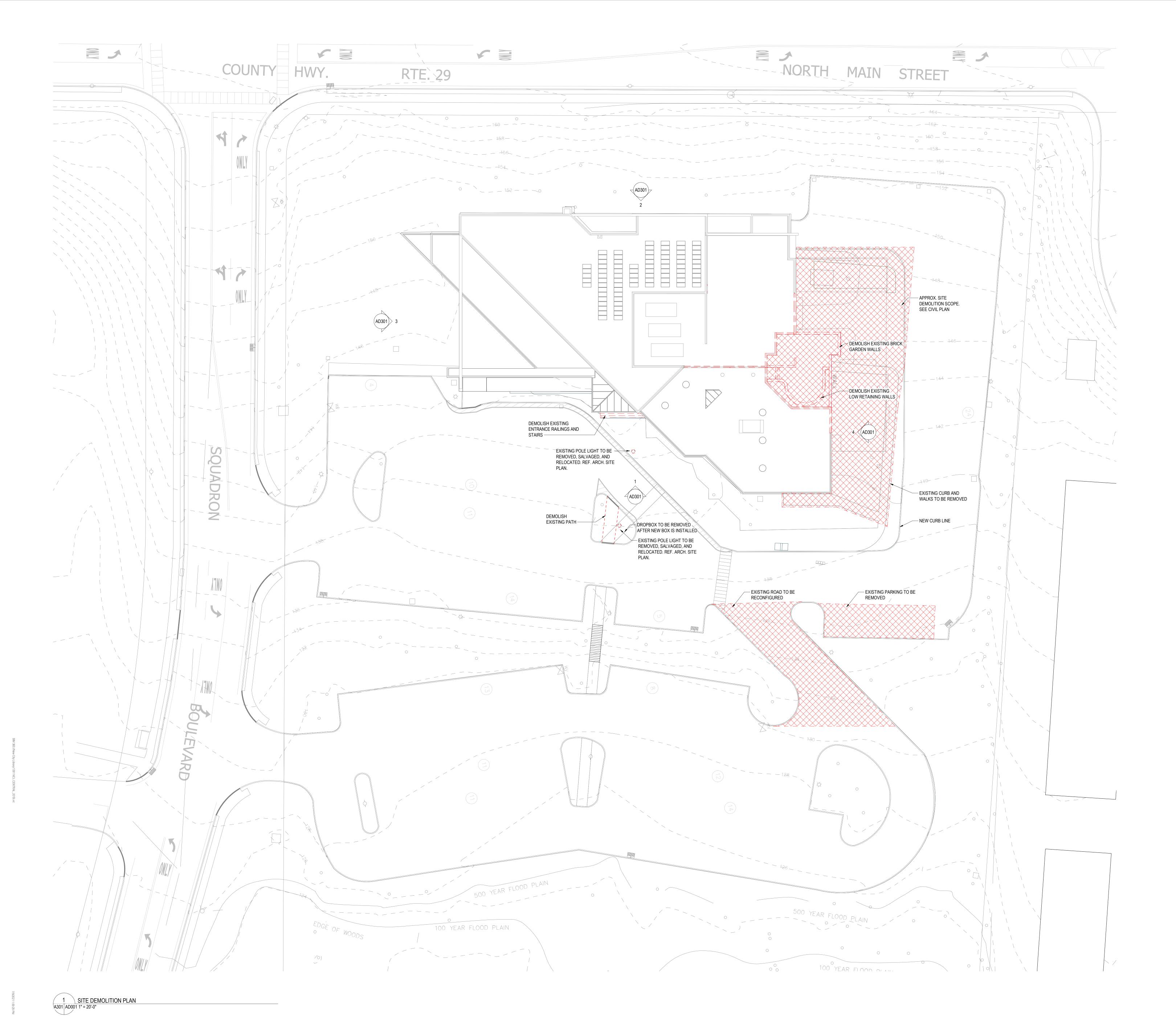
ISSUES AND REVISIONS

NO. SUBMITTAL SCHEMATIC DESIGN

03.05.2021

ARCHITECTURAL SITE PLAN









New City Library

## New City Library Addition & Renovation

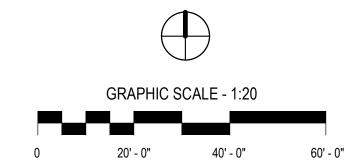
220 North Main Street New City, NY 10956

Client Project Number

VMDO Project Number

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Checked By Drawn By Checker Author



ISSUES AND REVISIONS

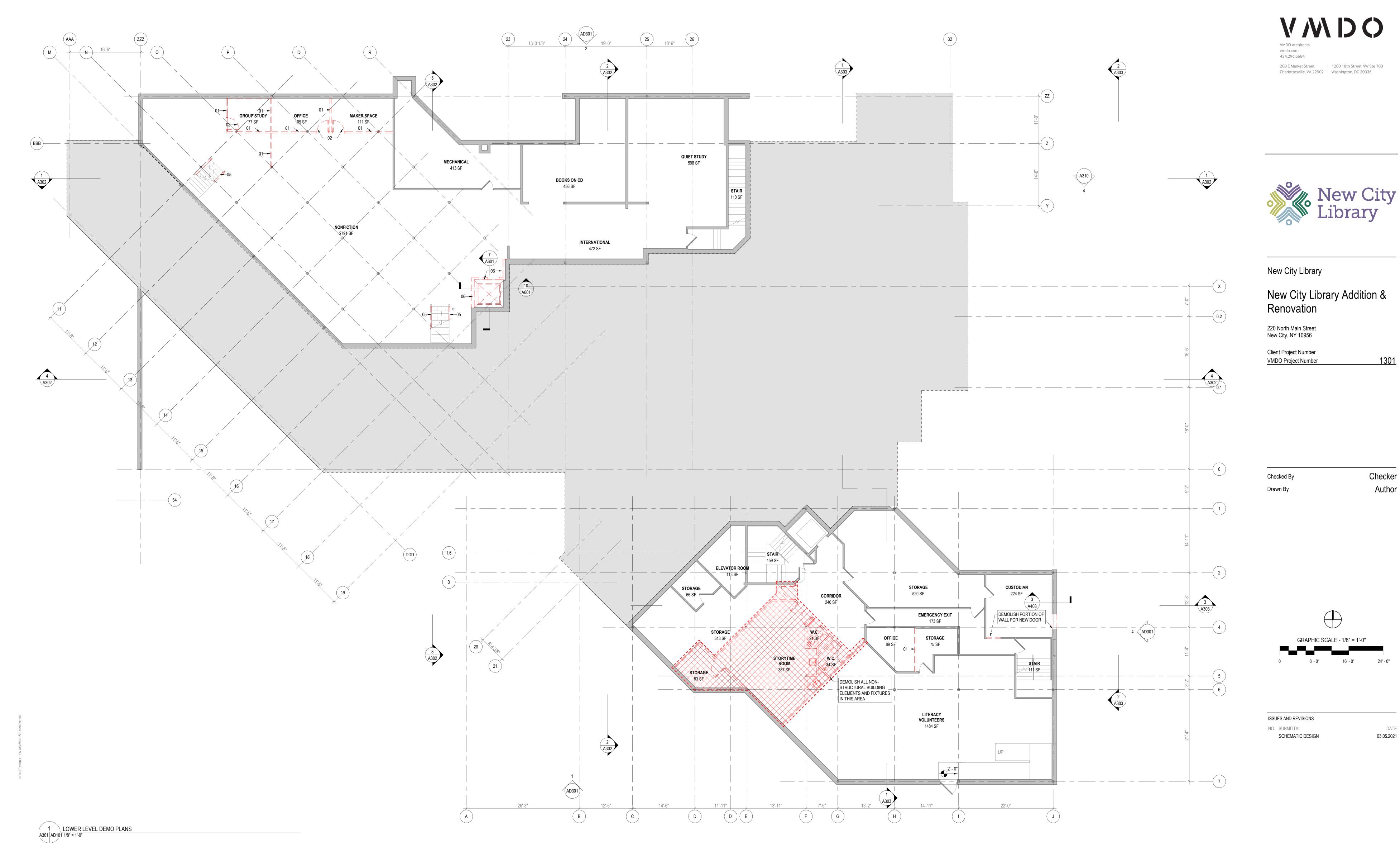
NO. SUBMITTAL
SCHEMATIC DESIGN

03.05.2021

SITE DEMOLITION PLAN

ADO1

DESIGN DEVELOPMENT
07.09.2021



## GENERAL DEMOLITION NOTES:

1. BOOK SHELVES NOT SHOWN FOR CLARITY. ALL BOOK SHELVES ARE TO BE MOVED AND STORED IN A DESIGNATED AREA TBD

## **DEMOLITION NOTES**

DEMOLISH COMPLETE EXISTING INTERIOR WALL AND/OR STOREFRONT. DEMOLISH ASSOCIATED DOORS AND FRAMES DEMOLISH EXISTING HM DOOR AND FRAME

DEMOLISH EXISTING INTERIOR STOREFRONT. SURROUNDING WALL CONSTRUCTION TO REMAIN DEMOLISH EXISTING INTERIOR BRICK WALL. BACKUP WALL TO REMAIN WHERE INDICATED DEMOLISH AND/OR REPLACE RAILINGS AS INDICATED

PARTIALLY DEMOLISH EXISTING ELEVATOR SHAFT. SEE DETAILS AND STRUCTURAL DRAWINGS FOR FULL DEMO SCOPE DEMOLISH EXISTING COLUMN, SEE STRUCTURAL DRAWINGS FOR FULL DEMO AND SHORING DETAILS

DEMOLISH ALL NON- STRUCTURAL ELEMENTS OF EXISTING EXTERIOR WALL

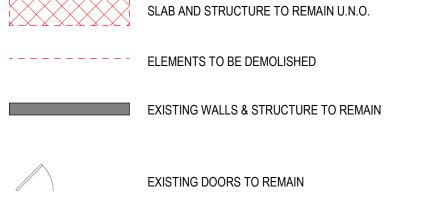
DEMOLISH EXISTING EXTERIOR BRICK WALL AND STOREFRONT WINDOW DEMOLISH EXISTING EXTERIOR STOREFRONT FRAME AND DOOR

DEMOLISH EXISTING LIGHT FIXTURE DEMOLISH EXISTING ACOUSTIC PANEL CEILING

DEMOLISH EXISTING PLASTER CEILING

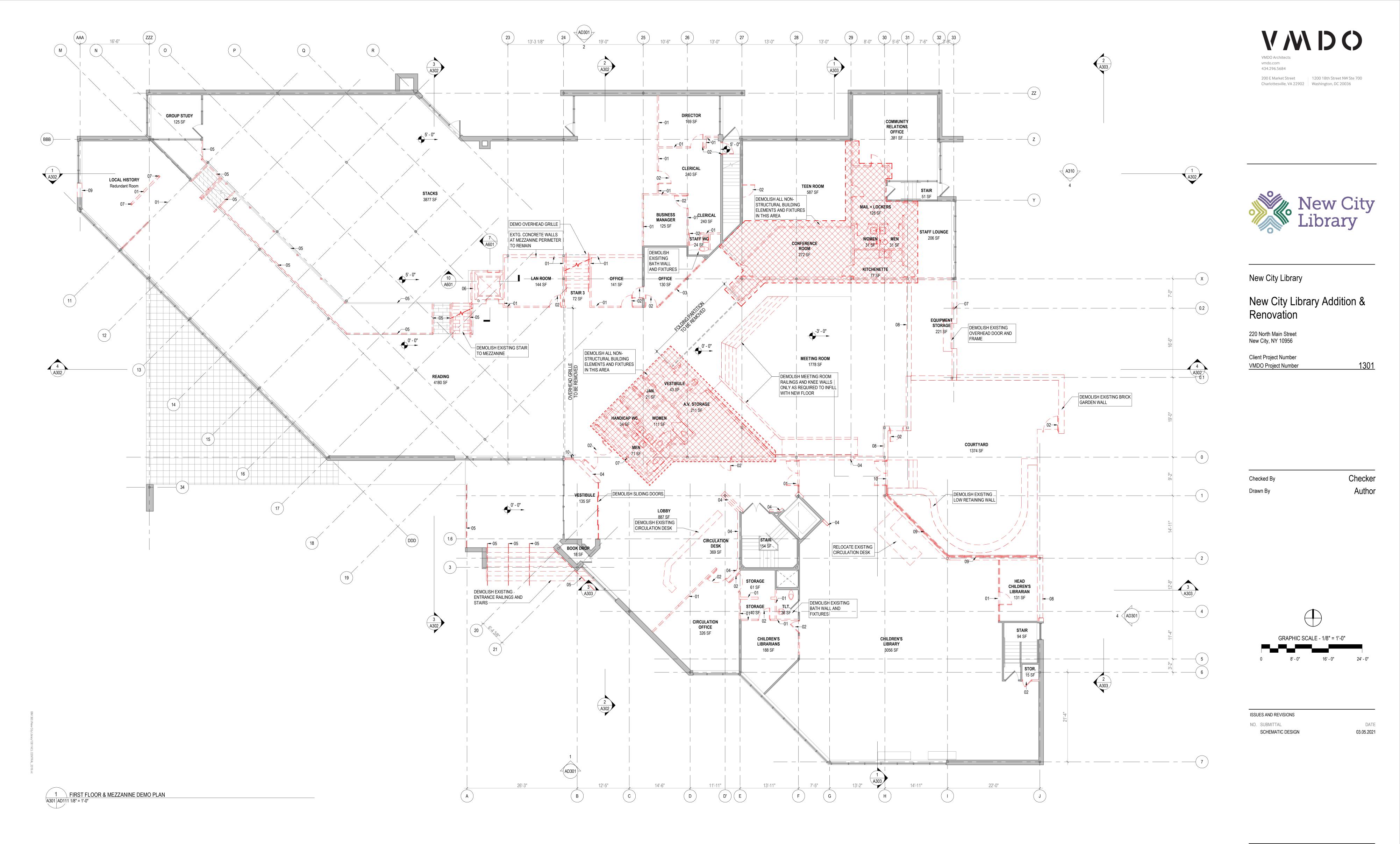
### DEMOLITION LEGEND

\_ DEMOLITION PLAN -LOWER LEVEL & **BASEMENT** AREA OF FULL INTERIOR DEMOLITION. FLOOR



DOORS & FIXTURES TO BE DEMOLISHED





#### **GENERAL DEMOLITION NOTES:**

BOOK SHELVES NOT SHOWN FOR CLARITY. ALL BOOK SHELVES ARE TO BE MOVED AND STORED IN A DESIGNATED AREA TBD

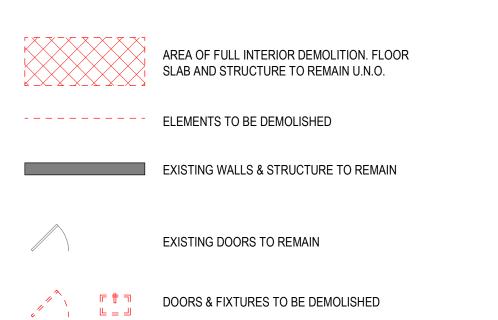
#### **DEMOLITION NOTES**

DEMOLISH EXISTING ACOUSTIC PANEL CEILING

DEMOLISH EXISTING PLASTER CEILING

DEMOLISH COMPLETE EXISTING INTERIOR WALL AND/OR STOREFRONT. DEMOLISH ASSOCIATED DOORS AND FRAMES DEMOLISH EXISTING HM DOOR AND FRAME
DEMOLISH EXISTING INTERIOR STOREFRONT. SURROUNDING WALL CONSTRUCTION TO REMAIN DEMOLISH EXISTING INTERIOR BRICK WALL. BACKUP WALL TO REMAIN WHERE INDICATED DEMOLISH AND/OR REPLACE RAILINGS AS INDICATED PARTIALLY DEMOLISH EXISTING ELEVATOR SHAFT. SEE DETAILS AND STRUCTURAL DRAWINGS FOR FULL DEMO SCOPE DEMOLISH EXISTING COLUMN, SEE STRUCTURAL DRAWINGS FOR FULL DEMO AND SHORING DETAILS DEMOLISH ALL NON- STRUCTURAL ELEMENTS OF EXISTING EXTERIOR WALL DEMOLISH EXISTING EXTERIOR BRICK WALL AND STOREFRONT WINDOW DEMOLISH EXISTING EXTERIOR STOREFRONT FRAME AND DOOR DEMOLISH EXISTING LIGHT FIXTURE

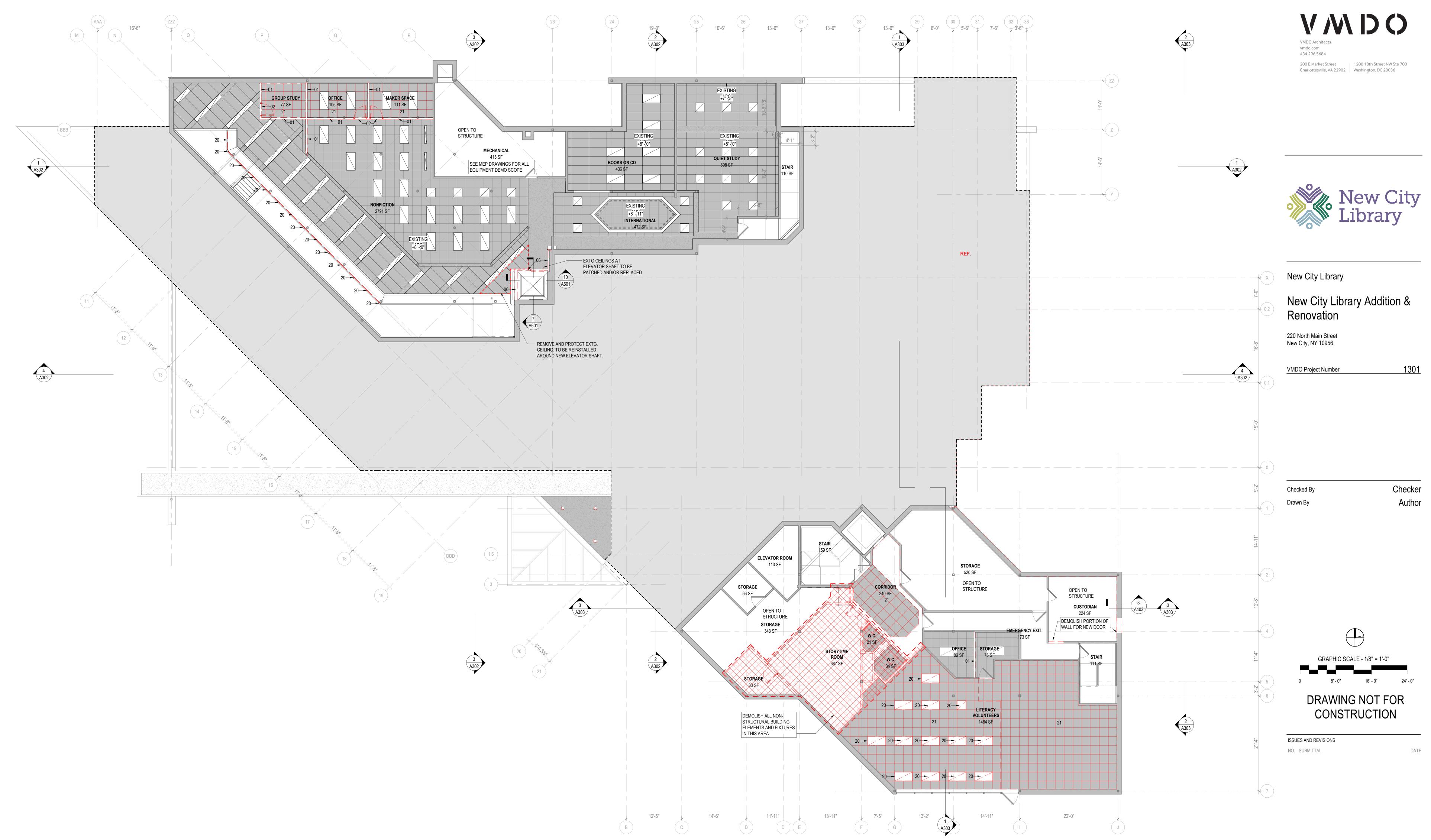
#### **DEMOLITION LEGEND**



- DEMOLITION PLAN -FIRST FLOOR & MEZZANINE

AD11

DESIGN DEVELOPMENT
07.09.2021





## REFLECTED CEILING PLAN

### GENERAL NOTES

CEILING HEIGHTS ARE MEASURED FROM FINISHED FLOOR.
 REFER TO REFLECTED CEILING PLANS FOR GRID LAYOUTS AND FIXTURE LOCATIONS & COORDINATE WITH MEP. IN CASE OF CONFLICT, CONSULT ARCHITECT. SEE ELECTRICAL FOR SPECIFIC LIGHT FIXTURE TYPE DESIGNATION.
 PAINT ALL STRUCTURE AND INFRASTRUCTURE COMPONENTS AND SURFACES AT OPEN OR EXPOSED CEILINGS.
 SPRINKLERS, WHERE SHOWN, INDICATE PREFERRED RELATIONSHIP TO ADJACENT BUILDING ELEMENTS ONLY. ALL SPRINKLER PIPING IS TO BE CONCEALED IN WALL OR CEILING CAVITIES. CONSULT WITH ARCHITECT ON CONFLICTS.
 ALL SUSPENDED ACOUSTICAL TILE CEILINGS SHALL BE CENTERED IN EACH ROOM PER THE REFLECTED CEILING

PLAN U.N.O.

6. CENTER SPRINKLER HEADS, MECHANICAL AIR DEVICES, LIGHT FIXTURES AND OTHER ELECTRICAL DEVICES IN ACOUSTICAL CEILING PANELS, U.N.O.

7. LOCATE M.E.P. COMPONENTS REQUIRING ACCESS AT ACCESSIBLE CEILING AREAS TO THE GREATEST EXTENT

POSSIBLE. WHERE CEILINGS ARE INACCESSIBLE, PROVIDE ACCESS PANELS.

8. SOME M.E.P. COMPONENTS, ELECTRICAL DEVICES AND PLUMBING DEVICES MAY NOT BE SHOWN. REFER TO M.E.P. DRAWINGS.

9. PROVIDE VERTICAL GYP. BD. AT ALL CEILING HEIGHT TRANSITIONS, U.N.O.

#### **DEMOLITION NOTES**

DEMOLISH COMPLETE EXISTING INTERIOR WALL AND/OR STOREFRONT. DEMOLISH ASSOCIATED DOORS AND FRAMES DEMOLISH EXISTING HM DOOR AND FRAME

DEMOLISH EXISTING HM DOOR AND FRAME
DEMOLISH EXISTING INTERIOR STOREFRONT. SURROUNDING WALL CONSTRUCTION TO REMAIN
DEMOLISH EXISTING INTERIOR BRICK WALL. BACKUP WALL TO REMAIN WHERE INDICATED

DEMOLISH AND/OR REPLACE RAILINGS AS INDICATED
PARTIALLY DEMOLISH EXISTING ELEVATOR SHAFT. SEE DETAILS AND STRUCTURAL DRAWINGS FOR FULL DEMO SCOPE
DEMOLISH EXISTING COLUMN, SEE STRUCTURAL DRAWINGS FOR FULL DEMO AND SHORING DETAILS

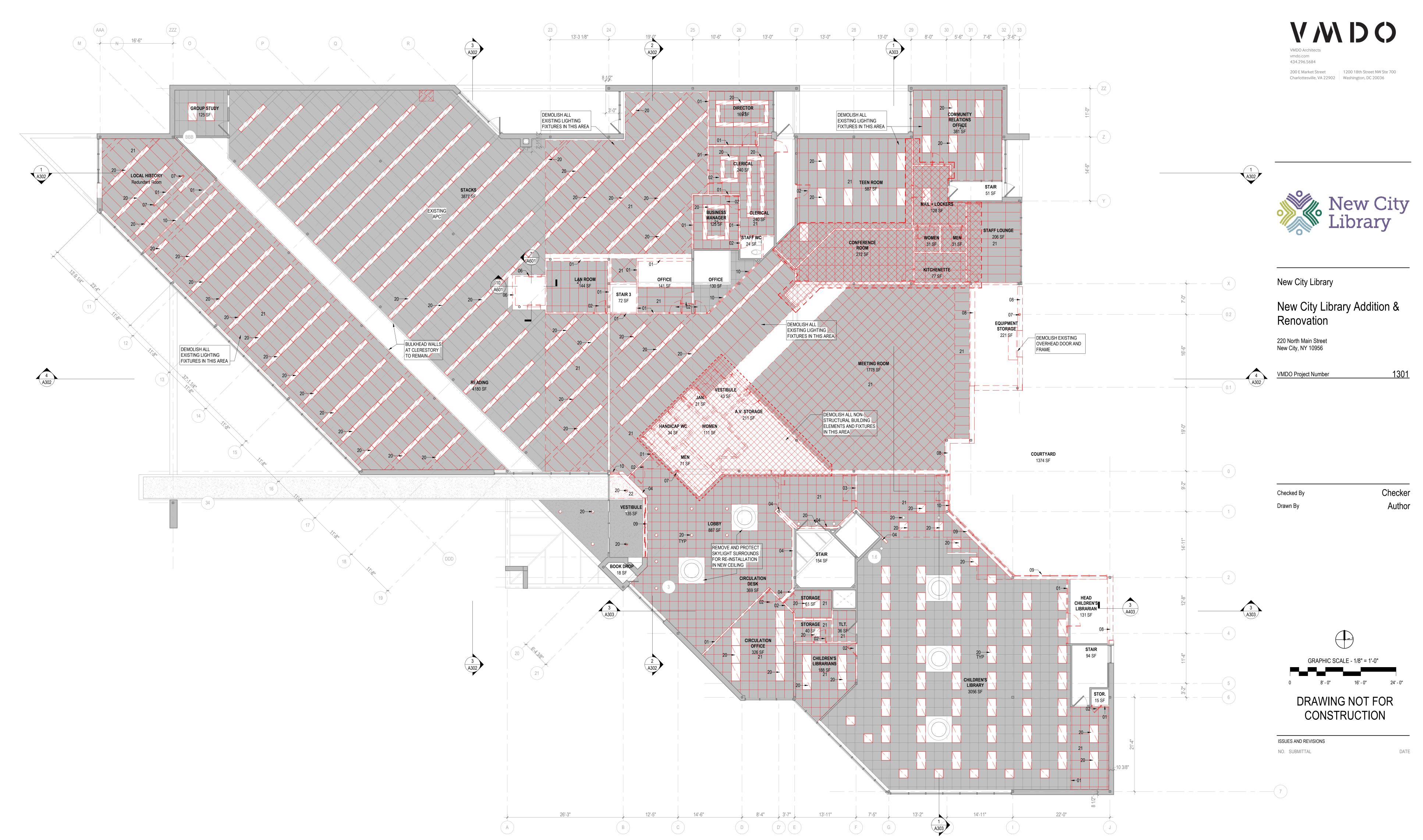
DEMOLISH ALL NON- STRUCTURAL ELEMENTS OF EXISTING EXTERIOR WALL
DEMOLISH EXISTING EXTERIOR BRICK WALL AND STOREFRONT WINDOW

DEMOLISH EXISTING EXTERIOR STOREFRONT FRAME AND DOOR DEMOLISH EXISTING LIGHT FIXTURE DEMOLISH EXISTING ACOUSTIC PANEL CEILING

DEMOLISH EXISTING PLASTER CEILING

DEMOLITION RCP -LOWER LEVEL & BASEMENT





1 EXISITNG RCP FIRST FLOOR AND MEZZANINE DEMO
A301 AD202 1/8" = 1'-0"

## REFLECTED CEILING PLAN GENERAL NOTES

9. PROVIDE VERTICAL GYP. BD. AT ALL CEILING HEIGHT TRANSITIONS, U.N.O.

1. CEILING HEIGHTS ARE MEASURED FROM FINISHED FLOOR. . REFER TO REFLECTED CEILING PLANS FOR GRID LAYOUTS AND FIXTURE LOCATIONS & COORDINATE WITH MEP. IN CASE OF CONFLICT, CONSULT ARCHITECT. SEE ELECTRICAL FOR SPECIFIC LIGHT FIXTURE TYPE DESIGNATION. 3. PAINT ALL STRUCTURE AND INFRASTRUCTURE COMPONENTS AND SURFACES AT OPEN OR EXPOSED CEILINGS. 4. SPRINKLERS, WHERE SHOWN, INDICATE PREFERRED RELATIONSHIP TO ADJACENT BUILDING ELEMENTS ONLY. ALL SPRINKLER PIPING IS TO BE CONCEALED IN WALL OR CEILING CAVITIES. CONSULT WITH ARCHITECT ON CONFLICTS.

5. ALL SUSPENDED ACOUSTICAL TILE CEILINGS SHALL BE CENTERED IN EACH ROOM PER THE REFLECTED CEILING PLAN U.N.O. 6. CENTER SPRINKLER HEADS, MECHANICAL AIR DEVICES, LIGHT FIXTURES AND OTHER ELECTRICAL DEVICES IN ACOUSTICAL CEILING PANELS, U.N.O.

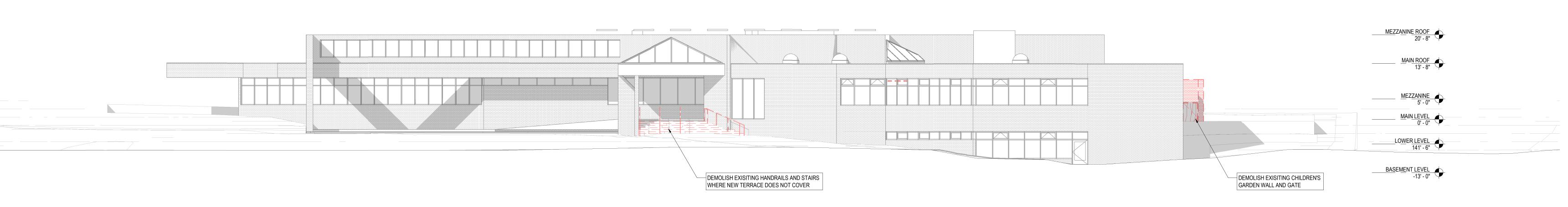
7. LOCATE M.E.P. COMPONENTS REQUIRING ACCESS AT ACCESSIBLE CEILING AREAS TO THE GREATEST EXTENT POSSIBLE. WHERE CEILINGS ARE INACCESSIBLE, PROVIDE ACCESS PANELS. 8. SOME M.E.P. COMPONENTS, ELECTRICAL DEVICES AND PLUMBING DEVICES MAY NOT BE SHOWN. REFER TO M.E.P. **DEMOLITION NOTES** 

DEMOLISH EXISTING PLASTER CEILING

DEMOLISH COMPLETE EXISTING INTERIOR WALL AND/OR STOREFRONT. DEMOLISH ASSOCIATED DOORS AND FRAMES DEMOLISH EXISTING HM DOOR AND FRAME DEMOLISH EXISTING INTERIOR STOREFRONT. SURROUNDING WALL CONSTRUCTION TO REMAIN DEMOLISH EXISTING INTERIOR BRICK WALL. BACKUP WALL TO REMAIN WHERE INDICATED DEMOLISH AND/OR REPLACE RAILINGS AS INDICATED PARTIALLY DEMOLISH EXISTING ELEVATOR SHAFT. SEE DETAILS AND STRUCTURAL DRAWINGS FOR FULL DEMO SCOPE DEMOLISH EXISTING COLUMN, SEE STRUCTURAL DRAWINGS FOR FULL DEMO AND SHORING DETAILS DEMOLISH ALL NON- STRUCTURAL ELEMENTS OF EXISTING EXTERIOR WALL DEMOLISH EXISTING EXTERIOR BRICK WALL AND STOREFRONT WINDOW DEMOLISH EXISTING EXTERIOR STOREFRONT FRAME AND DOOR DEMOLISH EXISTING LIGHT FIXTURE DEMOLISH EXISTING ACOUSTIC PANEL CEILING

**DEMOLITION RCP -**FIRST FLOOR & **MEZZANINE** 

DESIGN DEVELOPMENT
07.09.2021



4 OVERALL WEST ELEVATION - DEMOLITION
AD001 AD301 3/32" = 1'-0"

VWDO 434.296.5684 200 E Market Street 1200 18th Street NW Ste 700 Charlottesville, VA 22902 Washington, DC 20036



New City Library

#### New City Library Addition & Renovation

220 North Main Street New City, NY 10956

VMDO Project Number

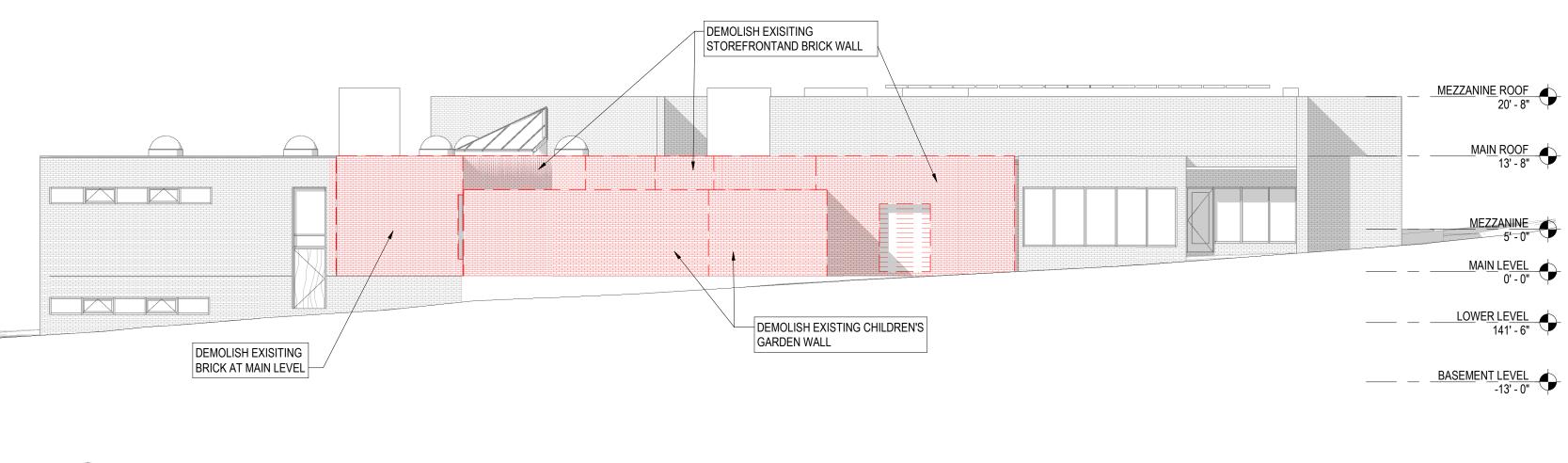
Checked By

MAIN ROOF 13' - 8"

LOWER LEVEL 141' - 6"

Checker Author

Drawn By



GRAPHIC SCALE - 3/32" = 1'-0" 17' - 4" 26' - 0" DRAWING NOT FOR CONSTRUCTION

ISSUES AND REVISIONS NO. SUBMITTAL

SCHEMATIC DESIGN

**KEY DEMOLITION** 

**ELEVATIONS** 

03.05.2021

DATE

## GENERAL DEMOLITION NOTES:

3 OVERALL EAST ELEVATION - DEMOLITION
AD001 AD301 3/32" = 1'-0"

1 OVERALL SOUTH ELEVATION - DEMOLITION
AD001 AD301 3/32" = 1'-0"

2 OVERALL NORTH ELEVATION - DEMOLITION
AD001 AD301 3/32" = 1'-0"

DEMOLISH EXISTING STOREFRONT AND BRICK WALL

DEMOLISH EXISITING BRICK

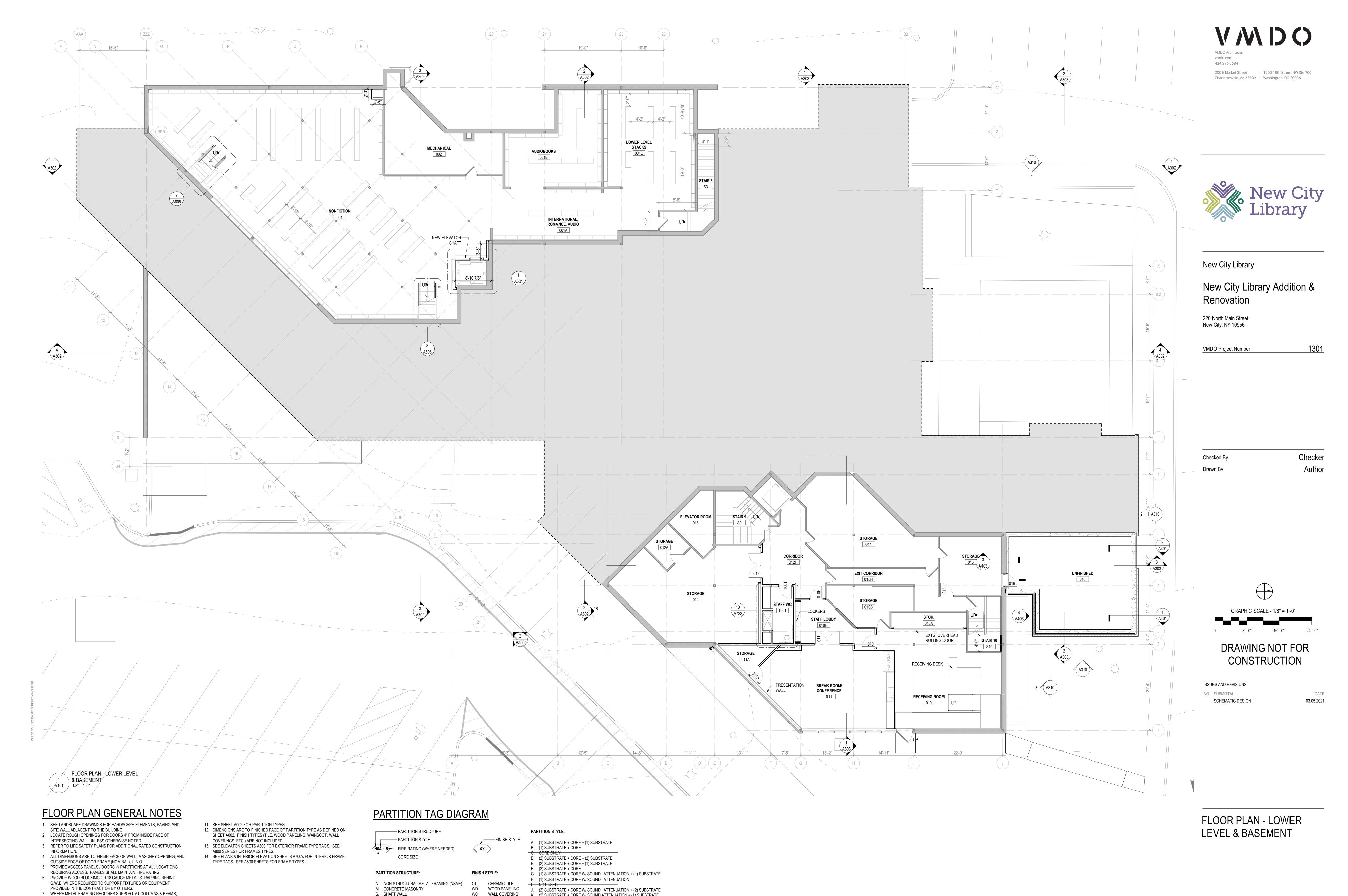
DEMOLISH EXISITING CHILDREN'S GARDEN WALL

BOOK SHELVES NOT SHOWN FOR CLARITY. ALL BOOK SHELVES ARE TO BE MOVED AND STORED IN A DESIGNATED AREA TBD

#### **DEMOLITION LEGEND**

AREA OF FULL INTERIOR DEMOLITION. FLOOR SLAB AND STRUCTURE TO REMAIN U.N.O. ---- ELEMENTS TO BE DEMOLISHED EXISTING WALLS & STRUCTURE TO REMAIN

EXISTING DOORS TO REMAIN DOORS & FIXTURES TO BE DEMOLISHED DESIGN DEVELOPMENT
07.09.2021



S. SHAFT WALL

0 = 0 7/8" 4 = 4"

5 = 5 1/2"

2 = 2 1/2" 6 = 6" (NOM. @ MASONRY)

3 = 3 5/8" 8 = 8" (NOM. @ MASONRY)

CORE SIZE:

1 = 1 5/8"

PROVIDE METAL STAND-OFFS PRIOR TO APPLYING FIREPROOFING. 8. ALL M.E.P. AND I.T. SYSTEMS ARE TO BE CONCEALED WITHIN WALL OR

9. ALL INTERIOR PARTITIONS ARE TYPE **N3A** U.N.O. SEE T002 FOR PARTITION

CEILING CAVITY, U.N.O.

TYPES.

WC WALL COVERING

FIRE RATING:

30 = 30 MIN.

45 = 45 MIN.

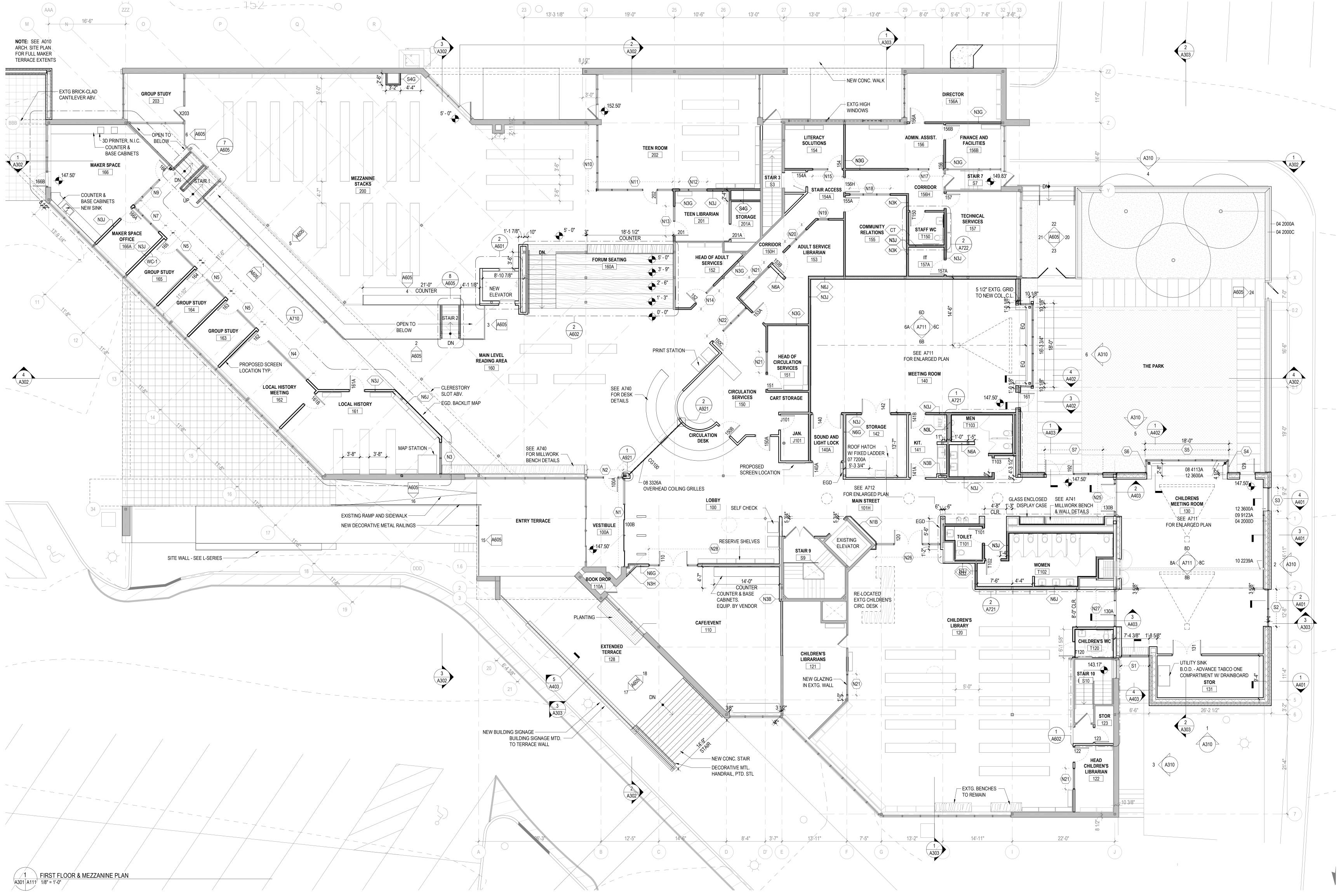
60 = 60 MIN.

90 = 90 MIN. 2 = 2 HOUR

K. (2) SUBSTRATE + CORE W/ SOUND ATTENUATION + (1) SUBSTRATE

AP ACOUSTIC PANEL L. (2) SUBSTRATE + CORE W/ SOUND ATTENUATION

DESIGN DEVELOPMENT
07.09.2021



# VWDO

434.296.5684 1200 18th Street NW Ste 700 200 E Market Street

New City Library

New City Library

#### New City Library Addition & Renovation

220 North Main Street New City, NY 10956

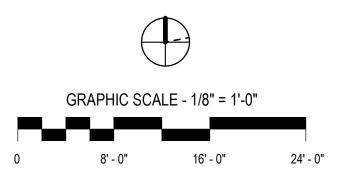
VMDO Project Number

Drawn By

Checked By

Checker

Author



DRAWING NOT FOR CONSTRUCTION

ISSUES AND REVISIONS NO. SUBMITTAL SCHEMATIC DESIGN

03.05.2021 DESIGN DEVELOPMENT 07.09.2021

#### FLOOR PLAN GENERAL NOTES

- 1. SEE LANDSCAPE DRAWINGS FOR HARDSCAPE ELEMENTS, PAVING AND SITE WALL ADJACENT TO THE BUILDING.
- 2. LOCATE ROUGH OPENINGS FOR DOORS 4" FROM INSIDE FACE OF INTERSECTING WALL UNLESS OTHERWISE NOTED. 3. REFER TO LIFE SAFETY PLANS FOR ADDITIONAL RATED CONSTRUCTION INFORMATION.
- 4. ALL DIMENSIONS ARE TO FINISH FACE OF WALL, MASONRY OPENING, AND OUTSIDE EDGE OF DOOR FRAME (NOMINAL), U.N.O. 5. PROVIDE ACCESS PANELS / DOORS IN PARTITIONS AT ALL LOCATIONS
- REQUIRING ACCESS. PANELS SHALL MAINTAIN FIRE RATING. 6. PROVIDE WOOD BLOCKING OR 18 GAUGE METAL STRAPPING BEHIND G.W.B. WHERE REQUIRED TO SUPPORT FIXTURES OR EQUIPMENT
- PROVIDED IN THE CONTRACT OR BY OTHERS. 7. WHERE METAL FRAMING REQUIRES SUPPORT AT COLUMNS & BEAMS, PROVIDE METAL STAND-OFFS PRIOR TO APPLYING FIREPROOFING.
- CEILING CAVITY, U.N.O.
- 8. ALL M.E.P. AND I.T. SYSTEMS ARE TO BE CONCEALED WITHIN WALL OR 9. ALL INTERIOR PARTITIONS ARE TYPE **N3A** U.N.O. SEE T002 FOR PARTITION

TYPES.

- 12. DIMENSIONS ARE TO FINISHED FACE OF PARTITION TYPE AS DEFINED ON
- SHEET A002. FINISH TYPES (TILE, WOOD PANELING, WAINSCOT, WALL COVERINGS, ETC.) ARE NOT INCLUDED. 13. SEE ELEVATON SHEETS A300 FOR EXTERIOR FRAME TYPE TAGS. SEE
- A800 SERIES FOR FRAMES TYPES. 14. SEE PLANS & INTERIOR ELEVATION SHEETS A700's FOR INTERIOR FRAME TYPE TAGS. SEE A800 SHEETS FOR FRAME TYPES.

#### 11. SEE SHEET A002 FOR PARTITION TYPES.

- PARTITION STYLE NGA 1.5 FIRE RATING (WHERE NEEDED) CORE SIZE

## $\langle XX \rangle$

FINISH STYLE:

FIRE RATING:

30 = 30 MIN.

45 = 45 MIN.

60 = 60 MIN.

90 = 90 MIN.2 = 2 HOUR

CT CERAMIC TILE

WD WOOD PANELING

PARTITION TAG DIAGRAM

— PARTITION STRUCTURE

#### PARTITION STRUCTURE: N. NON-STRUCTURAL METAL FRAMING (NSMF) M. CONCRETE MASONRY

8 = 8" (NOM. @ MASONRY)

## S. SHAFT WALL

#### CORE SIZE: 0 = 0 7/8" 4 = 4" 1 = 1 5/8" 5 = 5 1/2" 2 = 2 1/2" 6 = 6" (NOM. @ MASONRY)

### **PARTITION STYLE:**

FINISH STYLE A. (1) SUBSTRATE + CORE + (1) SUBSTRATE B. (1) SUBSTRATE + CORE

> C. CORE ONLY D. (2) SUBSTRATE + CORE + (2) SUBSTRATE

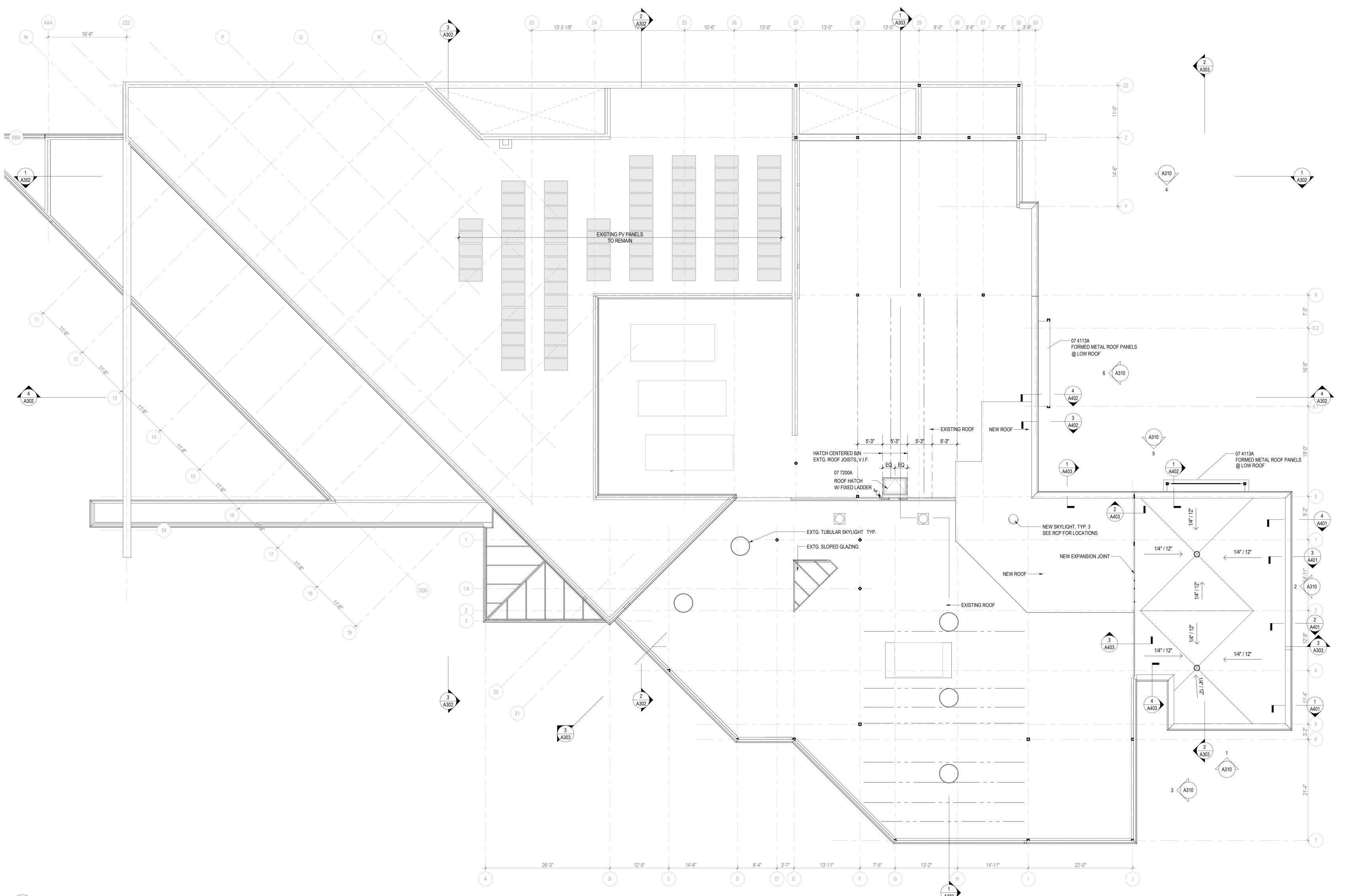
E. (2) SUBSTRATE + CORE + (1) SUBSTRATE F. (2) SUBSTRATE + CORE

G. (1) SUBSTRATE + CORE W/ SOUND ATTENUATION + (1) SUBSTRATE H. (1) SUBSTRATE + CORE W/ SOUND ATTENUATION I. NOT USED

J. (2) SUBSTRATE + CORE W/ SOUND ATTENUATION + (2) SUBSTRATE WC WALL COVERING K. (2) SUBSTRATE + CORE W/ SOUND ATTENUATION + (1) SUBSTRATE AP ACOUSTIC PANEL L. (2) SUBSTRATE + CORE W/ SOUND ATTENUATION

FLOOR PLAN - FIRST FLOOR & MEZZANINE





VMDO Architects
vmdo.com
434.296.5684



New City Library

New City Library Addition & Renovation

220 North Main Street New City, NY 10956

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

DRAWING NOT FOR CONSTRUCTION

03.05.2021

ISSUES AND REVISIONS

NO. SUBMITTAL SCHEMATIC DESIGN

**ROOF PLAN** 

ROOF PLAN

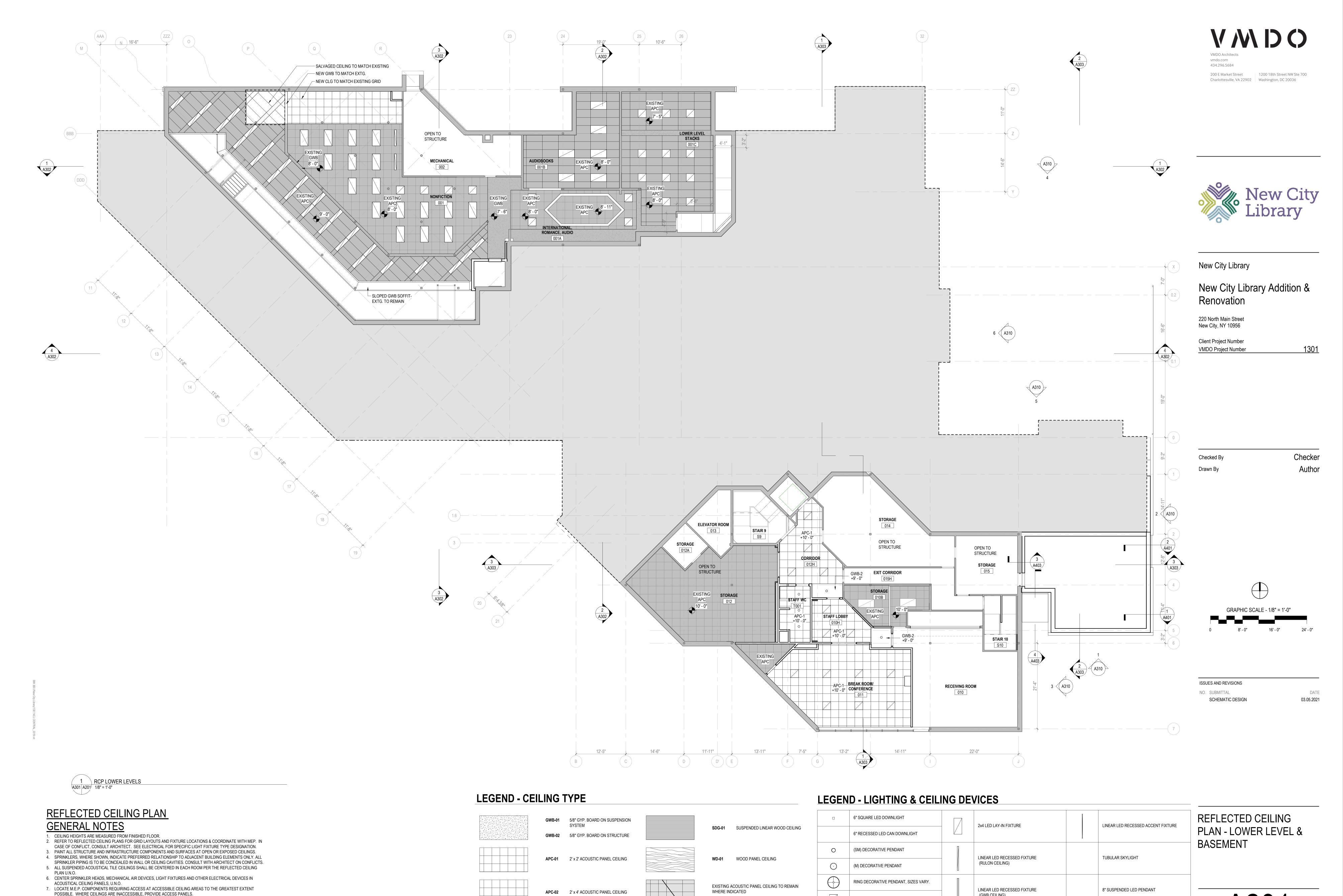
A131
DESIGN DEVELOPMENT

## ROOF PLAN GENERAL NOTES

- 1. ALL TAPERED ROOFING INSULATION SHALL HAVE A MINIMUM DEPTH OF ???? AT DRAINS & SLOPE TO DRAIN AT 1/4" PER FOOT, TYPICAL.
  2. PROVIDE CRICKETS AT ALL OBSTRUCTIONS TO MAINTAIN POSITIVE DRAINAGE.
- 3. ALL BLOCKING SHALL BE PRESSURE TREATED. PROVIDE FLEXIBLE FLASHING THAT IS COMPATIBLE WITH SPECIFIED ROOF MEMBRANE AS A SEPARATION FROM STEEL DECKING.
- 4. ALL ROOF-MOUNTED MECHANICAL EQUIPMENT THAT REQUIRES SERVICE SHALL BE LOCATED MORE THAN 10 FEET FROM EDGE OF ROOF. IF ANY MECHANICAL EQUIPMENT REQUIRING SERVICE CANNOT BE LOCATED 10 FEET FROM EDGE OF ROOF, CONTRACTOR SHALL NOTIFY ARCHITECT
- 5. PROVIDE WALKWAY PADS AT ALL ROOF ACCESS POINTS AND TO ALL ROOFTOP MOUNTED MECHANICAL UNITS.
  6. COORDINATE ALL ROOF PENETRATIONS W/ MECH., PLUMB., ELEC. AND STRUCTURAL DRAWINGS. SEE M.E.P. DRAWINGS FOR ADDITIONAL ROOF
- PENETRATIONS NOT SHOWN.

  7. FLASH & SEAL ALL PENETRATIONS & CURRS PER PROPERING MANUFACTURER'S RECOMMENDED DETAILS AND APPLICABLE NRCA PLATES.
- 7. FLASH & SEAL ALL PENETRATIONS & CURBS PER ROOFING MANUFACTURER'S RECOMMENDED DETAILS AND APPLICABLE NRCA PLATES.
  8. PROVIDE CONTINUOUS ROOF MEMBRANE OVER ALL CURBS AND EQUIPMENT PADS. PAD & CURB SIZES ARE TO BE DETERMINED BY EQUIPMENT
- REQUIREMENTS.
  9. ROOF EXPANSION JOINTS TO BE COORDINATED W/ CEILING, WALL & FLOOR EXPANSION JOINTS.
- PROVIDE CONTINUOUS FLASHING & COUNTER FLASHING AT ALL ROOF TO WALL CONDITIONS & PARAPET CONDITIONS.
   REFER TO ROOFING MANUFACTURER'S REQUIREMENTS FOR CAP SHEET FLASHING, BASE TIE-INS AND SEALANT BEADS.
   REFER TO APPLICABLE FACTORY MUTUAL LISTING FOR FASTENING METHODS AND SPACING.
- 12. REFER TO APPLICABLE FACTORY MOTURAL LISTING FOR FASTENING II
  13. REFER TO TYPICAL ROOF ASSEMBLIES FOR TYPICAL ROOF TYPES
  14. SLOPE ALL COPINGS TOWARD ROOF U.N.O.

**KEYNOTES** 



APC-03 SUSPENDED TECTUM BAFFLE

CEILING

8. SOME M.E.P. COMPONENTS, ELECTRICAL DEVICES AND PLUMBING DEVICES MAY NOT BE SHOWN. REFER TO M.E.P.

9. PROVIDE VERTICAL GYP. BD. AT ALL CEILING HEIGHT TRANSITIONS, U.N.O.

(L) DECORATIVE PENDANT

(GWB CEILING)

SUSPENDED FIXTURE

LINEAR LED DIRECT/IN-DIRECT LED

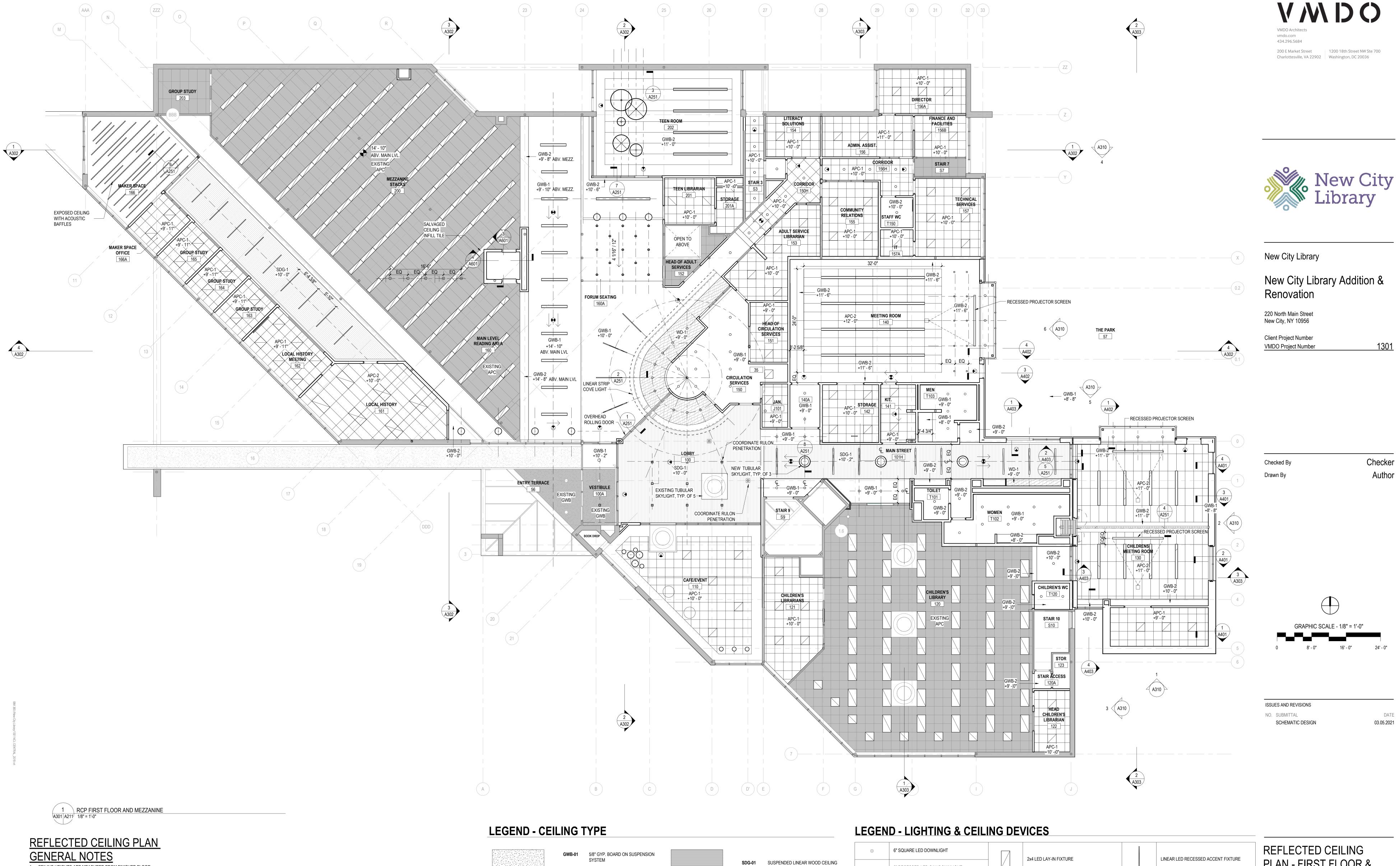
2x2 LED LAY-IN FIXTURE

EMERGENCY EXIT SIGN

LED COVE LIGHT (CIRCULATION SERVICES)

 $\uparrow \bigotimes \uparrow$ 

\_ \_ \_ \_ \_



1. CEILING HEIGHTS ARE MEASURED FROM FINISHED FLOOR.

- 2. REFER TO REFLECTED CEILING PLANS FOR GRID LAYOUTS AND FIXTURE LOCATIONS & COORDINATE WITH MEP. IN CASE OF CONFLICT, CONSULT ARCHITECT. SEE ELECTRICAL FOR SPECIFIC LIGHT FIXTURE TYPE DESIGNATION. 3. PAINT ALL STRUCTURE AND INFRASTRUCTURE COMPONENTS AND SURFACES AT OPEN OR EXPOSED CEILINGS.
- 4. SPRINKLERS, WHERE SHOWN, INDICATE PREFERRED RELATIONSHIP TO ADJACENT BUILDING ELEMENTS ONLY. ALL SPRINKLER PIPING IS TO BE CONCEALED IN WALL OR CEILING CAVITIES. CONSULT WITH ARCHITECT ON CONFLICTS. 5. ALL SUSPENDED ACOUSTICAL TILE CEILINGS SHALL BE CENTERED IN EACH ROOM PER THE REFLECTED CEILING
- PLAN U.N.O. 6. CENTER SPRINKLER HEADS, MECHANICAL AIR DEVICES, LIGHT FIXTURES AND OTHER ELECTRICAL DEVICES IN ACOUSTICAL CEILING PANELS, U.N.O.
- 7. LOCATE M.E.P. COMPONENTS REQUIRING ACCESS AT ACCESSIBLE CEILING AREAS TO THE GREATEST EXTENT POSSIBLE. WHERE CEILINGS ARE INACCESSIBLE, PROVIDE ACCESS PANELS.

8. SOME M.E.P. COMPONENTS, ELECTRICAL DEVICES AND PLUMBING DEVICES MAY NOT BE SHOWN. REFER TO M.E.P.

DRAWINGS. 9. PROVIDE VERTICAL GYP. BD. AT ALL CEILING HEIGHT TRANSITIONS, U.N.O. GWB-02 5/8" GYP. BOARD ON STRUCTURE APC-01 2' x 2' ACOUSTIC PANEL CEILING APC-02 2' x 4' ACOUSTIC PANEL CEILING

APC-03 SUSPENDED TECTUM BAFFLE

CEILING

WD-01

WHERE INDICATED

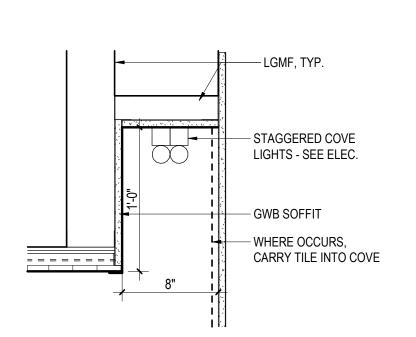
WOOD PANEL CEILING

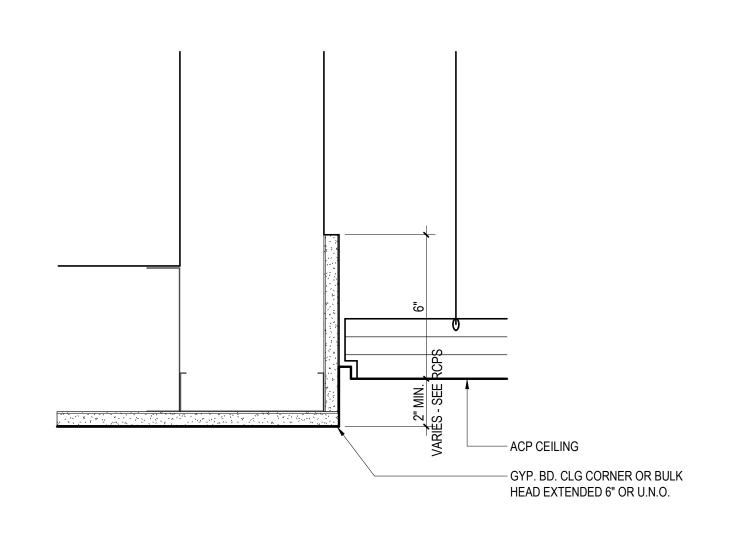
EXISTING ACOUSTIC PANEL CEILING TO REMAIN

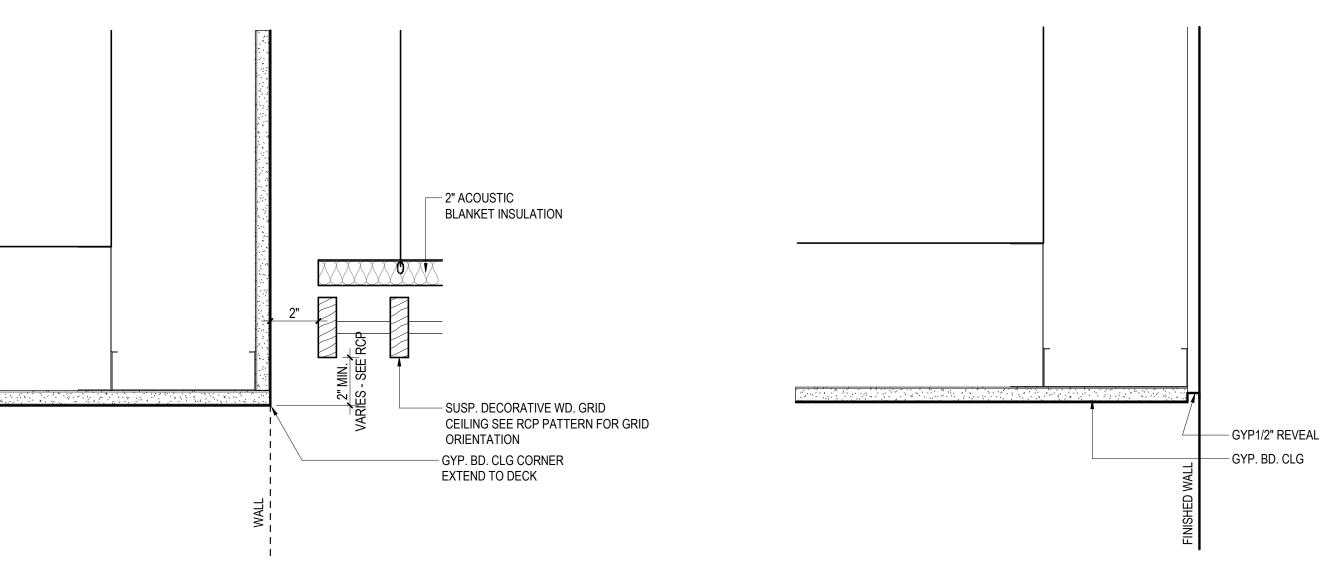
	6" SQUARE LED DOWNLIGHT		2x4 LED LAY-IN FIXTURE	LINEAR LED RECESSED ACCENT FIXTURE
	6" RECESSED LED CAN DOWNLIGHT			
0	(SM) DECORATIVE PENDANT		LINEAR LED RECESSED FIXTURE (RULON CEILING)	TUBULAR SKYLIGHT
$\odot$	(M) DECORATIVE PENDANT			
$\oplus$	RING DECORATIVE PENDANT, SIZES VARY.		LINEAR LED RECESSED FIXTURE (GWB CEILING)	8" SUSPENDED LED PENDANT
	2x2 LED LAY-IN FIXTURE			
$\bigcirc \bigcirc \bigcirc$	EMERGENCY EXIT SIGN		LINEAD LED DIDECTIN DIDECT LED	(L) DECORATIVE PENDANT
	LED COVE LIGHT (CIRCULATION SERVICES)		LINEAR LED DIRECT/IN-DIRECT LED SUSPENDED FIXTURE	

## PLAN - FIRST FLOOR & **MEZZANINE**

DESIGN DEVELOPMENT

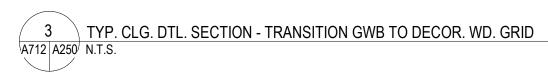


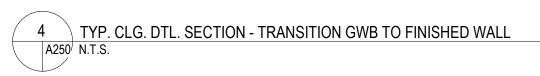


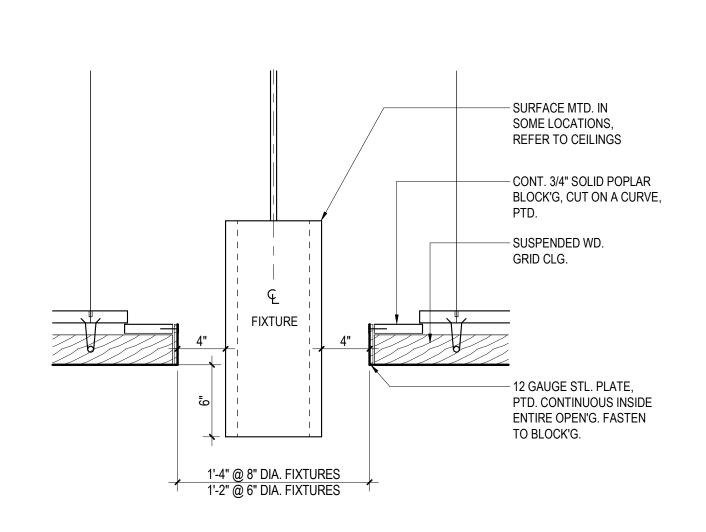


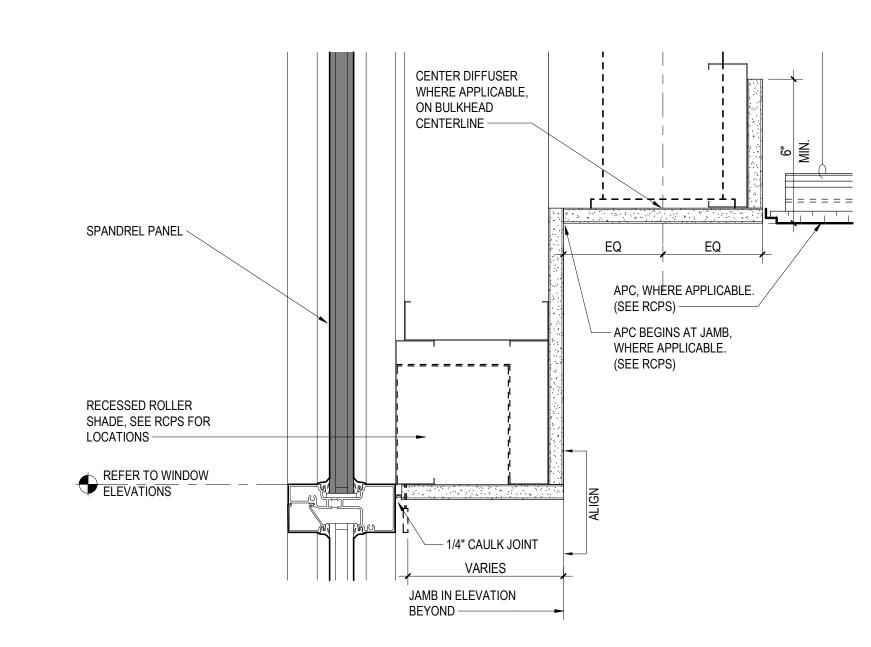


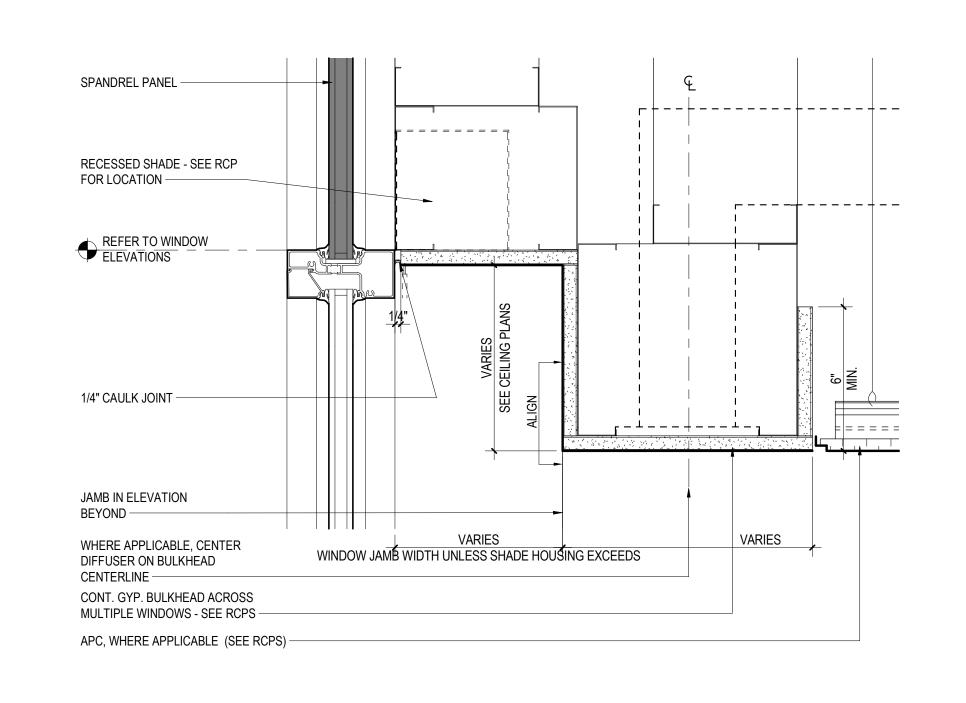






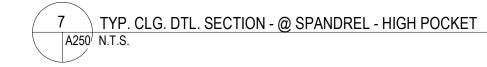


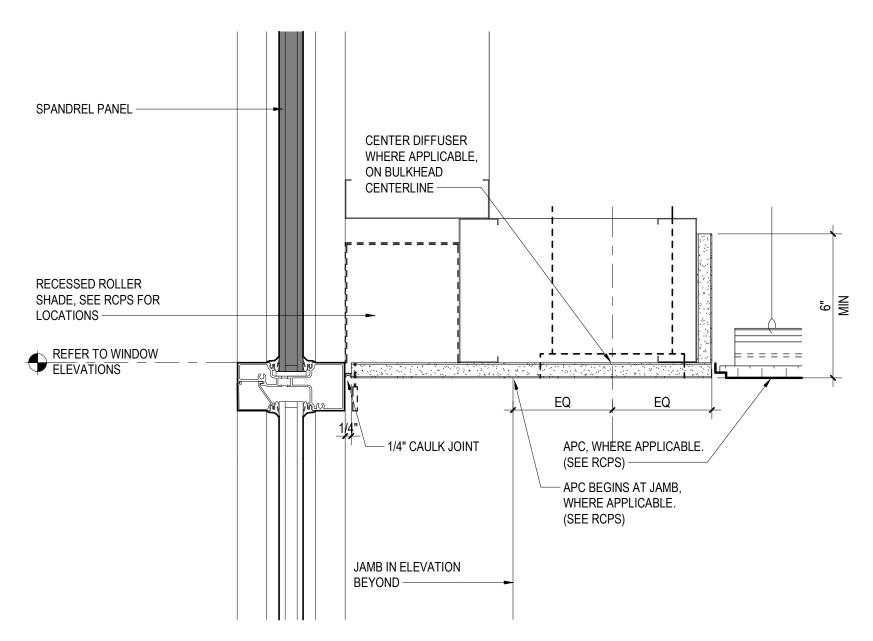


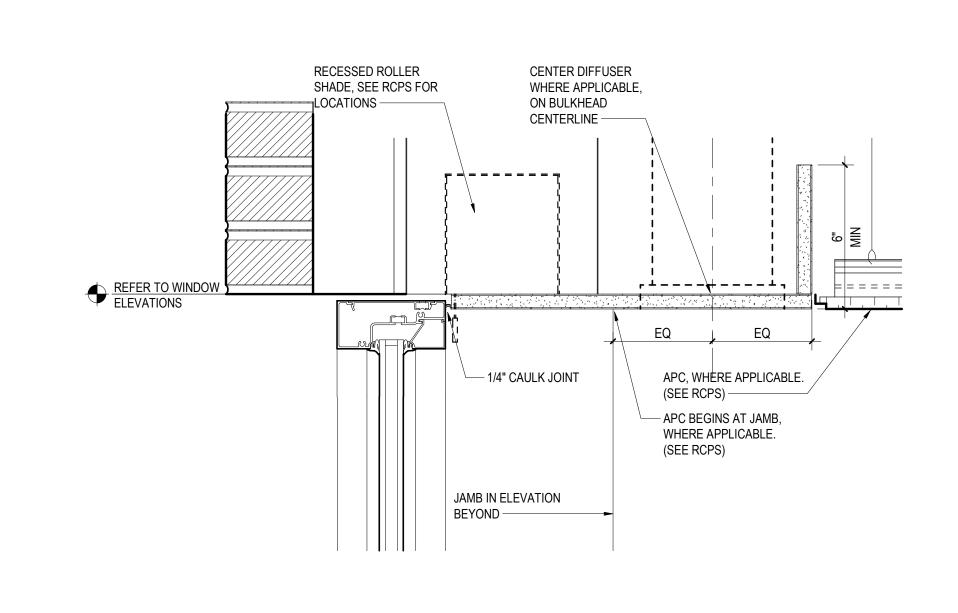


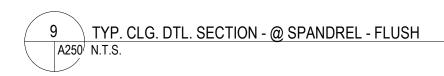


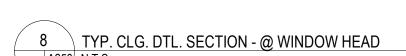
















### New City Library Addition & Renovation

220 North Main Street New City, NY 10956

Client Project Number
VMDO Project Number

Checked By
Checker
Drawn By
Author

DATE

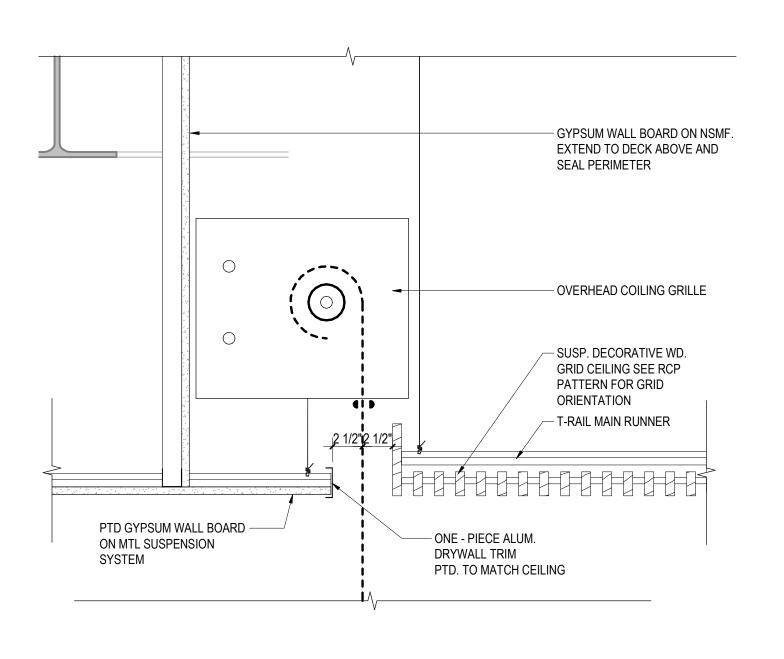
03.05.2021

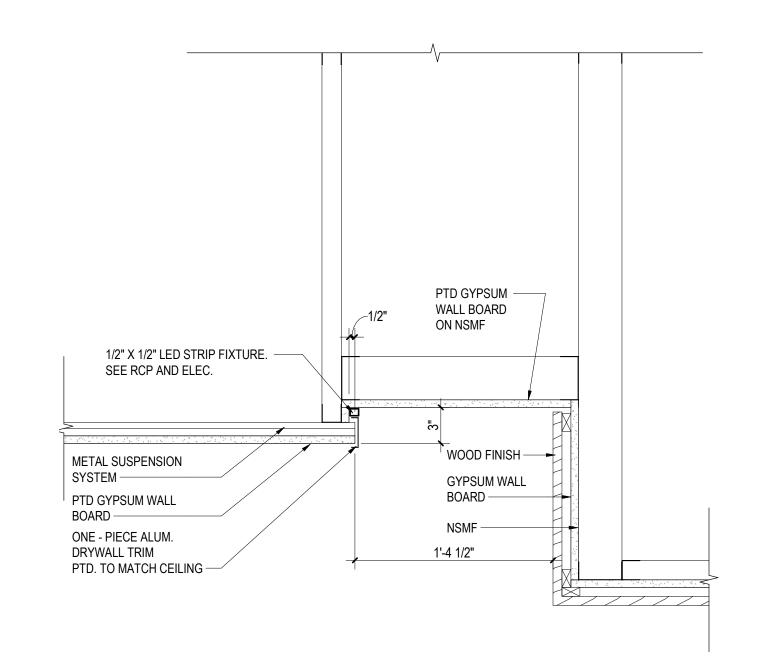
ISSUES AND REVISIONS

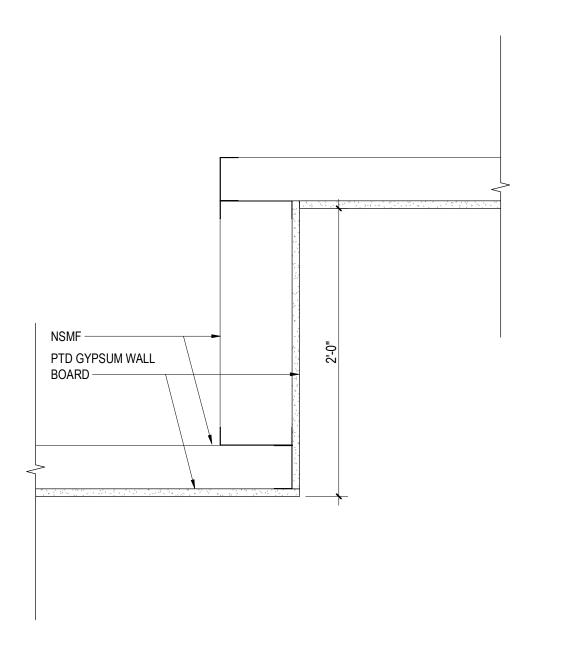
NO. SUBMITTAL
SCHEMATIC DESIGN

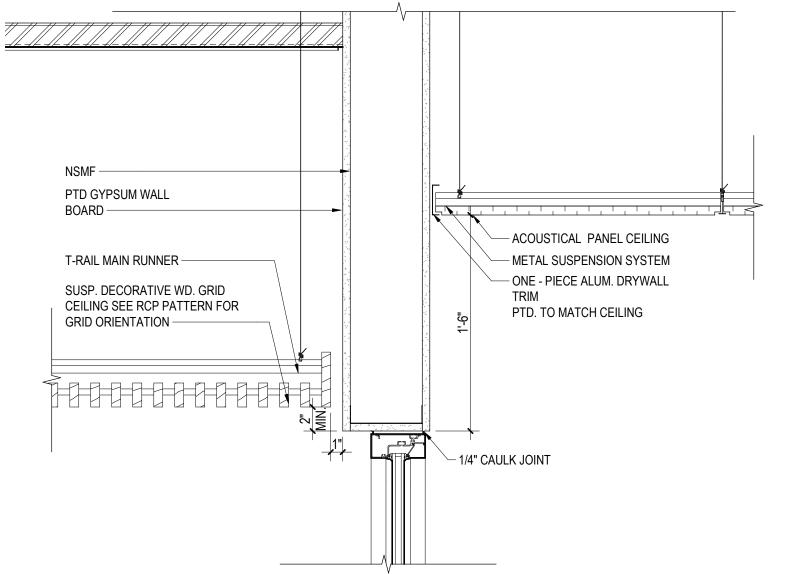
TYPICAL CEILING DETAILS

A250
DESIGN DEVELOPMENT
07.09.2021













#### New City Library Addition & Renovation

220 North Main Street New City, NY 10956

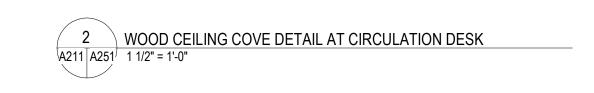
Client Project Number VMDO Project Number

Checked By

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PTD GYPSUM WALL

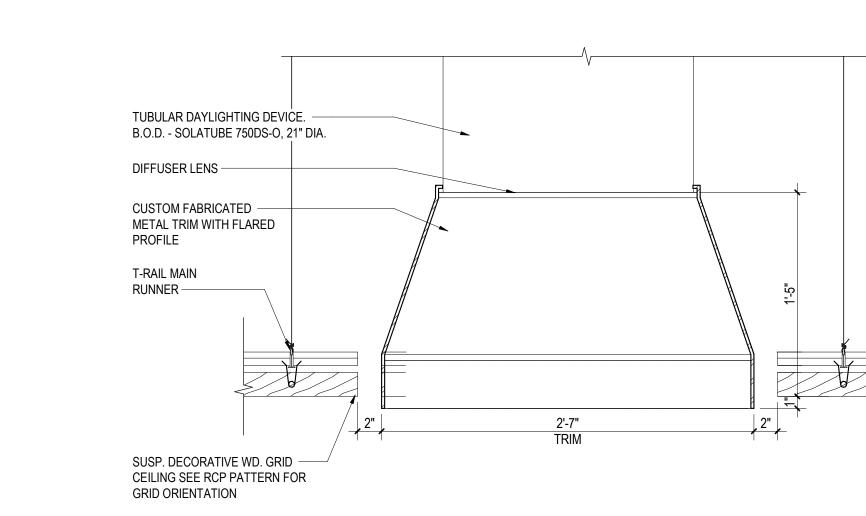
BOARD
PTD TO MATCH THE
CEILING

METAL SUSPENSION

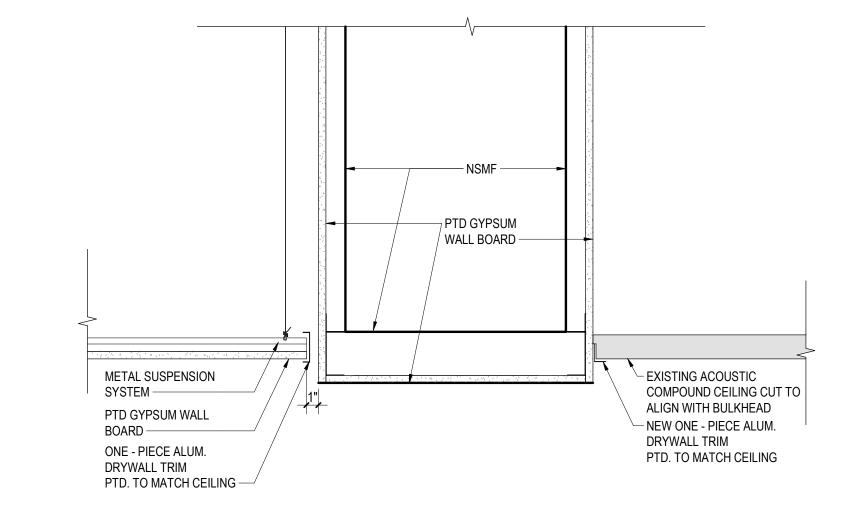
PTD GYPSUM WALL BOARD

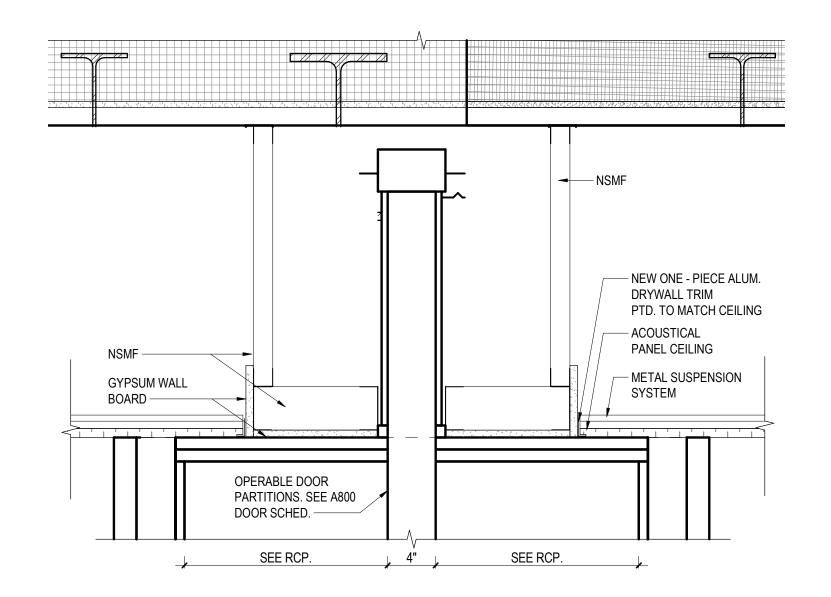
SYSTEM ---

7 CEILING DETAIL AT COVE AND STOREFRONT
A211 A251 1 1/2" = 1'-0"



3 DETAIL AT CEILING CLOUD EDGE
A211 A251 1 1/2" = 1'-0"







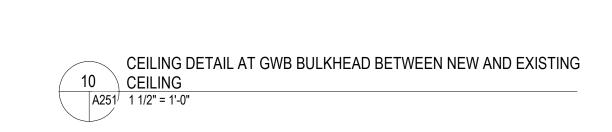
- NSMF

PTD GYPSUM WALL

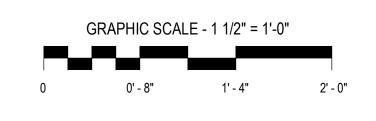
BOARD

`— 1/4" CAULK JOINT





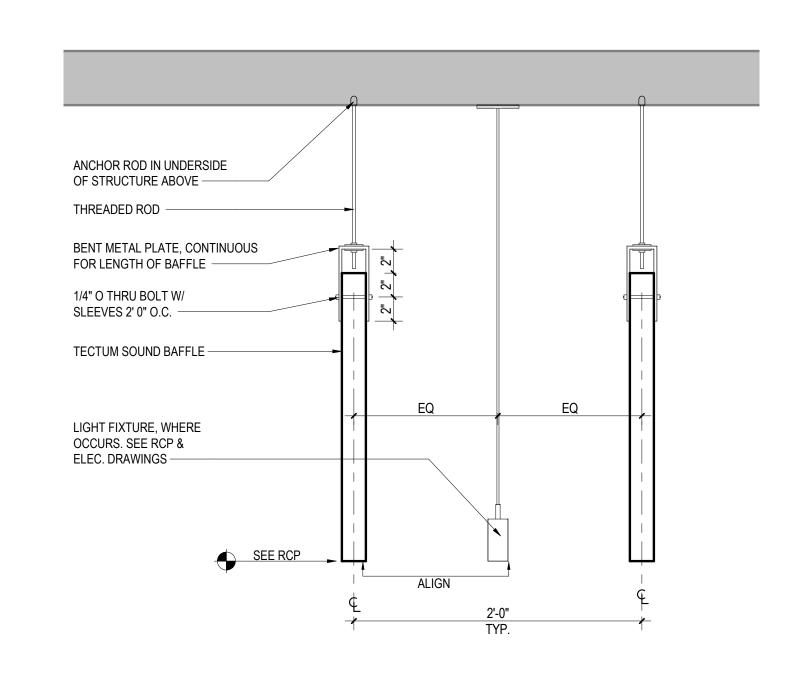
5 CEILING DETAIL AT STOREFRONT AND WOOD GRILLE CEILING
A211 A251 1 1/2" = 1'-0"



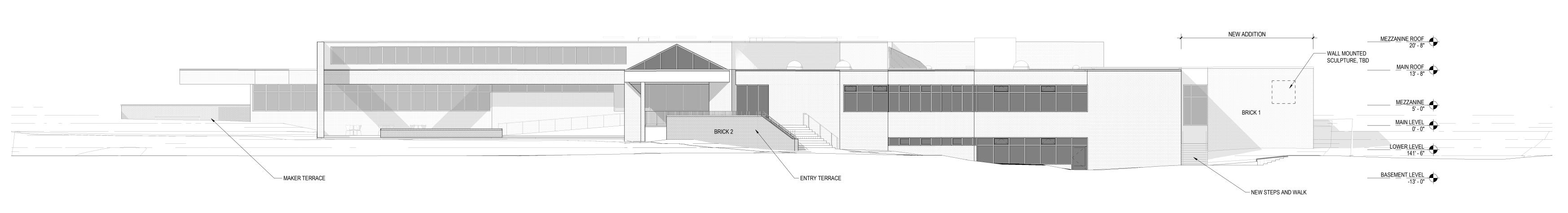
ISSUES AND REVISIONS NO. SUBMITTAL DATE SCHEMATIC DESIGN 03.05.2021

**CEILING DETAILS** 

A251 DESIGN DEVELOPMENT
07.09.2021



4 CEILING DETAIL AT FOLDING PARTITION
A211 A251 1 1/2" = 1'-0"





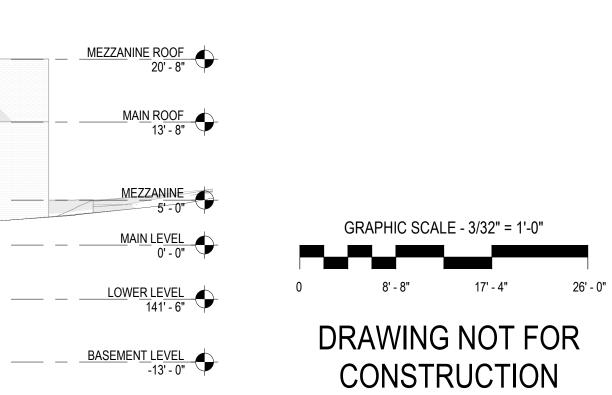


## New City Library Addition & Renovation

220 North Main Street New City, NY 10956

VMDO Project Number 1;

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Checker
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Author



ISSUES AND REVISIONS

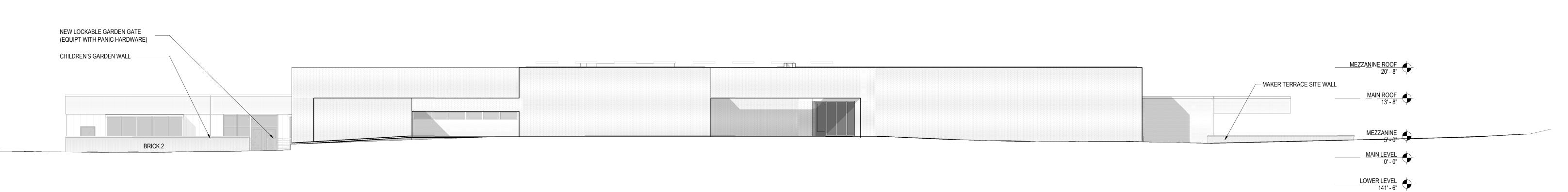
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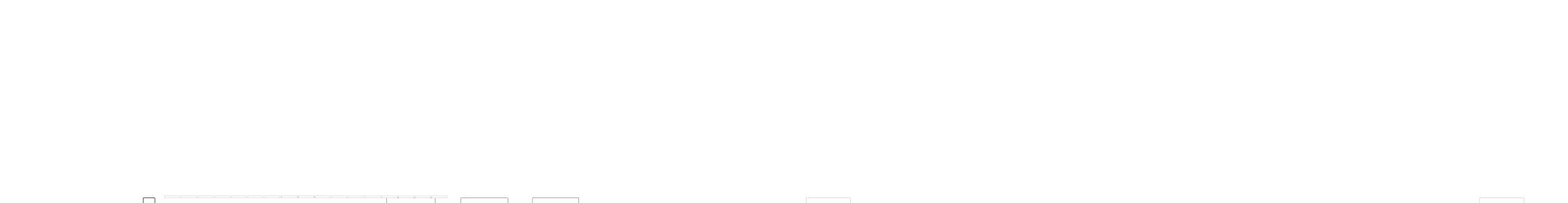
SCHEMATIC DESIGN

DATE 03.05.2021

KEY EXTERIOR ELEVATIONS







BRICK 2

ENTRY TERRACE

BRICK 1

ERALL EAST ELEVATION
2" = 1'-0"
A010

4 OVERALL WEST ELEVATION
A010 A301 3/32" = 1'-0"

BRICK 2

NEW CHILDREN'S MEETING ROOM ADDITION

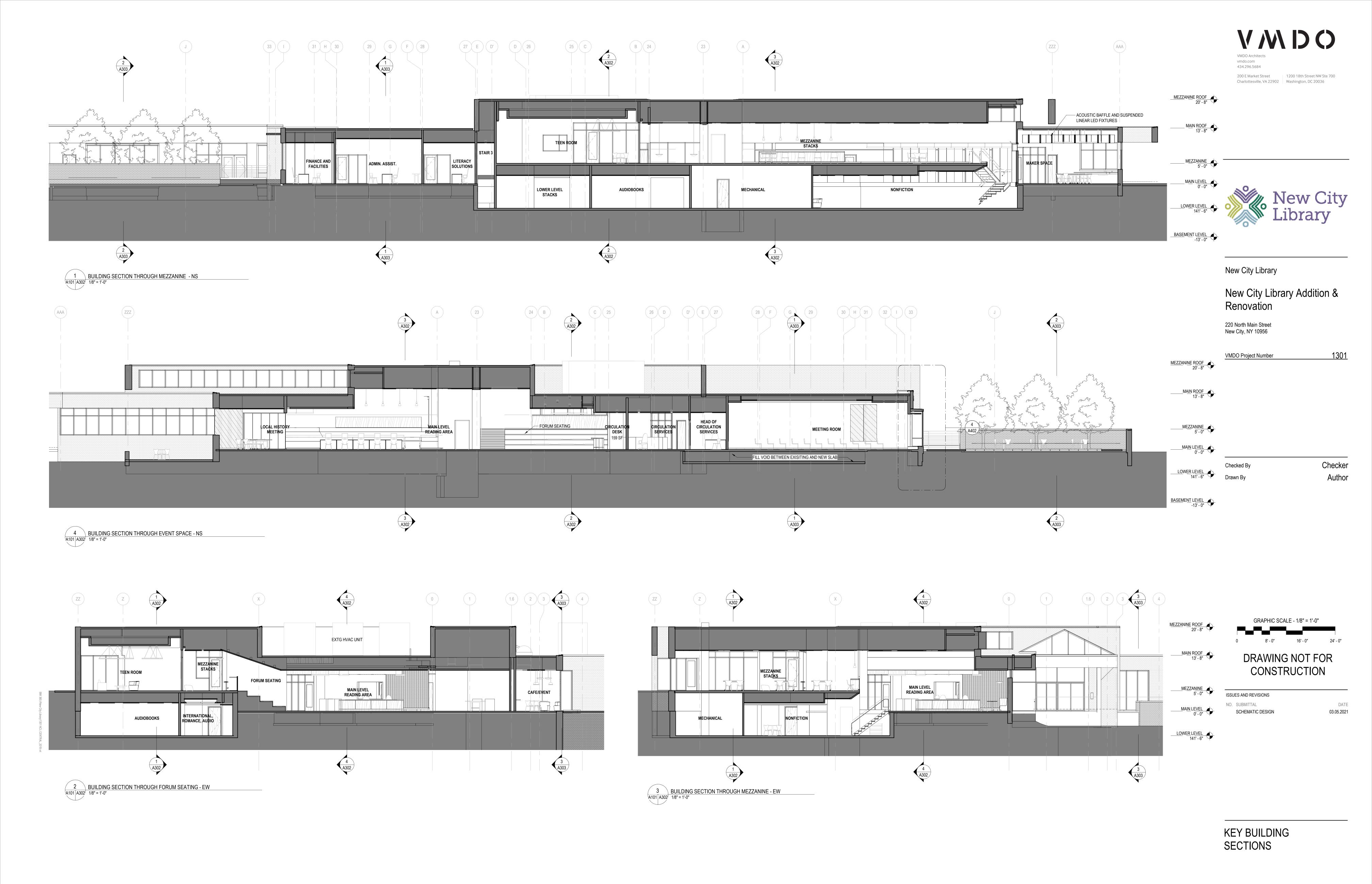
9/2021 1:07:32 PM

1 OVERALL SOUTH ELEVATION
A010 A301 3/32" = 1'-0"

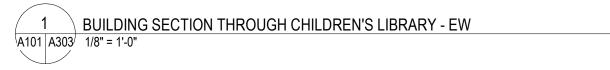
2 OVERALL NORTH ELEVATION
A010 A301 3/32" = 1'-0"

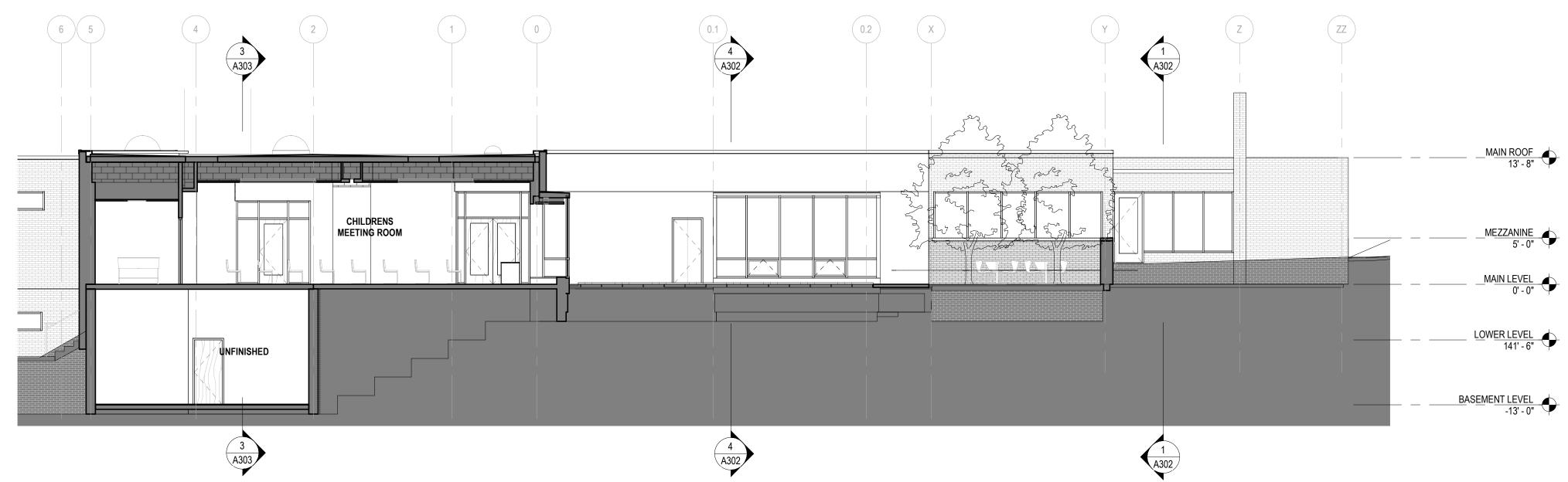
NEW DOOR

MAKER TERRACE

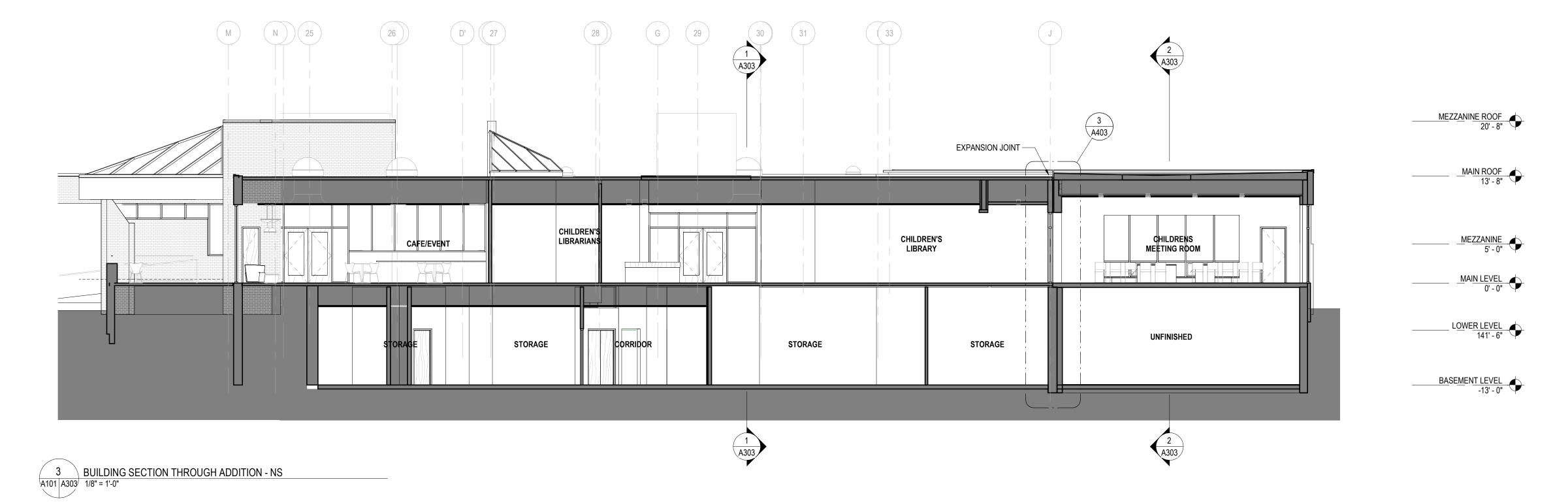








2
A101 A303 BUILDING SECTION THROUGH ADDITION - EW
1/8" = 1'-0"







### New City Library Addition & Renovation

220 North Main Street New City, NY 10956

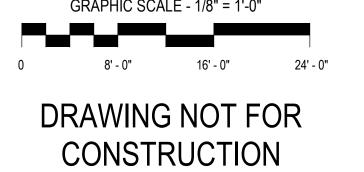
VMDO Project Number

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Author



03.05.2021

ISSUES AND REVISIONS

NO. SUBMITTAL
SCHEMATIC DESIGN

KEY BUILDING SECTIONS





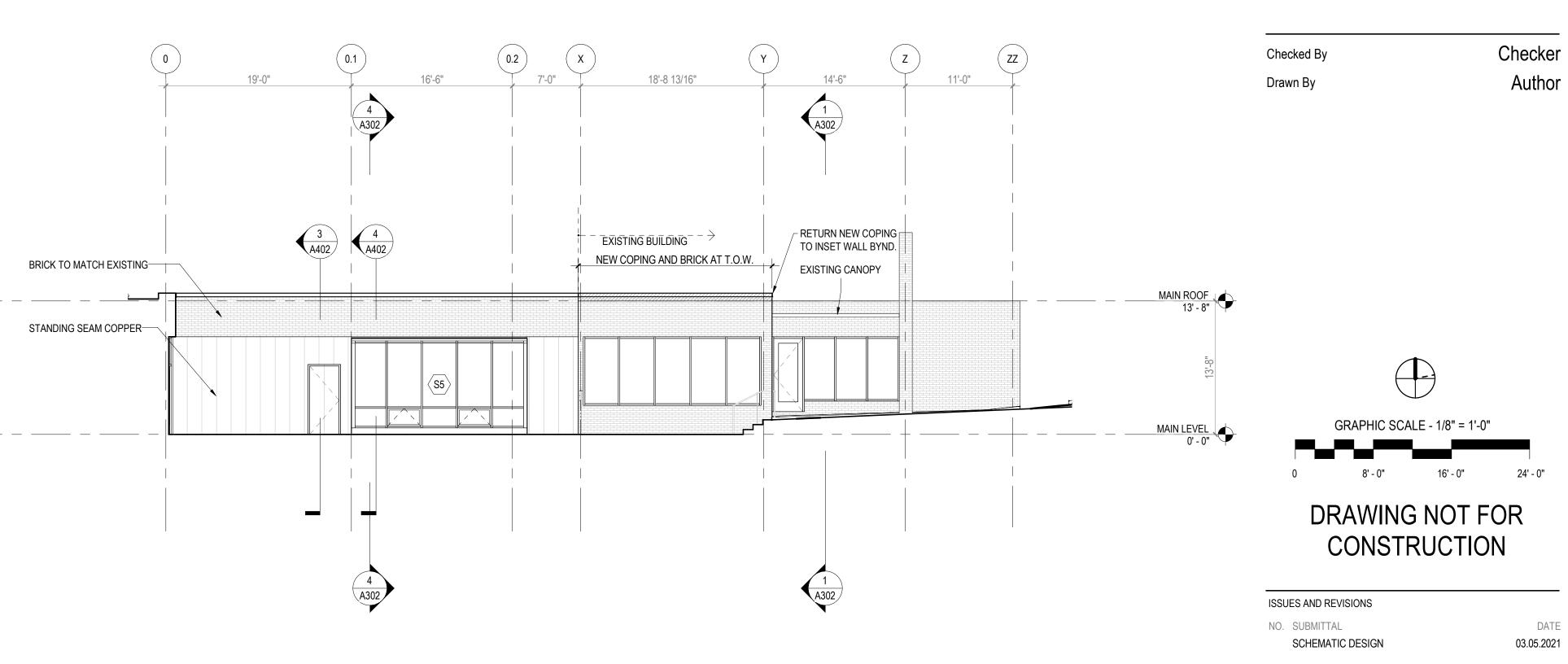


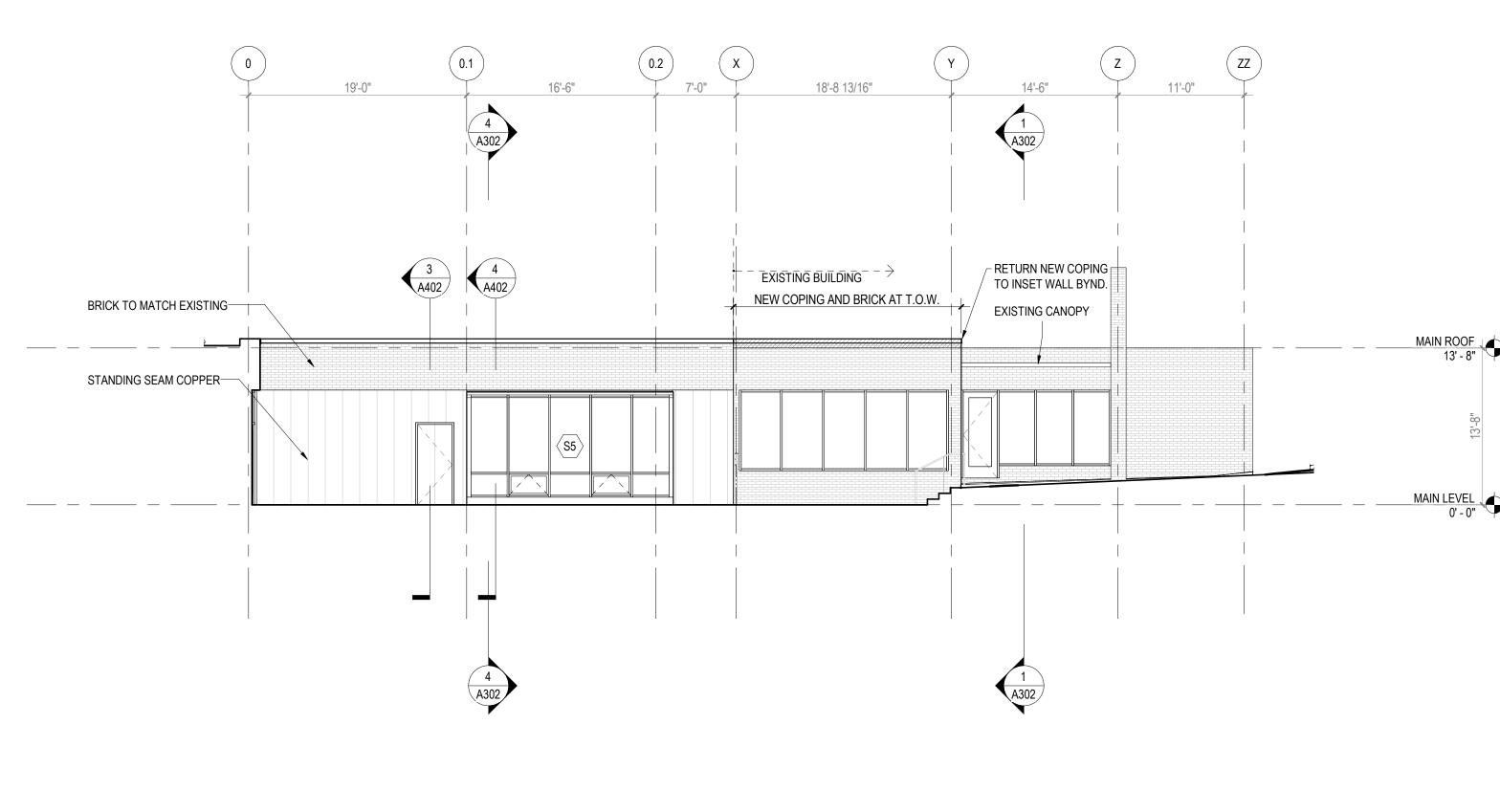
/ LOCKABLE GATE

New City Library Addition & Renovation

220 North Main Street New City, NY 10956

VMDO Project Number





STANDING SEAM COPPER— ROWLOCK BRICK COURSE-

| BRICK TO MATCH EXISTING-

METAL COMPOSITE MATERIAL WALL PANEL—
ALUMINUM-FRAMED STOREFRONT - DARK—

L'----

6 EAST ELEVATION AT ADDITION AND GARDEN
A021 A310 1/8" = 1'-0"

BRONZE FINISH

ALTERNATE BRICK BOND

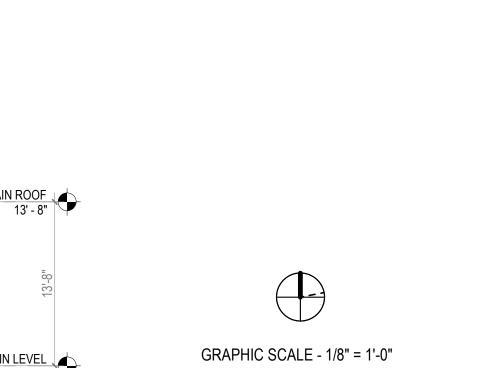
ADDITION EAST ELEVATION

A101 A310 1/8" = 1'-0"

SEE A310

 $\frac{2}{A401}$ 

 $\langle S3 \rangle$ 



8' - 0" 16' - 0" 24' - 0"

**KEYNOTES** 

\_\_ EXP. JOINT

EQ EQ EQ EQ

10 3/8" 6'-6"

1 ADDITION SOUTH ELEVATION
A101 A310 1/8" = 1'-0"

BRICK TO MATCH EXISTING-

BRONZE FINISH

STANDING SEAM COPPER-

ALUMINUM-FRAMED STOREFRONT - DARK-

5 NORTH ELEVATION AT ADDITION

A021 A310 1/8" = 1'-0"

EXISITING BUILDING

ALUMINUM-FRAMED STOREFRONT - DARK-

METAL COMPOSITE MATERIAL WALL PANEL-

33

EXISTING CANOPY -

BRONZE FINISH

EXISITING BRICK WALL

3 EAST ELEVATION AT ADDITION GAP
A101 A310 1/8" = 1'-0"

- WALL MOUNTED SCULPTURE

BRICK TO MATCH EXISTING

#### **ELEVATION / BUILDING** SECTION GENERAL NOTES

MAIN ROOF 13' - 8"

1. ON SYMMETRICAL DRAWINGS, ALL NOTES AND DIMENSIONS SHOWN ON ONE-HALF OF DRAWING SHALL APPLY TO BOTH HALVES OF DRAWINGS. 2. PROVIDE HIGH PERFORMANCE COATINGS AT ALL EXTERIOR FERROUS

4 NORTH ELEVATION AT GARDEN WALL
A021 A310 1/8" = 1'-0"

- 3. INTERIOR VIEWS IN BUILDING SECTIONS ARE TYPICALLY SIMPLIFIED FOR CLARITY. REFER TO LARGER SCALED INTERIOR ELEVATIONS FOR
- ADDITIONAL INFORMATION. 4. FOOTINGS AND FOUNDATIONS ARE SHOWN FOR ILLUSTRATION ONLY. REFER TO STRUCTURAL DRAWINGS FOR EXTENT OF WORK. 5. ALL DOWNSPOUTS ARE TO BE 6" TYPICAL, U.N.O.
- 6. REFERENCE MEP & CIVIL DRAWINGS FOR FULL SCOPE OF M.E.P. AND CIVIL WORK.

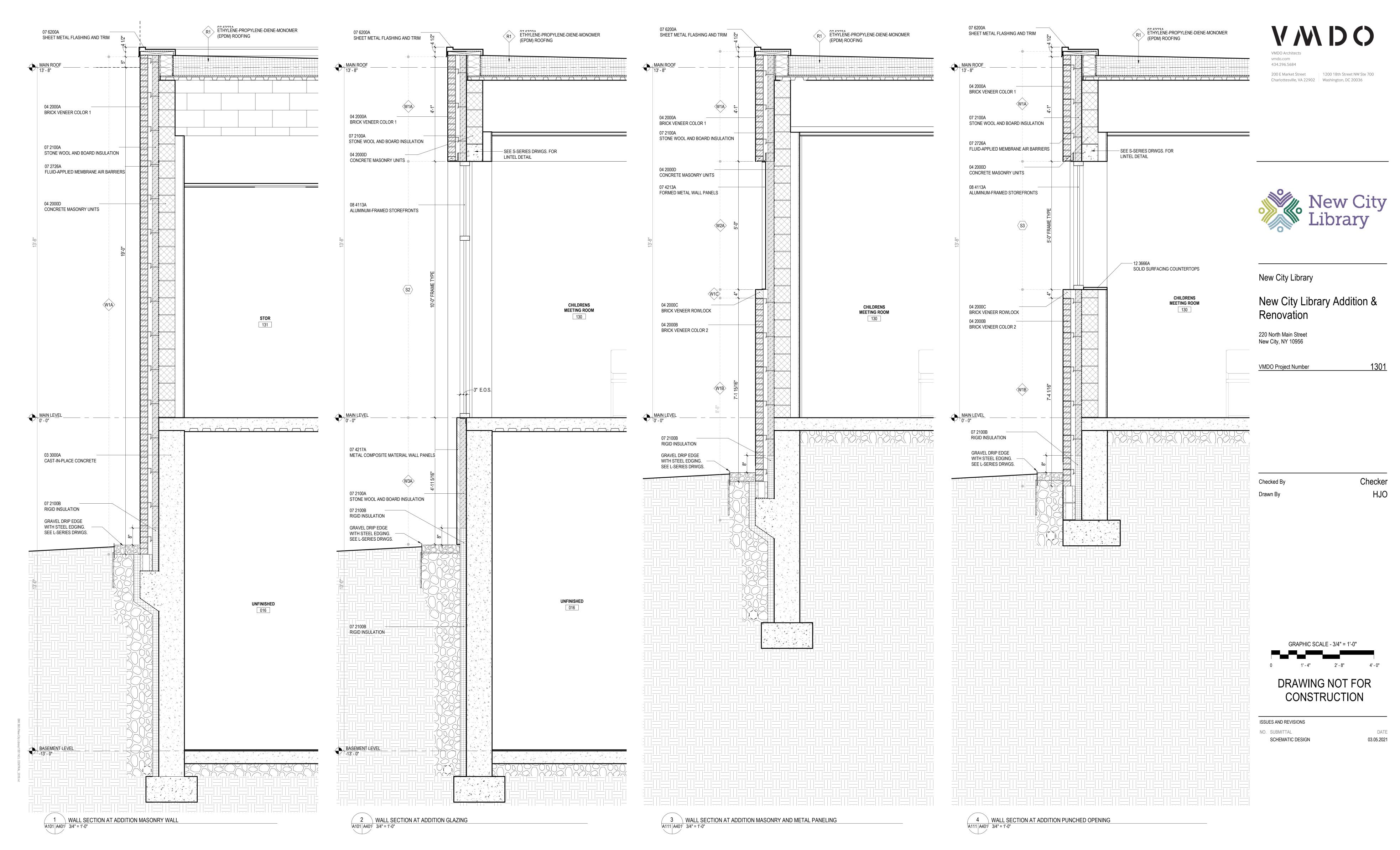
METALS (STRUCTURAL AND DECORATIVE).

DESIGN DEVELOPMENT
07.09.2021

**EXTERIOR ELEVATIONS -**

**ADDITION** 

7. PROVIDE CAST IRON BOOTS AT ALL DOWNSPOUTS AT GRADE, U.N.O.



#### WALL SECTION GENERAL NOTES

- SEE STRUCTURAL DRAWINGS FOR LOCATION, SIZE, REINFORCING AND DETAILS OF FOOTINGS, FOUNDATIONS AND STRUCTURAL FRAMING.
   MASONRY UNITS ARE SIZED NOMINALLY. CONCRETE MASONRY ON ARCHITECTURAL PLANS AND SECTIONS IS SHOWN DIAGRAMMATICALLY. SEE STRUCTURAL DRAWINGS FOR CMU BOND BEAMS, REINFORCING, AND
- GROUTING REQUIREMENTS.

  3. WHERE WATERPROOFING SYSTEMS ARE NOT CALLED FOR, PROVIDE DAMPPROOFING SYSTEM AT ALL
- MASONRY AND CONCRETE WALLS IN CONTACT WITH EARTH OR OTHER FILL.
- PROVIDE CONTINUOUS AIR BARRIER SYSTEM FROM FOUNDATION TO ROOF.
   REFER TO FIRE PROTECTION PLANS FOR FULL EXTENT OF RATED CONSTRUCTION.
- 6. AT SUSPENDED CEILING SYSTEMS, HANGER WIRE IS TYPICALLY OMITTED FOR CLARITY.
  7. PROVIDE HIGH PERFORMANCE COATINGS AT ALL EXTERIOR FERROUS METALS (STRUCTURAL AND DECORATIVE).
- COLD FORMED METAL FRAMING KICKERS MAY NOT BE SHOWN IN ALL WALL SECTIONS. PROVIDE KICKERS AND BRACING AS REQ'D.
   WHERE METAL FRAMING REQUIRES SUPPORT AT COLUMNS & BEAMS, PROVIDE METAL STAND-OFFS PRIOR TO
- 10. ALL STEEL FRAMING REQUIRED TO BE RATED IS TO RECEIVE SPRAY APPLIED FIRE PROOFING, U.N.O. SEE FIRE PROTECTION PLANS FOR FULL EXTENT OF RATED CONSTRUCTION.
- 11. PROVIDE 12" HIGH CAVITY DRAINAGE MATERIAL AT ALL CAVITY WALL THROUGH WALL FLASHING, FULL DEPTH OF CAVITY.
- 12. PROVIDE COLD FORMED METAL FRAMING AND ½" SHEATHING WHERE CMU BACKUP IS INTERRUPTED BY STEEL BEAMS, COLUMNS, AND BRACING, U.N.O.
  13. SEE INTERIOR ELEVATIONS & FINISH SCHEDULE FOR INTERIOR FINISHES.

APPLYING FIREPROOFING.

#### KEYNOTES

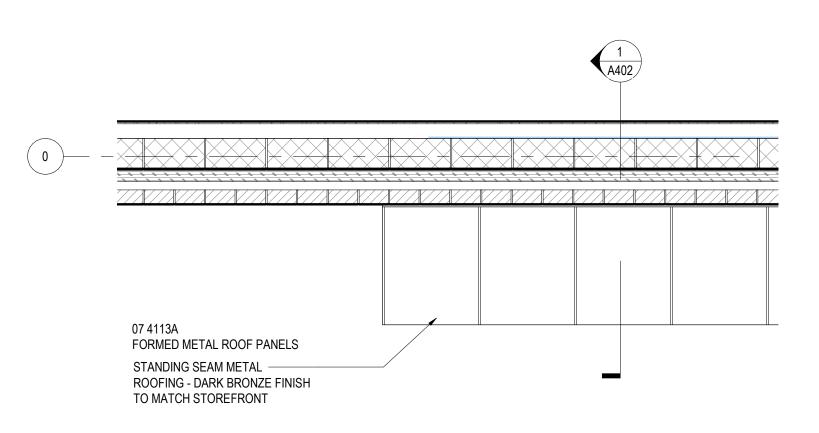
03 3000A CAST-IN-PLACE CONCRETE 04 2000A BRICK VENEER COLOR 1 BRICK VENEER COLOR 2 04 2000B 04 2000C BRICK VENEER ROWLOCK 04 2000D CONCRETE MASONRY UNITS 07 2100A STONE WOOL AND BOARD INSULATION 07 2100B RIGID INSULATION FLUID-APPLIED MEMBRANE AIR BARRIERS 07 2726A 07 4213A FORMED METAL WALL PANELS 07 4217A METAL COMPOSITE MATERIAL WALL PANELS 07 5323A ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING 07 6200A SHEET METAL FLASHING AND TRIM 08 4113A ALUMINUM-FRAMED STOREFRONTS

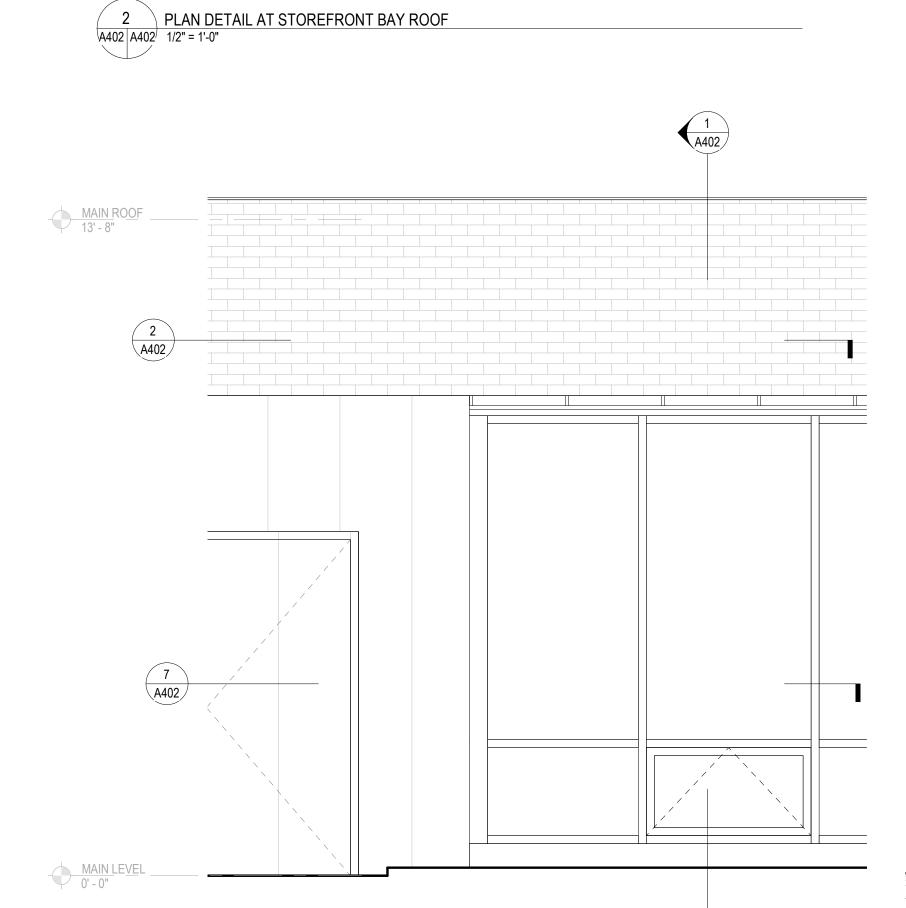
SOLID SURFACING COUNTERTOPS

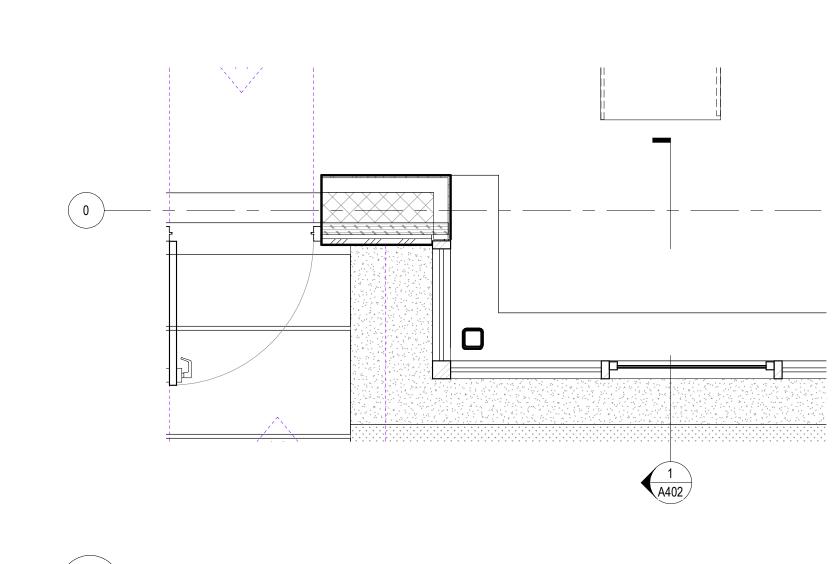
12 3666A

WALL SECTIONS











5 ELEVATION DETAIL AT STOREFRONT BAY
A021 A402 1/2" = 1'-0"

#### WALL SECTION GENERAL NOTES

- 1. SEE STRUCTURAL DRAWINGS FOR LOCATION, SIZE, REINFORCING AND DETAILS OF FOOTINGS, FOUNDATIONS AND STRUCTURAL FRAMING. 2. MASONRY UNITS ARE SIZED NOMINALLY. CONCRETE MASONRY ON ARCHITECTURAL PLANS AND SECTIONS IS SHOWN DIAGRAMMATICALLY. SEE STRUCTURAL DRAWINGS FOR CMU BOND BEAMS, REINFORCING, AND
- GROUTING REQUIREMENTS. 3. WHERE WATERPROOFING SYSTEMS ARE NOT CALLED FOR, PROVIDE DAMPPROOFING SYSTEM AT ALL

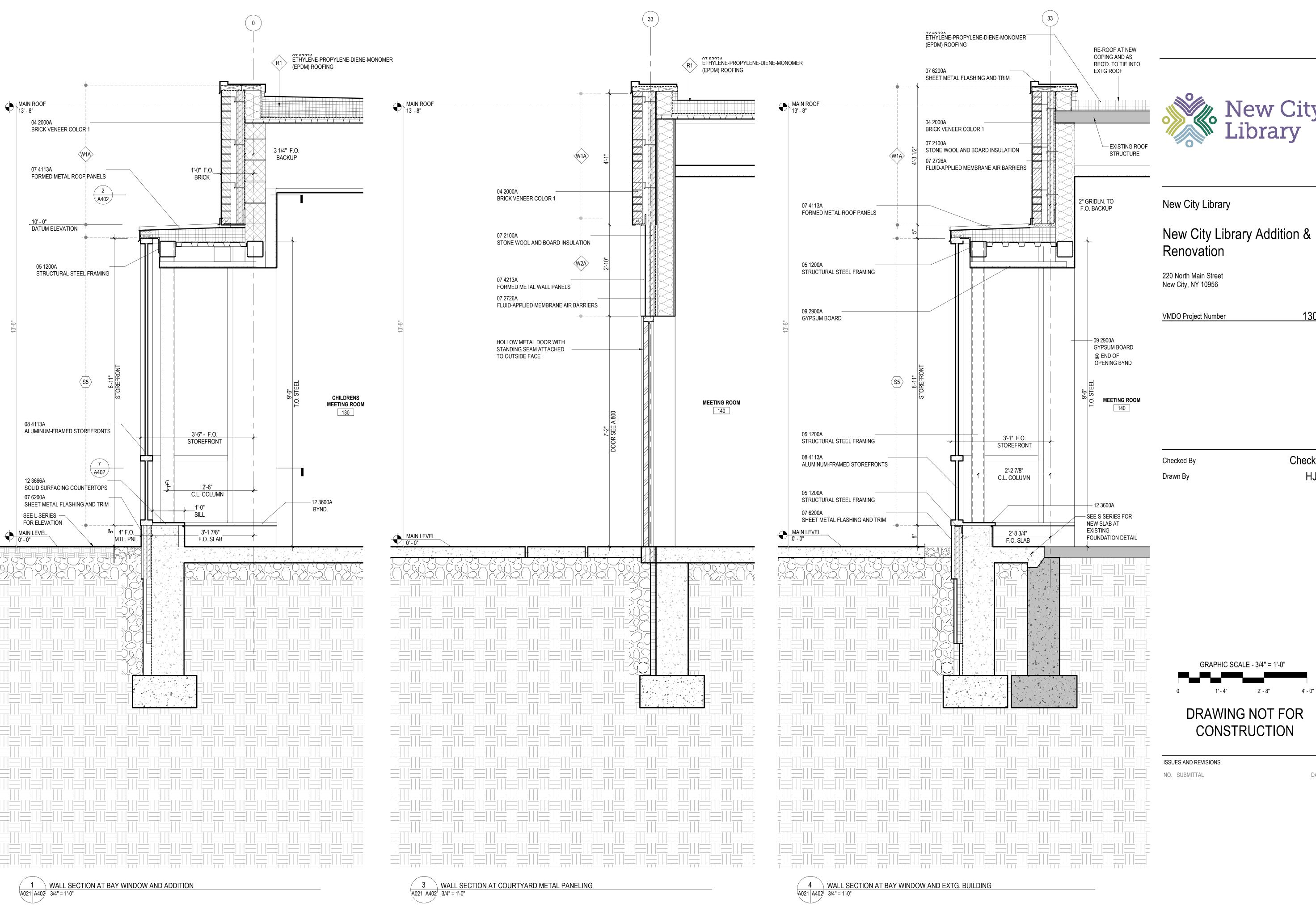
7. PROVIDE HIGH PERFORMANCE COATINGS AT ALL EXTERIOR FERROUS METALS (STRUCTURAL AND

- MASONRY AND CONCRETE WALLS IN CONTACT WITH EARTH OR OTHER FILL.
- 4. PROVIDE CONTINUOUS AIR BARRIER SYSTEM FROM FOUNDATION TO ROOF.
- 5. REFER TO FIRE PROTECTION PLANS FOR FULL EXTENT OF RATED CONSTRUCTION. 6. AT SUSPENDED CEILING SYSTEMS, HANGER WIRE IS TYPICALLY OMITTED FOR CLARITY.
- DECORATIVE). 8. COLD FORMED METAL FRAMING KICKERS MAY NOT BE SHOWN IN ALL WALL SECTIONS. PROVIDE KICKERS AND BRACING AS REQ'D. 9. WHERE METAL FRAMING REQUIRES SUPPORT AT COLUMNS & BEAMS, PROVIDE METAL STAND-OFFS PRIOR TO
- APPLYING FIREPROOFING. 10. ALL STEEL FRAMING REQUIRED TO BE RATED IS TO RECEIVE SPRAY APPLIED FIRE PROOFING, U.N.O. SEE FIRE PROTECTION PLANS FOR FULL EXTENT OF RATED CONSTRUCTION. 11. PROVIDE 12" HIGH CAVITY DRAINAGE MATERIAL AT ALL CAVITY WALL THROUGH WALL FLASHING, FULL DEPTH OF
- 12. PROVIDE COLD FORMED METAL FRAMING AND 1/2" SHEATHING WHERE CMU BACKUP IS INTERRUPTED BY STEEL BEAMS, COLUMNS, AND BRACING, U.N.O. 13. SEE INTERIOR ELEVATIONS & FINISH SCHEDULE FOR INTERIOR FINISHES.



Checker

HJO



#### KEYNOTES

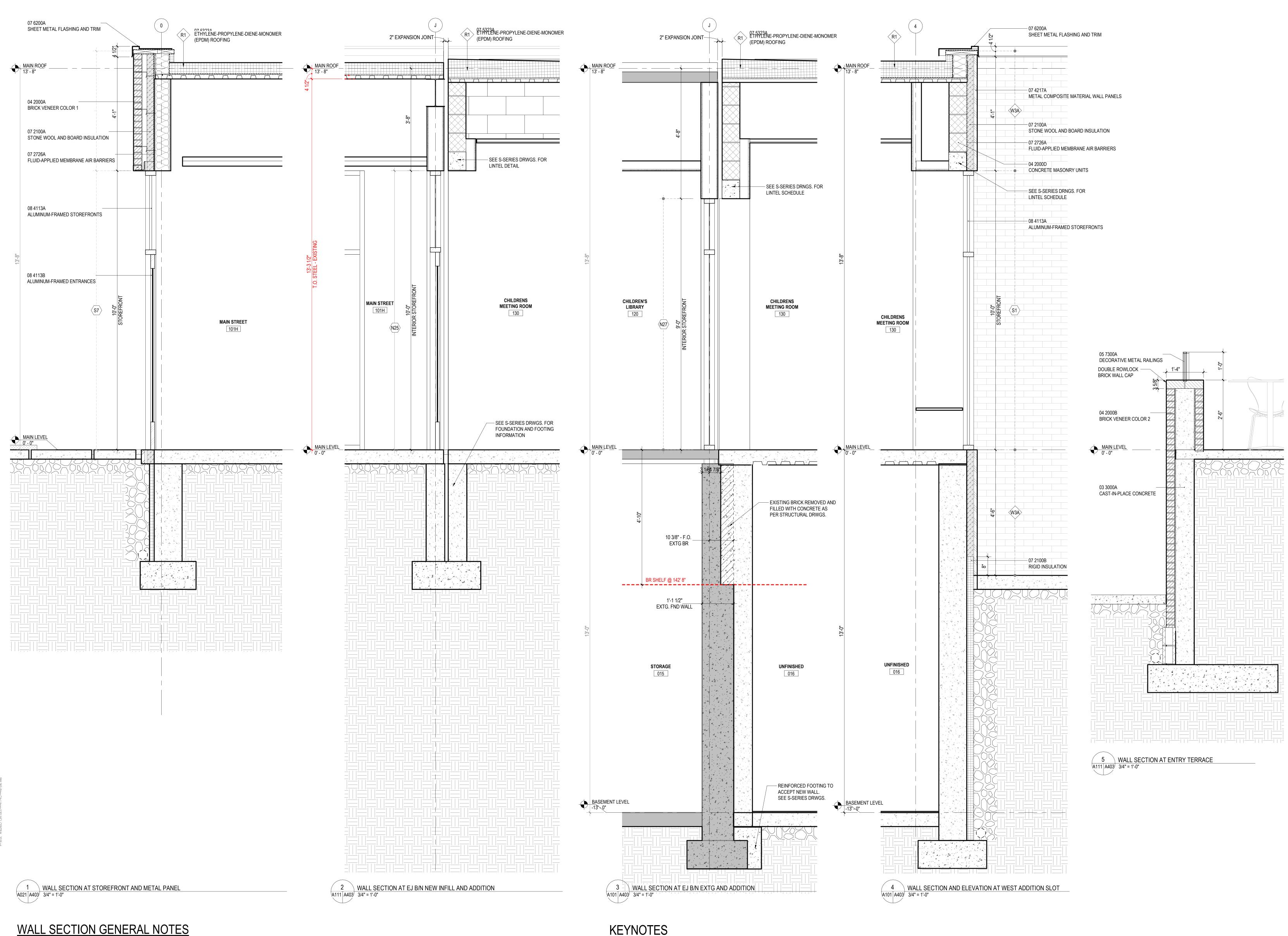
04 2000A BRICK VENEER COLOR 1 STRUCTURAL STEEL FRAMING 05 1200A STONE WOOL AND BOARD INSULATION 07 2100A FLUID-APPLIED MEMBRANE AIR BARRIERS FORMED METAL ROOF PANELS 07 4113A 07 4213A FORMED METAL WALL PANELS ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING 07 6200A SHEET METAL FLASHING AND TRIM 08 4113A ALUMINUM-FRAMED STOREFRONTS 09 2900A GYPSUM BOARD 12 3600A 12 3666A SOLID SURFACING COUNTERTOPS

WALL SECTIONS



DRAWING NOT FOR

CONSTRUCTION



VWDO 434.296.5684



New City Library

#### New City Library Addition & Renovation

220 North Main Street New City, NY 10956

VMDO Project Number

Drawn By

Checker Checked By



DRAWING NOT FOR CONSTRUCTION

ISSUES AND REVISIONS NO. SUBMITTAL

WALL SECTIONS

DESIGN DEVELOPMENT
07.09.2021

#### **KEYNOTES**

03 3000A CAST-IN-PLACE CONCRETE 04 2000A BRICK VENEER COLOR 1 04 2000B BRICK VENEER COLOR 2 04 2000D CONCRETE MASONRY UNITS 05 7300A DECORATIVE METAL RAILINGS 07 2100A STONE WOOL AND BOARD INSULATION 07 2100B RIGID INSULATION FLUID-APPLIED MEMBRANE AIR BARRIERS 07 2726A 07 4217A METAL COMPOSITE MATERIAL WALL PANELS 07 5323A ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING 07 6200A SHEET METAL FLASHING AND TRIM ALUMINUM-FRAMED STOREFRONTS

ALUMINUM-FRAMED ENTRANCES

08 4113B

AND STRUCTURAL FRAMING.

GROUTING REQUIREMENTS.

DECORATIVE).

BRACING AS REQ'D.

APPLYING FIREPROOFING.

BEAMS, COLUMNS, AND BRACING, U.N.O.

1. SEE STRUCTURAL DRAWINGS FOR LOCATION, SIZE, REINFORCING AND DETAILS OF FOOTINGS, FOUNDATIONS

2. MASONRY UNITS ARE SIZED NOMINALLY. CONCRETE MASONRY ON ARCHITECTURAL PLANS AND SECTIONS IS

3. WHERE WATERPROOFING SYSTEMS ARE NOT CALLED FOR, PROVIDE DAMPPROOFING SYSTEM AT ALL

7. PROVIDE HIGH PERFORMANCE COATINGS AT ALL EXTERIOR FERROUS METALS (STRUCTURAL AND

MASONRY AND CONCRETE WALLS IN CONTACT WITH EARTH OR OTHER FILL. 4. PROVIDE CONTINUOUS AIR BARRIER SYSTEM FROM FOUNDATION TO ROOF.

PROTECTION PLANS FOR FULL EXTENT OF RATED CONSTRUCTION.

13. SEE INTERIOR ELEVATIONS & FINISH SCHEDULE FOR INTERIOR FINISHES.

5. REFER TO FIRE PROTECTION PLANS FOR FULL EXTENT OF RATED CONSTRUCTION.

6. AT SUSPENDED CEILING SYSTEMS, HANGER WIRE IS TYPICALLY OMITTED FOR CLARITY.

SHOWN DIAGRAMMATICALLY. SEE STRUCTURAL DRAWINGS FOR CMU BOND BEAMS, REINFORCING, AND

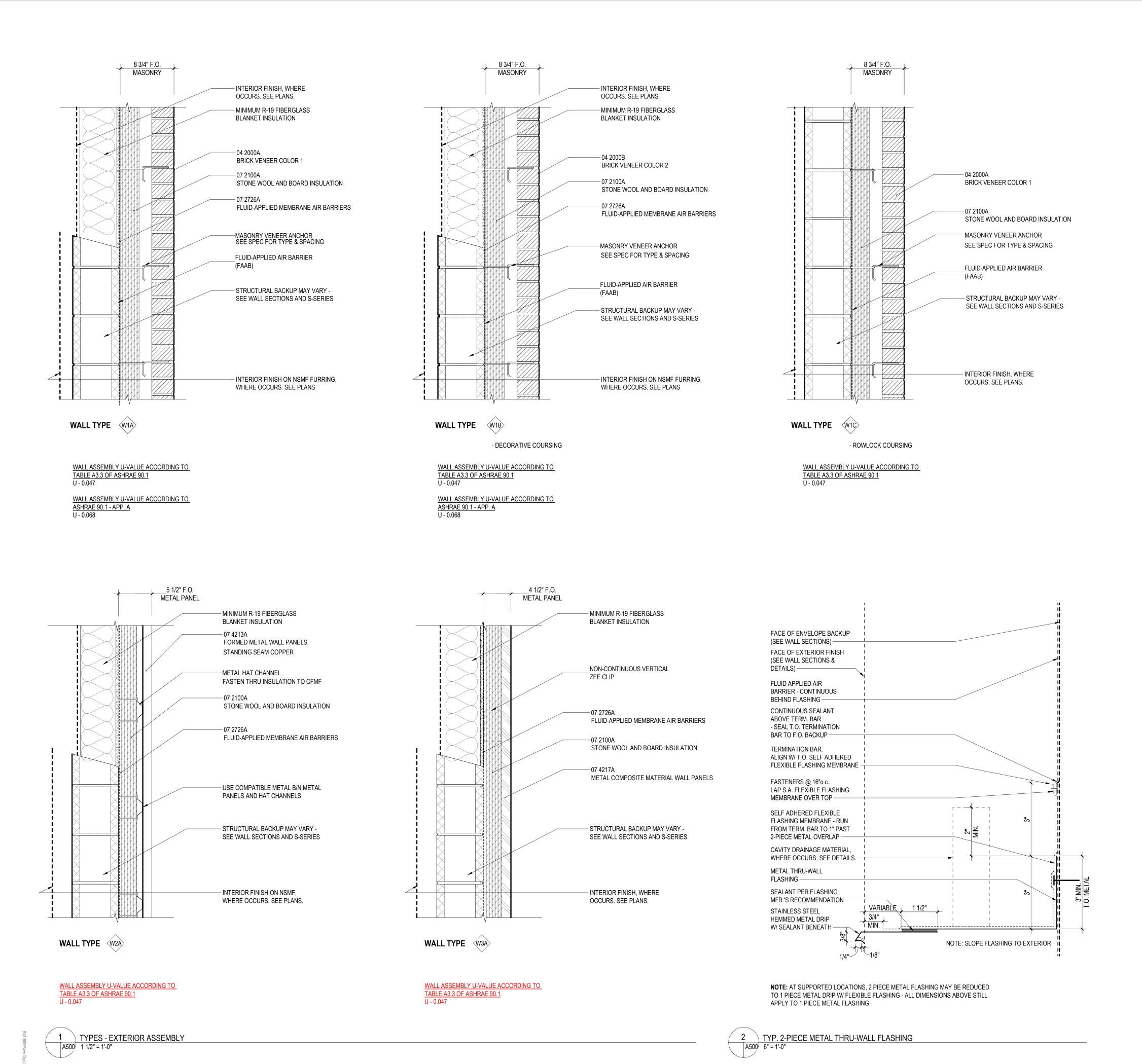
8. COLD FORMED METAL FRAMING KICKERS MAY NOT BE SHOWN IN ALL WALL SECTIONS. PROVIDE KICKERS AND

9. WHERE METAL FRAMING REQUIRES SUPPORT AT COLUMNS & BEAMS, PROVIDE METAL STAND-OFFS PRIOR TO

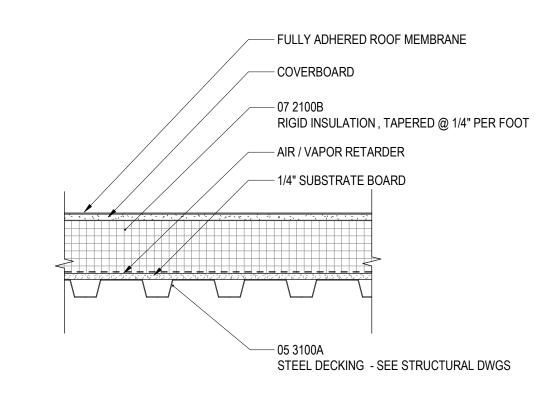
10. ALL STEEL FRAMING REQUIRED TO BE RATED IS TO RECEIVE SPRAY APPLIED FIRE PROOFING, U.N.O. SEE FIRE

11. PROVIDE 12" HIGH CAVITY DRAINAGE MATERIAL AT ALL CAVITY WALL THROUGH WALL FLASHING, FULL DEPTH OF

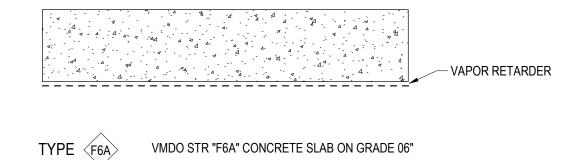
12. PROVIDE COLD FORMED METAL FRAMING AND ½" SHEATHING WHERE CMU BACKUP IS INTERRUPTED BY STEEL



#### **ROOF TYPES:**



#### FLOOR TYPES:



### EXTERIOR WALL TYPES GENERAL NOTES

- SEE STRUCTURAL DRAWINGS FOR LOCATION, SIZE, REINFORCING AND DETAILS OF FOOTINGS, FOUNDATIONS AND STRUCTURAL FRAMING.
- 2. MASONRY UNITS ARE SIZED NOMINALLY. CONCRETE MASONRY ON ARCHITECTURAL PLANS AND SECTIONS IS SHOWN DIAGRAMMATICALLY. SEE STRUCTURAL DRAWINGS FOR CMU BOND BEAMS, REINFORCING, AND
- STRUCTURAL DRAWINGS FOR CMU BOND BEAMS, REINFORCING, AND GROUTING REQUIREMENTS.

  3. REFER TO FIRE PROTECTION PLANS FOR FULL EXTENT OF RATED
- CONSTRUCTION.

  4. WHERE METAL FRAMING REQUIRES SUPPORT AT COLUMNS & BEAMS,
  PROVIDE METAL STAND-OFFS PRIOR TO APPLYING FIREPROOFING.

  5. ALL STEEL EDAMING PEOLIPPED TO BE PATED IS TO DECEIVE SPRAY APPLY.
- 5. ALL STEEL FRAMING REQUIRED TO BE RATED IS TO RECEIVE SPRAY APPLIED FIRE PROOFING, U.N.O. SEE FIRE PROTECTION PLANS FOR FULL EXTENT OF RATED CONSTRUCTION.
- 6. SEE INTERIOR ELEVATIONS & FINISH SCHEDULE FOR INTERIOR FINISHES.





New City Library

New City Library Addition & Renovation

220 North Main Street New City, NY 10956

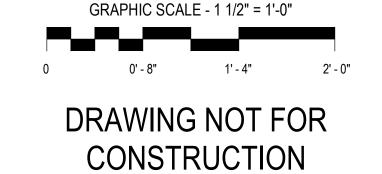
VMDO Project Number

Checked By

Drawn By

Checker

Author



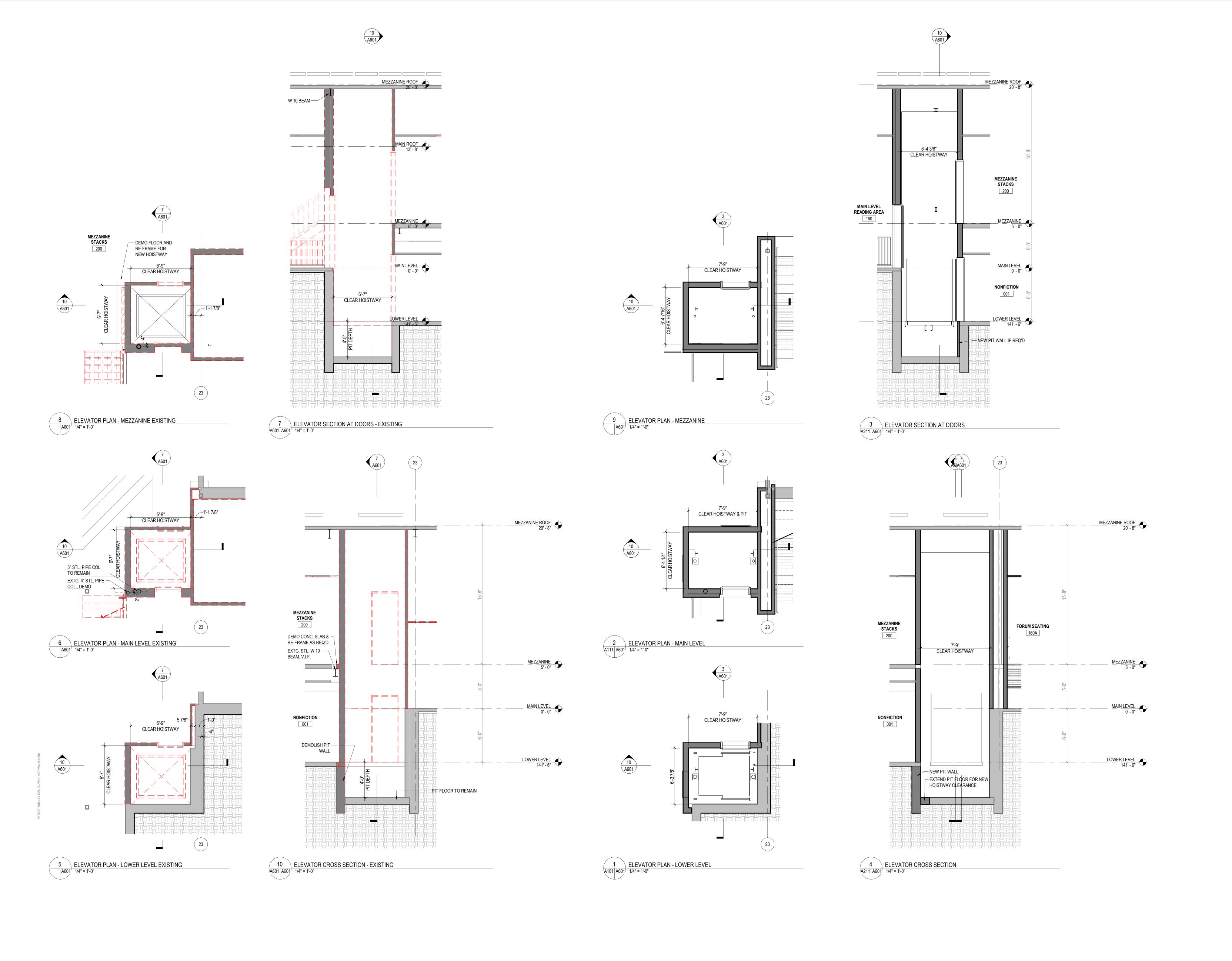
ISSUES AND REVISIONS

NO. SUBMITTAL
SCHEMATIC DESIGN

DATE 03.05.2021

EXTERIOR ASSEMBLY TYPES









### New City Library Addition & Renovation

220 North Main Street New City, NY 10956

Client Project Number

VMDO Project Number

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Author

03.05.2021

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

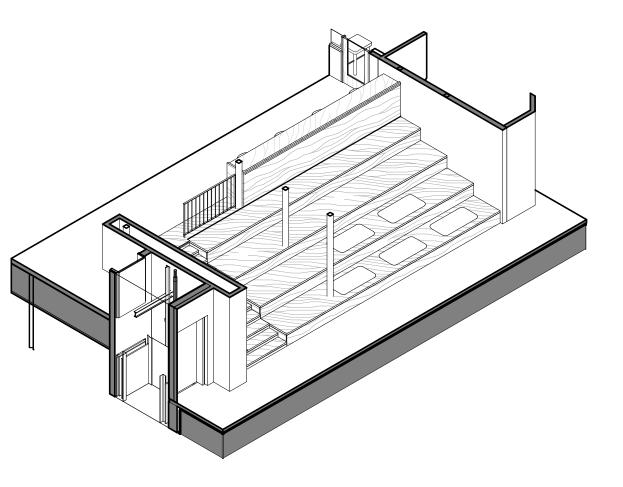
0 4'-0" 8'-0" 12'-0"

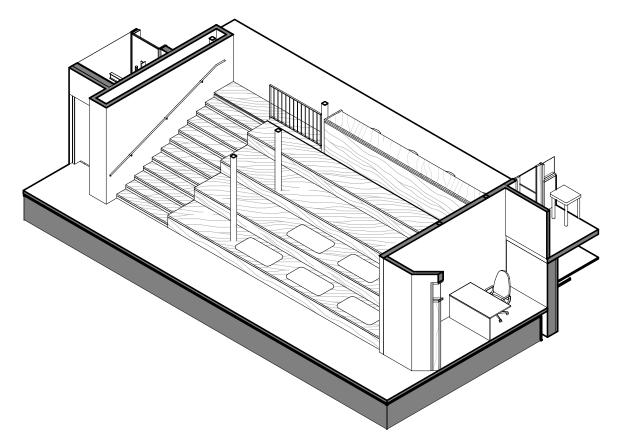
ISSUES AND REVISIONS
NO. SUBMITTAL

SUBMITTAL
SCHEMATIC DESIGN

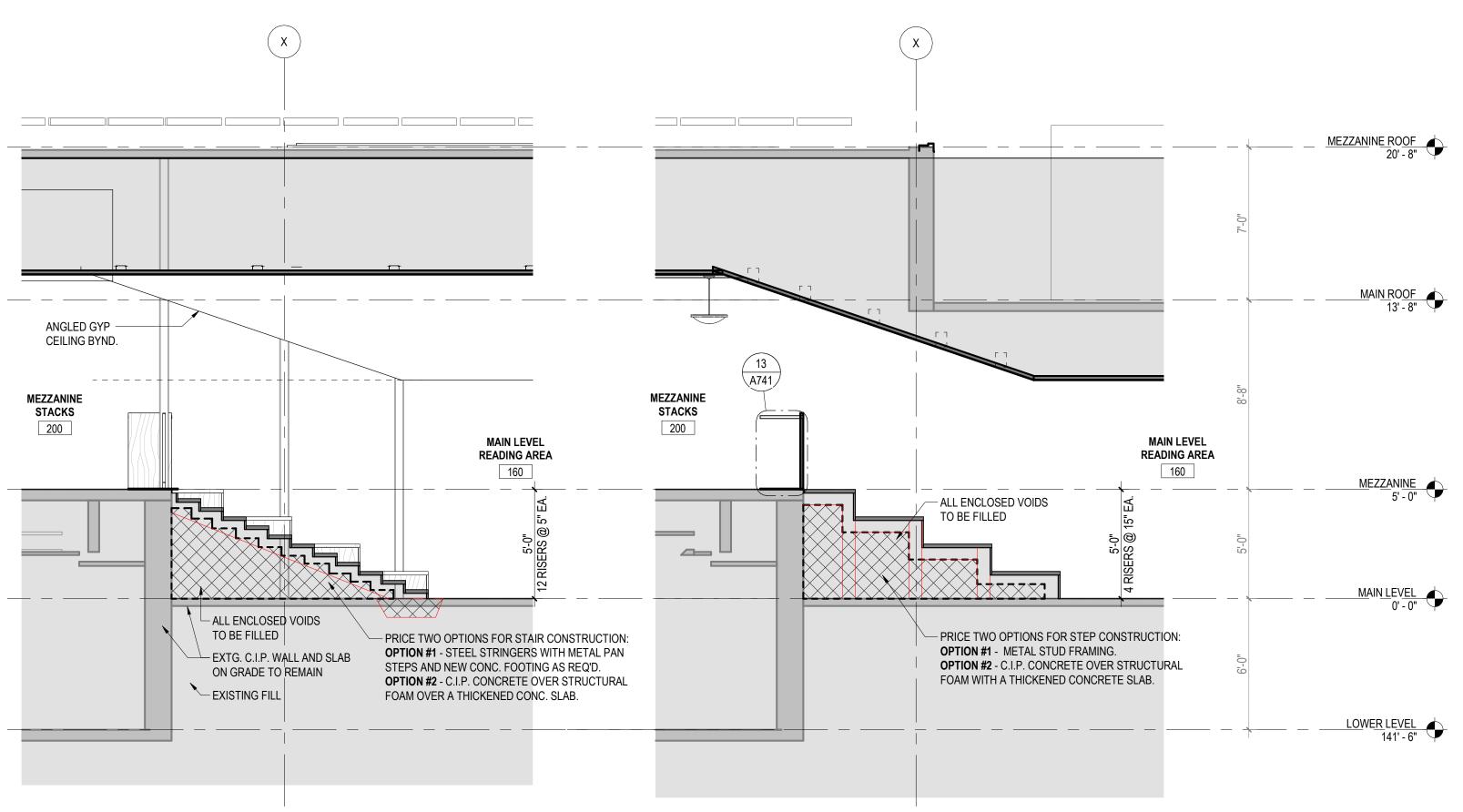
ELEVATOR AXONS, PLANS & SECTIONS



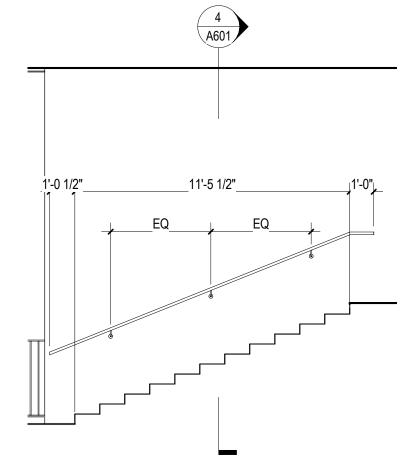


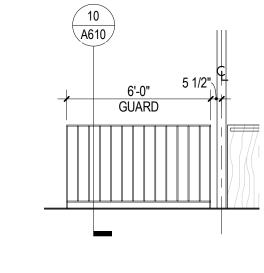




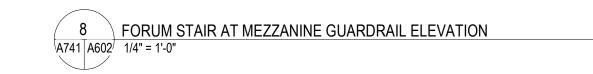


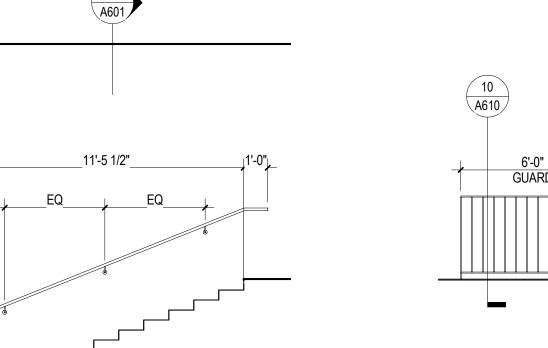
4 SECTION AT FORUM SEATING
A602 A602 1/4" = 1'-0"













VMDO

Charlottesville, VA 22902 Washington, DC 20036

434.296.5684

New City Library

Renovation

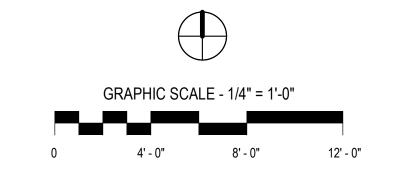
220 North Main Street New City, NY 10956

Client Project Number VMDO Project Number

Checked By

Drawn By

New City Library Addition &



ISSUES AND REVISIONS

NO. SUBMITTAL SCHEMATIC DESIGN

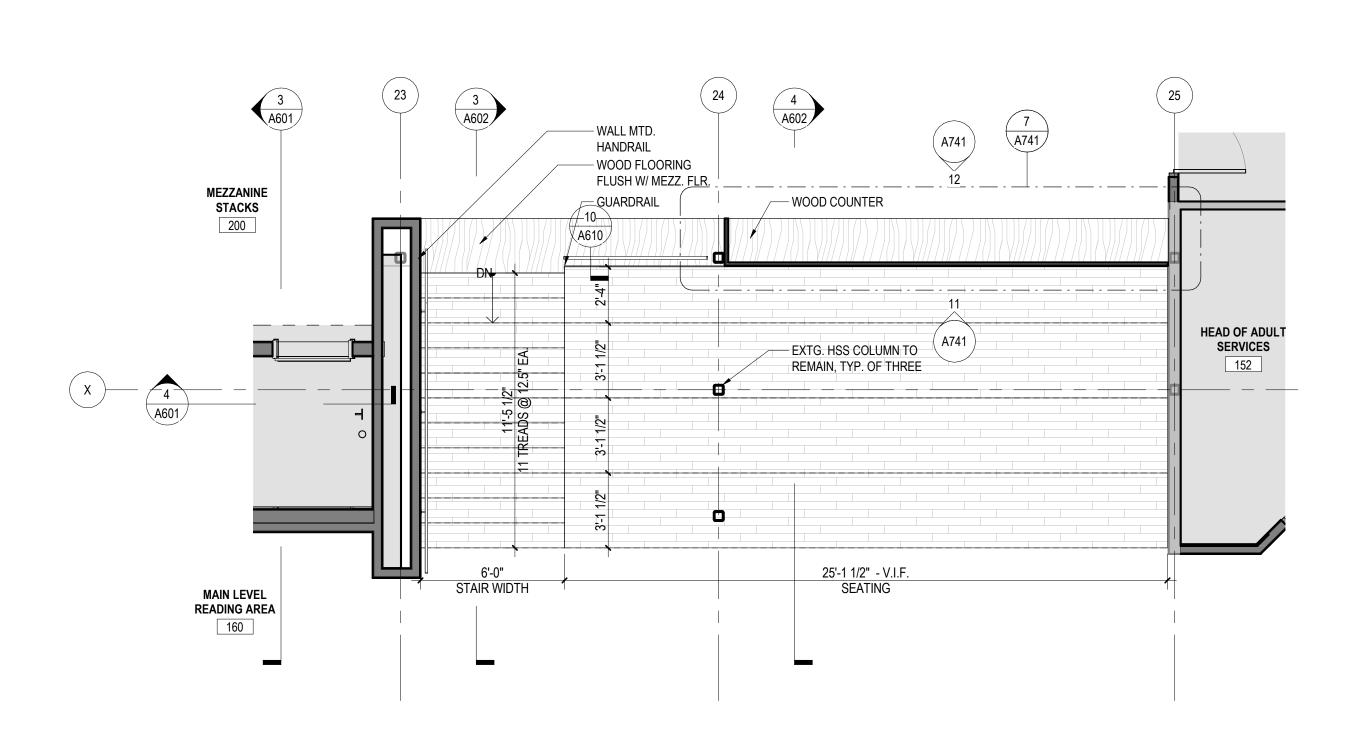
DATE 03.05.2021

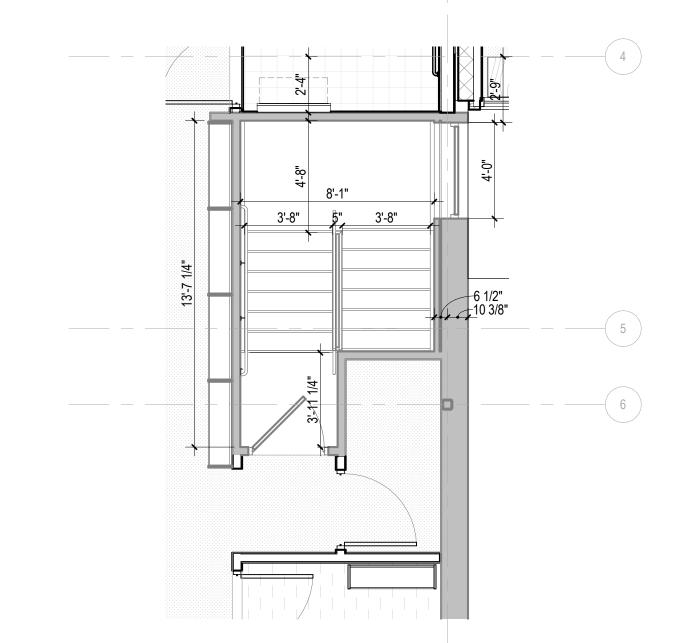
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**Author** 

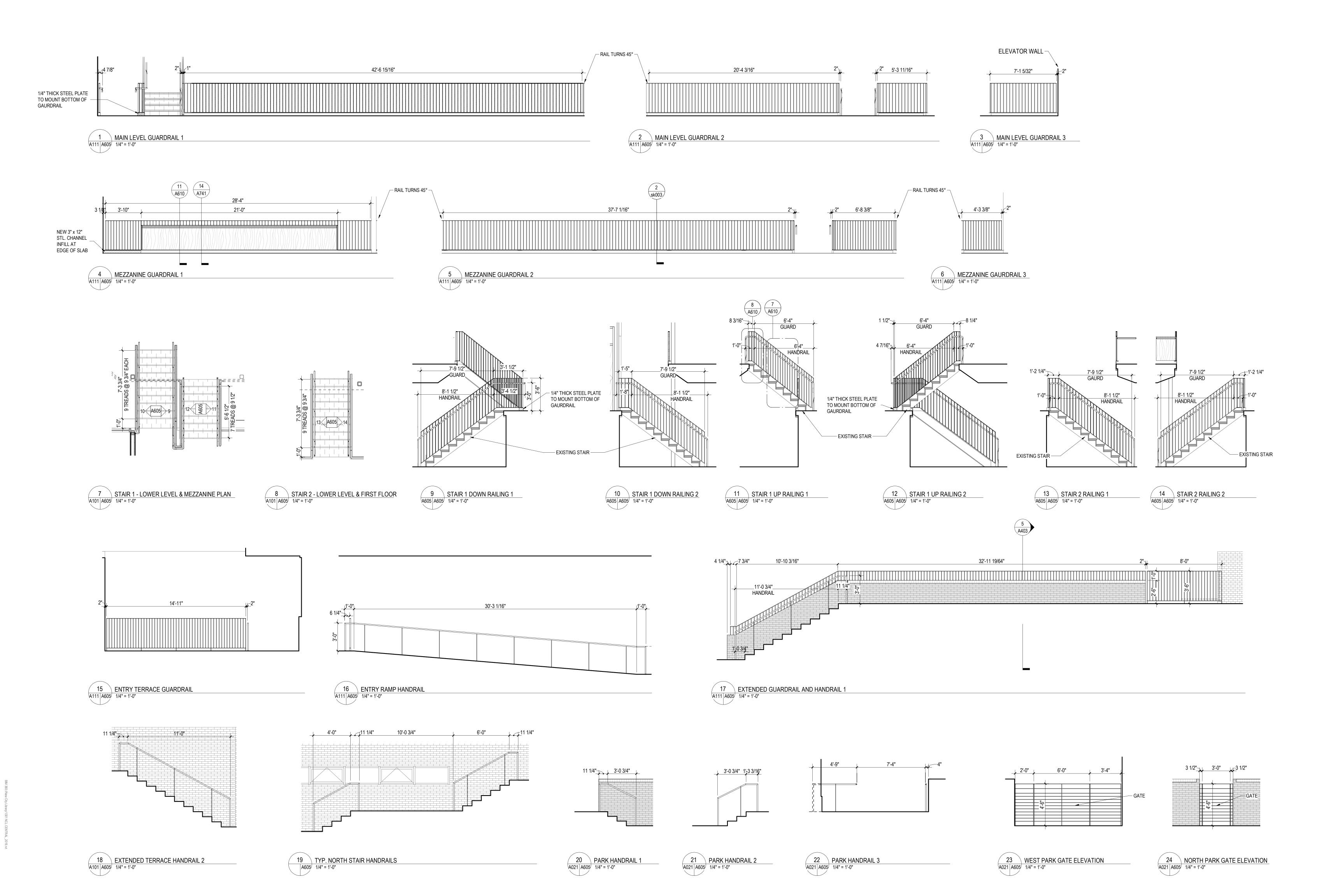
STAIR & ELEVATOR AXONS, PLANS, SECTIONS & **ELEVATIONS** 

DESIGN DEVELOPMENT
07.09.2021





3 SECTION AT FORUM SEATING STAIR RUN
A602 A602 1/4" = 1'-0"







### New City Library Addition & Renovation

220 North Main Street New City, NY 10956

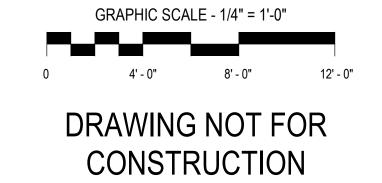
VMDO Project Number 130

Checked By

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Drawn By

HO



DATE

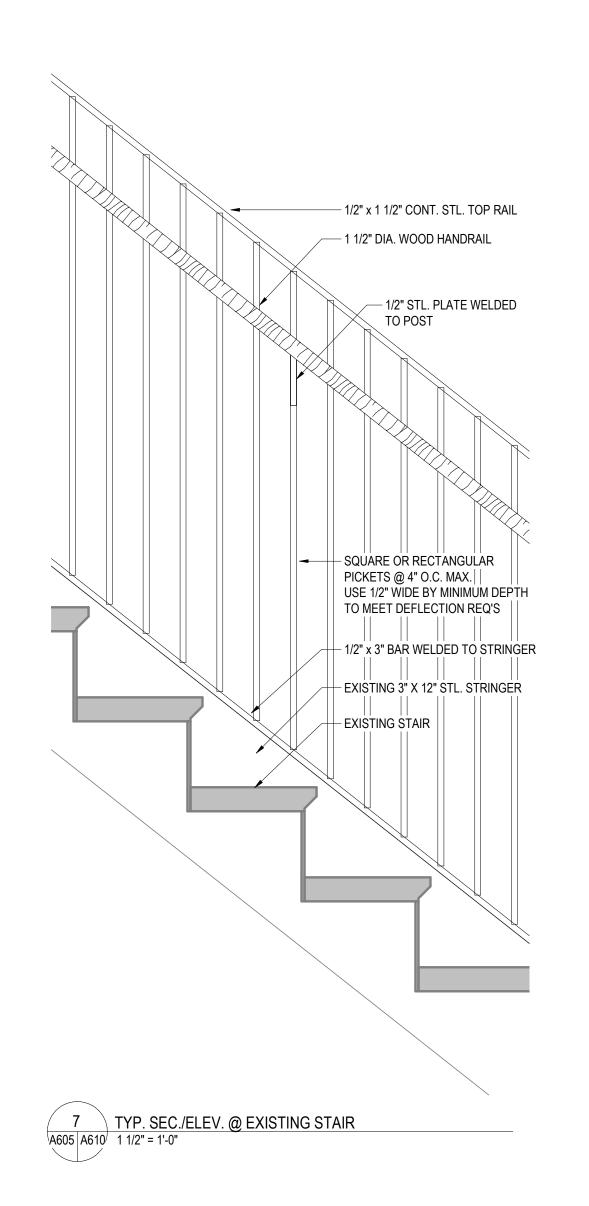
ISSUES AND REVISIONS

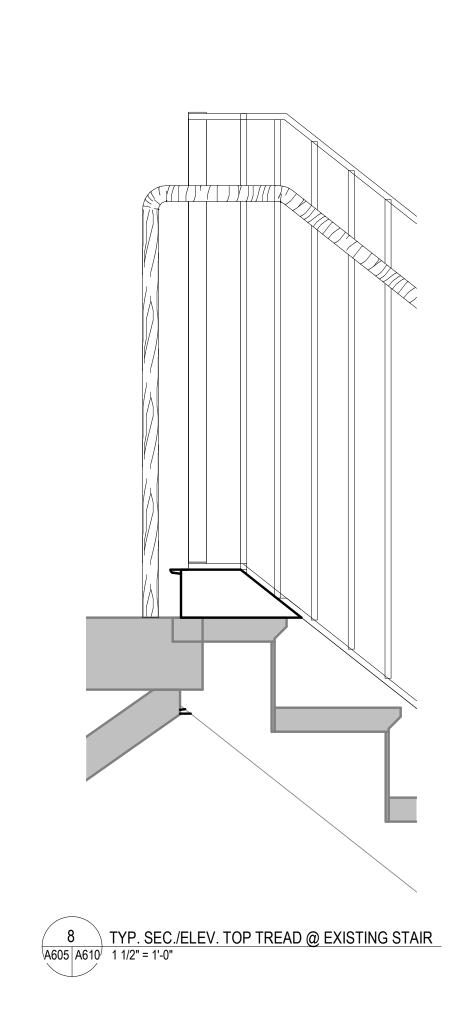
NO. SUBMITTAL

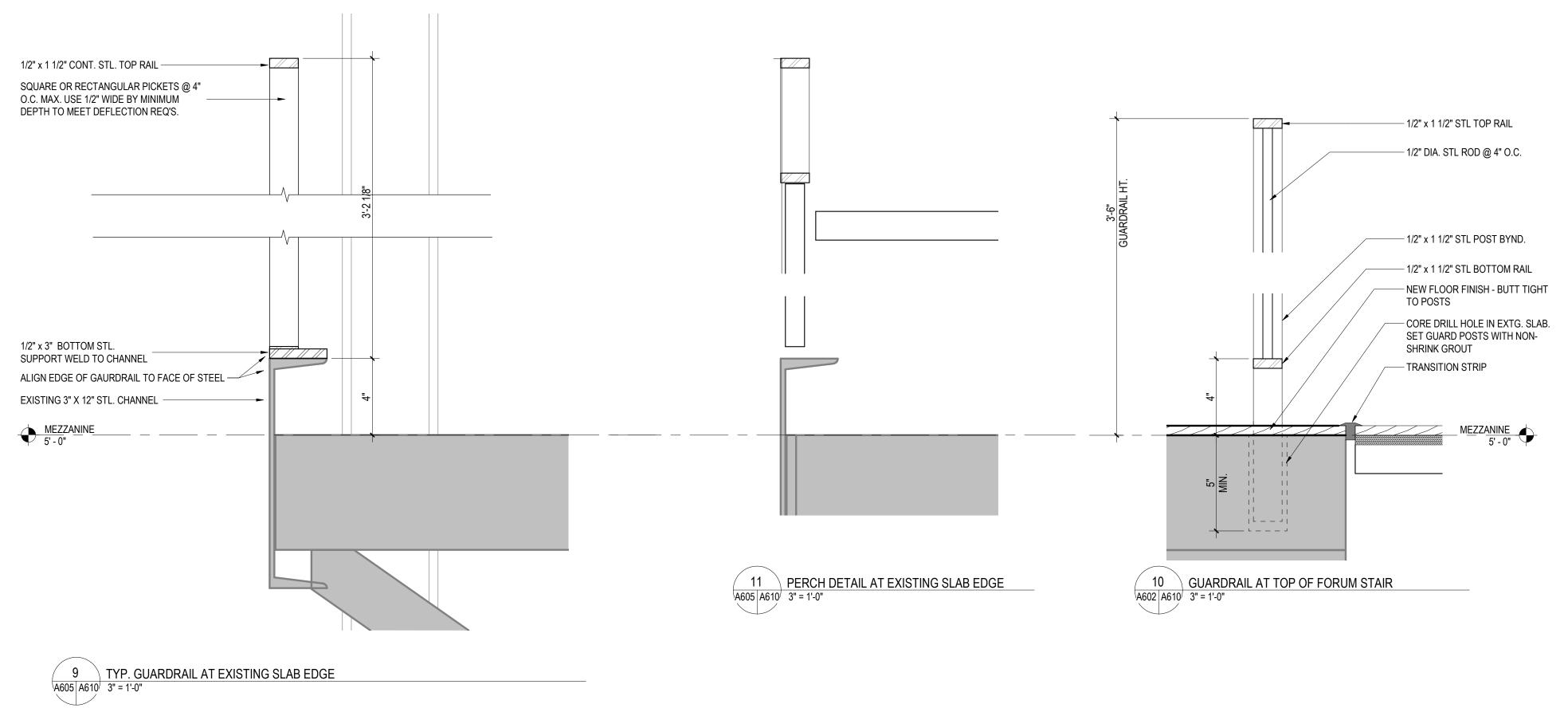
RAILING ELEVATIONS

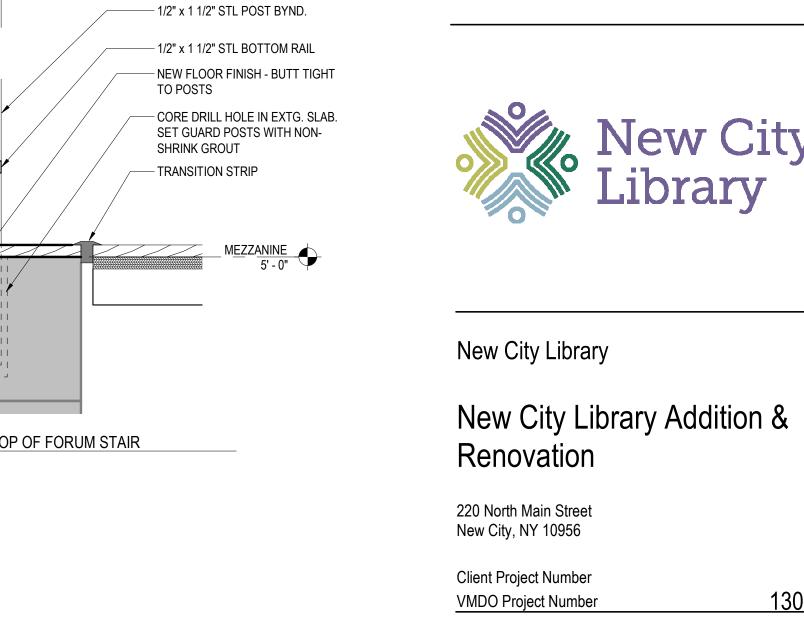
A605

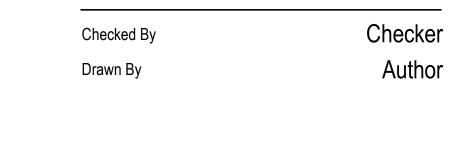
DESIGN DEVELOPMENT
07.09.2021









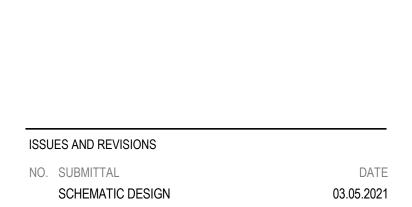


VMDO

200 E Market Street 1200 18th Street NW Ste 700

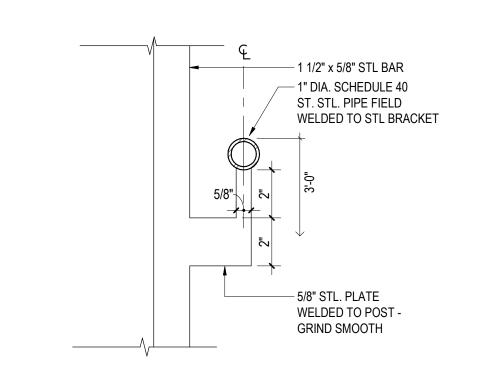
Charlottesville, VA 22902 Washington, DC 20036

vmdo.com 434.296.5684

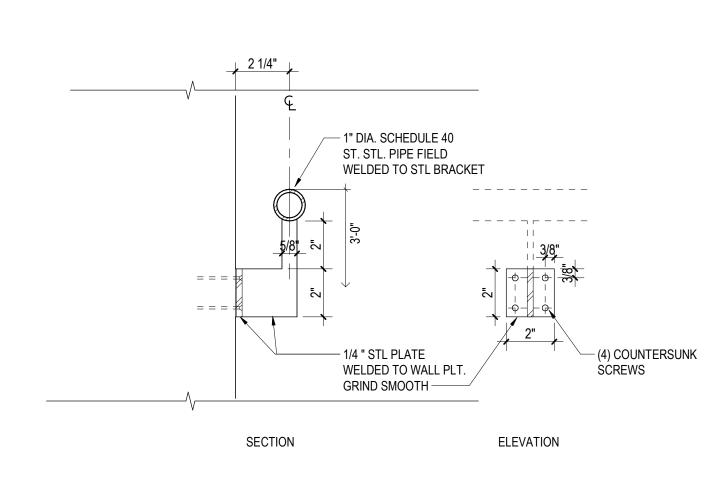




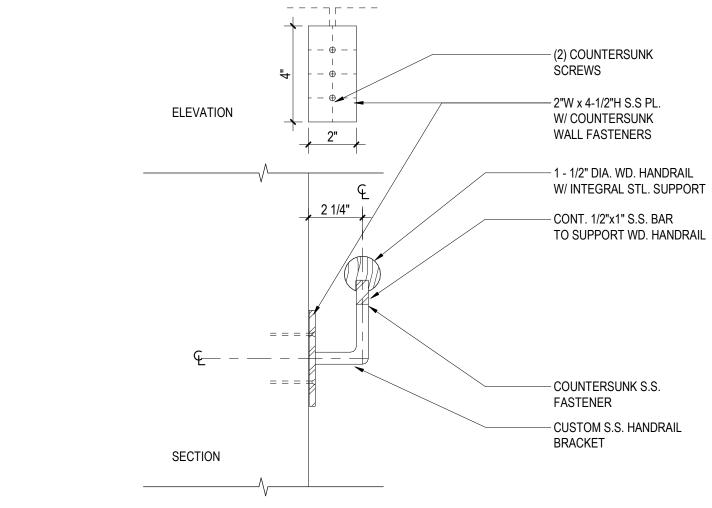






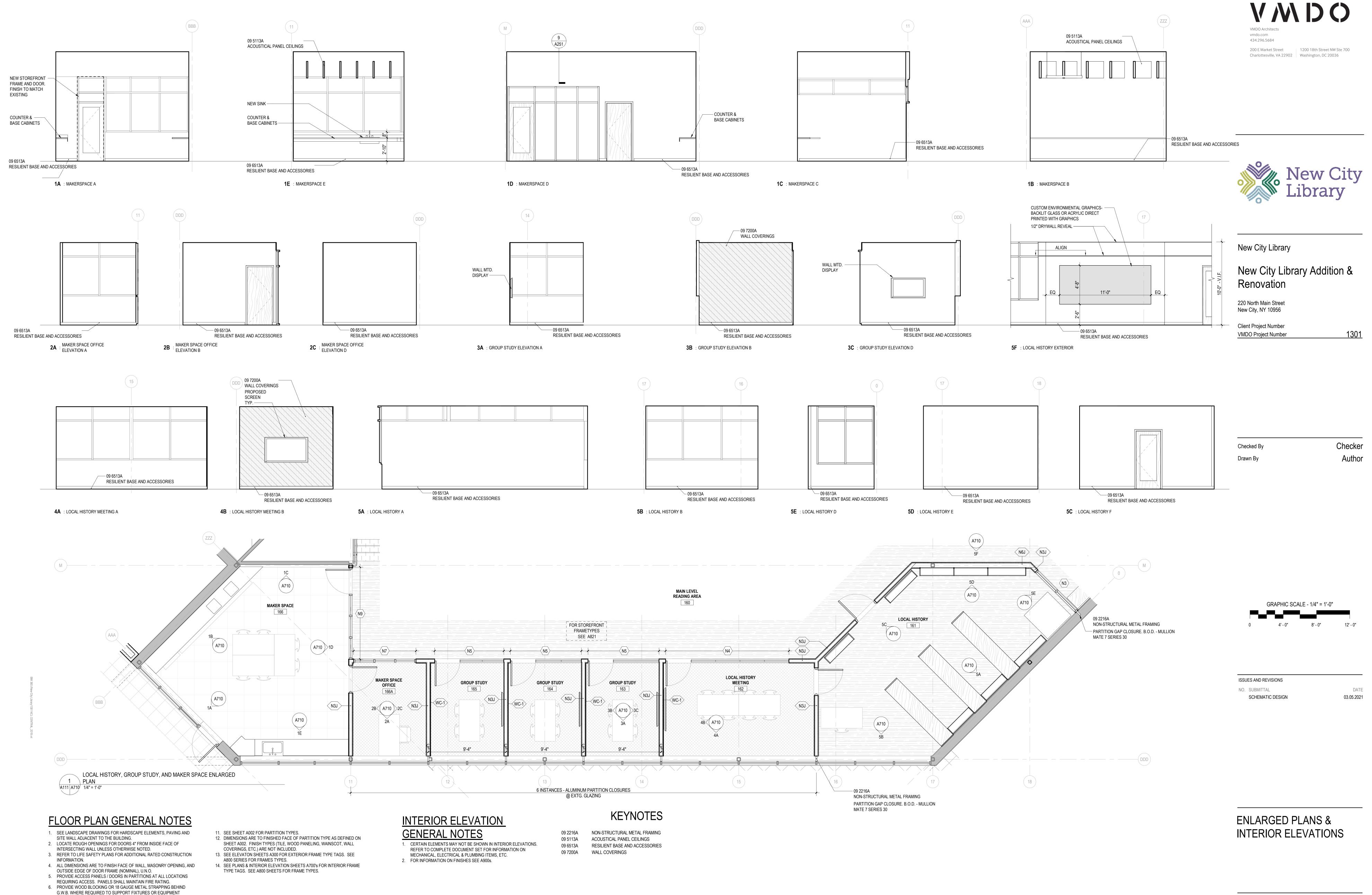


5 TYP. STL. PIPE HANDRAIL @ WALL A610 N.T.S.



\_\_\_\_\_

6 TYP. SWD. HANDRAIL @ WALL A610 N.T.S.



PROVIDED IN THE CONTRACT OR BY OTHERS.

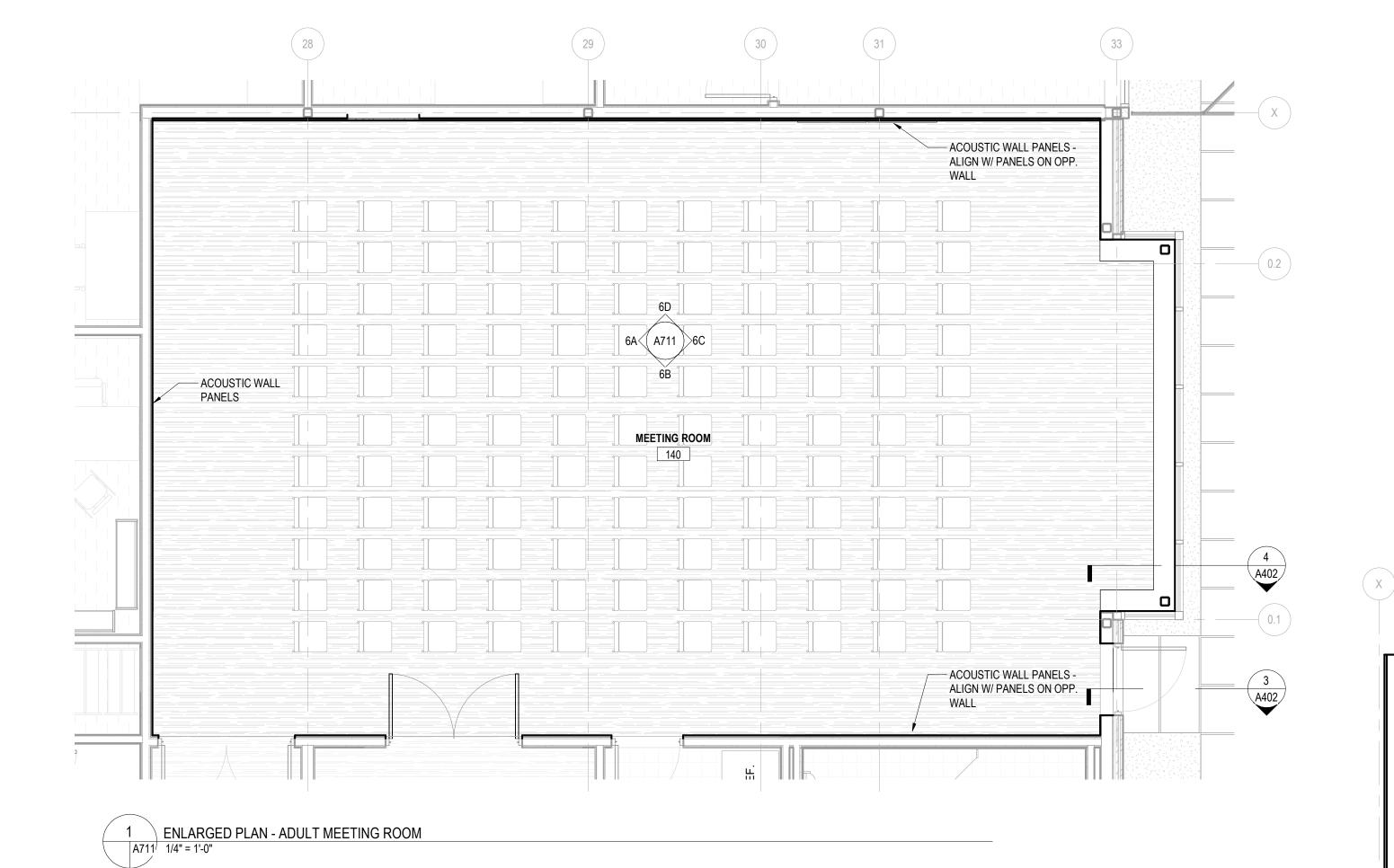
CEILING CAVITY, U.N.O.

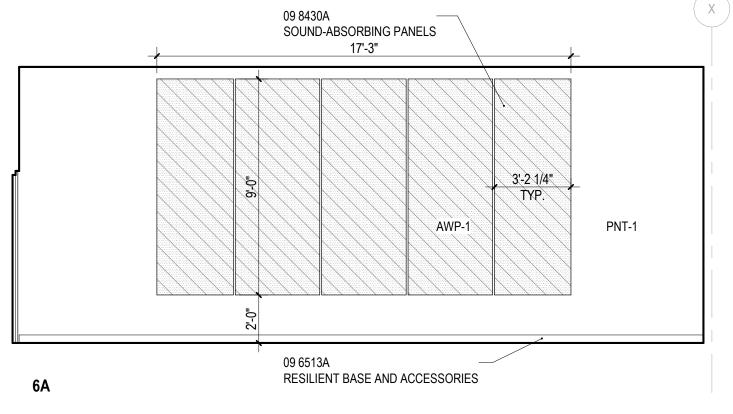
 WHERE METAL FRAMING REQUIRES SUPPORT AT COLUMNS & BEAMS, PROVIDE METAL STAND-OFFS PRIOR TO APPLYING FIREPROOFING.
 ALL M.E.P. AND I.T. SYSTEMS ARE TO BE CONCEALED WITHIN WALL OR

9. ALL INTERIOR PARTITIONS ARE TYPE **N3A** U.N.O. SEE T002 FOR PARTITION

A710

DESIGN DEVELOPMENT
07.09.2021



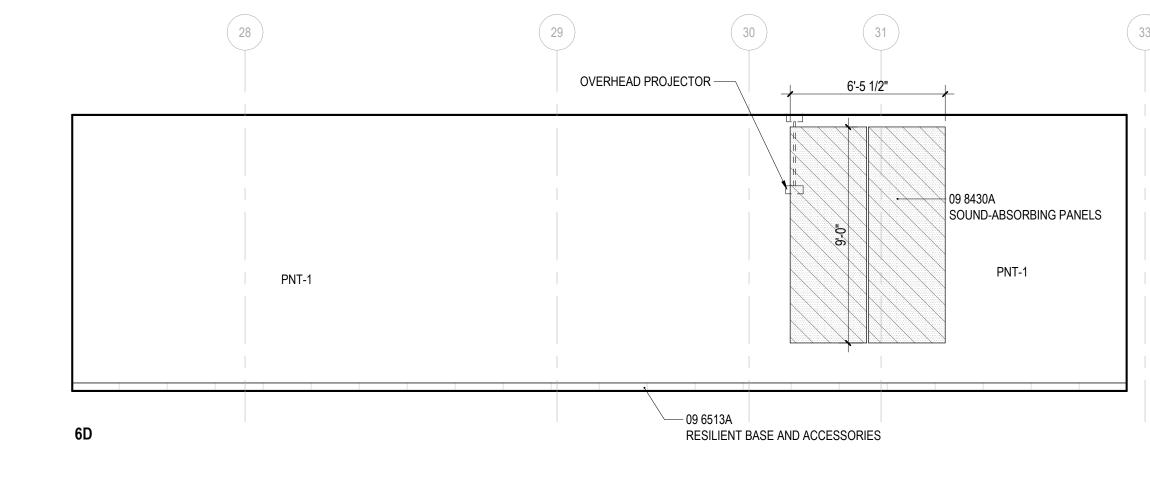


- OVERHEAD PROJECTOR

── 09 6513A

RESILIENT BASE AND ACCESSORIES

RESILIENT BASE AND ACCESSORIES



09 8430A SOUND-ABSORBING PANELS

RESILIENT BASE AND ACCESSORIES

PNT-1

— OVERHEAD PROJECTOR







New City Library

#### New City Library Addition & Renovation

220 North Main Street New City, NY 10956

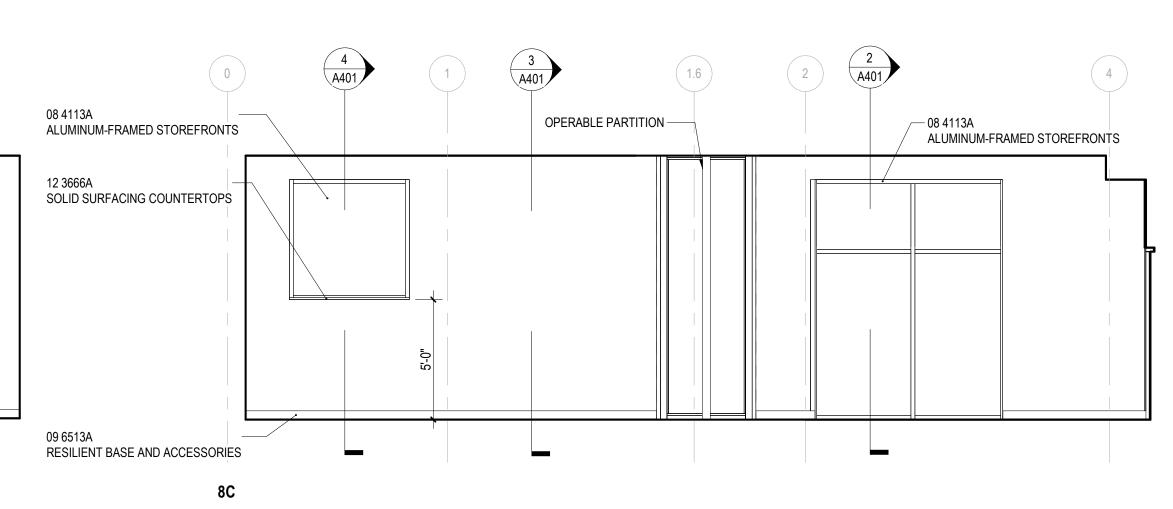
Client Project Number

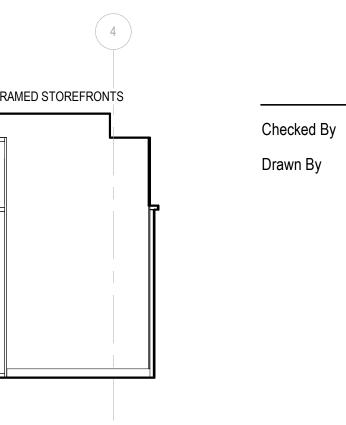
VMDO Project Number

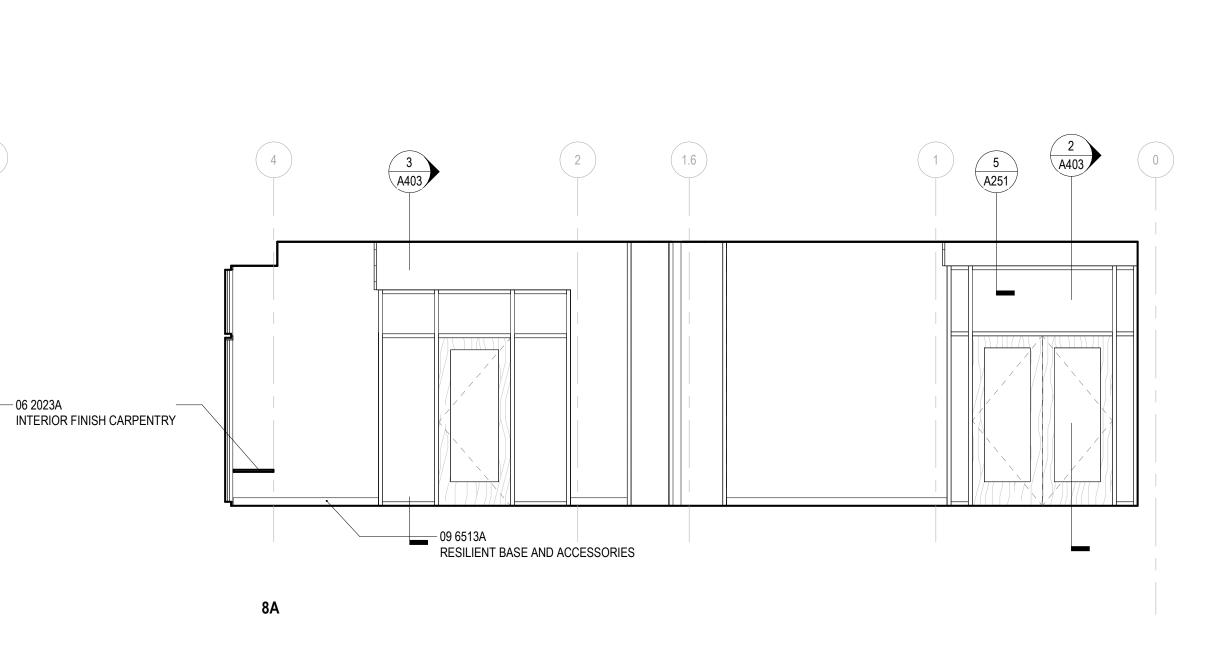
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**Author** 

03.05.2021







# 0 4' - 0" 8' - 0" 12' - 0"

ISSUES AND REVISIONS

NO. SUBMITTAL SCHEMATIC DESIGN

ENLARGED PLANS &

INTERIOR ELEVATIONS

### FLOOR PLAN GENERAL NOTES

- 1. SEE LANDSCAPE DRAWINGS FOR HARDSCAPE ELEMENTS, PAVING AND SITE WALL ADJACENT TO THE BUILDING.
- 2. LOCATE ROUGH OPENINGS FOR DOORS 4" FROM INSIDE FACE OF INTERSECTING WALL UNLESS OTHERWISE NOTED. 3. REFER TO LIFE SAFETY PLANS FOR ADDITIONAL RATED CONSTRUCTION INFORMATION.

4. ALL DIMENSIONS ARE TO FINISH FACE OF WALL, MASONRY OPENING, AND

- OUTSIDE EDGE OF DOOR FRAME (NOMINAL), U.N.O. 5. PROVIDE ACCESS PANELS / DOORS IN PARTITIONS AT ALL LOCATIONS REQUIRING ACCESS. PANELS SHALL MAINTAIN FIRE RATING. 6. PROVIDE WOOD BLOCKING OR 18 GAUGE METAL STRAPPING BEHIND
- G.W.B. WHERE REQUIRED TO SUPPORT FIXTURES OR EQUIPMENT PROVIDED IN THE CONTRACT OR BY OTHERS. 7. WHERE METAL FRAMING REQUIRES SUPPORT AT COLUMNS & BEAMS.
- PROVIDE METAL STAND-OFFS PRIOR TO APPLYING FIREPROOFING.
- 8. ALL M.E.P. AND I.T. SYSTEMS ARE TO BE CONCEALED WITHIN WALL OR CEILING CAVITY, U.N.O. 9. ALL INTERIOR PARTITIONS ARE TYPE **N3A** U.N.O. SEE T002 FOR PARTITION TYPES.
- 11. SEE SHEET A002 FOR PARTITION TYPES. 12. DIMENSIONS ARE TO FINISHED FACE OF PARTITION TYPE AS DEFINED ON SHEET A002. FINISH TYPES (TILE, WOOD PANELING, WAINSCOT, WALL

CHILDRENS MEETING ROOM

COVERINGS, ETC.) ARE NOT INCLUDED. 13. SEE ELEVATON SHEETS A300 FOR EXTERIOR FRAME TYPE TAGS. SEE A800 SERIES FOR FRAMES TYPES. 14. SEE PLANS & INTERIOR ELEVATION SHEETS A700's FOR INTERIOR FRAME

TYPE TAGS. SEE A800 SHEETS FOR FRAME TYPES.

#### INTERIOR ELEVATION **GENERAL NOTES**

2. FOR INFORMATION ON FINISHES SEE A900s.

1. CERTAIN ELEMENTS MAY NOT BE SHOWN IN INTERIOR ELEVATIONS. REFER TO COMPLETE DOCUMENT SET FOR INFORMATION ON MECHANICAL, ELECTRICAL & PLUMBING ITEMS, ETC.

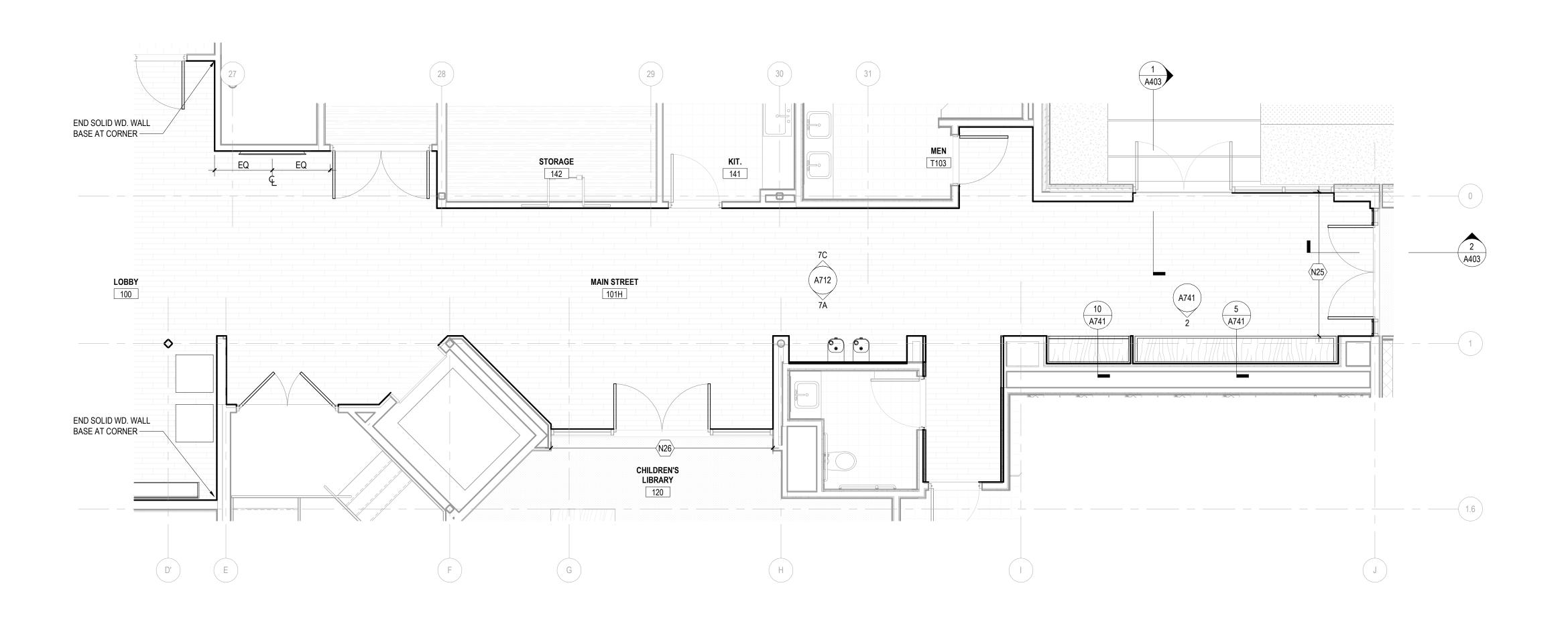
#### **KEYNOTES**

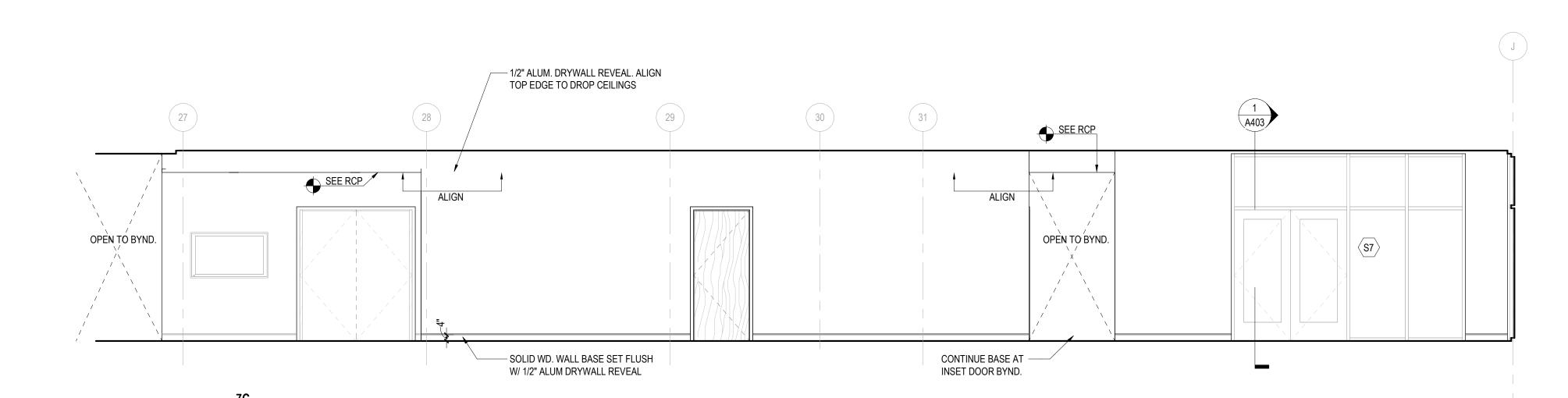
\_\_\_\_ 06 2023A

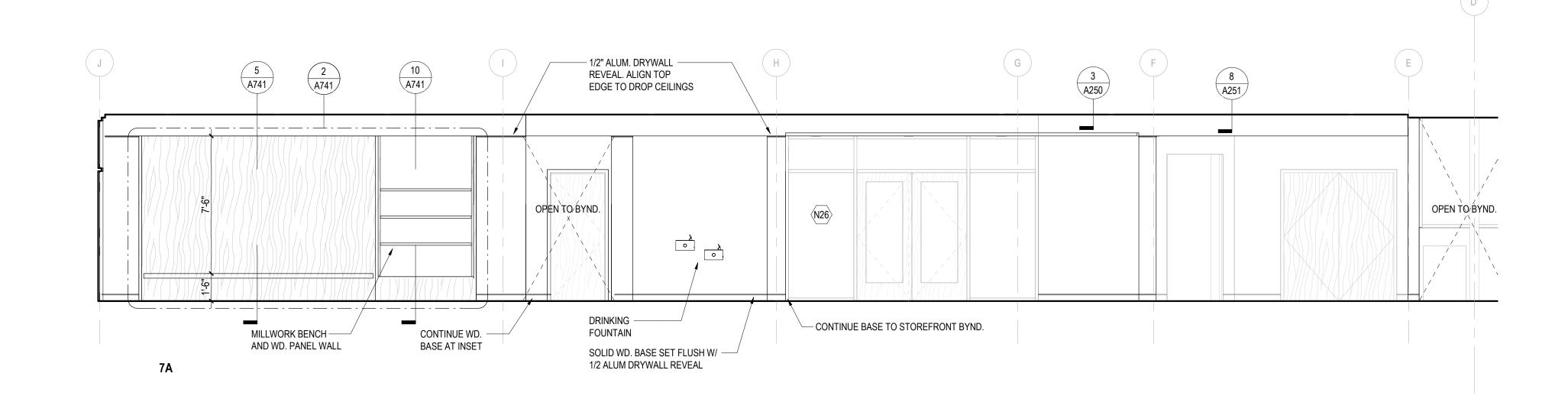
06 2023A INTERIOR FINISH CARPENTRY 08 4113A ALUMINUM-FRAMED STOREFRONTS 09 6513A RESILIENT BASE AND ACCESSORIES 09 8430A SOUND-ABSORBING PANELS 12 3666A SOLID SURFACING COUNTERTOPS

RESILIENT BASE AND ACCESSORIES









#### FLOOR PLAN GENERAL NOTES

1 ENLARGED PLAN - MAIN STREET
| A712 | 1/4" = 1'-0"

1. SEE LANDSCAPE DRAWINGS FOR HARDSCAPE ELEMENTS, PAVING AND SITE WALL ADJACENT TO THE BUILDING.

11. SEE SHEET A002 FOR PARTITION TYPES.

A800 SERIES FOR FRAMES TYPES.

COVERINGS, ETC.) ARE NOT INCLUDED.

TYPE TAGS. SEE A800 SHEETS FOR FRAME TYPES.

12. DIMENSIONS ARE TO FINISHED FACE OF PARTITION TYPE AS DEFINED ON

SHEET A002. FINISH TYPES (TILE, WOOD PANELING, WAINSCOT, WALL

13. SEE ELEVATON SHEETS A300 FOR EXTERIOR FRAME TYPE TAGS. SEE

14. SEE PLANS & INTERIOR ELEVATION SHEETS A700's FOR INTERIOR FRAME

- 2. LOCATE ROUGH OPENINGS FOR DOORS 4" FROM INSIDE FACE OF
- INTERSECTING WALL UNLESS OTHERWISE NOTED.
- 3. REFER TO LIFE SAFETY PLANS FOR ADDITIONAL RATED CONSTRUCTION INFORMATION.
- 4. ALL DIMENSIONS ARE TO FINISH FACE OF WALL, MASONRY OPENING, AND OUTSIDE EDGE OF DOOR FRAME (NOMINAL), U.N.O.
- 5. PROVIDE ACCESS PANELS / DOORS IN PARTITIONS AT ALL LOCATIONS REQUIRING ACCESS. PANELS SHALL MAINTAIN FIRE RATING.
- 6. PROVIDE WOOD BLOCKING OR 18 GAUGE METAL STRAPPING BEHIND G.W.B. WHERE REQUIRED TO SUPPORT FIXTURES OR EQUIPMENT
- PROVIDED IN THE CONTRACT OR BY OTHERS.
- 7. WHERE METAL FRAMING REQUIRES SUPPORT AT COLUMNS & BEAMS,
- PROVIDE METAL STAND-OFFS PRIOR TO APPLYING FIREPROOFING.
- 8. ALL M.E.P. AND I.T. SYSTEMS ARE TO BE CONCEALED WITHIN WALL OR CEILING CAVITY, U.N.O. 9. ALL INTERIOR PARTITIONS ARE TYPE **N3A** U.N.O. SEE T002 FOR PARTITION

### INTERIOR ELEVATION

#### **GENERAL NOTES**

1. CERTAIN ELEMENTS MAY NOT BE SHOWN IN INTERIOR ELEVATIONS. REFER TO COMPLETE DOCUMENT SET FOR INFORMATION ON MECHANICAL, ELECTRICAL & PLUMBING ITEMS, ETC.

2. FOR INFORMATION ON FINISHES SEE A900s.

KEYNOTES





New City Library

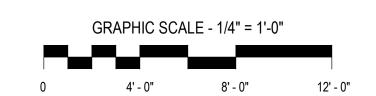
New City Library Addition & Renovation

220 North Main Street New City, NY 10956

Client Project Number

VMDO Project Number

Checker Checked By **Author** Drawn By

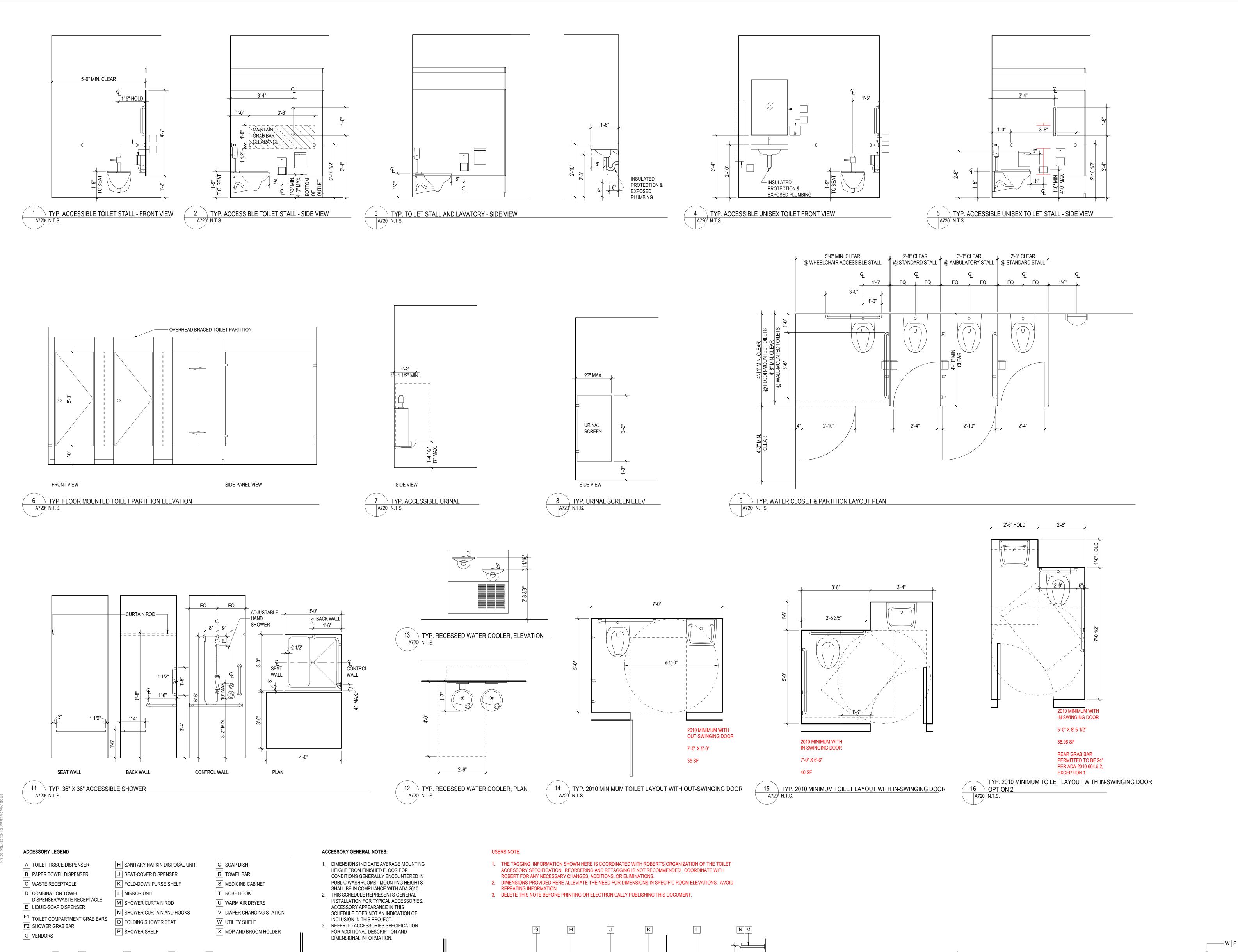


ISSUES AND REVISIONS

NO. SUBMITTAL

ENLARGED PLANS & INTERIOR ELEVATIONS

DESIGN DEVELOPMENT
07.09.2021







### New City Library Addition & Renovation

220 North Main Street New City, NY 10956

Client Project Number
VMDO Project Number

roject Number 13

Checked By

Checker

Drawn By

Author

ISSUES AND REVISIONS

NO. SUBMITTAL
SCHEMATIC DESIGN

DATE 03.05.2021

TYPICAL TOILET ROOM LAYOUTS & ELEVATIONS

A720
DESIGN DEVELOPMENT
07.09.2021

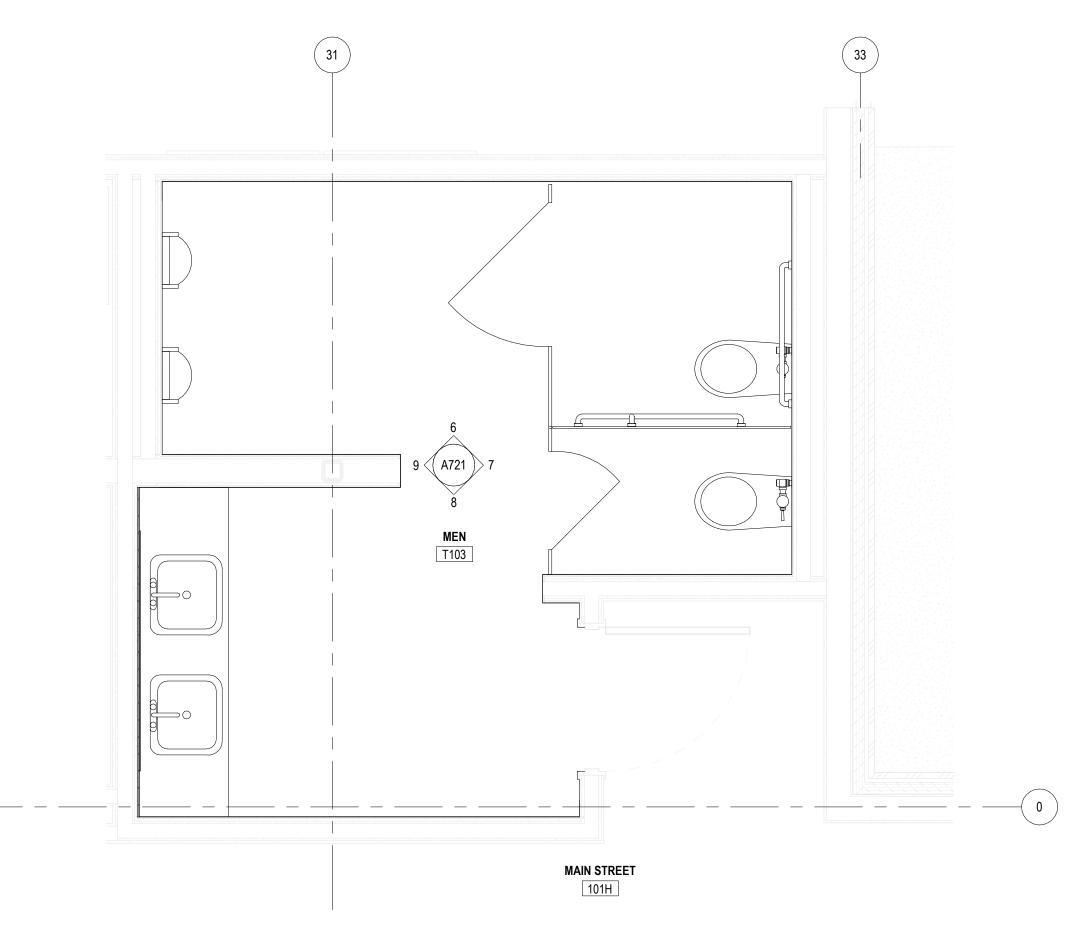
10 TYP. TOILET ACCESSORY ELEVATIONS
A720 N.T.S.

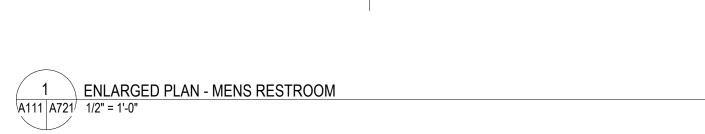
8" WIN OUTLET OU

— FACE OF

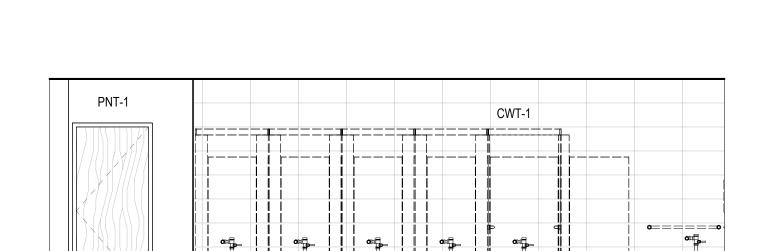
TOILET

TOILET

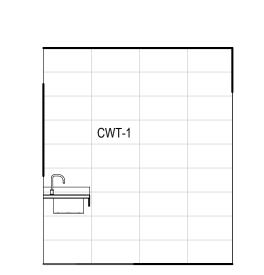












6 WEST ELEVATION - MENS RESTROOM
A721 A721 1/4" = 1'-0"

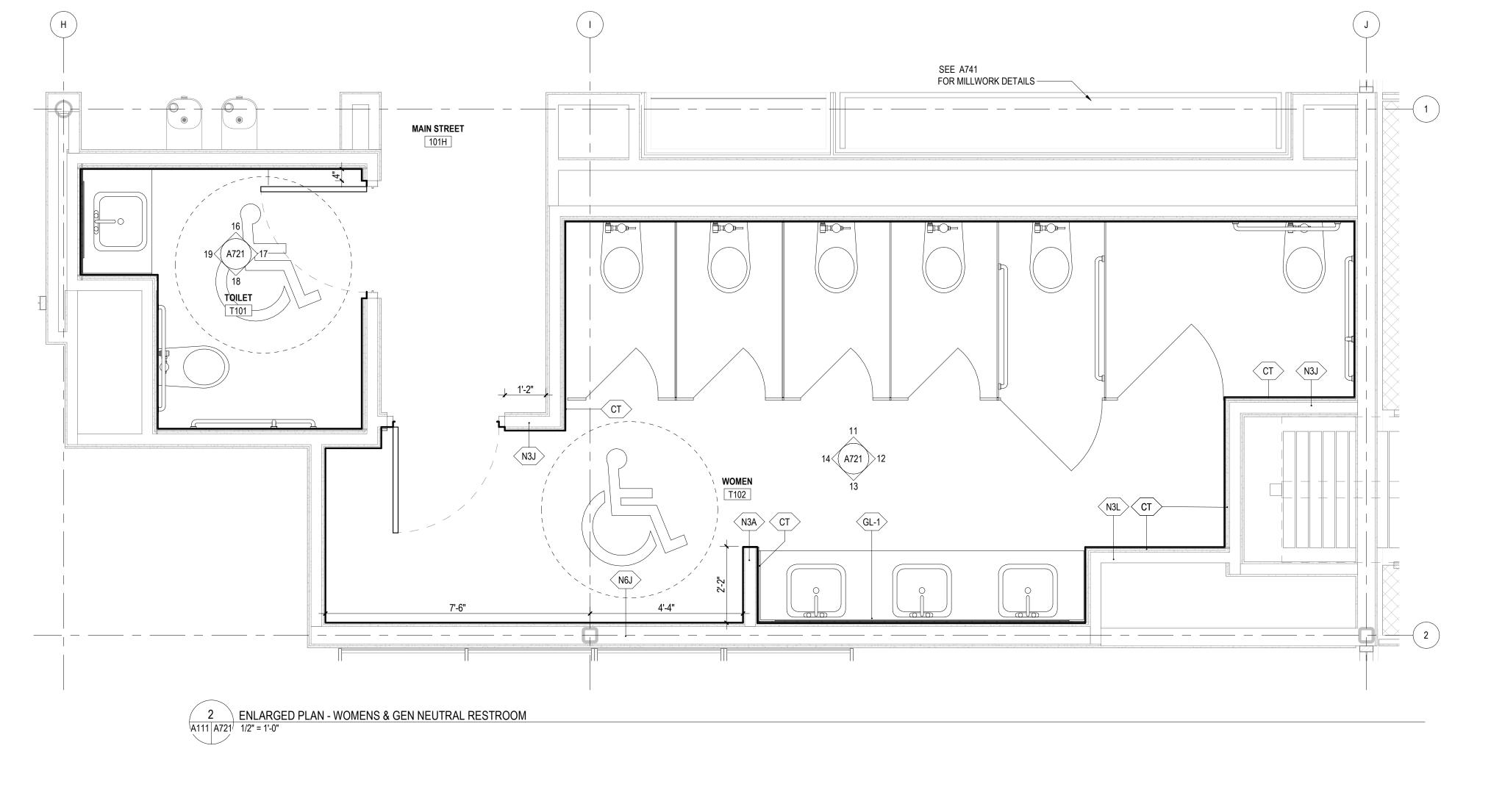


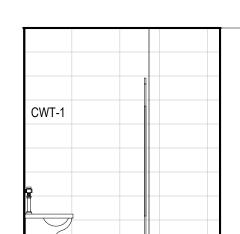
- FLOOR PLAN GENERAL NOTES
- SEE LANDSCAPE DRAWINGS FOR HARDSCAPE ELEMENTS, PAVING AND SITE WALL ADJACENT TO THE BUILDING.
   LOCATE ROUGH OPENINGS FOR DOORS 4" FROM INSIDE FACE OF INTERSECTING WALL UNLESS OTHERWISE NOTED.
   REFER TO LIFE SAFETY PLANS FOR ADDITIONAL RATED CONSTRUCTION
- REFER TO LIFE SAFETY PLANS FOR ADDITIONAL RATED CONSTRUCTION INFORMATION.
   ALL DIMENSIONS ARE TO FINISH FACE OF WALL, MASONRY OPENING, AND OUTSIDE EDGE OF DOOR FRAME (NOMINAL), U.N.O.
- PROVIDE ACCESS PANELS / DOORS IN PARTITIONS AT ALL LOCATIONS REQUIRING ACCESS. PANELS SHALL MAINTAIN FIRE RATING.
   PROVIDE WOOD BLOCKING OR 18 GAUGE METAL STRAPPING BEHIND G.W.B. WHERE REQUIRED TO SUPPORT FIXTURES OR EQUIPMENT
- PROVIDED IN THE CONTRACT OR BY OTHERS.

  7. WHERE METAL FRAMING REQUIRES SUPPORT AT COLUMNS & BEAMS, PROVIDE METAL STAND-OFFS PRIOR TO APPLYING FIREPROOFING.

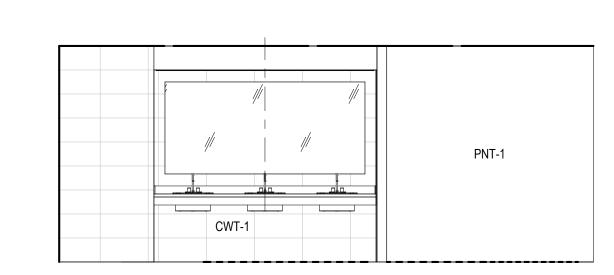
  8. ALL M.E.P. AND I.T. SYSTEMS ARE TO BE CONCEALED WITHIN WALL OR
- CEILING CAVITY, U.N.O.

  9. ALL INTERIOR PARTITIONS ARE TYPE **N3A** U.N.O. SEE T002 FOR PARTITION TYPES.

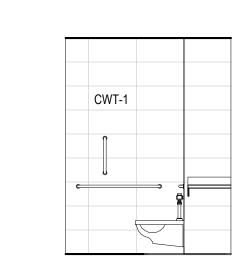




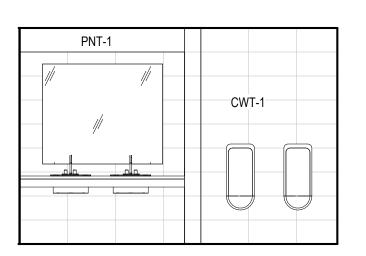






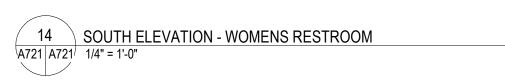


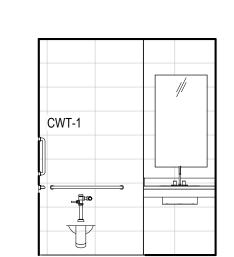
18 EAST ELEVATION - ALL GENDER RESTROOM
A721 A721 1/4" = 1'-0"











19 SOUTH ELEVATION - ALL GENDER RESTROOM



Charlottesville, VA 22902 Washington, DC 20036

1200 18th Street NW Ste 700



New City Library

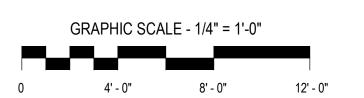
New City Library Addition & Renovation

220 North Main Street New City, NY 10956

Client Project Number

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Checker
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Author



ISSUES AND REVISIONS

NO. SUBMITTAL

NO. SUBMITTAL

SCHEMATIC DESIGN

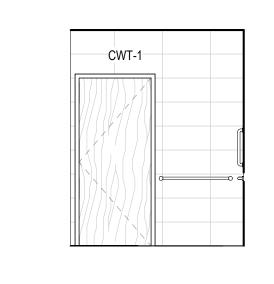
DATE 03.05.2021

ENLARGED TOILET PLANS & ELEVATIONS

A721

DESIGN DEVELOPMENT

07.09.2021



17 NORTH ELEVATION - ALL GENDER RESTROOM
A721 A721 1/4" = 1'-0"

12 NORTH ELEVATION - WOMENS RESTROOM
A721 A721 1/4" = 1'-0"

7 NORTH ELEVATION - MENS RESTROOM
A711 A721 1/4" = 1'-0"

CWT-1

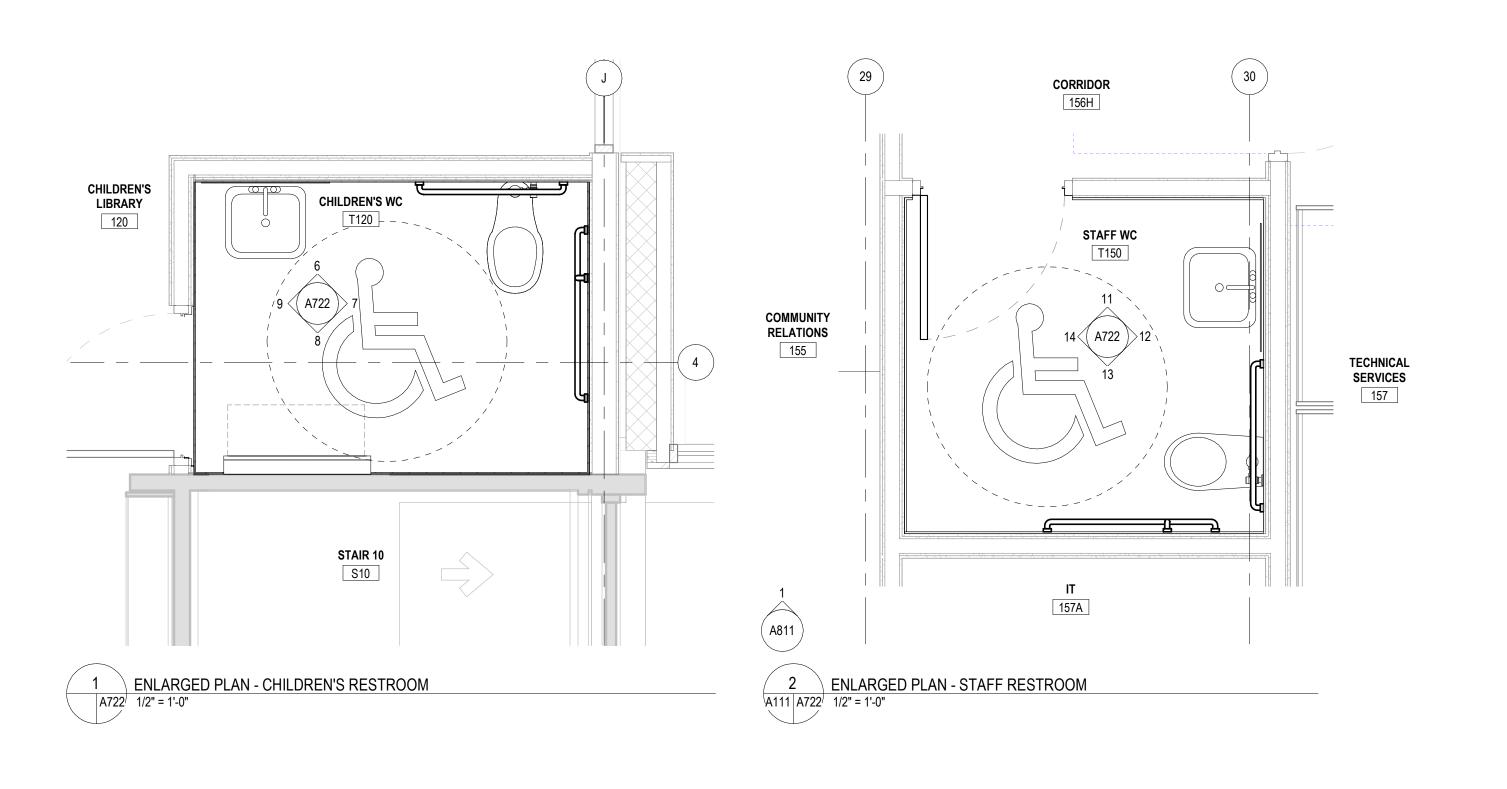
 SEE SHEET A002 FOR PARTITION TYPES.
 DIMENSIONS ARE TO FINISHED FACE OF PARTITION TYPE AS DEFINED ON SHEET A002. FINISH TYPES (TILE, WOOD PANELING, WAINSCOT, WALL

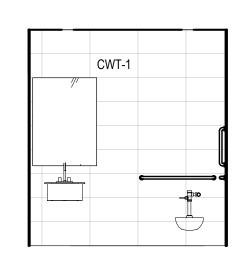
A800 SERIES FOR FRAMES TYPES.

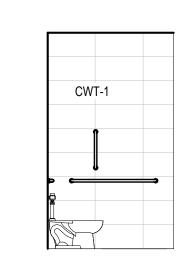
14. SEE PLANS & INTERIOR ELEVATION SHEETS A700's FOR INTERIOR FRAME TYPE TAGS. SEE A800 SHEETS FOR FRAME TYPES.

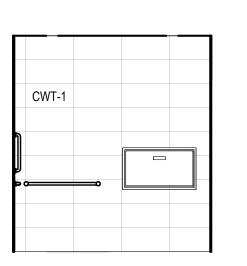
13. SEE ELEVATON SHEETS A300 FOR EXTERIOR FRAME TYPE TAGS. SEE

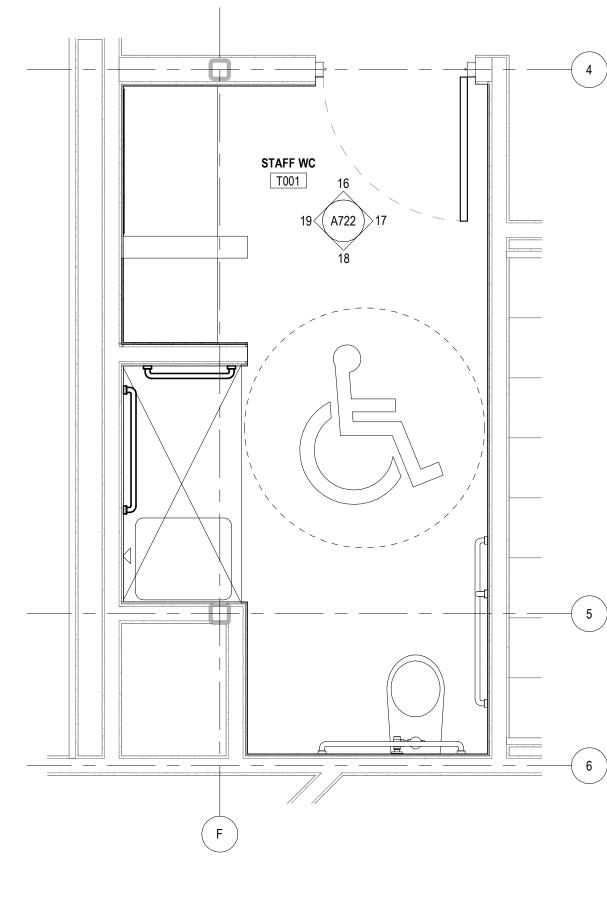
COVERINGS, ETC.) ARE NOT INCLUDED.

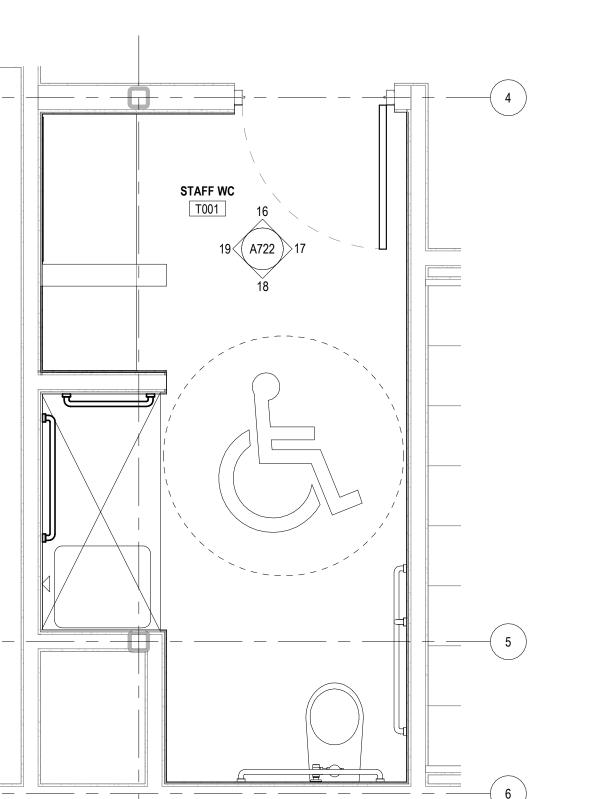
















#### New City Library Addition & Renovation

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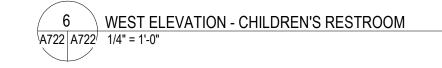
VMDO Project Number

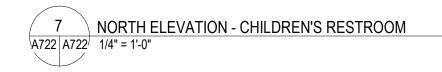
Checker

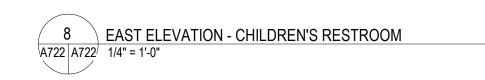
**Author** 

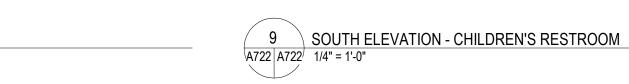
DATE

03.05.2021

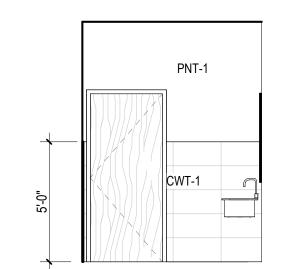


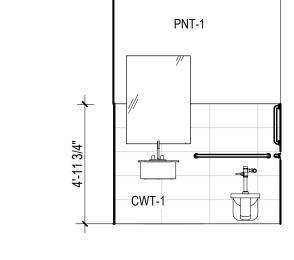






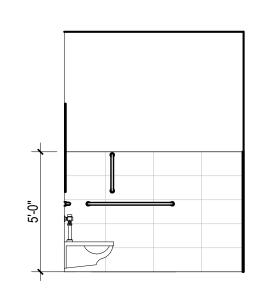




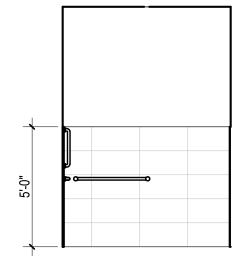


12 NORTH ELEVATION - STAFF RESTROOM
A722 A722 1/4" = 1'-0"

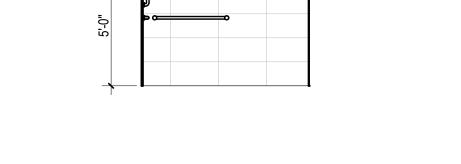
17 NORTH ELEVATION - LOWER LEVEL STAFF WC
A722 A722 1/4" = 1'-0"



13 EAST ELEVATION - STAFF RESTROOM
A722 A722 1/4" = 1'-0"

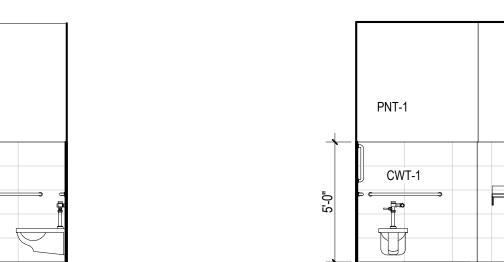


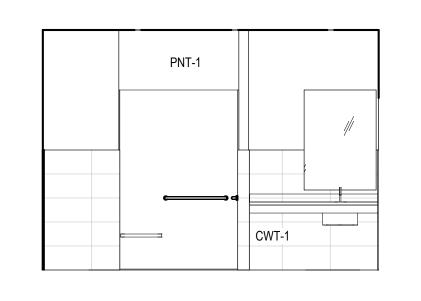
14 SOUTH ELEVATION - STAFF RESTROOM
A722 A722 1/4" = 1'-0"







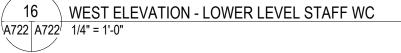






19 SOUTH ELEVATION - LOWER LEVEL STAFF WC
A722 A722 1/4" = 1'-0"







FLOOR PLAN GENERAL NOTES

- 1. SEE LANDSCAPE DRAWINGS FOR HARDSCAPE ELEMENTS, PAVING AND SITE WALL ADJACENT TO THE BUILDING. 2. LOCATE ROUGH OPENINGS FOR DOORS 4" FROM INSIDE FACE OF INTERSECTING WALL UNLESS OTHERWISE NOTED. 3. REFER TO LIFE SAFETY PLANS FOR ADDITIONAL RATED CONSTRUCTION
- INFORMATION. 4. ALL DIMENSIONS ARE TO FINISH FACE OF WALL, MASONRY OPENING, AND OUTSIDE EDGE OF DOOR FRAME (NOMINAL), U.N.O. 5. PROVIDE ACCESS PANELS / DOORS IN PARTITIONS AT ALL LOCATIONS
- REQUIRING ACCESS. PANELS SHALL MAINTAIN FIRE RATING. 6. PROVIDE WOOD BLOCKING OR 18 GAUGE METAL STRAPPING BEHIND G.W.B. WHERE REQUIRED TO SUPPORT FIXTURES OR EQUIPMENT PROVIDED IN THE CONTRACT OR BY OTHERS.
- 7. WHERE METAL FRAMING REQUIRES SUPPORT AT COLUMNS & BEAMS, PROVIDE METAL STAND-OFFS PRIOR TO APPLYING FIREPROOFING. 8. ALL M.E.P. AND I.T. SYSTEMS ARE TO BE CONCEALED WITHIN WALL OR
- CEILING CAVITY, U.N.O. 9. ALL INTERIOR PARTITIONS ARE TYPE **N3A** U.N.O. SEE T002 FOR PARTITION TYPES.
- 11. SEE SHEET A002 FOR PARTITION TYPES. 12. DIMENSIONS ARE TO FINISHED FACE OF PARTITION TYPE AS DEFINED ON SHEET A002. FINISH TYPES (TILE, WOOD PANELING, WAINSCOT, WALL
- COVERINGS, ETC.) ARE NOT INCLUDED. 13. SEE ELEVATON SHEETS A300 FOR EXTERIOR FRAME TYPE TAGS. SEE
- A800 SERIES FOR FRAMES TYPES. 14. SEE PLANS & INTERIOR ELEVATION SHEETS A700's FOR INTERIOR FRAME TYPE TAGS. SEE A800 SHEETS FOR FRAME TYPES.

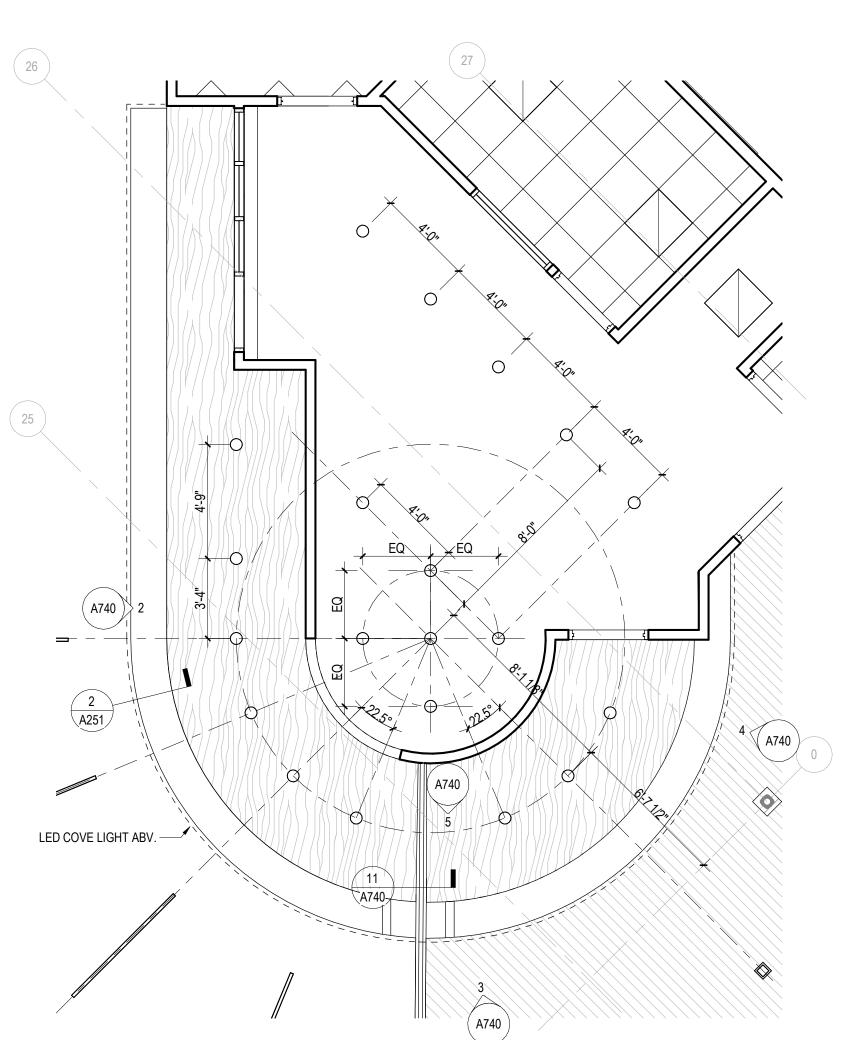
**ENLARGED TOILET** PLANS & ELEVATIONS

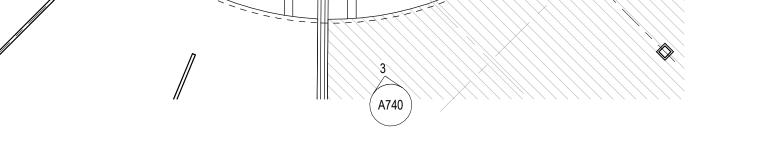
ISSUES AND REVISIONS

SCHEMATIC DESIGN

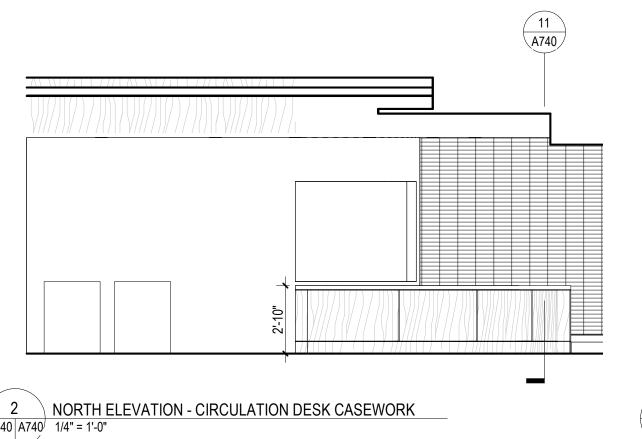
NO. SUBMITTAL

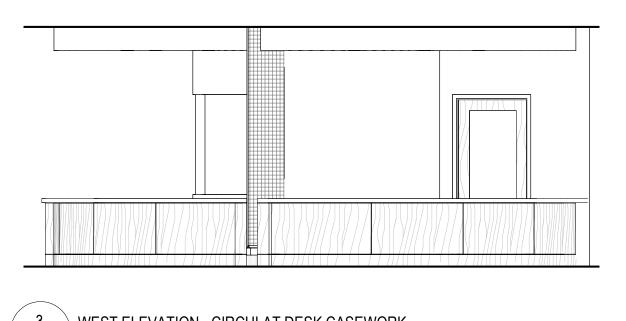
DESIGN DEVELOPMENT
07.09.2021

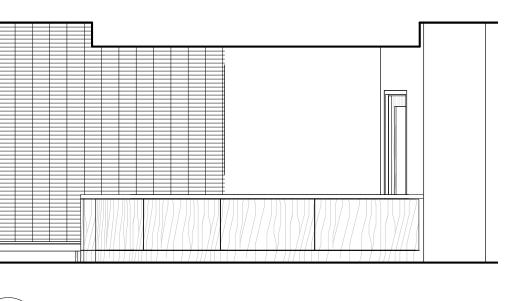


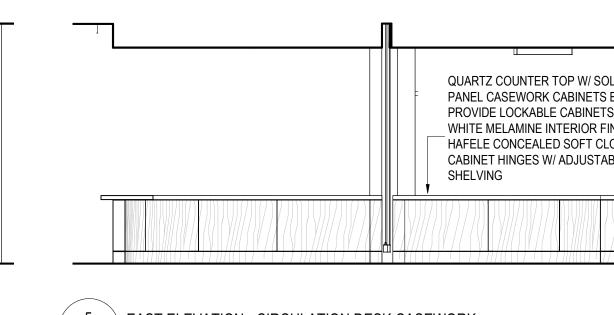


6 CIRCULATION DESK - ENLARGED RCP
A740 1/4" = 1'-0"









SOLID WOOD NOSE – AT TOP OF BENCH

BANQUETTE EDGE, – BEYOND.

BLOCKING -AS REQ'D.

UPHOLSTERED

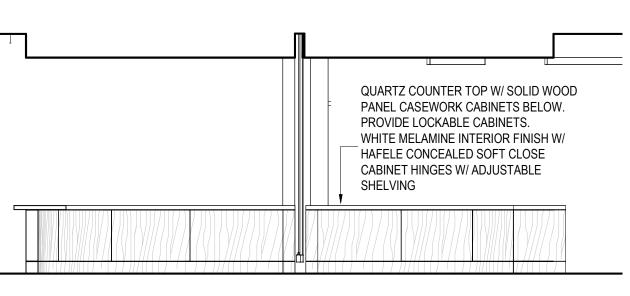
**CUSHION BY OTHERS** 

SOLID WOOD NOSING -

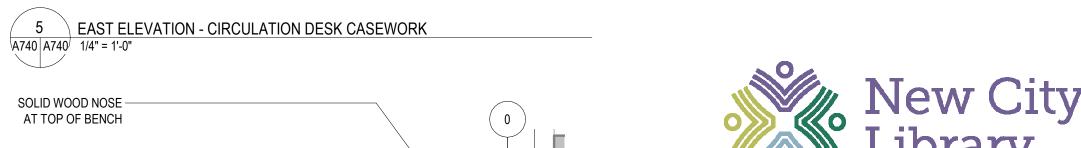
FRAMING AS REQ'D. CONCEALED FASTENERS, TYP =

BLOCKING AS REQ'D.

SOLID WOOD TOE-KICK.







New City Library

#### New City Library Addition & Renovation

220 North Main Street New City, NY 10956

Client Project Number

Drawn By

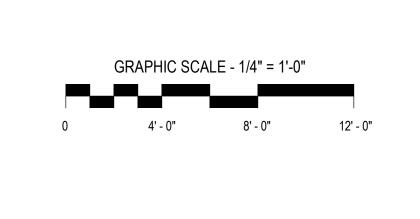
VMDO Project Number

Author

DATE

03.05.2021

9 SECTION @ MAIN LEVEL BENCH A740 A740 1 1/2" = 1'-0" Checker Checked By

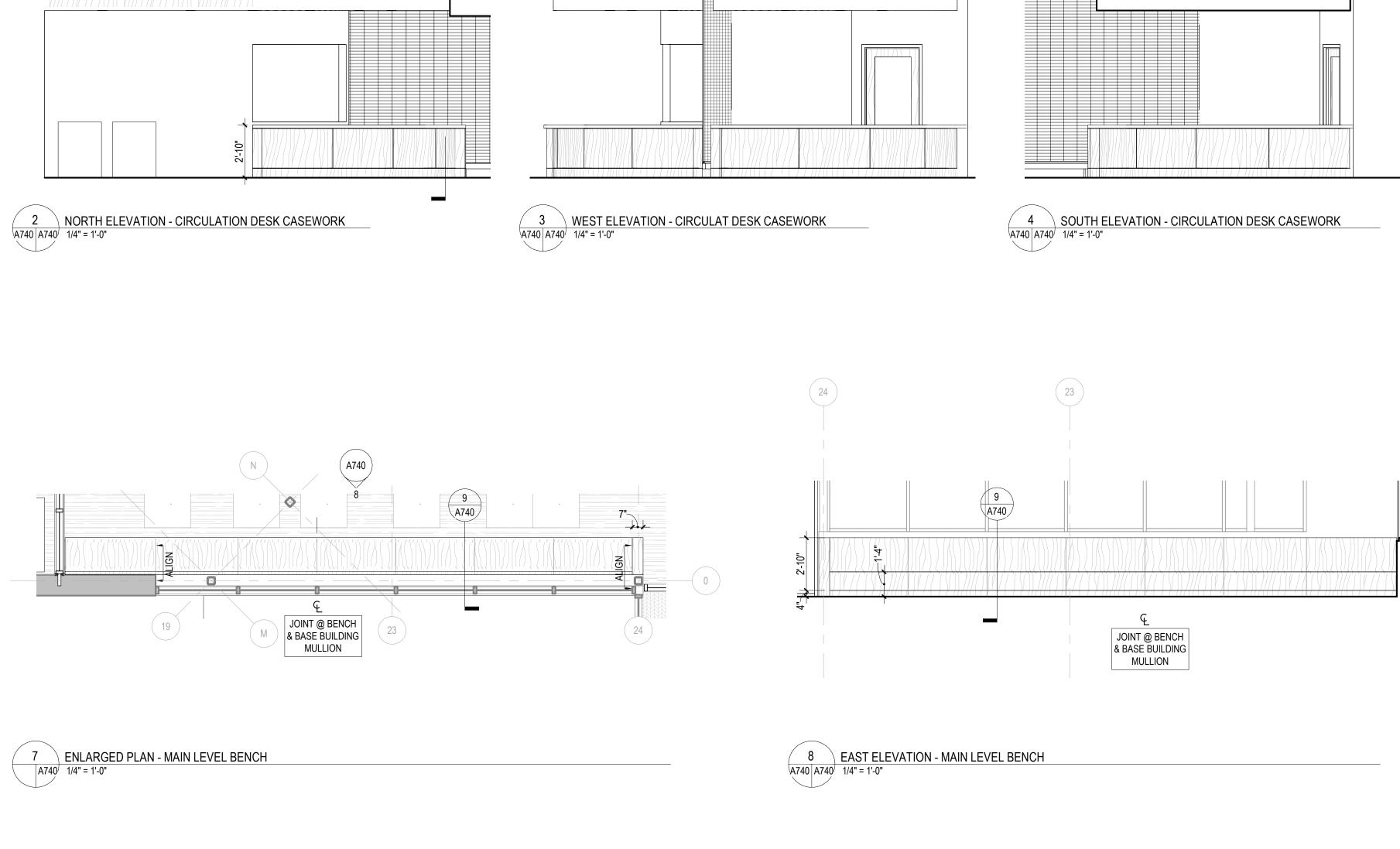


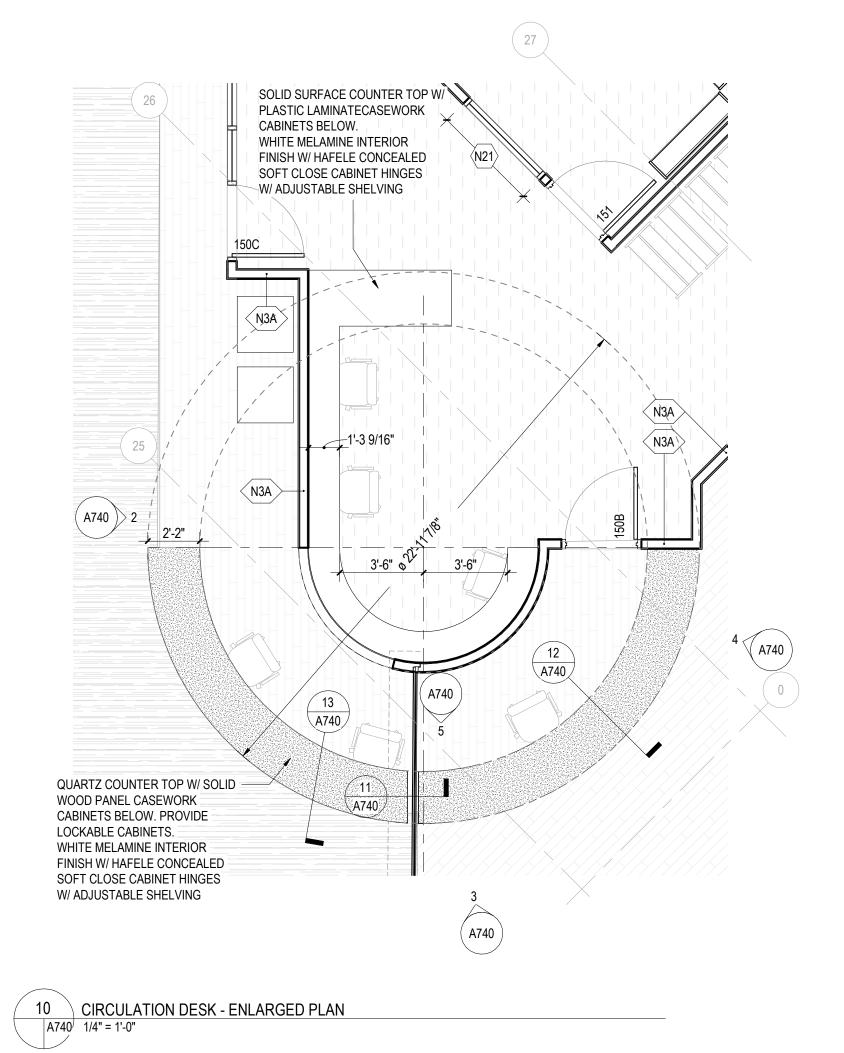
ISSUES AND REVISIONS NO. SUBMITTAL

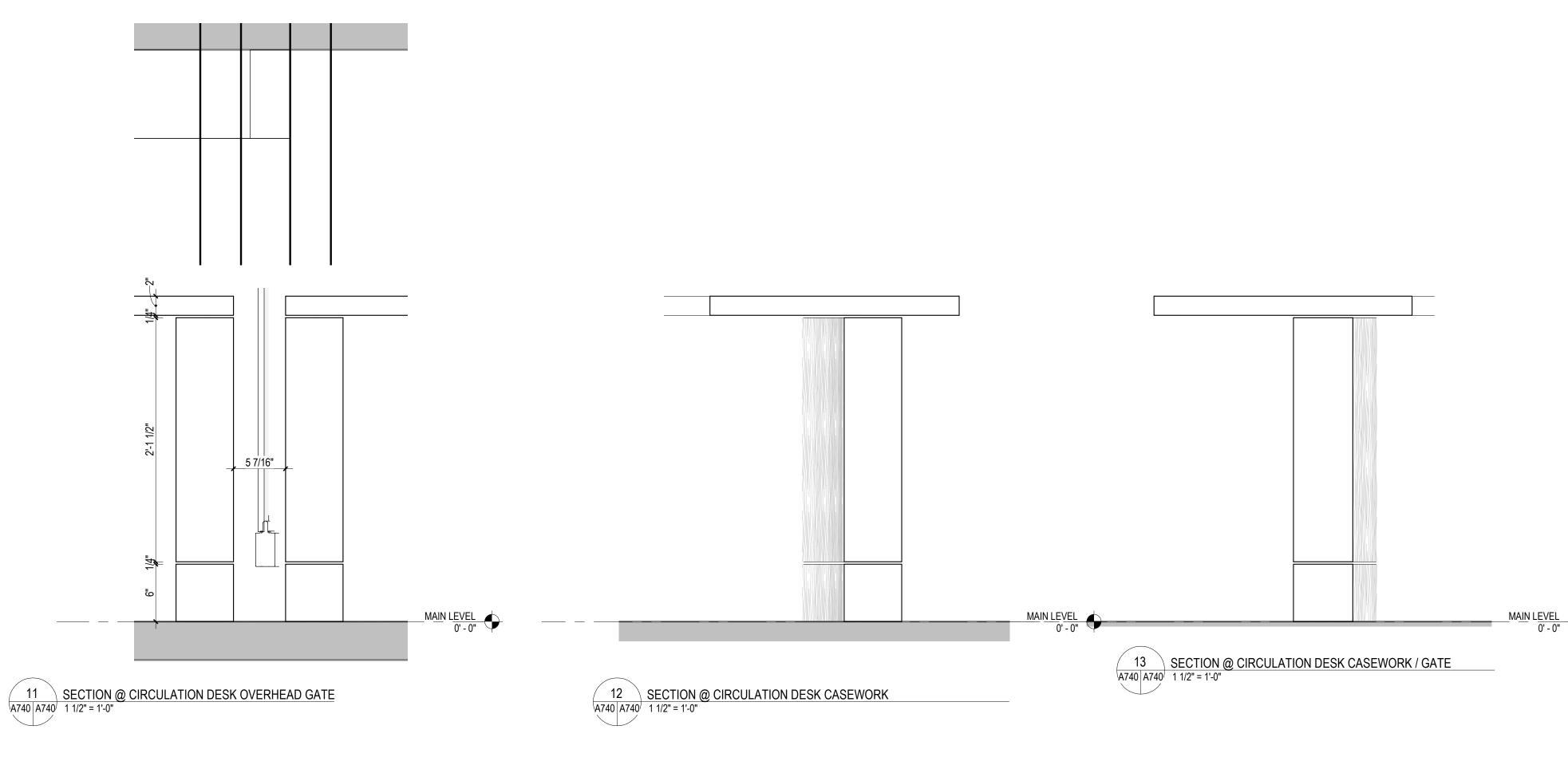
SCHEMATIC DESIGN

MILLWORK ENLARGED PLANS & INTERIOR **ELEVATIONS** 

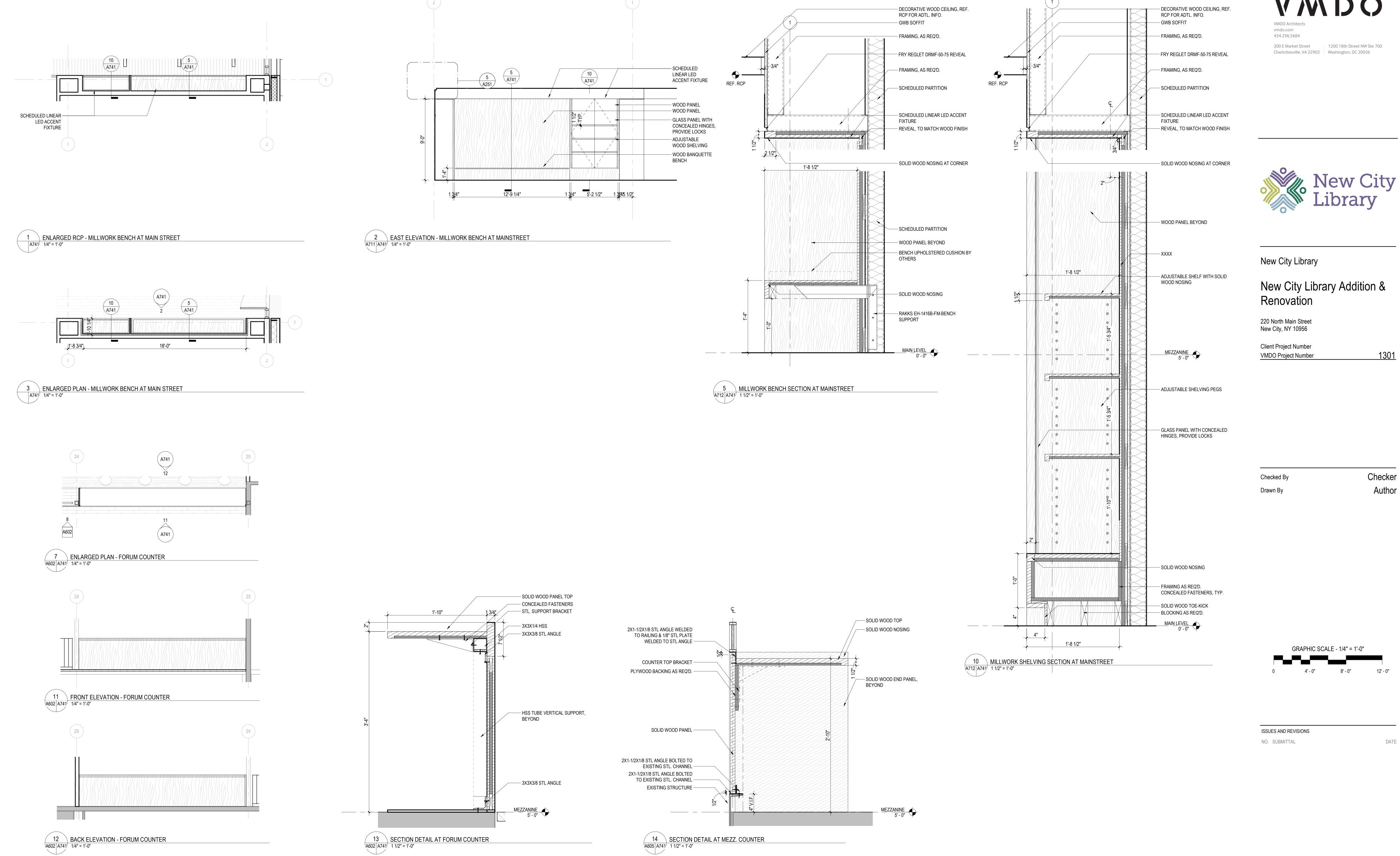
A740 DESIGN DEVELOPMENT
07.09.2021







KEYNOTES



VMDO

New City Library Addition &

MILLWORK ENLARGED PLANS & INTERIOR **ELEVATIONS** 

A741 DESIGN DEVELOPMENT
07.09.2021

- ALL DOORS SHALL BE 1-3/4" THICK UNLESS NOTED OTHERWISE.
   ALL INTERIOR DOORS SHALL BE UNDERCUT 3/4" A.F.F. UNLESS NOTED
- 3. ALL HOLLOW METAL DOOR FRAMES IN MASONRY SHALL BE GROUTED
- 4. REFER TO THE FLOOR PLANS FOR EXACT LOCATIONS OF DOORS AND DIRECTION OF DOOR SWINGS.
- 5. SEE EXTERIOR ELEVATIONS FOR EXTERIOR FRAME TYPES. 6. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION. 7. DIMENSIONS SHOWN ARE NOMINAL AND/OR ROUGH OPENINGS,
- CONTRACTOR TO ACCOUNT FOR JOINTS, SHIMS, SEALANT, ETC. 8. ALL INTERIOR DOORS TO BE GLAZED WITH TEMPERED GLASS U.N.O. 9. ALL EXTERIOR DOORS TO BE GLAZED WITH INSULATED TEMPERED GLASS U.N.O.



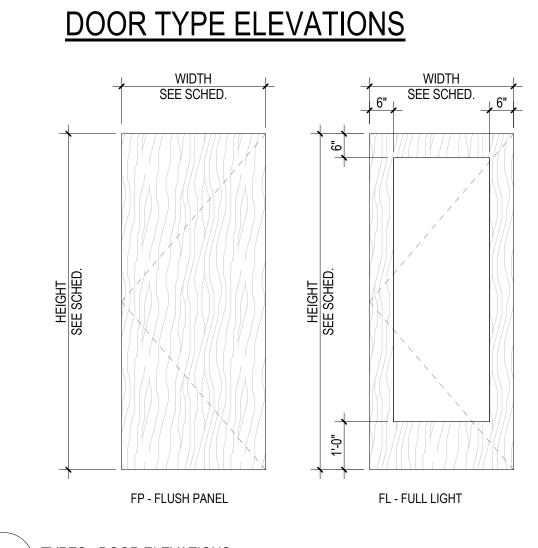
	OPEN	NG			DOOR		OOR S	FRAME		ASSEMBLY	
DR.								MATERIA			
10.	· ·	H HE		ELEV.	MATERIAL	FINISH	ELEV.	L	FINISH	FIRE RTG.	REMARKS/NOTES
010 10H	3' - 0" 3' - 0"			FL FL	WD WD	CLR.		HM HM	PNTD.		
)11	(2) 3' - 0"		-	FP	WD	CLR.	1	HM	PNTD.		
11A	3' - 0"			DL	WD	CLR.		HM	PNTD.		
)12	(2) 3' - 0"			FP	WD	CLR.	1	HM	PNTD.		
)15	3' - 0"	7'	- 0"	FP	WD	CLR.	I	HM	PNTD.		
16	3' - 0"	7'	- 0"	FP	WD	CLR.	I	HM	PNTD.		
00A	3' - 0"			FL	AL	SEE SPEC.	SEE ELEV.	AL	CLR. ANOD.		
00B	(2) 3' - 3 1			SEE ELEV.	SEE SPEC.	SEE SPEC.	SEE ELEV.	SEE SPEC.	SEE SPEC.		AUTOMATIC SLIDING DOOR
100C	(2) 3' - 3 1			SEE ELEV.	SEE SPEC.	SEE SPEC.	SEE ELEV.	SEE SPEC.	SEE SPEC.		AUTOMATIC SLIDING DOOR
110	(2) 3' - 0"			FL	WD	CLR.	SEE ELEV.	AL	CLR. ANOD.		
120 122	(2) 3' - 0"			FL FP	WD WD	CLR.	SEE ELEV.	AL HM	CLR. ANOD. PNTD.		
122	3' - 0"			FP	WD	CLR.	1	HM	PNTD.		
129	3' - 0"			FP	HM	PNTD.	1	HM	PNTD.		
130A	3' - 0"			FL	WD	CLR.	SEE ELEV.	AL	CLR. ANOD.		ACOUSTIC GASKETING
130B	(2) 2' - 11'			FL	WD	CLR.	SEE ELEV.	AL	CLR. ANOD.		ACOUSTIC GASKETING
131	(2) 3' - 0"			FP	WD	CLR.	<u>I</u>	НМ	PNTD.		
40	(2) 3' - 0"	7'	- 0"	FP	WD	CLR.	I	НМ	PNTD.		
40A	(2) 3' - 0"			FP	WD	CLR.	I	НМ	PNTD.		ACOUSTIC GASKETING
11A	3' - 0"		-	FP	WD	CLR.		HM	PNTD.		
141B	3' - 0"			FP	WD	CLR.		HM	PNTD.		ACOUSTIC GASKETING
142	(2) 3' - 0"			FP	WD	CLR.		HM	PNTD.		
50A 50B	3' - 0" 3' - 0"			FL FL	WD WD	CLR.	1	HM HM	PNTD.		
60C	3' - 0"			FL	WD	CLR.	SEE ELEV.	AL	CLR. ANOD.		
151	3' - 0"			FL	WD	CLR.	I	HM	PNTD.		ACOUSTIC GASKETING
52	3' - 0"			FP	WD	CLR.	SEE ELEV.	AL	CLR. ANOD.		
53A	3' - 0"	7'	- 0"	FP	WD	CLR.	1	НМ	PNTD.		ACOUSTIC GASKETING
3B	3' - 0"	7'	- 0"	FL	WD	CLR.	I	HM	PNTD.		ACOUSTIC GASKETING
154	3' - 0"			FL	WD	CLR.	SEE ELEV.	AL	CLR. ANOD.		ACOUSTIC GASKETING
154A	3' - 0"			FP	WD	CLR.	1	HM	PNTD.	90 MIN.	
155A	3' - 0"			FL	WD	CLR.		HM	PNTD.		ACOUSTIC GASKETING
156	3' - 0"			FL	WD	CLR.	SEE ELEV.	AL	CLR. ANOD.		ACOUSTIC GASKETING
156A 156B	3' - 0" 3' - 0"			FL FL	WD WD	CLR.	1	HM HM	PNTD.		ACOUSTIC CASKETING
56H	3 - 0"			FL	WD	CLR.	1	HM	PNTD.		ACOUSTIC GASKETING
57	3' - 0"			FL	WD	CLR.		HM	PNTD.		ACOUSTIC GASKETING
57A	3' - 0"			FP	WD	CLR.	1	HM	PNTD.		, 10000110 O/10NE11110
161	3' - 0"			FP	HM	PNTD.	1	HM	PNTD.		
61A	3' - 0"			FL	WD	CLR.	1	НМ	PNTD.		
61B	3' - 0"			FL	WD	CLR.	I	НМ	PNTD.		
162	3' - 0 1			AG	WD	CLR.	SEE ELEV.	AL	CLR. ANOD.		
163	3' - 0"			AG	WD	CLR.	SEE ELEV.	AL	CLR. ANOD.		
164	3' - 0"			AG	WD	CLR.	SEE ELEV.	AL	CLR. ANOD.		
165 166	3' - 0" 3' - 0"			AG	WD	CLR.	SEE ELEV.	AL	CLR. ANOD.		
166 66A	3' - 0"			FL FP	WD WD	CLR.	SEE ELEV.	AL HM	CLR. ANOD. PNTD.		
66B	3' - 0"			FL	AL	SEE SPEC.	SEE ELEV.	AL	CLR. ANOD.		
192	(2) 3' - 0"			FL	AL	SEE SPEC.	SEE ELEV.	AL	CLR. ANOD.		
01	3' - 0"			FL	WD	CLR.	SEE ELEV.	AL	CLR. ANOD.		ACOUSTIC GASKETING
01A	3' - 0"			FP	WD	CLR.		HM	PNTD.		2.2.2.1.2.2.1.3.1.3.1.3.1.3.1.3.1.3.1.3.
202	3' - 0"	8'	' <b>-</b> 1"	FL	WD	CLR.	SEE ELEV.	AL	CLR. ANOD.		
G100	(2) 8' - 3"		)' - 3"	-	SEE SPEC.	SEE SPEC.	-	SEE SPEC.	SEE SPEC.		OVERHEAD COILING GRILLE
J101	3' - 0"			FL	WD	CLR.	I	HM	PNTD.		
001	3' - 0"			FP	WD	CLR.	1	HM	PNTD.		
Γ101	3' - 0"			FP	WD	CLR.	1	HM	PNTD.		
Γ102	3' - 0"			FP	WD	CLR.	1	HM	PNTD.		
Γ103 Γ120	3' - 0" 3' - 0"			FP FP	WD WD	CLR.	1	HM HM	PNTD.		ACOUSTIC GASKETING
120	3' - 0"			FP	WD	CLR.	1	HM	PNTD.		ACOUSTIC GASKETING  ACOUSTIC GASKETING

#### New City Library Addition & Renovation

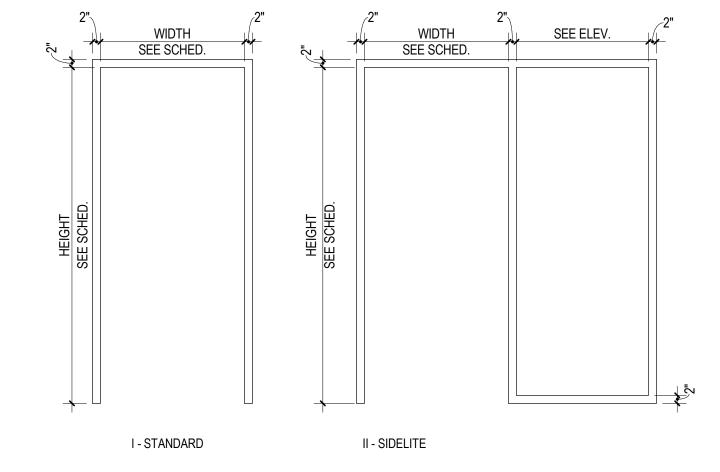
220 North Main Street New City, NY 10956

Client Project Number VMDO Project Number

Checker Checked By Author Drawn By



INTERIOR FRAME TYPE ELEVATIONS



TYPES - INTERIOR FRAME ELEVATIONS
1/2" = 1'-0"

ISSUES AND REVISIONS

SCHEMATIC DESIGN

NO. SUBMITTAL 03.05.2021

DOOR SCHEDULE & HARDWARE SCHEDULE







#### New City Library Addition & Renovation

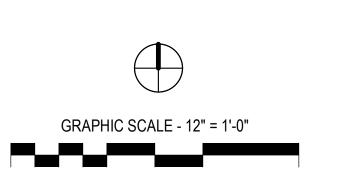
220 North Main Street New City, NY 10956

Client Project Number

VMDO Project Number

Checked By

Checker



ISSUES AND REVISIONS

SCHEMATIC DESIGN

#### INTERIOR FRAME TYPE ELEVATIONS

**DOOR TYPE ELEVATIONS** 

FP - FLUSH PANEL

FL - FULL LIGHT

PLACE GENERAL NOTES IN THIS AREA.

VISUALLY ALIGN TO TOP LEFT CORNER. W

USE THE "NO TITLE" WEWPORT TYPE.

PIN GENERAL NOTES AFTER PLACEMENT.

TYPES - INTERIOR FRAME ELEVATIONS
1/2" = 1'-0"

PLACE KEYNOTES IN THIS AREA. ALIGN TEXT BOX TO TOP LEFT CORNER. PIN KEYNOTES AFTER PLACEMENT. FILTER KEYNOTES BY SHEET.

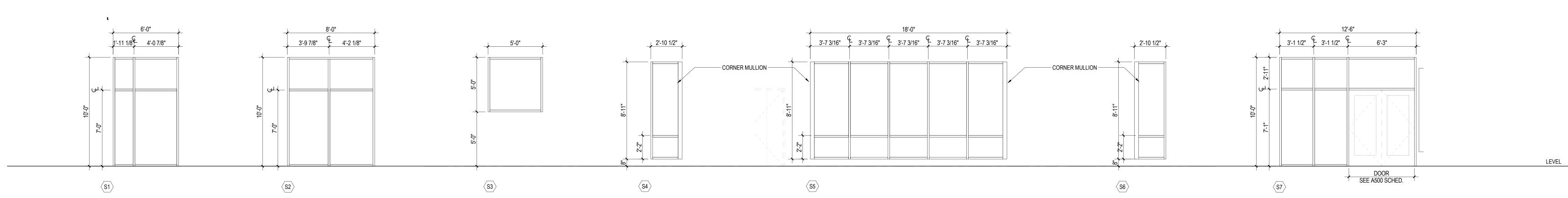
ALIGN TO TOP LEFT CORNER. USE THE "NO TITLE" VIEWPORT TYPE.

PIN LEGENDS AFTER PLACEMENT.

PLACE LEGENDS IN THIS AREA.

**DOOR TYPES & HOLLOW** METAL FRAME TYPES

DESIGN DEVELOPMENT
07.09.2021







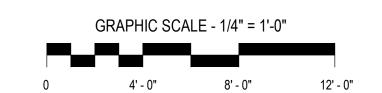
#### New City Library Addition & Renovation

220 North Main Street New City, NY 10956

Client Project Number

VMDO Project Number

Checker Checked By Drawn By



DATE

03.05.2021

ISSUES AND REVISIONS

NO. SUBMITTAL SCHEMATIC DESIGN

**EXTERIOR FRAME TYPES** 

DESIGN DEVELOPMENT
07.09.2021

#### FRAME TYPE GENERAL NOTES

IN ALUMINUM FRAMES.

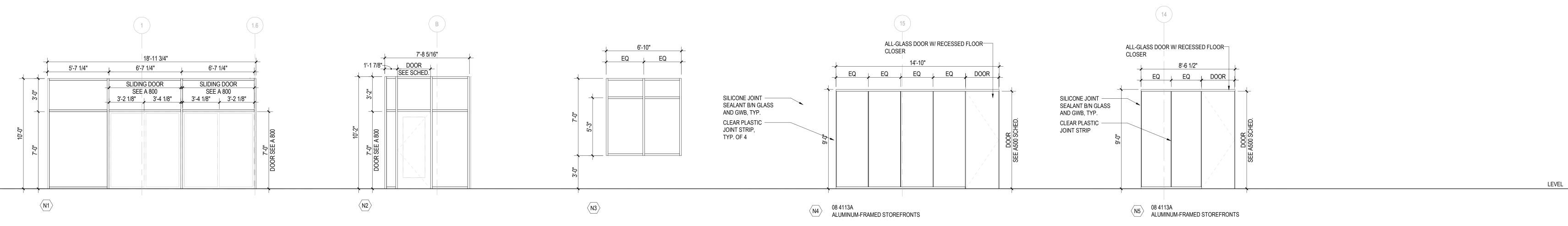
- 1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION. 2. DIMENSIONS SHOWN ARE NOMINAL AND/OR ROUGH OPENINGS. CONTRACTOR TO ACCOUNT FOR
- JOINTS, SHIMS, SEALANT, ETC. 3. CONTRACTOR RESPONSIBLE TO COORDINATE ALL ALUMINUM FRAMES WITH ALL RELEVANT DETAILS DEPICTED THROUGHOUT DRAWINGS. 4. COORDINATE ALL ALUMINUM FRAMES WITH SPECIFICATION REQUIREMENTS, INCLUDING BUT NOT
- LIMITED TO PROVIDING ENGINEERING TO VERIFY REQUIRED WIND LOADING CRITERIA IS MET IN ALL CASES.
- 5. ALUMINUM FRAME DRAWINGS REPRESENT DESIGN INTENT. SHOP DRAWINGS ARE REQUIRED
- PRIOR TO FABRICATION. 6. SOME FRAME TYPES ARE REPEATED AS SIMILAR OR OPPOSITE. SEE ELEVATIONS FOR
- QUANTITIES, LOCATIONS, AND INSTALLATION.
- 7. COORDINATE ALL HARDWARE WITH DOOR SCHEDULE AND SPECIFICATIONS. 8. SEE DOOR SCHEDULE FOR TYPICAL DOOR TYPES, WHICH INCLUDE ALUMINUM DOORS INSTALLED

#### SAFETY GLAZING NOTES

REFER TO THE BUILDING CODE OF NEW YORK STATE (BCNYS 2020, CHAPTER 24) FOR DEFINITION OF "HAZARDOUS LOCATIONS" AND LIST OF LOCATIONS WHERE SAFETY GLAZING IS REQUIRED.

FOR WINDOWS AND DOORS SCHEDULED ON THIS PROJECT, SAFETY GLAZING IS REQUIRED IN HAZARDOUS LOCATIONS THAT MEET ALL OF THE FOLLOWING CRITERIA:

- 1. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SQ. FT. 2. THE EXPOSED BOTTOM EDGE IS LESS THAN 18" ABOVE THE FLOOR.
- 3. THE TOP EDGE IS GREATER THAN 36" ABOVE WALKING SURFACE, AND
- 4. ONE OR MORE WALKING SURFACE(S) ARE WITHIN 36" HORIZONTALLY OF THE PANE OF GLAZING. (EXCEPTION: THE OUTBOARD PANE OF INSULATED GLASS UNITS WHERE THE BOTTOM EDGE OF GLASS IS 25' OR MORE ABOVE GRADE, ROOF OR WALKING SURFACE OR OTHER HORIZONTAL OR SLOPED SURFACE.)



CORNER MULLION

N18

N10 ACOUSTIC INTERIOR STOREFRONT

DOOR

N11 ACOUSTIC INTERIOR STOREFRONT





New City Library

### New City Library Addition & Renovation

220 North Main Street New City, NY 10956

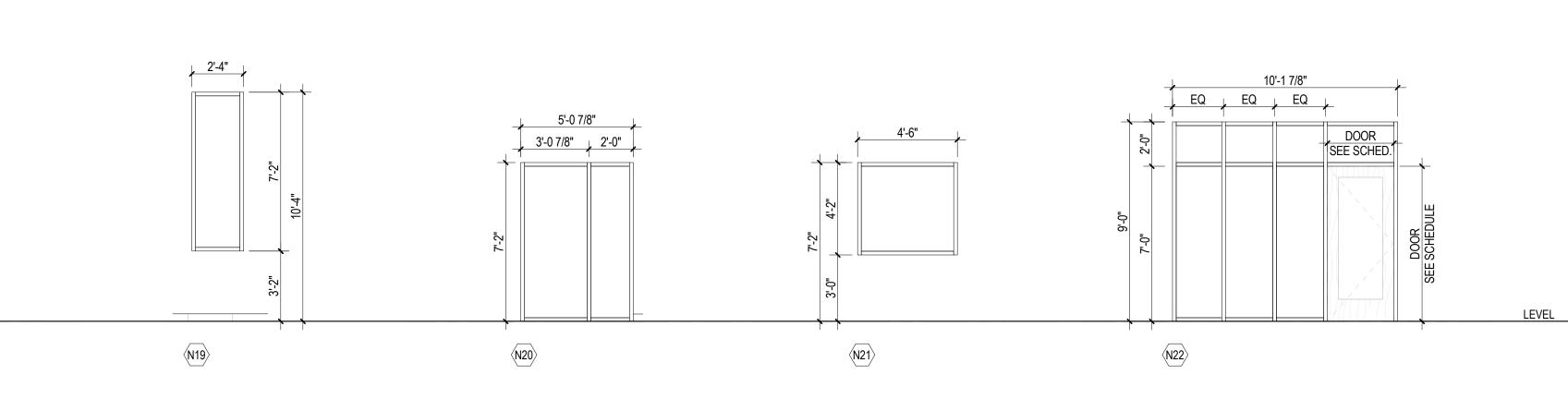
Client Project Number

VMDO Project Number

Checked By Checker

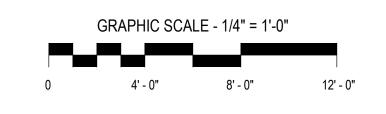
Drawn By

Author



DOOR SEE A500 SCHED. N13

3'-0" DOOR



ISSUES AND REVISIONS

NO. SUBMITTAL

SCHEMATIC DESIGN

SIGN 03.05

#### FRAMETYPE GENERAL NOTES

 $\langle N7 \rangle$ 

- VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION.
   ALL EXTERIOR GLASS IS TYPE GL-05 U.O.N. & ALL INTERIOR GLASS IS TYPE GL-01T U.O.N. SEE SPECIFICATIONS FOR GLASS TYPE DESCRIPTIONS.
- 3. DIMS SHOWN ARE NOMINAL AND/OR ROUGH OPENINGS. CONTRACTOR TO ACCOUNT FOR JOINTS, SHIMS, SEALANT, ETC.
- CONTRACTOR RESPONSIBLE TO COORDINATE ALL ALUMINUM FRAMES WITH ALL RELEVANT DETAILS DEPICTED THROUGHOUT DRAWINGS.
   COORDINATE ALL ALUMINUM FRAMES WITH SPECIFICATION REQUIREMENTS, INCLUDING BUT NOT
- STRUCTURAL DRAWINGS.

  6. ALUMINUM FRAME DRAWINGS REPRESENT DESIGN INTENT. SHOP DRAWINGS ARE REQUIRED PRIOR TO FARRICATION.
- FABRICATION.
  7. SOME FRAME TYPES MAY BE REPEATED AS SIMILAR OR OPPOSITE HAND. SEE ELEVATIONS FOR

LIMITED TO PROVIDING ENGINEERING TO VERIFY WIND LOADING CRITERIA IS MET IN ALL CASES. SEE

- QUANTITIES, LOCATIONS, AND INSTALLATION.
  8. COORDINATE ALL HARDWARE WITH DOOR SCHEDULE AND SPECIFICATIONS.
  9. SEE DOOR SCHEDULE FOR TYPICAL DOOR TYPES, WHICH INCLUDE ALUMINUM DOORS INSTALLED IN
- ALUMINUM FRAMES.

  10. FRAMES ARE SET AT MIN. X" OFFSET FROM BACKUP. PROVIDE STRAP ATTACHMENTS AND
- COORDINATE WITH DETAILS FOR AVAILABLE ATTACHMENT LOCATIONS.

  11. SEE RCPS FOR ROLLER SHADE SCOPE.

#### SAFETY GLAZING NOTES

3'-0" DOOR

N9 ACOUSTIC INTERIOR STOREFRONT

REFER TO THE BUILDING CODE OF NEW YORK STATE (BCNYS 2020, CHAPTER 24) FOR DEFINITION OF "HAZARDOUS LOCATIONS" AND LIST OF LOCATIONS WHERE SAFETY GLAZING IS REQUIRED.

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- 1. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SQ. FT.
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- THE TOP EDGE IS GREATER THAN 36" ABOVE WALKING SURFACE, AND
   ONE OR MORE WALKING SURFACE(S) ARE WITHIN 36" HORIZONTALLY OF THE PANE OF GLAZING. (EXCEPTION: THE OUTBOARD PANE OF INSULATED GLASS
- PANE OF GLAZING. (EXCEPTION: THE OUTBOARD PANE OF INSULATED GLASS UNITS WHERE THE BOTTOM EDGE OF GLASS IS 25' OR MORE ABOVE GRADE, ROOF OR WALKING SURFACE OR OTHER HORIZONTAL OR SLOPED SURFACE.)

A821

DESIGN DEVELOPMENT

07.09.2021

INTERIOR FRAME TYPES

					B.O	.D. MATERIAL SCHED	DULE
KEY	KEYNOTE	MANUFACTURER	PRODUCT	FINISH	SIZE	COMMENTS	HYPERLINK
CEILING							
APC-1	09 5113A	Armstrong	Optima Lay-In		24" x 24"		https://www.armstrongceilings.com/commercial/en/commercial-ceilings-walls/optima-lay-in-and-tegular-ceiling-tiles.html
APC-2	09 5113B	Armstrong	Optima Lay-In		24" x 48"		https://www.armstrongceilings.com/commercial/en/commercial-ceilings-walls/optima-lay-in-and-tegular-ceiling-tiles.html
SDG-1	09 5436A	Rulon	Panel Grille	Match WD-1 Floor			https://rulonco.com/products/panel-grille/
FABRIC	WRAPPED PAI	NELS		•		•	
AWP-1		Armstrong	Soundsoak	TBD	SEE ELEV.		https://www.armstrongceilings.com/commercial/en/commercial-ceilings-walls/acoustic-wall-panels/soundsoak-wall-panels.html#bbbh=%7B%22selectedItem%22%3A%7B%22name%22%3A%22browse%22%2C%22itemIndex%22%3Anull%7D%7D
FLOORIN							
CFT-1	09 3000B	Daltile	Linden Point	Grigio	2" x 2"	Straight Joint	https://www.daltile.com/product/Linden-Point?color=Grigio&shape=Straight%20Joint
CPT-1	09 6813A	Tarkett	2nd Power	Ironsand	9" x 36"		https://commercial.tarkett.com/en_US/collection-C001002-2ndpower?backing=ethos%C2%AE%20Modular%20with%20Omnicoat%20Technology%E2%84%A2
CPT-2	09 6813B	Tarkett	Aggregate	Urban Shadow	24" x 24"		https://commercial.tarkett.com/en_US/collection-C000783-aggregate?backing=ethos%C2%AE%20Modular%20with%20Omnicoat%20Technology%E2%84%A2
CPT-3	09 6813C	Tarket	Glacial Striae	Coastal Shelf	24" x 24"		https://commercial.tarkett.com/en_US/collection-C000634-glacial-striae?backing=ethos%C2%AE%20Modular%20with%20Omnicoat%20Technology%E2%84%A2
CPT-4	09 6813D	Tarkett	Resonate	Bay View	9" x 36"		https://commercial.tarkett.com/en_US/collection-C001589-resonate?backing=ethos%C2%AE%20Modular%20with%20Omnicoat%20Technology%E2%84%A2
CPT-5	09 6813E	Tarkett	Abrasive Action	Asphalt	Roll		https://commercial.tarkett.com/en_US/collection-C000580-abrasive-action-ii?backing=ethos%C2%AE%20Modular%20with%20Omnicoat%20Technology%E2%84%A2
CPT-6	09 6813F	J+J Flooring	Kinetix	Timber	12" x 48"		https://www.jjflooringgroup.com/product/timber-demi-plank/
RES-1	09 6543A	Forbo	Marmoleum Modular Tiles	White wash	39.4" x 9.8"		https://www.forbo.com/flooring/en-us/products/marmoleum/marmoleum-modular-tiles/marmoleum-modular/bd0cmw
SC-1	03 3000A					Sealed Concrete	
WD-1	09 6400A	Armstrong	Rigid Core	Oasis	9" x 60"	Engineered wood flooring	https://www.armstrongflooring.com/commercial/en-us/products/rigid-core/rest-refuge/item/ARR01.html
PAINT							
PNT-1	09 9123A	Sherwin Williams		Field Color - TBD			
PNT-2	09 9123B	Sherwin Williams		Accent Color - TBD			
PNT-3	09 9123A	Sherwin Williams		Accent Color - TBD			
SOLID S	URFACE						
SS-1	12 3600A	Corian		White (TBD)		Solid Surface for window stools	https://www.corian.com/?src=globalnav
SS-2	12 3600B	Corian		Rain Streak		Solid Surface for toilet room countertops and sinks	https://www.corian.com/?src=globalnav
SS-3	12 3600C	Wilsonart	Quartz	Tellaro		Quartz agglomerate countertop	https://www.wilsonart.com/tellaro-q4025
WALL BA							
RUB-1	09 9123A	Nora		TBD			
	OVERING	T					
WC-1	09 7200A	Knoll	Alias II Backed	Greyhound			https://www.knoll.com/knolltextileproductdetail/Alias+II+Backed
WALL TII							
CWT-1	09 3000A	Daltile	Linden Point	Grigio	12" x 24"		https://www.daltile.com/product/Linden-Point?color=Grigio&shape=Straight%20Joint

001A         INT           001B         AU           001C         LO           002         ME           010         RE           010A         STO           010B         STO           010B         STO           010B         STO           011B         RR           011A         STO           012A         STO           014         STO           015         STO           016         UN           017         CA           010A         VE           015         STO           016         UN           017         CA           010A         VE           010B         CIF           01C         CH           01C         CH           01C         CH           01C         CH           01C </th <th>ROOM NAME  JONFICTION NTERNATIONAL, ROMANCE, AUDIO AUDIOBOOKS OWER LEVEL STACKS JECHANICAL RECEIVING ROOM STOR. STORAGE STAFF LOBBY REAK ROOM/ CONFERENCE STORAGE STOR</th> <th>FLOOR  CPT-1 CPT-1 CPT-1 CPT-1 ETR CPT-1 CPT-1 CPT-1 CPT-1 RES-1 RES-1 RES-1 ETR ETR ETR ETR ETR ETR ETR ETR ETR ETR</th> <th>RUB-1 RUB-1 ETR ETR ETR ETR RUB-1 ETR ETR UNFINISHED RUB-1</th> <th>WALL FINISH  PNT-1, PNT-3 PNT-1, PNT-3 PNT-1, PNT-3 PNT-1, PNT-3 ETR PNT-1 PNT-1 PNT-1 PNT-1 PNT-1 PNT-1 ETR ETR ETR PNT-1 ETR ETR UNFINISHED</th> <th>CEILING FINISH  APC-2 APC-2 APC-2 APC-2 ETR APC-1 APC-1 APC-1 APC-1 APC-1 ETR ETR ETR ETR ETR ETR</th> <th>Comments</th>	ROOM NAME  JONFICTION NTERNATIONAL, ROMANCE, AUDIO AUDIOBOOKS OWER LEVEL STACKS JECHANICAL RECEIVING ROOM STOR. STORAGE STAFF LOBBY REAK ROOM/ CONFERENCE STORAGE STOR	FLOOR  CPT-1 CPT-1 CPT-1 CPT-1 ETR CPT-1 CPT-1 CPT-1 CPT-1 RES-1 RES-1 RES-1 ETR	RUB-1 ETR ETR ETR ETR RUB-1 ETR ETR UNFINISHED RUB-1	WALL FINISH  PNT-1, PNT-3 PNT-1, PNT-3 PNT-1, PNT-3 PNT-1, PNT-3 ETR PNT-1 PNT-1 PNT-1 PNT-1 PNT-1 PNT-1 ETR ETR ETR PNT-1 ETR ETR UNFINISHED	CEILING FINISH  APC-2 APC-2 APC-2 APC-2 ETR APC-1 APC-1 APC-1 APC-1 APC-1 ETR ETR ETR ETR ETR ETR	Comments
001A         INT           001B         AU           001C         LO           002         ME           010         RE           010A         STO           010B         STO           010B         STO           010B         STO           011B         RR           011A         STO           012A         STO           014A         STO           015         STO           016         UN           100         LO           100A         VE           100B         CIF           110A         BO           12O         CH           12O         CH           12O         CH           12O         CH           12O         CH           1	NTERNATIONAL, ROMANCE, AUDIO NUDIOBOOKS OWER LEVEL STACKS MECHANICAL RECEIVING ROOM STOR. STORAGE STAFF LOBBY REAK ROOM/ CONFERENCE STORAGE ST	CPT-1 CPT-1 CPT-1 ETR CPT-1 CPT-1 CPT-1 RES-1 RES-1 RES-1 ETR	RUB-1 RUB-1 RUB-1 ETR RUB-1 RUB-1 RUB-1 RUB-1 RUB-1 RUB-1 ETR	PNT-1, PNT-3 PNT-1, PNT-3 PNT-1, PNT-3 ETR PNT-1 PNT-1 PNT-1 PNT-1 PNT-1 PNT-1 ETR ETR ETR PNT-1 ETR ETR ETR ETR ETR ETR ETR	APC-2 APC-2 APC-2 ETR APC-1 APC-1 APC-1 APC-1 APC-1 APC-1 ETR ETR ETR ETR ETR ETR ETR	
001A         INT           001B         AU           001C         LO           002         ME           010         RE           010A         STO           010B         STO           010B         STO           010B         STO           011B         RR           011A         STO           012A         STO           014A         STO           015         STO           016         UN           100         LO           100A         VE           100B         CIF           110A         BO           12O         CH           12O         CH           12O         CH           12O         CH           12O         CH           1	NTERNATIONAL, ROMANCE, AUDIO NUDIOBOOKS OWER LEVEL STACKS MECHANICAL RECEIVING ROOM STOR. STORAGE STAFF LOBBY REAK ROOM/ CONFERENCE STORAGE ST	CPT-1 CPT-1 CPT-1 ETR CPT-1 CPT-1 CPT-1 RES-1 RES-1 RES-1 ETR	RUB-1 RUB-1 RUB-1 ETR RUB-1 RUB-1 RUB-1 RUB-1 RUB-1 RUB-1 ETR	PNT-1, PNT-3 PNT-1, PNT-3 PNT-1, PNT-3 ETR PNT-1 PNT-1 PNT-1 PNT-1 PNT-1 PNT-1 ETR ETR ETR PNT-1 ETR ETR ETR ETR ETR ETR ETR	APC-2 APC-2 APC-2 ETR APC-1 APC-1 APC-1 APC-1 APC-1 APC-1 ETR ETR ETR ETR ETR ETR ETR	
001C         LO'           002         ME           010         RE           010A         STO           010B         STO           010H         STO           011A         STO           012         STO           012A         STO           012A         STO           013A         ELE           014A         STO           015         STO           015         STO           015         STO           015         STO           016         UN           100         LOI           100A         VE           101B         CN           101C         CN           101A         STO           101B         CN           101C         CN           101B         CN           101C         CN           101B         CN           101B         CN           101B         CN           101B         CN           101B         CN           101B         CN           101D         CN           101	OWER LEVEL STACKS MECHANICAL RECEIVING ROOM STOR. STORAGE STAFF LOBBY BREAK ROOM/ CONFERENCE STORAGE S	CPT-1 ETR CPT-1 CPT-1 CPT-1 RES-1 RES-1 RES-1 ETR	RUB-1 ETR RUB-1 RUB-1 RUB-1 RUB-1 RUB-1 RUB-1 ETR	PNT-1, PNT-3 ETR PNT-1 PNT-1 PNT-1 PNT-1 PNT-1, PNT-3 PNT-1 ETR ETR PNT-1 ETR	APC-2 ETR APC-1 APC-1 APC-1 APC-1 APC-1 APC-1 APC-1 ETR ETR ETR APC-1 ETR ETR ETR	
002 ME 010 RE 01	MECHANICAL RECEIVING ROOM STOR. STORAGE STAFF LOBBY REAK ROOM/ CONFERENCE STORAGE STOR	ETR CPT-1 CPT-1 CPT-1 RES-1 RES-1 RES-1 ETR	ETR RUB-1 RUB-1 RUB-1 RUB-1 RUB-1 RUB-1 ETR ETR RUB-1 ETR	ETR PNT-1 PNT-1 PNT-1 PNT-1 PNT-1, PNT-3 PNT-1 ETR ETR PNT-1 ETR ETR ETR ETR ETR ETR ETR ETR	ETR APC-1 APC-1 APC-1 APC-1 APC-1 APC-1 ETR ETR ETR APC-1 ETR ETR ETR ETR ETR	
010         RE           010A         STO           010B         STO           010H         STO           010H         STO           011A         STO           012         STO           012A         STO           012A         STO           013         ELE           014         STO           015         STO           015         STO           016         UN           100         LOI           100A         VE           100B         CIF           100H         MA           110O         CA           110A         BO           120         CH           120A         STO           121         CH           122         HE           123         STO           140         ME           140         ME           140         ME           140         ME           150         CIF           151         HE           152         HE           153         AD           154A	RECEIVING ROOM STOR. STORAGE STAFF LOBBY BREAK ROOM/ CONFERENCE STORAGE STORAG	CPT-1 CPT-1 CPT-1 RES-1 RES-1 RES-1 ETR	RUB-1 RUB-1 RUB-1 RUB-1 RUB-1 RUB-1 ETR	PNT-1 PNT-1 PNT-1 PNT-1 PNT-1, PNT-3 PNT-1 ETR ETR PNT-1 ETR ETR ETR ETR ETR ETR ETR	APC-1 APC-1 APC-1 APC-1 APC-1 APC-1 ETR ETR APC-1 ETR ETR APC-1 ETR ETR	
010A         STO           010B         STO           010H         STO           0111         BR           0112         STO           012A         STO           012A         STO           012A         STO           012A         STO           013         ELE           014         STO           015         STO           016         UN           100         LOI           100A         VES           100B         CIF           101H         MA           110O         CA           110A         BO           120         CH           120A         STO           121         CH           122         HE           123         STO           140         ME           140         ME           140         ME           150         CIF           151         HE           152         HE           153         AD           154         LIT           156         AD           156	STOR. STORAGE STAFF LOBBY BREAK ROOM/ CONFERENCE STORAGE STORA	CPT-1 CPT-1 RES-1 RES-1 RES-1 ETR ETR RES-1 ETR	RUB-1 RUB-1 RUB-1 RUB-1 RUB-1 ETR ETR RUB-1 ETR	PNT-1 PNT-1 PNT-1, PNT-3 PNT-1 ETR ETR PNT-1 ETR ETR ETR ETR ETR ETR ETR ETR ETR	APC-1 APC-1 APC-1 APC-1 APC-1 ETR ETR APC-1 ETR APC-1 ETR APC-1 ETR ETR	
010B         STO           010H         STO           0111         BR           012         STO           012A         STO           012A         STO           012A         STO           012A         STO           012A         STO           013         ELE           014         STO           015         STO           016         UN           100         LOI           100A         VES           100B         CIF           101H         MA           11O         CA           110A         BO           120         CH           120         CH           120         CH           121         CH           122         HE           1330         CH           141         KIT           142         STO           150         CIF           150         CIF           151         HE           152         HE           153         AD           154         LIT           156	STORAGE STAFF LOBBY SREAK ROOM/ CONFERENCE STORAGE STO	CPT-1 RES-1 RES-1 RES-1 ETR ETR ETR ETR ETR ETR ETR ETR ETR OUNFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1	RUB-1 RUB-1 RUB-1 RUB-1 ETR ETR RUB-1 ETR	PNT-1 PNT-1, PNT-3 PNT-1 ETR ETR PNT-1 ETR ETR PNT-1 ETR ETR ETR ETR ETR	APC-1 APC-1 APC-1 APC-1 ETR ETR APC-1 ETR APC-1 ETR ETR ETR	
010H         ST/O           011         BR           012         ST/O           012A         ST/O           012A         ST/O           013         ELE           014         ST/O           015         ST/O           015         ST/O           015         ST/O           015         ST/O           016         UN           100         LO           100A         VE           100B         CIF           100H         MA           110         CA           110A         BO           120         CH           120         CH           120         CH           121         CH           122         HE           133         ST/O           140         ME           140         ME           140         ME           150         CIF           151         HE           152         HE           153         AD           154A         ST/O           155         CO           156A	STAFF LOBBY  SREAK ROOM/ CONFERENCE STORAGE STORAGE STORAGE STORAGE CORRIDOR SLEVATOR ROOM STORAGE STO	RES-1 RES-1 RES-1 RES-1 ETR ETR ETR ETR ETR ETR ETR ETR ONFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1	RUB-1 RUB-1 RUB-1 ETR ETR RUB-1 ETR	PNT-1 PNT-1, PNT-3 PNT-1 ETR ETR PNT-1 ETR ETR ETR ETR ETR ETR ETR	APC-1 APC-1 APC-1 ETR ETR APC-1 ETR APC-1 ETR ETR	
0111         BR           011A         STO           012A         STO           012H         CO           013         ELE           014         STO           015         STO           016         UN           100         LOI           100A         VES           100B         CIF           101H         MA           11O         CA           110A         BO           120         CH           120A         STO           121         CH           122         HE           123         STO           131         STO           140         ME           140A         SO           141         KIT           142         STO           150         CIF           151         HE           152         HE           153         AD           154         LIT           155         CO           156         AD           156A         DIF           156B         FIN           157	BREAK ROOM/ CONFERENCE BTORAGE BTORAGE BTORAGE BTORAGE BTORAGE BTORAGE BLEVATOR ROOM BTORAGE BTORAGE BXIT CORRIDOR BINFINISHED BOBBY BY	RES-1 RES-1 RES-1 ETR ETR RES-1 ETR ETR ETR ETR ETR CHARACTER ETR UNFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1	RUB-1 RUB-1 ETR ETR RUB-1 ETR ETR ETR ETR ETR ETR ETR ETR ETR UNFINISHED RUB-1	PNT-1, PNT-3 PNT-1 ETR ETR PNT-1 ETR ETR ETR ETR ETR ETR	APC-1 APC-1 ETR ETR APC-1 ETR APC-1 ETR ETR ETR	
011A         STO           012         STO           012A         STO           012H         CO           013         ELE           015         STO           015         STO           015         STO           016         UN           100         LOI           100A         VES           100B         CIF           101H         MA           110         CA           110A         BO           120         CH           120A         STO           121         CH           122         HE           1330         CH           141         KIT           140         ME           140         ME           140         ME           150         CIF           151         HE           152         HE           153         AD           154         LIT           156         AD           156         AD           156         AD           156         AD           156 <td< td=""><td>STORAGE STORAGE STORAG</td><td>RES-1 ETR ETR RES-1 ETR ETR ETR ETR ETR UNFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1</td><td>RUB-1 ETR ETR RUB-1 ETR ETR ETR ETR ETR ETR ETR ETR ETR UNFINISHED RUB-1</td><td>PNT-1 ETR ETR PNT-1 ETR ETR ETR ETR ETR ETR</td><td>APC-1 ETR ETR APC-1 ETR ETR ETR ETR</td><td></td></td<>	STORAGE STORAG	RES-1 ETR ETR RES-1 ETR ETR ETR ETR ETR UNFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1	RUB-1 ETR ETR RUB-1 ETR ETR ETR ETR ETR ETR ETR ETR ETR UNFINISHED RUB-1	PNT-1 ETR ETR PNT-1 ETR ETR ETR ETR ETR ETR	APC-1 ETR ETR APC-1 ETR ETR ETR ETR	
012         STO           012A         STO           012H         CO           013         ELE           014         STO           015         STO           015H         EX           016 UN         UN           100 LOI         100A           100B         CIF           101H         MA           110 CA         110A           120 CH         120A           121 CH         122           122 HE         123           130 CH         131           140 ME         140A           140 ME         140A           150 CIF         155           150 CIF         155           153 AD         154           154 LIT         155           155 CO         156           156A DIF         156           156B FIN         156A           157 TE         157A           157A IT         160           163 GR         164           165 GR         166	STORAGE STORAGE STORAGE CORRIDOR SLEVATOR ROOM STORAGE	ETR ETR RES-1 ETR ETR ETR ETR ETR UNFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1	ETR ETR RUB-1 ETR ETR ETR ETR ETR UNFINISHED RUB-1	PNT-1 ETR ETR PNT-1 ETR ETR ETR ETR ETR ETR	APC-1 ETR ETR APC-1 ETR ETR ETR ETR	
012A         STO           012H         CO           013         ELE           015         STO           015         STO           016         UN           100         LOI           100A         VES           100B         CIF           101H         MA           110         CA           110A         BO           120         CH           120A         STO           121         CH           122         HE           123         STO           131         STO           140         ME           140A         SO           141         KIT           142         STO           150         CIF           150         CIF           151         HE           152         HE           153         AD           154         LIT           156         AD           156         AD           156         AD           156         AD           157         TE           157 <td< td=""><td>STORAGE CORRIDOR ELEVATOR ROOM STORAGE STORAGE EXIT CORRIDOR JUNFINISHED OBBY VESTIBULE CIRCULATION DESK MAIN STREET CAFE/EVENT BOOK DROP CHILDREN'S LIBRARY STAIR ACCESS</td><td>ETR RES-1 ETR ETR ETR ETR UNFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1</td><td>ETR RUB-1 ETR ETR ETR ETR UNFINISHED RUB-1</td><td>ETR PNT-1 ETR ETR ETR ETR ETR</td><td>ETR APC-1 ETR ETR ETR ETR</td><td></td></td<>	STORAGE CORRIDOR ELEVATOR ROOM STORAGE STORAGE EXIT CORRIDOR JUNFINISHED OBBY VESTIBULE CIRCULATION DESK MAIN STREET CAFE/EVENT BOOK DROP CHILDREN'S LIBRARY STAIR ACCESS	ETR RES-1 ETR ETR ETR ETR UNFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1	ETR RUB-1 ETR ETR ETR ETR UNFINISHED RUB-1	ETR PNT-1 ETR ETR ETR ETR ETR	ETR APC-1 ETR ETR ETR ETR	
012A         STO           012H         CO           013         ELE           015         STO           015         STO           016         UN           100         LOI           100A         VES           100B         CIF           101H         MA           110         CA           110A         BO           120         CH           120A         STO           121         CH           122         HE           123         STO           131         STO           140         ME           140A         SO           141         KIT           142         STO           150         CIF           150         CIF           151         HE           152         HE           153         AD           154         LIT           156         AD           156         AD           156         AD           156         AD           157         TE           157 <td< td=""><td>STORAGE CORRIDOR ELEVATOR ROOM STORAGE STORAGE EXIT CORRIDOR JUNFINISHED OBBY VESTIBULE CIRCULATION DESK MAIN STREET CAFE/EVENT BOOK DROP CHILDREN'S LIBRARY STAIR ACCESS</td><td>RES-1 ETR ETR ETR ETR UNFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1</td><td>ETR RUB-1 ETR ETR ETR ETR UNFINISHED RUB-1</td><td>ETR PNT-1 ETR ETR ETR ETR ETR</td><td>ETR APC-1 ETR ETR ETR ETR</td><td></td></td<>	STORAGE CORRIDOR ELEVATOR ROOM STORAGE STORAGE EXIT CORRIDOR JUNFINISHED OBBY VESTIBULE CIRCULATION DESK MAIN STREET CAFE/EVENT BOOK DROP CHILDREN'S LIBRARY STAIR ACCESS	RES-1 ETR ETR ETR ETR UNFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1	ETR RUB-1 ETR ETR ETR ETR UNFINISHED RUB-1	ETR PNT-1 ETR ETR ETR ETR ETR	ETR APC-1 ETR ETR ETR ETR	
D12H         CO           D13         ELE           D14         STO           D15         STO           D15H         EXI           D16H         UN           D10O         LOI           D10OB         CIF           D10H         MA           D10OB         CIF           D12O         CH           D12O         CH      D	CORRIDOR ELEVATOR ROOM STORAGE EXIT CORRIDOR UNFINISHED OBBY VESTIBULE CIRCULATION DESK MAIN STREET CAFE/EVENT BOOK DROP CHILDREN'S LIBRARY STAIR ACCESS	RES-1 ETR ETR ETR ETR UNFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1	RUB-1 ETR ETR ETR ETR UNFINISHED RUB-1	PNT-1 ETR ETR ETR ETR ETR	APC-1 ETR ETR ETR	
013         ELE           014         STO           015         STO           016         UN           100         LOI           100A         VE           100B         CIF           101H         MA           110         CA           110A         BO           120         CH           120A         STO           121         CH           122         HE           133         STO           140A         ME           140A         SO           141         KIT           142         STO           150         CIF           150         CIF           150         CIF           151         HE           152         HE           153         AD           154         LIT           156         AD           156         AD           156         AD           157         TE           157A         IT           160         MA           161         LO           163         G	ELEVATOR ROOM STORAGE STORAGE EXIT CORRIDOR UNFINISHED OBBY VESTIBULE CIRCULATION DESK MAIN STREET CAFE/EVENT BOOK DROP CHILDREN'S LIBRARY STAIR ACCESS	ETR ETR ETR ETR UNFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1	ETR ETR ETR ETR UNFINISHED RUB-1	ETR ETR ETR ETR	ETR ETR ETR	
014 ST0 015 ST0 015 ST0 015 ST0 015 ST0 016 UN 100 LO 100A VES 100B CIF 101H MA 110 CA 110A BO 120 CH 120A ST0 121 CH 122 HE 123 ST0 130 CH 131 ST0 140 ME 140A SO 141 KIT 142 ST0 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 155 CO 156 AD 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 166 GR	STORAGE STORAGE STORAGE SXIT CORRIDOR JUNFINISHED OBBY SESTIBULE CIRCULATION DESK MAIN STREET CAFE/EVENT SOOK DROP CHILDREN'S LIBRARY STAIR ACCESS	ETR ETR ETR UNFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1	ETR ETR ETR UNFINISHED RUB-1	ETR ETR ETR	ETR ETR	
015 ST0 015H EX 016 UN 100 LO 100A VE 100B CIF 101H MA 110 CA 110A BO 120 CH 122 HE 123 ST0 121 CH 122 HE 123 ST0 130 CH 141 KIT 142 ST0 140 ME 140A SO 141 KIT 142 ST0 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 155 CO 156 AD 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR	ETORAGE EXIT CORRIDOR UNFINISHED OBBY VESTIBULE CIRCULATION DESK MAIN STREET CAFE/EVENT BOOK DROP CHILDREN'S LIBRARY STAIR ACCESS	ETR ETR UNFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1	ETR ETR UNFINISHED RUB-1	ETR ETR	ETR	
015H EXI 016 UN 100 LOI 100A VE 100B CIF 101H MA 110 CA 110A BO 120 CH 122A EXI 123 ST 121 CH 122 HE 123 ST 130 CH 141 KIT 142 ST 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 155 CO 156 AD 156 AD 156 AD 156 DIF 156 CO 157 TE 157A IT 160 MA 161 LOI 162 LOI 163 GR 164 GR 165 GR	EXIT CORRIDOR UNFINISHED OBBY VESTIBULE CIRCULATION DESK MAIN STREET CAFE/EVENT BOOK DROP CHILDREN'S LIBRARY STAIR ACCESS	ETR UNFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1	ETR UNFINISHED RUB-1	ETR		
016 UN 100 LO 100A VE: 100B CIF 101H MA 110 CA 110A BO 120 CH 120A STA 121 CH 122 HE 123 STO 130 CH 131 STO 140 ME 140A SO 141 KIT 142 STO 150H CO 151 HE 152 HE 153 AD 154 LIT 154A STA 155 CO 156 AD 156A DIF 156B FIN 156B FIN 156B FIN 156B FIN 156B FIN 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 1665 GR	INFINISHED OBBY /ESTIBULE CIRCULATION DESK MAIN STREET CAFE/EVENT BOOK DROP CHILDREN'S LIBRARY STAIR ACCESS	UNFINISHED WD-1 CPT-5 WD-1 WD-1 RES-1	UNFINISHED RUB-1		ETR	
100 LOI 100A VES 100B CIF 100H MA 110 CA 110A BO 120 CH 1212 CH 122 HE 123 ST0 130 CH 141 KIT 142 ST0 140 ME 140A SO 141 KIT 142 ST0 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 155 CO 156 AD 156 AD 156 AD 156 FIN 156B FIN 156B FIN 156B FIN 156B FIN 156C CO 157 TE 157A IT 160 MA 161 LOI 162 LOI 163 GR 164 GR 165 GR	OBBY /ESTIBULE CIRCULATION DESK //AIN STREET CAFE/EVENT BOOK DROP CHILDREN'S LIBRARY STAIR ACCESS	WD-1 CPT-5 WD-1 WD-1 RES-1	RUB-1	UNLIMPHI	UNFINISHED	
100A VES 100B CIF 101H MA 110 CA 110A BO 120 CH 120A ST 121 CH 122 HE 123 ST 130 CH 131 ST 140 ME 140A SO 141 KIT 142 ST 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 152 HE 153 AD 154 LIT 155 CO 156 AD 156 DIF 156B FIN 156B FIN 156B FIN 156B FIN 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR	ZESTIBULE CIRCULATION DESK MAIN STREET CAFE/EVENT BOOK DROP CHILDREN'S LIBRARY STAIR ACCESS	CPT-5 WD-1 WD-1 RES-1		PNT-1, PNT-3	SDG-1	
100B CIF 101H MA 110 CA 110A BO 120 CH 120A STA 121 CH 122 HE 123 STO 130 CH 131 STO 140 ME 140A SO 141 KIT 142 STO 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 154A STA 155 CO 156 AD 156A DIF 156B FIN 156B FIN 156B FIN 156B FIN 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR	CIRCULATION DESK MAIN STREET CAFE/EVENT BOOK DROP CHILDREN'S LIBRARY STAIR ACCESS	WD-1 WD-1 RES-1	RUB-1	PNT-1	GWB	
101H MA 110 CA 110A BO 120 CH 120A STA 121 CH 122 HE 123 ST0 130 CH 131 ST0 140 ME 140A SO 141 KIT 142 ST0 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 154A STA 155 CO 156 AD 156A DIF 156B FIN 156B FIN 156B FIN 156B FIN 156C CO 157 TEC 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR	MAIN STREET CAFE/EVENT BOOK DROP CHILDREN'S LIBRARY STAIR ACCESS	WD-1 RES-1	RUB-1	PNT-3	GWB, WD	
110 CA 110A BO 120 CH 120A STA 121 CH 122 HE 123 STA 130 CH 131 STA 140 ME 140A SO 1414 KIT 142 STA 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 154A STA 155 CO 156 AD 156A DIF 156B FIN 156B FIN 156B FIN 156B FIN 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR	CAFE/EVENT BOOK DROP CHILDREN'S LIBRARY STAIR ACCESS	RES-1	RUB-1	PNT-1, PNT-3	SDG-1	
110A BO 120 CH 120A STA 121 CH 122 HE 123 STA 130 CH 131 STA 140 ME 140A SO 141 KIT 142 STA 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 154A STA 155 CO 156 AD 156A DIF 156B FIN 156B FIN 156B FIN 156B FIN 156B FIN 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR	BOOK DROP CHILDREN'S LIBRARY STAIR ACCESS		RUB-1	PNT-1, PNT-3 PNT-1, PNT-3	APC-1	
120 CH 120A ST, 121 CH 122 HE 123 ST( 130 CH 131 ST( 140 ME 140A SO 141 KIT 142 ST( 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 154A ST, 155 CO 156 AD 156A DIF 156B FIN 156B FIN 156B FIN 156H CO 157 TE( 157A IT 160 MA 161 LO( 162 LO( 163 GR 164 GR	CHILDREN'S LIBRARY STAIR ACCESS	1 111		· ·		
120A ST/ 121 CH 122 HE 123 ST/ 130 CH 131 ST/ 140 ME 140A SO 141 KIT 142 ST/ 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 154A ST/ 155 CO 156 AD 156B FIN 156B FIN 156B FIN 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR	STAIR ACCESS	ETR	ETR	ETR	ETR	
121 CH 122 HE 123 ST0 130 CH 131 ST0 140 ME 140A SO 141 KIT 142 ST0 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 154A ST 155 CO 156 AD 156A DIF 156B FIN 156B FIN 156B FIN 156B FIN 156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR		CPT-6	RUB-1	PNT-1, PNT-2	APC-1	
122 HE. 123 ST0 130 CH 131 ST0 140 ME 140A SO 141 KIT 142 ST0 150 CIF 150H CO 151 HE. 152 HE. 153 AD 154 LIT 154A ST 155 CO 156 AD 156A DIF 156B FIN 156B FIN 156H CO 157 TE0 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR	CHILDREN'S LIBRARIANS	CPT-6	RUB-1	PNT-1, PNT-2	APC-1	
123 ST0 130 CH 131 ST0 140 ME 140A SO 141 KIT 142 ST0 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 154A ST 156 AD 156A DIF 156B FIN 156B FIN 156B FIN 156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR		CPT-2	RUB-1	PNT-1	APC-1	
130 CH 131 ST0 140 ME 140A SO 141 KIT 142 ST0 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 154A ST0 156 AD 156A DIF 156B FIN 156B FIN 156B FIN 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR	HEAD CHILDREN'S LIBRARIAN	CPT-2	RUB-1	PNT-1	APC-1	
131 ST0 140 ME 140A SO 141 KIT 142 ST0 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 154A ST 155 CO 156 AD 156B FIN 156B FIN 156H CO 157 TE0 157 TE0 157 IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR	STOR	CPT-6	RUB-1	PNT-1, PNT-2	APC-1	
140 ME 140A SO 141 KIT 142 ST0 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 154A ST 156 AD 156A DIF 156B FIN 156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR	CHILDRENS MEETING ROOM	CPT-6	RUB-1	PNT-1, PNT-2	APC-1	
140A SO 141 KIT 142 ST 150 CIF 150H CO 151 HE 152 HE 153 AD 154 LIT 154A ST 155 CO 156A DIF 156B FIN 156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR	STOR	RES-1	RUB-1	PNT-1	APC-1	
141 KIT 142 ST0 150 CIF 150H CO 151HE 152 HE 153 AD 154 LIT 154A ST 155 CO 156 AD 156B FIN 156B FIN 156H CO 157 TE0 157 TE0 157 IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR	MEETING ROOM	CPT-3	RUB-1	WC-1	APC-1	
142 ST0 150 CIF 150H CO 151HE 152 HE 153 AD 154 LIT 154A ST0 156 AD 156A DIF 156B FIN 156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR	SOUND AND LIGHT LOCK	CPT-3	RUB-1	WC-1	APC-1	
150 CIF 150H CO 150H CO 151 HE 152 HE 153 AD 154 LIT 154A ST 155 CO 156 AD 156B FIN 156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR 165 GR	IT.	CFT-1	CFT-1	PNT-1	APC-1	
150H CO 151 HE 152 HE 153 AD 154 LIT 154A ST 155 CO 156 AD 156A DIF 156B FIN 156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR	STORAGE	CPT-3	RUB-1	WC-1	APC-1	
151 HE. 152 HE. 153 AD. 154 LIT. 154A ST. 155 CO. 156 AD. 156A DIF. 156B FIN. 156H CO. 157 TEC. 157A IT. 160 MA. 161 LO. 162 LO. 163 GR. 164 GR. 165 GR.	CIRCULATION SERVICES	CPT-2	RUB-1	PNT-1	APC-1	
152 HE. 153 AD. 154 LIT. 154A ST. 155 CO. 156 AD. 156A DIF. 156B FIN. 156H CO. 157 TEC. 157A IT. 160 MA. 161 LO. 162 LO. 163 GR. 164 GR. 165 GR.	ORRIDOR	CPT-1	RUB-1	PNT-1	APC-1	
153 AD 154 LIT 154A ST 155 CO 156 AD 156A DIF 156B FIN 156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR	HEAD OF CIRCULATION SERVICES	CPT-2	RUB-1	PNT-1	APC-1	
153 AD 154 LIT 154A ST 155 CO 156 AD 156A DIF 156B FIN 156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR	HEAD OF ADULT SERVICES	CPT-2	RUB-1	PNT-1	APC-1	
154 LIT 154A ST, 155 CO 156 AD 156A DIF 156B FIN 156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR	DULT SERVICE LIBRARIAN	CPT-2	RUB-1	PNT-1	APC-1	
154A ST/ 155 CO 156 AD 156A DIF 156B FIN 156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR	ITERACY SOLUTIONS	CPT-2	RUB-1	PNT-1	APC-1	
155 CO 156 AD 156A DIF 156B FIN 156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR	STAIR ACCESS	RES-1	RUB-1	PNT-1	APC-1	
156 AD 156A DIF 156B FIN 156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR	COMMUNITY RELATIONS	CPT-2	RUB-1	PNT-1	APC-1	
156A DIF 156B FIN 156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR	ADMIN. ASSIST.	CPT-2	RUB-1	PNT-1	APC-1	
156B FIN 156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR	DIRECTOR	CPT-2	RUB-1	PNT-1	APC-1	
156H CO 157 TE 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR	INANCE AND FACILITIES	CPT-2	RUB-1	PNT-1	APC-1	
157 TE0 157A IT 160 MA 161 LO 162 LO 163 GR 164 GR						
157A IT 160 MA 161 LO 162 LO 163 GR 164 GR	CORRIDOR	CPT-1	RUB-1	PNT-1	APC-1	
160 MA 161 LO 162 LO 163 GR 164 GR	ECHNICAL SERVICES	CPT-2	RUB-1	PNT-1	APC-1	
161 LO 162 LO 163 GR 164 GR 165 GR		CPT-2	RUB-1	PNT-1	APC-1	
162 LO 163 GR 164 GR 165 GR	MAIN LEVEL READING AREA	CPT-1	RUB-1	PNT-1, PNT-2	ETR, GWB, SDG-1	
163 GR 164 GR 165 GR	OCAL HISTORY	CPT-1	RUB-1	PNT-1, PNT-3	APC-2	
164 GR 165 GR	OCAL HISTORY MEETING	CPT-3	RUB-1	WC-1	APC-1	
165 GR	GROUP STUDY	CPT-3	RUB-1	WC-1	APC-1	
	GROUP STUDY	CPT-3	RUB-1	WC-1	APC-1	
166   MA	GROUP STUDY	CPT-3	RUB-1	WC-1	APC-1	
	MAKER SPACE	RES-1	RUB-1	PNT-1, PNT-3	APC-1	
	MAKER SPACE OFFICE	CPT-3	RUB-1	WC-1	APC-1	
	MEZZANINE STACKS	CPT-1	RUB-1	PNT-1, PNT-3	APC-2	
	EEN LIBRARIAN	CPT-2	RUB-1	PNT-1	APC-1	
	STORAGE	CPT-2	RUB-1	PNT-1	APC-1	
	EEN ROOM	CPT-4	RUB-1	PNT-1, PNT-2	APC-1	
	GROUP STUDY	CPT-3	RUB-1	WC-1	APC-1	
J101 JAN	AN.	SC	RUB-1	PNT-1	GWB, WD	
S3 ST		ETR	ETR	ETR	ETR	
S3 ST/	STAIR 3	ETR	ETR	ETR	ETR	
	STAIR 3 STAIR 3	ETR	ETR	ETR	ETR	
		ETR	ETR	ETR	ETR	
	STAIR 3	ETR	ETR	ETR	ETR	
	STAIR 3 STAIR 7 STAIR 9	ETR	ETR	ETR	ETR	
	STAIR 3 STAIR 7 STAIR 9 STAIR 9	ETR	ETR	ETR	ETR	
	STAIR 3 STAIR 7 STAIR 9 STAIR 9	CFT-1	CFT-1	CWT-1, PNT-1	GWB	
	STAIR 3 STAIR 7 STAIR 9 STAIR 9 STAIR 10 STAIR 10			-		
	STAIR 3 STAIR 7 STAIR 9 STAIR 10 STAIR 10 STAIR 10 STAFF WC	1 1	CFT-1	CWT-1	GWB	
	STAIR 3 STAIR 7 STAIR 9 STAIR 9 STAIR 10 STAIR 10 STAFF WC	CFT-1	CFT-1	CWT-1	GWB	
	STAIR 3 STAIR 7 STAIR 9 STAIR 9 STAIR 10 STAIR 10 STAFF WC FOILET	CFT-1	CFT-1	CWT-1	GWB	
Γ120 CH Γ150 ST	STAIR 3 STAIR 7 STAIR 9 STAIR 9 STAIR 10 STAIR 10 STAFF WC		CFT-1	CWT-1	GWB	



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Washington, DC 20036



New City Library

## New City Library Addition & Renovation

220 North Main Street New City, NY 10956

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Client Project Number
VMDO Project Number

Checked By

Checker

Drawn By

Author

ISSUES AND REVISIONS

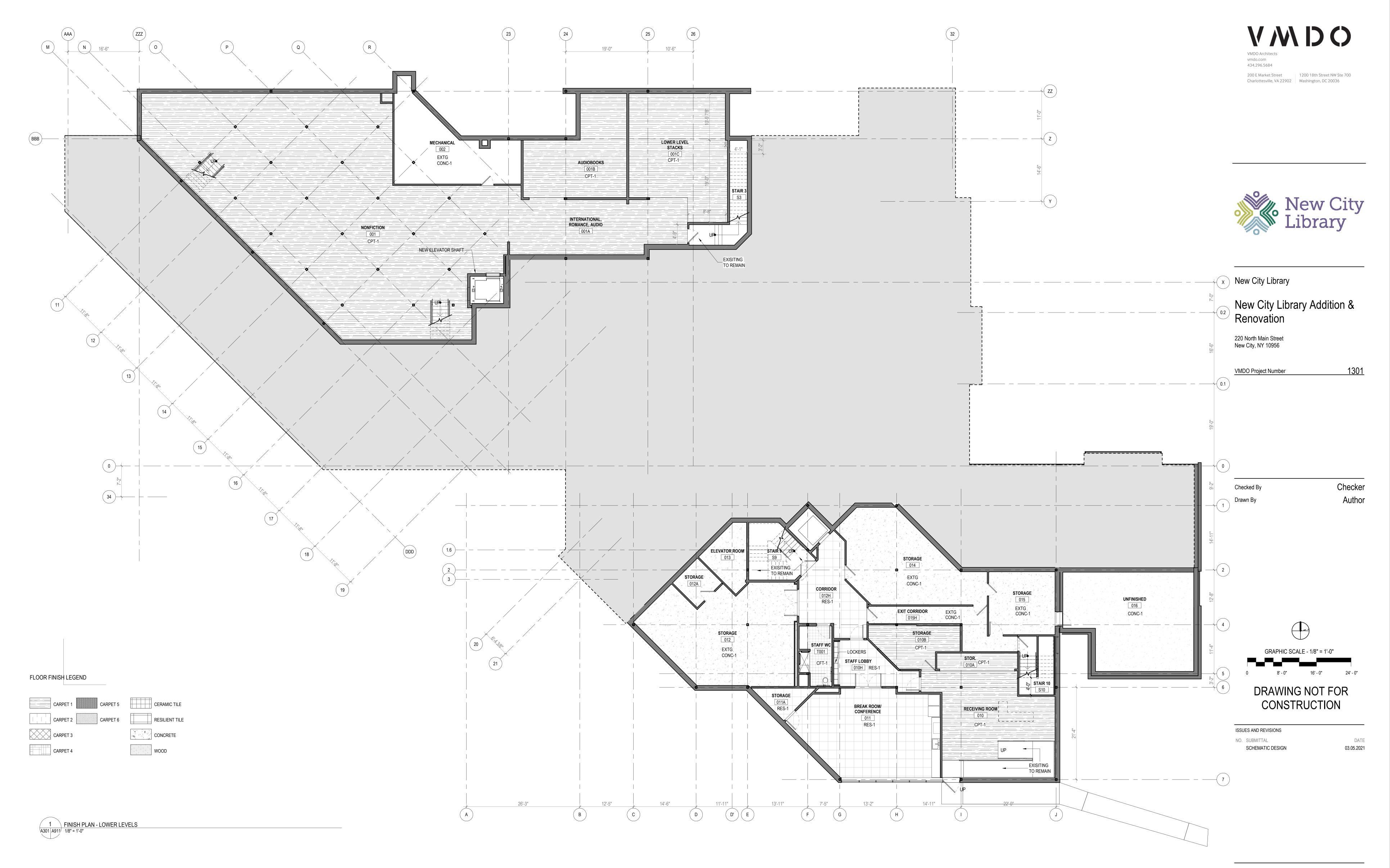
DATE

03.05.2021

NO. SUBMITTAL
SCHEMATIC DESIGN

FINISH SCHEDULE





#### FINISH SCHEDULE GENERAL NOTES

- FOR ADDITIONAL INFORMATION ON INTERIOR FINISHES, SEE REMAINDER OF DRAWINGS INCLUDING FLOOR PLANS, REFLECTED CEILING PLANS & INTERIOR ELEVATIONS.
   PROVIDE STONE THRESHOLDS AT DOORS OR OPENINGS TO TOILET ROOMS AND BATHROOMS AT TRANSITION BETWEEN CERAMIC TILE AND ADJACENT (OTHER) FLOOR
- ALL FLOORS SCHEDULED TO RECEIVE A SEALED CONCRETE FINISH SHALL HAVE TWO (2)
  COATS OF SEALER. THE SECOND COAT OF SEALER SHALL BE APPLIED AT THE TIME OF
  SUBSTANTIAL COMPLETION.
- 4. REFER TO "FP" SHEETS FOR FIRE RESISTANCE RATINGS OF WALL AND FLOOR

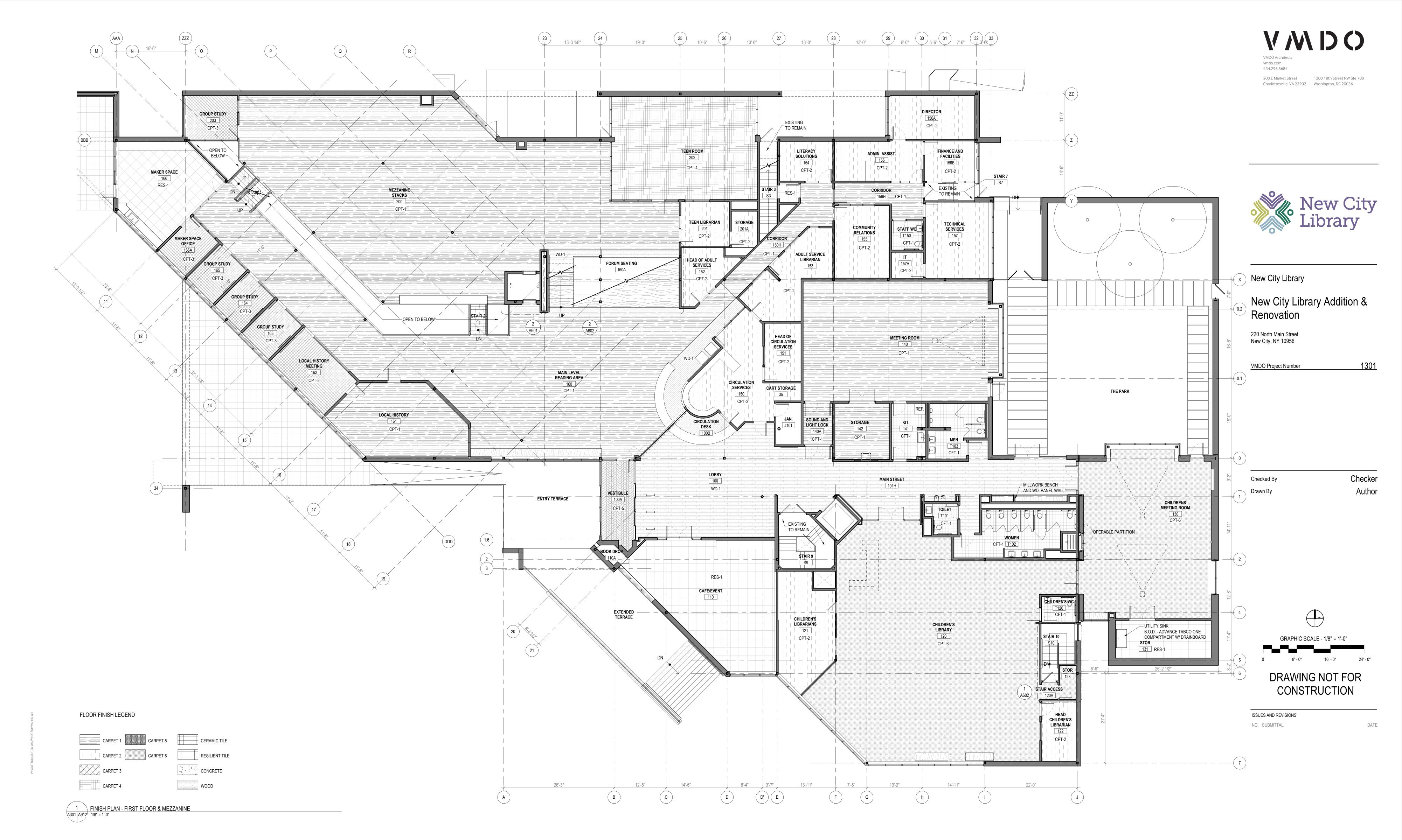
  ASSEMBLIES
- ASSEMBLIES.

  5. ALL M.E.P. SYSTEMS SHALL BE CONCEALED WITHIN WALL OR CEILING CAVITY, U.N.O.

  6. PAINT ALL STRUCTURE AND INFRASTRUCTURE COMPONENTS AND SURFACES AT OPEN OR EXPOSED CEILINGS.

FINISH PLAN - LOWER LEVEL & BASEMENT

A911
DESIGN DEVELOPMENT
07.09.2021



#### FINISH SCHEDULE GENERAL NOTES

- FOR ADDITIONAL INFORMATION ON INTERIOR FINISHES, SEE REMAINDER OF DRAWINGS INCLUDING FLOOR PLANS, REFLECTED CEILING PLANS & INTERIOR ELEVATIONS.
   PROVIDE STONE THRESHOLDS AT DOORS OR OPENINGS TO TOILET ROOMS AND BATHROOMS AT TRANSITION BETWEEN CERAMIC TILE AND ADJACENT (OTHER) FLOOR
- 3. ALL FLOORS SCHEDULED TO RECEIVE A SEALED CONCRETE FINISH SHALL HAVE TWO (2)
  COATS OF SEALER. THE SECOND COAT OF SEALER SHALL BE APPLIED AT THE TIME OF
- SUBSTANTIAL COMPLETION.

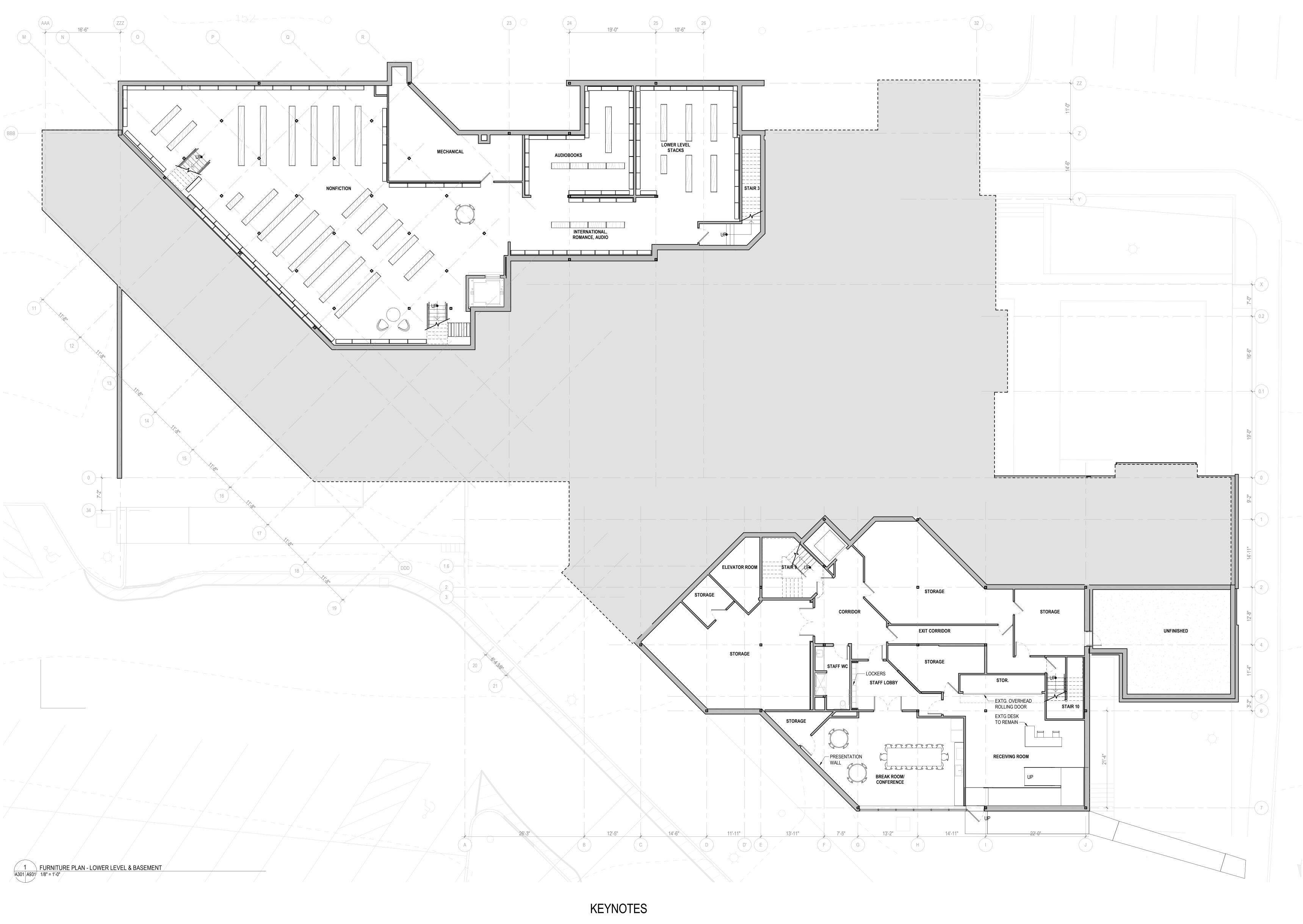
  4. REFER TO "FP" SHEETS FOR FIRE RESISTANCE RATINGS OF WALL AND FLOOR ASSEMBLIES.

OR EXPOSED CEILINGS.

ALL M.E.P. SYSTEMS SHALL BE CONCEALED WITHIN WALL OR CEILING CAVITY, U.N.O.
 PAINT ALL STRUCTURE AND INFRASTRUCTURE COMPONENTS AND SURFACES AT OPEN

FINISH PLAN - FIRST FLOOR & MEZZANINE

A912
DESIGN DEVELOPMENT
07.09.2021



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New City Library

New City Library Addition & Renovation

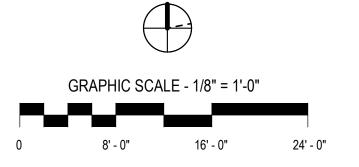
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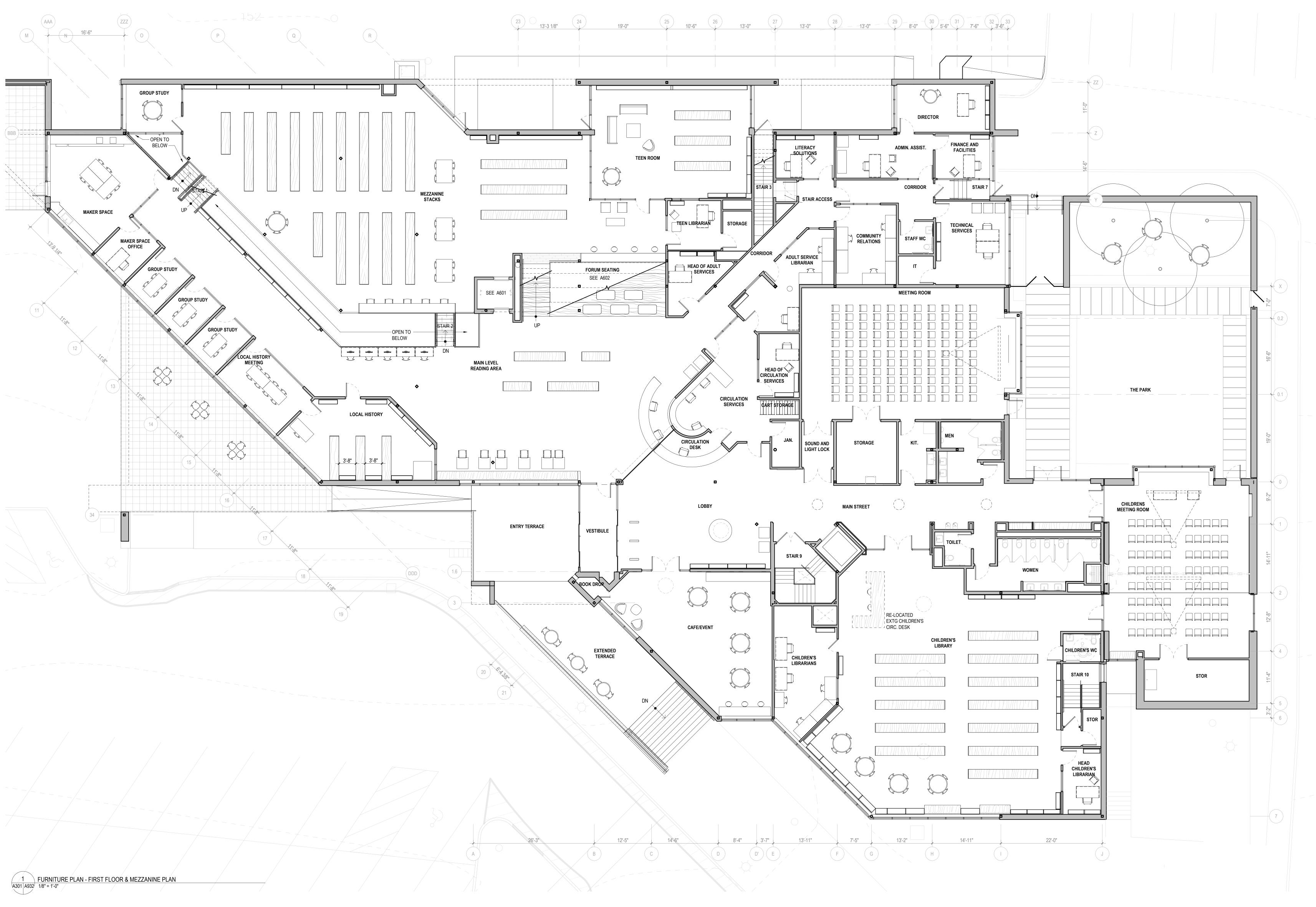
ISSUES AND REVISIONS

NO. SUBMITTAL

FURNITURE PLAN -LOWER LEVEL & BASEMENT

A931

DESIGN DEVELOPMENT
07.09.2021



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New City Library

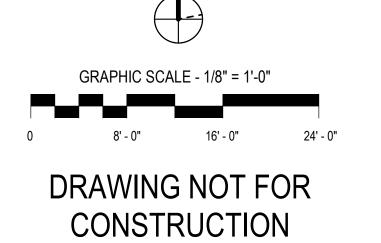
New City Library

New City Library Addition & Renovation

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ISSUES AND REVISIONS

NO. SUBMITTAL

FURNITURE PLAN -FIRST FLOOR & MEZZANINE

A932

DESIGN DEVELOPMENT
07.09.2021

KEYNOTES

		PLUMBIN	NG PIPE MAT	ERIAL SCHE	DULE			
DIDE OVOTEM	0175	PIPE			FITTINGS			
PIPE SYSTEM	SIZE	MATERIAL	TYPE / WEIGHT	STANDARD	MATERIALS	TYPE / WEIGHT	STANDARD	
DOMESTIC WATER PIPING (CW, HW, HWC)	ALL	COPPER	HARD / TYPE L	ASTM B88	COPPER	95 / 5 SOLDER LEAD FREE	ASTM B828 ASME B16.22	
WATER SERVICE PIPING	<sup>3</sup> ⁄ <sub>4</sub> " - 4"	COPPER	HARD / TYPE K	ASTM B75 ASTM B88	COPPER	95 / 5 SOLDER LEAD FREE	ASTM B828 ASME B16.22	
	ALL	DUCTILE IRON	SCHEDULE 40	AWWA C151/A21.51	DUCTILE IRON	GROOVED END	AWWA C606	
	< 4"	COPPER	DWV HARD / TYPE L  ASTM B88  DWV COPPER  95 / 5 SOLDER COPPER  LEAD FREE	95 / 5 SOLDER LEAD FREE	ASTM B828 ASME B16.22			
SANITARY, WASTE, VENT (ABOVE GROUND)		OAST IDON	HUBLESS / HUB AND SPIGOT	ASTM A74	CAST IRON	LEAD / OAKUM	ASTM B29	
	ALL	CAST IRON	SCHEDULE 40 / SERVICE	ASTM A888 CISPI 301 / 310	CAST IRON	COUPLING	ASTM C564	
SANITARY, WASTE, VENT (BELOW GROUND)	ALL	CAST IRON	HUB AND SPIGOT EXTRA-HEAVY	ASTM A74 ASTM A888 CISPI 301 / 310	CAST IRON	LEAD / OAKUM	ASTM B29	
STORM (AROVE CROUND)	ALL	CAST IRON	HUBLESS / HUB AND SPIGOT	ASTM A74	CAST IRON	LEAD / OAKUM	ASTM B29	
STORM (ABOVE GROUND)			SCHEDULE 40 / SERVICE	ASTM A888 CISPI 301 / 310	CAST IRON	COUPLING	ASTM C564	
NATUDAL CAS	≤ 4"	STEEL	SCHEDULE 40	ASTM A53 ASTM A106	MALLEABLE IRON	THREADED	ASME B16.3	
NATURAL GAS	> 4"	STEEL	SCHEDULE 40	ASTM A53 ASTM A106	MALLEABLE IRON	WELDED	ASME B16.3	

1. INSTALL DUCTILE IRON PIPING UNDER BUILDING SLAB WITH RESTRAINED JOINSTS ACCORDING TO AWWA C600 AND AWWA M41.

2. INSTALL UNDERGROUND COPPER AND DUCTILE IRON PIPE IN PE ENCASEMENT ACCORDING TO ASTM A 674 OR AWWA C105/A21.5 3. DUCTILE IRON WATER SERVICE PIPING SHALL BE CEMENT MORTAR LINED IN ACCORDANCE WITH AWWA C104.

4. WATER SERVICE PIPE SHALL CONFORM TO NSF 61 AND SHALL HAVE A WORKING PRESSURE RATING OF NOT LESS THAN 160 PSI AT 73.4 °F

5. ALL MEDICAL GAS PIPE SHALL BE MANUFACTURER CLEANED, PURGED, AND SEALED FOR MEDICAL GAS SERVICE, OR ACCORDING TO CGA G-4.1 FOR OXYGEN SERVICE. INCLUDE STANDARD COLOR MARKING "OXY", "MED", "OXY/MED", OR "ACR/MED" IN BLUE FOR TYPE L TUBE.

SYMBOL	ABBREVIATION	DESCRIPTION
_	AFF	ABOVE FINISHED FLOOR
_	AHC	ABOVE HUNG CEILING
_	BFP	BACK FLOW PREVENTOR
Ī	_	BALL VALVE
$\Box$	_	BASKET STRAINER
	_	BUTTERFLY VALVE
	_	CHECK VALVE
101	_	CIRCUIT SETTER
 テ	CODP	CLEAN OUT DECK PLATE
	CW	COLD WATER
	_	CONCENTRIC REDUCER
	DCV	DOUBLE CHECK VALVE - BFP
	_	ECCENTRIC REDUCER
		ELBOW DOWN
		ELBOW UP
	DEM.	EXISTING TO BE REMOVED
	EX.	EXISTING TO REMAIN
IXXXI		FLEXIBLE CONNECTION
	FCO	FLOOR CLEAN OUT
_	FS	FLOOR SINK
<b>→</b>	_	FLOW ARROW
	FAI	FRESH AIR INTAKE
	_	GATE VALVE
<b>⊸</b>	_	GLOBE VALVE
	HW	HOT WATER
_	HW HTR	HOT WATER HEATER
_	HWC	HOT WATER RECIRCULATION
_	LDR	LEADER
	_	MANUAL AIR VENT
_	NEW	NEW WORK
Ф	_	OS&Y GATE VALVE
₹	_	PLUG VALVE
	_	PIPE CAP
Ø H	_	PRESSURE GAGE
Å	_	PRESSURE REDUCING VALVE
0	_	PUMP
_	PD	PUMP DISCHARGE
_	RPZ	REDUCED PRESSURE ZONE - BFP
_	REL.	REMOVE AND RELOCATE
_	S	SANITARY
© X	_	SOLENOID VALVE
<del>       </del>	_	STRAINER
_	SD	STORM DRAINAGE
C	_	TEE DOWN
0	_	TEE UP
	_	THERMOMETER
	TYP.	TYPICAL
~	_	T&P RELIEF VALVE
<u> </u>	_	UNION
——————————————————————————————————————	V	VENT
_	VTR	VENT THROUGH ROOF
	WCO	WALL CLEAN OUT
	W	WASTE LINE
₩ W	_	2-WAY VALVE
		3-WAY VALVE

NOTE: FOR REFERENCE ONLY. NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED IN THIS

PROJECT.

GENERAL NOTES

PAYING RELATED FEES.

- 1. THE CONTRACT DRAWINGS INDICATE THE EXTENT AND GENERAL ARRANGEMENTS OF THE PLUMBING SYSTEMS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY BY THE PLUMBING CONTRACTOR, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE OWNER AND ENGINEER FOR APPROVAL. NO SUCH DEPARTURES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER AND ENGINEER. EQUIPMENT AND PIPING ARRANGEMENTS SHALL PROVIDE ADEQUATE AND ACCEPTABLE CLEARANCES FOR ENTRY, SERVICING, AND MAINTENANCE. ANY CHANGES TO PIPING AND EQUIPMENT LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST.
- 2. THE PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE PREVAILING NEW YORK STATE PLUMBING AND BUILDING CODES. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD
- SHALL APPLY. 3. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR
- 4. CONNECTIONS TO EXISTING UTILITIES AND SERVICES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, INVERT ELEVATIONS, AND SIZES OF EXISTING PLUMBING SERVICES IN FIELD, AND SHALL CONNECT NEW PLUMBING SERVICES AS INDICATED ON DRAWINGS.
- 5. PRIOR TO FABRICATION, THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB SITE, AND COORDINATE THIS WORK WITH THE WORK OF ALL OTHER TRADES.
- 6. ALL ACCESS PANELS SHALL BE BY GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR LOCATION.
- 7. PROVIDE ALL PLUMBING FIXTURES, PIPING, VALVES AND ACCESSORY ITEMS AS SPECIFIED AND AS REQUIRED FOR A COMPLETE INSTALLATION. ROUGHING DIMENSIONS OF FIXTURES MUST BE COORDINATED WITH THE GENERAL CONTRACTOR.
- 8. PITCH ALL WASTE, SANITARY, AND STORM DRAIN PIPING AT MAXIMUM SLOPE POSSIBLE, BUT NOT LESS THAN 1/8" PER FOOT FOR PIPING  $\geq$  3" AND 1/4" PER FOOT FOR PIPING  $\leq$  2\frac{1}{2}".
- 9. NO PIPING SHALL RUN EXPOSED IN FINISHED AREAS.
- 10. PROVIDE DIELECTRIC FITTINGS OR COUPLINGS WHEREVER DISSIMILAR METALS ARE JOINED.
- 11. PROVIDE SHUTOFF VALVES AT ALL FIXTURES AND EQUIPMENT ON COLD WATER, AND HOT WATER PIPES.
- 12. ALL WORK SHALL BE PROPERLY TESTED, BALANCED, AND CLEANED AND DISINFECTED. PROVIDE A ONE YEAR WARRANTY FROM DATE OF FINAL INSPECTION ON ALL PARTS AND LABOR.
- 13. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL. PENETRATIONS FOR PIPING SHALL BE MADE BY CORE DRILLING WHENEVER POSSIBLE.
- 14. PROVIDE TRAP SEAL PRIMERS FOR FLOOR DRAINS AS REQUIRED. INSTALL THE PRIMER VALVE IN THE COLD WATER SERVICE, WITH THE TRAP CONNECTION PIPED TO THE FLOOR DRAIN TRAP. LOCATE THE VALVE IN AN ACCESSIBLE LOCATION.
- 15. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE DRILLING, PAINTING, ACCESS PANELS, AND FINAL RESTORATION REQUIRED TO FACILITATE THE INSTALLATION OF PLUMBING PIPING, INCLUDING ABOVE CEILINGS AND IN SHAFTS THAT WILL NOT BE REPLACED OR OPENED UNDER ANY OTHER SCOPE OF WORK RELATED TO THIS PROJECT. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH SHAFTS AND WALLS, AS REQUIRED TO EXECUTE THE PLUMBING WORK.
- 16. NEW PIPING LAYOUT IS PREDICATED ON RECORD DRAWING DATA OF EXISTING RISERS AND DRAWINGS. MODIFICATIONS TO THE LAYOUT MAY BE REQUIRED DUE TO DIFFERENT ACTUAL CONDITIONS, OBSTRUCTIONS, INTERFERENCES, ETC.
- 17. SEE THE ARCHITECTURAL DRAWINGS FOR EXACT PHASING AND TIME SCHEDULE FOR CONSTRUCTION.
- 18. ALL MOTOR STARTERS AND DISCONNECT SWITCHES FOR PLUMBING EQUIPMENT SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FURNISHED BY THE PLUMBING CONTRACTOR FOR PLUMBING EQUIPMENT SHALL BE HEAVY DUTY TYPE.
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY VENTILATION AND EXHAUST AIR WHEN WELDING OR SOLDERING OPERATIONS ARE PERFORMED, AS REQUIRED BY OSHA.

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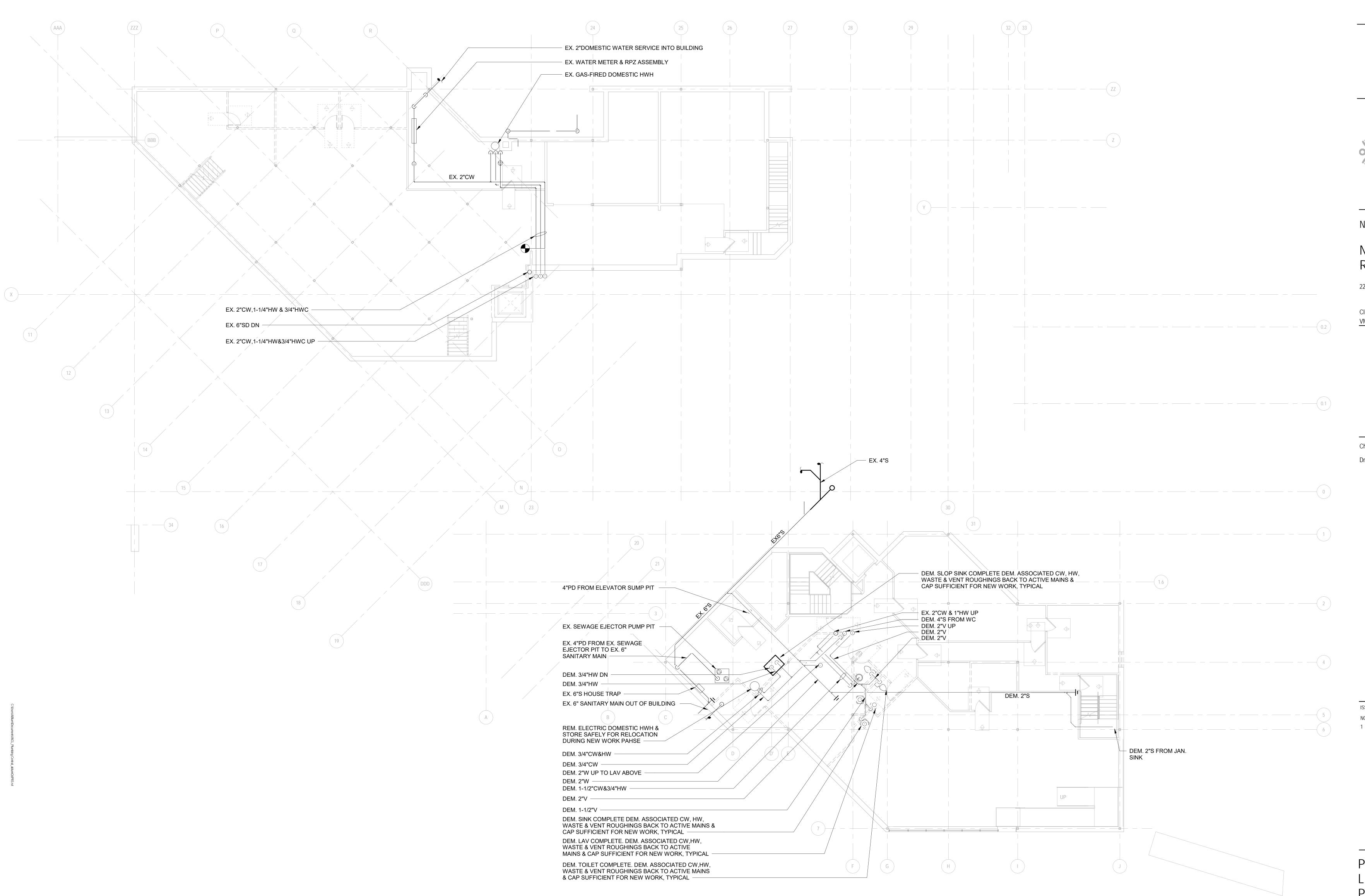
07.09.2021

ISSUES AND REVISIONS

NO. SUBMITTAL DESIGN DEVELOPMENT

PLUMBING SYMBOLS, ABBREVIATIONS, NOTES AND SCHEDULES

DESIGN DEVELOPMENT



PLUMBING LOWER LEVEL DEMOLITION PLAN

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

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ISSUES AND REVISIONS

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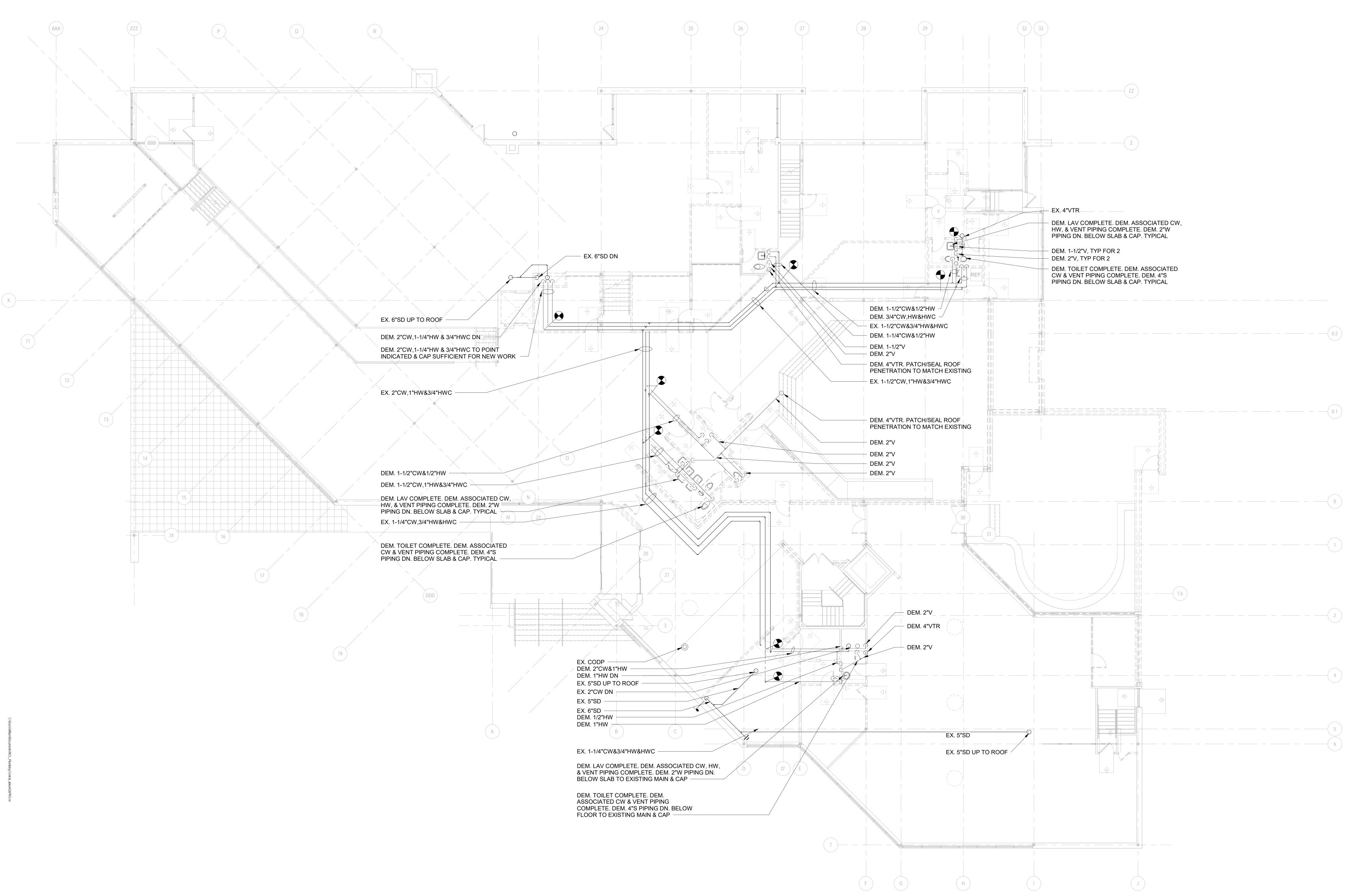
1 Design Development

PLUMBING LOWER LEVEL DEMOLITION PLAN

P-101

DESIGN DEVELOPMENT
07.09.2021

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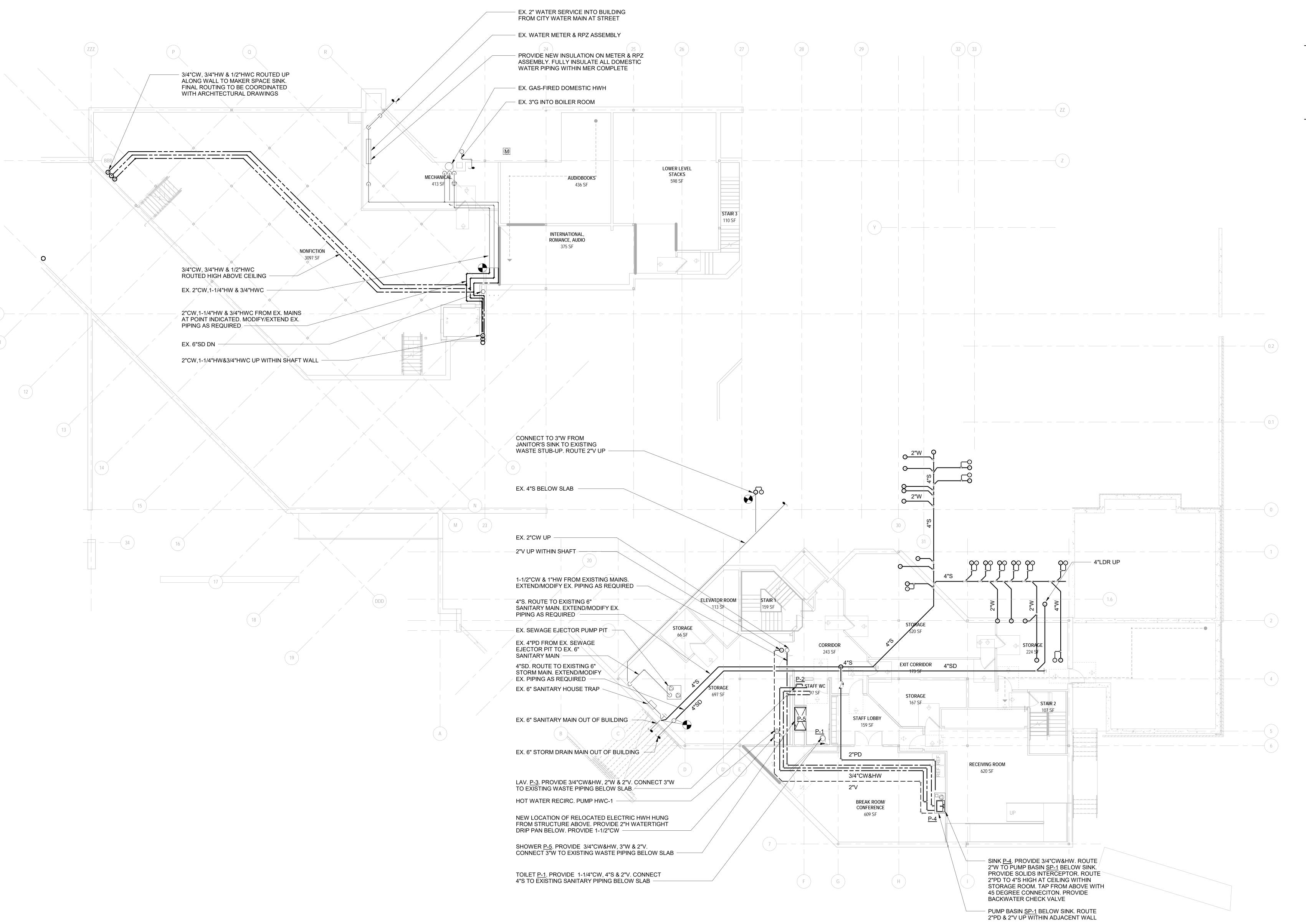
NO. SUBMITTAL 1 Design Development

PLUMBING MAIN LEVEL DEMOLITION PLAN



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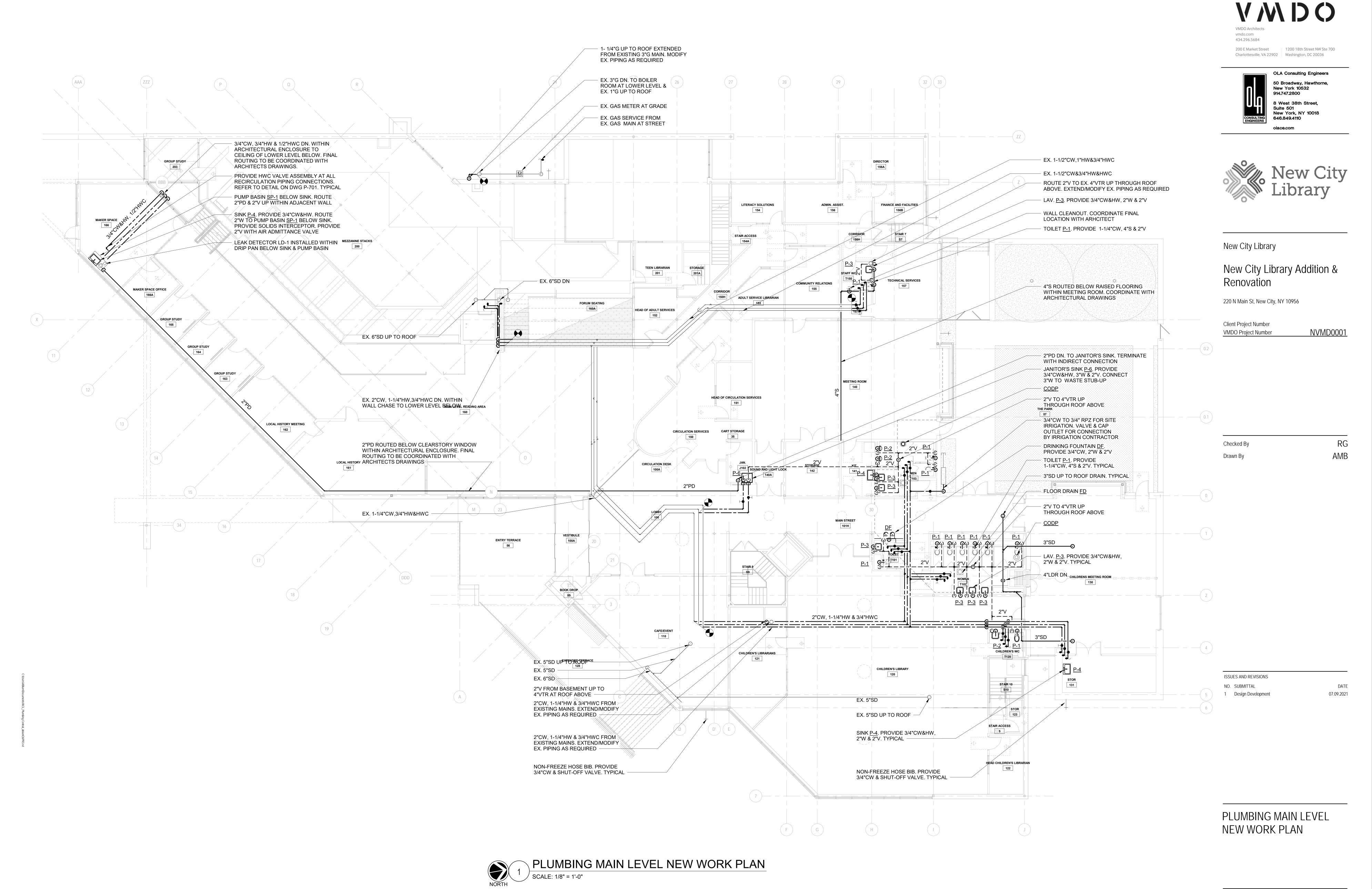
NO. SUBMITTAL

1 Design Development

PLUMBING LOWER LEVEL NEW WORK PLAN

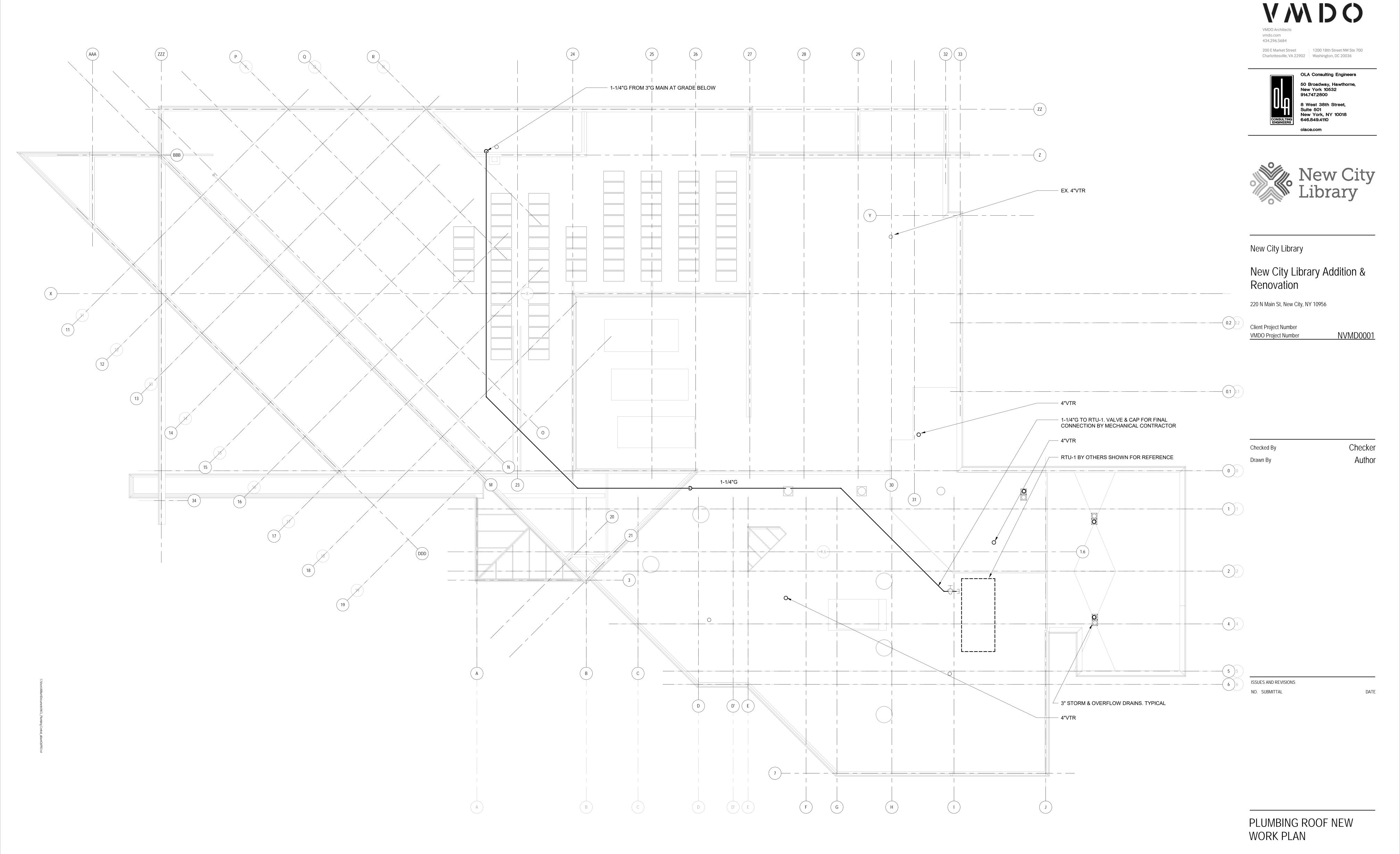
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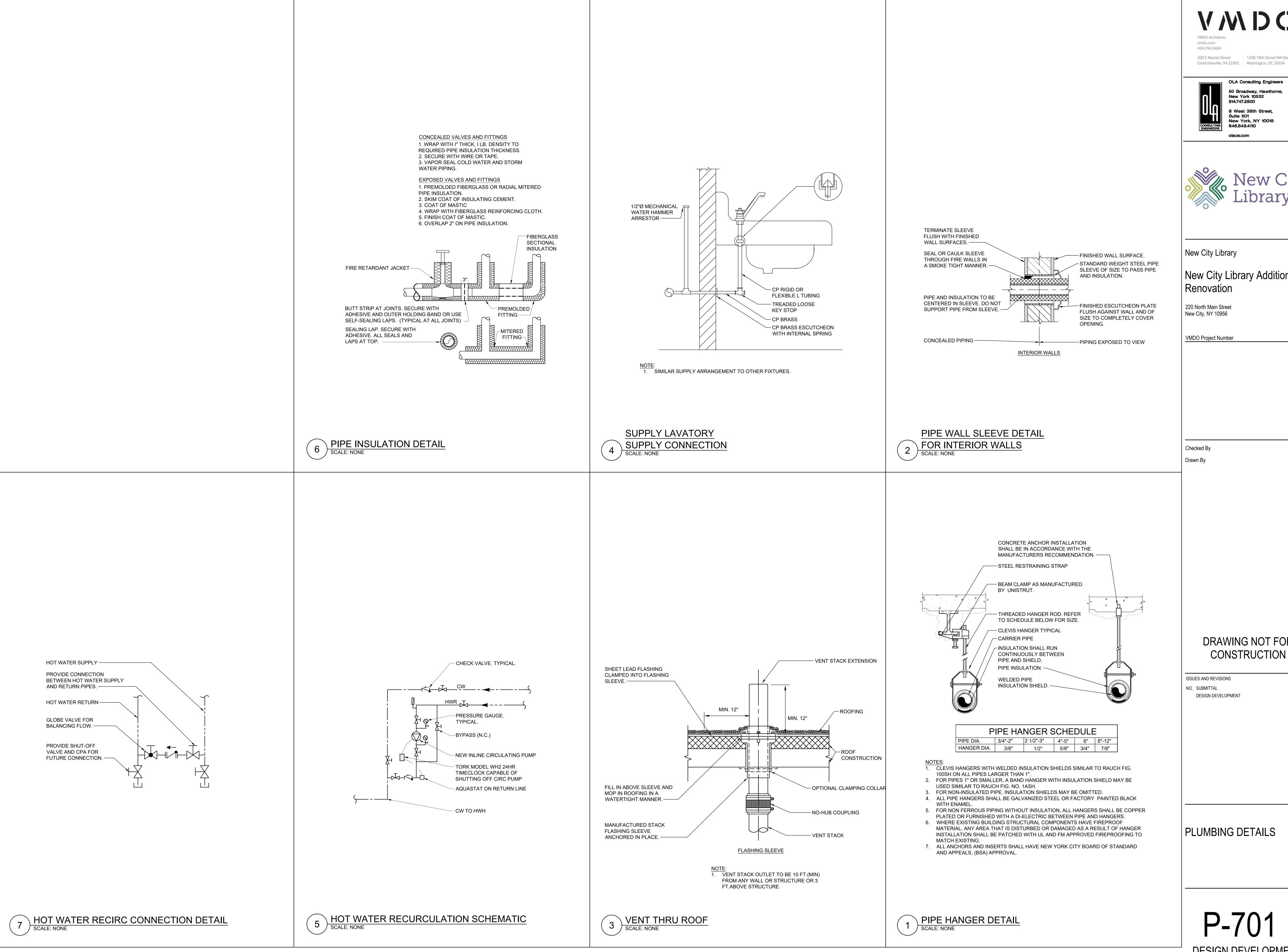
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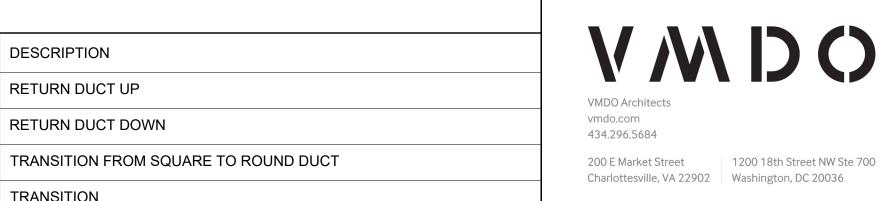
DATE

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P-701

		MECHAN	ICAL PIPE N	MATERIAL	. SCHEDU	LE	
			PIPE		FITTINGS		
PIPE SYSTEM	SIZE	MATERIAL	TYPE / WEIGHT	STANDARD	MATERIALS	TYPE / WEIGHT	STANDARD
HOT WATER / GLYCOL	≤ 2	COPPER	HARD TEMPER TYPE L	ASTM B88	COPPER	WROUGHT COPPER BRAZED JOINT	ANSI 16.18
HOT WATER / GLYCOL	> 2	BLACK STEEL	ERW/SCH. 40	ASTM A53 GRADE B	STEEL	WELDED/SCH. 40	ANSI 16.9
CONDENSATE DRAIN	ALL	COPPER	HARD TEMPER TYPE L	ASTM B88	COPPER	WROUGHT COPPER SOLDER JOINT	ANSI 16.18
REFRIGERANT	ALL	COPPER	HARD TEMPER TYPE K (ACR)	ASTM 280	COPPER	SILVER SOLDER 300PSI	ANSI B16.22
NATUDAL CAC	≤ 4"	STEEL	SCHEDULE 40	ASTM A53 ASTM A106	MALLEABLE IRON	THREADED	ASME B16.3
NATURAL GAS	> 4"	STEEL	SCHEDULE 40	ASTM A53 ASTM A106	MALLEABLE IRON	WELDED	ASME B16.3

SYMBOL	ABBREVIATION	VIATIONS  DESCRIPTION	SYMBOL ABBREVIATION DESCRIPTION
OTIVIDOL	AC-	AIR CONDITIONING UNIT	- RETURN DUCT UP
_	AD	ACCESS DOOR	RETURN DUCT DOWN
_	AFF	ABOVE FINISHED FLOOR	TRANSITION FROM SQUARE TO ROUND DUCT
_	AHC	ABOVE HUNG CEILING	TRANSITION
_	AP	ACCESS PANEL	
_	BHP	BRAKE HORSEPOWER	DUCT RISE
_	BTU	BRITISH THERMAL UNIT	SQUARE VANED ELBOW
	CFM	CUBIC FEET PER MINUTE	
_	COD	CABLE OPERATED DAMPER	GENERAL NOTES
_	DB	DRY BULB TEMPERATURE	1. DUCT DIMENSIONS SHOWN ON MECHANICAL DRAWINGS REFER TO INSIDE CLEAR DUCT DIMENSION
_	DIA. OR Ø	DIAMETER	WHERE DUCTWORK IS LINED THE CONTRACTOR SHALL INCREASE THE SIZE OF DUCT TO COMPEN FOR LINING.
_	DX	DIRECT EXPANSION	2. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO THE BEGINNING OF WORK A
_	EA	EXHAUST AIR	COORDINATE NEW WORK.
	EAT	ENTERING AIR TEMPERATURE	3. THE CONTRACTOR SHALL INSTALL FIRE DAMPERS WITH ACCESS DOORS IN ALL DUCTS PENETRAT FIRE RATED WALLS WHETHER SPECIFICALLY SHOWN ON THE DRAWING OR NOT.
_	ER	EXHAUST REGISTER	4. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING
_	ESP	EXTERNAL STATIC PRESSURE	FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WIT STOPPING MATERIAL.
	EWT	ENTERING WATER TEMPERATURE	5. COORDINATE DUCTWORK, GRILLE, DIFFUSER AND REGISTER LOCATIONS WITH LIGHTS, ARCHITEC
_			ELEMENTS AND SHELVING.
_	FCU	FAN COIL UNIT	6. THIS CONTRACTOR SHALL SUBMIT FOR REVIEW A COMPOSITE SHOP DRAWING, FULLY COORDINA WITH ALL OTHER TRADES, INDICATING DUCTWORK, PLUMBING PIPING, SMOKE DETECTORS, LIGHT
<del>-</del>	FPM	FEET PER MINUTE	CONDUITS, DIFFUSERS, GRILLES, ETC.
_	FPS	FEET PER SECOND	7. CONTRACT DRAWINGS AS FAR AS THEY RELATE TO THE GENERAL ARRANGEMENT AND LOCATION EQUIPMENT, PIPING AND SHEETMETAL, SHALL BE UNDERSTOOD AS DIAGRAMMATIC. ANY CHANGE
_	GPM	GALLONS PER MINUTE	SHEETMETAL AND EQUIPMENT LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TI SHALL BE MADE AT NO EXTRA COST.
_	HP	HORSE POWER	8. PROVIDE CABLE OPERATED DAMPERS ON DUCTWORK ABOVE DRYWALL CEILINGS.
_	LAT	LEAVING AIR TEMPERATURE	
	LF	LINEAR FEET	9. ALL RETURN DUCTWORK ENDING ABOVE HUNG CEILING TO HAVE ½"WMS.  10. SEE ARCHITECTURAL DRAWINGS FOR EXACT PHASING AND TIME SCHEDULE FOR CONSTRUCTION
_	LWT	LEAVING WATER TEMPERATURE	10. SEE ARCHITECTURAL DRAWINGS FOR EXACT PHASING AND TIME SCHEDULE FOR CONSTRUCTION
_	MBH	1000 BRITISH THERMAL UNITS PER HOUR	DESIGN DEVELOPMENT SCOPE OF WORK NOTES
_	MER	MECHANICAL EQUIPMENT ROOM	1. PRE-CONSTRUCTION CFM READINGS: PROVIDE CFM READINGS AT ALL AIR OUTLETS/INLETS
_	NIC	NOT IN CONTRACT	THROUGHOUT THE BUILDING PRIOR TO DEMOLITION WORK. DOCUMENT DATA AND PROVIDE TO ENGINEER FOR REVIEW AND ANALYSIS.  2. PTU 1. PTU 2. PTU 2. PTU 4. 8 PTU 5: PEMOVE EXISTING ECONOMIZER CONTROLS AND ASSOCIATION.
_	OAI	OUTSIDE AIR INTAKE	2. RTU-1, RTU-2, RTU-3, RTU-4, & RTU-5: REMOVE EXISTING ECONOMIZER CONTROLS AND ASSOCIAT SENSORS. PROVIDE NEW ECONOMIZER CONTROL AND SENSORS FOR ENTHALPY BASED ECONOMIZED CONTROL (ORDERATION OF FACILIARIE).
_	PSI	POUNDS PER SQUARE INCH	CONTROL/OPERATION OF EACH UNIT. 3. RTU-1, RTU-2, RTU-3, RTU-4, & RTU-5: THOROUGHLY VACUUM, CLEAN, AND SANITIZE INTERIOR OF
_	RA	RETURN AIR	RTU'S INCLUDING, BUT NOT LIMITED TO, ENCLOSURE, MOTORS, DX AND HOT WATER COILS, FANS, DAMPERS. CLEAN/POWERWASH THE AIR-COOLED CONDENSER SECTIONS. CLEAN/VACUUM ALL
_	RF-	RETURN FAN	LOUVERS AND SCREENS ON UNITS. 4. RTU-1, RTU-2, RTU-3, & RTU-4: PROVIDE NEW FILTERS AND REPLACE ALL MOTOR/FAN BELTS. INSP
	RPM	REVOLUTIONS PER MINUTE	SHEAVES/PULLEYS FOR SATISFACTORY CONDITION.  5. RTU-5: PROVIDE NEW FILTERS. PROVIDE NEW SHEAVE/PULLEY TO PROVIDE PROPER OPERATION,
_	SA	SUPPLY AIR	AND AIRFLOW THROUGH UNIT. 6. BIPOLAR IONIZATION: PROVIDE PLASMA AIR NEEDLEPOINT BI-POLAR IONIZERS, RETROFITTED ON
_	SP	STATIC PRESSURE	EXISTING RTU'S (RTU-1, RTU-2, RTU-3, RTU-4, & RTU-5). BASED ON MODEL 7403, UL2998. MODULES POWERED BY 1-POLE 20-AMP CIRCUITS. BPI MODULES SHALL BE INSTALLED ON EXISTING RTU SUI
_	TD	TRANSFER DUCT	AIR DISCHARGE MAINS, UPSTREAM OF ALL BRANCH TAPS. INTERLOCK BPI MODULES WITH SUPPL'SWITCH.
			7. CONTROLS: DEMOLISH ALL EXISTING THERMOSTATS AND ASSOCIATED LOCAL CONTROLS THROUGHOUT THE BUILDING, INCLUDING STAND-ALONE CONTROLS AT EACH. PROVIDE NEW DIG
_	TF-	TRANSFER FAN	ELECTRONIC (BACKLIT) THERMOSTATS THROUGHOUT THE BUILDING FOR EACH RTU, VAV ZONE, A HEATING ZONE.
_	TSP	TOTAL STATIC PRESSURE	8. CONTROLS (ADD-ALTERNATE): PROVIDE SEPARATE LINE ITEM/PRICING FOR PROVIDING A FULL BU BMS TO CENTRALLY CONNECT/INTEGRATE ALL EXISTING EQUIPMENT AND NEW EQUIPMENT, INCL
_	TYP.	TYPICAL	BUT NOT LIMITED TO, BOILERS, PUMPS, ROOFTOP UNITS, VAV'S, ROOTOP FANS, AND THERMOSTA
_	U.O.N.	UNLESS OTHERWISE NOTED	
_	WB	WET BULB TEMPERATURE	
_	WG	INCHES OF WATER GAUGE	
	EX.	EXISTING TO REMAIN	
	REL.	REMOVE AND RELOCATE	
	NEW	NEW WORK	
	DEM.	EXISTING TO BE REMOVED	
	-	THERMOSTAT	
<b>→</b> √-	-	AIR INTO REGISTER	
•	-	POINT OF CONNECTION DISCONNECTION	
_	SR	SUPPLY REGISTER	
	CD	1-WAY	
<b></b> CD		2-WAY	
CD		2-WAY	
CD		3-WAY	
		4-WAY	
RR/RG/ER		RETURN REGISTER/GRILLE/EXHAUST REGISTER	
	-	SUPPLY DUCT UP	
		SUPPLY DUCT DOWN	
	-	DUCT RISE	
1	_		
]	_	DUCT TRANSITION	
	_	DUCT TRANSITION	
<del>////////</del>	_	ACQUISTIC LINING	
	AL	ACOUSTIC LINING	
	FD/AD	FIRE DAMPER W/ ACCESS DOOR	
	SD/AD	SMOKE DAMPER W/ ACCESS DOOR  COMBINATION FIRE/SMOKE DAMPER W/ ACCESS	
	CFSD	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS DOOR	
	VD	VOLUME DAMPER	
=	AL	ACOUSTIC LINING	
6x8		DUCT SIZE - 1ST FIGURE IS SIDE SHOWN	
<b>*</b>	FC	FLEXIBLE CONNECTION	
	_	ALUMINUM DUCT	
ER CFM	_	EXHAUST REGISTER	
CD-A CFM	_	NEW CEILING DIFFUSER	
\ CFM /			



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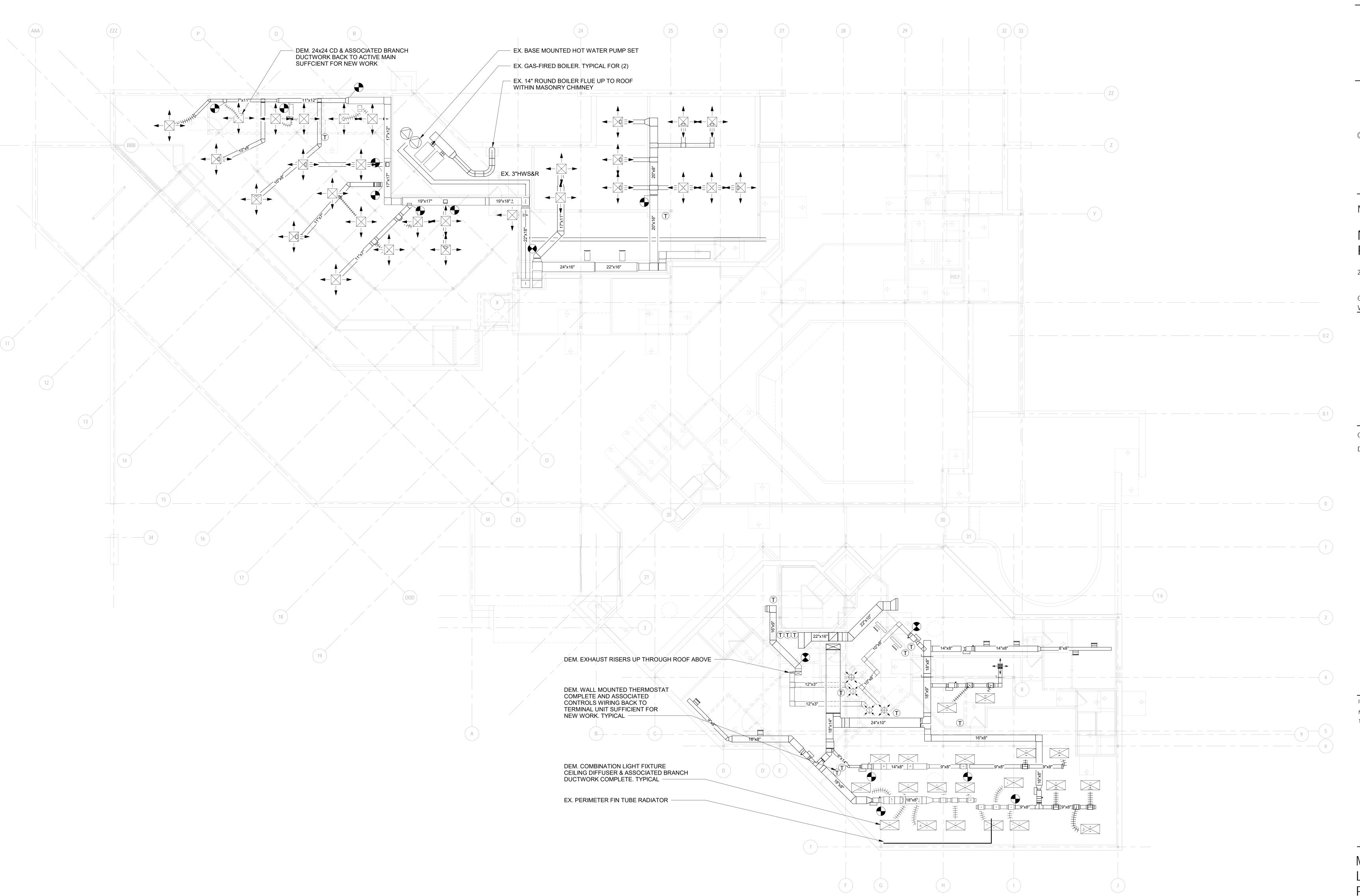
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07.09.2021

ISSUES AND REVISIONS NO. SUBMITTAL

DESIGN DEVELOPMENT

MECHANICAL SYMBOLS, ABBREVIATIONS AND NOTES



MECHANICAL LOWER LEVEL DEMOLITION PLAN

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

NOTES:

1. PROVIDE PRE-DEMOLITION CFM READINGS AT ALL AIR OUTLETS THROUGHOUT THE BUILDING WHETHER SHOWN OR NOT. REPORT FINDINGS TO ENGINEER FOR REVIEW.

VMDO

434.296.5684

200 E Market Street 1200 18th Street NW Ste 700 Charlottesville, VA 22902 Washington, DC 20036





New City Library

New City Library Addition & Renovation

220 N Main St, New City, NY 10956

Client Project Number VMDO Project Number

VMD0001.00

Checked By Drawn By

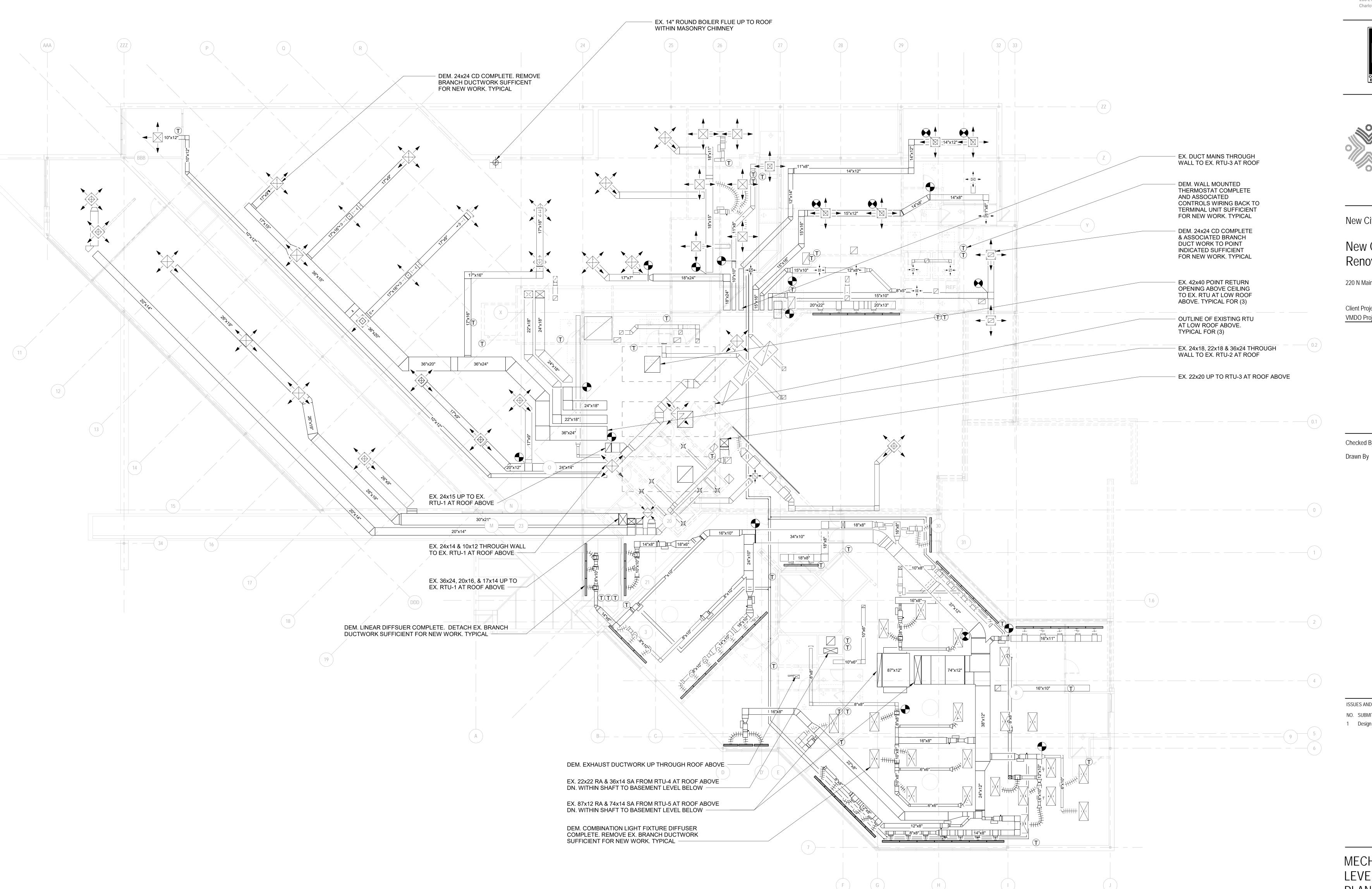
ISSUES AND REVISIONS

NO. SUBMITTAL 1 Design Development

07.09.2021

MECHANICAL LOWER LEVEL DEMOLITION PLAN

> M-101 DESIGN DEVELOPMENT



MECHANICAL MAIN LEVEL DEMOLITION PLAN

NOTES: 1. PROVIDE PRE-DEMOLITION CFM READINGS AT ALL AIR OUTLETS THROUGHOUT THE BUILDING WHETHER SHOWN OR NOT. REPORT FINDINGS TO ENGINEER FOR REVIEW.

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New City Library

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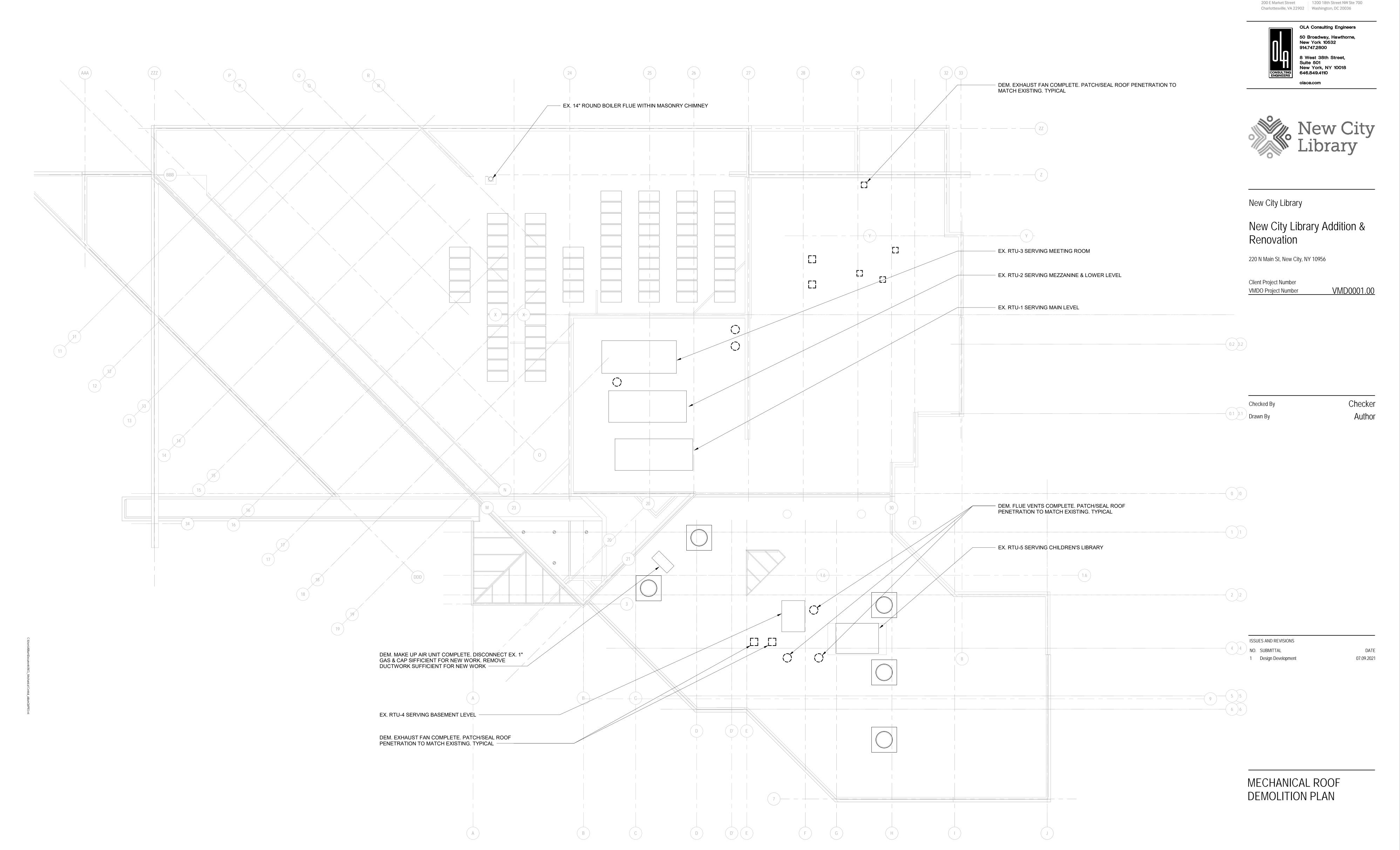
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ISSUES AND REVISIONS

NO. SUBMITTAL 1 Design Development

MECHANICAL MAIN LEVEL DEMOLITION PLAN

> M-102 DESIGN DEVELOPMENT



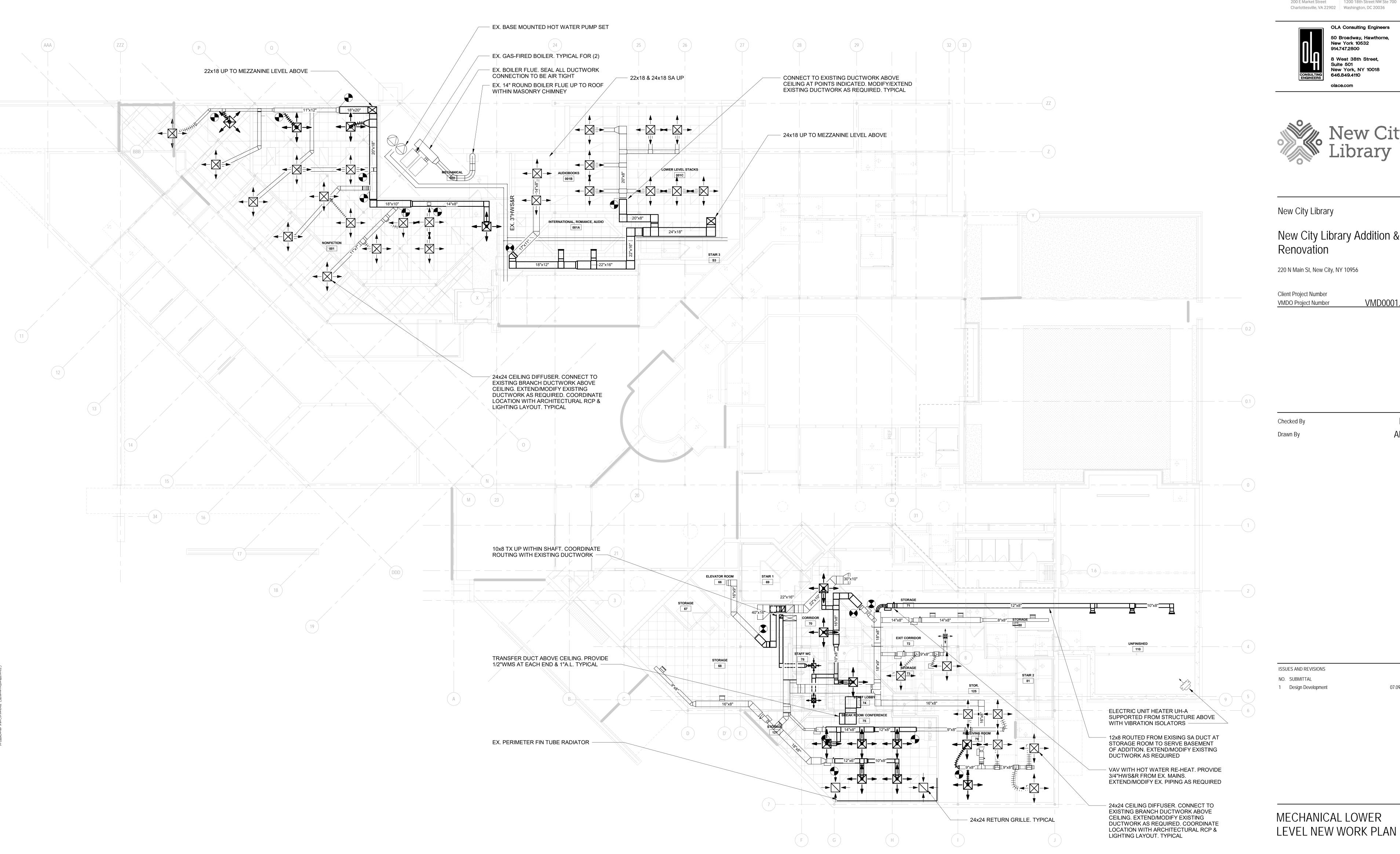
MECHANICAL ROOF DEMOLITION PLAN

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

N-103
DESIGN DEVELOPMENT
07.09.2021

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DATE 07.09.2021

ISSUES AND REVISIONS

NO. SUBMITTAL 1 Design Development

MECHANICAL LOWER

M-201

DESIGN DEVELOPMENT

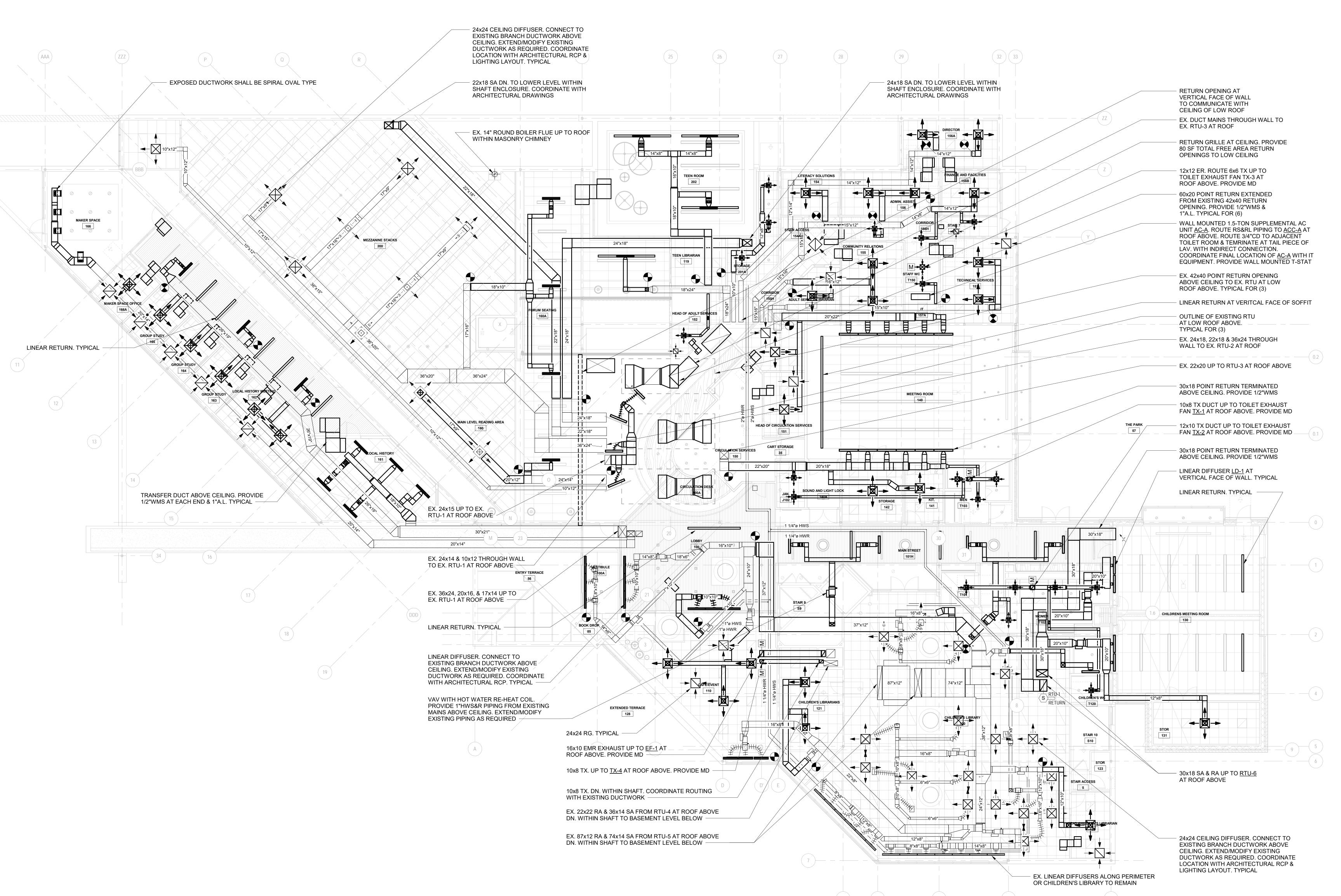
NOTES:

1. COMPLETELY VACUUM & CLEAN INTERIOR/EXTERIOR OF EXISTING DUCTWORK, DIFFUSERS, REGISTERS, GRILLES, VAV'S, WMS, ETC. WITHIN AREAS OF WORK.

WITHIN AREAS OF WORK.

2. PROVIDE VOLUME DAMPERS AT NEW & EXISTING DUCTWORK AS REQUIRED FOR PROPER BALANCING OF THE SYSTEM. 3. BALANCE ALL AIR TERMINALS THROUGHOUT LIBRARY TO VALUES RECORDED DURING THE PRE CONSTRUCTION T&B REMORT OR AS REVISED BY THE ENGINEER.

4. ALL NEW AIR OUTLET LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL RCP & LIGHTING LAYOUT.



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New York 10532 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.849.4110



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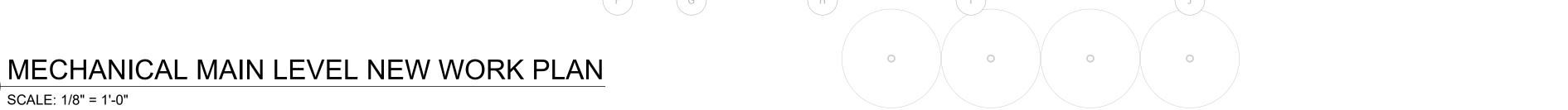
Drawn By

ISSUES AND REVISIONS

NO. SUBMITTAL 1 Design Development

07.09.2021

MECHANICAL MAIN LEVEL NEW WORK PLAN

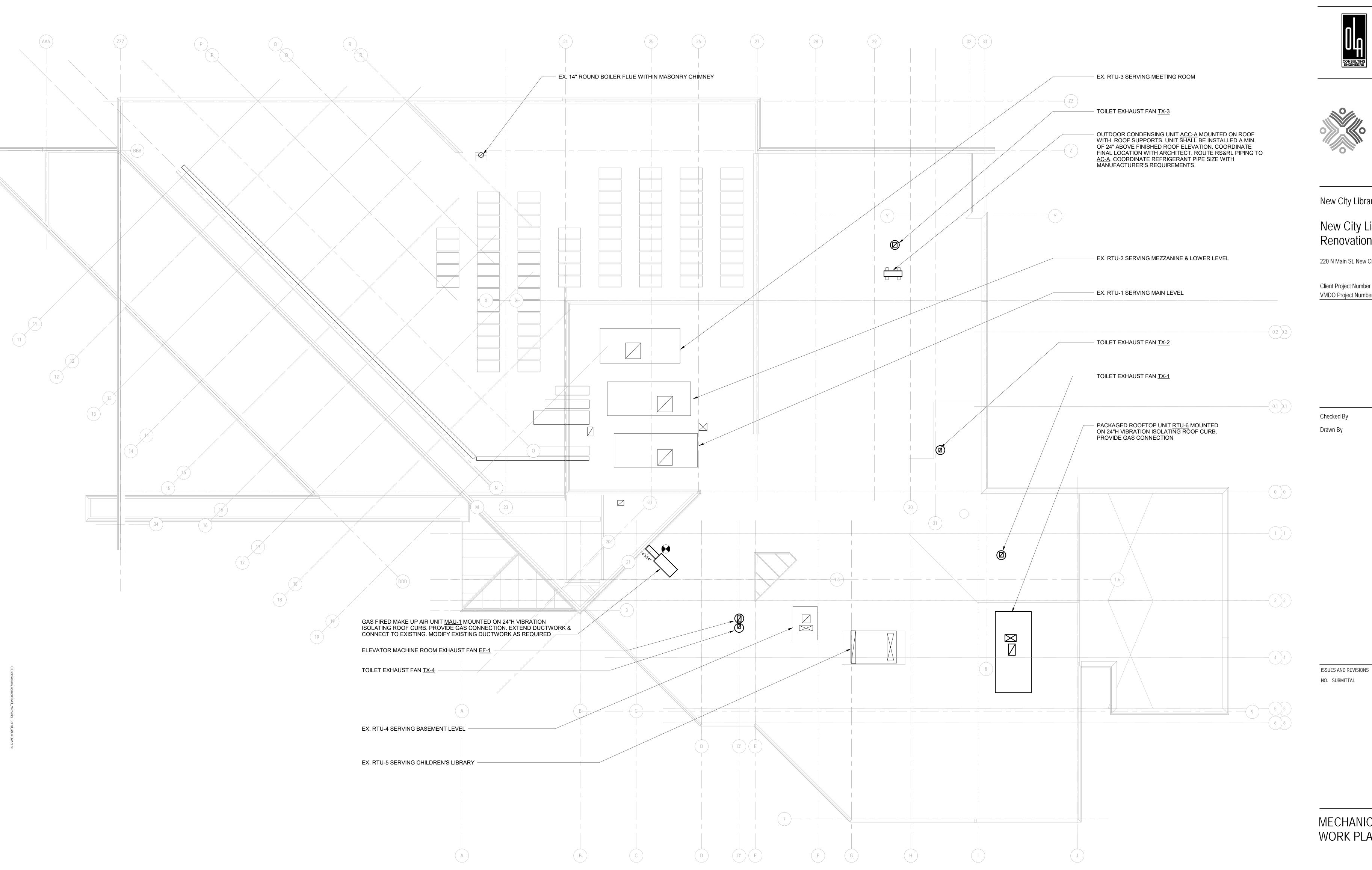


NOTES:

1. COMPLETELY VACUUM & CLEAN INTERIOR/EXTERIOR OF EXISTING DUCTWORK, DIFFUSERS, REGISTERS, GRILLES, VAV'S, WMS, ETC. WITHIN AREAS OF WORK.

2. PROVIDE VOLUME DAMPERS AT NEW & EXISTING DUCTWORK AS REQUIRED FOR PROPER BALANCING OF THE SYSTEM. 3. BALANCE ALL AIR TERMINALS THROUGHOUT LIBRARY TO VALUES RECORDED DURING THE PRE CONSTRUCTION T&B

REMORT OR AS REVISED BY THE ENGINEER. 4. ALL NEW AIR OUTLET LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL RCP & LIGHTING LAYOUT



MECHANICAL ROOF NEW WORK PLAN

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



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MECHANICAL ROOF NEW **WORK PLAN** 

M-203 DESIGN DEVELOPMENT

#### OADG/OANG) Unit Width: Refrigerant Charge Unit Height: Circuit 1: Supply Airflow: **3,000** CFM Elevation: Outside Airflow: **1,270** CFM Ambient Air DB: Minimum Airflow: **1,292** CFM Cooling Performance **169.2** MBh **Gross Total Capacity** Evaporator Face Area: **108.8** MBh Evaporator Rows / FPI: 6 / 14 Gross Sensible Capacity: **164.5** MBh Net Total Capacity: Condenser Face Area: Condenser Rows / FPI: 2 / 14 **104.1** MBh Net Sensible Capacity: Entering Air DB / WB (Coil): **76.8** / **64.2** F Air Velocity: Leaving Air DB / WB (Coil): 43.9 / 43.4 F Coil Air PD: EER: Leaving Air DB / WB (Reheat): 81.4 / 59.56 F 13.4 Leaving Air DB / WB (Unit): 83.1 / 60.2 F Watts: 14748 MRE: **96.47** lb/h **Heating Performance** 63 F Gas Furnace Entering Air DB: 100 F Leaving Air DB: Input Capacity **120** MBh Coil Air PD: **0.39** in H2O Output Capacity: | Energy Recovery Wheel ERC-3625C-4M **Summer Conditions** Winter Conditions **Ventilation Supply** <u>Outside</u> Ventilation Supply Airflow: 1,270 CFM Airflow: **1,270** CFM Airflow: 1,486 CFM\*\* DB: **79.4** F DB: **92.0** F DB: **53.5** F WB: **65.9** F WB: **73.0** F WB: **47.3** F PD: **0.39** in H20 PD: **0.39** in H20 Return **Exhaust** <u>Return</u> **Exhaust** Airflow: 1,486 CFM Airflow: 1,270 CFM Airflow: 1.486 CFM Airflow: **1,270** CFM DB: DB: **85.8** F DB: **75.0** F DB: **70.0** F **32.1** F WB: **63.0** F WB: **69.5** F WB: **31.1** F WB: **58.0** F ESP: **1.00** in H20 ESP: **1.00** in H20 ERV PD: **0.39** in H20 ERV PD: **0.39** in H20 Total Capacity: 90.68 MBH Total Capacity: 32.61 Sensible Capacity: 20.27 MBH Eff. 0.74 Sensible Capacity: 69.83 MBH Eff: **0.74** Latent Capacity: 12.34 MBH Eff: 0.72 Latent Capacity: 20.85 MBH Eff: 0.71 UNIT MANUFACTURER SHALL BE BASED ON TRANE 1. PROVIDE THE FOLLOWING OPTIONS FOR ALL UNITS: HIGH STATIC DRIVE MOTOR. COORDINATE LEFT/RIGHT HAND FAN DRIVE IN FIELD. UNITS SHALL BE HIGH EFFICIENCY. 100% MODULATING ECONOMIZER WITH DIFFERENTIAL ENTHALPY CONTROL AND ECONOMIZER HOOD. OUTSIDE AIR INTAKE DAMPER FOR EACH VARIABLE AIR VOLUME UNIT SHALL BE ARRANGED MODULATE TO MAINTAIN CONSTANT OAI CFM, INDEPENDENT OF VARIABLE SA CFM. PROVIDE AN OUTSIDE AIR INTAKE AIRFLOW MEASURING STATION. FURNISH EXTRA DRIVE BELT AND EXTRA FILTER SET FOR EACH UNIT. UNIT SHALL BE MOUNTED ON 24" HIGH VIBRATION ISOLATION ROOF CURB. POWER EXHAUST FAN, ARRANGED TO RUN IN ECONOMIZER MODE, WITH BAROMETRIC RELIEF WHEN ECONOMIZER UNIT MOUNTED COMBINATION VFD-STARTER/DISCONNECT WITH BY-PASS. PROVIDE MERV-13 FILTERS TO BE SHIPPED LOOSE AND FIELD INSTALLED AT RETURN AIR FILTER RACK. . PROVIDE THE FOLLOWING MOTOR CONTROL OPTIONS FOR ALL UNITS:

UNITARY CONTROLLER BY AUTOMATIC TEMPERATURE CONTROLS MANUFACTURER, COMPATIBLE WITH THE

ALL MOTORS 1 HP OR GREATER SHALL BE PREMIUM EFFICIENCY. ALL MOTORS FURNISHED WITH VARIABLE FREQUENCY DRIVES SHALL BE INVERTER DUTY RATED & APPROVED FOR VARIABLE SPEED AND TORQUE

INDOOR/OUTDOOR UNIT DESIGNATION

NOMINAL COOLING CAPACITY (TONS)

CONDENSATE DRAIN PIPE SIZE (IN)

INDOOR EVAPORATOR UNIT DATA

**OUTDOOR CONDENSING UNIT DATA:** 

HEIGHT x WIDTH x DEPTH (IN)

HEIGHT x WIDTH x DEPTH (IN)

0° LOW AMBIENT CONTROLS.

ELECTRICAL CONTRACTOR.

· HARD WIRED REMOTE CONTROLLER

INSTALLED BY THE ELECTRICAL CONTRACTOR.

OUTDOOR UNIT TO THE INDOOR UNIT.

ELECTRICAL DATA (CONNECTION AT OUTDOOR UNIT):

PROVIDE THE FOLLOWING OPTIONS FOR EACH UNIT:

INTEGRAL CONDENSATE PUMP PACKAGE AT INDOOR UNIT

4. SINGLE POINT EXTERNAL POWER CONNECTION FOR EACH

2. FIELD SUPPLIED LOCAL DISCONNECT SWITCH AT INDOOR UNIT SHALL BE

OUTDOOR UNIT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR &

5. THE AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE

FURNISHED BY THE MECHANICAL CONTRACTOR & INSTALLED BY THE

3. FIELD SUPPLIED WEATHERPROOF LOCAL DISCONNECT SWITCH AT

INDOOR/OUTDOOR SET OF UNITS SHALL BE AT THE OUTDOOR UNIT. THE

6. PROVIDE ALL REQUIRED MOUNTING BRACKETS, ETC. FOR WALL HUNG

ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING FROM THE

CONTROL WIRING BETWEEN THE OUTDOOR UNIT AND INDOOR UNIT.

COOLING CAPACITY (BTU/HR)

MANUFACTURER

CFM (H/M/L/SL)

RS PIPE SIZE (IN)

RL PIPE SIZE (IN)

SEER/EER

VOLTS/Ø/Hz

LOCATION

MCA/RLA/MOP

WEIGHT (LBS)

LOCATION

WEIGHT (LBS)

REFRIGERANT TYPE

WIND BAFFLE

INDIVIDUAL EXTERNAL POWER CONNECTION AT UNIT FOR MAIN UNIT AND POWER EXHAUST FAN. UNIT-MOUNTED DISCONNECT SWITCH, AND FACTORY INSTALLED MOTOR STARTERS. VAV UNITS SHALL HAVE FACTORY MOUNTED

**DUCTLESS SPLIT-SYSTEM AC UNIT** 

SCHEDULE

AC-A/ACC-A

DAIKIN

1.5

18,000

716/605/467/395

18.5/12.5

208-230/1/60

13.4/13/20

IT 157A

FTK18AXVJU

 $11\frac{1}{16}$ "x39\frac{1}{2}"x11\frac{1}{3}"

WALL MOUNTED

ROOF

RK18AXVJU

27<sup>13</sup>/<sub>32</sub>"x36<sup>5</sup>/<sub>8</sub>"x13<sup>13</sup>/<sub>16</sub>'

99

R-104A

BUILDING AUTOMATION SYSTEM.

APPLICATIONS.

VFD'S WITH H-O-A.

MAKE-UP AIR UNIT SCHEDULE

## PACKAGED ROOFTOP UNIT RTU-6 SCHEDULE **Unit Information** Model: Horizon™ (OAD/N Unit Length: **219** in Weight Operating: 4018 lb\* Note: Weight does not include CURB weight. See CURB submittal for actual **10.42** sq ft **287** fpm **6.54** lb/kWh \*\* TAB Outside airflow through OA Intake to this value **Outside** Airflow: **1,486** CFM\*\* WB: **8.0** F

#### **EQUIPMENT NOTES**

- MOTORIZED DAMPERS: SHALL BE LOW LEAKAGE TYPE RUSKIN MODEL CD40, 4" DEEP EXTRUDED ALUMINUM AIRFOIL DAMPER. DAMPER SHALL HAVE OPPOSED BLADES, MOTOR AND LINKAGE. DAMPERS SHALL BE 120V/1¢/60Hz, 3 AMPS MAX. FURNISH DISCONNECT SWITCH.
- BACK-DRAFT DAMPERS: SHALL BE RUSKIN MODEL BD6, HEAVY DUTY BACK-DRAFT DAMPER, EXTRUDED ALUMINUM FRAME & DAMPER. DAMPER SHALL HAVE PARALLEL BLADES. SIZE AS INDICATED ON PLAN. PROVIDE SPC STATIC PRESSURE CONTROL.
- VOLUME CONTROL DAMPERS: FOR ALL ROUND & RECTANGULAR VOLUME CONTROL DAMPERS THAT ARE LOCATED ABOVE INACCESSIBLE CEILINGS, PROVIDE CABLE OPERATED DAMPERS. ROUND DAMPERS SHALL BE YOUNG BOWDEN MODEL 5020-CC. RECTANGULAR DAMPERS SHALL BE MODEL 830-CC2. CABLE CONTROLS SHALL BE MODEL 270-275 FOR CONCEALED LOCATIONS & MODEL 270-896C FOR LOCATIONS WHERE CABLES TERMINATE IN FINISHED SPACES. COORDINATE LOCATIONS IN THE FIELD.
- SIDEWALL SUPPLY AIR REGISTERS: SHALL BE BASED ON TITUS MODEL 300FL. ALUMINUM CONSTRUCTION. WITH 3/4" SPACING. DOUBLE DEFLECTION AIRFOIL BLADES, OPPOSED BLADE VOLUME DAMPER IN NECK, SIZE AND CFM AS NOTED ON PLANS. FINISH SHALL BE BAKED ON ENAMEL. SUBMIT COLOR CHART FOR APPROVAL. FRAME SHALL BE SUITABLE FOR LAY-IN OR SURFACE MOUNTING AS REQUIRED. COORDINATE WITH ARCH PLANS.
- RETURN & EXHAUST AIR REGISTERS: SHALL BE BASED ON TITUS MODEL 355FL, 1/2" SPACING, 35° FIXED DEFLECTION, ALL ALUMINUM CONSTRUCTION, AIRFOIL BLADES WITH OPPOSED BLADE VOLUME DAMPERS, SIZE AND CFM AS NOTED ON PLANS. FINISH SHALL BE BAKED ON ENAMEL, COLOR SHALL BE WHITE. FRAME SHALL BE SUITABLE FOR SURFACE MOUNT OR LAY IN. COORDINATE WITH ARCH PLANS.
- ELECTRIC UNIT HEATER (UH-A): SHALL BE BASED ON MODINE MODEL HER-30C-3101, RATED AT 3kW, 380 CFM, 10.2 MBH, 208/3/60 WITH 25° TEMP. RISE & 12' THROW. PROVIDE THE FOLLOWING OPTIONS. FAN GAURD, AIR DEFLECTION LOUVER, SUMMER FAN SWITCH, HEAT PURGE FAN DELAY SWITCH, DISCONNECT SWITCH & WALL THERMOSTAT.
- RETURN & EXHAUST AIR REGISTERS: SHALL BE TITUS MODEL 355FL, 1/2" SPACING, 35° FIXED DEFLECTION, ALL ALUMINUM CONSTRUCTION, AIRFOIL BLADES WITH OPPOSED BLADE VOLUME DAMPERS, SIZE AND CFM AS NOTED ON PLANS. FINISH SHALL BE BAKED ON ENAMEL, COLOR SHALL BE WHITE. FRAME SHALL BE SUITABLE FOR SURFACE MOUNT OR LAY IN. COORDINATE WITH ARCH PLANS.
- ALL HVAC EQUIPMENT SHALL HAVE 3" HIGH BLACK LAMACOID NAME PLATES WITH WHITE ENGRAVED LETTERS PERMANENTLY FASTENED TO EQUIPMENT. TYPICAL FOR ALL PUMPS AND HVAC EQUIPMENT
- 9. VAV BOXES: SHALL BE BASED ON TITUS DESV SINGLE DUCT. COOLING ONLY OR COOLING/HOT WATER HEATING AS INDICATED WITH DIGITAL ELECTRONIC PRESSURE INDEPENDENT CONTROLS SUPPLIED BY CONTROLS CONTRACTOR AND MOUNTED BY THE TERMINAL UNIT MANUFACTURER. CONTROL ENCLOSURE SHALL NOT EXCEED 10.25" HEIGHT FOR A LOW HEIGHT OPTION.CONTROLS SHALL BE COMPATIBLE WITH PNEUMATIC INLET VELOCITY SENSORS SUPPLIED BY THE TERMINAL MANUFACTURER. THE SENSOR SHALL BE MULTI-POINT CENTER AVERAGING TYPE, WITH A MINIMUM OF FOUR MEASURING PORTS PARALLEL TO THE TAKE-OFF POINT FROM THE SENSOR. SENSORS WITH MEASURING PORTS IN SERIES ARE NOT ACCEPTABLE. THE SENSOR MUST PROVIDE A MINIMUM DIFFERENTIAL PRESSURE SIGNAL OF 0.03 INCH WG. AT AN INLET VELOCITY OF 500 FPM. THE TERMINAL CASING SHALL BE MINIMUM 22-GAUGE GALVANIZED STEEL, INTERNALLY LINED WITH 1-INCH MATTE FACED, NATURAL FIBER INSULATION THAT COMPLIES WITH UL 181 AND NFPA 90A. THE LINER SHALL COMPLY WITH ASTM G21 AND G22 FOR FUNGI AND BACTERIAL RESISTANCE. FIBERGLASS SHALL NOT BE ACCEPTED. THE TERMINAL MANUFACTURER SHALL PROVIDE A CLASS II 24 VAC TRANSFORMER AND DISCONNECT SWITCH; BOX SHALL BE U.L. LISTED AND LABELED. ELECTRICAL CONTRACTOR SHALL INSTALL & PROVIDE POWER/CIRCUITRY TO DISCONNECT SWITCH AND TRANSFORMER.AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR SHALL FURNISH AND INSTALL ALL VAV BOX CONTROLS & CONTROL WIRING.MAXIMUM RADIATED NC< 30, MAXIMUM DISCHARGE NC< 28.COORDINATE RIGHT HAND / LEFT HAND CONNECTIONS AND CONTROL PANEL IN FIELD.
- 10. LINEAR DIFFUSERS AND LINEAR RETURNS, LD / LR, SHALL BE TITUS MODEL FL-10 HIGH-THROW WITH TITUS PLENUM, 1" SLOT WIDTH, 1 SLOT, 50 CFM/LF @ 0.136 STATIC PRESSURE, NC<25 AND 12-15-21 THROW AT 150-100-50 FPM VELOCITIES. FINISH SHALL BE A BAKED ANODIC ACRYLIC PAINT, COLOR AS SELECTED BY ARCHITECT. BORDER SHALL BE TYPE 22 (TAPE & SPACKLE). PROVIDE 1" THICK INSULATED PLENUM SIMILAR TO TITUS MODEL FBPI FOR EACH LENGTH OF LD AS SHOWN ON PLAN. REFER TO PLAN FOR ACTIVE SECTIONS AND TOTAL DIFFUSER LENGTHS.
- 11. REFRIGERANT PIPE INSULATION: SHALL BE AP ARMAFLEX PIPE INSULATION. 3/4" THICK UNSLIT, TO BE INSTALLED BEFORE FINAL CONNECTION. FIELD FABRICATE FITTING INSULATION WITH MITER-CUTS. ALL BUTT JOINTS AND SEAMS ARE TO BE SEALED WITH ARMSTRONG 520 ADHESIVE. ALL INSULATION INSTALLED OUTDOORS SHALL BE COATED WITH ARMSTRONG ARMAFLEX FINISH, AS PER THE MANUFACTURERS RECOMMENDATIONS.
- 12. PIPE INSULATION JACKETING: SHALL BE WHITE ZESTON 2000 PVC COVERS FOR PIPING AND FITTINGS. JACKET ALL PIPING AND FITTING THAT ARE EXPOSED IN ANY ROOM.
- 13. PIPE LABELS: SHALL BE SETON ULTRA-MARK WEATHER RESISTANT FOR OUTDOOR APPLICATION AND OPTI-CODE FOR INDOOR APPLICATION. LETTERS AND ARROWS SHALL BE 2 1/2" HIGH AND SHALL BE WHITE ON A GREEN BACKGROUND AND SHALL CONFORM TO ANSI AND OSHA STANDARDS. APPLY OVER INSULATION ONLY.
- 14. BI-POLAR IONIZATION: PROVIDE THREE (3) PLASMA AIR NEEDLEPOINT BI-POLAR IONIZERS, MODEL 7403, UL2998. MODULES SHALL BE POWERED VIA 1 POLE. 20 AMP CIRCUIT BPI MODULES SHALL BE INSTALLED ON RTU-1 SUPPLY AIR DISCHARGE MAIN. UPSTREAM OF ALL BRANCH TAPS. INTERLOCK BPI MODULES WITH SUPPLY FAN SWITCH.

	FAN SCHEDULE									
DESIGNATION	TX-1	TX-2	TX-3	TX-4	EF-1					
LOCATION	ROOF	ROOF	ROOF	ROOF	ROOF					
AREA SERVED	MEN T103	WOMEN T102	STAFF T150	STAFF WC 78	BASEMENT EMR					
MODEL	G-070-VG	G-095-VG	G-060-VG	G-060-VG	G-070-VG					
CFM	250	350	50	100	200					
ВНР	0.03	0.05	0.01	0.01	0.02					
HP	1/15	1/6	1/100	1/100	1/15					
FAN RPM	1,684	1,190	1,188	1,476	1,366					
SP (IN H <sub>2</sub> O)	0.375	0.375	0.2	0.25	0.25					
VOLTS/Ø/Hz	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60					
INTERLOCK	-	-	-	-	-					

### FANS BASED ON GREENHECK

- . ALL MOTORS 1 HP OR GREATER SHALL BE PREMIUM EFFICIENCY. ALL MOTORS FURNISHED WITH VARIABLE FREQUENCY DRIVES SHALL BE INVERTER DUTY RATED & APPROVED FOR VARIABLE SPEED AND TORQUE APPLICATIONS.
- FURNISH RUBBER IN SHEAR OR SPRING VIBRATION ISOLATORS AS PER THE SPECIFICATION.
- 3. FURNISH WALL MOUNTED SPEED CONTROLLER OR THERMOSTAT AS INDICATED ON PLAN.
- 4. FURNISH MOTOR AND BELT GUARDS FOR ALL EXTERNAL MOTOR DRIVES.
- 5. FURNISH 24" HIGH ROOF CURB FOR ALL ROOFTOP FANS. 6. MOTOR STARTER & DISCONNECT SWITCH FOR EACH FAN SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR & INSTALLED BY THE ELECTRICAL CONTRACTOR. EACH ROOFTOP FAN SHALL BE FURNISHED WITH WEATHERPROOF UNIT-MOUNTED LOCAL DISCONNECT
- 7. FURNISH MOTORIZED BACK-DRAFT DAMPER IN ROOF CURB FOR ALL ROOFTOP FANS.

CEILING DI	FFUSE	R SCH	EDULE	
DESIGNATION	CD	1—1		-
MODEL	ON	/NI		
MAX CORE VEL (FT/MIN)	5	50		
MAX NC	2	:5		
CONSTRUCTION	STI	EEL		
FRAME	LA`	/-IN		
DEFLECTION	4 V	/AY		
FACE SIZE	24x24	/ 12x12		
	CFM RANGE	NECK SIZE Ø	CFM RANGE	NECK SIZE Ø
	0-100	6"		
	101-200	8"		
	201-350	10"		
	351-450	12"		
	451-600	14"		
	601-700	15"		

- 1. CEILING SUPPLY DIFFUSERS ARE BASED ON TITUS.
- 2. ALL DIFFUSERS SHALL BE EQUIPPED WITH AN OPPOSED BLADE VOLUME DAMPER.
- COORDINATE COLOR SELECTION WITH ARCH PLANS. 4. SUPPLY DIFFUSERS SHALL HAVE FRAMES AND BORDERS SUITABLE FOR THE CONSTRUCTION IN WHICH THEY WILL BE INSTALLED,
- CONTRACTOR TO COORDINATE. 5. ALL LAY-IN DIFFUSERS SHALL HAVE A MODULE SIZE OF 24x24. FACE SIZES SHOWN IN SCHEDULE ARE FOR SURFACE MOUNT DIFFUSERS. NECK SIZES VARY ACCORDING TO THE SCHEDULE. 6. DIFFUSER BLOW PATTERN IS AS SHOWN ON DRAWINGS.

# DRAWING NOT FOR

CONSTRUCTION

DATE

07.09.2021

ISSUES AND REVISIONS

NO. SUBMITTAL DESIGN DEVELOPMENT

MECHANICAL SCHEDULES

DESIGN DEVELOPMENT

vmdo.com 434.296.5684 200 E Market Street 1200 18th Street NW Ste 700 Charlottesville, VA 22902 Washington, DC 20036 OLA Consulting Engineers 50 Broadway, Hawthorne, New York 10532

VWDO



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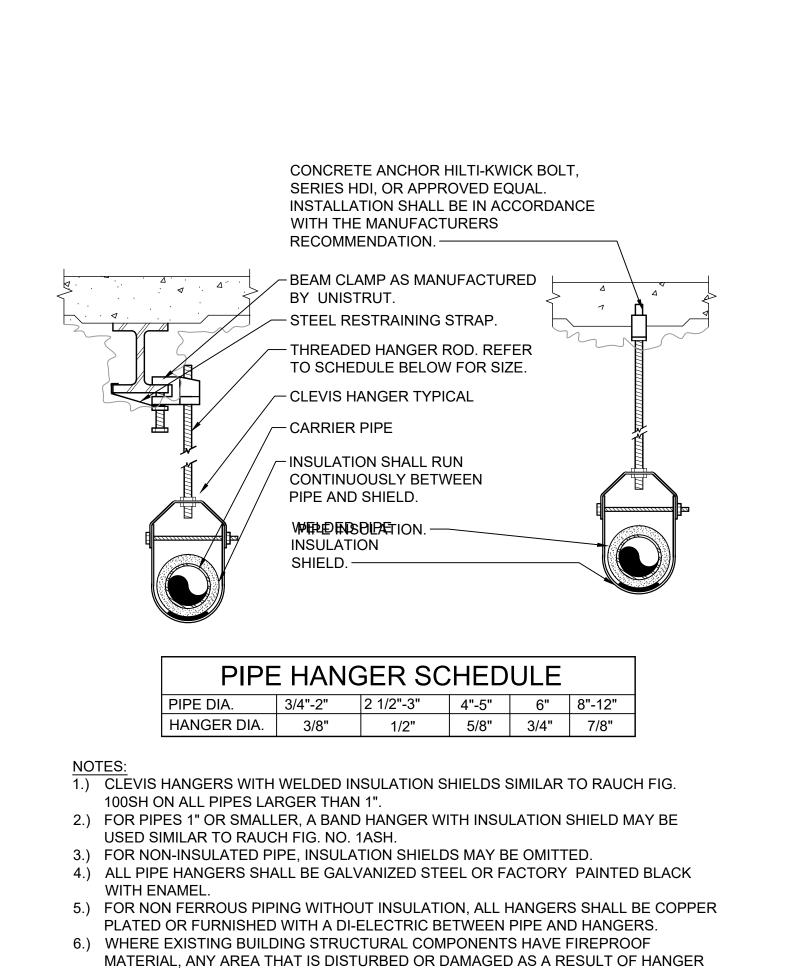
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220 North Main Street New City, NY 10956

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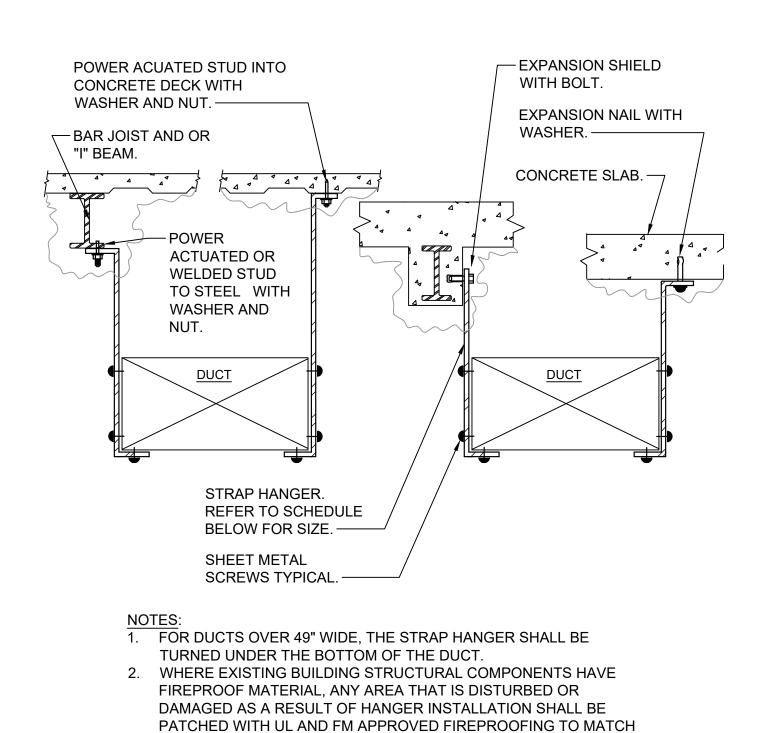
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INSTALLATION SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO

7.) ALL ANCHORS AND INSERTS SHALL HAVE NEW YORK CITY BOARD OF STANDARD



3. ALL ANCHORS AND INSERTS SHALL HAVE NEW YORK CITY BOARD

HANGER STRAP SCHEDULE

HANGER SIZE

1" x ½6"

1" x 1/8"

1" x ½"

1" x ½"

MAXIMUM SPACING

8'-0"

8'-0"

6'-0"

OF STANDARD AND APPEALS, (BSA) APPROVAL.

DUCT SIZE

2 SQ. FT. TO 4 SQ. FT.

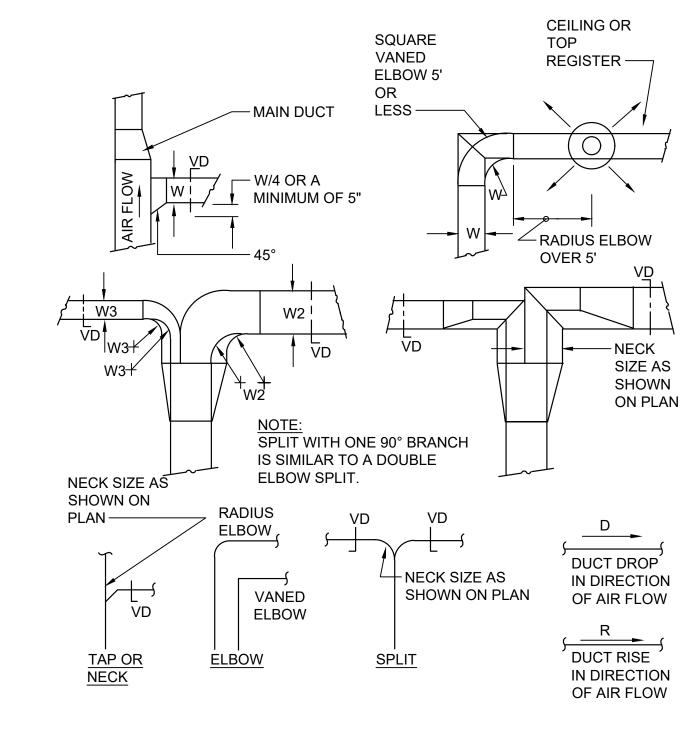
4 SQ. FT. TO 10 SQ. FT.

UP TO 2 SQ. FT.

DUCT HANGER DETAIL

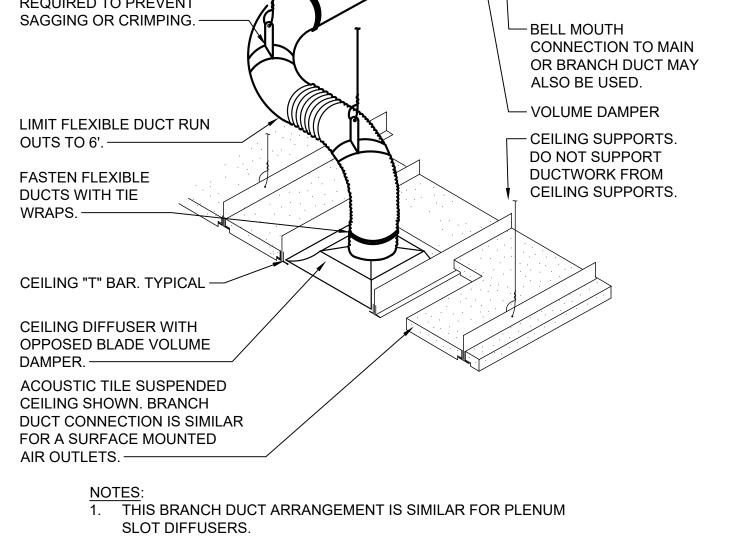
TRANSITION TO ROUND SHEET METAL DUCT -SUPPORT ALL FLEXIBLE AND SHEET METAL DUCTWORK FROM **BUILDING STRUCTURAL** MEMBERS ONLY. —— THE MAXIMUM HANGER SPACING SHALL 10'. SUPPORT FLEXIBLE DUCTWORK AS REQUIRED TO PREVENT SAGGING OR CRIMPING. - BELL MOUTH CONNECTION TO MAIN OR BRANCH DUCT MAY ALSO BE USED. - VOLUME DAMPER LIMIT FLEXIBLE DUCT RUN CEILING SUPPORTS. OUTS TO 6'. — DO NOT SUPPORT DUCTWORK FROM FASTEN FLEXIBLE CEILING SUPPORTS. **DUCTS WITH TIE** CEILING "T" BAR. TYPICAL CEILING DIFFUSER WITH OPPOSED BLADE VOLUME DAMPER. -ACOUSTIC TILE SUSPENDED CEILING SHOWN. BRANCH DUCT CONNECTION IS SIMILAR FOR A SURFACE MOUNTED AIR OUTLETS. -

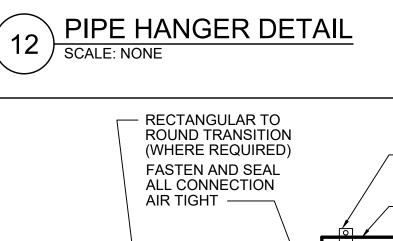
MAIN OR BRANCH DUCT -



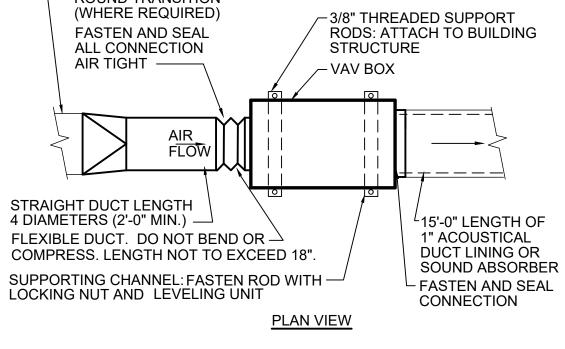
#### 1. SINGLE LINE REPRESENTATIONS REFER TO DOUBLE LINE DETAILS. 2. USE RADIUS OR SQUARE VANED BENDS FOR BOTH ELBOWS AND SPLITS AS DETERMINED BY SPACE LIMITATIONS, AND THE DISTANCE FROM AIR

- 3. ALL SQUARE ELBOWS SHALL HAVE FACTORY TURNING VANES, AND
- MAINTAIN A CONSTANT WIDTH. 4. WHERE DUCTS SPLIT, THE SOLID LINE REPRESENTATION IS PREFERRED,
- UNLESS PRECLUDED BY SPACE, OR OTHERWISE INDICATED. 5. USE ELBOW SPLIT FOR BRANCH CONNECTIONS ONLY WHERE NECK SIZE IS
- \ DUCT BRANCH TAKE-OFF DETAIL





AND APPEALS, (BSA) APPROVAL.



NOTES:

SCALE: NONE

DRAIN PAN

CLEAN OUT——

4x4 PRESSURE

TREATED BLOCK

- 1.) THE OPERATION OF VARIABLE VOLUME TERMINAL UNITS ARE AFFECTED BY EXCESSIVE TURBULENCE ON THE ENTERING SIDE OF EACH TERMINAL UNIT. THEREFORE, TERMINAL UNITS MUST NOT BE INSTALLED TO CLOSE TO MAIN DUCTS, ELBOWS AND FITTINGS 2.) WHEN MINIMUM UPSTREAM STRAIGHT DUCT CONNECTION TO TERMINALS AS INDICATED ABOVE CANNOT BE MAINTAINED, PROVIDE ORIFICE PLATE, STRAIGHTENING VANES OR OTHER DEVICE AS RECOMMENDED BY TERMINAL UNIT MANUFACTURER AND SUBMIT TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION. 3.) MANUFACTURER OF TERMINAL UNIT SHALL PROVIDE CONTROLS ON LEFT OR RIGHT SIDE
- AS REQUIRED BY FIELD CONDITIONS. 4.) ARRANGE ACCESS TO PERMIT EASY FIELD BALANCE AND MAINTENANCE OF TERMINAL UNIT.

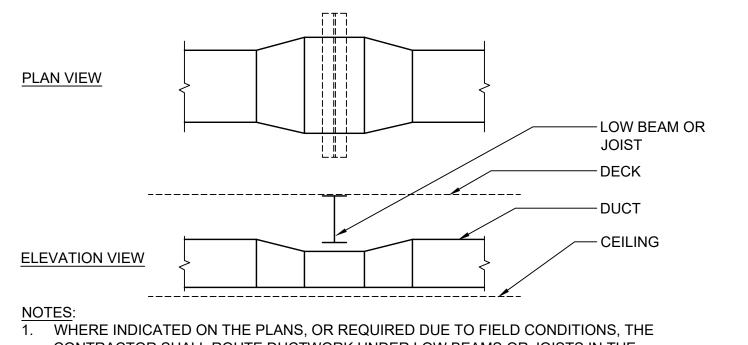
TERMINAL UNIT INSTALLATION DETAIL

DRAIN LINE SHALL BE AT LEAST THE SAME SIZE AS THE NIPPLE ON THE

PITCH DOWN TOWARD DRAIN

#### DUCT HANGER (TYP.) — HARD ROUND HANGER → SUPPLY DUCT -**ELBOW** — FLEXIBLE DUCT UP TO 4' MAX. LENGTH / HARD SUPPLY COLLAR -ROUND NECK, D-ROUND NECK DIFFUSER —

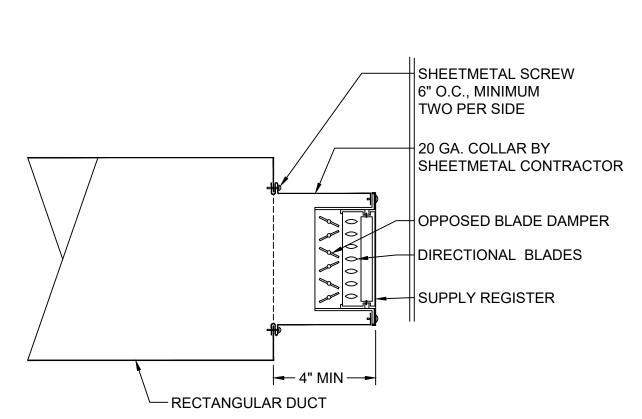
ROUND CONNECTION TO ROUND NECK DIFFUSER SCALE: NONE



- CONTRACTOR SHALL ROUTE DUCTWORK UNDER LOW BEAMS OR JOISTS IN THE MANNER INDICATED ABOVE.
- 2. REDUCE DUCT HEIGHT AT THE CROSSING IN ORDER TO FIT UNDER THE BEAM OR 3. INCREASE DUCT WIDTH AT THE CROSSING IN ORDER TO MAINTAIN THE SAME
- CROSS SECTIONAL AREA. 4. USE SMACNA APPROVED TRANSITIONS.

6 FLEXIBLE DUCT CONNECTION DETAIL
SCALE: NONE

\ DUCT UNDER LOW BEAM DETAIL SCALE: NONE



PROPERLY SIZED **CONTROL POWER** 

120 VOLT

TRANSFORMER

BY ELECTRICAL

CONTRACTOR

SUPPLY REGISTER MOUNTING DETAIL FOR EXPOSED DUCTWORK 2 SCALE: NONE

BY HVAC

CONTRACTOR

AND DAMPERS)

NOTE: MECHANICAL

CONTRACTOR TO FURNISH

TO BE INSTALLED BY THE

**ELECTRICAL CONTRACTOR** 

(TYPICAL FOR ALL CONTROL VALVES

MOTOR RATED TOGGLE SWITCH

# DRAWING NOT FOR CONSTRUCTION

ISSUES AND REVISIONS NO. SUBMITTAL DESIGN DEVELOPMENT

DATE

07.09.2021

VMDO

200 E Market Street 1200 18th Street NW Ste 700 Charlottesville, VA 22902 Washington, DC 20036

New York 10532

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New City Library Addition &

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vmdo.com 434.296.5684

New City Library

Renovation

220 North Main Street

VMDO Project Number

Checked By

Drawn By

New City, NY 10956

MECHAINCAL DETAILS

1 OF 2

DESIGN DEVELOPMENT

- DRAIN PAN

DRAW THRU PLUS X 1" (25 MM) MINIMUM WHERE X = STATIC PRESSURE IN PAN AIR HANDLING UNIT DRAIN TRAP DETAIL

CONDENSATE DRAIN

TO ROOF DRAIN, SEE

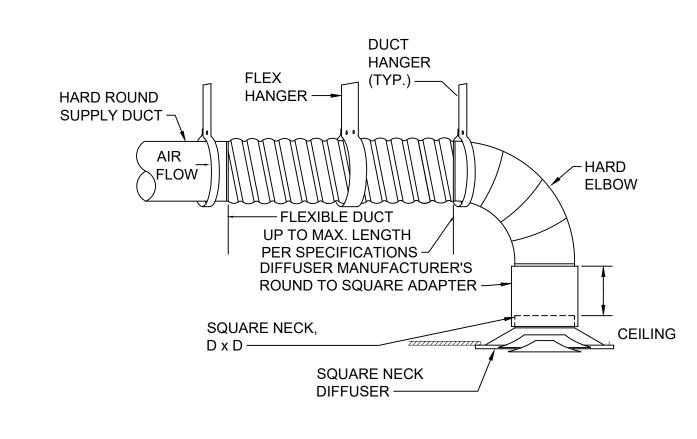
ROOF PLANS FOR

ROUTING

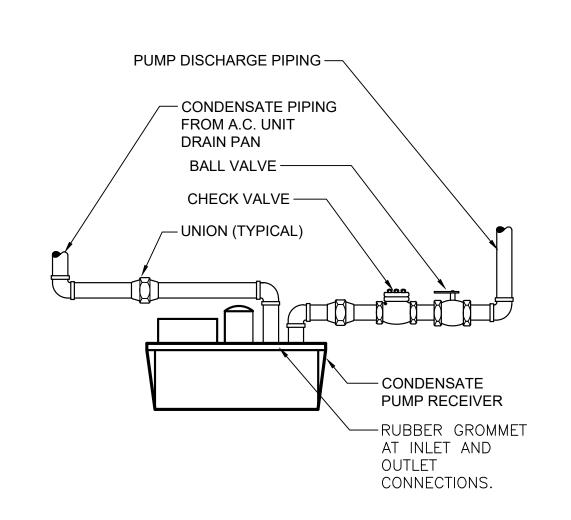
2" (50 MM)

**DESIGNER'S NOTE:** 

**UNIT TYPE** 



TO SQUARE NECK DIFFUSER SCALE: NONE



CONDENSATE PUMP PIPING SCHEMATIC

CONTROL VALVE WIRING SCHEME SCALE: NONE

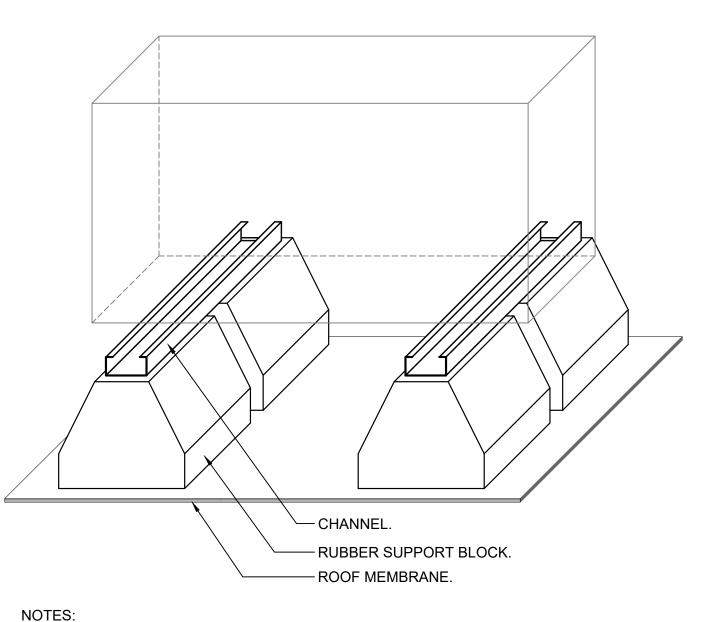
CONTROL WIRING

AND CONDUIT

TWO OR THREE

WAY VALVE.

**ROUND CONNECTION** 



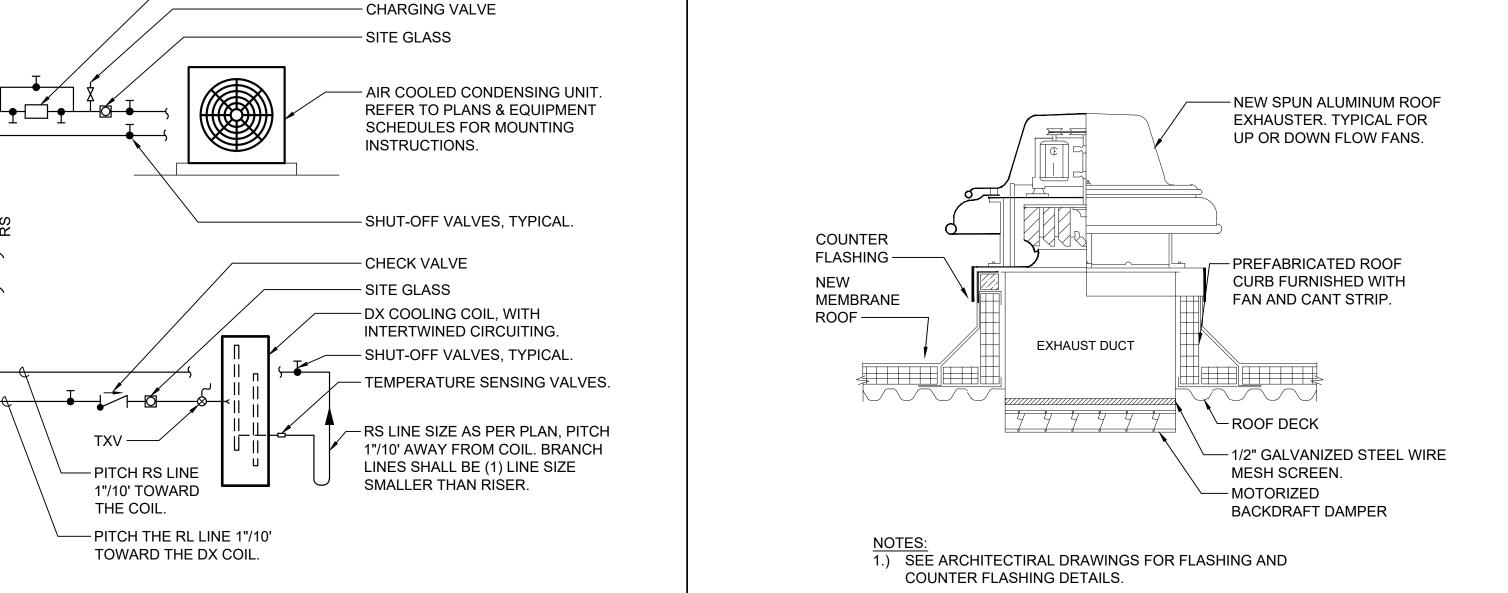
1.) EQUIPMENT SUPPORTS SHALL BE AS MANUFACTURED BY COOPER B-LINE, TYPE DB "DURA-BLOCK", WITH CONTINUOUS 14 GA, 1" HIGH GALVANIZED STEEL CHANNEL &

- 100% RECYCLED RUBBER SUPPORT BLOCKS. 2.) EACH PIECE OF EQUIPMENT SHALL BE MOUNTED ON A PAIR OF CONTINUOUS SUPPORTS. EQUIPMENT SUPPORTS SHALL BE AT LEAST 6" LONGER THAN THE PIECE OF EQUIPMENT TO BE SUPPORTED.
- 3.) EQUIPMENT SUPPORT CURBS LONGER THAN 10" SHALL CONSIST OF MULTIPLE BLOCKS ATTACHED TO A SINGLE CONTINUOUS CHANNEL.
- 4.) ALL BRACKETS, HANGERS, AND FASTENERS SHALL BE GALVANIZED STEEL. 5.) CEMENT RUBBER SUPPORT BLOCKS TO ROOF - USE ONLY MATERIALS COMPATIBLE WITH THE ROOFING SYSTEM.

SUPPORT DETAIL FOR CONDENSING

UNITS LOCATED ON ROOF
SCALE: NONE





2 ROOFTOP EXHAUST FAN DETAIL
SCALE: NONE

WOOD NAILER, TYPICAL. —

PREFABRICATED

ROOF CURB —

MEMBRANE -

REFER TO ARCH. PLANS

FOR ROOF CONSTRUCTION. —

BOTH NEW AND EXISTING.

ROOF PENETRATION ENCLOSURE.

DUCT THROUGH ROOF DETAIL

1 SCALE: NONE

1. THIS DETAIL SHALL BE USED FOR ALL DUCT PENETRATIONS THROUGH ROOF,

MITERED WITH SEAMS JOINED BY CONTINUOUS WELDS. CURB SHALL BE FACTORY INSULATED WITH 1-1/2" THICK 3# DENSITY INSULATION AND

ASSEMBLED WITH 2x2 WOOD NAILERS. DIMENSIONS OF ROOF CURB SHALL

DIMENSIONS OF EXISTING UNITS. THIS CONTRACTOR SHALL COORDINATE HEIGHT OF ROOF CURB WITH GENERAL CONTRACTOR PRIOR TO ORDERING

3. CONTRACTOR SHALL PROVIDE ALL FLASHING, COUNTERFLASHING, AND ANY

OTHER MATERIALS AND LABOR NECESSARY TO ENSURE A WATERTIGHT

2. PREFABRICATED ROOF CURB SHALL BE OF PRIME 18 GAUGE GALVANIZED

STEEL CONSTRUCTION WITH WELDED CORNERS AND 3" CANT FULLY

BE VERIFIED BY THIS CONTRACTOR PRIOR TO ORDERING BASED ON

- FILTER DRYER WITH VALVED BYPASS



VWDO

200 E Market Street 1200 18th Street NW Ste 700 Charlottesville, VA 22902 Washington, DC 20036

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VMDO Project Number

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Drawn By

DRAWING NOT FOR CONSTRUCTION

ISSUES AND REVISIONS

- OPENING FOR DUCT PENETRATIONS

- SEAL PENETRATIONS

WATER TIGHT WITH

COUNTERFLASHING

FLASHING AND

AS REQUIRED.

- EPDM MEMBRANE

FLASHING

FASTENED TO

WOOD NAILER.

SHALL BE WITHIN

1/8" OF OUTSIDE

DIMENSION.

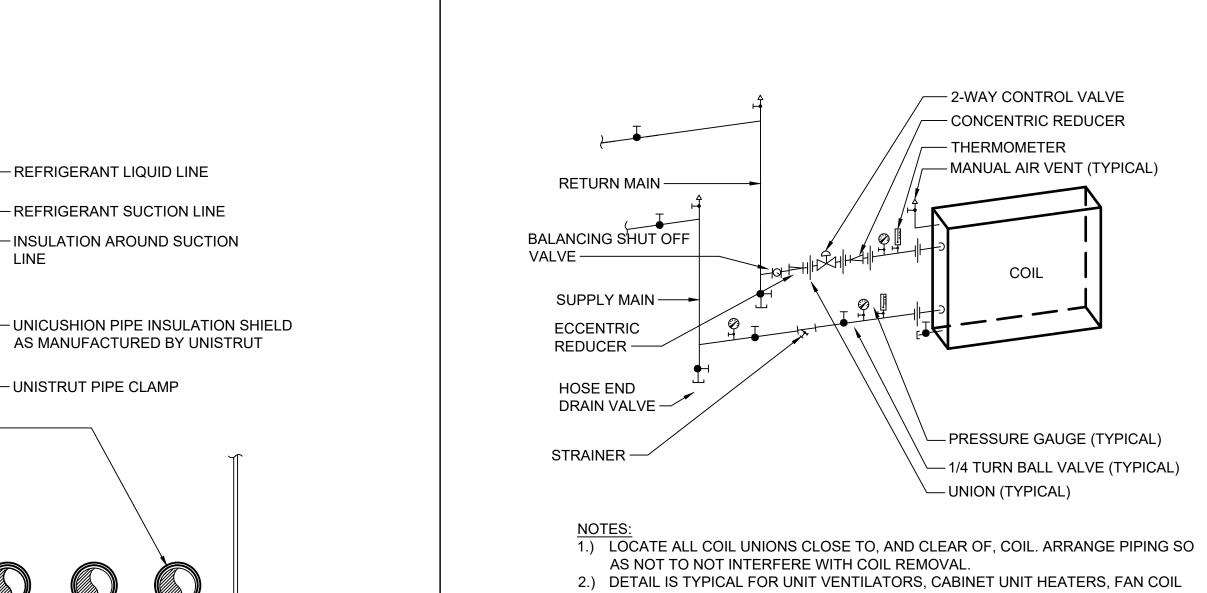
NO. SUBMITTAL

DESIGN DEVELOPMENT 07.09.2021

DATE

MECHANICAL DETAILS 2 OF 2

DESIGN DEVELOPMENT
07.09.2021



'. <i>j</i>	ECONTENEE COLECTIONS CECCE TO, NIND CEENTON, COLE. NIND COLE
	AS NOT TO NOT INTERFERE WITH COIL REMOVAL.
2.)	DETAIL IS TYPICAL FOR UNIT VENTILATORS, CABINET UNIT HEATERS, FAN COIL
	UNITS, AND AIR HANDLING UNITS.
3.)	PROVIDE FLEXIBLE CONNECTION FOR THOSE COILS MOUNTED IN UNITS ON
	VIBRATION ISOLATORS.

	PIPE SIZE SCHEDULE										
PIPE SIZE	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6
MAX. GPM	2	3.5	7	13	22	45	70	130	260	480	750

**HYDRONIC COIL WITH 2-WAY** VALVE PIPING SCHEMATIC SCALE: NONE

- GAS SUPPLY <u>EQUIPMENT</u> DIRT LEG REFER TO EQUIPMENT MANUFACTURER FOR - APPROVED GAS REQUIRED INLET PRESSURE. — SHUT-OFF VALVE.

GAS CONNECTION SCHEMATIC

3 SCALE: NONE

REFRIGERANT PIPE SUPPORT DETAIL SCALE: NONE

1.) LIQUID AND SUCTION LINES MAY BE ROUTED TOGETHER FOR CONVENIENCE, BUT

SUCTION LINES TOGETHER. DO NOT ALLOW METAL TO METAL CONTACT.

MUST BE COMPLETELY INSULATED FROM EACH OTHER. DO NOT SOLDER LIQUID AND

2.) LINES SHOULD BE INSTALLED WITH AS FEW BENDS AS POSSIBLE, ALLOWING SERVICE

3.) USE LONG RADIUS ELBOWS WHEREVER POSSIBLE, EXCEPT IN OIL RETURN TRAPS,

4.) SLOPE HORIZONTAL SUCTION LINES 1 INCH EVERY 20 FEET TOWARD THE OUTDOOR

REFRIGERANT LIQUID LINE

- REFRIGERANT SUCTION LINE

- INSULATION AROUND SUCTION

AS MANUFACTURED BY UNISTRUT

─ UNISTRUT PIPE CLAMP

REFRIGRANT SUCTION AND

LIQUID LINES ALONG WITH

PUMP DISCHARGE LINES

3/8"THREADED

MANUFACTURED BY

UNISTRUT PIPE CLAMP,

SCREWS TYPICAL.

ACCESS TO THE INDOOR COIL.

WHERE SHORT RADIUS ELBOWS SHOULD BE USED.

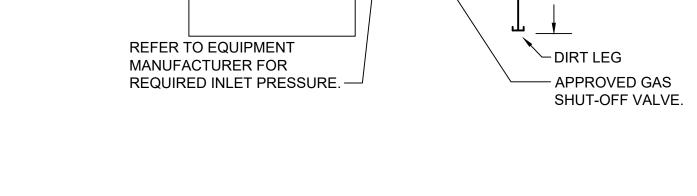
DOUBLE NUT AND WASHER. TYPICAL

GALVANIZED SELF TAPPING

HANGER ROD-UNICUSION AS

UNISTRUT. —

TYPICAL -



SYMBOL AB	BBREVIATION DESCRIPTION	SYMBOL	ABBREVIATIO	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION
	- CONDUIT AND WIRING	C	-	CCTV CAMERA		NIC	NOT IN CONTRACT
	CONDUIT & WIRING TO BE REMOVED UON	TC	-	TIME CLOCK		NL	NIGHT LIGHT
—UG— —	- BURIED CONDUIT	CR	-	CARD READER		NTS	NOT TO SCALE
—ОН——	- OVERHEAD CONDUCTORS	DA	-	DOOR ALARM		ОН	OVERHEAD
1/1/	- HOMERUN TO PANEL, ARROWS INDICATE # 1P	ES	-	ELECTRIC DOOR STRIKE		Р	POLE
1	- MULTI-POLE HOMERUN	MD	-	SECURITY MOTION DETECTOR		PBO	PROVIDED BY OTHERS
	- ELECTRICAL EQUIPMENT AS INDICATED	KP	-	KEY PAD		PNL	PANEL
<u> </u>	- ELECTRICAL EQUIPMENT TO BE REMOVED UON	PA	-	PANIC ALARM		PT	PRESSURE TREATED
<u></u>	- ELECTRIC METER	S	-	SECURITY ALARM HORN		PVC	POLY VINYL CHLORIDE
J	- JUNCTION BOX	HD	_	ELECTRIC HAND DRYER		REL.	REMOVE AND RELOCATE
	- FUSED DISCONNECT SWITCH	EPO EPO	EPO	EMERGENCY POWER OFF SWITCH		RGS	RIGID GALVANIZED STEEL
	- UNFUSED DISCONNECT SWITCH	RASP	RASP	RESCUE ASSIST. SYSTEM MASTER STATION		RTU	ROOF TOP UNIT
	COMBINATION MOTOR STARTER/FUSED DISC.	<u></u>	-	REMOTE RESCUE STATION		SCH	SCHEDULE
	- MOTOR STARTER		СВ	CIRCUIT BREAKER		SPD	SURGE PROTECTION DEVICE
	- MOTOR - MOTOR	• •	-	ENCLOSED CIRCUIT BREAKER		SW	SWITCH(ES)
4	BATTERY PACK EMERGENCY LIGHT FIXTURE	/ 200AS	_	FUSED SWITCH		TELCO	TELEPHONE COMPANY
_		150AF	CND	GROUND AS PER LOCAL CODE		TYP	
	EXIT LIGHT, FACES-SHADED, CHEVRON-ARROW	OR	GND -				TYPICAL
⊃x	SINGLE POLE SWITCH (x - INDICATES FIXTURE BEING CONTROLLED)	<b>TT</b>	_	GROUND BAR		UG	UNDERGROUND
3		OR ⊙		GROUND ROD		UON	UNLESS OTHERWISE NOTED
Sx	THREE WAY SWITCH (x - INDICATES FIXTURE BEING CONTROLLED)	m OR T	XFMR	TRANSFORMER		UV	UNIT VENTILATOR
<u>4</u>		E	CT	CURRENT TRANSFORMER		VIF	VERIFY IN FIELD
$S_{x}^{4}$	FOUR WAY SWITCH (x - INDICATES FIXTURE BEING CONTROLLED)	₽ WM	WM	WATER MAIN		V	VOLT(S)
O DIM		В	-	BOILER BREAK GLASS STATION		VSD	VARIABLE SPEED DRIVE
$S_{x}^{DIM}$	DIMMER SWITCH (x - INDICATES FIXTURE BEING CONTROLLED)		NC	NORMALLY CLOSED CONTACTS		WG	WIRE GUARD
			NO	NORMALLY OPEN CONTACTS		WH	WATER HEATER
S <sub>M</sub>	- MOTOR RATED TOGGLE SWITCH		CV	CONTROL VALVE		WP	WEATHERPROOF
Sĸ	- KEY OPERATED SINGLE POLE SWITCH	M	MD	MOTORIZED DAMPER	NOTES: 1.) ALL SYMBOLS AND ABE	BREVIATIONS MA	AY NOT BE APPLICABLE FOR THIS PROJECT.
S <sub>v</sub>	- SPEED CONTROLLER (FB0)	— — —	SD OR CFSD	SMOKE DAMPER	2.) SEE LIGHTING FIXTURE	SCHEDULE FO	R LIGHT FIXTURE SYMBOLS.
	- WALL MOUNTED OCCUPANCY SENSOR	( <u>.</u> ) <u>∪н</u>	UH	UNIT HEATER	TYPICAL BRAI	NCH CIR	CUIT WIRING LEGEND
<u>©C</u>	CEILING MOUNTED OCCUPANCY SENSOR	[VAV]	VAV	VARIABLE AIR VOLUME BOX	2-#12 & 1-#12	GND (1-1P-20A C	DR 1-1P-15A CB)
$\ominus$	- DUPLEX RECEPTACLE		A	AMPERE(S)	———⇒ 3-#12 & 1-#12	GND (3P-20A OR	3P-15A CB)
<del> </del>	- DOUBLE DUPLEX RECEPTACLE		AC	AIR CONDITIONER	———→ 2-#12 & 1-#12	GND (2P-20A OR	2P-15A CB)
$\ominus$	- SPECIAL RECEPTACLE		ACC	AIR CONDITIONER CONDENSER			LIGHT FIXTURE TYPE  SWITCH CONTROL
$\nabla$	- TELEPHONE OUTLET		AFF	ABOVE FINISHED FLOOR	CIRCUIT # - RECEPTAC	- 1	LIGHT FIXTURE
▼ ×	DATA OUTLET (x - INDICATES # OF JACKS, 1 JACK UON)		AF	AMPERAGE OF FUSE	NOTES:		CIRCUIT #
			AGL	ABOVE GRADE LEVEL			HALL HAVE A DEDICATED NEUTRAL CONDUCTOR. SHARED
V	- COMBINATION TELEPHONE/DATA OUTLET		AHU	AIR HANDLING UNIT	2. CONDUCTORS SHAL	L BE INCREASE	D FOR VOLTAGE DROP AND DERATING AS PER APPLICABLE E ETWEEN 100' AND 150' IN LENGTH, PHASE AND NEUTRAL CO
•	- COMBINATION DATA & TV OUTLET		AL	ALUMINIUM	SHALL BE #10 AWG.	FOR CIRCUITS	S THAT ARE BETWEEN 150' AND 225' IN LENGTH, PHASE AND FOR LENGTHS GREATER THAN 225' IN LENGTH, VERIFY C
$\bigcirc$	- TV OUTLET		ARC	ARC FAULT INTERRUPTER	SIZES WITH ENGINE	ER.	
Р	- FURNITURE SYSTEM POWER FEED		AS	AMPERAGE OF SWITCH			
C	- FURNITURE SYSTEM COMMUNICATION FEED		ATS	AUTOMATIC TRANSFER SWITCH			
F	- FIRE ALARM MANUAL PULL STATION		AWG	AMERICAN WIRE GAUGE	DEMOLITION I	NOTES	
FA\$	FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE		BCW	BARE COPPER WIRE	4 ALL FOLUDMENT SHA	ALL DE DISCONN	ECTED AND REMOVED BACK TO POWER SOURCE ORIGINATION
	(15/75 CD - STROBE)		BLDG	BUILDING	OTHERWISE NOTED		
F<\\phi^110	FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE		BMS	BUILDING MANAGEMENT SYSTEM			NT OF DEMOLITION WORK IN THE FIELD PRIOR TO BID A
	(110 CD - STROBE)		С	CONDUIT	AND WIRE IN ORDER	TO ACCOMMOD	DATE CONSTRUCTION AND PROVIDE CONTINUOUS SERVICE T
F	- FIRE ALARM STROBE 15/75 CD		CD	CANDELA		•	RARY AND PERMANENTLY. WORK REQUIRING THE SHUT-DON RMED DURING OVERTIME AND SHALL BE INCLUDED IN BASE BI
F 110	- FIRE ALARM STROBE 110 CD		СКТ	CIRCUIT	3. CIRCUIT BREAKER, C	CONDUIT AND CO	ONDUCTOR SIZES INDICATED SHALL BE FIELD VERIFIED PRIOF
	- CARBON MONOXIDE DEVICE (15/75 CD - STROBE)		CLG	CEILING			ENT NO LONGER IN USE, SUCH AS DISCONNECT SWITCHE
1			COL	COLUMN			ANELS, ETC. SHALL BE REMOVED UON. XISTING ELECTRICAL ITEMS THAT ARE NOT BEING REUSED
S EL; SH; SC	SMOKE DETECTOR. EL - ELEVATOR LOBBY;		CU	COPPER			OSED OF AS DIRECTED.
, 5, 1, 50	SH - SMOKE HATCH; SC - PLENUM RATED ABOVE CEILING		CUH	CABINET UNIT HEATER			IN THE BASE BID FOR ALL MATERIAL & LABOR REQUIRED CATION OF EXISTING SYSTEM COMPONENTS, EQUIPMEN
$\bigcirc$	SB FIRE ALARM DEVICE.		DEM.	DEMOLISH AND REMOVE		NG SO AS TO M	MAINTAIN OPERATION OF ALL SYSTEMS THROUGHOUT THE
SB	SB - SOUNDER BASE FOR SMOKE OR CARBON MONOXIDE DETECTOR		DISC	DISCONNECT	DURING DEMOLITION	I & CONSTRUCT	ION PHASES.
S AC-	- DUCT MOUNTED SMOKE DETECTOR		DIM	DIMMER			
(H)	- HEAT DETECTOR		DWG	DRAWING			
(i) (co)	- CARBON MONOXIDE DETECTOR		ELEV	ELEVATOR			
(NG)	- NATURAL GAS DETECTOR		EMT	ELECTRICAL METALLIC TUBING			
O F	- FIRE ALARM BELL		EM	EMERGENCY			
(F)	FIRE ALARM TAMPER SWITCH		EX.	EXISTING TO REMAIN			
(IS)	- FIRE ALARM WATER FLOW SWITCH		<u>Γ</u>	FLOOR			
DR	- FIRE ALARM DOOR RELEASE		FBO	FURNISHED BY OTHERS			
ANN	FIRE ALARM DOOR RELEASE  FIRE ALARM ANNUNCIATOR PANEL		FC	FAN COIL UNIT			
CM	CM FIRE ALARM CONTROL MODULE		GFI	GROUND FAULT INTERRUPTER			
MM	MM FIRE ALARM MONITORING MODULE		HP	HORSEPOWER			
FACP	FACP FIRE ALARM CONTROL PANEL		HVAC	HEATING VENTILATION AIR CONDITIONING			
BPS	BPS BOOSTER POWER SUPPLY		IMC	INTERMEDIATE METAL CONDUIT			
R	- FIRE ALARM RELAY		KVA	KILO-VOLT-AMPERE			
<b>-</b> W-	EOL END OF LINE RESISTOR		KW	KILO-WATT			
PA	- WALL MOUNTED PUBLIC ADDRESS SPEAKER		MAX	MAXIMUM			
PH	- PUBLIC ADDRESS TELEPHONE		МСВ	MAIN CIRCUIT BREAKER			
(SP)	CEILING MOUNTED PUBLIC ADDRESS SPEAKER		MIN	MINIMUM			
S	CEILING MOUNTED SPHERICAL TYPE LOUD		MLO	MAIN LUG ONLY	一		

PUBLIC ADDRESS BELL

#### **GENERAL NOTES**

- 1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).
- 2. THE DRAWINGS ARE TO BE CONSIDERED SCHEMATIC ONLY AND DO NOT NECESSARILY SHOW THE EXACT LOCATIONS AND DETAILS OF THE WORK TO BE INSTALLED.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING ALL FEES ASSOCIATED WITH THIS WORK INCLUDING FILING WITH THE UTILITY COMPANY (AS
- ALL WORK INVOLVING THE ELECTRIC SERVICE SHALL BE COORDINATED AND APPROVED BY THE UTILITY
- ALL CONDUCTORS SHALL BE COPPER UON "ON DRAWINGS".

REQUIRED), AND WITH LOCAL AUTHORITY HAVING JURISDICTION.

- 6. ELECTRONIC FILES OF THE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS ARE AVAILABLE TO THE CONTRACTOR. THE ENGINEER MAY GRANT THE CONTRACTOR A LIMITED LICENSE TO MAKE A DERIVATIVE WORK OF THE DATABASE FOR THE PURPOSE OF SHOP DRAWINGS, SUBMITTALS AND AS-BUILT DRAWINGS. UPON REQUEST, THE ENGINEER SHALL PROVIDE A RELEASE FORM THAT MUST BE SIGNED AND RETURNED BY THE CONTRACTOR PRIOR TO RELEASE OF THE ELECTRONIC FILES.
- CIRCUIT NUMBERS ARE FOR INFORMATION PURPOSES ONLY. ACTUAL CIRCUIT NUMBERS SHALL BE DETERMINED IN THE FIELD.
- 8. CORE DRILLING OR TRENCHING THROUGH AN EXISTING FLOOR SLAB, WHEN REQUIRED, SHALL BE COORDINATED WITH THE OWNER. FLOOR SLABS SHALL BE RADAR SCANNED PRIOR TO CORE DRILLING OR TRENCHING. ALL WORK, INCLUDING CORE DRILLING, RADAR SCAN, INSTALLATION OF FIRE STOPPING, & CONDUIT/CABLE INSTALLATION SHALL BE PERFORMED DURING NON-BUSINESS HOURS AND INCLUDED IN BASE BID. USE EXTREME CAUTION DURING ANY CUTTING OPERATION TO AVOID DAMAGE TO EXISTING EQUIPMENT/SYSTEMS. ANY ITEMS DAMAGED AS A RESULT OF CORE DRILLING SHALL BE REPAIRED AT NO COST TO THE CLIENT. ALL CORES SHALL BE FIRE SEALED.
- 9. FOR EACH WALL MOUNTED COMMUNICATIONS OUTLET, PROVIDE A 1900 JUNCTION BOX WITH AN EXTENDER COLLAR AND 1 INCH CONDUIT WITH DRAGLINE 6 INCHES ABOVE ACCESSIBLE CEILING FOR INSTALLATION OF CABLE BY OTHERS.
- 10. COMMUNICATION WIRING BY OTHERS. COORDINATE COMMUNICATION JACKS WITH REPRESENTATIVE,
- 11. WHERE GFI RECEPTACLES ARE CIRCUITED WITH GENERAL CONVENIENCE RECEPTACLES, THE GFI RECEPTACLE SHALL BE THE LAST DEVICE ON THE CIRCUIT.
- 12. INSTALL CONDUIT EXPANSION FITTINGS AT ALL LOCATIONS WHERE CONDUITS CROSS BUILDING OR STRUCTURE EXPANSION JOINTS.
- 13. CEILING MOUNTED RECEPTACLES SHALL BE MOUNTED FLUSH TO CEILING.
- 14. UNLESS OTHERWISE NOTED, DISCONNECT SWITCHES, STARTERS, HOAS AND MOTOR RATED TOGGLE SWITCHES FOR MECHANICAL PUMPS, CABINET AND UNIT HEATERS, RETURN FANS, ROOF FANS, VAV BOXES, COMPRESSORS, FAN COIL UNITS, AIR HANDLERS AND CONDENSERS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL WORK WITH THE MECHANICAL CONTRACTOR.
- 15. DISCONNECT SWITCHES FOR MOTORIZED DAMPERS, CFSD/SD AND VAV BOXES SUPPLIED BY MECHANICAL CONTRACTOR AND INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. SWITCHES NOT SHOWN ON
- 16. INCLUDE IN BASE BID (4) 1P-20A CIRCUITS ON EACH LEVEL (150' LENGTH EACH) FOR HVAC SYSTEM CONTROL PANELS. EXACT LOCATION OF CONTROL PANELS SHALL BE COORDINATED WITH DIVISION 23 IN THE FIELD. CIRCUITS SHALL ORIGINATE FROM THE FOLLOWING PANELBOARDS:

#### LOWER LEVEL MAIN LEVEL-

- 17. FOR INFORMATION PURPOSES THE FURNITURE SYSTEM HAS AN EIGHT WIRE ELECTRICAL SYSTEM CONSISTING OF 4-1P-20A CIRCUITS (4 HOTS, 2 NEUTRALS, 1 ISOLATED GROUND & 1 EQUIPMENT GROUND). CONFIRM WITH FURNITURE MANUFACTURER/INSTALLER. THE FURNITURE SUPPLIER WILL SUPPLY POWER CONNECTION WHIPS. THE CONTRACTOR SHALL INSTALL AND CUT EACH WHIP AS REQUIRED FOR EACH LOCATION. CONTRACTOR SHALL CONFIRM EACH FURNITURE WHIP LOCATION AND LENGTH WITH OWNER'S REPRESENTATIVE AND ARCHITECT.
- 18. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, PAINTING, AND FINAL RESTORATION REQUIRED TO FACILITATE THE DEMOLITION AND INSTALLATION OF ALL ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO PANELBOARDS, CONDUITS, WIRING, DEVICES, FIXTURES, ETC. INCLUDING ABOVE CEILINGS. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH WALLS, AS REQUIRED TO EXECUTE THE ELECTRICAL WORK.
- 19. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO HIRE AND PAY ALL FEES FOR THE UL FIELD EVALUATION SERVICE TO RE-INSPECT AND RE-CERTIFY THE SWITCHBOARD IN RELATION TO MODIFICATIONS REQUIRED WHEN TAPPING THE BUS. CONTRACTOR SHALL SCHEDULE WITH UL PRIOR TO START OF WORK. UL SHALL BE PRESENT WHILE TAPPING OF THE SWITCHBOARD IS EXECUTED. (TEL: 1-877-ULHELPS)

## **DEFINITION OF TERMS**

BY THE CONTRACT DOCUMENTS.

- WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "CLIENT" IS USED, IT MUST BE UNDERSTOOD THAT "NEW CITY LIBRARY" IS INTENDED.
- WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ARCHITECT" IS USED, IT MUST BE UNDERSTOOD THAT "VMDO ARCHITECTS" IS INTENDED.
- WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ENGINEER" IS USED, IT MUST BE UNDERSTOOD THAT "OLA CONSULTING ENGINEERS" IS INTENDED.
- 4. WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "ELECTRICAL UTILITY" OR "POWER COMPANY" ARE
- USED, IT MUST BE UNDERSTOOD THAT "ORANGE & ROCKLAND UTILITIES INC." IS INTENDED.

WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "TELEPHONE UTILITY" OR "TELCO" ARE USED, IT

- MUST BE UNDERSTOOD THAT "VERIZON" IS INTENDED. 6. WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "FIRE ALARM SYSTEM" OR "FIRE ALARM VENDOR"
- "WORK" MUST BE DEEMED TO CONSIST OF ALL LABOR AND OPERATIONS, TRANSPORTATION, HOISTING, MATERIALS, TOOLS, EQUIPMENT, SERVICES, INSPECTIONS, INVESTIGATIONS, COORDINATION AND SUPERVISION REQUIRED AND / OR REASONABLY NECESSARY TO PRODUCE THE CONSTRUCTION REQUIRED
- 8. "FURNISH" MEANS THE DESIGN, FABRICATION, PURCHASE AND DELIVERY TO THE JOB SITE.

ARE USED, IT MUST BE UNDERSTOOD THAT "A&R ALARM CORP." IS INTENDED.

- 9. "INSTALL OR INSTALLATION" MEANS THE ACT OF PHYSICALLY PLACING, APPLYING, SETTING, ERECTING, ANCHORING, SECURING, ETC., CONSTRUCTION MATERIALS, EQUIPMENT, FURNISHINGS, APPLIANCES, AND SIMILAR ITEMS SPECIFIED AND FURNISHED AT THE JOB SITE. INSTALLATION OF SPECIFIED ITEMS MUST BE COMPLETE IN ALL RESPECTS.
- 10. "PROVIDE" MEANS TO FURNISH AND INSTALL CONSTRUCTION MATERIAL, EQUIPMENT, ETC. AS DEFINED
- 11. THE FOLLOWING ARE DEFINITIONS OF SHOP DRAWING STAMP ACTIONS:
- A. "NO EXCEPTIONS TAKEN" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY COMMENCE
- B. "MAKE CORRECTIONS NOTED" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS, SUBJECT TO AND IN COMPLIANCE WITH THE ANNOTATIONS AND/OR CORRECTIONS INDICATED ON THE SHOP DRAWING. FABRICATION AND/OR PURCHASE MAY COMMENCE.
- C. "AMEND AND RESUBMIT" MEANS THAT THE COMMENTS AND/OR CORRECTION ARE SO EXTENSIVE AND IMPORTANT THAT THE REVIEWER WANTS TO SEE HOW THE COMMENTS AND/OR CORRECTIONS ARE RESOLVED PRIOR TO RELEASE FOR FABRICATION AND/OR PURCHASE. FABRICATIONS AND/OR PURCHASE MAY NOT COMMENCE.
- D. "REJECTED" MEANS THAT THE SHOP DRAWING DOES NOT COMPLY OR CONFORM TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY NOT COMMENCE.

## VMDO

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New City Library

New City Library Addition & Renovation

220 North Main Street New City, NY 10956

VMDO Project Number

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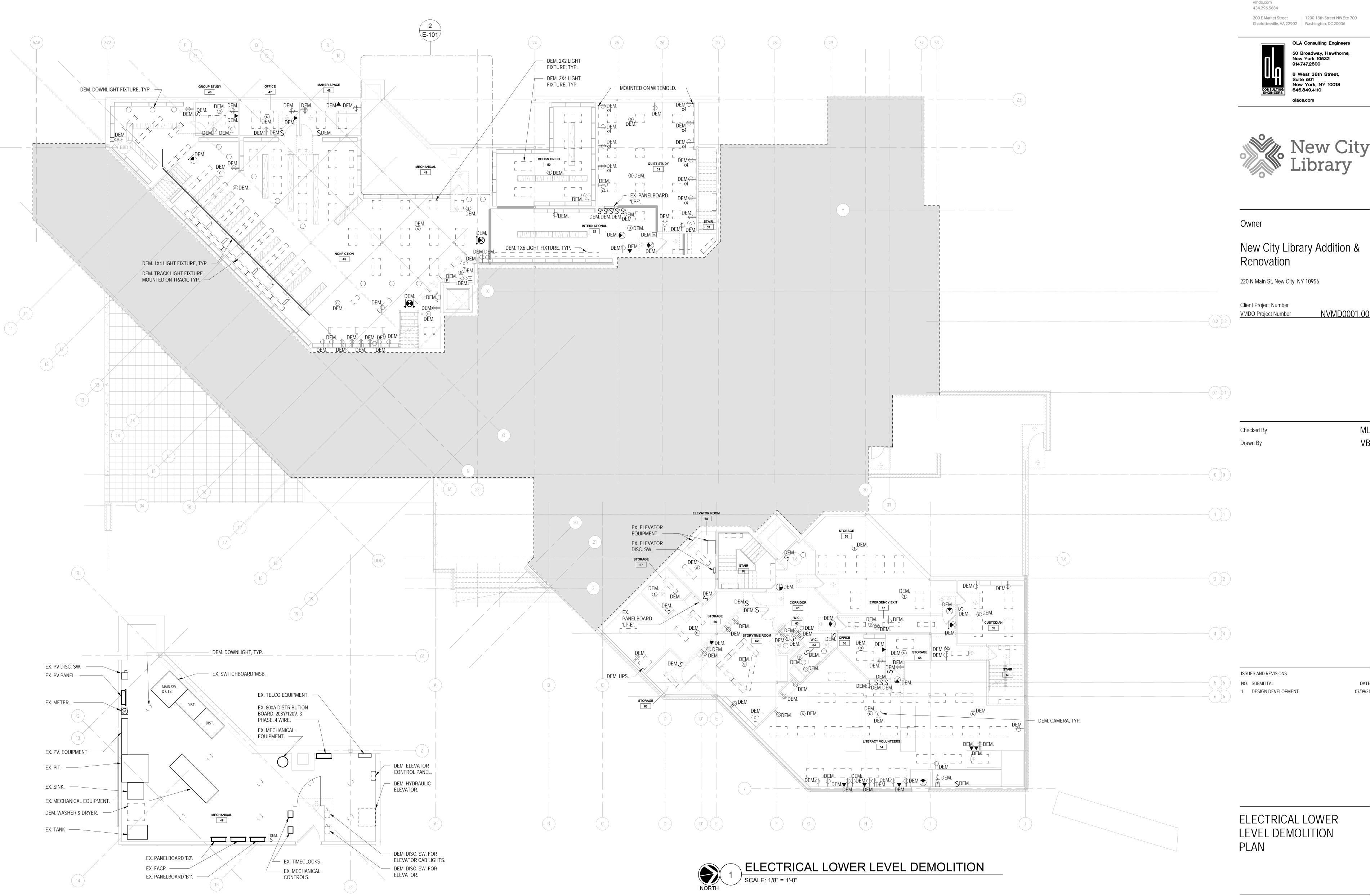
DRAWING NOT FOR

CONSTRUCTION

ISSUES AND REVISIONS

DATE 07.09.2021 DESIGN DEVELOPMENT

ELECTRICAL SYMBOLS, **ABBREVIATIONS &** GENERAL NOTES



E-101

DESIGN DEVELOPMENT
07.09.2021

VMDO





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Owner

New City Library Addition & Renovation

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Client Project Number VMDO Project Number

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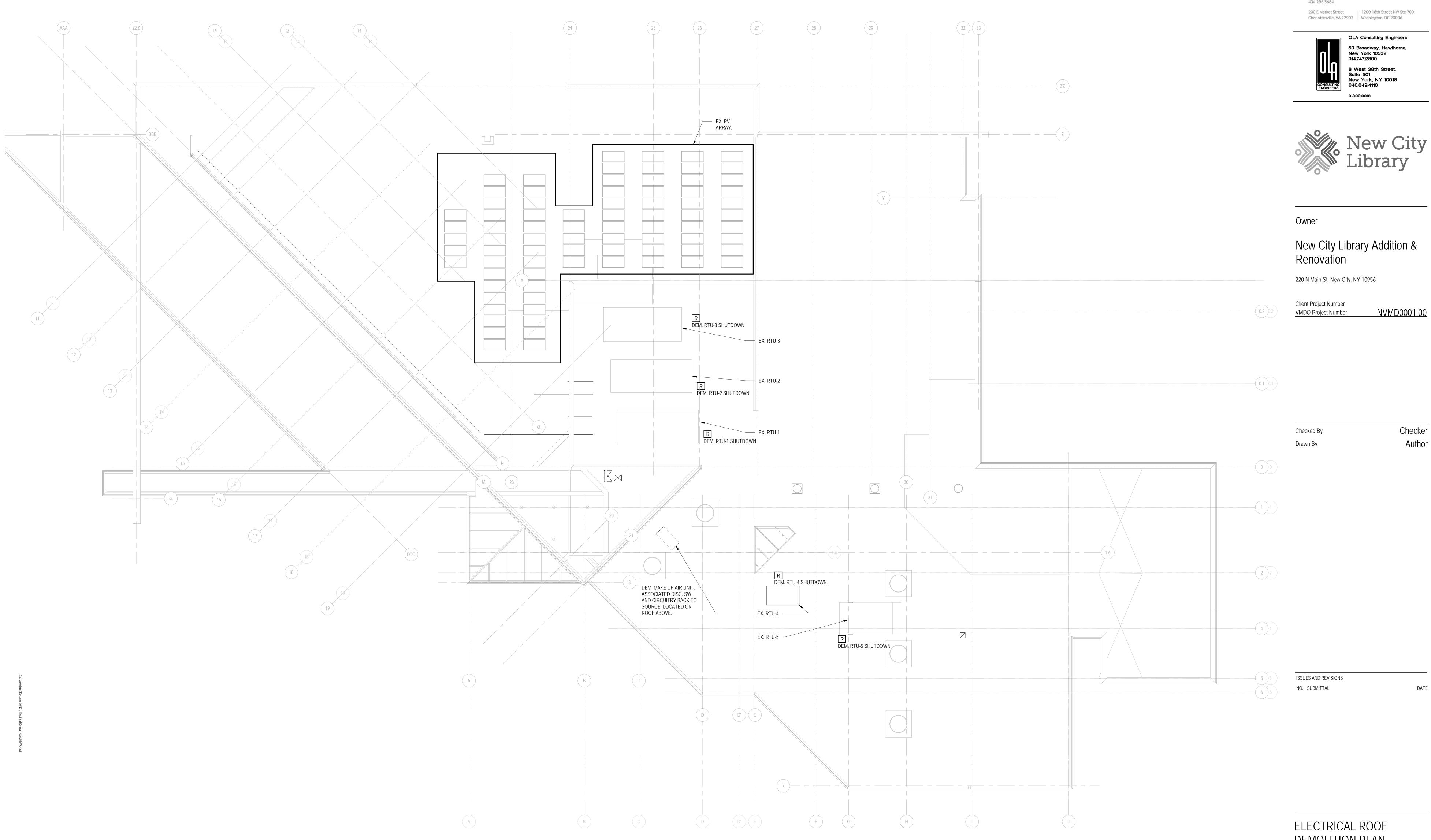
Drawn By

ISSUES AND REVISIONS

NO. SUBMITTAL 1 DESIGN DEVELOPMENT

ELECTRICAL MAIN LEVEL DEMOLITION PLAN

> E-102 DESIGN DEVELOPMENT



ELECTRICAL DEMOLITION ROOF PLAN

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

VMDO

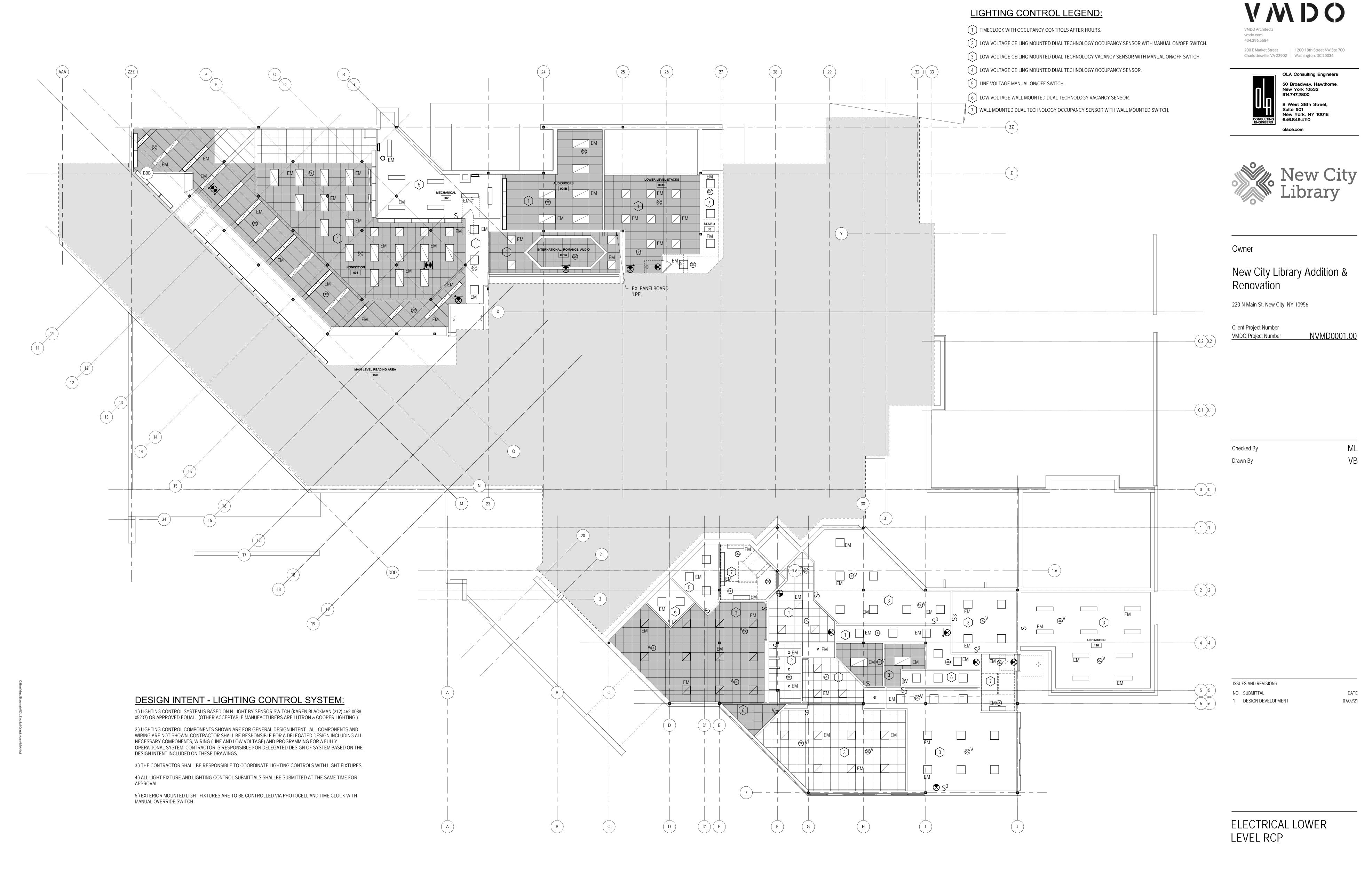
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Author

DEMOLITION PLAN

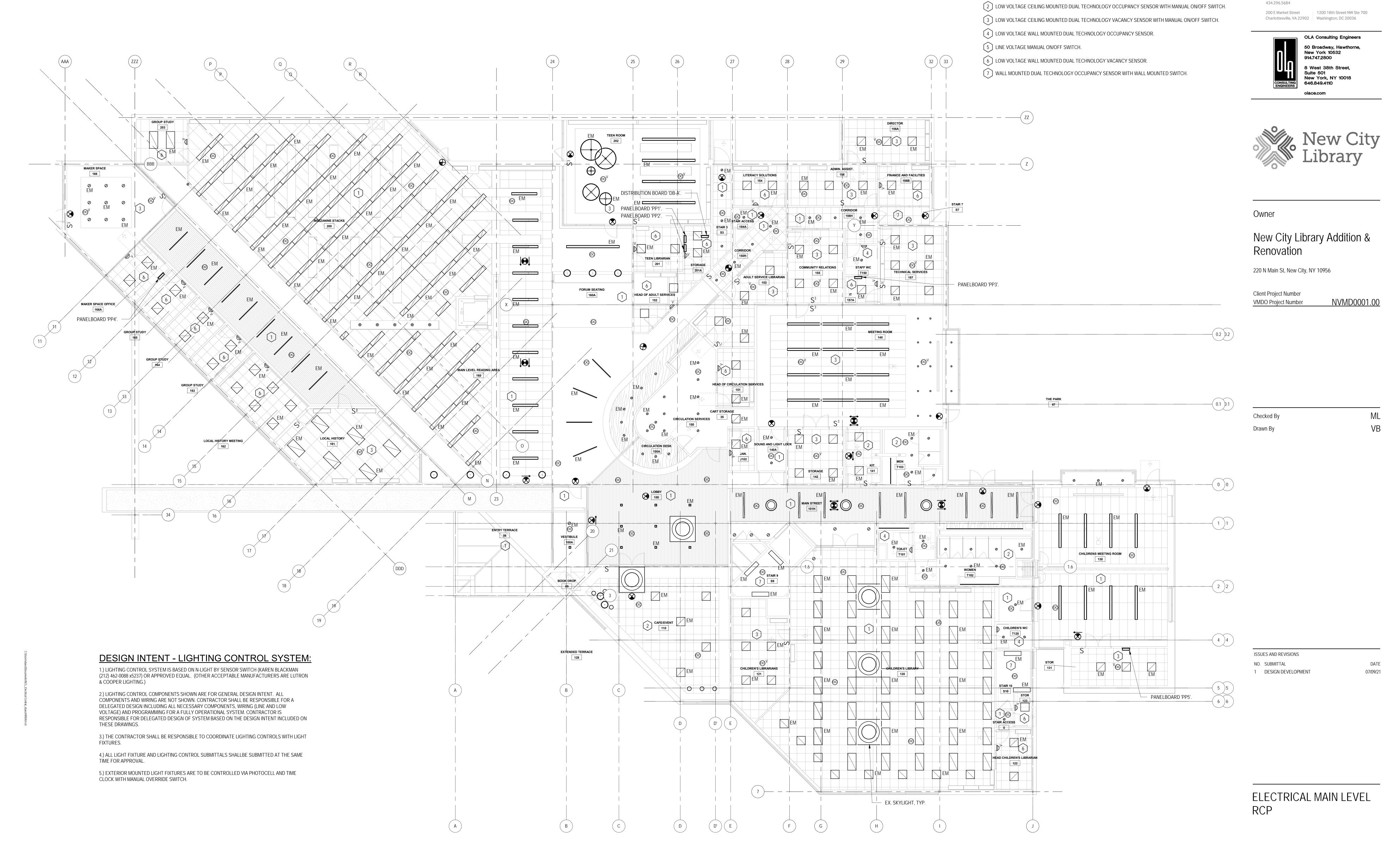
E-103 DESIGN DEVELOPMENT



LIGHTING CONTROL LEGEND:



E-201 DESIGN DEVELOPMENT



ELECTRICAL MAIN LEVEL LIGHTING PLAN

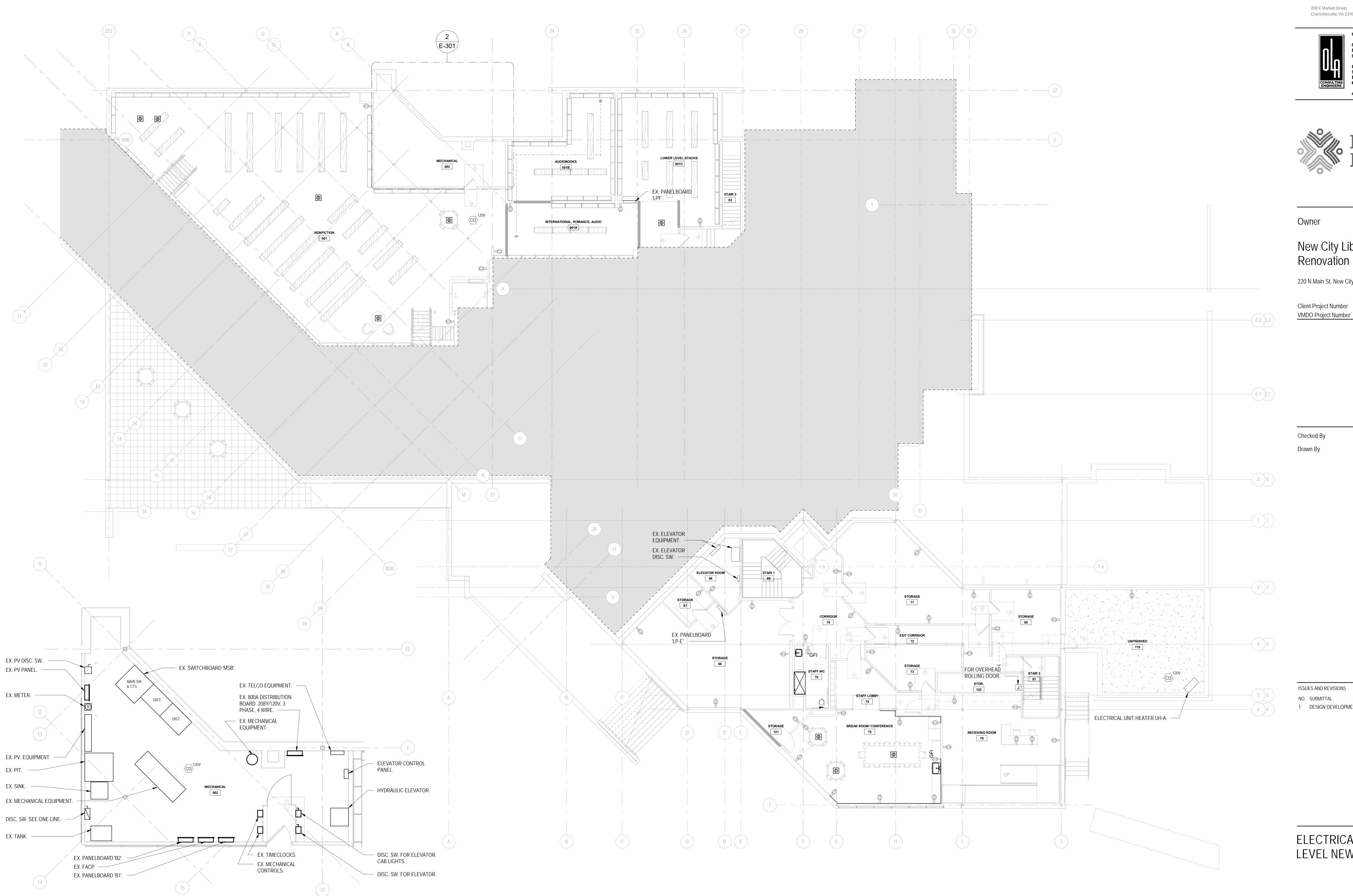
SCALE: 1/8" = 1'-0"

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**LIGHTING CONTROL LEGEND:** 

1 TIMECLOCK WITH OCCUPANCY CONTROLS AFTER HOURS.



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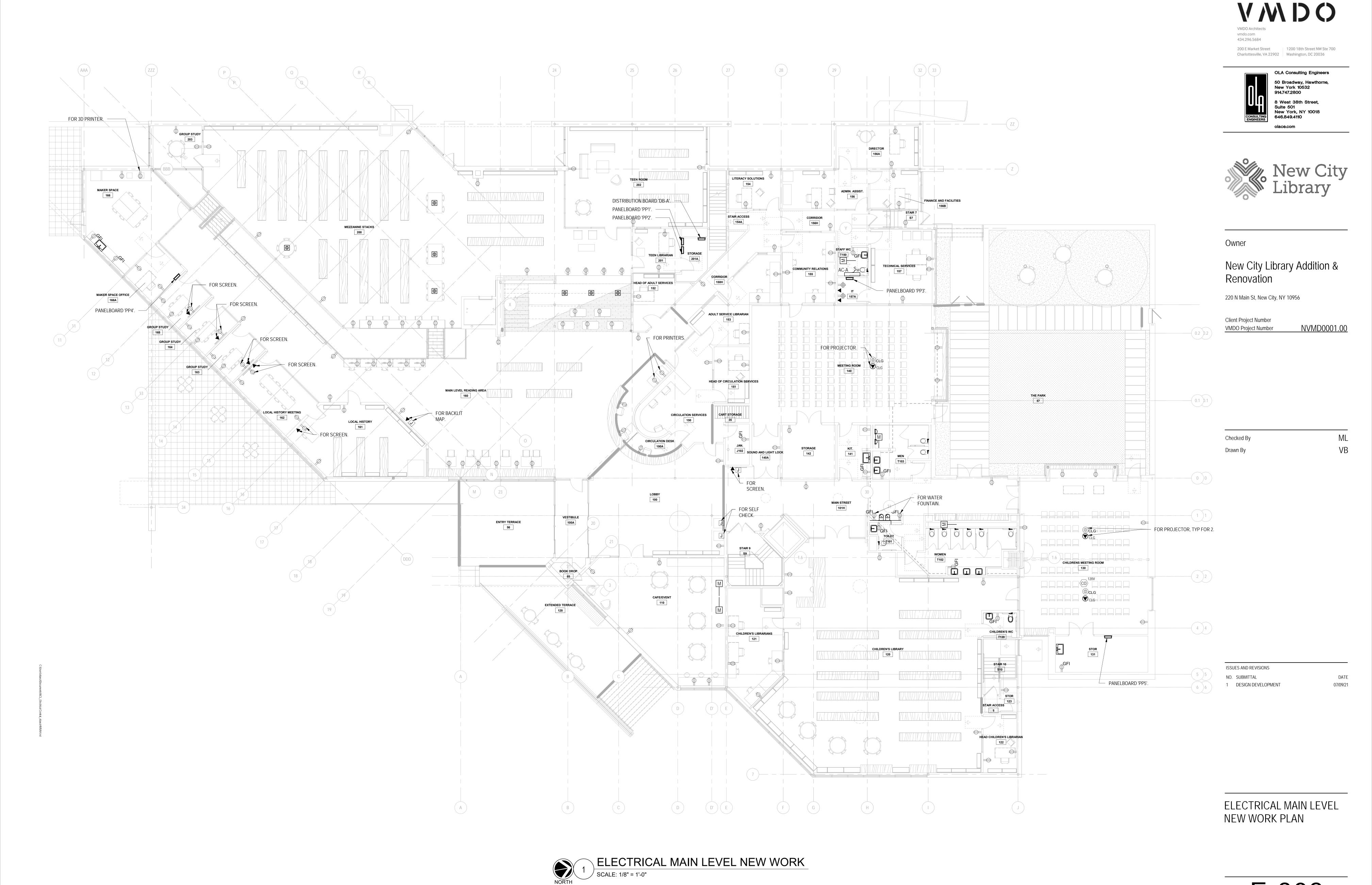
NVMD0001.00

ISSUES AND REVISIONS

1 DESIGN DEVELOPMENT

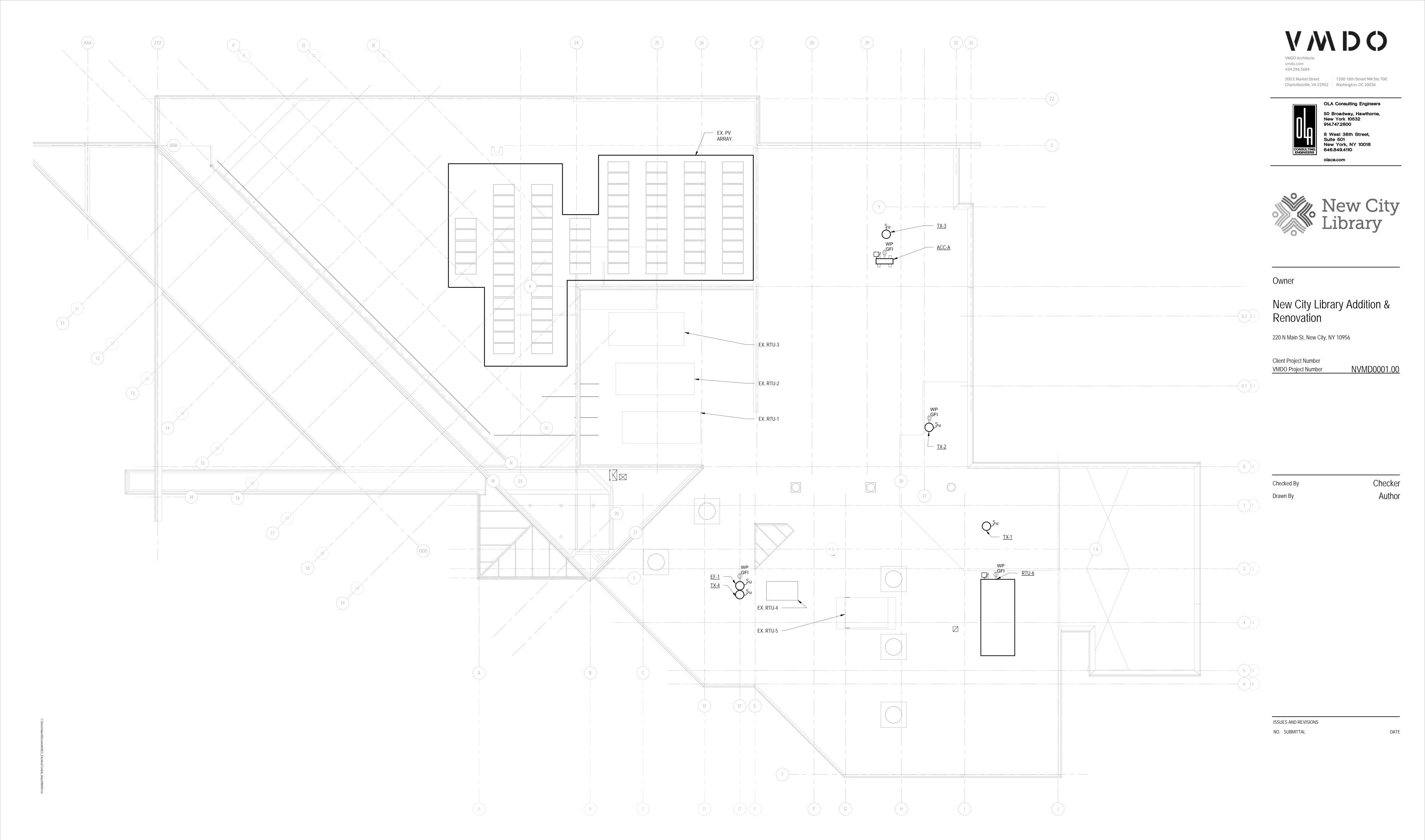
ELECTRICAL LOWER LEVEL NEW WORK PLAN

E-301 DESIGN DEVELOPMENT



E-302

DESIGN DEVELOPMENT
07.09.2021





ELECTRICAL ROOF NEW WORK PLAN

E-303

DESIGN DEVELOPMENT
07.09.2021



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OLA Consulting Engineers

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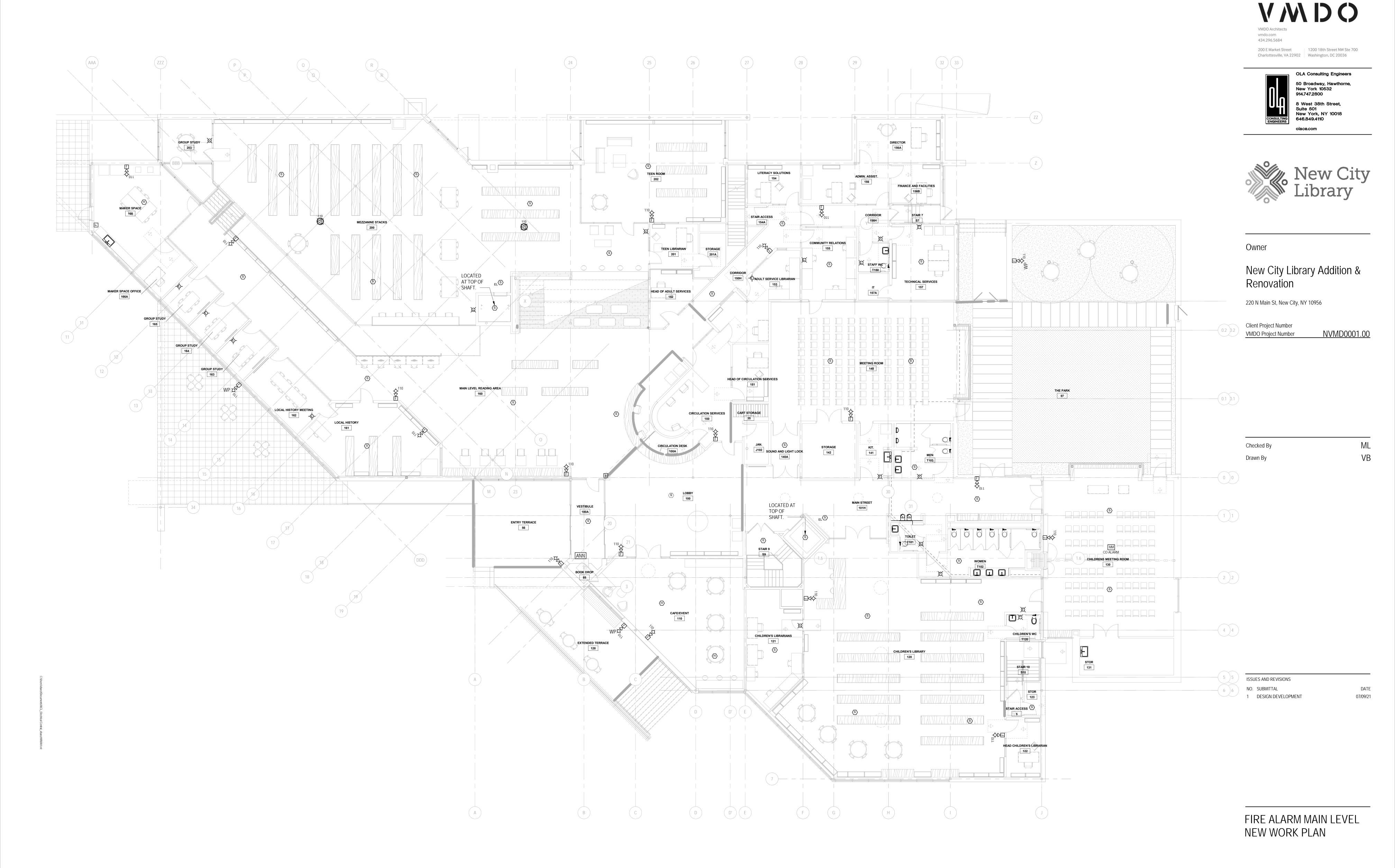
NVMD0001.00

ISSUES AND REVISIONS

NO. SUBMITTAL 1 DESIGN DEVELOPMENT

FIRE ALARM LOWER LEVEL NEW WORK PLAN

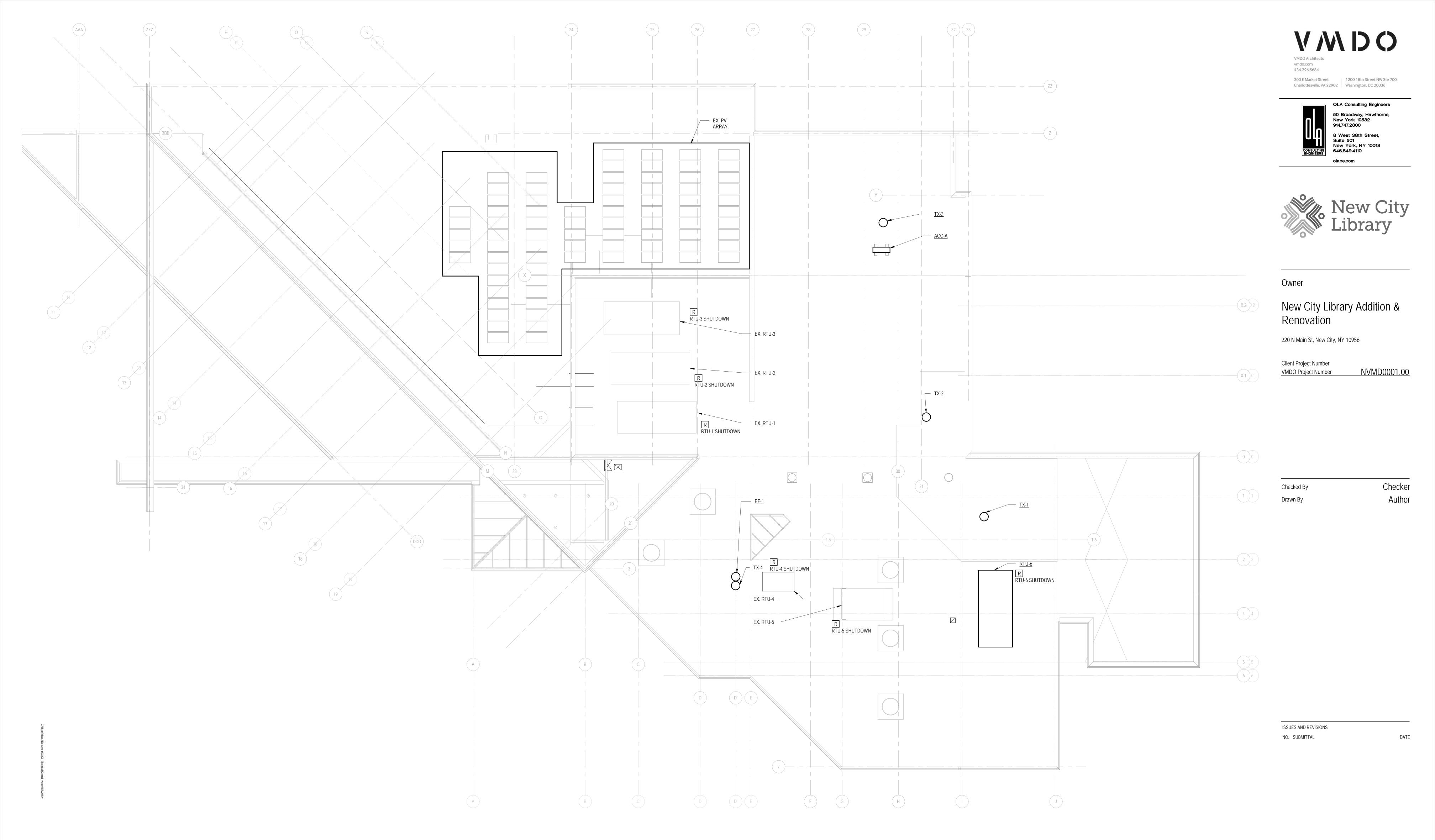
E-401 DESIGN DEVELOPMENT





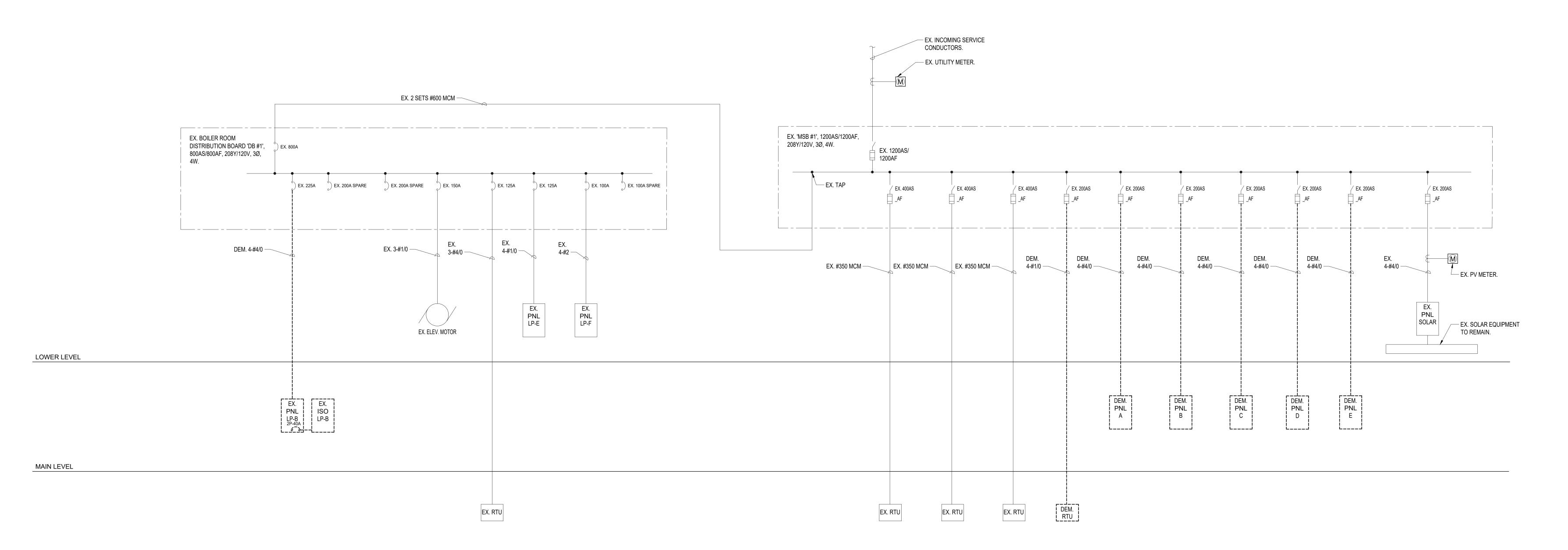
E-402

DESIGN DEVELOPMENT
07.09.2021





FIRE ALARM ROOF NEW WORK PLAN



ROOF

ELECTRICAL DEMOLITION ONE-LINE DIAGRAM
SCALE: NONE

NOTES:
1. ALL CIRCUIT BREAKERS AND SWITCHES ARE 3 POLE, U.O.N.







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ISSUES AND REVISIONS

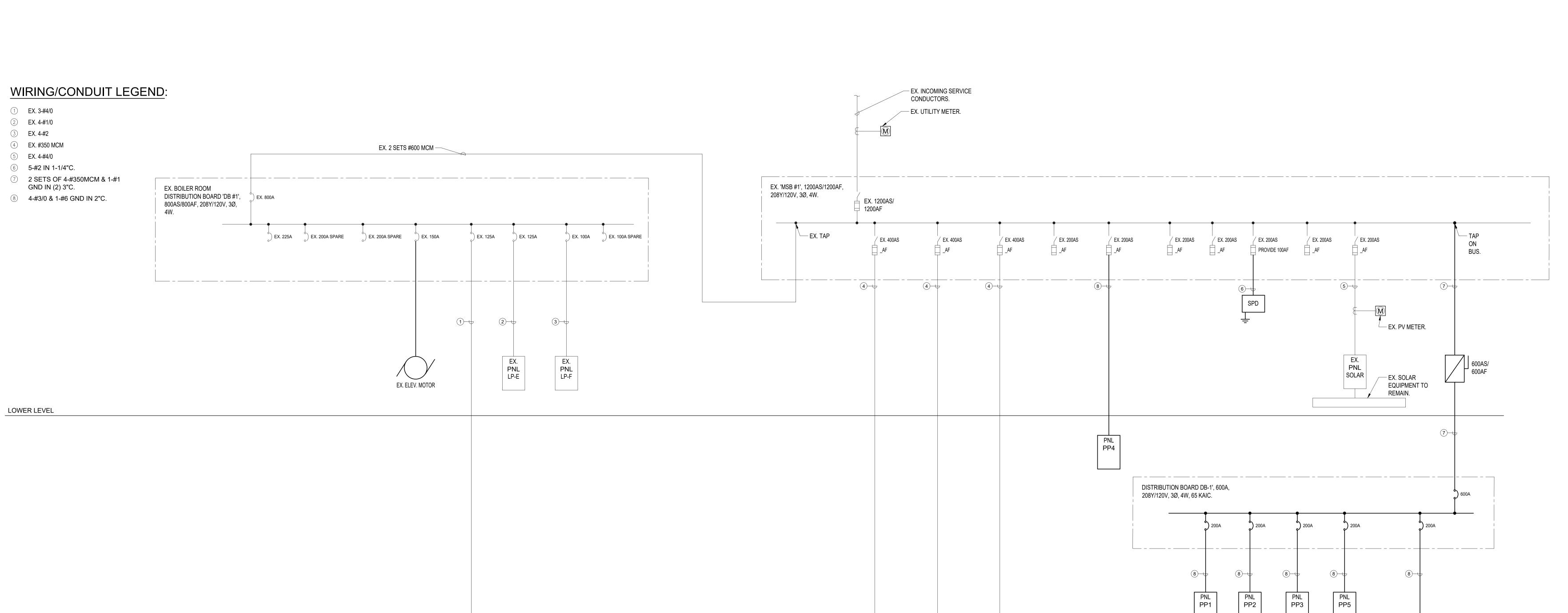
NO. SUBMITTAL
DESIGN DEVELOPMENT

ELECTRICAL DEMOLITION

ONE-LINE DIAGRAM

E-501

DESIGN DEVELOPMENT
07.09.2021



MAIN LEVEL

1 ELECTRICAL NEW WORK ONE-LINE DIAGRAM
SCALE: NONE

EX. RTU

EX. RTU

NOTES:
1. ALL CIRCUIT BREAKERS AND SWITCHES ARE 3 POLE, U.O.N.

EX. RTU



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> > 07.09.2021

ISSUES AND REVISIONS

RTU-6

NO. SUBMITTAL DESIGN DEVELOPMENT

ELECTRICAL NEW WORK ONE-LINE DIAGRAM

E-502 DESIGN DEVELOPMENT
07.09.2021

	PP1	PΑ	NEL	. SC	HED	DULE	
	main rating: 200A	ΜA	IN C.B.	: <u>200</u> A	<u>-</u>	KAIC RATING: 22KAIC	
	VOLTAGE: <u>208Y/120V</u>	PH	ASE: 3	<u>3</u> Wif	RE: <u>4</u>	MOUNTING: <u>SURFACE</u>	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC NO.
1	_	_	_	_	_	_	2
3	_	_	_	_	_	_	4
5	_	_	_	_	_	_	6
7	_	_	_	_	_	_	8
9	-	_	_	_	_	_	10
11	_	_	_	_	_	_	12
13	_	_	_	_	_	_	14
15	_	_	_	_	_	_	16
17	_	_	_	_	_	_	18
19	_	_	_	_	_	_	20
21	_	_	_	_	_	_	22
23	_	_	_	_	_	_	24
25	_	_	_	_	_	_	26
27	_	_	_	_	_	_	28
29	_	_	_	_	_	_	30
31	_	_	_	_	_	_	32
33	_	_	_		_	_	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

NOTES:

AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

	PP3	PA	NEL	SC	HED	DULE	
	MAIN RATING: <u>200A</u>	МА	IN C.B.:	200A	=	KAIC RATING: <u>22KAIC</u>	
	VOLTAGE: <u>208Y/120V</u>	PH.	ASE: <u>3</u>	_ WIF	RE: <u>4</u>	MOUNTING: <u>SURFACE</u>	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIR(
1	-	_	_	_	_	_	2
3	_	_	_	_	_	_	4
5	_	_	_	_	_	_	6
7	_	_	_	_	_	_	8
9	_	_	_	_	_	_	10
11	_	_	_	_	_	_	12
13	_	_	_	_	_	_	14
15	_	_	_	_	_	_	16
17	_	_	_	_	_	_	18
19	_	_	_		_	_	20
21	4	_	_	_	_		22
23	4	_	_	_	_		24
25	_	_	_		_	_	26
27	4	_	_	_	_		28
29	_	_	_		_	_	30
31	_	_	_		_	_	32
33	_	_	_		_	_	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;

AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

NOTES:

	PP5	PA	NEL	SC	HED	DULE	
	MAIN RATING: 200A	ΜA	IN C.B.	: <u>200</u> A	<u>.</u>	KAIC RATING: <u>22KAIC</u>	
	VOLTAGE: <u>208Y/120V</u>	PH	ASE: 3	<u>.</u> Wif	RE: <u>4</u>	MOUNTING: <u>SURFACE</u>	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CI
1	_	_	_	_	_	_	
3	_	_	_	_	_	_	
5	_	_	_	_	_	_	
7	_	_	_	_	_	_	
9	_	_	_	_	_	_	
11	_	_	_	_	_	_	
13	_		_	_	_	_	
15	_	_	_	_	_	_	
17	_	_	_	_	_	_	-
19	_	_	_	_	_	_	
21	_	_	_	_	_	_	
23	_	_	_	_	_	_	,
25	_	_	_	_	_	_	
27	_	_	_	_	_	_	2
29	_	_	_	_	_	_	
31	-	_	_	_	_	-	
33	_	_	_	_	_	_	
35	SPARE	20	1	1	20	SPARE	
37	SPARE	20	1	1	20	SPARE	
39	SPARE	20	1	1	20	SPARE	
41	SPARE	20	1	1	20	SPARE	4
	PROVIDE LOCKING TABS ON C.E. ARC FAULT TYPE C.B.; ST — S				C.B.; C	GP — GFP TYPE C.B.;	
NOTE							

	main rating: <u>200a</u>	MA	IN C.B.:	: <u>200A</u>	<u>-</u>	KAIC RATING: <u>22KAIC</u>	
	VOLTAGE: 208Y/120V	PH/	ASE: <u>3</u>	_ WIF	RE: <u>4</u>	MOUNTING: <u>SURFACE</u>	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIR N(
1	_	_	_	_	_	_	2
3	_	_	_	_	_	_	4
5	_	_	_		_	_	6
7	_		_	_	_	_	8
9	_	_				_	10
11	_				_	_	12
13	_			_	_	_	1.
15	_	_			_	_	16
17	_	_	_		_	_	18
19 21	_				_	_	20
23	_					_	2.
 	_	_				_	2
	_	_		_	_	_	2
 29	_	_	_	_	_	_	30
 31	_	_	_	_	_	_	3:
33	_	_	_	_	_	_	3.
35	SPARE	20	1	1	20	SPARE	3
37	SPARE	20	1	1	20	SPARE	3,
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	4

	MAIN RATING: 200A	МА	IN C.B.:	<u>200A</u>	<u>\</u>	KAIC RATING: 22KAIC	
	VOLTAGE: 208Y/120V	PH	ASE: <u>3</u>	_ WIF	RE: <u>4</u>	MOUNTING: <u>RECESSED</u>	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIR NO
1	_	_	_	_	_	_	2
3	_	_	_	_	_	_	4
5	_	_	_	_	_	_	6
7	_	_	_	_	_	_	8
9	_	_	_	_	_	_	1(
11	_	_	_	_	_	_	12
13	_	_	_	_	_	_	14
15	_	_	_	_	_	_	16
17	_	_	_	_	_	_	18
19	_	_	_	_	_	_	20
21	_	_	_	_	_	_	22
23	_	_	_	_	_	_	24
25	_	_	_	_	_	_	26
27	_	_	_	_	_	_	28
29	_	_	_	_	_	_	30
31	_	_	_	_	_	_	32
33	_	_	_	_	_	_	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

	LIGHTING FIXTURE SCHEDULE							
FIXTURE DESIGNATION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	MOUNTING	REMARKS		
	BEGA	24063	5.1W LED	UNV	RECESSED	RECESSED WALL LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.		
Q	BEGA	66698	12.5W LED	UNV	SURFACE	WALL LIGHT FIXTURE WITH SINGLE SIDED LIGHT OUTPUT. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.		
	FOCAL POINT	_	W LED	UNV	PENDANT	SEEM 1 LED DIRECT/INDIRECT. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.		
	FOCAL POINT	_	W LED	UNV	RECESSED	SEEM 6 LED LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.		
	FOCUS LIGHTING	_	W LED	UNV	PENDANT	H+M PENDEL LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.		
	LUMENWERX	_	W LED	UNV	PENDANT	RIM PENDANT LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.		
	_	_	_	UNV	_	LED EXIT SIGN WITH 90 MINUTES OF NICAD BATTERY BACKUP TIME. 8" RED LETTERS ON WHITE BACKGROUND. SURFACE MOUNTED WHITE CORROSION-PROOF THERMOPLASTIC HOUSING.		

#### NOTES:

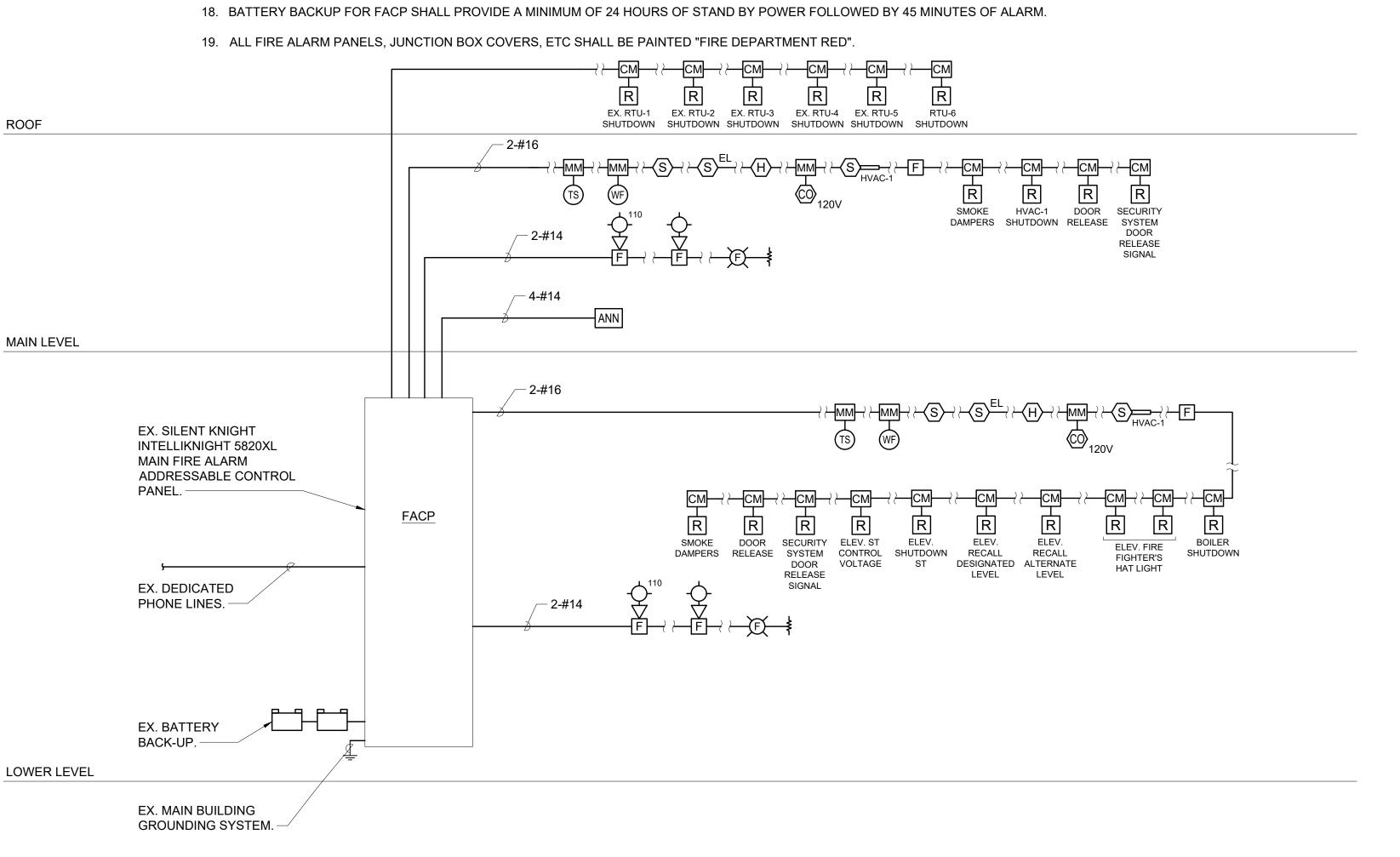
- 1.) VERIFY ALL FIXTURE CATALOG NUMBERS FOR INTENDED APPLICATIONS WITH REQUIRED ACCESSORIES.
- 2.) ALL BALLASTS AND DRIVERS IN FIXTURES LOCATED OUTDOORS SHALL BE ZERO DEGREE RATED STARTING TEMPERATURE. REFER TO DRAWINGS FOR LOCATION OF FIXTURES.
- 3.) LIGHT FIXTURES INDICATED AS EMERGENCY (EM) ON DRAWINGS SHALL CONTAIN AN EMERGENCY BACK-UP BATTERY WHERE POSSIBLE THE SHALL BE INTERNAL TO FIXTURE WITH A VISUAL INDICATING CHARGE LAMP AND TEST SWITCH. IF IT IS NOT POSSIBLE TO INSTALL THE EMERGENCY BATTERY IN THE FIXTURE, THE CONTRACTOR SHALL FURNISH & INSTALL A REMOTE EMERGENCY BATTERY. EACH BATTERY PACK
- FIXTURE SHALL AUTOMATICALLY ILLUMINATE FOR 90 MINUTES WITH A 1200 LUMEN OUTPUT (TOTAL FROM FIXTURE), MINIMUM. 4.) ALL EXIT AND EMERGENCY FIXTURES SHALL BE FED FROM UNSWITCHED LEG OF ASSOCIATED LOCAL LIGHTING CIRCUITS. 5.) IN THE EVENT THE CONTRACTOR CHOOSES TO SUBSTITUTE LIGHT FIXTURES FOR THOSE THAT ARE SPECIFIED ON THE LIGHT FIXTURE SCHEDULE, THE CONTRACTOR SHALL SUBMIT POINT—TO—POINT PHOTOMETRIC CALCULATIONS FOR ALL AREAS WHERE THE SUBSTITUTED FIXTURES
- ARE INDICATED TO BE INSTALLED ON THE DRAWINGS. THESE CALCULATIONS SHALL BE SUBMITTED ALONG WITH THE LIGHT FIXTURE SHOP DRAWINGS.

SHALL BE CONNECTED SO THAT THE FIXTURE CAN BE SWITCHED UNDER NORMAL CONDITIONS AND IN THE EVENT OF A POWER OUTAGE, THE

- 1. THIS IS NOT A POINT-TO-POINT WIRING DIAGRAM. PRIOR TO STARTING ANY WORK, A WORKING POINT-TO-POINT WIRING DIAGRAM SHALL BE OBTAINED FROM FIRE ALARM SYSTEM VENDOR AND PERFORM ALL WORK IN ACCORDANCE WITH THAT DIAGRAM.
- 2. ELECTRICAL CONTRACTOR SHALL INCLUDE IN THE BASE BID ALL 120V CIRCUITS THAT ARE REQUIRED TO SUPPORT THE OPERATION OF THE FIRE ALARM SYSTEM. COORDINATE REQUIREMENTS WITH THE FIRE ALARM VENDOR.
- 3. QUANTITY OF STROBE BOOSTER POWER SUPPLY PANELS AND ASSOCIATED 120V CIRCUITS SHALL BE COORDINATED WITH SELECTED FIRE ALARM SYSTEM MANUFACTURER AND/OR FIRE ALARM VENDOR.
- 4. PROVIDE ALL NECESSARY WIRING, MODULES, COMPONENTS, EXTENDER CABINET, AND PROGRAMMING REQUIRED TO CONNECT NEW DEVICES TO EXISTING SYSTEM.
- 5. PROVIDE ALL NECESSARY HARDWARE AND PROGRAMMING TO PROVIDE THE CLIENT WITH 20% SPARE CAPACITY ON ALL INITIATING AND INDICATING CIRCUITS.
- 6. PROVIDE AS PART OF THE BASE CONTRACT ALL LABOR AND MATERIALS TO INSTALL FIFTEEN (15) ADDITIONAL FIRE ALARM DEVICES DURING CONSTRUCTION. THE ADDITIONAL FIRE ALARM DEVICES CAN BE BUT NOT LIMITED TO SMOKE DETECTOR, HEAT DETECTOR, DOOR HOLDER, DUCT DETECTOR, FAN SHUTDOWN, TAMPER SWITCHES, FLOW SWITCHES, ETC. INCLUDE ALL LABOR AND MATERIALS INCLUDING WIRE, BOXES, CONDUIT, TERMINATIONS, HARDWARE, SOFTWARE, PROGRAMMING AND TESTING.
- 7. HEAT DETECTORS IN ELEVATOR MACHINE ROOM AND/OR SHAFT SHALL HAVE A LOWER TEMPERATURE RATING THAN THE NEARBY SPRINKLER HEAD(S). HEAT DETECTORS SHALL BE INSTALLED 2'-0" MAXIMUM AWAY FROM EACH SPRINKLER HEAD IN THE ELEVATOR MACHINE ROOM AND EACH HEAD LOCATED GREATER THAN 2'-0" ABOVE THE FLOOR OF THE ELEVATOR SHAFT. UPON ACTIVATION OF A HEAT DETECTOR USED FOR ELEVATOR POWER SHUTDOWN, THERE SHALL BE A DELAY IN THE ACTIVATION OF THE POWER SHUNT TRIP. THIS DELAY SHALL BE THE TIME THAT IT TAKES THE ELEVATOR CAB TO TRAVEL FROM THE TOP OF THE HOISTWAY TO THE LOWEST RECALL LEVEL. COORDINATE WITH ELEVATOR CONTRACTOR.
- 8. DUCT SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR AND INSTALLED IN DUCT WORK BY MECHANICAL CONTRACTOR.
- 9. CARBON MONOXIDE DETECTORS SHALL BE SUPERVISED BY FIRE ALARM SYSTEM AND SHALL NOT SEND AN ALARM SIGNAL TO THE SYSTEM. THESE DETECTORS SHALL BE MOUNTED ON SOUNDER BASES WHICH PROVIDE LOCAL ALARM ONLY IN A TEMPORAL 4 PATTERN OR CONSTANT TONE.
- 10. NATURAL GAS ALARMS (120V) SHALL BE SUPERVISED BY FIRE ALARM SYSTEM AND SHALL NOT SEND AN ALARM SIGNAL TO THE SYSTEM. THESE ALARMS SHALL CONTAIN INTERNAL HORNS TO PROVIDE LOCAL ALARM ONLY.
- 11. ALL VISUAL ALARM DEVICES SHALL BE ADA COMPLIANT.
- 12. ELECTRICAL CONTRACTOR TO PROVIDE A RELAY FOR EACH SMOKE DAMPER/COMBINATION FIRE SMOKE DAMPER. RELAYS ARE NOT SHOWN ON PLANS FOR CLARITY.
- 13. DOOR HOLDERS SHALL BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.
- 14. MAINTAIN A 19" TO 24" CLEARANCE AROUND THE CENTERLINE OF THE BEAM OF BEAM TYPE SMOKE DETECTORS.
- 15. PROVIDE REMOTE LED INDICATORS FOR ALL CONCEALED FIRE ALARM DEVICES SUCH AS DUCT SMOKE DETECTORS, ABOVE CEILING SMOKE DETECTORS, ELEVATOR SHAFT DETECTORS, MONITORING AND CONTROL MODULES, ETC. LED INDICATORS FOR DEVICES MOUNTED ABOVE DROP CEILINGS SHALL BE MOUNTED BELOW ASSOCIATED DEVICES. LABEL INDICATORS TO INDICATE DEVICE SERVED.
- 16. CONTRACTOR TO PROVIDE SMOKE DETECTOR(S) IN ALL LOCATIONS CONTAINING FIRE ALARM CONTROL PANELS, DATA GATHERING PANELS, BOOSTER POWER SUPPLIES, OR ANY OTHER FIRE

EMERGENCY CONTROL FUNCTION PER NFPA 72. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTROL MODULES CONNECTED TO FAN MOTOR CONTROLLERS, ELEVATOR CONTROLLERS, ETC.

- ALARM SYSTEM PANEL, WHETHER SHOWN ON PLANS OR NOT. 17. CONTROL MODULES USED TO INITIATE EMERGENCY CONTROL FUNCTIONS THAT DO NOT FAIL IN A SAFE POSITION SHALL BE LOCATED WITHIN 3 FEET OF THE COMPONENT CONTROLLING THE



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## DRAWING NOT FOR

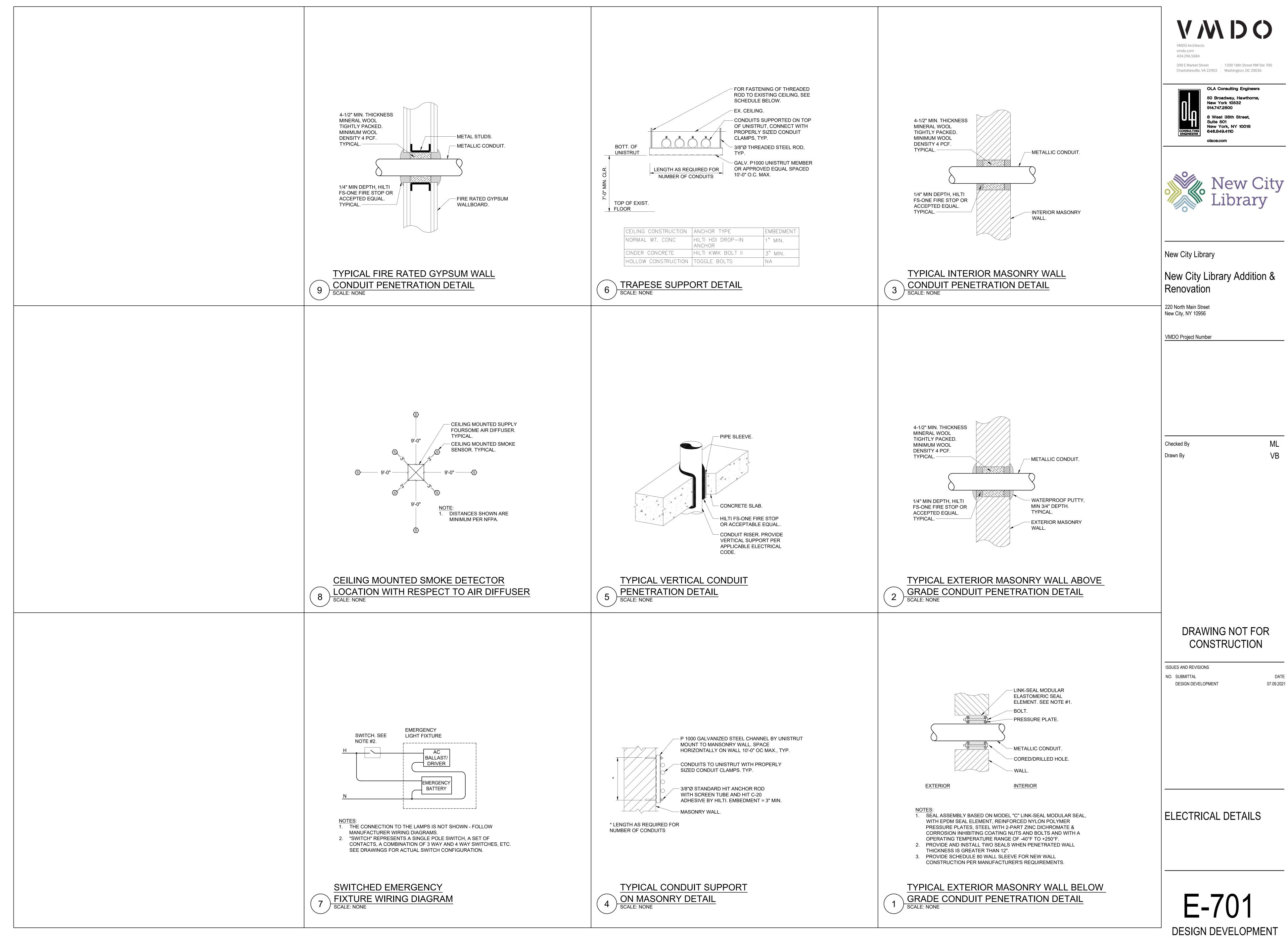
07.09.2021

ISSUES AND REVISIONS

DIAGRAM

NO. SUBMITTAL DESIGN DEVELOPMENT

ELECTRICAL SCHEDULES AND FIRE ALARM RISER





EX EXISTING TO REMAIN  NEW NEW WORK  DEM. EXISTING TO BE REMOVED  ELBOW UP  ELBOW UP  ELBOW DOWN  TEE DOWN  TEE DOWN  TEE UP  PIPE CAP OR FLUSHING CONNECTION  SATURDAY  OBUTTERFLY VALVE  TO SARY SATE VALVE  UNION  TEMPERATURE GAGE  PRESSURE GAGE  BY AMERICALS SPRINKLER HEADS AS SCIOREN FRINKLER FLOW AS SCIOREN FUNDAL STRINKLER HEADS AS SCIOREN FUNDAL STRINKLER HEADS AS SCIOREN FUNDAL STRINKLER HEADS AS SCIOREN FUNDAL STRINKLER FLOW AS SCIOREN FUNDAL STRINKLER HEADS AS SCIOREN FUNDAL STRINKLER FUNDAL STRINKLER HEADS AS SCIOREN FUNDAL STRINKLER H		ID ABBRE		GENERAL NOTES
1889   New Yorks	SYMBOL			1. THE REVISED SPRINKLER SY PROTECTION CONTRACTOR
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				2. COORDINATE ALL WORK WIT
		DEM.		FACILITIES, TO FACILITATE T FURNISH TO OTHER AFFECT
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THE LIP	<del></del>	_	TEE DOWN	3. CONTRACTOR SHALL CONDU THE SITE FOR PREPARATION
PIPE CAP OR IN SENSION CONNECTION   PRODUITE AT NO EXTREME AND CONTROL TO MANUAL PROPRIEST WATER AND CONTROL TO WATER AND CONTROL	<u> </u>	_	TEE UP	
OATE VALVE	<del></del>	_	PIPE CAP OR FLUSHING CONNECTION	PROVIDE AT NO EXTRA COST
0	<u> </u>	_	GATE VALVE	INDICATED OR NOT, BEFORE
1	<b>A</b>	_	OS&Y GATE VALVE	
	(\$)	_	BUTTERFLY VALVE	1" FOR TWO HEADS, 1-1/4" FO
	$\overline{\triangleright}$	_	CHECK VALVE	
1	ıļı	_	UNION	POSITIONED AS FOLLOWS: L
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ESI — WATER FLOW SWITCH  TAMPER SWITCH  NESPECTORS TEST CONNECTION  TO NEW PERFORMSTEST CONNECTION  TO FLOW ARROW  X	Ø H	_	PRESSURE GAGE	
- INSPECTORS TEST CONNECTION  - FLOW ARROW  - FLOW ARROW  - SYRINGLER GUARD  - CEXISTING SPRINGLER TO REMAIN  - EXISTING SPRINGLER TO BE REMOVED  - NEW PERIODEN SPRINGLER CONCEALED OR - ENGROSS AS NOTE - POINT OF CONNECTION  - POINT OF CONNECTION  - HYDRAULIC REFERENCE NODE - HYDRAULIC REFERENCE NODE - FIRE DEPARTMENT CONNECTION  - FPO FIRE PLIMP  - HYDRAULIC REFERENCE SPRINGLER - FOC FIRE DEPARTMENT CONNECTION  - FPO FIRE PLIMP  - AROVE FINISHED FLOOR - AIC ADOVE FINIS GERING - ATC AT CEILING - DOWN - ATC ELING - DOWN - FCA A COUNTROL ASSEMBLY - FO DOWN - FCA FLOOR CRAIN - GALLONS PER MINUTE - JP JOCKEY PLIMP  - FLOOR CONTROL ASSEMBLY - FO NORMALLY OLDS PEN MINUTE - JP JOCKEY PLIMP  - NATIONAL FIRE PROTECTION ASSOCIATION - NORMALLY CLOSED - NTS NOT TO SCALE - PRY PRESSURE REDUCING VALVE - PRY	FS	_	WATER FLOW SWITCH	8. WHEN CONCEALED TYPE SP CEILING PLANE TO LIMIT SHA
INSPECTORS TEST CONNECTION  FLOW ARROW  FLOW ARROW  FLOW ARROW  FLOW ARROW  FLOW ARROW  FLOW ARROW  RE - SPRINGLER GUARD  RE - EMISTING SPRINGLER TO REMAIN  RE - EMISTING SPRINGLER TO BE REMOVED  RE - SPRINGLER FLOWER CONCEALED OR EMPOSED SHOWLER FLOWER CONCEALED OR EMPOSED AS NOTE.  REW UPRIGHT SPRINGLER  REW UPRIGHT SPRINGLER  POINT OF CONNECTION  POINT OF CONNECTION  POINT OF CONNECTION  POINT OF DISCONNECTION  PER PREPAIR  POR FREE DEPARTMENT CONNECTION  FP PREPAIR  APP ABOVE FINISHED FLOOR  APP ABOVE FINISHED FLOOR  APP BACKFLOW PREVENTOR  DODA ADOUBLE CHECK DETECTION ASSEMBLY  DOWN DOWN  FCA FLOOR CONTROL ASSEMBLY  PU FLOOR ORAIN  GRAM GALLONS PER MINUTE  JP JOCKEY PUMP  NATIONAL FIRE PROTECTION ASSOCIATION  (NO) NORMALLY CLOSED  NTS NOT TO SCALE  PRY PRESSURE REDUCING VALVE  PSI POUNDS PER SQUARE INCH  PRY PRESSURE REDUCING VALVE  PSI POUNDS PER SQUARE INCH  PRY PRESSURE REDUCING VALVE  PSI POUNDS PER SQUARE INCH  PRY PRESSURE REDUCING VALVE  PSI POUNDS PER SQUARE INCH  PRY PRESSURE REDUCING VALVE  PSI POUNDS PER SQUARE INCH  PTY PIPICAL	TS	_	TAMPER SWITCH	9. PROVIDE TWO 2-1/2 GALLON
THE PLANS AND SPRINKLER FUNDS ON SPRINKLER FLANS ASSISTED AND SPRINKLER HANDS ASSISTED AND SPRINKLER HANDS ASSISTED AND SPRINKLER FLOW TARMAL RECOURSED AND THE EXPOSED AS NOTICE.  SIDEWALL SPRINKLER TO BE REMOVED  NEW SPENDENT SPRINKLER CONCEALED OR EXPOSED AS NOTICE.  NEW SPENDENT SPRINKLER  POINT OF CONNECTION  SIDEWALL SPRINKLER  POINT OF CONNECTION  POINT OF DISCONNECTION  IN HYDRAULIC REFERENCE SPRINKLER  PROPORT OF DISCONNECTION  FPD FIRE PUMP  FIRE PUMP  AFF ABOVE FINISHED FLOOR  AHC ABOVE FUNDS CELLING  ATC AT CELLING  BFP BACKFLOW PREVENTOR  DOWN  AFF ABOVE FINISHED FLOOR  AHC ABOVE HUNG CELLING  ATC AT CELLING  BFP BACKFLOW PREVENTOR  DOWN  FCA FLOOR CONTROL ASSEMBLY  DOWN  FCA FLOOR CONTROL ASSEMBLY  FD FLOOR THAN IN THE PROTECTION ASSOCIATION  (NO) NORNALLY OFEN  (NC) NORNALLY OFEN  (NC) NORNALLY OFEN  (NC) NORNALLY CLOSED  NTS NOT TO SCALE  PRY PRESSURE REDUCING VALVE  PSI POUNDS PER SQUARE INCH  TYP ITYPICAL		_		FOR EMERGENCY USE DURIN
SPRINKLER GUARD  OR	<b>-</b>	_		10. SPRINKLER PLAN SHOWS NE SPRINKLER HEADS AS SHOW
R	×	_		SHORTEN PIPING AS REQUIF
OR		_		——————————————————————————————————————
NEW PENDENT SPRINKLER, CONCEALED OR EXPOSED AS NOTED.   NEW UPRIGHT SPRINKLER		_		SYSTEM EXPANSION SHALL
NEW UPRIGHT SPRINKLER		_		12. EXISTING DRAIN VALVES AT
NET OF NOTION ASSEMBLY  - SIDEWALL SPRINKLER  - POINT OF CONNECTION  - POINT OF DISCONNECTION  - POINT OF DISCONNECTION  - POINT OF DISCONNECTION  - HYDRAULIC REFERENCE NODE  - HYDRAULIC REFERENCE SPRINKLER  - HYDRAULIC REFERENCE SPRINKLER  - HYDRAULIC REFERENCE SPRINKLER  - HYDRAULIC REFERENCE SPRINKLER  - FDC FIRE DEPARTMENT CONNECTION  - FP FIRE PUMP  - AFF ABOVE FINISHED FLOOR  - AHC ABOVE HUNG CEILING  - ATC AT CEILING  - BFP BACKFLOW PREVENTOR  - DCDA DOUBLE CHECK DETECTOR ASSEMBLY  - DCU DOUBLE CHECK VALVE BFP  - DNL DOWN  - FCA FLOOR CONTROL ASSEMBLY  - FD FLOOR DRAIN  - FLFD FUNNEL FLOOR DRAIN  - GPM GALLONS PER MINUTE  - JP JOCKEY PUMP  - NPPA NATIONAL FIRE PROTECTION ASSOCIATION  - (NO) NORMALLY CLOSED  - NTS NOT TO SCALE  - PRV PRESSURE REDUCING VALVE  - PSI POUNDS PER SQUARE INCH  - RP2 REDUCED PRESSURE ZONE BFP  - SF SOUARE FOOT  - TS TAMPER SWITCH  - TYP TYPICAL		_		13. PROVIDE ALL PIPE OPENING RATED PARTITIONS, THE SPA
POINT OF CONNECTION  □ POINT OF CONNECTION  □ POINT OF DISCONNECTION  □ POINT OF DISCONNECTION  □ HYDRAULIC REFERENCE NODE  □ FDC FIRE DEPARTMENT CONNECTION  □ FP FIRE PUMP  AFF ABOVE FINISHED FLOOR  AIC AT CEILING  BFP BACKFLOW PREVENTOR  DCDA DOUBLE CHECK VALVE BFP  DN. DOWN  FCA FLOOR CONTROL ASSEMBLY  FD FLOOR CONTROL ASSEMBLY  FD FLOOR CONTROL ASSEMBLY  FD FLOOR DRAIN  FLFD FUNNEL FLOOR DRAIN  GPM GALLONS PER MINUTE  JP JOCKEY PUMP  NFPA NATIONAL FIRE PROTECTION ASSOCIATION  (NO) NORMALLY OPEN  (NC) NORMALLY OPEN  PRV PRESSURE REDUCING VALVE  PSI POUNDS PER SQUARE INCH  RPZ REDUCED PRESSURE ZONE BFP  SF SQUARE FOOT  TS TAMPER SWITCH  TYP TYPICAL		_		FIRE STOPPING ASSEMBLY O
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TS TAMPER SWITCH  TYP TYPICAL		SF	SQUARE FOOT	
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#### **EQUIPMENT NOTES**

- THE REVISED SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED BY AN EXPERIENCED FIRE PROTECTION CONTRACTOR IN STRICT ACCORDANCE WITH NFPA-13, THE REQUIREMENTS OF THE LANDLORD, LANDLORD'S FIRE INSURANCE UNDERWRITER, AND ALL GOVERNMENTAL AGENCIES AND AUTHORITIES HAVING JURISDICTION OVER THE PREMESIS.
- COORDINATE ALL WORK WITH OTHER TRADES TO MINIMIZE INTERFERENCES WITH NEW AND EXISTING FACILITIES, TO FACILITATE TIMELY COMPLETION AND AVOID NECESSITY FOR CUTTING AND PATCHING. FURNISH TO OTHER AFFECTED TRADES ALL NECESSARY INFORMATION, WORKING DRAWINGS OR MATERIALS REQUIRED FOR INSTALLATION AND COMPLETION OF ALL WORK. ALL CONFLICTS, OBSTRUCTIONS AND/OR MODIFICATIONS TO THE SPRINKLER DESIGN LAYOUT DUE TO FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION.
- CONTRACTOR SHALL CONDUCT FLOW TEST TO ESTABLISH EXACT FLOW AND PRESSURE AVAILABLE ON THE SITE FOR PREPARATION OF HYDRAULIC CALCULATIONS.
- 4. ALTER PIPING AS REQUIRED TO SUIT NEW AND EXISTING CEILING HEIGHTS, DUCTWORK, AND LIGHTS. PROVIDE AT NO EXTRA COST ALL ADDITIONAL PIPING AND FITTINGS REQUIRED TO OFFSET SYSTEM TO AVOID STRUCTURAL, ARCHITECTURAL, MECHANICAL, AND ELECTRICAL INTERFERENCES, WHETHER INDICATED OR NOT, BEFORE INSTALLING WORK.
- WHEN INSTALLING SPRINKLER HEADS, THE CONTRACTOR SHALL PROVIDE THE SHORTEST HYDRAULIC PIPE LENGTH BETWEEN THE FINAL SPRINKLER HEAD LOCATION AND THE BRANCH LINE CONNECTION. MINIMUM 1" FOR TWO HEADS, 1-1/4" FOR THREE HEADS AND 1-1/2" FOR FIVE HEADS.
- 6. EXACT LOCATION OF SPRINKLER HEADS IN FINISHED AREAS SHALL BE COORDINATED WITH ARCHITECTURAL REFLECTED CEILING PLANS. SPRINKLER HEADS INSTALLED IN HUNG CEILING WILL BE POSITIONED AS FOLLOWS: LOCATED WITH TOLERANCE ± 1/2" OF THE CENTERLINE OF THE TILES.
- INSTALL SPRINKLER HEADS TIGHT TO BOTTOM OF HUNG CEILING WITH CARE THAT THE FINISH IS NOT
- WHEN CONCEALED TYPE SPRINKLER HEADS ARE USED, THE COVER PLATES WILL BE FLUSH WITH THE CEILING PLANE TO LIMIT SHADOW EFFECT. TOLERANCE GREATER THAN ± 1/8" IS UNACCEPTABLE.
- 9. PROVIDE TWO 2-1/2 GALLON PRESSURIZED WATER AND ONE 10 LB ABC DRY CHEMICAL EXTINGUISHERS FOR EMERGENCY USE DURING CONSTRUCTION.
- 10. SPRINKLER PLAN SHOWS NEW, EXISTING TO REMAIN AND SPRINKLER HEADS TO BE REMOVED ONLY. ADD SPRINKLER HEADS AS SHOWN ON PLAN AND REUSE EXISTING BRANCH PIPING. MODIFY, EXTEND, AND SHORTEN PIPING AS REQUIRED.
- 11. EXISTING FLOW, TAMPER AND ALARM DEVICES MUST BE TIED INTO THE BUILDING'S FIRE ALARM SYSTEM. ALL REQUIRED EXTENDER PANELS, CODE TRANSMITTERS, ETC. AS MAY BE REQUIRED TO INTEGRATE THE SYSTEM EXPANSION SHALL BE FURNISHED AND INSTALLED BY THE SPRINKLER CONTRACTOR.
- 12. EXISTING DRAIN VALVES AT MAIN SHUT-OFF VALVES, LOW POINTS, AND APPARATUS SHALL BE MAINTAINED.
- 13. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH A LISTED FIRE STOPPING ASSEMBLY OR MATERIAL.
- 14. ALL HOSE CONNECTION AND FIRE DEPARTMENT CONNECTION THREADS SHALL BE TESTED TO VERIFY COMPATIBILITY WITH THREADS USED BY LOCAL FIRE DEPARTMENT, IN ACCORDANCE WITH NFPA-14 (2013) SECTION 11.3.
- 15. THE CONTRACTOR SHALL MAKE A PROVISION FOR (10) EXTRA SPRINKLERS INCLUDING IMMEDIATE BRANCH PIPING, FITTINGS AND ARM-OVERS. THE CONTRACTOR SHALL COORDINATE WITH FINAL CONFIGURATION OF OPEN AND HUNG CEILINGS, ALL HVAC DUCTWORK AND PIPING AND STRUCTURAL ELEMENTS THROUGHOUT THE AREA OF WORK.

- TAMPER SWITCHES: SHALL BE AS MANUFACTURED BY POTTER ELECTRIC SIGNAL CO. FOR EACH POSSIBLE SHUT-OFF VALVE TYPE:
- MODEL OSYSU-2 FOR OS&Y VALVES.
- MODEL PCVS-2 FOR BUTTERFLY VALVES.
- MODEL RBVS FOR BALL VALVES.
- 2. SPRINKLER PIPING MATERIAL: SHALL BE STANDARD WEIGHT SCHEDULE 40 BLACK STEEL PIPE, SEAMLESS OR WELDED MILD STEEL, CONFORMING TO ASTM A-795/A-53. SCHEDULE 10 PIPING IS NOT PERMITTED FOR PIPING LESS THAN 2".
- . WATERFLOW ALARM SWITCH: SHALL BE BASED ON POTTER ELECTRIC SIGNAL CO. VSR SERIES. PROVIDE WATERFLOW ALARM SWITCHES WHERE INDICATED ON THE DRAWINGS.
- 4. FIRE DEPARTMENT CONNECTION: SHALL BE BASED ON CROKER 6030 OR EQUAL AT BUILDING FACADE. SIAMESE SHALL BE PLACED BETWEEN 18 INCHES AND 36 INCHES ABOVE THE SIDEWALK. FIRE DEPARTMENT CONNECTION SHALL HAVE TWO (2) 3" INTERNALLY THREADED SWIVEL FITTINGS WITH THREADS CONFORMING TO AHJ STANDARDS WITH 4" OUTLET. PROVIDE AUTOMATIC BALL DRIP AT FDC FACE PLATE.
- 2. SPRINKLERS: REFER TO DRAWING SP-701 FOR SPRINKLER HEAD SCHEDULE.

HAZARD CLASSIFICATION <sup>(1)</sup>	DENSITY <sup>(2)</sup>	PROTECTION AREA PER SPRINKLER <sup>(3)</sup>
LIGHT HAZARD	0.1 GPM / 1500 SQ. FT.	225 SQ. FT. MAX
ORDINARY HAZARD GROUP 1	0.15 GPM / 1500 SQ. FT.	130 SQ. FT. MAX
NOTES:		

1.) HAZARD CLASSIFICATION, DENSITY AND MAX. PROTECTION AREA SHALL BE IN ACCORDANCE WITH NFPA 13 - 2013 RECOMMENDATIONS UNLESS OTHERWISE NOTED. 2.) WHERE REQUIRED BY THE BUILDING DEPARTMENT OR AUTHORITY HAVING JURISDICTION FOR PERMIT, THE ENTIRE SYSTEM SHALL BE HYDRAULICALLY CALCULATED.

3.) THE MINIMUM PRESSURE AT EACH SPRINKLER HEAD SHALL BE 7 PSI. 4.) EQUIVALENT FITTING LENGTHS USED IN HYDRAULIC CALCULATIONS SHALL BE IN ACCORDANCE WITH NFPA 13 - 2013. 5.) DISCHARGE FROM EACH SPRINKLER SHALL NOT BE LESS THAN REQUIRED AREA COVERAGE BY THIS HEAD. AREA COVERAGE PER HEAD SHALL BE DETERMINED IN ACCORDANCE WITH NFPA 13 SECTION 8.6.2.2.1 (2013). 6.) HYDRAULIC CALCULATIONS SHALL BE BROUGHT BACK TO THE CONNECTION TO THE

RISER OR SPRINKLER CONTROL VALVE (F.C.A). FLOW VELOCITY IN SPRINKLER PIPING SHALL NOT EXCEED 20 FEET PER SECOND (FPS).

WATER SUPPLY	/ DATA	
DATE:		
TIME:		
PERFORMED BY:		
STATIC PRESSURE AT RESIDUAL FIRE HYDRANT:		
RESIDUAL PRESSURE AT RESIDUAL FIRE HYDRANT:		
MEASURED FLOW AT FLOW FIRE HYDRANT:		
NOTES:		

SIZE	LIGHT HAZARD	ORDINARY HAZARD
SIZE	QTY SPRINKLERS	QTY SPRINKLERS
1"	2	2
11/4"	3	3
1½"	5	5
2"	10	10
2½"	30	20
3"	60	40
3½"	100	65
4"	SEE NOTE 3	100

3. AREAS REQUIRING MORE SPRINKLERS THAN SPECIFIED FOR 3½" SHALL BE SUPPLIED BY MAINS OR RISERS SIZED

2. ALL PIPING BASED ON SCHEDULE 40 BLACK

FOR ORDINARY HAZARD OCCUPANCIES.

#### **DESIGN CRITERIA**

HAZARD CLASSIFICATION <sup>(1)</sup>	DENSITY <sup>(2)</sup>	PROTECTION AREA PER SPRINKLER <sup>(3)</sup>			
LIGHT HAZARD	0.1 GPM / 1500 SQ. FT.	225 SQ. FT. MAX			
ORDINARY HAZARD GROUP 1	0.15 GPM / 1500 SQ. FT.	130 SQ. FT. MAX			
NOTES:					

New York 10532 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.849.4110

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New City Library

New City Library Addition & Renovation

220 North Main Street New City, NY 10956

VMDO Project Number

Checked By Drawn By

DRAWING NOT FOR

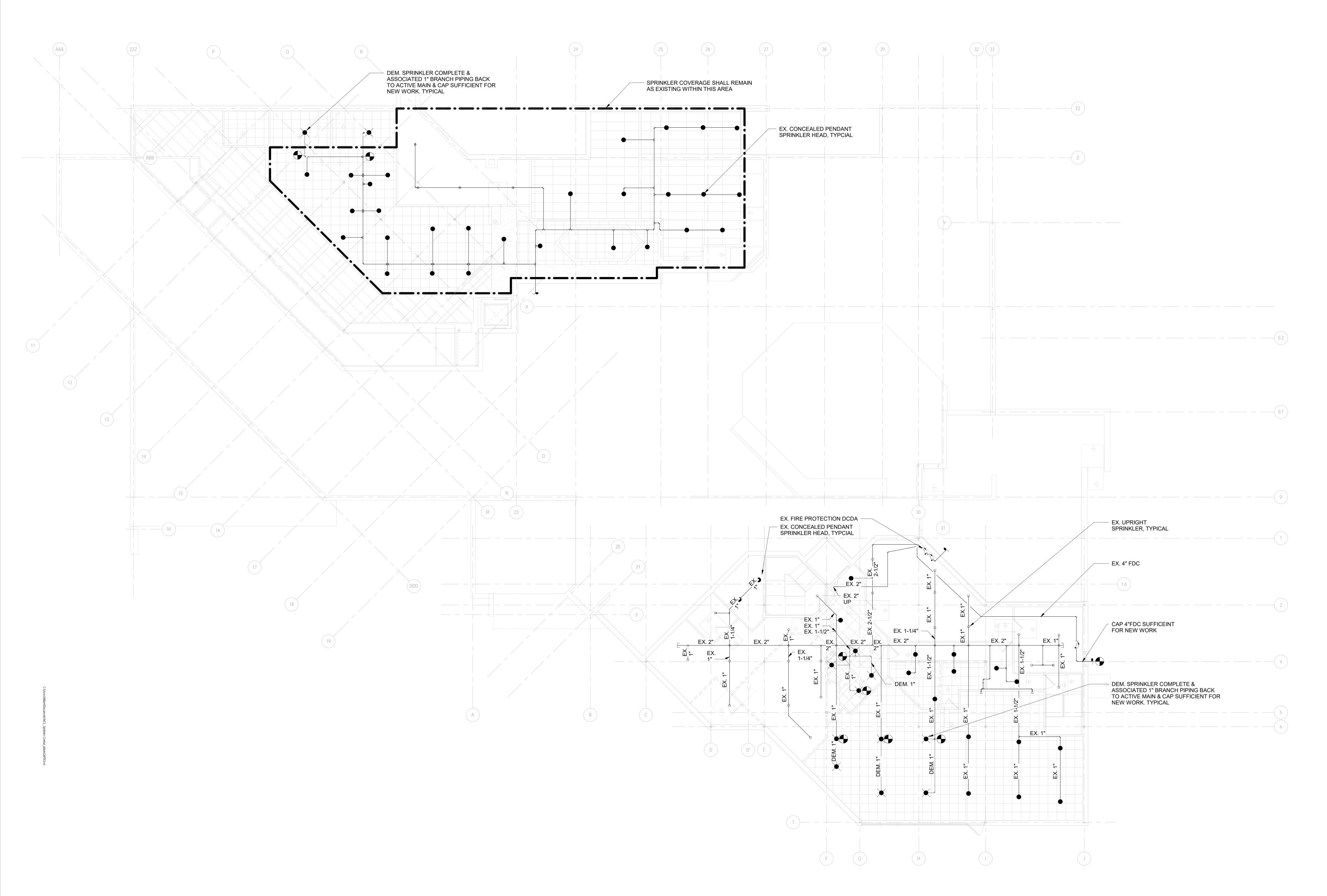
07.09.2021

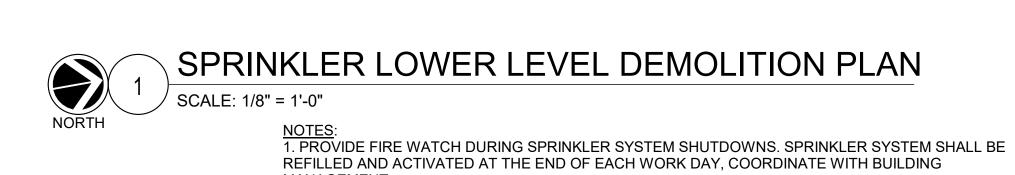
CONSTRUCTION

ISSUES AND REVISIONS

DESIGN DEVELOPMENT

SPRNIKLER SYMBOLS, ABBREVIATIONS AND NOTES







VMDO Architects vmdo.com 434.296.5684

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New City Library Addition & Renovation

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ISSUES AND REVISIONS

NO. SUBMITTAL1 Design Development

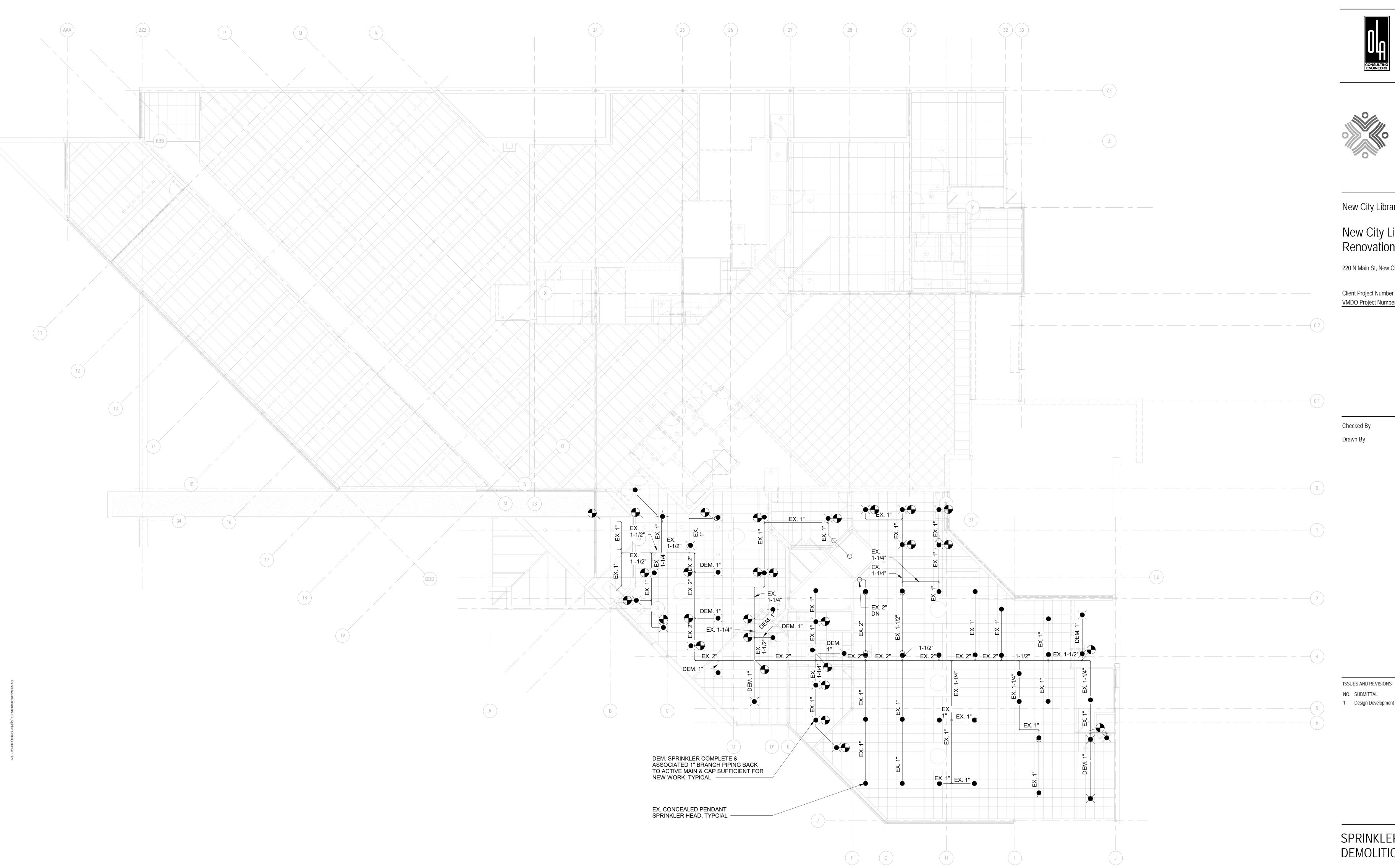
SPRINKLER LOWER LEVEL DEMOLITION PLAN

SP-101

DESIGN DEVELOPMENT
07.09.2021

DATE

07.09.2021



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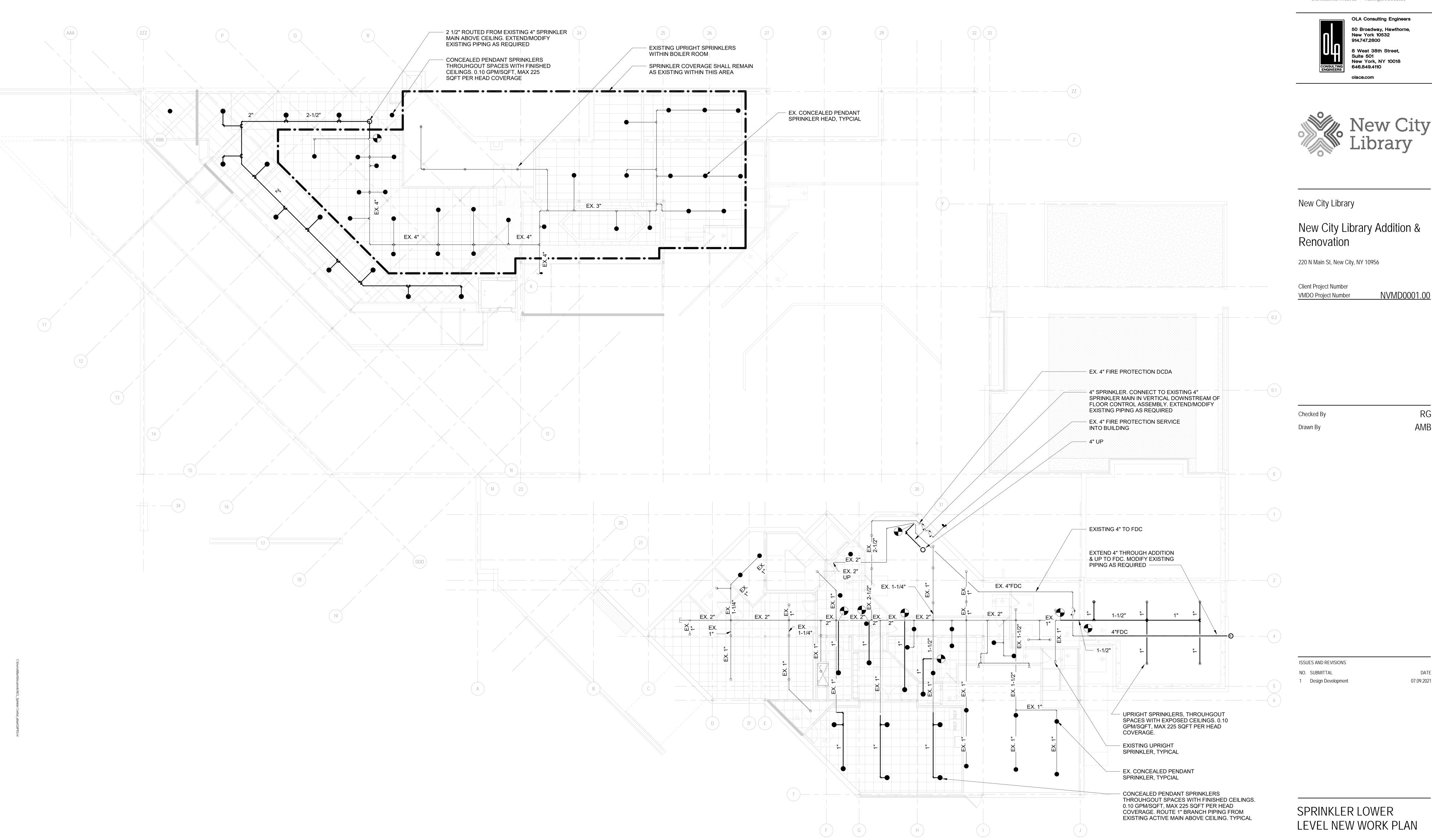
NO. SUBMITTAL 1 Design Development

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SPRINKLER MAIN LEVEL DEMOLITION PLAN

SP-102





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DATE

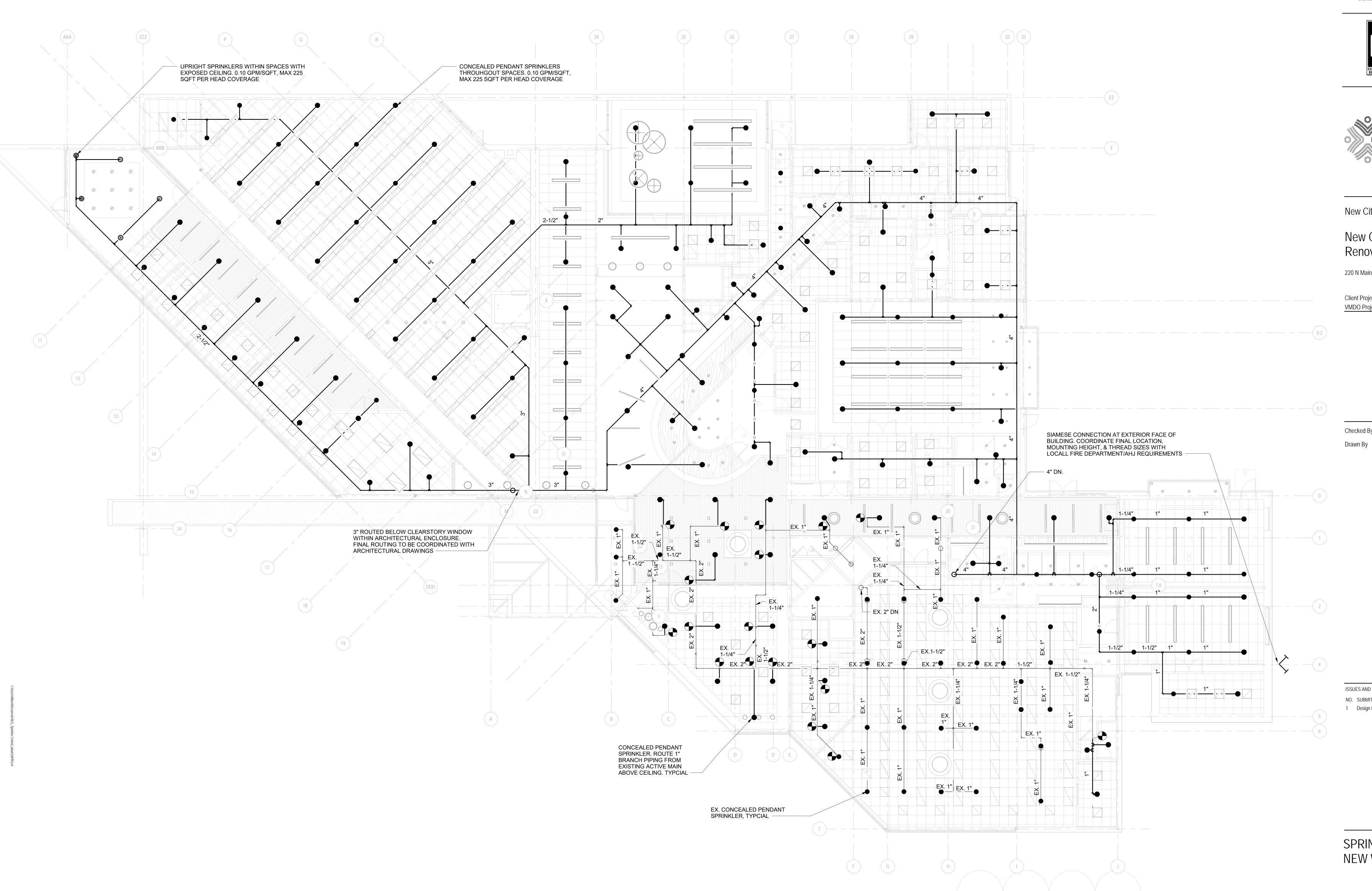
SPRINKLER LOWER LEVEL NEW WORK PLAN

DESIGN DEVELOPMENT



NOTES:

1. PROVIDE FIRE WATCH DURING SPRINKLER SYSTEM SHUTDOWNS. SPRINKLER SYSTEM SHALL BE REFILLED AND ACTIVATED AT THE END OF EACH WORK DAY, COORDINATE WITH BUILDING MANAGEMENT. 2. SPRINKLER CONTRACTOR SHALL CONFIRM EXISTING SPRINKLERS TO BE STANDARD RESPONSE



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ISSUES AND REVISIONS

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SPRINKLER MAIN LEVEL NEW WORK PLAN

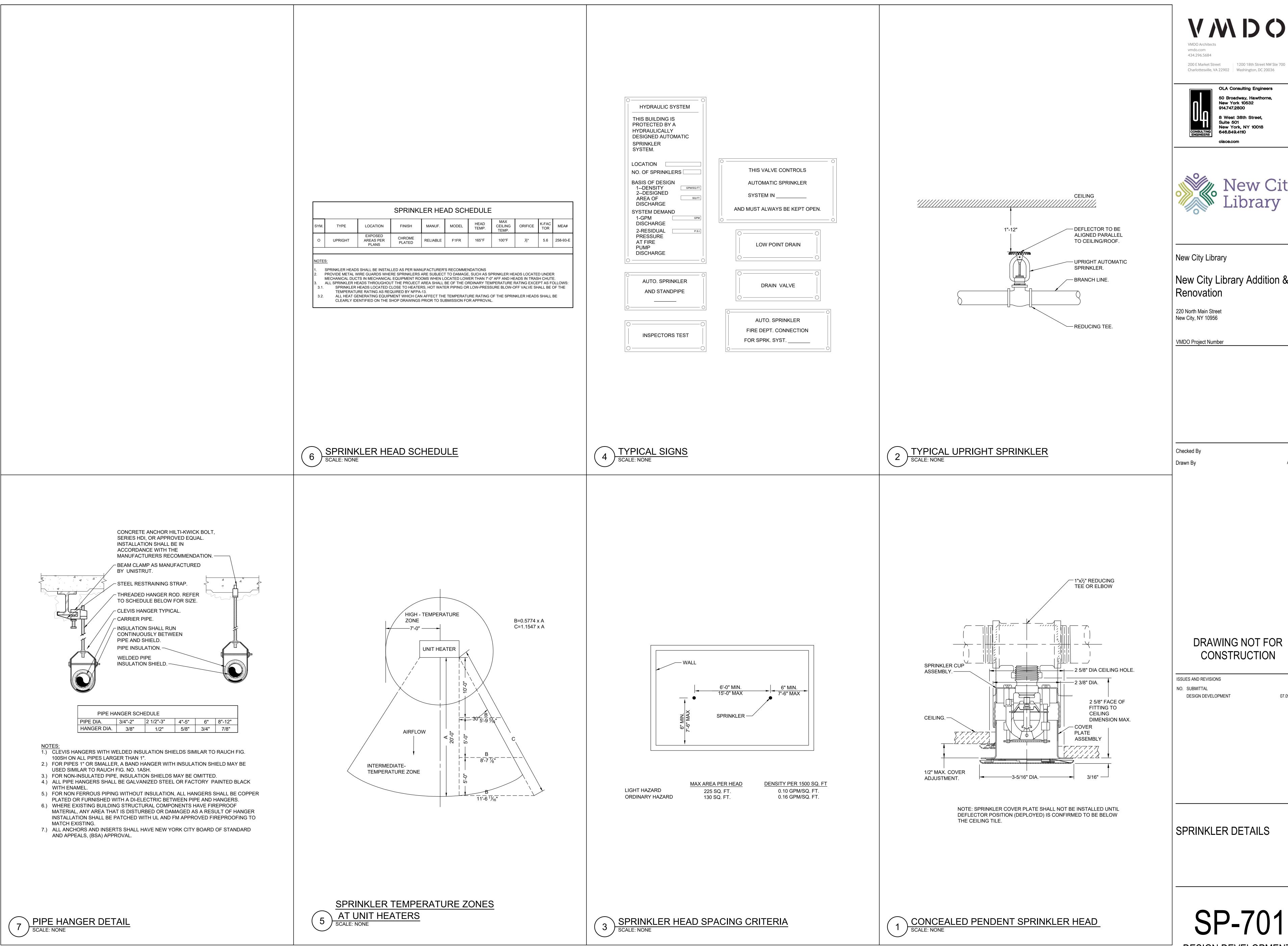
DESIGN DEVELOPMENT

SPRINKLER MAIN LEVEL NEW WORK PLAN

NOTES:

1. PROVIDE FIRE WATCH DURING SPRINKLER SYSTEM SHUTDOWNS. SPRINKLER SYSTEM SHALL BE REFILLED AND ACTIVATED AT THE END OF EACH WORK DAY, COORDINATE WITH BUILDING MANAGEMENT. 2. SPRINKLER CONTRACTOR SHALL CONFIRM EXISTING SPRINKLERS TO BE STANDARD RESPONSE TYPE. ALL NEW SPRINKLERS WITHIN THE OPEN FLOOR AREAS SHALL BE STANDARD RESPONSE

TYPE TO MATCH THE EXISTING HEAD RESPONSE TYPE. NEW SPRINKLERS WITHIN INDIVIDUAL ROOMS SHALL BE QUICK RESPONSE TYPE.



SP-701

DESIGN DEVELOPMENT
07.09.2021

New City Library Addition &

DRAWING NOT FOR

DATE

07.09.2021