CONSTRUCTION DOCUMENTS

EXPANSION AND RENOVATION Warsaw Public Library

130 North Main Street Warsaw, New York

FOR

Town of Warsaw

83 Center Street Warsaw, NY 14569

ABBREVIATIONS

	Above	ft	Foot or Feet	psf	Pounds per Square Foot	E.
ff	Above Finish Floor	fta	Footing	psi	Pounds per Square Inch	
dl	Additional	fnd	Foundation	pt	Pressure Treated	
 	Adjust / Adjacent	frz	Freezer	prov	Provide	
uj /-		furn	Furnace	prov	Trovide	
/ C 11	Air Conditioning	iuni	Turnace	anh i	Quantity	K
IT 1	Alternate	1		qıy		Ě
l	Aluminum	galv	Galvanized	qt	Quarry lile	P _{er}
pprox	Approximate	ga	Gauge		- .	
		gl	Glass or Glazing	rad	Radius	
smt	Basement	gfi	Ground Fault Interrupter	refr	Refrigerator	
rg	Bearing	gpdw	Gypsum Drywall	reinf	Reinforce(d)/Reinforcing	5
m	Bench Mark			rcp	Reinforced Concrete Pipe	
twn	Between	hcp	Handicap	rvt	Reinforced Vinyl Tile	
lka	Blocking	hdw	Hardware	read	Required	
d	Board	hdr	Header	ra	Return Air	
	Both Ways	hat	Height	rev	Revision / Revised	
**	Bettern	htr.	Hester	10V rd	Revision/ Revised	
	Bollom D : L :	1111		ra	Rooi Drain	
rdg	Bridging	hvac	Heating / Ventilation	rm	Koom	
Idg	Building		/ Air Conditioning	ro	Rough Opening	
		hm	Hollow Metal	rbr	Rubber	
ab	Cabinet	horiz	Horizontal			
pt	Carpet	hb	Hose Bib	san	Sanitary	ľ
smt	Casement			shth	Sheathing	
b	Catch Basin	in	Inch	shr	Shower	
la	Ceiling	id	Inside Diameter	sim	Similar	
tr	Center	insul	Insulation	spec	Specification	ľ
/c	Center to Center	int	Interior	ef	Square Eoot	ľ
/ C	Certer 10 Certer	iini imi	Invent	اد	Square 1001	
T				sia		
0		ISJT	Isolation Joint	stn	Stain(ed)	
los	Closet			SS	Stainless Steel	_
ol	Column	jt	Joint	stl	Steel	
onc	Concrete	jst	Joist	strl	Structural	
mu	Concrete Masonry Unit			susp	Suspended	
sjt	Construction Joint	lav	Lavatory			
ont	Continuous	lf	Linear Foot	tmpd	Tempered	
it	Control Joint	lvl	Laminated Veneer Lumber	thk	Thickness	
, U	Copper			tõa	Iongue and Groove	2
mn	Corrugated Metal Pipe	mfr	Manufacturer	tof	Top Of Foundation	
p	Courses	 mo	Masonry Opening	topl	Top Of Plate	
.1 5	courses	mət	Material	topi	Top Of Stool	
1.1	Dutil	IIIdi		IOS		2
let 1.		max	/viaximum	tow		
lið		mech		trans	Iransparent	
lim	Dimension	mtl	Metal	typ	lypical	
w	Dishwasher	min	Minimum			
bl	Double	misc	Miscellaneous	uon	Unless Otherwise Noted	
lh	Double Hung (Window)					
In	Down	nom	Nominal	vr	Vapor Retarder	
ls	Downspout	n/a	Not Applicable	vif	Verify In Field	
wa	Drawing	nic	Not In Contract	vert	Vertical	F
f	Drinking Fountain	nts	Not To Scale			►
•		no #	Number		Water Closet	
-	Fach	ΠΟ. π	rumber	vv C	Waterproof	
a 	Elach Electrical			wp		
iec	Electrical	oc		wt	vveight	
lev	Elevation	opng	Opening	wwt	Welded Wire Fabric	
p	Equal	орр	Opposite	w/	With	Ē
quip	Equipment	oz	Ounce	w/o	Without	
xh	Exhaust	od	Outside Diameter	wd	Wood	
kg	Existing	ovhd	Overhead			F
xpit	Expansion Joint	pr	Pair			Ń
xt	Exterior	, pnl	Panel			
		pr."	Paint(ed)			
.r	Face Of Einish	hii				
		d ,	renny (nails)			
21	Face Of Masonry	pert	Pertorated			
om	Eaco () H Stude	plas	Plaster			
om os						• –
om os n	Finish(ed)	, p lam	Plastic Laminate			
אית איז איז איז	Finish(ed) Finish Coat	p lam pl	Plastic Laminate Plate			
יי יות וs ו	Finish(ed) Finish Coat Floor	p lam pl pwd	Plastic Laminate Plate Plywood			



PROJECT TEAM: PROJECT OWNER AL 130 North Main Street, Warsaw, NY 14569 83 Center Street, Warsaw, NY 14569 (585) 786-5650 | www.warsawpubliclibrary.org (585) 786-2800 | www.townofwarsawny.org **PROJECT LOCATION:** Rochester St. North St State St Project Site irt St. W Court S N.Court St Murray. Frank St. Genesee S E Buffalo St Livingston S Brooklyn St. rockim ARCHITECT'S CERTIFICATION STATEMENT "The Architect certifies that this project has been designed by me, or under my supervision, in accordance with the NYS Uniform Code and New York State Supplement, latest version, the International Energy Conservation Code with the New York State Supplement (latest version), and applicable federal, state and local laws, codes, and regulations, and to the best of my knowledge and belief, these documents are in conformance therewith." Registered Archiect NYS Reg. No. Date



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		STAMP:
	© 202	3 Bero Architecture PLLC
	STRUC	CTURAL ENGINEER:
		SEAST Main Street
	Roo	hester, NY 14609
	ME	P/FP ENGINEER:
	CW	Engineering
	315 Roc	Rockingham Street :hester, NY 14620
FI CR ST/	DRAWING DOCUMENTS, I ORM, PREPARE INSTRUMENTS (RESPECT TO THI EATED. THE ARC ATUTORY AND (S, SPECHICATIONS AND OTHER NCLUDING THOSE IN ELECTRONIC D BY BERO ARCHITECTURE PLLC ARE OF SERVICE FOR USE SOLELY WITH E PROJECT FOR WHICH THEY WERE CHITECT RETAINS ALL COMMON LAW, DTHER RESERVED RIGHTS, INCLUDING COPYRIGHT.
F MI PE SI A	OR ARCHITECTI EDIA, IT IS A VIC THE NEW YORK RSON, UNLESS LICENSED ARCI ALTERED, SUCH GNATURE, THE ND THE SPECIFI WHERE DRAW	URAL DRAWINGS AND ELECTRONIC DLATION OF TITLE VII, PART 69.5(B) OF STATE EDUCATION LAW FOR ANY ACTING UNDER THE DIRECTION OF A HITECT TO ALTER THIS DRAWING. IF ARCHITECT SHALL AFFIX THEIR SEAL, DATE, THE NOTATION "ALTERED BY", C DESCRIPTION OF THE ALTERATION.
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		ANER:
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		ABER: 22121
ISS	UE DATE:	February 25, 2025
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APPLICABLE CONSTRUCTION CODES:	CODE PLAN LEGEND		CODE DATA SUM	IMARY:	
2020 Existing Building Code of New York State 2020 Building Code of New York State 2020 Fire Protection Code of New York State	<u>Stair Capacity Symbol</u> Egress Stair		Building was constr codes in existance	ructed and subsequent alteration at that time.	ns made in compliance
2020 Electrical Code of New York State 2020 Mechanical Code of New York State 2020 Plumbing Code of New York State	48" (.3) 160	—— Stair Clear Width —— Load Factor, NS —— Exit Capacity Occupants (calculated)	Use Group: Construction:	A - Assembly, Group A-3 Exg 1906, building Exg 1988-89 Addition	Type III-B Type II-B
2016 New York State Uniform Code Supplement Accessible and Usable Buildings and Facilities ICC A117.1- 2009 Edition	Door Capacity Symbol Exit Door		Fire Safety:	Fire Alarm System (per NFP Code Compliant Emergency Carbon monoxide detectior Extension of Automatic Sprir	PA 72). y and Exit Lighting. n. nkler System at the add
New construction will comply with requirements of the current Codes listed. Definition: Work area: "That portion or portions of a building consisting of all reconfigured spaces as indicated on the construction documents. Work area excludes other portions of the building where incidental work	(.2) 395	— Exit Clear Width — Load Factor, NS — Exit Capacity Occupants (calculated)	[B] Table 504.4 Allowable # of stories above grade plane:	Exg building + Addition A-3 NS Type II-B (Proposed addition = infill c	Two of existing second stor
entailed by the intended work must be performed and portions of the building where work not initially intended by the owner is specifically required by this code."			[B] Table 506.2 Allowable area factor in square feet:	Exg building + Addition A-3 NS Type II-B	9,500sf
			Occupant Load: (calculated)	Location Lower Level First Floor Mezzanine/Storage	Occupants 75 30 a <u>2</u>
	APPLICABLE CONSTRUCTION CODES: 2020 Existing Building Code of New York State 2020 Birle Protection Code of New York State 2020 Fire Protection Code of New York State 2020 Mechanical Code of New York State 2020 Plumbing Code of New York State 2020 Plumbing Code of New York State 2016 New York State Uniform Code Supplement Accessible and Usable Buildings and Facilities ICC A117.1- 2009 Edition New construction will comply with requirements of the current Codes listed. Definition: Work area: "That portion or portions of a building consisting of all reconfigured spaces as indicated on the construction documents. Work area excludes other portions of the building where incidental work entailed by the intended work must be performed and portions of the building where work not initially intended by the owner is specifically required by this code."	APPLICABLE CONSTRUCTION CODES:CODE PLAN LEGEND2020 Existing Building Code of New York State2020 Building Code of New York StateStair Capacity Symbol2020 Electrical Code of New York State2020 Plumbing Code of New York StateEgress Stair2020 Plumbing Code of New York State2016 New York State Uniform Code Supplement48" (.3)Accessible and Usable Buildings and Facilities ICC A117.1- 2009 EditionDoor Capacity SymbolNew construction will comply with requirements of the current Codes listed.Exit DoorDefinition: work area: "That portion or portions of a building consisting of all reconfigured spaces as indicated on the construction documents. Work area excludes other portions of the building where incidental work entailed by the intended work must be performed and portions of the building where work not initially intended by the owner is specifically required by this code."CODE PLAN LEGEND	APPLICABLE CONSIRUCTION CODES: 2020 Existing Building Code of New York State 2020 Electrical Code of New York State 2020 Detertical Code of New York State 2020 Plumbing Code o	APPLICABLE CONSTRUCTION CODES: CODE PLAN LEGEND CODE PLAN EGEND 2020 Existing Building Code of New York State Building Code of New York State Building Was construction 2020 Electrical Code of New York State Egress Stair Building was construction: 2020 Electrical Code of New York State Stair Clear Width Use Group: 2020 Fire Protection Code of New York State Door Capacity Symbol Egress Stair Use Group: 2021 Fire Protection Code of New York State Door Capacity Symbol Exit Capacity Occupants (calculated) Fire Safety: 2020 Finition: New construction will comply with requirements of the current Codes listed. Door Capacity Symbol Exit Door [B] Table 504.4 Allowable # of stories above grade plane: Work areas: "That portion or portions of a building work must be performed and portions of the building where incidental work entailed by the intended work must be performed and portions of the building where incidental work entailed by the intended work must be performed and portions of the building where work not initially intended by the owner is specifically required by this code." [B] Table 506.2 Allowable area factor in square feet: Occupant Load: (calculated) Occupant Load: (calculated) Occupant Load: Occupant Load:	APPLICABLE CONSINCLION CODES: CODE PLAN LEGEND CODE And LEGEND 2020 Existing Building Code of New York State State Capacity Symbol Building was constructed and subsequent alleration codes in existance at that lime. Use Group: A - Assembly, Group A-3 2020 Existing Building Code of New York State State Capacity Symbol Use Group: A - Assembly, Group A-3 2020 Existing Code of New York State State Capacity Symbol Exg 1988-89 Addition 2020 Plumbing Code of New York State Definition: Definition: Der Capacity Symbol Exit Capacity Occupants (calculated) New construction will comply with requirements of the current Codes listed. Der Capacity Symbol Exit Door Exit Clear Width Exit Clear Width Umber and State Building was and state Building was a particulated to the construction documents. Work area excludes other portions of a building consisting of all reconfigured spaces as indicated on the construction documents. Work area excludes other portions of the building where work not initially intended by the intended work must be performed and portions of the building where work not initially intended by the owner is specifically required by this code." Exit Capacity Occupants (calculated) B) Table 506.2 Allowable area (actor in square feet: A-3 NS Type II-B Coord and work must be performed and portions of the building where work not initially intended by the owner is speci



EAST COURT STREET



Scale: 3/32" = 1'-0"



General Site Plan Notes:

Approximate Property Line

- 1. Refer to drawings C-1 and C-2 for detailed site and water service information.
- Protect persons, motor vehicles, surrounding surfaces of building, building site, plants, and surrounding buildings from harm resulting from alteration work.
- Location of staging, storage, unloading, and contractor parking areas shall be reviewed, coordinated, and approved by Owner prior to commencement of work.
- Protect site improvements from damage. Restore damaged work to condition existing before start of site clearing. Protect trees and shrubs from damage and maintain vegetation.
- Restore site to existing conditions at completion of project. Restore damaged improvements, if necessary, as acceptable to Owner.
- 6. Determine location of existing utility services trenching. Comply with local utility service requirements. Contractor is responsible for verifying location of utilities at job site. Maintain existing utilities in service and protect them against damage during selective demolition operations.

LEGEND OF LINETYPES SHOWN

	EXISTING PROPERTY LINE
	EXISTING EASEMENT LINE
OE	OVERHEAD ELECTRIC
UE	UNDERGROUND ELECTRIC
G	GAS MAIN/SERVICE
S	SANITARY SEWER MAIN OF
ST	STORM SEWER
W	WATERMAIN/WATER SERVIC
-00	EXISTING FENCE LINE
Ō	HYDRANT
\odot	TREE
Ø	UTILITY POLE

RHEAD ELECTRIC ERGROUND ELECTRIC MAIN/SERVICE TARY SEWER MAIN OR LATERAL RM SEWER RMAIN/WATER SERVICE TING FENCE LINE RANT ITY POLE X \frown \mathcal{O} CO1 ĿIJ \vdash ROU⁻ \bigcirc \succ Ź LAWN Ę. \mathbf{O} S LAWN AND TREES Ő



5' 10'

20'

SCALE: 1"=10'

0'

EXISTING BRICK BUILDING EXTENDS ENTIRE LENGTH OF PROPERTY LINE AND IS APPROXIMATELY 1 FOOT SOUTH OF PROPERTY LINE.





SITE DATA/ GENERAL NOTES

- 1. PROPERTY LINES SHOWN ARE TAKEN FROM SEAR-BROWN DRAWING PREPARD FOR THE 1988 LIBRARY ADDITION AND DO NOT SHOW ROW TAKINGS FROM NYSDOT FOR MAIN STREET.
- 2. ALL DISTANCES AND ELEVATIONS ARE MEASURED IN DECIMAL FEET.
- 3. ORIENTATION OF DRAWING IS STATE PLAN CENTRAL 1983 WITH MAP BEARINGS SHOWN.
- 4. UTILITIES ARE SHOWN BASED ON SURFACE FEATURES FIELD SURVEYED IN ADDITION TO RECORD INFORMATION OBTAINED FROM THE REFERENCED SEAR BROWN DRAWING AND WATER SYSTEM RECORD INFORMATION PROVIDED BY THE WATER SUPPLIER.

LEGEND OF EXISTING FEATURES AND PROPOSED WORK ITEMS

(A) EXISTING 2" WATER SERVICE TO BUILDING. NOTE THAT EXACT ROUTE OF THE EXISTING 2" SERVICE FROM THE CURB STOP IS ESTIMATED FROM RECORD DRAWINGS AND SURFACE OBSERVATIONS. CONTRACTOR TO VERIFY EXACT UTILITY LOCATIONS IN FIELD (VIF) AS REQUIRED. NOTE THAT THIS EXISTING WATER SERVICE IS TO BE ABANDONED UPON ACTIVATION OF THE PROPOSED 4" SERVICE AFTER SUCCESSFUL COMPLETION OF PRESSURE TESTING AND DISINFECTION.

THIS WORK IS TO BE PERFORMED BY THE CONTRACTOR PER THE VILLAGE OF WARSAW'S WATER SPECIFICATIONS.

(B) PROPOSED 180 (\pm) LF OF 4" DIA. DIP WATER SERVICE TO BUILDING FROM 4X4 TEE CONNECTION AT MAIN. THE CONTRACTOR SHALL RESTORE THE EXCAVATION AREA, ROAD BASE, ROAD TOP, CONCRETE CURB, SIDEWALK AND TREELAWN AREA ALL PER VILLAGE OF WARSAW'S SPECIFICATIONS.

THE CONTRACTOR IS TO COORDIINATE ALL THIS WORK INCLUDING THE TEMPORARY SHUTDOWN OF THE 4" WATERMAIN WITH THE VILLAGE OF WARSAW'S WATER DEPARTMENT.

(C) EXISTING SHED, GRAVEL, AND SURPLUS SOIL FROM TRENCHING OF WATER SERVICE SHALL BE REMOVED AND TRANSPORTED BY THE CONTRACTOR TO A SITE LICENSED TO ACCEPT SUCH WASTES.

(D) TEMPORARY SILT FENCE BARRIER. TOPSOIL AND SEED DISTURBED LAWN AREAS AFTER ACHIEVING FINAL GRADES.

	SITE PLAN FOR WATER SERVICE REPLACEMENT						
VISIONS	TOWN C	TOWN OF WARSAW LIBRARY – 130 NORTH MAIN STREET					
RIPTION	VILLAGE	VILLAGE OF WARSAW, WYOMING COUNTY, NEW YORK STATE					
E WATER DEPT INPUT	- PROFESSIONAL ENGINEERING T171 VICTOR - PITTSFORD ROAD					CLIENTS: BERO ARCHITECTS 32 WINTHROP STREET ROCHESTER, NY 14607	
	VICTOR, NEW YORK 14564 TAX AC TEL. (585) 924–1860 EMAIL: PROENGINEER1@PRODIGY.NET 85					JNT NO. -1-20	
	DATE: MARCH 2025	ENGINEER: <i>S.A.H</i>	DRAWN BY: <i>S.A.H</i>	SCALE: 1'' = 10'	SHEET NO.:	DRAWING NO.: 250308SP1	

GENERAL & UTILITY NOTES

- 1. SAFE AND CONTINUOUS TRAFFIC AND INGRESS AND EGRESS FOR ADJACENT OWNER DRIVEWAYS, SERVICE AND PUBLIC ROADS SHALL BE MAINTAINED THROUGH THE PERIOD OF CONSTRUCTION.
- 2. ALL CONTRUCTION RELATED TO THIS PROJECT SHALL BE IN CONFORMANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- 3. THE CONTRACTOR SHALL OBTAIN ALL APPROPRIATE PERMITS BEFORE BEGINNING ANY CONSTRUCTION.
- 4. THE CONTRACTOR IS REQUIRED TO NOTIFY CENTRAL STAKEOUT, TELEPHONE NO. 1-800-962-7962 (811) FOR FIELD STAKEOUT OF UNDERGROUND UTILITIES BEFORE COMMENCING CONSTRUCTION.
- 5. THE PROPOSED WATER APPURTENANCES SHALL CONFORM TO THE LOCAL WATER AUTHORITY STANDARDS.
- 6. ALL WATER AND WASTEWATER APPURTANCES SHALL CONFORM TO NEW YORK STATE HEALTH DEPARTMENT STANDARDS.
- 7. THE CONTRACTOR SHALL PROVIDE FOR EROSION CONTROL BARRIERS DURING CONSTRUCTION AND FOR THE REMOVAL OF THE SAME AFTER GRADING AND SEEDING HAS BEEN ESTABLISHED.
- 8. THE CONTRACTOR SHALL BE REQUIRED TO CLEAN MUD AND DEBRIS FROM PUBLIC ROADS SERVICING THE CONSTRUCTION SITE DURING AND AFTER THE COMPLETION OF THE PROJECT.
- 9. THE CONTRACTOR SHALL NOTIFY AGENCES PRIOR TO ANY EXCAVATING AND REQUEST SUCH UTILITY TO STAKE OUT WATER, GAS, ELECTRIC, AND/OR BURIED TELEPHONE LINES OR CABLES.
- 10. THE CONTRACTOR SHALL USE DUE CAUTION IN PROTECTING PROPERTY MARKERS AND ALL ELEVATION SURVEY STAKES.
- RECORD MAPS AND ARE FOR GENERAL INFORMATION ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL PERTINENT UTILITIES BY FIELD INVESTIGATION. THE CONTRACTOR SHALL ALSO TAKE THE NECESSARY MEASURES TO PRESERVE AND PROTECT
- 12. ALL ELECTRICAL WORK SHALL BE PERFORMED IN CONFORMANCE WITH ALL

- MINIMUM SEPARATION BETWEEN WATERMAIN AND SEWER MAINS TO BE 18" VERTICALLY MEASURED FROM THE OUTSIDE OF THE PIPES AT THE 13. POINT OF CROSSING. MINIMUM HORIZONTAL SEPARATION BETWEEN WATERMAINS AND SEWER MAINS TO BE 10' (FEET) MEASURED FROM THE OUTSIDE OF THE PIPES. IF A CROSSING SHOULD OCCUR ONE FULL LENGTH OF THE SEWER SHALL BE CENTERED UNDER OR OVER THE WATERMAIN SO THAT BOTH THE JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. WHERE A WATERMAIN CROSSES UNDER A SEWER ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECT FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT SETTLING.
- ALL WATERMAINS AND SERVICES SHALL HAVE A MINIMUM OF 5' (FEET) OF COVER FROM THE TOP OF THE MAIN TO THE FINISHED GRADE. THE CONTRACTOR SHALL CHECK ALL CUT STAKES BEFORE TRENCHING TO 14. INSURE THAT ALL INSTALLED WATERMAINS WILL HAVE THE REQUIRED COVER.
- 15. THE CONTRACTOR SHALL COMPLY WITH THE NEW YORY STATE INDUSTRIAL CODE, RULE 23, SUBPART 23-4 "EXCAVATION OPERATIONS" AND ALL APPLICABLE O.S.H.A. REQUIREMENTS SO AS TO PROVIDE SAFE EXCAVATION PROCEDURES.
- 16. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TEMPORARILY SUPPORT AND MAINTAIN OTHER UTILITIES AS REQUIRED.
- 17. ALL TRAFFIC MAINTENANCE INCLUDING SIGNS, BARRICADES, LIGHTS AND OTHER TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- PROPOSED SLOPES SHALL NOT EXCEED 1 ON 3 EXCEPT WHERE NOTED. 18. THE CONTRACTOR SHALL READ AND BECOME COMPLETELY FAMILIAR WITH 19. THE APPROVED DESIGN PLANS. SHOULD THE CONTRACTOR HAVE ANY QUESTIONS

COMMENCING CONSTRUCTION.

- 11. THE ACCURACY OF EXISTING UTILITIES ARE NOT GUARANTEED. EXISTING UTILITIES SHOWN ON THE PLANS ARE A RESULT OF THE BEST INFORMATION THAT COULD BE OBTAINED FROM FIELD SURVEYS AND PROTECT EXISTING UTILIITES.
- NEC AND UL ELECTRICAL CODES



NOTE: IN THE PRESENCE OF A WATER AUTHORITY REPRESENTATIVE REMOVE ALL CORPORATIONS ASSOCIATED WITH TEMPORARY DISINFECTION/SAMPLE TAPS AND REPLACE WITH THREADED BRASS PLUGS.

DISINFECTION/BLOW-OFF/SAMPLING TAP (TEMPORARY) NOT TO SCALE



TYPICAL WATER SERVICE TRENCH DETAIL

N.T.S.



<u>NOTES:</u>

1. VALVE BOX SHALL BE CENTERED ON VALVE AND SET ON COMPACTED BACKFILL.

2. VALVE SHALL NOT SUPPORT VALVE BOX.

3. ALL VALVES SHALL BE OPEN LEFT

VALVE NOT TO SCALE



CONCERNING THE PROJECT DESIGN, CONTACT THE DESIGN ENGINEER PRIOR TO

PERMANENT SEEDING

1. REPLACE TOPSOIL TO A MINIMUM DEPTH OF 6 INCHES.

2. SEED 20 POUNDS OF PERENNIAL RYEGRASS PER ACRE AND 80 POUNDS PER ACRE OF KENTUCKY BLUEGRASS OR EQUIVALENT.

- 3. FERTILIZE WITH 600 POUNDS PER ACRE OF 10-10-10. LIME TO ACHIEVE A PH OF 6.0. IF HYDROSEEDER IS NOT USED, SEED AND FERTILIZER SHOULD BE LIGHTLY RAKED INTO SOIL.
- 4. MULCH WITH CLEAN (WEED FREE) STRAW.



WATER SERVICE LINE NOTES

- WATER SERVICE LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATIONS AND SPECIFICATIONS OF THE LOCAL WATER AUTHORITY.
- 2. WATER SERVICE LINES SHALL HAVE A MINIMUM OF FIVE FEET OF COVER FROM FINISHED GRADE IN LAWN AREAS AND SIX FEET OF COVER FROM FINISHED GRADE IN PAVED AREAS.
- WATER SERVICE LINES SHALL BE SEPARATED AT LEAST TEN FEET, MEASURED FROM THE OUTSIDE OF THE PIPES, FROM SEWER MAINS OR SEPTIC SYSTEMS. 3. 4. WATER SERVICE LINES SHALL BE IDENTIFIED AS:

DESCRIPTION	SIZE	MATERIAL (A)	TYPE (B)
MUNICIPAL PORTION=FROM THE WATERMAIN TO AND INCLUDING THE CONTROL VALVE ON THE ROW/PROPERTY/EASEMENT LINE	4" DIA.	D.I.P.	DS
PRIVATE PORTION = FROM THE CONTROL VALVE TO THE METER	4" DIA.	D.I.P.	DS

(A) ACCEPTABLE MATERIAL FOR PRIVATE PORTION IS CLASS 52 CEMENT MORTAR LINED DUCTILE IRON PIPE. (B) SERVICE TYPES INCLUDE: DOMESTIC=DS, FIRE =FS, OR COMBINED=CMB

- THE MUNICIPAL PORTION OF THE WATER SERVICE SHALL BE INSTALLED PRIOR TO THE PRIVATE 5. PORTION OF THE SERVICE LINE.
- 6. WATER SERVICE LINES SIZED 4" OR LARGER SHALL BE:

PRESSURE TESTED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE LOCAL WATER AUTHORITY. THE LOCAL WATER AUTHORITY MUST WITNESS THIS TEST.

DISINFECTED BY USING THE CONTINUOUS FEED METHOD ACCORDING TO THE LATEST AWWA STANDARD SPECIFICATIONS, AFTER FLUSHING AND DISINFECTING THE SERVICE LINE, WATER SAMPLES SHALL BE COLLECTED IN ACCORDANCE WITH THE LOCAL HEALTH DEPARTMENT'S REQUIREMENTS. APPROVAL AND NOTIFICATION BY THE HEALTH DEPARTMENT MUST BE RECEIVED BEFORE THE WATER SERVICE CAN BE ACTIVATED BY THE LOCAL WATER AUTHORITY.







	DETAIL SHEET					
VISIONS	TOWN OF WARSAW LIBRARY – 130 NORTH MAIN STREET					
RIPTION	VILLAGE	OF WARS	AW, WYOMI	ING COUNTY, I	VEW YORK	K STATE
GE WATER DEPT INPUT	PROFESSIONAL CL ENGINEERING 32 7171 VICTOR - PITTSEORD ROAD CL				CLIENTS: BERO ARCHITECTS 32 WINTHROP STREET ROCHESTER, NY 14607	
	VICTOR, NEW YORK 14564 TAX ACCOUNT NO TEL. (585) 924–1860 EMAIL: PROENGINEER1@PRODIGY.NET 85.8–1–20					JNT NO. -1-20
	DATE: <i>MARCH 2025</i>	ENGINEER: <i>S.A.H</i>	DRAWN BY: <i>S.A.H</i>	SCALE: AS SHOWN	SHEET NO.: C-2	DRAWING NO.: 250308DT1

GENERAL CONDITIONS

1.) THE INFORMATION SHOWN ON THESE DOCUMENTS IS THE BEST REPRESENTATION OF EXISTING CONDITIONS AVAILABLE TO THE ENGINEER. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THOSE FEATURES WHICH WILL AFFECT THE BID PRICE AND MAKE ALLOWANCES FOR THEM IN THEIR BID.

2.) EXISTING CONDITIONS: VERIFY DIMENSIONS, ELEVATIONS, AND MEMBER SIZES AS SHOWN ON THESE DRAWINGS AND NOTIFY THE A/E OF DISCREPANCIES PRIOR TO COMMENCING WORK.

3.) DIMENSIONS, ELEVATIONS, AND MEMBER SIZES SHOWN ARE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL ACCURATELY DETERMINE DIMENSIONS, ELEVATIONS, AND MEMBER SIZES OF EXISTING CONSTRUCTION.

4.) EXISTING CONSTRUCTION ADJACENT TO NEW WORK SHALL BE ADEQUATELY SUPPORTED DURING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR NEW OR EXISTING CONSTRUCTION DAMAGED WHILE WORK IS IN PROGRESS.

5.) THE DRAWINGS REPRESENT THE FINISHED STRUCTURE AS A COMPLETE UNIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, AND SEQUENCES OF DEMOLITION AND CONSTRUCTION PHASES INCLUDING TEMPORARY SHORING AND BRACING. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND STANDARDS THAT PERTAIN TO MEANS, METHODS, AND SEQUENCES OF CONSTRUCTION.

6.) CONTRACT DRAWINGS AND SPECIFICATIONS: COORDINATE STRUCTURAL DRAWINGS WITH ALL OTHER DRAWINGS AND SPECIFICATIONS. INCORPORATE COORDINATION REQUIREMENTS INTO CONTRACTOR'S WORK.

7.) DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO THOSE SHOWN FOR THE MOST NEARLY SIMILAR CONDITION AS DETERMINED BY THE ARCHITECT OR ENGINEER.

8.) WHERE DEMOLITION OR OTHER MODIFICATIONS TO THE EXISTING STRUCTURE ARE REQUIRED: THE CÚTTING, DRILLING, AND REMOVAL SHALL OCCUR IN A MANNER WHICH WILL PREVENT DAMAGE TO ADJOINING CONSTRUCTION TO REMAIN. UNLESS OTHERWISE INDICATED, PROVIDE NEW MATERIALS TO MATCH THE APPEARANCE AND PERFORMANCE OF EXISTING CORRESPONDING MATERIALS WHERE DEMOLITION OCCURS.

9.) SHOP DRAWINGS PREPARED BY SUPPLIERS AND SUBCONTRACTORS SHALL BE REVIEWED AND SIGNED AND STAMPED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE ARCHITECT AND ENGINEER. REPRODUCTIONS OF THE STRUCTURAL DRAWINGS SHALL NOT BE USED FOR THE PREPARATION OF SHOP DRAWINGS. MANUFACTURED COMPONENTS SHALL BE SIGNED AND STAMPED BY A LICENSED PROFESSIONAL ENGINEER PRIOR TO SUBMISSION.

STRUCTURAL LOADS AND CRITERIA

- DESIGN AND CONSTRUCTION: NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE (UNIFORM CODE) ACCORDING TO THE 2020 BUILDING CODE OF NEW YORK STATE (BCNYS).
- A. RISK CATEGORY II
- 2. LIVE LOADS: NEW ELEVATED FLOORS = 150 PSF (STACK ROOM)
- DEAD LOADS:
- WEIGHT OF CONSTRUCTION MATERIALS PLUS FLOOR = 8PSF COLLATERAL (MEP)
- DESIGN GUARDRAILS AND HANDRAILS AND INCORPORATE INTO STEEL SHOP DRAWINGS AS FOLLOWS: (LIVE LOADS SHOWN ARE IN ADDITION TO DEAD LOAD) A. HANDRAIL ASSEMBLIES: LOAD PRODUCING GREATEST STRESS OF 200 LB OR 50 PLF. APPLIED IN
- ANY DIRECTION AT ANY POINT ON THE ASSEMBLY. B. MEET BCNYS REQUIREMENTS FOR DETAILS AND DIMENSIONS NOT SPECIFICALLY INDICATED. COORDINATE FINAL DESIGN WITH ARCHITECTURAL DRAWINGS AND PROJECT SPECIFICATIONS.
- MEMBER SIZES SHOWN ON DRAWINGS ARE MINIMUM.
- FRAMING DETAILS SHOWN ARE SCHEMATIC. CONTRACTOR TO PROVIDE ADEQUATE SUPPLEMENTAL FRAMING AS NEEDED TO SUPPORT STAIR AND RAILING COMPONENTS.

MASONRY NOTES

- 1.) CONCRETE MASONRY DESIGN AND CONSTRUCTION SHALL CONFORM TO ACI 530 AND 530.1.
- 2.) CONCRETE MASONRY UNITS: ASTM C-90. UNIT COMPRESSIVE STRENGTH = 2800 PSI.
- 3.) CMU MORTAR: ASTM C270 TYPE M OR S.
- 4.) HORIZONTAL JOINT REINFORCING: ASTM A82, 9 GA, GALVANIZED LADDER-TYPE, 16" O/C UNO. 5.) BLOCK CORE GROUT FILL: ASTM C476, 3,000 PSI MINIMUM 28 DAY COMPRESSIVE STRENGTH.
- PLACE IN LIFTS NOT EXCEEDING 7 COURSES IN HEIGHT UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 6.) PROVIDE FULL HEAD AND BED JOINTS.
- 7.) MASONRY WALLS, PARTITIONS, AND OPENINGS: COORDINATE WITH ARCHITECTURAL DRAWINGS.
- 8.) LAP SPLICES IN VERTICAL REINFORCING: 48 BAR DIAMETERS MINIMUM, UNO.

9.) STRUCTURAL STEEL LINTELS: 8" MINIMUM BEARING AT EACH END, HOT DIP GALVANIZE EXTERIOR WALL LINTELS.

10.) MASONRY COURSING INDICATED ON THE STRUCTURAL DRAWINGS IS APPROXIMATE. REFER TO ARCHITECTURAL DRAWINGS FOR ACTUAL COURSING LAYOUT. CUT UNITS AS REQUIRED TO ACHIEVE ELEVATIONS, BEARING ELEVATIONS, AND OPENINGS INDICATED.

11.) SECURE REINFORCING STEEL IN PLACE PRIOR TO PLACING GROUT. DO NOT WET-SET REINFORCING.

12.) ADHESIVE ANCHORS: LOCATE AWAY FROM REBAR. a. GROUTED CMU = HILTI HY200 OR POWERS AC100+ OR SIMPSON SET b. HOLLOW CMU = HILTI HY70 OR POWERS AC100+ OR SIMPSON ACRYLIC-TIE

13.) SHOP DRAWINGS: SUBMIT FOR REINFORCING STEEL, GROUT AND MORTAR MIX DESIGNS, AND CMU PRODUCT DATA TO THE ARCHITECT FOR REVIEW BEFORE CONSTRUCTION.

STEEL NOTES

- STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
- 2. STRUCTURAL STEEL GRADES (UNLESS NOTED OTHERWISE): A. W-SECTIONS: ASTM A572 (ASTM A992), Fy = 50KSI B. ANGLES, PLATES & CHANNELS: ASTM A36, Fy = 36ksi C. HOLLOW STRUCTURAL SECTIONS (HSS): ASTM A500 GRADE B/C
- D. BOLTS: ASTM A325N E. SHEAR CONNECTORS: ASTM A108
- F. WELDS: E70xx

 - 4. STRUCTURAL STEEL FINISH: AS INDICATED BELOW. COORDINATE WITH THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS, APPLY COATINGS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, INCLUDING SURFACE PREPARATIONS. AFTER ERECTION TOUCH UP AREAS WHERE PAINT OR GALVANIZING IS MISSING OR DAMAGED INCLUDING FIELD WELDS. VERIFY COMPATIBILITY BETWEEN ALL LAYERS OF COATINGS. COLORS SELECTED BY ARCHITECT. A. HOT-DIP GALVANIZE: LINTELS IN EXTERIOR WALLS. B. ALL OTHER STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH A MODIFIED ALKYD RUST
 - 5. SHOP DRAWINGS: SUBMIT FOR REVIEW PRIOR TO FABRICATION

STEEL DECK

CONCRETE NOTES

- 1.) CONCRETE DESIGN AND CONSTRUCTION: ACI 318, ACI 301, AND PROJECT SPECIFICATIONS. 2.) MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS:
- INTERIOR SLABS ON GRADE: 3,000 PSI, 1 1/2" MAX COURSE AGGREGATE, MAX. W/C RATIO = 0.54 ELEVATED SLABS: 3,500 PSI, AIR ENTRAINMENT 6%, NORMAL WEIGHT
- 4.) REINFORCING STEEL: ASTM A615, GRADE 60
- WELDED REINFORCING BARS: ASTM A706 AND AWS D1.4 WELDED WIRE FABRIC: ASTM A185, SUPPLIED IN SHEETS
- 5.) REINFORCING BAR FABRICATION: ACI 318 FOR HOOKS AND BENDS UNO.
- 6.) SECURE REINFORCEMENT: PROVIDE ACCESSORIES, CHAIRS, SPACERS, AND SUPPORTS 7.) LAP SPLICES: ACI-318 CLASS "B" TENSION LAP UNO.
- 8.) CONCRETE TESTING:
- B.) OBTAIN: SLUMP (ASTM C 143), AIR CONTENT (ASTM C 231), TEMPERATURE (ASTM C 1064), AND UNIT WEIGHT (ASTM C 567) FOR EACH COMPOSITE SAMPLE.
- C.) CAST AND FIELD CURE (1) SET OF (6) STANDARD CYLINDER COMPRESSION TEST SPECIMENS FOR EACH COMPOSITE SAMPLE (ASTM C 31). TEST (2) AT 7 DAYS, (2) AT 28 DAYS, AND HOLD (2) FOR 56 DAYS AS REQUIRED.
- D.) CAST AND LABORATORY CURE (2) SET OF (6) STANDARD CYLINDER COMPRESSION TEST SPECIMENS FOR EACH COMPOSITE SAMPLE (ASTM C 31). TEST (2) AT 7 DAYS, (2) AT 28 DAYS AND HOLD (2) FOR 56 DAYS AS REQUIRED.

MIX DESIGNS.

1. STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) AISC 360 - SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AND AISC 303 - CODE OF

3. WELDING: AWS D1.1. ALL-AROUND FILLET WELDS FOR STEEL CONNECTIONS NOT INDICATED.

- INHIBITIVE PRIMER, 2.5 TO 3.5 MILS DFT (BASIS OF DESIGN IS TNEMEC SERIES 10).
- 1.) STEEL DECK SHALL CONFORM TO THE STEEL DECK INSTITUTE'S CODE OF STANDARD PRACTICE, SDI-C1.0 STANDARD FOR COMPOSITE STEEL FLOOR DECK, AND SDI-NC1.0 STANDARD FOR NON-COMPOSITE STEEL FLOOR DECK.
- 2.) COMPOSITE STEEL DECK: FASTEN TO SUPPORTS ACCORDING TO SDI RECOMMENDATIONS. COMPOSITE STEEL DECK SHALL HAVE A GALVANIZED FINISH (G-60).
- 3.) SUBMIT SHOP DRAWINGS FOR STEEL DECK FOR REVIEW PRIOR TO CONSTRUCTION.
- 3.) LEVELING GROUT: NON-SHRINK, ASTM C1107, 5,000 PSI MINIMUM 2-DAY COMPRESSIVE STRENGTH.
- A.) (1) ONE COMPOSITE SAMPLE FOR SLAB-ON-DECK CONSTRUCTION
- 9.) ELEVATED SLABS: ADJUST CONCRETE QUANTITIES TO MAINTAIN A LEVEL SLAB SURFACE AT THE REQUIRED ELEVATIONS TO ACCOMMODATE SUPPORT DEFLECTIONS.
- 10.) ADHESIVE ANCHORS: LOCATE AWAY FROM REBAR. HILTI RE500; POWERS PE1000+; SIMPSON SET. 11.) SHOP DRAWINGS: SUBMIT PRIOR TO CONSTRUCTION FOR REINFORCING STEEL AND CONCRETE

STRUCTURAL SPECIAL INSPECTIONS

THE FOLLOWING TABLE COMPRISES THE STRUCTURAL SPECIAL INSPECTION REQUIREMENTS FOR THIS PROJECT IN ACCORDANCE WITH THE NEW YORK STATE UNIFORM CODE AND THE 2020 BCNYS, CHAPTER 17. REFER TO PROJECT SPECIFICATIONS FOR REQUIRED QUALIFICATIONS OF PERSONNEL PERFORMING SPECIAL INSPECTION ACTIVITIES AND FOR ADDITIONAL INFORMATION AND REQUIREMENTS. SPECIAL INSPECTION NOTES

- 1. SPECIAL INSPECTIONS ARE REQUIRED FOR THIS PROJECT. 2. COORDINATE WORK WITH OWNER'S TESTING AND SPECIAL INSPECTION REPRESENTATIVE.
- 3. PREFABRICATED ITEMS SHALL BE MANUFACTURED BY APPROVED AND CERTIFIED SHOPS. 4. REFERENCE BCNYS CHAPTER 17 FOR DEFINITION OF "CONTINUOUS" AND "PERIODIC".
- 5. REFERENCE AISC 360 CHAPTER N FOR DEFINITION OF "PERFORM" AND "OBSERVE".
- 6. REFERENCE ACI 530 FOR DEFINITION OF "CONTINUOUS" AND "PERIODIC". 7. REFERENCE SDI QA/QC FOR DEFINITION OF "PERFORM AND "OBSERVE"

CAST-IN-PLACE CONCRETE

1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT	PERIODIC	ACI 318: CH. 20, 20.5 25.3, 26.6.1-26.6.3	1908.4
2. VERIFY REQUIRED CONCRETE MIX IS USED AT EACH LOCATION.	PERIODIC	ACI 318: CH. 19 26.4.3, 26.12	1904.1, 1904.2 1908.2, 1908.3
 PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. 	CONTINUOUS	ASTM C172, C31 ACI 318: 26.4, 26.12	1908.10
4. INSPECT CONCRETE FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	ACI 318:26.5	1908.6, 1908.7, 1908.8
STEEL CONSTRUCTION (REFERENCE AISC 360 CHAPTER	N)		
 INSPECTION TASKS PRIOR TO WELDING: A. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE. B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE. C. MATERIAL IDENTIFICATION (TYPE/GRADE) D. WELDER IDENTIFICATION SYSTEM E. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) F. CONFIGURATION AND FINISH OF ACCESS HOLES G. FIT-UP OF FILLET WELDS INSPECTION TASKS DURING WELDING: A. USE OF QUALIFIED WELDERS B. CONTROL AND HANDLING OF WELDING CONSUMABLES C. NO WELDING OVER CRACKED TACK WELDS D. ENVIRONMENTAL CONDITIONS E. WPS FOLLOWED F. WELDING TECHNIQUES 	PERFORM PERFORM OBSERVE OBSERVE OBSERVE OBSERVE OBSERVE OBSERVE OBSERVE OBSERVE OBSERVE OBSERVE		
 3. INSPECTION TASKS AFTER WELDING: A. WELDS CLEANED B. SIZE, LENGTH AND LOCATION OF WELDS C. WELDS MEET VISUAL ACCEPTANCE CRITERIA D. ARC STRIKES E. K-AREA F. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED) G. REPAIR ACTIVITIES H. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT / MEMBER 3.1 NONDESTRUCTIVE TESTING OF WELDED JOINTS: AISC 360 STRUCTURAL STEEL SPECIFICATION CHAPTER N, 5.5 	OBSERVE PERFORM PERFORM PERFORM PERFORM PERFORM PERFORM AWS D1.1		
 INSPECTION TASKS PRIOR TO BOLTING: MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS. PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS 	PERFORM OBSERVE OBSERVE OBSERVE OBSERVE OBSERVE	AISC 360 CHAPTER N	1705.2
 INSPECTION TASKS DURING BOLTING: A. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED. B. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION C. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING D. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES 6. INSPECTION TASKS AFTER BOLTING: 	OBSERVE OBSERVE OBSERVE OBSERVE		
 A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS 7. INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT A. PLACEMENT AND INSTALLATION OF STEEL DECK B. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS C. DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS 	PERFORM PERFORM PERFORM PERFORM		

P	OST INSTALLED ANCHORS IN MASONRY AND CONCRE	TE		
1. 2. 3. 4. 5.	ANCHOR SIZE AND EMBEDMENT AND HOLE CLEANING (ALL) HOLE CLEANING AND PREPARATION (ADHESIVE) OVERHEAD APPLICATIONS (ALL) HORIZONTAL ANCHORS SUPPORTING SUSTAINED TENSION (ADHESIVE) ADDITIONAL INSPECTION PER MANUFACTURER'S ESR REPORT	PERIODIC CONTINUOUS CONTINUOUS CONTINUOUS CONTINUOUS	MANUFACTURER'S INSTALLATION INSTRUCTIONS	ACI318 AND ESR REPORT
s	TEEL DECK INSTALLATION			
1.	INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT A. VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	PERFORM		
	B. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	PERFORM		
2.	INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT A. VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES	PERFORM		
	 B. VERIFY DECK MATERIALS ARE REPRESENTED BY MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS 	PERFORM		
	C. DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES	PERFORM		
3.	INSPECTION OR EXECUTION TASKS PRIOR TO WELDING A. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE B. MANUFACTURER CERTIFICATION FOR WELDING CONSUMABLES AVAILABLE	OBSERVE OBSERVE		
1	C. MATERIAL IDENTIFICATION (TYPE/GRADE) D. CHECK WELDING EQUIPMENT INSPECTION OF EXECUTION TASKS DURING WELDING	OBSERVE OBSERVE	SDI QA/QC	
5	A. USE OF QUALIFIED WELDERS B. CONTROL AND HANDLING OF WELDING CONSUMABLES C. ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMP) D. WPS FOLLOWED INSPECTION TASKS AFTER WELDING	OBSERVE OBSERVE OBSERVE OBSERVE	QUALITY CONTROL AND QUALITY ASSURANCE FOR INSTALLATION OF STEEL DECK	1705.2.2
5.	A. VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	PERFORM		
6	 B. WELDS MEET VISUAL ACCEPTANCE CRITERIA C. VERIFY REPAIR ACTIVITIES D. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS INSPECTION OF EXECUTION TASKS PRIOR TO MECHANICAL EASTENING 	PERFORM PERFORM PERFORM		
0.	A. MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	OBSERVE		
7	B. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION C. PROPER STORAGE FOR MECHANICAL FASTENERS	OBSERVE OBSERVE		
1.	 A. FASTENERS ARE POSITIONED AS REQUIRED B. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS 	OBSERVE OBSERVE		
8.	INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING A. CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS B. CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS C. CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER	PERFORM PERFORM PERFORM		
	 D. VERIFY REPAIR ACTIVITIES E. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS 	PERFORM PERFORM		





LEGEND

(+/- x'-xx") - DENOTES TOP OF STEEL ELEVATION WITH RESPECT TO DATUM ELEVATION

NOTES

- 1. DATUM ELEVATION = LOWER LEVEL FFE = 0'-0"
- 2. TOP OF STEEL = +10'-0 1/2" (VIF) 3. MAIN LEVEL TOP OF SLAB = +10'-4" (VIF)
- 4. C3 = 3 1/2" TOTAL THICKNESS NORMAL WEIGHT CONCRETE SLAB ON 1 1/2", 20 GA, COMPOSITE METAL DECK - VULCRAFT 1.5VL BASIS OF DESIGN. REINFORCE WITH 6"X6"-W1.4xW1.4 WWF OR 4 LBS/CY FORTA-FERRO (FORTA) MACRO-FIBER REINFORCING. 5. SECTIONS INDICATED ARE TYPICAL FOR SIMILAR CONDITIONS.
- 6. BEAMS ARE EQUALLY SPACED UNLESS NOTED OTHERWISE.
- 7. COORDINATE FLOOR OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. OPENINGS NOT INDICATED ON PLANS SHALL CONFORM TO TYPICAL DETAIL REQUIREMENTS. 8. PROVIDE A MINIMUM 1/4" ANGLE OR BENT PLATE AT SLAB PERIMETERS UNO.
- COORDINATE ANGLE OR PLATE OVERHANG DIMENSIONS WITH ARCHITECTURAL DRAWINGS. 9. SPLICE BEAMS AS REQUIRED FOR INSTALL. SEE S500 FOR TYPICAL DETAIL
- 10. L-1: DENOTES NEW (2) L3 1/2X3 1/2X5/16 GALV. EXTERIOR WALL LINTEL (SEE ARCH)







DEMOLITION LEGEND:

 To be removed
 To remain

Remove ceiling/floor construction (Alternate No. 1)

GENERAL DEMOLITION NOTES:

- 1. Protect portions of building not scheduled for removal.
- 2. Remove carpet and rubber base, full extent of building.
- 3. Remove metal pipe rail at all, interior existing openings.
- 4. Elevator to be protected during construction.
- 5. Refer to MEP drawings for associated removals.

DEMOLITION	I NOTES:
1	Remove frame wall construction and window. Plumbing and Electrical Contract responsible for relocating power and plumbing in new walls.
2	Remove wall construction to finish floor level.
3	Salvage door and hardware for reinstallation. Store during construction.
4	Remove bifold door.
5	Remove cabinetry, sink, and remaining equipment.
6	Remove rubber stair treads and mastic to expose steal tread.
7	Asbestos containing flooring to be encapsulated.
8	Remove circulation desk casework.
9	Remove guardrail paneling full extent of low guardrail to expose origina guardrail, contact Architect for inspection of existing conditions. Origina is expected behind paneling.
10	Prep walls for paint, full extent of Rotunda and entry stair and Study Roo 010.
(11)	Protect exg entrance mat system with pwd during construction.
12	Remove portion of exg window at floor level to provide new opening. Refer to 1/A-41 for extent of removals.
(13)	Remove desk and casework below stair.
14	Removal of fans and lighting responsibility of Electrical Contract.
(15)	Provide openings for wood windows at existing masonry wall.
(16)	Remove acoustic tile ceiling.

DEMOLITION NOTES - ALTERNATE NO. 1:

(17)

(18)

(19)

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2∩ີ	Pomovo wood floor and cloopers for inspection of existing constate floor
20	Kentove wood noor and sleepers for inspection of existing concrete noo

Remove wallpaper, prep walls for paint finish. CG to provide openings as req'd to install ducts (Alternate No. 4) , coord w/ Mechanical Contractor.

- (21) Remove conc floor, Allowance No. 1, and excavate as req'd for new slab.
- 22 Remove wall paneling.
- (23) Remove acoustical tile ceiling and grid.

Remove fire rated door and frame.

Remove vertical wood wall trim.

24 Remove wood ceiling lathe and any remaining plaster.





JENSEN): Ì = ┤ ╏· 1653 East Main Street Rochester, NY 14609 MEP/FP ENGINEER: CWC CW Engineering 315 Rockingham Street Rochester, NY 14620 WARNING: DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS, INCLUDING THOSE IN ELECTRONIC FORM, PREPARED BY BERO ARCHITECTURE PLLC ARE INSTRUMENTS OF SERVICE FOR USE SOLELY WITH RESPECT TO THE PROJECT FOR WHICH THEY WERE RESPECT TO THE LEGISLOCT STATE CREATED. THE ARCHITECT RETAINS ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT. FOR ARCHITECTURAL DRAWINGS AND ELECTRONIC MEDIA, IT IS A VIOLATION OF TITLE VII, PART 69.5(B) OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT TO ALTER THIS DRAWING. IF ALTERED, SUCH ARCHITECT SHALL AFFIX THEIR SEAL, SIGNATURE, THE DATE, THE NOTATION "ALTERED BY", AND THE SPECIFIC DESCRIPTION OF THE ALTERATION. WHERE DRAWINGS, ON PAPER OR ELECTRONIC MEDIA, SHOW EXISTING, NEW, AND/OR PROPOSED WORK AND CONDITIONS, IT IS UNDERSTOOD THAT IT IS SO SHOWN AS A MATTER OF INFORMATION AND THAT THE OWNER AND ARCHITECT, WHILE BELIEVING SUCH INFORMATION TO BE SUBSTANTIALLY CORRECT, ASSUME NO RESPONSIBILITY THEREFORE. THE USER SHALL MAKE THEMSELVES FAMILIAR WITH ALL CONDITIONS AFECTING THE NATIVER AND MANNER CONDITIONS AFFECTING THE NATURE AND MANNER OF THEIR WORK INCLUDING VERIFICATION OF ALL DIMENSIONS LOCATING EXISTING, PROPOSED, AND/OR NEW WORK AND CONDITIONS. Description CLIENT / OWNER: Town of Warsaw 83 Center Street Warsaw, NY 14569 PROJECT INFORMATION: Expansion and Renovation Warsaw Public Library 130 North Main Street, Warsaw, New Yorl PROJECT NUMBER: 22121 February 25, 2025 LN Lower Level Floor Plan & Reflected Ceiling Plan SHEET NUMBER:















DOORS								FRAM							
DOOR NO.	OR SIZE		MAT.	TYPE	FINISH	GLASS	RATING	MAT.	TYPE	FINISH	FRAME ANCHORAGE	WALL THK	HARD WARE	REMARKS/NOTES	
001A	3'-0"	н 7'-0"	1-3/4'	hm	1	pnt	GL-1		hm		pnt	4/A-60	5 3/8"	SET A	
001B	3'-0"	7'-0"	1-3/4'	hm	1	pnt	GL-1	3/4 hr	hm		pnt	4/A-60	4 7/8"	SET A	
001C	3'-0"	7'-0"	1-3/4'	hm	2	pnt			hm		pnt	4/A-60	5 3/8"	SET B	
001D	3'-0"	7'-0"	1-3/4'	hm	Existing to remain					Existing to remain					
003	3'-2"	7'-0"	1-3/4'	hm	2	pnt		3/4 hr	hm		pnt	4/A-60	9"	SET B	
004	3'-0"	7'-0"	1-3/4'	hm	2	pnt	-		hm		pnt	4/A-60	4 7/8"	SET C	
008	2'-8"	7'-0"	1-3/4'	wd	Existing to remain					Existing to remain					
010	2'-8"	7'-0"	1-3/4'	wd	3	pnt	GL-1		wd		pnt	5/A-60	5″	SET C	Undercut 1"
011	3'-0"	7'-0"	1-3/4'	wd	Existing to remain					Existing to remain					
013	3'-0"	7'-0"	1-3/4'	hm	Existing to remain						———— Exi	sting to remain			
102	3'-0"	7'-0"	1-3/4'	wd	Relocated Existing			wd		pnt	5/A-60	4 7/8"	SET C	Reinstall salvaged door	
104	3'-0"	7'-0"	1-3/4'	wd	4	stn	GL-1		wd		pnt	6/A-60	4 7/8"	SET C	

Protect exg doors, scheduled to remain, during construction

	WINDOW SCHEDULE												
MARK	MAT	SIZE W H SILL		OPERATION	GLASS/ PANEL	FRAME ANCHORAGE	REMARKS						
A	wd/alum	2'-8" 2'-4" ±5'-7"		fixed		3/A-50							
В	wd	Existing			fixed	GL-1		Glaze exg, historic windows					
С	wd	2'-8"	4'-2"	2'-10"	fixed	GL-1	6/A-60						





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1

1.1

1



—Radius edge

½" resilient channels (25 ga.) @ 24" oc horiz > 5/8" type 'X' gpdw Sound attenuation ea side batt insulation — 6" mtl studs @ 16" oc - 3-5/8" mtl studs @ 16″ oc 5/8" gpdw, ea side Sound attenuation batt insulation XX 2 Provide 5/8" Type 'X' gpdw UL Design # U419 1 hr fire-rated door, nonbearing 2.1 Omit (1) side of gpdw 2.2 Omit 3-5/8" mtl studs @ 16" oc, Omit sound attenuation batt insulation, Add 6" (600S162-54) mtl studs @ 16"oc Wall Types SCALE: 3/4" = 1'-0"

General Note: - Provide deflection track at all partitions built to underside of new or existing slab - Provide solid 2x blocking for wall mounted handrails Picture Windows (Wd Clad) Vindow Types 2 Not to Scale $\overset{4\frac{1}{4}''}{\checkmark}$

3

2'-8", vif



– Exg mas wall — 5/8″ gpdw

— 3-5/8" mtl studs @ 16″ oc – R-19 batt insul





— Exg plaster wall

— Exg const

5 Alternate No. 1

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		STAMP:								
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PRC	DJECT INFO Expan War	DRMATION: sion and Renovation saw Public Library								
130 PPC	130 North Main Street, Warsaw, New Yor									
ISSU	February 25, 202									
DRAWN BY: LM SHEET TITLE:										
Schedules & Details										

SHEET NUMBER:

A-60



2. WHERE FIXTURES ARE SHOWN TO BE REMOVED COORDINATE TERMINATIONS OF EXISTING PIPING WITH NEW WORK. REMOVE BRANCH PIPING TO THE MAINS AND

TO COMPLY WITH ICC A117.1 STANDARDS. ACCESSIBLE SINKS - INSULATE OR

2. PROVIDE ALL PIPING INCLUDING CONNECTIONS TO EQUIPMENT AND FIXTURES.

5. PROVIDE COMPLETE SYSTEM IN ACCORDANCE WITH STATE AND LOCAL CODES.

6. PROVIDE FIRE-STOPPING AT PIPE PENETRATION OF THE BOILER ROOM WALLS.









REMOVALS

REMOVE THE EXISTING SPRINKLER SYSTEM.

INCLUDES: CONNECTION TO THE EXISTING WATER SERVICE

RISER AND ALARM VALVE SPRINKLERS AND PIPING (EXISTING SYSTEM WAS INTENDED TO PROTECT THE OPENINGS BETWEEN THE EXISTING BUILDING AND THE 1988 ADDITION.)

TEST CONNECTION

FIRE PROTECTION SPRINKLER

THE NEW SPRINKLER SYSTEM IS FOR THE ADDITION (ADDED FLOOR AREA) INCLUDING THE FLOOR AND EXITS. THE EXISTING FLOOR AREA UNDER THE ADDITION WILL ALSO BE SPRINKLERED.

BID DRAWINGS ARE INTENDED TO SHOW THE GENERAL SCOPE OF WORK AND ANY SPECIFIC AESTHETIC REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE A COMPLETE WORKING SYSTEM. THE CONTRACTOR SHALL BASE PIPE SIZES ON THE CONTRACTOR HYDRAULIC CALCULATIONS. THE CONTRACTOR SHALL BASE SPRINKLER LAYOUT ON THE ARCHITECTURAL AND STRUCTURAL BUILDING PLANS AND DETAILS. PROVIDE COMPLETE SYSTEMS PER NFPA 13 AND AS REQUIRED BY THE BUILDING CODE OF NEW YORK STATE.

SIZE THE PIPING AND SPRINKLERS AS REQUIRED BY THE AVAILABLE WATER PRESSURE AND FLOW.

LIGHT HAZARD (ANY BOOK SHELVES </= 8FT, > 30" APART)

CONTRACTOR SHALL PREPARE SHOP DRAWINGS. DRAWINGS TO MEET NFPA 13 DEFINITION OF WORKING DRAWINGS FOR SUBMISSION TO THE AHJ.

THE CONTRACTOR SHALL PROVIDE ALL INFORMATION FOR THE PERMIT. CERTIFICATION (PE STAMP OR OTHERWISE) OF THE SHOP DRAWINGS AS REQUIRED BY THE AHJ SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

- 1. PROVIDE COMPLETE HYDRAULICLY DESIGNED SYSTEM INCLUDING ALL ACCESSORIES REQUIRED BY NFPA 13.
- 2. COORDINATE WITH OTHER TRADES. PROVIDE PIPING AND SPRINKLERS TO AVOID BUILDING COMPONENTS. PROVIDE
- 3. PIPING SIZE TO BE 1" MINIMUM OR SAME AS PIPE DOWN-STREAM UNLESS OTHERWISE NOTED. PROVIDE 1" CONNECTIONS TO SPRINKLER HEADS (UNLESS OTHERWISE NOTED) INCLUDING SPRINKLER HEADS UNDER OBSTRUCTIONS.
- 4. ALL COMPONENTS SHALL BE LISTED.
- 5. PROVIDE FIRE-STOPPING AT PIPE PENETRATION OF FLOORS, MASONRY WALLS, DRYWALL CEILINGS, AND RATED WALLS AND PARTITIONS.
- 7. PROVIDE DCDA BACKFLOW PREVENTER ASSEMBLY. COORDINATE THE WATER SERVICE.
- AND HOSE CONNECTION FOR THIS.
- 9. PROVIDE FIRE DEPARTMENT CONNECTION AS REQUIRED BY THE LOCAL FIRE DEPARTMENT. PROVIDE SIGN DESIGNATING THE AREA SERVED.

ALTERNATES

F2 PROVIDE SPRINKLERS IN CEILING CLOUDS (ALTERNATE CEILING OVER THE NEW RECEPTION DESK).





ADDITIONAL SPRINKLERS TO COVER AROUND OBSTRUCTIONS. REFER TO ALL THE BUILDING DRAWINGS.

6. PROVIDE FLOW SWITCHES. PROVIDE TAMPER SWITCHES ON VALVES. PROVIDE AUDIO-VISUAL EXTERIOR ALARM.

8. PROVIDE MEANS FOR FORWARD TEST OF THE BACKFLOW PREVENTER SIZED FOR THE DESIGN FLOW. PROVIDE VALVE









PROJECT NOTES

- A. EXISTING ZONE VALVES IN THE BOILER ROOM MAY HAVE BEEN MIS-LABELED. VERIFY IN FIELD AND LABEL AS SHOWN.
- HEATING, ROOFTOP UNIT). START UP AND TEST SYSTEMS AFTER RENOVATIONS.
- C. FIELD MEASURE ALL PIPING, FINTUBE, AND DUCTWORK.
- D. PROVIDE AIR VENTS AT HEATING WATER HIGH POINTS.

TEMPERATURE CONTROL

TEMPERATURE CONTROL WORK WILL INCLUDE ALL REQUIRED CONTROL WIRING AND POWER WIRING REQUIRED FOR CONTROL. PROVIDE WIRING IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS. PROVIDE ALL WIRING AND ACCESSORIES AS REQUIRED. WIRING SHALL BE CONCEALED OR IN CONDUIT.

PROVIDE 120V CONNECTIONS TO POWER SUPPLIES. LOCATE POWER SUPPLIES IN THE BOILER ROOM.

ALL 24V CABLE SHALL BE CONCEALED EXCEPT IN THE BOILER ROOM. SUBMIT INFORMATION INCLUDING DEVICES AND WIRING DIAGRAMS.

RTU-S COMMERCIAL PROGRAMMABLE THERMOSTAT TWO STAGE AUTO CHANGE-OVER, 5 DEGREE DEAD BAND 24V, RETAIN MEMORY DURING POWER FAILURE AUXILIARY OCCUPIED OUTPUT FOR VENTILATION.

OCCUPIED - FAN TO RUN CONTINUOUSLY, OUTSIDE AIR DAMPER TO OPEN.

UNOCCUPIED - FAN TO CYCLE WITH HEAT/COOL, OUTSIDE AIR DAMPER TO CLOSE.

ZONE CONTROL (COOLING) - PROVIDE SINGLE ZONE DAMPER CONTROL WITH AUTO CHANGEOVER AND DUCT TEMPERATURE SENSING. PROVIDE DAMPER, THERMOSTAT, DAMPER OPERATOR, ACCESSORIES AND WIRING. DAMPER CLOSES WHEN COOLING SET POINT IS SATISFIED (NORMALLY OPEN). CONNECT TO NEW DESIGNATED CIRCUIT WITH SWITCH. DAMPER DAMPER ACTUATOR - 24V, HONEYWELL TRUE ZONE OR EQUAL. NORMALLY OPEN TRANSFORMER – POWER SUPPLY DUCT AIR SENSOR (CHANGE OVER)

THERMOSTAT - CLOSES DAMPER WHEN SATISFIED (NORMALLY OPEN - HEATING ACTION).

HOT WATER HEAT CONTROL - THERMOSTAT TO OPEN VALVE ON CALL FOR HEAT. CONNECT VALVE END SWITCH TO THE EXISTING BOILER CONTROL. CONNECT TOEXISTING HOT WATER CONTROL POWER SUPPLY. ZONE VALVE WITH END SWITCH - 24V

THERMOSTAT

CONTROL: SET UP AND PROGRAM THE THERMOSTAT FOR THE SEQUENCE AND OCCUPIED SCHEDULE. OBTAIN SCHEDULE FROM THE OWNER.

AIR BALANCE: BALANCE SUPPLY AIR FLOW. BALANCE OUTSIDE AIR FLOW.

EQUIPMENT

DIFFUSERS AND GRILLES D-1 DIFFUSER - 24X24 LAY-IN ARCHITECTURAL, KRUEGER PLQ D-2 DIFFUSER -SURFACE LOUVERED 2-WAY, KRUEGER SH 22 2S D-3 DIFFUSER - ROUND ARCHITECTURAL, KRUEGER RM2PLQ G-1 GRILLE - RETURN LOUVERED SURFACE, KRUEGER S80 G-2 GRILLE - SUPPLY LOUVERED, KRUEGER 80 G-2R GRILLE - SUPPLY LOUVERED, OPPOSED BLADE DAMPER, KRUEGER 80 G-3 GRILLE - RETURN EGGCRATE, KRUEGER EGC5

ALL MOTORS SHALL HAVE THERMAL PROTECTION.

EF-1 - CEILING EXHAUST FAN WITH GRILLE 55 CFM @ .125" 115V

1 SONES GREENHECK SP-B50 PROVIDE SPEED CONTROL.

EF-2 - CEILING EXHAUST FAN WITH GRILLE 120 CFM @ .25" 115V

2 SONES GREENHECK SP-A90-13-VG EF-3 - EXHAUST FAN - INLINE

25 CFM @ .2" 115V PROVIDE SPEED CONTROL (EC-10V), WALL VENT. FANTECH FG4

TF-1- INLINE FAN 125 CFM @ .125" 115V 1.1 SONES GREENHECK CSP-A125

FT-1 - FINTUBE HEATER SLOPE TOP ENCLOSURE 1810 BTUH/FT @ 170F 3/4" COPPER, 2 ROW, ALUMINUM FINS 24" ENCLOSURE VULCAN LVS

FT-2 - LIGHT COMMERCIAL FINTUBE HOT WATER HEATER SLOPE TOP ENCLOSURE 715 BTUH/FT @ 170F 3/4" COPPER, 1 ROW, ALUMINUM FINS 10" ENCLOSURE VULCAN LC-210

FT-3 - LIGHT COMMERCIAL FINTUBE HOT WATER HEATER SLOPE TOP ENCLOSURE 715 BTUH/FT @ 170F 3/4" COPPER, 1 ROW, ALUMINUM FINS RETURN IN ENCLOSURE 10" ENCLOSURE VULCAN LC-210

BB-1 - BASEBOARD FINTUBE HOT WATER HEATER 710 BTUH/FT @ 170F, 1GPM 3/4" COPPER, 1 ROW, ALUMINUM FINS VULCAN 800

CONVECTOR - HOT WATER FLOOR MOUNTED SLOPE TOP VULCAN SF-A DEPTH X LENGTH X HEIGHT, 170 AWT, 65 EAT CONVECTOR-1 8X64X18H, 12,985 BTUH CONVECTOR-2 8X64X18H, 12,985 BTUH

Meeting Room 104

3/4"HWS DN-ZONE 2

 \mathcal{O} WALL VENT

/4"ø

0°\$7.-2

EF-1

36CFM

<u>SYMBOLS – ELECTRICAL</u>

- DUPLEX RECEPTACLE Φ
- QUAD RECEPTACLE ₿
- RECEPTACLE COUNTER (GFI IF NEAR SINK) D,
- Фт RECEPTACLE – TOILET ROOM (44", GFI)
- RECEPTACLE TAMPER RESISTANT $\Phi_{\rm TR}$
- RECEPTACLE SPECIAL \bigcirc
- TELEPHONE/DATA/CATV OUTLET \triangleleft
- HOME RUN CIRCUIT
- RECEPTACLE GROUND FAULT INTERRUPTING GFI
- DISCONNECT (SAFETY SWITCH)
- CONTROLLER \bowtie
- SWITCH
- SWITCH 3 WAY (4 WAY) \$z
- OCCUPANCY SENSOR (WALL SWITCH)
- VACANCY SENSOR (WALL SWITCH)
- SWITCH DIMMER
- OCCUPANCY SENSOR (CEILING) Ο
- d DAYLIGHT SENSOR (CEILING)
- PP OCCUPANCY SENSOR RELAY
- EXHAUST FAN EF
- NIGHT LIGHT NL
- \otimes EXIT SIGN
- \square EMERGENCY LIGHT
- PE PHOTOELECTRIC CONTROL
- EXISTING DEVICE Е

FIRE ALARM

- S SMOKE DETECTOR
- Θ HEAT DETECTOR
- F FIRE ALARM PULL STATION
- F⊲ FIRE ALARM AUDIO/VISUAL
- FIRE ALARM VISUAL (STROBE) ED
- FACP FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUNCIATOR FAA
- FIRE ALARM SPRINKLER FLOW SWITCH FS
- TS FIRE ALARM – VALVE TAMPER SWITCH
- \bigcirc CARBON MONOXIDE ALARM/DETECTOR
- DD DUCT SMOKE DETECTOR
- DEVICE ABOVE CEILING AC
- F EXISTING DEVICE
- CD CARBON MONOXIDE VISUAL (STROBE)

NOTES - ELECTRICAL

- 1. CIRCUITS UNLESS OTHERWISE NOTED, PROVIDE 2 #12 AWG WITH #12 GROUND TO A 20A, 1P (POLE) CIRCUIT BREAKER.
- 2. PROVIDE COMPLETE CIRCUITS AS SHOWN OR AS NUMBERED.
- 3. COORDINATE RECEPTACLE AND SWITCH INSTALLATION HEIGHTS WITH CABINETS AND EQUIPMENT.
- 4. PROVIDE ELECTRIC DISCONNECTS AND SAFETY SWITCHES FOR EQUIPMENT (MECHANICAL, ETC.).
- 5. INSTALL ALL CONDUIT CONCEALED (EXCEPTION MECHANICAL ROOMS). INSTALL ALL CABLE CONCEALED.
- 6. PROVIDE LISTED FIRE STOP SEALANT/SYSTEM AT CABLE AND CONDUIT PENETRATION OF RATED WALLS & PARTITIONS.
- 7. DO NOT COMBINE NEUTRALS.
- 8. MOUNT SWITCHES 44 INCHES ABOVE FLOOR, UNLESS OTHERWISE NOTED. MOUNT RECEPTACLES VERTICALLY AT 18 INCHES ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED.
- 9. DATA OUTLET INSTALL OUTLET AT THE SAME HEIGHT AS ADJACENT RECEPTACLES. PROVIDE DEVICE WALL BOX WITH 1" CONDUIT TO ABOVE THE SUSPENDED CEILING (ABOVE OR BELOW). PROVIDE FISH WIRE AND BLANK WALL PLATE.
- 10. COORDINATE TO CONCEAL WIRING. ANY EXPOSED WIRING SHALL BE INSTALLED NEATLY.
- 11. PROVIDE CONDUIT SIZES PER THE NATIONAL ELECTRIC CODE.

ALTERNATES

E1 006 & 012 - RENOVATION WORK: REPLACE LIGHT FIXTURES. REMOVE DEVICES IN WALLS. EXTEND BOXES FOR THE NEW WALL FINISH AND REPLACE THE DEVICE. REMOVE EXISTING LIGHT FIXTURES. PROVIDE NEW LIGHT FIXTURES IN THE NEW CEILING. DISCONNECT EXISTING TRANSFER FAN. PROVIDE CONNECTION TO THE NEW TRANSFER FAN SERVING 008. 012 ONLY - REMOVE EXISTING RECEPTACLES ON THE BASE INCLUDING SURFACE RACEWAY AND WIRING. PROVIDE NEW RECEPTACLES IN THE NEW BASE. INSTALL WIRING CONCEALED. CONNECT TO THE EXISTING CIRCUITS. (NOTE THAT THE CONNECTIONS FOR THE FANS SERVING 010 IS IN THE BASE BID.) PROVIDE ABOVE CEILING SMOKE DETECTORS. RELOCATE DETECTORS TO THE NEW CEILING.

E2 101 – ALTERNATE LIGHT FIXTURES (CLOUD CEILING)

CONDITIONS ON THE FIELD AS-BUILT DRAWINGS.

REMOVALS

"REMOVE" TO INCLUDE DISCONNECT AND REMOVE THE DEVICE AND EXISTING CIRCUIT. "DISCONNECT" TO INCLUDE DISCONNECT AND REMOVE EXISTING CIRCUIT. "CIRCUIT" INCLUDES BUT NOT LIMITED TO WIRE AND CONDUIT. "WIRING" INCLUDES BUT NOT LIMITED TO WIRE, CONDUIT, DEVICES, ACCESSORIES. "RELOCATE" TO INCLUDE EXTEND EXISTING CIRCUIT TO THE NEW LOCATION.

- ADJACENT SURFACE.

THE EXISTING CONDITIONS SHOWN ARE BASED ON ORIGINAL DRAWINGS AND FIELD OBSERVATIONS. ACTUAL CONDITIONS MAY VARY. ACCOUNT FOR POSSIBLE VARIATIONS. NOTE EXSITING CONDITIONS DURING REMOVALS AND INCLUDE THE

1. WALL REMOVAL - REMOVE WIRING IN AND ON EXISTING WALLS WHICH WILL BE DEMOLISHED. RELOCATE AND EXTEND ANY EXISTING CIRCUITS TO REMAIN.

2. AT REMOVALS, ON SURFACES TO REMAIN, REPAIR SURFACES TO MATCH THE

#	VOLTAGE	FRAME	мсв	UL	SPACES	MOUNT.		F	FEEDER	
	PHASE	AMPS	AMPS	SCCR			CONDUCT. AWG	GROUND AWG	SOURCE	C
PP-3	208/3/4W	125	MLO	22KA	20	RECESSED	4	10	PP-1	6
PP-3: L PP-3: L COORDINA CONTRACT REPLACE CONTRACT REPLACE PROVIDE I PROVIDE I	M SYSTEM TE WITH EXISTI OR TO DETER THE PANEL. PANEL – SIMP DEVICES AS SH IES REQUIRED. EXISTING ALARN VAC EXTENDER TESTING AND C SHOP DRAWING FORMATION, B/ S. OR SHALL PI TON OF THE S EVICES IN ACC	NG FIRE A RMINE IF LEX 4007 HOWN. CON MS (AUDIBL POWER SU ERTIFICATION STHAT IN ATTERY CAL ROVIDE CO SHOP DRAW	LARM SYS THE EXIS INECT TO LE/VISUAL UPPLY IF ON AS RE NCLUDE V LCULATION OMPLETE /INGS SHA WITH ADA	STEM. STING FIRE THE BUIL , VISUAL, REQUIRED QUIRED. VIRING DIAG SYSTEM ALL BE THI AND STAT	E ALARM PA DING FIRE A AUDIBLE).	NEL CAN BE LARM SYSTEM UFACTURER'S CULATIONS, A ION AS REG BILITY OF THE LITY CODES.	CIRCUT BREAK	KER). PROVI IF NOT, ING AND R TYPES HE AHJ.	DE FEEDER CIRC	UIT BREAKER
OORDINA	TE WITH THE S	SPRINKLER	SYSTEM.							
PROJECT	NOTES									
4. PROVI PROVI THE F	DE RECEPTACL DE CONNECTIO LOOR.	ES IN CIRC N TO JUNC	CULATION	DESK. CO X BELOW F	DRDINATE WIT TLOOR. PROV	TH THE DESK DE DATA PAT	CONSTRUCTION HWAY TO BELO	W		
3. MEETIN	NG ROOMS -	PROVIDE R	ECEPTACL	ES IN ACC	CORDANCE W	TH NFPA 70	210.71.			
:. RELOC SERVIC	ATED AND EXT CE).	END EXIST	ING CONE	DUIT AND V	WIRING NEAR	FLOOR (DUE	TO NEW WATE	R		
). FOR (MATCH	CONNECTIONS 1 I THE SCCR O	TO EXISTING F THE PAN	G PANELE IELBOARD	BOARDS —	PROVIDE BR	ANCH CIRCUIT	BREAKER.			JE DE L
. ALL W NON-	'IRING UNERGR METALLIC.	OUND TO I	BE IN CC	NDUIT. UN	DERGOUND (CONDUIT TO B	E	Kitche	nette	GFI 3-0
. CUT A	ND TRENCH FI	LOOR WHEF	re requi	RED. PATC	H FLOOR.				4 3-03	J.
G. FLOOR THE C	: OUTLET — PI EILING SPACE.	ROVIDE CIR	CUIT WIR	ING IN COI	NDUIT UNDEF	R SLAB TO WA	ALL AND UP TO)	REFRIG.	
I. ALL N CIRCU	EW RECEPTACL LATION DESK.	ES SHALL	BE TAMF	PER RESIST	ANT. EXCEPT	ION - OFFICE	E & IN THE			
EQUIPMEN	Т									
FLOOR RE FLUSH FL BOX – IN PROVIDE I COORDINA PROVIDE A COVER AN STYLE LIN HUBBELL	CEPTCALE – F OOR WITH FLAI FLOOR NON–M DEPTH AS REQ TE WITH FLOOF ACCESSORIES A ID TRIM MATER E DECORATOR	RECESSED P COVER IETALLIC UIRED. R FINISH. AND FLOOR IAL - ALU OPENING	FLOOR O TRIM. MINUM	UTLET BOX						
ABLE TO	P RECEPTACLE	S – HUBB	ELL 525	SERIES						
										$\frac{1}{4''} =$

