DESIGN DEVELOPMENT

SECOND FLOOR INTERIOR ADDITION

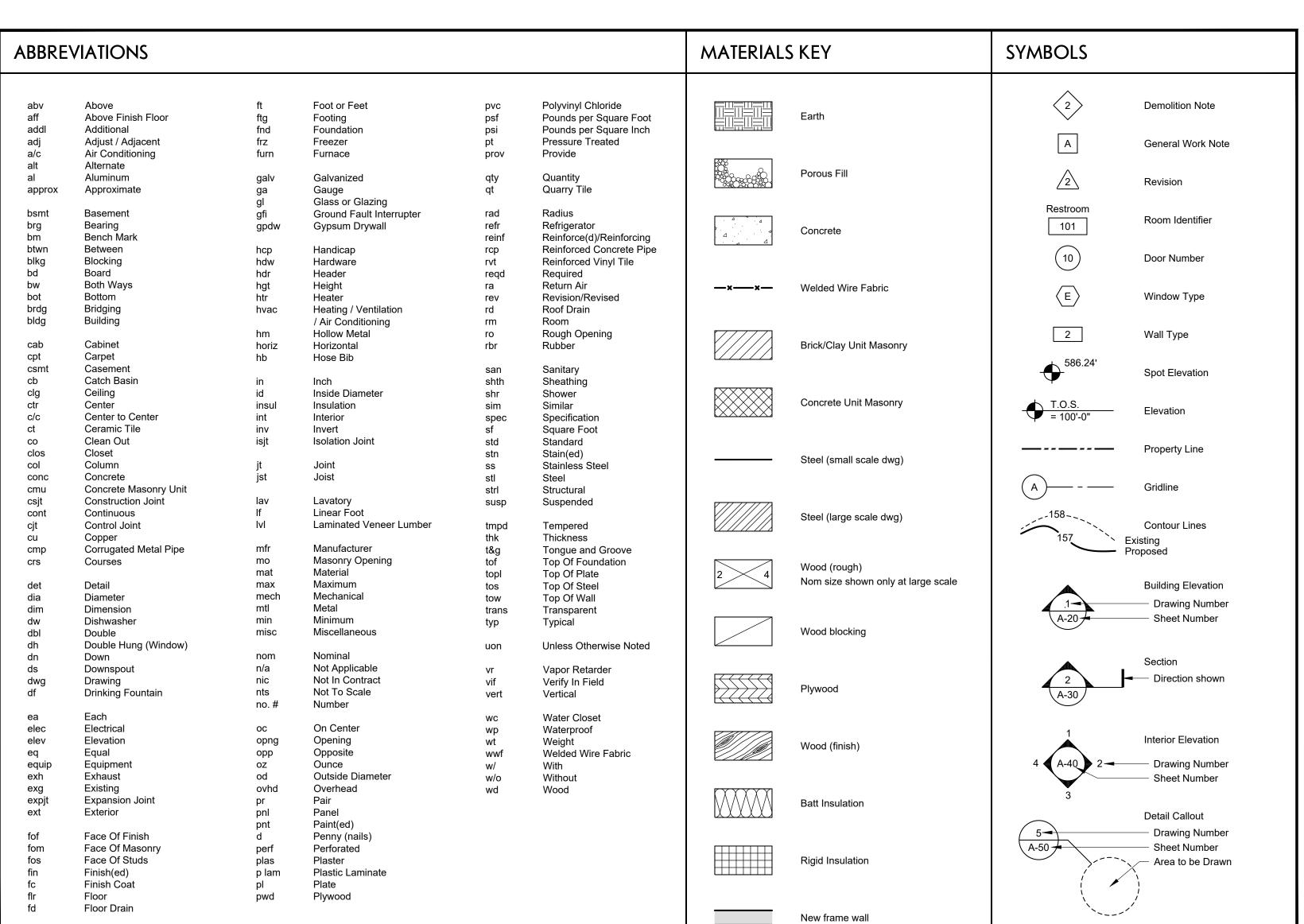
Warsaw Public Library

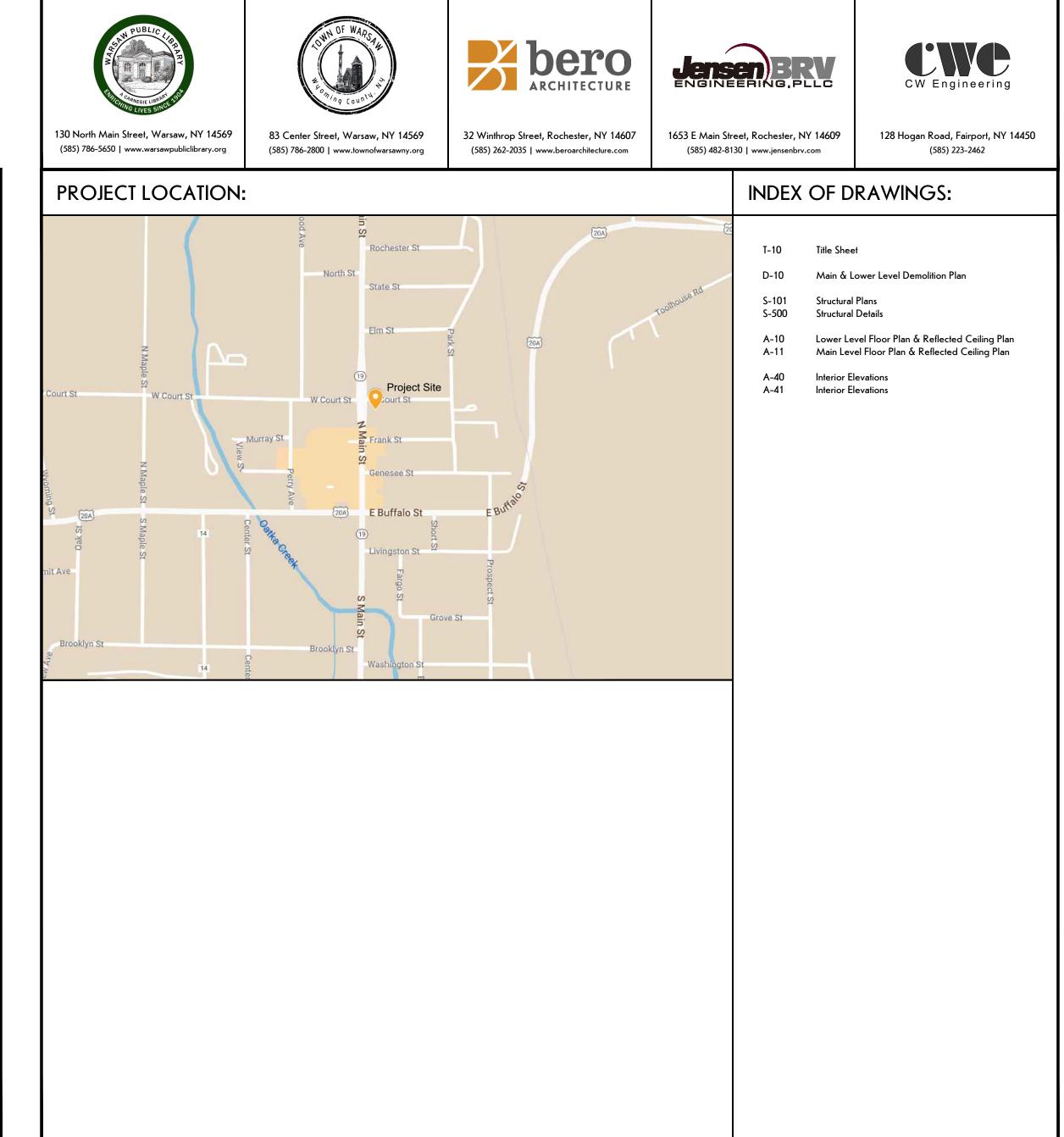
130 North Main Street Warsaw, New York

FOR

Town of Warsaw

83 Center Street Warsaw, NY 14569





ARCHITECT

STRUCTURAL ENGINEER

PROJECT TEAM:



STAMP

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STRUCTURAL ENGINEER:



1653 East Main Street Rochester, NY 14609

MEP/FP ENGINEER:



MECHANICAL ENGINEER

315 Rockingham Street

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REVISIONS:

Date Description

OF THEIR WORK INCLUDING VERIFICATION OF ALL

AND/OR NEW WORK AND CONDITIONS.

CLIENT / OWNER:



83 Center Street Warsaw, NY 14569

PROJECT INFORMATION:

Design Develpment
Warsaw Public Library
130 North Main Street, Warsaw, New Yor

PROJECT NUMBER: 22120

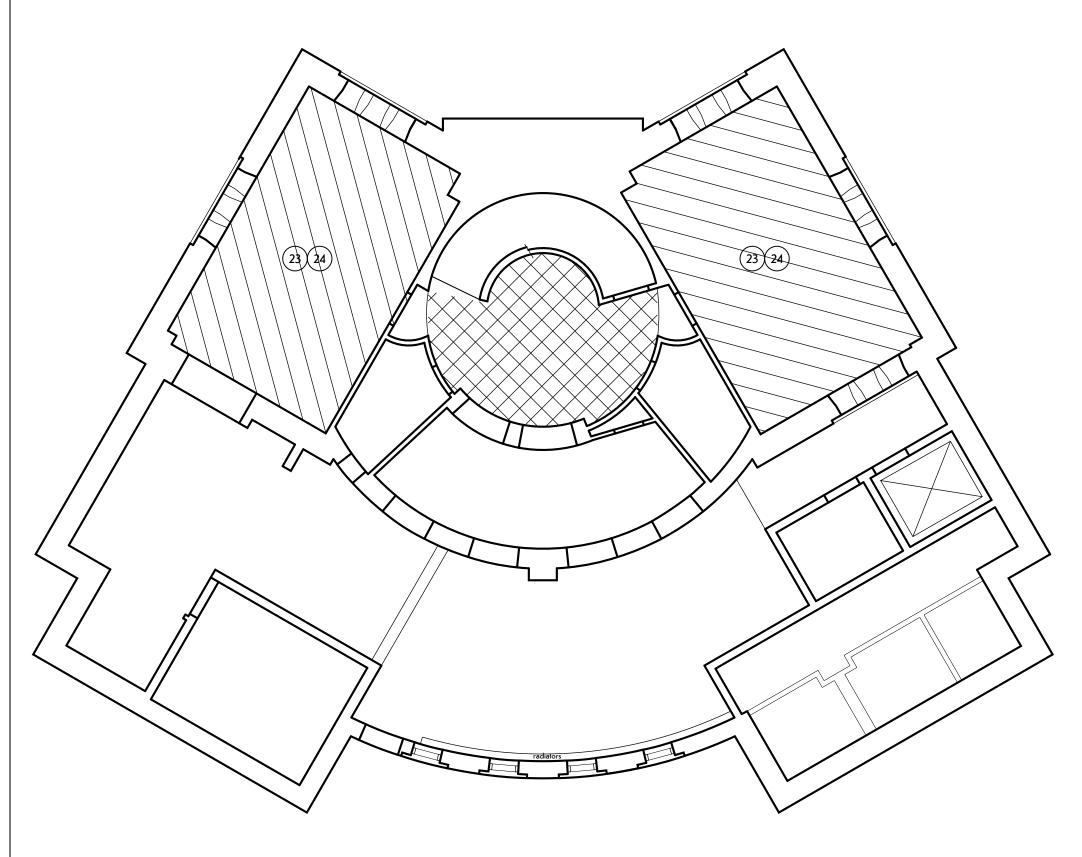
ISSUE DATE: 12/5/2023

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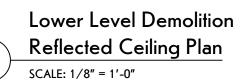
SHEET TITLE:

Title Sheet

T-10



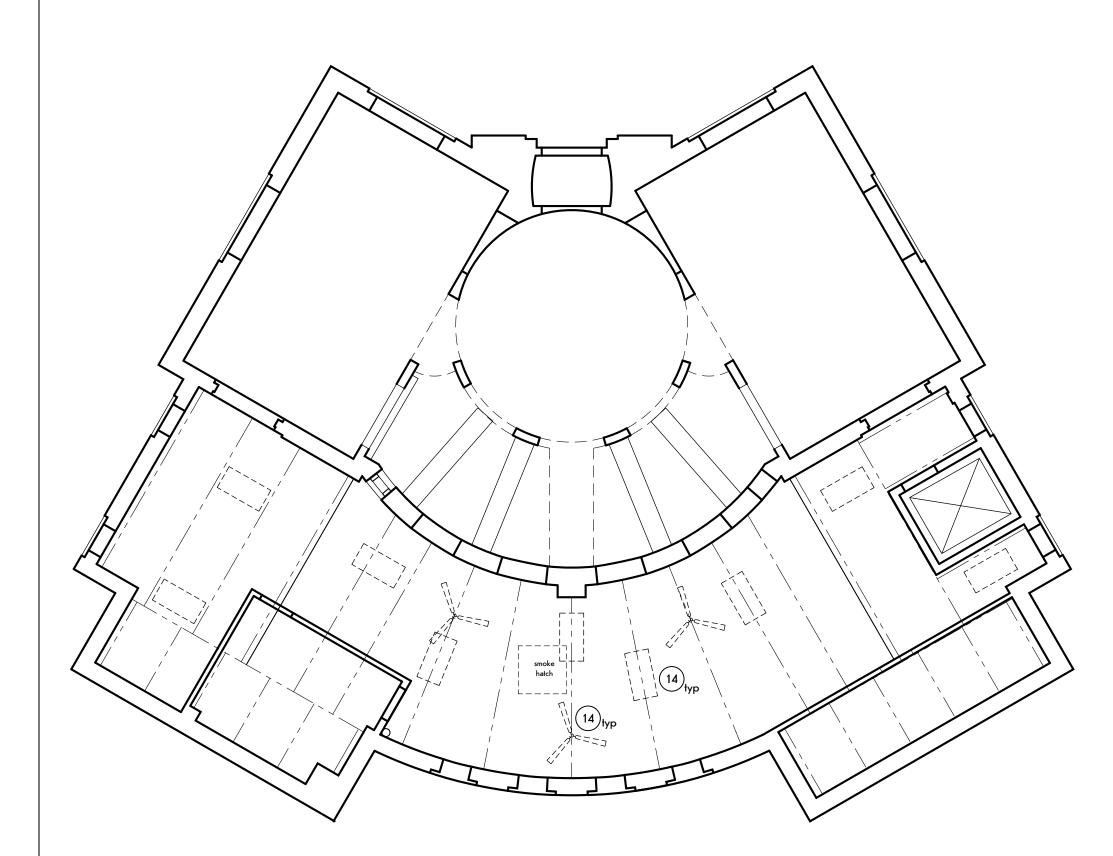




Main Level Demolition

Reflected Ceiling Plan

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





----- To be removed

_____ To remain

Remove ceiling/floor construction (Alternate No. 1)

Remove ceiling tile

Remove asbestos containing floor tile

Gernal Demolition Notes:

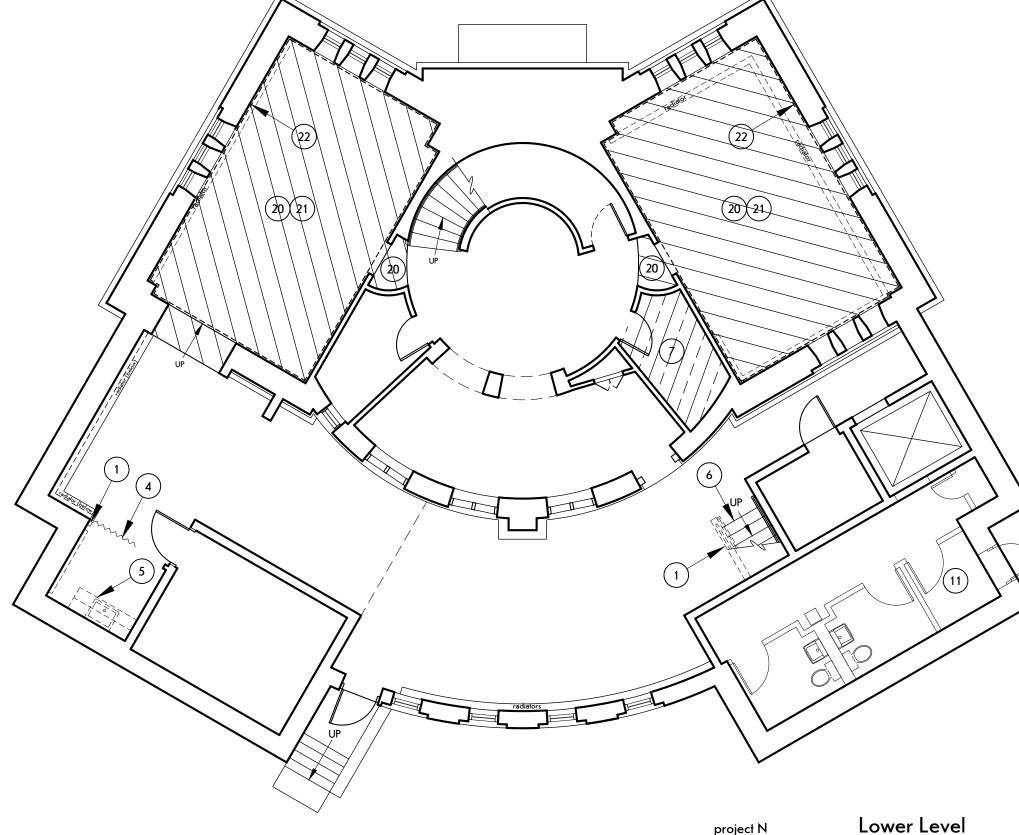
- 1. Protect portions of building not scheduled for removal.
- 2. Remove carpet, full extent of building.
- . Remove metal pipe rail at all, interior existing openings.
- 4. Elevator to be protected during construction.

Demolition Notes:

- Remove wall construction. Plumbing and Electrical Contract responsible for relocating power and plumbing in new walls.
- Remove wall construction to finish floor level.
- Salvage door and hardware for reinstallation. Store during construction.
- 4 Remove bifold door.
- 5 Remove Kitchenette cabinetry and sink.
- 6 Remove rubber stair treads.
- 7) Remove asbestos containing flooring
- 8 Remove circulation desk casework.
- Remove guardrail paneling to expose existing guardrail, contact Architect for inspection of existing conditions.
- Remove wallpaper and prep walls for paint, full extent of Rotunda and entry stair.
- Protect exg entrance mat system with pwd during construction.
- Remove portion of exg window at floor level to provide new opening.
- (13) Remove desk and casework below stair.
- (14) Removal of fans and lighting responsibility of Electrical Contract.

<u>Demolition Notes - Alternate No. 1 :</u>

- Remove wood floor and sleepers for inspection of existing concrete floor.
- (21) Remove concrete floor, Allowance No. 1.
- (22) Remove wall paneling.
- Remove acoustical tile ceiling and grid.
- Remove wood ceiling lathe and any remaining plaster.

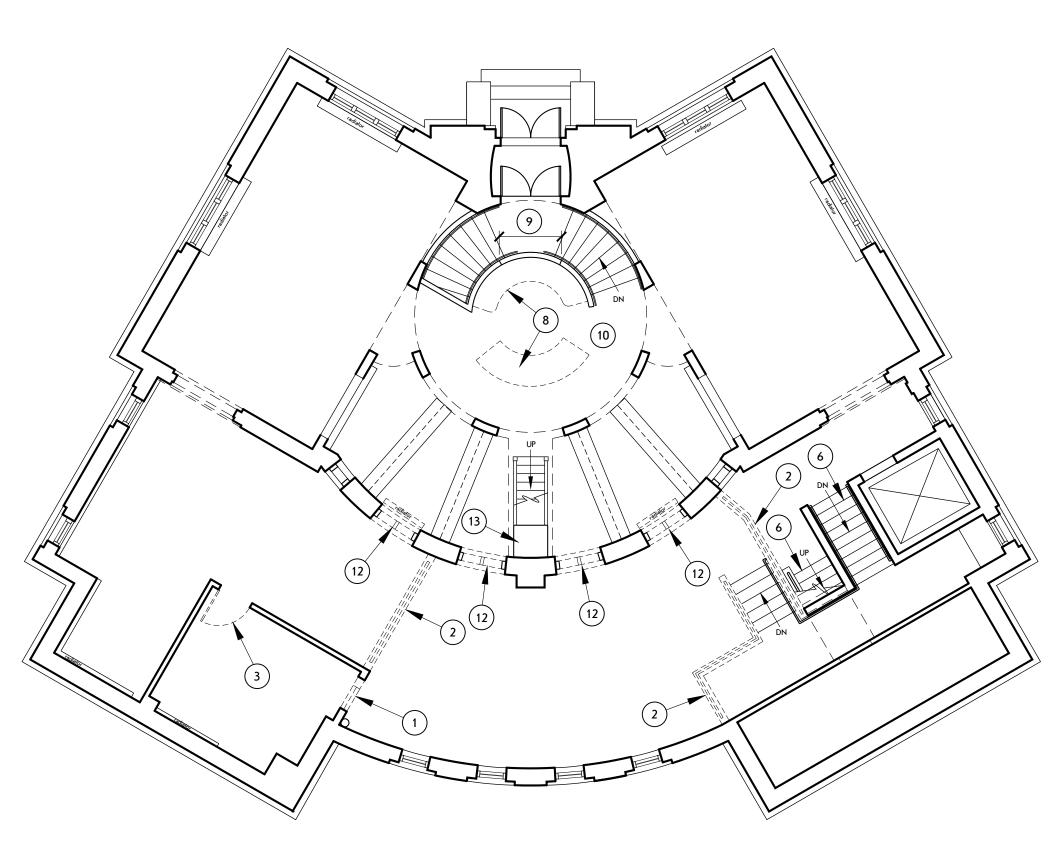




Lower Level

Demolition Plan

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





Main Level
Demolition Plan

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



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STRUCTURAL ENGINEER:



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MEP/FP ENGINEER:



315 Rockingham Street Rochester, NY 14620

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REVISIONS:

Date Description

CLIENT / OWNER:



Town of Warsaw 83 Center Street Warsaw, NY 14569

PROJECT INFORMATION:

Design Develpment Warsaw Public Library 130 North Main Street, Warsaw, New Yorl

PROJECT NUMBER: 22120
ISSUE DATE: 12/5/2023

DRAWN BY: SHEET TITLE:

Main & Lower Level
Demolition Plan

SHEET NUMBER:

D-10

GENERAL CONDITIONS

- 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
- **EXISTING CONDITIONS:** EXISTING DIMENSIONS, ELEVATIONS, AND MEMBER SIZES SHOWN ARE CONSIDERED APPROXIMATE. VERIFY DIMENSIONS, ELEVATIONS, AND MEMBER SIZES AS SHOWN ON THESE DRAWINGS AND NOTIFY THE A/E OF DISCREPANCIES PRIOR TO COMMENCING WORK.
- **EXISTING CONDITION SURVEY:** ENGAGE A LICENCE SURVEYOR TO VERIFY THE EXISTING DIMENSIONS, ELEVATIONS, AND LAYOUT AT EACH LEVEL OF THE STRUCTURE PRIOR TO PREPARING SHOP DRAWINGS, PRODUCING SUBMITTALS, PERFORMING DEMOLITION ACTIVITIES, OR PERFORMING OTHER FIELD WORK; PLACING CONCRETE FORMWORK; OR ORDERING, DEALING, FABRICATING, AND ERECTING STRUCTURAL STEEL. INCORPORATE EXISTING DIMENSIONS, ELEVATIONS, AND LAYOUT INTO THE WORK.
- 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.
- WHERE DEMOLITION OR OTHER MODIFICATIONS TO THE EXISTING STRUCTURE ARE REQUIRED: THE CUTTING, 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.
- 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.
- CONTRACT DRAWINGS AND SPECIFICATIONS: COORDINATE STRUCTURAL DRAWINGS WITH ALL OTHER DRAWINGS AND SPECIFICATIONS. INCORPORATE COORDINATION REQUIREMENTS INTO
- DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO THOSE SHOWN FOR THE MOST NEARLY SIMILAR CONDITION AS DETERMINED BY THE ARCHITECT OR ENGINEER.
- 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 SEALED BY A LICENSED PROFESSIONAL ENGINEER PRIOR TO SUBMISSION.

STRUCTURAL LOADS AND CRITERIA

- DESIGN AND CONSTRUCTION: <u>NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE</u> (UNIFORM CODE) ACCORDING TO THE <u>2020 BUILDING CODE OF NEW YORK STATE</u> (BCNYS).
- A. RISK CATEGORY II
- LIVE LOADS: GROUND FLOOR =
- 100 PSF ELEVATED FLOORS = 150 PSF
- DEAD LOADS: WEIGHT OF CONSTRUCTION MATERIALS PLUS ROOF = 40 PSF COLLATERAL (MEP) FLOOR = 12PSF COLLATERAL (MEP)
- SNOW LOADS: Is = 1.0 SNOW DRIFT: SEE SNOW DRIFT MAP ON SHEET SXXX
- Pf = 35 PSF Cs = 1.0, Ce = 1.0, Ct = 1.1
- RAIN LOADS: d s = 5"

R = 20 PSF

Pg = 40 PSF

- FLOOD LOADS: THE STRUCTURE IS NOT IN A FLOOD HAZARD AREA
- WINDS LOADS: V_ult = 115 MPH (V_asd = 90 MPH)
- EXPOSURE = C GCpi = (+/-)0.18
- COMPONENT AND CLADDING WIND LOADS: SEE C+C WIND LOAD TABLE AND MAP ON SXXX
- SEISMIC LOADS: le = 1.0 Ss=0.225, S1= 0.058, SDs = 0.150, SD1 = 0.039
- SITE CLASS = XX, SEISMIC DESIGN CATEGORY = XX BASIC SEISMIC-FORCE RESISTING SYSTEM:
- STEEL SYSTEM NOT SPECIFICALLY DETAILED (ASCE 7-16 T.12.2-1 ITEM H) BASE SHEAR = XX KIPS, Cs=.059, R= 3, OMEGA = 3, Cd = 3
- ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE CONTROLLING LFRS LOAD TYPE: WIND
- DESIGN STAIRS, STAIR COMPONENTS, CONNECTIONS, AND RAILINGS AND INCORPORATE INTO STEEL SHOP DRAWINGS AS FOLLOWS: (LIVE LOADS SHOWN ARE IN ADDITION TO DEAD LOAD) A. MAIN STRINGERS AND LANDINGS: 100psf
- B. TREADS: LOAD PRODUCING GREATEST STRESS OF 100 PSF OR 300 LB ON 4 SQ IN.
- C. HANDRAIL ASSEMBLIES: LOAD PRODUCING GREATEST STRESS OF 200 LB OR 50 PLF. APPLIED IN ANY DIRECTION AT ANY POINT ON THE ASSEMBLY.
- D. MEET BCNYS REQUIREMENTS FOR DETAILS AND DIMENSIONS NOT SPECIFICALLY INDICATED. E. COORDINATE FINAL DESIGN WITH ARCHITECTURAL DRAWINGS AND PROJECT SPECIFICATIONS.
- F. MEMBER SIZES SHOWN ON DRAWINGS ARE MINIMUM. G. FRAMING DETAILS SHOWN ARE SCHEMATIC. CONTRACTOR TO PROVIDE ADEQUATE
- SUPPLEMENTAL FRAMING AS NEEDED TO SUPPORT STAIR AND RAILING COMPONENTS.

MASONRY NOTES

- CONCRETE MASONRY DESIGN AND CONSTRUCTION: TMS 402 AND TMS 602.
- CONCRETE MASONRY UNITS: ASTM C-90. F'm = 2000 PSI.
- CMU MORTAR: ASTM C270 TYPE M OR S. TYPE M BELOW GRADE.
- BRICK MORTAR: ASTM C270 TYPE N. TYPE S BELOW GRADE.
- HORIZONTAL JOINT REINFORCING: ASTM A82, 9 GA, GALVANIZED LADDER-TYPE, 16" O/C UNO.
- 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.
- PROVIDE FULL HEAD AND BED JOINTS.
- MASONRY WALLS, PARTITIONS, AND OPENINGS: COORDINATE WITH ARCHITECTURAL DRAWINGS.
- LAP SPLICES IN VERTICAL REINFORCING: 48 BAR DIAMETERS MINIMUM, UNO.
- . MASONRY COURSING INDICATED ON THE STRUCTURAL DRAWINGS IS APPROXIMATE. REFER TO ARCHITECTURAL DRAWINGS FOR COURSING LAYOUT. CUT UNITS AS REQUIRED TO ACHIEVE ELEVATIONS, BEARING ELEVATIONS, AND OPENINGS INDICATED.
- REINFORCING STEEL: A615 REINFORCING STEEL, 60 KSI TYPICAL. A706 REINFORCING STEEL, 60 KSI AT WELDED APPLICATIONS, SECURE IN PLACE PRIOR TO PLACING GROUT, DO NOT WET-SET.
- 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
- **SHOP DRAWINGS:** SUBMIT FOR REINFORCING STEEL, GROUT AND MORTAR MIX DESIGNS. AND CMU PRODUCT DATA TO THE ARCHITECT FOR REVIEW BEFORE CONSTRUCTION.

STEEL NOTES

- 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
- 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 = 36ks
- C. HOLLOW STRUCTURAL SECTIONS (HSS): ASTM A500 GRADE B/C D. PIPE: ASTM A53 GRADE B, Fy = 35ksi
- E. ANCHOR RODS: ASTM F1554, GRADE 55 +S1, WELDABLE BOLTS: ASTM A325N (A325X, A490N, A490X AND SC WHERE INDICATED) G. SHEAR CONNECTORS: ASTM A108
- H. WELDS: E70xx ADHESIVE ANCHORS: ASTM F1554, GRADE 105 (OR ASTM A193 B7)
- J. GALVANIZED STRUCTURAL STEEL: ASTM A123 K. GALVANIZED BOLTS, FASTENERS, AND HARDWARE: ASTM A153
- 3. WELDING: AWS D1.1. ALL-AROUND FILLET WELDS FOR STEEL CONNECTIONS NOT INDICATED.
- 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, ALL EXTERIOR EXPOSED STEEL, AND ALL
- STEEL OUTSIDE THE STRUCTURE'S THERMAL ENVELOPE. B. ALL OTHER STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH A MODIFIED ALKYD RUST INHIBITIVE PRIMER, 2.5 TO 3.5 MILS DFT (BASIS OF DESIGN IS TNEMEC SERIES 10).
- BEAM CONNECTIONS: DESIGNED FOR A MINIMUM SERVICE LOAD OF 10 KIPS.
- 7. DECK EDGE ANGLE: PROVIDE 1/4" ANGLE OR BENT PLATE AT THE PERIMETER OF ALL FLOORS UNO. COORDINATE HORIZONTAL ANGLE LEG LENGTH WITH ARCHITECTURAL REQUIREMENTS

6. FRAMED BEAM CONNECTIONS: LENGTH EQUAL TO THE SMALLER BEAM'S "T" DIMENSION UNO

8. SHOP DRAWINGS: SUBMIT FOR REVIEW PRIOR TO FABRICATION.

STEEL DECK

- 1. STEEL DECK SHALL CONFORM TO THE STEEL DECK INSTITUTE'S CODE OF STANDARD PRACTICE, SDI-C1.0 STANDARD FOR COMPOSITE STEEL FLOOR DECK, SDI-NC1.0 STANDARD FOR NON-COMPOSITE STEEL FLOOR DECK, AND SDI-RD1.0 STANDARD FOR STEEL ROOF DECK.
- 2. COMPOSITE STEEL DECK: FASTEN TO SUPPORTS ACCORDING TO SDI RECOMMENDATIONS. COMPOSITE STEEL DECK SHALL HAVE A GALVANIZED FINISH (G-60).
- 3. DECK TO BE MINIMUM TWO SPAN CONTINUOUS.
- 4. **SHOP DRAWINGS:** SUBMIT FOR REVIEW PRIOR TO CONSTRUCTION.

CONCRETE NOTES

- 1. CONCRETE DESIGN AND CONSTRUCTION: ACI 318, ACI 301, AND PROJECT SPECIFICATIONS.
- 2. CONCRETE PROTECTION: ACI 305 HOT WEATHER CONCRETING, ACI 306 COLD WEATHER CONCRETING. CONCRETE SHALL NOT BE PLACED ON FROZEN GROUND. PROTECT AGAINST FROST UNTIL SPECIFIED STRENGTH IS ATTAINED.
- 3. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS:
- 3,500 PSI, MAX UNIT WEIGHT = 115 PCF, 6% AIR **ELEVATED SLABS** 3 000 PSI MAX W/C RATIO = 0.54 INTERIOR SLABS ON GRADE: (1 1/2" MAX COURSE AGGREGATE)
- 4. AIR-ENTRAINMENT FOR CONCRETE EXPOSED TO FROST OR WEATHER: (DO NOT ENTRAIN TROWEL FINISHED FLOORS)

MAXIMUM AGGREGATE SIZE	AIR CONTENT
2 in	4% TO 6.5%
1.5 in	4% TO 7%
1 in	4.5% TO 7%
0.75 in	4 50/ TO 70/

- 5. LEVELING GROUT: NON-SHRINK, ASTM C1107, 5,000 PSI MINIMUM 2-DAY COMPRESSIVE STRENGTH.
- ASTM A615, GRADE 60 WELDED REINFORCING BARS: ASTM A706 AND AWS D1.4. WELDED WIRE FABRIC: ASTM A1064, FLAT SHEETS
- 7. REINFORCING BAR FABRICATION: ACI 318 FOR HOOKS AND BENDS UNO
- 8. SECURE REINFORCEMENT: PROVIDE ACCESSORIES, CHAIRS, SPACERS, AND SUPPORTS.
- 9. LAP SPLICES: ACI-318 CLASS "B" TENSION LAP UNO.
- 10. REINFORCING BAR CLEAR COVER UNO:
- A. CONCRETE NOT EXPOSED TO EARTH OR WEATHER: SLABS AND WALLS = 3/4" ALL OTHER = 1 1/2"
- 11. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING IN WALLS AND FOOTINGS.
- 12. CONCRETE TESTING:
- A. (1) COMPOSITE SAMPLE FOR SLAB-ON-DECK.
- 13. ELEVATED SLABS: ADJUST CONCRETE QUANTITIES TO MAINTAIN A LEVEL SLAB SURFACE AT REQUIRED ELEVATIONS TO ACCOMMODATE SUPPORT DEFLECTIONS.
- 14. ADHESIVE ANCHORS: LOCATE AWAY FROM REBAR. HILTI RE500; POWERS PE1000+; SIMPSON SET.
- 15. STRUCTURAL THERMAL BREAK:
- A. GENERAL PLASTICS, LAST-A-FOAM, R9300: LOCATE THERMAL BREAK BETWEEN SUBSTRATE AND MASONRY. 4" MINIMUM UNO. ADHERE TO CONCRETE. 350 PSI MINIMUM, 500 PSI MINIMUM, 1000 PSI. MINIMUM. 1500 PSI MINIMUM 2100 PSI MINIMUM COMPRESSIVE STRENGTH. B. FABREEKA TIM RF SERIES: LOCATE THERMAL BREAK BETWEEN SUBSTRATE AND MASONRY 4" MINIMUM UNO. ADHERE TO CONCRETE. 640 PSI MINIMUM, 1020 PSI MINIMUM, 2150 PSI
- **MINIMUM** COMPRESSIVE STRENGTH. C. APPROVED EQUIVALENT, XXXX PSI MINIMUM COMPRESSIVE STRENGTH.
- 16. **SHOP DRAWINGS:** SUBMIT PRIOR TO CONSTRUCTION FOR REINFORCING STEEL; CONCRETE MIX DESIGNS; PROPOSED CONSTRUCTION JOINT LOCATIONS FOR CONCRETE ELEMENTS INCLUDING WALLS, FOOTINGS, ELEVATED SLABS, AND TOPPING.

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.
- COORDINATE WORK WITH OWNER'S TESTING AND SPECIAL INSPECTION REPRESENTATIVE.
- . PREFABRICATED ITEMS SHALL BE MANUFACTURED BY APPROVED AND CERTIFIED SHOPS. . REFERENCE BCNYS CHAPTER 17 FOR DEFINITION OF "CONTINUOUS" AND "PERIODIC". REFERENCE AISC 360 CHAPTER N FOR DEFINITION OF "PERFORM" AND "OBSERVE".
- REFERENCE ACI 530 FOR DEFINITION OF "CONTINUOUS" AND "PERIODIC".
- REFERENCE SDI QA/QC FOR DEFINITION OF "PERFORM AND "OBSERVE". CAST-IN-PLACE CONCRETE

CASI-IN-PLACE CONCRETE			
INSPECT REINFORCEMENT AND VERIFY PLACEMENT	PERIODIC	ACI 318: CH. 20, 20.5 25.3, 26.6.1-26.6.3	1908.4
2. REINFORCING BAR WELDING: a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706 b. INSPECT SINGLE PASS FILLET WELDS, MAXIMUM 5/16" c. INSPECT ALL OTHER WELDS	PERIODIC PERIODIC CONTINUOUS	AWS D1.4 ACI 318:26.6.4	
3. INSPECT ANCHORS IN CONCRETE	PERIODIC	ACI 318: 17.8.2	
4 INSPECT ANCHORS POST -INSTALLED IN HARDENED CONCRETE MEMBERS a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	CONTINUOUS	ACI 318:17.8.2.4	
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.	PERIODIC	ACI 318: 17.8.2	
5. 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
6. 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
7. INSPECT CONCRETE FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	ACI 318:26.5	1908.6, 1908.7,

OBSERVE

OBSERVE

OBSERVE

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AWS D1.1

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AISC 360

CHAPTER N

STEEL CONSTRUCTION (REFERENCE AISC 360 CHAPTER N)

. INSPECTION TASKS PRIOR TO WELDING:

A. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE.	PERFORM
B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES	PERFORM
AVAILABLE.	
C. MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE
D. WELDER IDENTIFICATION SYSTEM	OBSERVE
E. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)	OBSERVE
F. CONFIGURATION AND FINISH OF ACCESS HOLES	OBSERVE
G. FIT-UP OF FILLET WELDS	OBSERVE
2. INSPECTION TASKS DURING WELDING:	
A. USE OF QUALIFIED WELDERS	OBSERVE
B. CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE

- E. WPS FOLLOWED F. WELDING TECHNIQUES 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

C. NO WELDING OVER CRACKED TACK WELDS

D. ENVIRONMENTAL CONDITIONS

- 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 . INSPECTION TASKS PRIOR TO BOLTING: A. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIAL S
- B. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS. C. PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) D. PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL E. CONNECTING ELEMENTS. INCLUDING THE APPROPRIATE FAYING
- SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS. F. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER
- ASSEMBLIES AND METHODS USED G. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS 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:

A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS

- 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

- POST INSTALLED ANCHORS IN MASONRY AND CONCRETE ANCHOR SIZE AND EMBEDMENT AND HOLE CLEANING (ALL) PERIODIC HOLE CLEANING AND PREPARATION (ADHESIVE) CONTINUOUS MANUFACTURER'S ACI318 AND . OVERHEAD APPLICATIONS (ALL) CONTINUOUS INSTALLATION **ESR REPORT** CONTINUOUS . HORIZONTAL ANCHORS SUPPORTING SUSTAINED TENSION (ADHESIVE) INSTRUCTIONS ADDITIONAL INSPECTION PER MANUFACTURER'S ESR REPORT CONTINUOUS MASONRY CONSTRUCTION REQUIREMENTS FOR LEVEL B SPECIAL INSPECTION & TESTING PERIODIC ACI 530.1: VERIFY COMPLIANCE WITH APPROVED SUBMITTALS: ART. 1.5
- ACI REFERENCE: VERIFY THE FOLLOWING DURING CONSTRUCTION 530.1: ART. 2.1,2.6A PERIODIC A. PROPORTIONS OF SITE PREPARED MORTAR. 530.1: ART. 3.3B PERIODIC B. CONSTRUCTION OF MORTAR JOINTS 530.1: ART. 2.4B,2.4H PERIODIC C. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES 530.1: ART. 3.4,3.6A PERIODIC D. LOCATION OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING **TENDONS AND ANCHORAGES** PERIODIC E. PRESTRESSING TECHNIQUE 530.1: ART. 3.6B CONTINUOUS F. PROPERTIES OF THIN-BED MORTAR FOR ACC MASONRY 530.1: ART. 2.1C (PERIODIC AFTER FIRST 5,000 SF OF AAC)
- 3. VERIFY THE FOLLOWING PRIOR TO GROUTING: ACI REFERENCE A. GROUT SPACE PERIODIC 530.1: ART. 3.2D,3.2F B. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, PERIODIC 530.1: ART. 2.4,3.4 AND ANCHORAGE C. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHORAGES | PERIODIC 530.1: ART. 3.2E,3.4,3.6A D. PROPORTIONS OF SITE-PREPARED GROUT E. PROPER CONSTRUCTION OF MORTAR JOINTS PERIODIC 530.1: 2.6B,2.4G.1.B
- PERIODIC 530.1: ART. 3.3B ACI REFERENCE 4. VERIFY THE FOLLOWING DURING CONSTRUCTION: A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS PERIODIC ACI530.1: ART. 3.3F B. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS | PERIODIC ACI530: SEC OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES 1.2.1(E), 6.1.4.3, 6.2.1
- OR OTHER CONSTRUCTION C. WELDING OF REINFORCEMENT CONTINUOUS ACI530: SEC 8.1.6.72 D. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY ACI530.1: ART. 1.8C DURING COLD WEATHER (BELOW 40) OR HOT WEATHER (ABOVE 90) ACI530.1: ART. 3.6B CONTINUOUS ACI530.1: ART. 3.5, E. PLACEMENT OF ACC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS CONTINUOUS 3.6C ACI530.1: ART.
- PERIODIC 1.4B.2.A-C.3, 1.4B.3-4 PERIODIC ACI 530.1: ART. 1.4 OBSERVE GROUT SPECIMEN PREPARATION.
- STEEL DECK INSTALLATION INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT A. VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK PERFORM ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS
- PERFORM B. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES . INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT PERFORM A. VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS B. VERIFY DECK MATERIALS ARE REPRESENTED BY MILL CERTIFICATIONS | PERFORM
- THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS C. DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK PERFORM AND DECK ACCESSORIES . INSPECTION OR EXECUTION TASKS PRIOR TO WELDING OBSERVE A. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE B. MANUFACTURER CERTIFICATION FOR WELDING CONSUMABLES OBSERVE
- AVAII ABI F C. MATERIAL IDENTIFICATION (TYPE/GRADE) OBSERVE OBSERVE D. CHECK WELDING EQUIPMENT SDI QA/QC INSPECTION OR EXECUTION TASKS DURING WELDING **QUALITY CONTROL** A. USE OF QUALIFIED WELDERS OBSERVE AND QUALITY B. CONTROL AND HANDLING OF WELDING CONSUMABLES OBSERVE ASSURANCE FOR C. ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMP)
- A. VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, PERFORM SIDELAP. AND PERIMETER WELDS B. WELDS MEET VISUAL ACCEPTANCE CRITERIA PERFORM C. VERIFY REPAIR ACTIVITIES PERFORM D. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS PERFORM 6. INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING
- OBSERVE A. MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS OBSERVE B. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION OBSERVE C. PROPER STORAGE FOR MECHANICAL FASTENERS INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING OBSERVE A. FASTENERS ARE POSITIONED AS REQUIRED
- B. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S OBSERVE INSTRUCTIONS 8. INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING A. CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS | PERFORM B. CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS PERFORM
- C. CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER PERFORM **FASTENERS** D. VERIFY REPAIR ACTIVITIES PERFORM E. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL PERFORM **FASTENERS**
- INSTALLATION OF OBSERVE STEEL DECK 5. INSPECTION TASKS AFTER WELDING
 - CNDITIONS AFFECTING THE NATURE AND MANNE OF THEIR WORK INCLUDING VERIFICATION OF ALL DIMENSIONS LOCATING EXISTING, PROPOSED AND/OR NEW WORK AND CONDITIONS. REVISIONS: Date Description
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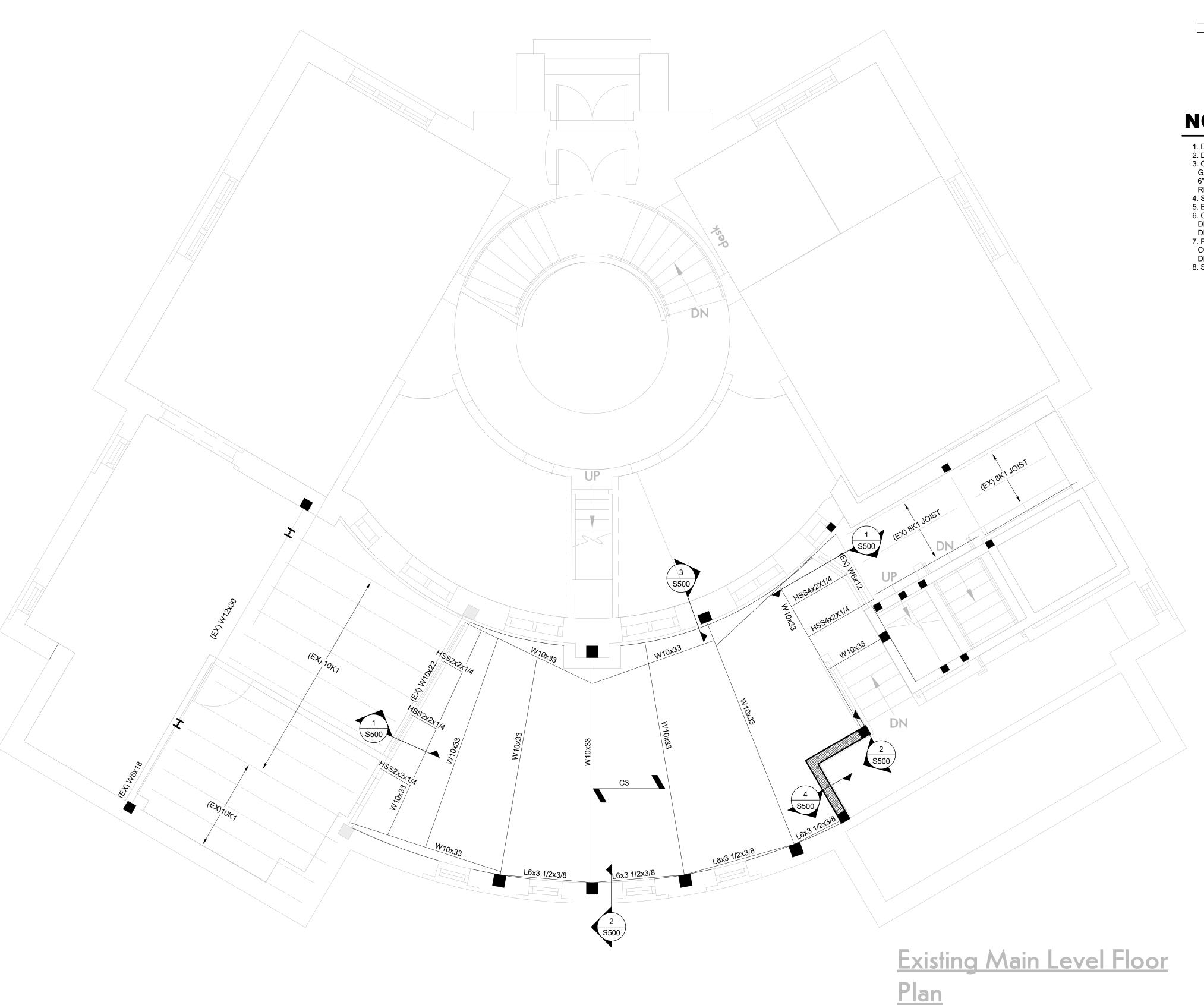
0323.06 PROJECT NUMBER: 7,09/20/10 SSUE DATE:

> **GENERAL NOTES**

DRAWN BY

SHEET TITLE:

SHEET NUMBER:



LEGEND

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

DENOTES MOMENT CONNECTION SXXX

- DENOTES FRAMED OPENING. COORDINATE SIZE AND LOCATION WITH ARCHITECTURAL AND MECHECHANICAL DRAWINGS

NOTES

- 1. DATUM ELEVATION = 0'-0"
- 2. DECK BEARING = +10'-1 1/2"
 3. 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"-W2.9W2.9 WWF OR 4 LBS/CY FORTA-FERRO (FORTA) MACRO-FIBER REINFORCING.
- 4. SECTIONS INDICATED ARE TYPICAL FOR SIMILAR CONDITIONS.
- 5. BEAMS ARE EQUALLY SPACED UNLESS NOTED OTHERWISE. 6. COORDINATE FLOOR OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. OPENINGS NOT INDICATED ON PLANS SHALL CONFORM TO TYPICAL
- DETAIL REQUIREMENTS. 7. PROVIDE A MINIMUM 1/4" ANGLE OR BENT PLATE AT SLAB PERIMETERS UNO. COORDINATE ANGLE OR PLATE OVERHANG DIMENSIONS WITH ARCHITECTURAL
- 8. SPLICE BEAMS AS REQUIRED FOR INSTALL. SEE S500 FOR TYPICAL DETAIL



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Design Develpment Warsaw Public Library 130 North Main Street, Warsaw, New York

0323.06 PROJECT NUMBER:

7,12/01/19

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STRUCTURAL

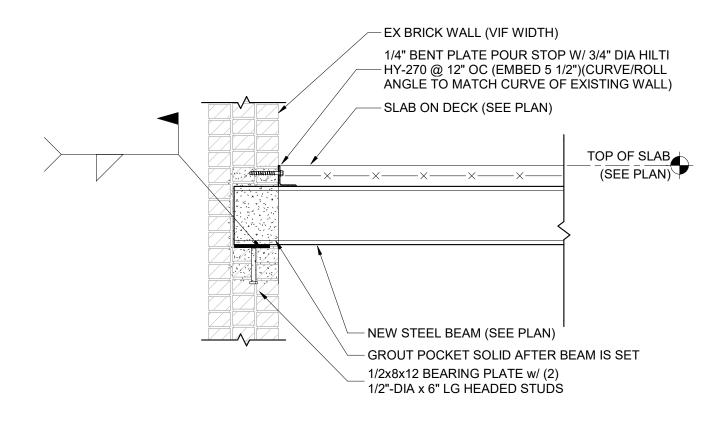
PLANS

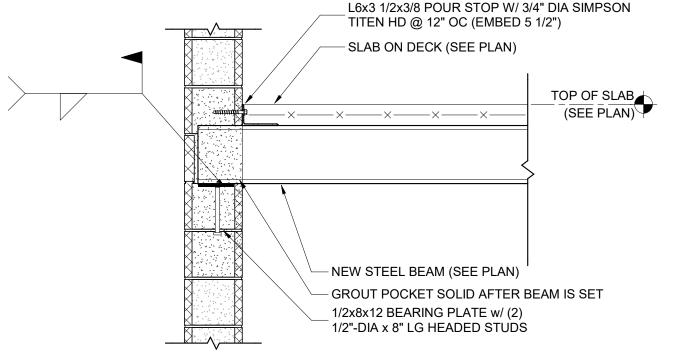
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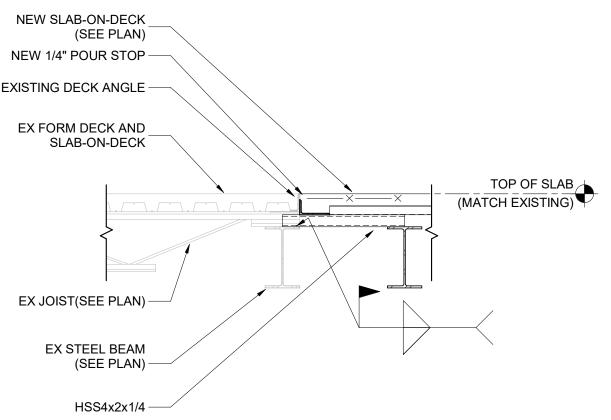
S101

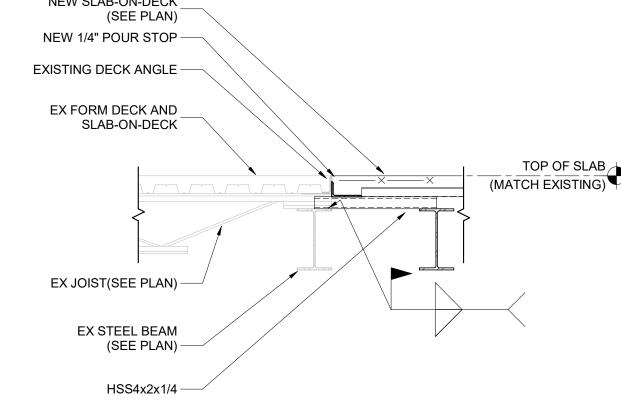
1 PARTIAL FLOOR FRAMING PLAN

1/4" = 1'-0"



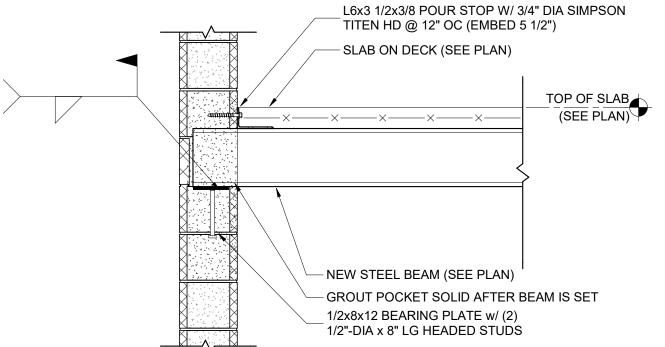




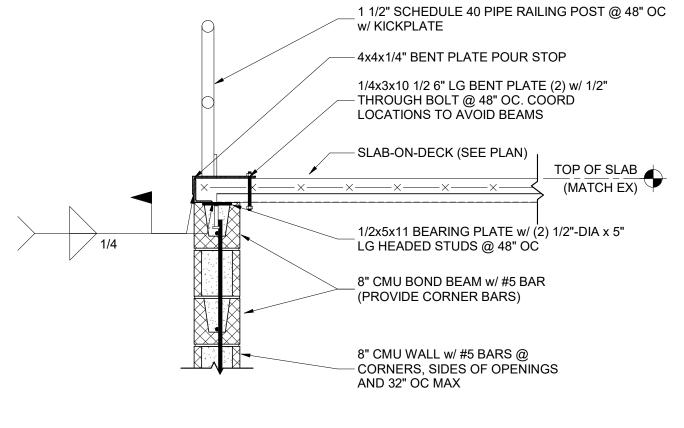


1 SLAB-ON-DECK 3/4" = 1'-0"

3 INSIDE AT BRICK FACADE



2 NEW MASONRY BEAM POCKET 3/4" = 1'-0"



4 HANDRAIL DETAIL 3/4" = 1'-0"

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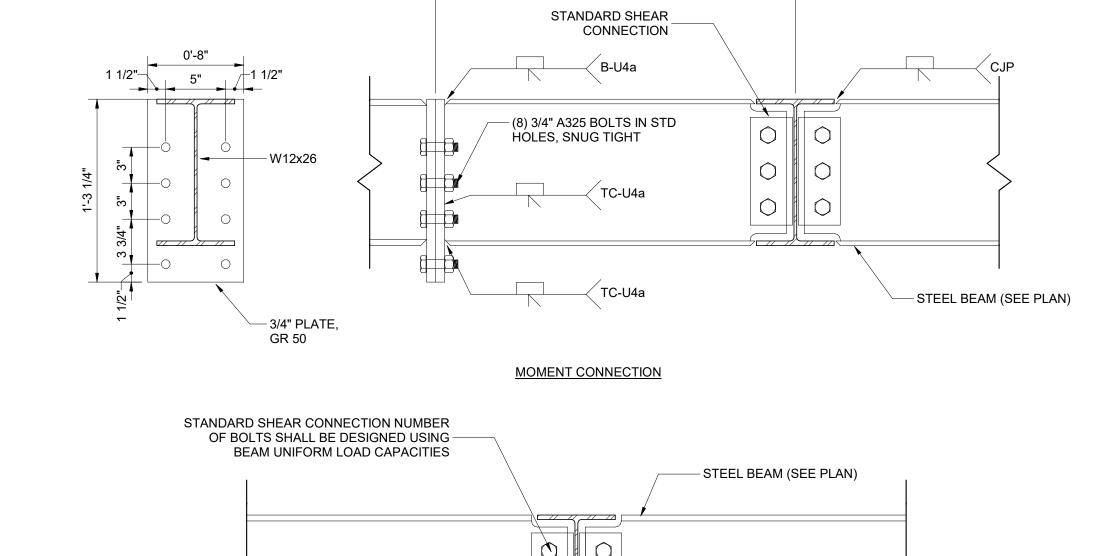
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DETAILS

SHEET NUMBER:

S500

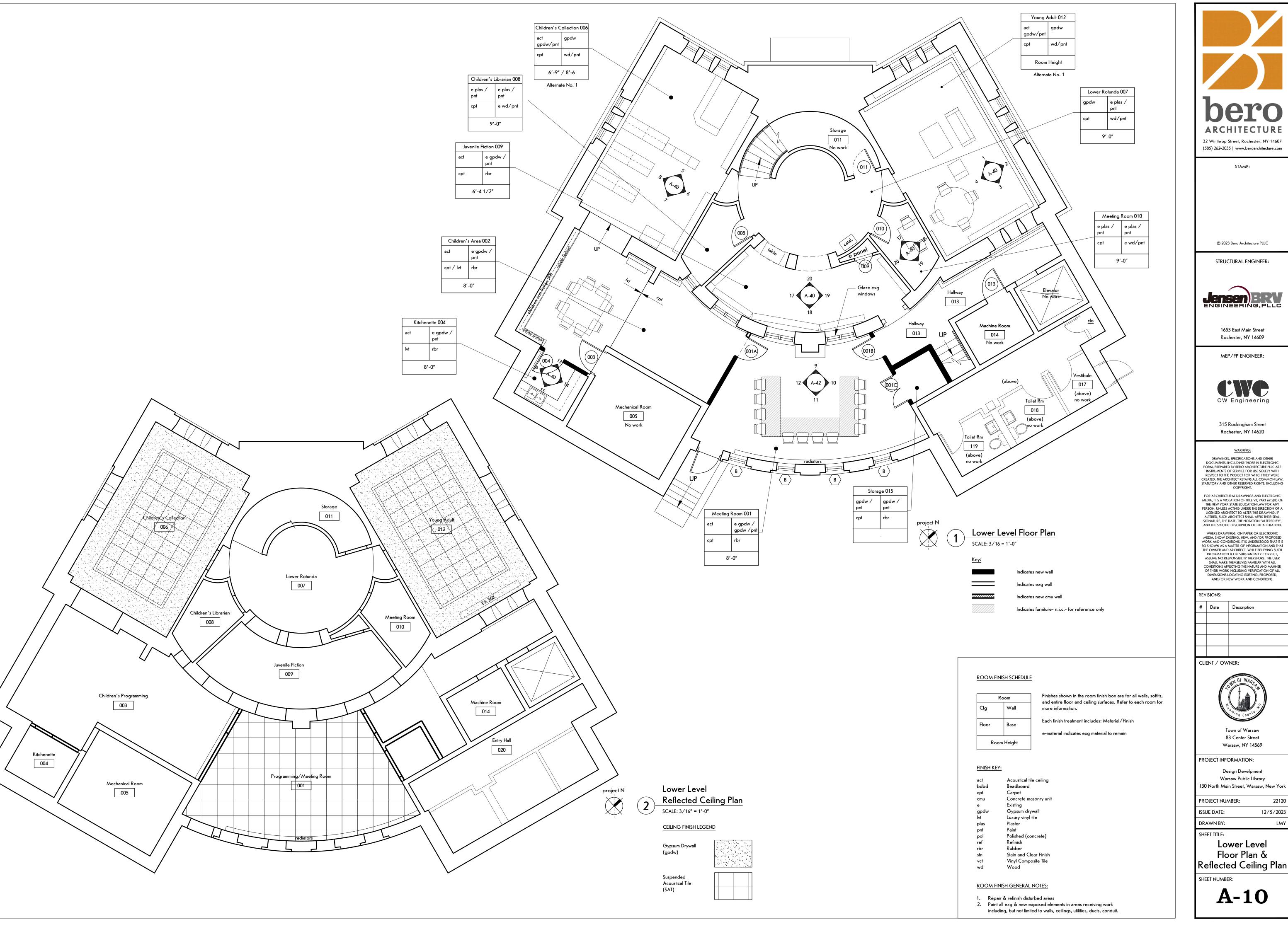


SIMPLE CONNECTION

6 SPLICE DETAIL
1 1/2" = 1'-0"

— 3/4"DIA. A325 BOLTS

2'-6"





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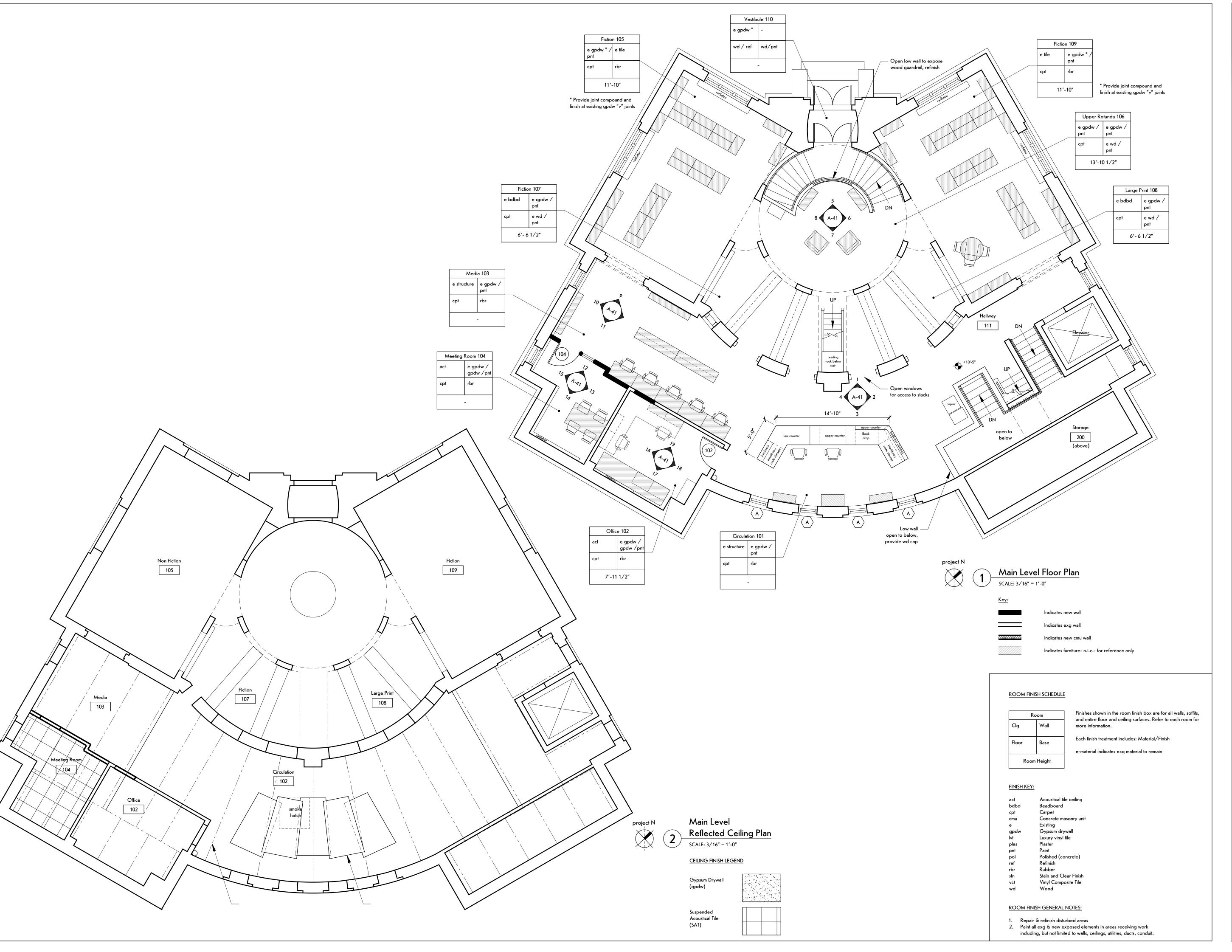
PROJECT NUMBER: 12/5/2023 ISSUE DATE:

DRAWN BY: SHEET TITLE:

Lower Level Floor Plan &

SHEET NUMBER:

A-10





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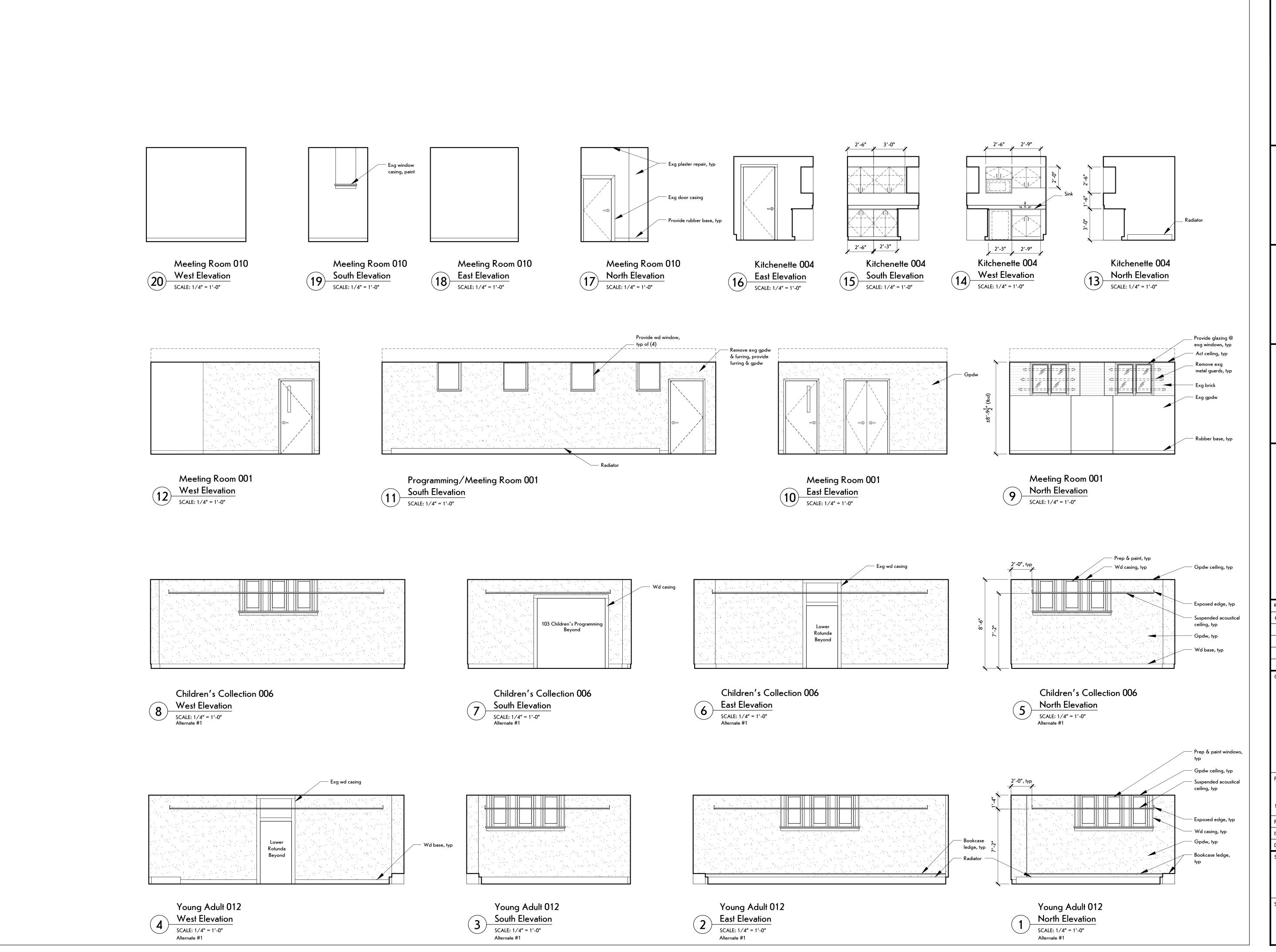
130 North Main Street, Warsaw, New Yorl PROJECT NUMBER:

12/5/2023 ISSUE DATE: DRAWN BY:

SHEET TITLE:

Main Level Floor Plan & Reflected Ceiling Plan

SHEET NUMBER:



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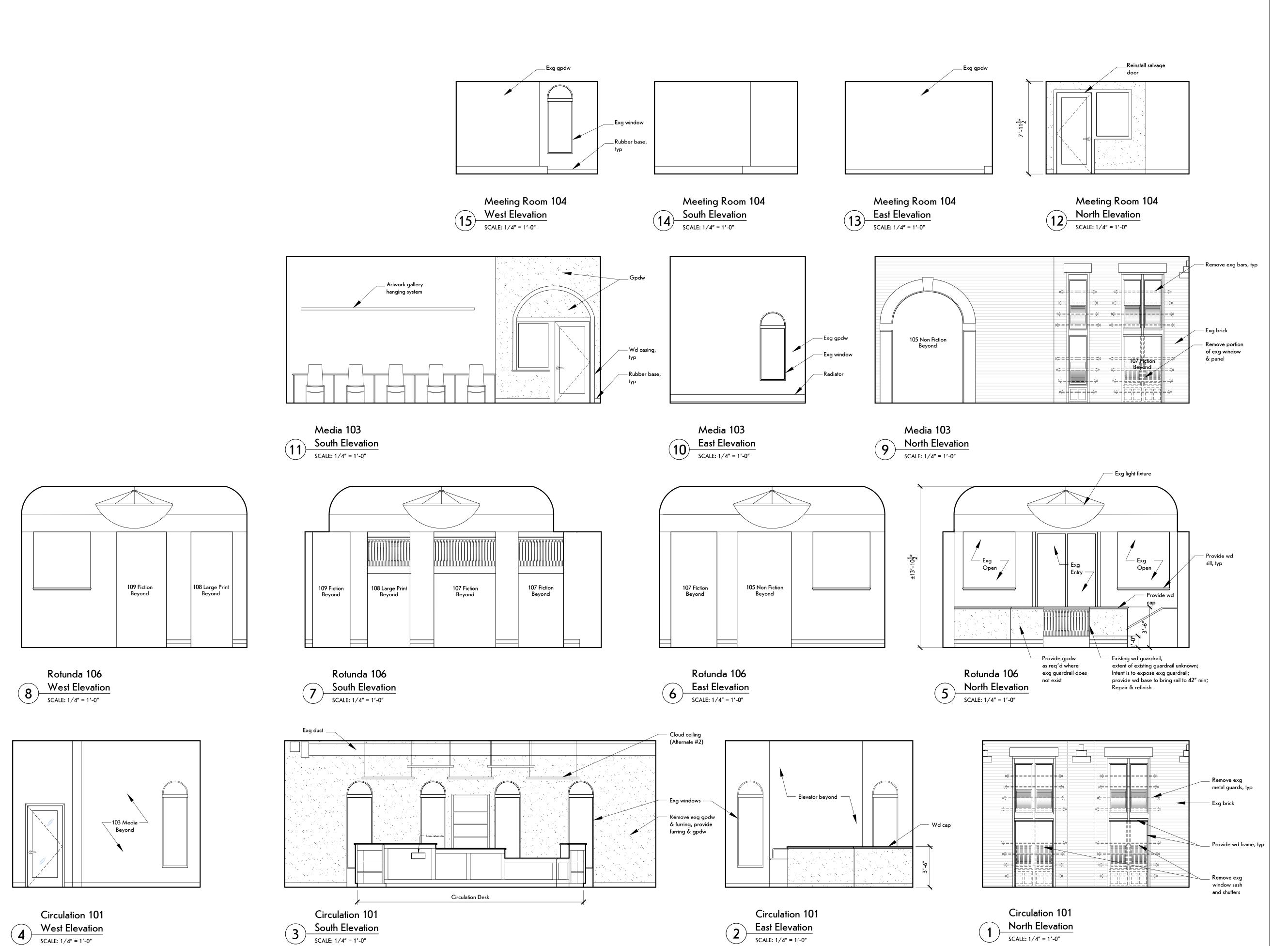
PROJECT NUMBER: 22120
ISSUE DATE: 12/5/2023

DRAWN BY: SHEET TITLE:

Lower Level Interior Elevations

SHEET NUMBER:

A-40



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Date Description



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Design Develpment Warsaw Public Library 130 North Main Street, Warsaw, New York

PROJECT NUMBER: 22120
ISSUE DATE: 12/5/2023

DRAWN BY: SHEET TITLE:

Main Level
Interior Elevations

SHEET NUMBER:

A-41