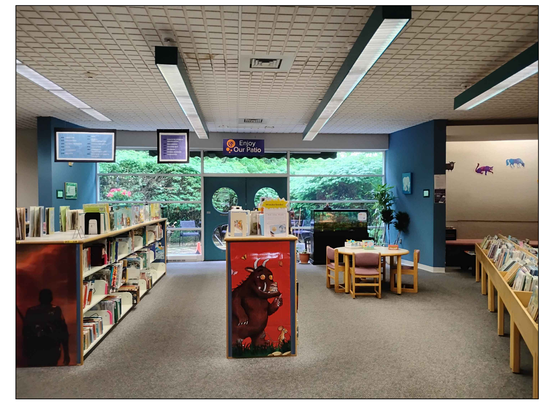
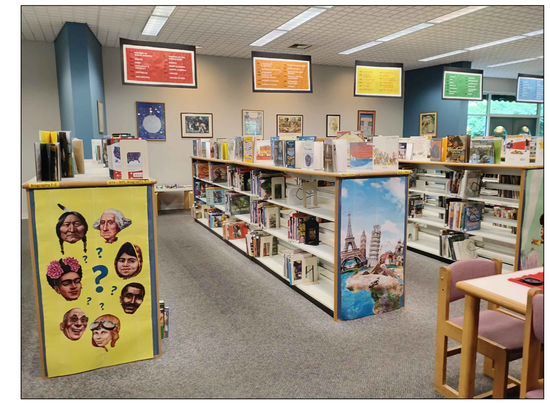
Wissahickon Public Library Renovation





AUGUST 21 , 2026

DESIGN TEAM

ARCHITECT:

Albert M. Comly Jr.

STRUCTURAL ENGINEER:

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1255 Drummers Lane,
Suite 201
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DRAWING LIST

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A-101	FIRST FLOOR PLAN
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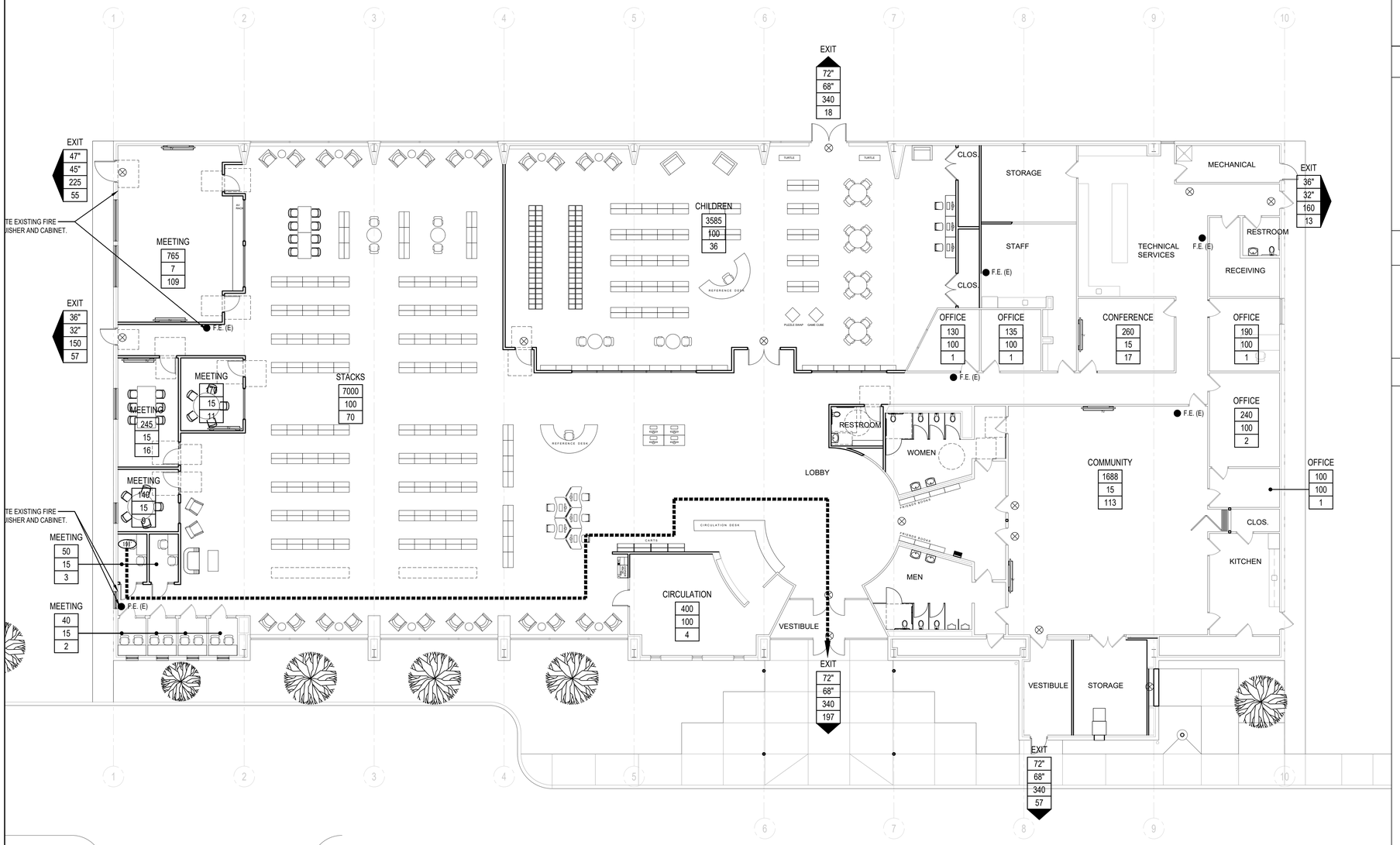
E-201	DETAILS & SCHEDULES

BID DOCUMENTS



1 FLOOR PLAN

SCALE= 3/32" = 1'-0"

LIST OF APPLICABLE CODES

INTERNATIONAL CODE COUNCIL (ICC) MODEL CODES, INCLUDING:

-INTERNATIONAL BUILDING CODE (IBC), 2021 EDITION
-INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2021 EDITION
-INTERNATIONAL MECHANICAL CODE (IMC), 2021
-INTERNATIONAL PLUMBING CODE, 2021
-INTERNATIONAL FUEL GAS CODE (IFGC), 2021
-INTERNATIONAL FIRE CODE, 2021
-NATIONAL ELECTRICAL CODE (NEC), 2020
-INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2021
-INTERNATIONAL ACCESSIBILITY CODE (IBC), 2015 EDITION
-BARRIER-FREE SUBCODE AND ANSI A117.1-2009

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) INCLUDING:

-NFPA 13
-NFPA 72

NOTE: RECOMMENDED PRACTICES AND APPENDICES WITHIN NFPA DOCUMENTS SHALL BE CONSIDERED REQUIREMENTS. WHERE CONFLICTS ARISE BETWEEN ICC MODEL CODES AND NFPA DOCUMENTS, THE MOST STRINGENT SHALL APPLY.

EGRESS SYMBOLS

EGRESS SIGNAGE

CEILING MOUNTED EXIT LIGHT
WALL MOUNTED EXIT LIGHT
EXIT DIRECTION INDICATORS

OCCUPANT LOAD PER ROOM

XX — AREA (NSF) OF ROOM
XX — AREA PER OCCUPANT (BY CODE)
XX — OCCUPANT LOAD

EGRESS DOOR CAPACITY

36" — DOOR SIZE
34" — CLEAR DOOR WIDTH
227 — MAX ALLOWABLE LOAD
57 — ACTUAL LOAD

DISTANCE TO MEANS OF EGRESS

XX — PRIMARY MEANS OF EGRESS
XX — SECONDARY MEANS OF EGRESS
AR — ACCESSIBLE ROUTE

MISCELLANEOUS SYMBOLS

NEW SINGLE OR DOUBLE DOOR, EACH LEAF OF ALL NEW DOORS ARE 3'-0" WIDE UNLESS INDICATED OTHERWISE

EXISTING SINGLE OR DOUBLE DOOR

F.E. FIRE EXTINGUISHER IN SEMI RECESSED CABINET, TYPE 4A 80BC
(E) = EXISTING

IBC 2021

BUILDING USE (303.1):	EXISTING USE: A-3
CONSTRUCTION TYPE (602.3):	TYPE IIIB, PRIMARY STEEL STRUCTURAL FRAME, NON-RATED
SPRINKLER SYSTEM:	FULLY (EXISTING)
HEIGHT LIMITATIONS (506.2):	3 STORIES, 75 FEET
ACTUAL HEIGHT:	1 STORY, 15'-6"
AREA LIMITATIONS (506.2):	38,000 SF
ACTUAL AREA:	22,310 SF
NUMBER OF EXITS (1006.2.1):	2 EXITS FROM ANY SPACE WITH GREATER THAN 50 OCCUPANTS
EGRESS CAPACITY (1005.3.2):	.2" FOR STAIRWAYS FOR BUILDINGS WITH SPRINKLERS .2" FOR ALL OTHER EGRESS COMPONENTS
OCCUPANT LOAD (1004):	LIBRARY STACK AREA 100 SF PER PERSON LIBRARY READING ROOM 50 SF PER PERSON MEETING ROOMS - 7 SF PER PERSON (CHAIRS) 15 SF PER PERSON (CHAIRS AND TABLES. OFFICE - 100 SF PER PERSON
MAXIMUM TRAVEL DISTANCE TO EXIT (1017.2):	250'-0"
MAXIMUM TRAVEL DISTANCE TO FIRE EXTINGUISHER (906.3(1):	75'-0"
FIRE ALARM (907.2.1):	MANUAL REQUIRED [DOES THIS EXIST???]
DEAD END LIMITATIONS (1018.4):	20'-0"
EXIT DOOR HARDWARE (1010.2.9.):	PANIC HARDWARE IS REQUIRED.
EXIT DOOR SWING (1010.1.2.1):	SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL

IEBC

ALTERATION LEVEL 2
6,500 SF
INSTALLATION OF NEW PARTITIONS, RESTROOM, AND FINISHES. CONSTRUCTION OF NEW ENTRANCE CANOPY.

ALTERATION LEVEL 1
15,500 SF
REPLACEMENT OF EXISTING INTERIOR FINISHES AND SOME DOORS. RECLADDING OF PRIMARY FACADE.

IBC PLUMBING CODE

PLUMBING FIXTURE REQUIREMENTS:
(BASED ON OCCUPANT LOAD OF BUILDING = 407 OCCUPANTS = 203 MALES, 204 FEMALES)

WATER CLOSETS	1 FOR 125 MALE OCCUPANTS 1 FOR 65 FEMALE OCCUPANTS 2 MALE REQUIRED = 5 PROVIDED 3 FEMALE REQUIRED = 4 PROVIDED 1 UNISEX PROVIDED
LAVATORIES:	1 FOR 200 OCCUPANTS 3 REQUIRED = 5 PROVIDED
DRINKING FOUNTAINS:	1 PER 500 OCCUPANTS 1 REQUIRED = 1 PROVIDED
SERVICE SINK	1 REQUIRED, 0 PROVIDED - NOT REQUIRED TO UPGRADE PER IEBC

AmC Jr.
ALBERT M. COMLY JR.
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DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

CODE PLAN

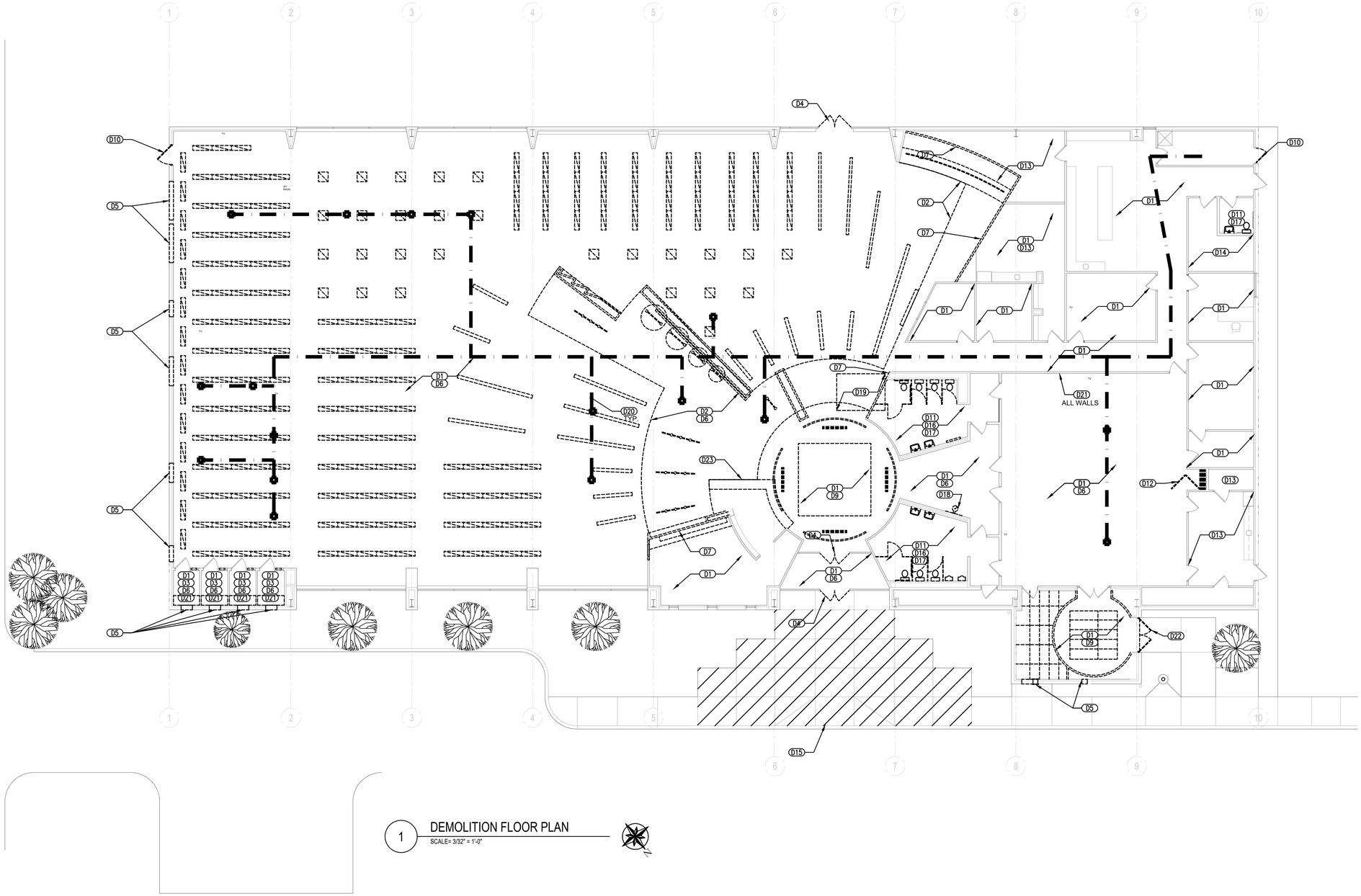
SCALE AS NOTED
DRAWN
CHECKED
APPROVED
DATE AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

G-101
BID DOCUMENTS



1 DEMOLITION FLOOR PLAN

SCALE= 3/32" = 1'-0"

GENERAL NOTES:

1. REMOVE ALL LOOSE TRASH, INSECT NESTS, ANIMAL MATERIALS AND DEBRIS. FINAL BUILDING CONDITION SHALL BE BROOM CLEAN AFTER ALL REMOVALS ARE COMPLETED. DO NOT DISCARD ANY MATERIALS TO REMAIN.
2. ALL ELEMENTS SHOWN AS DASHED LINES SHALL BE CAREFULLY REMOVED. ALL ADJACENT EXISTING SURFACES SHALL BE PROTECTED FROM DAMAGE.
3. BURNING OF REMOVED MATERIALS ON PROJECT SITE IS NOT PERMITTED. ALL REMOVAL MATERIALS SHALL BE TRANSPORTED AND REMOVED FROM SITE BY LEGAL MEANS AND DISPOSED OF IN A LEGAL MANNER OFF SITE.
4. CONTRACTOR TO INSTALL ALL SHORING REQUIRED TO SUPPORT CONSTRUCTION DURING DEMOLITION PHASE.
5. FREE STANDING FURNITURE AND LIBRARY SHELVING TO BE KEPT SHALL BE REMOVED UNDER SEPARATE CONTRACT. UNWANTED FURNITURE ITEMS LEFT IN THE BUILDING ARE TO BE DISPOSED OF. AMOUNT OF LOOSE ITEMS WILL BE SEEN DURING PRE-BID WALK THROUGH.
6. CONTRACTOR SHALL REMOVE ALL EXISTING CARPETING AND UNDERLAYMENT DOWN TO EXISTING SLAB IN ALL SPACES UNLESS NOTED OTHERWISE.
7. ALL EXISTING LIGHTING TO BE REMOVED.
8. REMOVE AND SALVAGE ALL EXISTING SIGNAGE FOR REINSTALLATION.

DEMOLITION NOTES:

- D1 CAREFULLY REMOVE EXISTING CARPET FLOORING, RUBBER BASE, UNDERLAYMENT AND ASSOCIATED TRIM ACCESSORIES AND ATTACHMENTS DOWN TO EXISTING SLAB.
- D2 REMOVE EXISTING LOWER DRYWALL CEILING SYSTEM.
- D3 REMOVE EXISTING LAMINATE COUNTER TOPS. SUPPORTS MAY STAY FOR INSTALLATION OF NEW COUNTER IF IN REUSABLE CONDITION.
- D4 CAREFULLY REMOVE EXISTING DOOR AND ASSOCIATED HARDWARE. EXISTING STOREFRONT TO REMAIN.
- D5 SAWCUT EXISTING MASONRY WALL TO INSTALL NEW OPENING. PATCH TO MATCH EXISTING FINISHES.
- D6 REMOVE EXISTING CEILING TILES. CEILING GRID TO REMAIN.
- D7 REMOVE EXISTING PARTITION WALL.
- D8 CHANNEL CONCRETE SLAB FOR INSTALLATION OF ELECTRICAL CONDUIT.
- D9 REMOVE EXISTING ACT CLOUD CEILING AND ALL ASSOCIATED COMPONENTS.
- D10 REMOVE EXISTING DOOR AND HARDWARE. FRAME TO REMAIN.
- D11 REMOVE EXISTING TILE FLOORING AND BASE DOWN TO EXISTING SLAB.
- D12 REMOVE EXISTING FOLDING PARTITION WALL.
- D13 REMOVE EXISTING VCT FLOORING AND BASE DOWN TO EXISTING SLAB.
- D14 ALL FURNITURE AND MATERIALS IN ROOM TO REMAIN.
- D15 REMOVE EXISTING SIDEWALK.
- D16 REMOVE ALL WALLPAPER.
- D17 REMOVE EXISTING PLUMBING FIXTURES, TOILET PARTITIONS, AND RESTROOM ACCESSORIES. PATCH WALLS AS REQUIRED FOR NEW FINISHES.
- D18 REMOVE EXISTING DRINKING FOUNTAIN AND DECORATIVE CIRCLE BOARD. PATCH WALL AS REQUIRED FOR NEW FINISHES.
- D19 REMOVE EXISTING CONCRETE AND ROLLER RINK SLAB AS REQUIRED FOR INSTALLATION OF NEW PLUMBING FIXTURES. PATCH CONCRETE SLAB.
- D20 SAWCUT EXISTING SLAB FOR INSTALLATION OF NEW CONDUIT AND FLOOR BOXES.
- D21 REMOVE EXISTING CHAIR RAIL AND ALL ASSOCIATED COMPONENTS. PATCH WALL AS REQUIRED FOR NEW FINISHES.
- D22 REMOVE EXISTING DOOR AND ALL ASSOCIATED COMPONENTS.
- D23 REMOVE CIRCULATION DESK AND ALL ASSOCIATED COMPONENTS. PATCH WALL AS REQUIRED FOR FINAL PAINT FINISH.

LEGEND:

- EXISTING WALL.
- EXISTING DOOR.
- DEMO WALL.
- DEMO DOOR.
- (D#) DEMO NOTE.

AMCJr.
ALBERT M. COMLY JR.
ARCHITECT

CONSULTANTS

SEAL

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DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

DEMOLITION
FLOOR PLAN

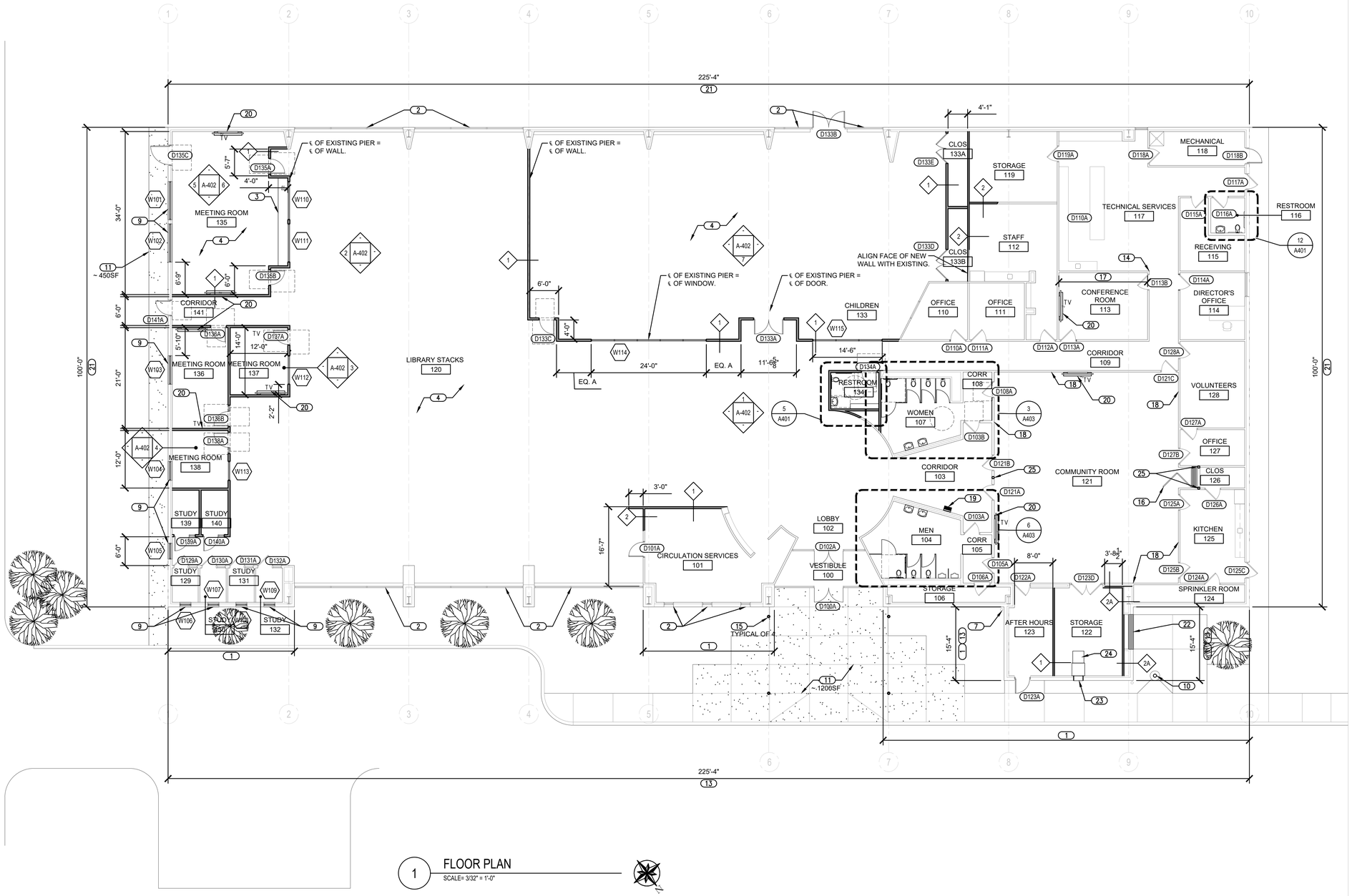
SCALE	AS NOTED
DRAWN	
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

AD-101
BID DOCUMENTS



1 FLOOR PLAN
SCALE= 3/32" = 1'-0"

GENERAL NOTES:

1. DO NOT SCALE THE DRAWINGS.
2. THE DRAWINGS REPRESENT THE GENERAL EXISTING CONDITION AND LAYOUT. THEY DO NOT NECESSARILY REPRESENT A COMPLETE FIELD VERIFIED LAYOUT. THE CONTRACTOR SHALL VERIFY THE LAYOUT AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING.
3. ALL DIMENSIONS ARE TO OUTSIDE FACE OF FINISH MATERIALS.
4. ALL DIMENSIONS SHALL BE CONFIRMED IN THE FIELD PRIOR TO WORK BEING COMPLETED.
5. THE WORK CONSISTS OF RENOVATION OF AN EXISTING STRUCTURE. EXERCISE EXTREME CARE IN ALL ASPECTS OF THE WORK. DO NOT USE METHODS WHICH WILL RESULT IN UNNECESSARY DAMAGE.
6. ALL EXISTING ROOMS SHALL RECEIVE NEW FINISHES (PAINT, CEILINGS, CARPET) UNLESS NOTED OTHERWISE. SEE FINISH SCHEDULE ON SHEET A-602 FOR ADDITIONAL INFORMATION.
7. ALL FURNITURE IS NOT IN CONTRACT UNLESS NOTED OTHERWISE. FURNITURE IS SHOWN FOR INFORMATION PURPOSES ONLY.
8. REMOVE ALL EXISTING BIRD AND INSECT NESTS FROM BUILDING.
9. REMOVE ALL DEBRIS FROM EXISTING GUTTERS AND DOWNSPOUTS.
10. REINSTALL SIGNAGE. COORDINATE LOCATIONS WITH LIBRARIAN.

CONSTRUCTION NOTES:

1. SPOT REPOINT AS REQUIRED. JOINT PROFILE TO MATCH EXISTING. ASSUME 25% OF AREA TO BE REPOINTED.
2. EXISTING WINDOW TO REMAIN. INSTALL BACKER ROD AND SEALANT AT ENTIRE PERIMETER. REMOVE AND INSTALL NEW GLAZING COMPOUND.
3. NEW BASE UNIT CABINETS/ COUNTERTOP.
4. PATCH ALL FINISHES WHERE ELEMENTS HAVE BEEN REMOVED THROUGHOUT EXISTING BUILDING. PAINT TO MATCH ADJACENT SURFACES.
5. EXISTING ROOFING TO REMAIN. REMOVE ALL EXISTING DEBRIS.
6. TPO ROOFING SYSTEM ON CANOPY CONSTRUCTION.
7. EXISTING DOWNSPOUT AND CONDUCTOR HEAD TO REMAIN.
8. POWDER COATED GUTTER AND 3x4 RECTANGULAR ALUMINUM DOWNSPOUT WITH PAINTED CAST IRON BOOT.
9. NEW WINDOW OPENING IN EXISTING MASONRY WALL. SEE STRUCTURAL DRAWINGS FOR LINTEL INFORMATION.
10. EXISTING FLAG POLE TO REMAIN.
11. NEW CONCRETE PAVING.
12. 12" HIGH ALUMINUM LETTERS – SATIN ANODIZED FINISH – FLAT FACE. LETTERS SHALL SET ON PINS ON CANOPY ROOF.
13. NEW EXTERIOR CLADDING SYSTEM.
14. PATCH DAMAGED GWB – 2SF.
15. NEW STEEL TUBE COLUMN, SEE STRUCTURAL DRAWINGS. INSTALL 6" ROUND POWDER COATED COLUMN COLOR.
16. NEW FOLDING WALL PARTITION. BOD – MODERNFOLD PAIRED PANEL ACOUSTI-SEAL LEGACY – STC 50.
17. LAMINATE GWB OVER EXISTING FABRIC WALL FINISH.
18. INSTALL CHAIR RAIL ALONG ENTIRE WALL @ 3'-0" AFF. PROFILE = TR-1.
19. NEW DRINKING FOUNTAIN/ BOTTLE FILLER.
20. PROVIDE BLOCKING IN WALLS FOR WALL MOUNTED TV.
21. REPAINT CMU WALLS. C-10.
22. INFILL EXISTING OPENING WITH CMU TO MATCH EXISTING.
23. INSTALL BOOK DROP OPENING THROUGH EXISTING CMU WALL.
24. THROUGH WALL BOOK DROP CHUTE, CABINET, AND CART. BOD = AMERICAN SECURITY CABINETS EXTRA LARGE THROUGH WALL DOUBLE BOOK AND MEDIA LIBRARY RETURN 910 WITH POWDER COATED BOOK TRUCK.
25. STEEL TUBE COLUMN, SEE STRUCTURAL DRAWINGS. OPEN, REFRAME, AND PATCH WALL AS REQUIRED FOR INSTALLATION.

LEGEND:

- EXISTING WALL.
- EXISTING DOOR.
- NEW WALL.
- NEW DOOR.
- KEY NOTE.
- WINDOW NUMBER. SEE SHEET A-601 FOR INFORMATION
- DOOR NUMBER. SEE SHEET A-601 FOR INFORMATION.
- WALL TYPE. SEE SHEET A-501 FOR INFORMATION.

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PROJECT TITLE

WISSAHICKON LIBRARY INTERIOR IMPROVEMENTS

650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

FLOOR PLAN

SCALE	AS NOTED
DRAWN	
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

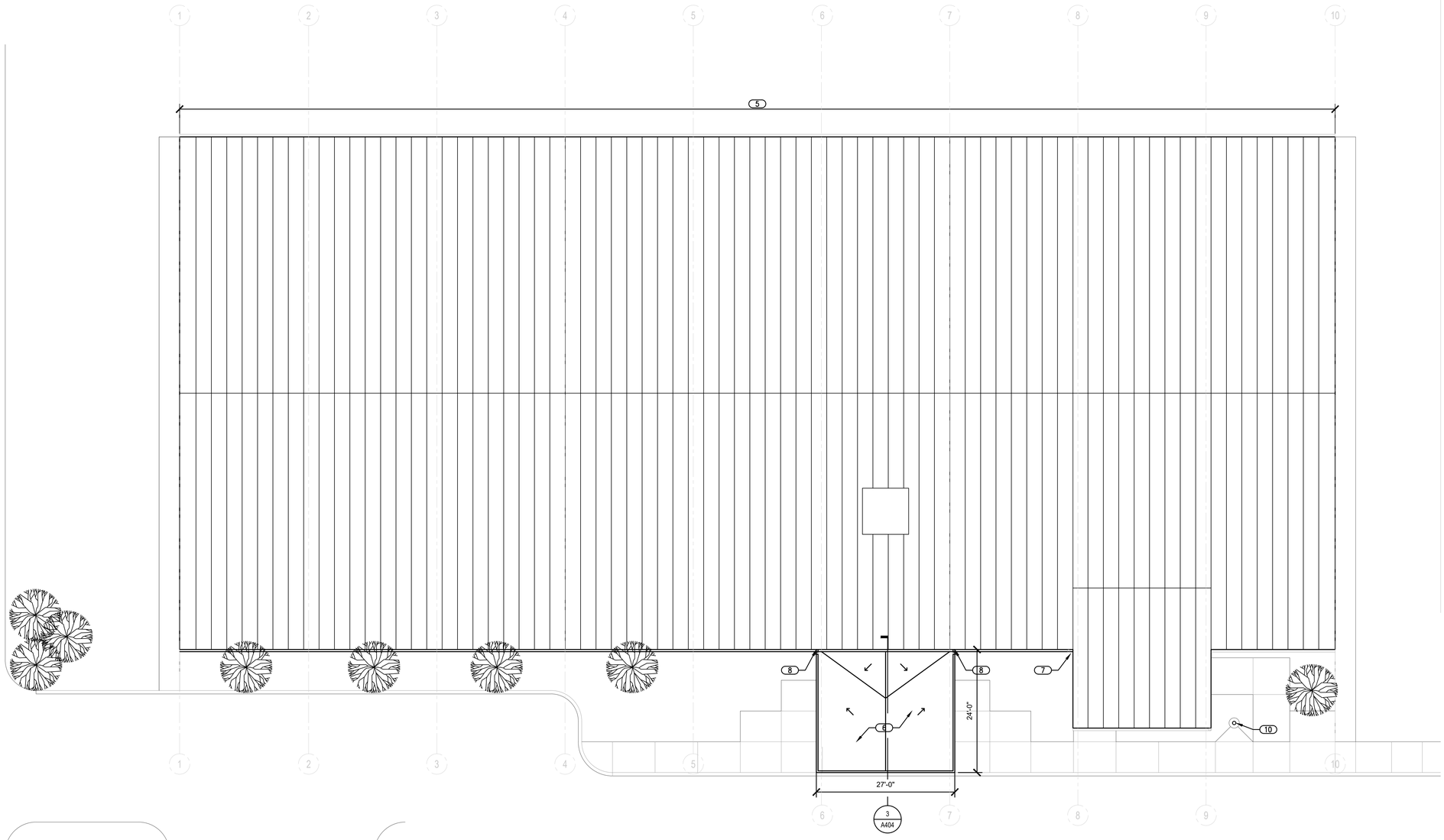
REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

A-101

BID DOCUMENTS



1 FLOOR PLAN

SCALE= 3/32" = 1'-0"

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9. REMOVE ALL DEBRIS FROM EXISTING GUTTERS AND DOWNSPOUTS.
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CONSTRUCTION NOTES:

1. SPOT REPOINT AS REQUIRED. JOINT PROFILE TO MATCH EXISTING. ASSUME 25% OF AREA TO BE REPOINTED.
2. EXISTING WINDOW TO REMAIN. INSTALL BACKER ROD AND SEALANT AT ENTIRE PERIMETER. REMOVE AND INSTALL NEW GLAZING COMPOUND.
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20. PROVIDE BLOCKING IN WALLS FOR WALL MOUNTED TV.
21. REPAINT CMU WALLS. C-10.
22. INFILL EXISTING OPENING WITH CMU TO MATCH EXISTING.

PROJECT NOTES:

1. DIMENSIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE DRAWINGS GENERALLY REFLECT EXISTING CONDITIONS AND DO NOT REPRESENT A COMPLETE AND COMPREHENSIVE SURVEY OF THE EXISTING BUILDING CONDITIONS BY THE ARCHITECT. SCALING THE DRAWINGS MAY RESULT IN SOME DISCREPANCIES. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE DIMENSIONS IN THE FIELD BEFORE PROCEEDING.
2. THE SCOPE OF THE CONTRACT WORK IS DEFINED IN THE CONSTRUCTION DRAWINGS AND PROJECT MANUAL (SPECIFICATIONS). REFERENCE TO BOTH IS REQUIRED.
3. SEQUENCE AND EXECUTION OF THE WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE COORDINATED WITH THE ARCHITECT, OWNER'S REPRESENTATIVE, AND OTHER TRADE CONTRACTORS.
4. THE WORK OF ALL TRADES SHALL CONFORM TO CURRENT APPLICABLE FEDERAL, STATE AND LOCAL ORDINANCES IN FORCE.
5. THE CONTRACTOR SHALL USE ALL NECESSARY PHYSICAL MEANS REQUIRED TO RESTRICT ACCESS AND PROTECT ALL PERSONS IN AND AROUND WORK AREAS. SAFETY DEVICES SHALL BE USED IN CONFORMANCE WITH CURRENT APPLICABLE FEDERAL STATE AND LOCAL BUILDING CODES AND ORDINANCES IN FORCE.
6. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ANY REQUIRED PERMITS.
7. THE CONTRACTOR SHALL EFFECTIVELY PROTECT ALL ADJACENT BUILDING ELEMENTS AND SURFACES FROM DAMAGE FROM ANY CONSTRUCTION ACTIVITY RELATED TO THE COURSE OF THIS WORK. ANY DAMAGE TO THE ADJACENT SURFACES CAUSED BY THE CONTRACTOR'S WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER/OWNER'S REPRESENTATIVE AND ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

SITE ACCESS:

1. ALL EXISTING OWNER UTILITIES AND FIRE PROTECTION SERVICES ARE TO REMAIN ACCESSIBLE AND SERVICEABLE AT ALL TIMES.
2. ALL VEGETATION, TREES, BUSHES, GROUND COVER, ETC. SHALL BE PROTECTED FROM DAMAGE FROM CONSTRUCTION ACTIVITY. THERE SHALL BE NO STORAGE OF MATERIALS BENEATH TREE DRIP LINE OR ON ANY PLANTING AREAS TO REMAIN.
3. THE CONTRACTOR SHALL COORDINATE ON-SITE STORAGE OF EQUIPMENT AND MATERIALS WITH THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING THE WORK. SECURITY FOR EQUIPMENT AND MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR.
4. TEMPORARY PROTECTION, INCLUDING BUT NOT LIMITED TO, FENCING SHALL BE INCLUDED IN THE CONTRACTOR'S WORK.

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WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

ROOF PLAN

SCALE	AS NOTED
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DATE	AUGUST 21, 2026

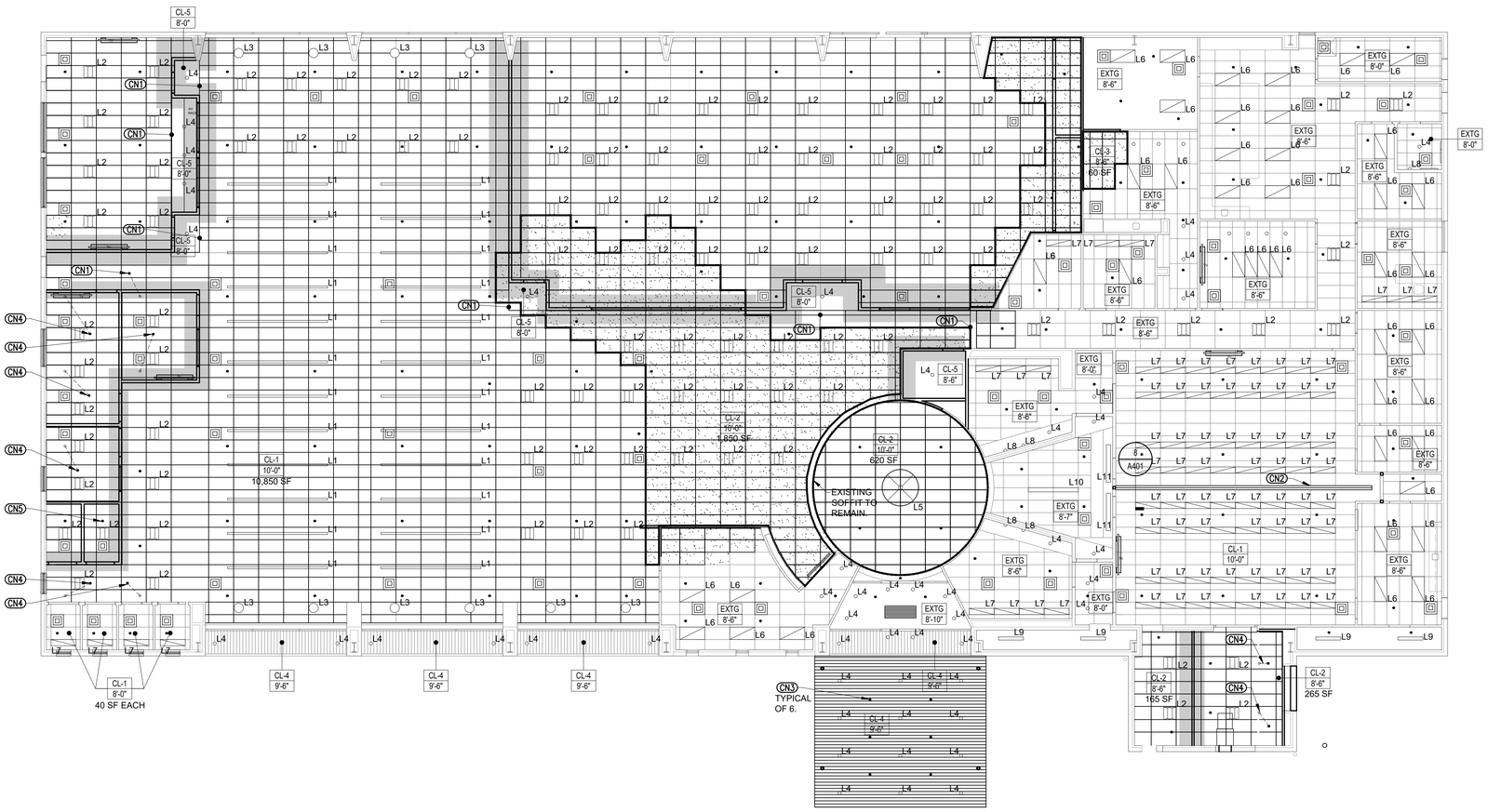
REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

A-102

BID DOCUMENTS



1 FLOOR PLAN

SCALE= 3/32" = 1'-0"

CEILING GENERAL NOTES:

1. CEILING TYPES INDICATED ON THE PLANS AS:

   CL-3 — CEILING TYPE
   10'-1" — CEILING HEIGHT

2. CONTRACTOR SHALL COORDINATE CEILING DEVICE LOCATIONS WITH ALL TRADES.
3. ALL NEW WALLS GO UP TO CEILING ONLY.

CEILING KEY NOTES:

- CN1 NEW GWB SOFFIT.
- CN2 NEW FOLDING WALL TRACK.
- CN3 NEW DRY SPRINKLER HEAD. SEE FP DRAWINGS.
- CN4 RELOCATE EXISTING SPRINKLER HEAD USING FLEX HEADS. SEE FP DRAWINGS.
- CN5 NEW SPRINKLER HEAD ON EXISTING PIPING. SEE FP DRAWINGS.

CEILING TYPES:

- EXTG / XX — EXISTING CEILING TO REMAIN. INSTALL SALVAGED TILES WHERE MISSING OR STAINED.
- CL-1 / XX — EXISTING CEILING GRID TO REMAIN. INSTALL NEW ACOUSTICAL CEILING TILES ACT-1.
- CL-2 / XX — NEW CEILING GRID TO MATCH EXISTING. NEW ACT-1 CEILING TILES.
- CL-3 / XX — NEW CEILING GRID TO MATCH EXISTING. INSTALL SALVAGED CEILING TILES.
- CL-4 / XX — NEW ALUMINUM PANEL CEILING SYSTEM. BOD = ALUCOBOND EASYFIX
- CL-5 / XX — NEW GWB CEILING ON CFMF.

LEGEND:

- MECHANICAL VENT. SEE MECHANICAL DRAWINGS FOR INFORMATION.
- SPRINKLER HEAD. SEE FP DRAWINGS FOR INFORMATION.
- L1 SUSPENDED LIGHT FIXTURE 16' LONG.
- L2 TROFFER LIGHT FIXTURE.
- L3 PENDANT LIGHT FIXTURE. BOD = REJUVENTATION VINTAGE INDUSTRIAL WHITE ENAMEL PENDANT.
- L4 RECESSED DOWNLIGHT.
- L5 LIGHTOLOGY CERCHIO LED RING PENDANT FIXTURE 70.9" DIAMETER BY KUZCO LIGHTING
- L6 2x4 LED FIXTURE
- L7 1X4 LED FIXTURE
- L8 WEST ELM CURVED METAL SCONCE – BRUSHED NICKEL
- L9 6"X4' LED FIXTURE
- L10 6"X8' LED FIXTURE
- L11 INDIRECT SOFFIT LIGHTING
- BATT INSULATION OVER TOP OF WALL AND 2'-0" ON EITHER SIDE OF WALL FOR SOUND SEPARATION.

AMCJr.
ALBERT M. COMLY JR.
ARCHITECT

CONSULTANTS

SEAL

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DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

REFLECTED CEILING PLAN

SCALE	AS NOTED
DRAWN	
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

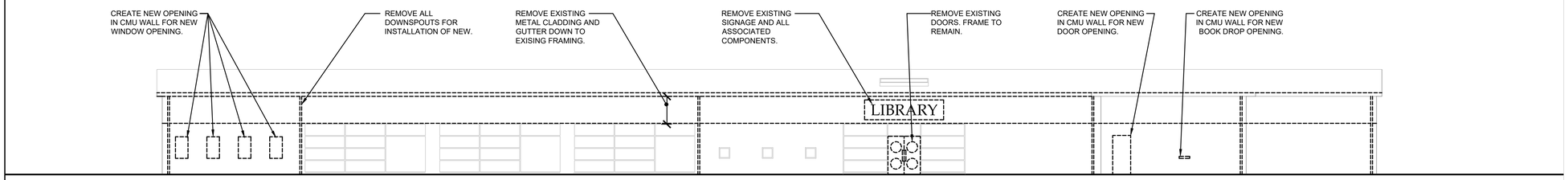
REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

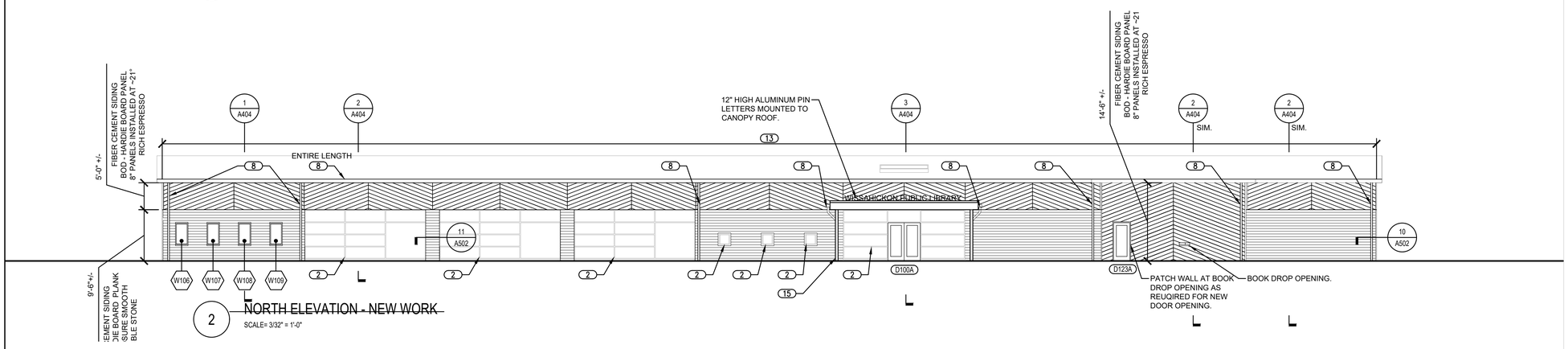
A-131

BID DOCUMENTS



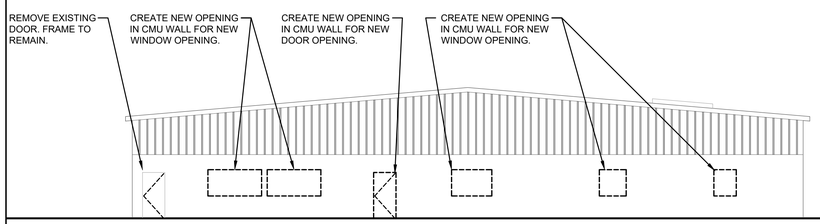
1 NORTH ELEVATION - DEMOLITION

SCALE= 3/32" = 1'-0"



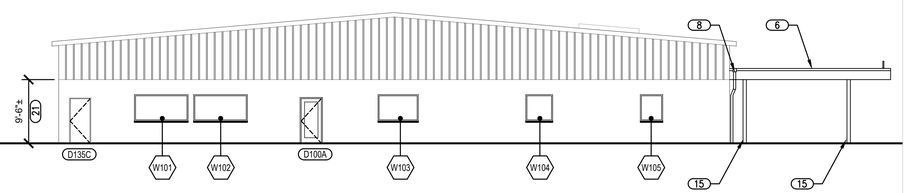
2 NORTH ELEVATION - NEW WORK

SCALE= 3/32" = 1'-0"



3 EAST ELEVATION - DEMOLITION

SCALE= 3/32" = 1'-0"



4 EAST ELEVATION - NEW WORK

SCALE= 3/32" = 1'-0"

5 NORTH ELEVATION - ENTRY

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

GENERAL NOTES:

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3. ALL DIMENSIONS ARE TO OUTSIDE FACE OF FINISH MATERIALS.
4. ALL DIMENSIONS SHALL BE CONFIRMED IN THE FIELD PRIOR TO WORK BEING COMPLETED.
5. THE WORK CONSISTS OF RENOVATION OF AN EXISTING STRUCTURE. EXERCISE EXTREME CARE IN ALL ASPECTS OF THE WORK. DO NOT USE METHODS WHICH WILL RESULT IN UNNECESSARY DAMAGE.
6. ALL EXISTING ROOMS SHALL RECEIVE NEW FINISHES (PAINT, CEILINGS, CARPET) UNLESS NOTED OTHERWISE. SEE FINISH SCHEDULE ON SHEET A-602 FOR ADDITIONAL INFORMATION.
7. ALL FURNITURE IS NOT IN CONTRACT UNLESS NOTED OTHERWISE. FURNITURE IS SHOWN FOR INFORMATION PURPOSES ONLY.
8. REMOVE ALL EXISTING BIRD AND INSECT NESTS FROM BUILDING.
9. REMOVE ALL DEBRIS FROM EXISTING GUTTERS AND DOWNSPOUTS.
10. REINSTALL SIGNAGE. COORDINATE LOCATIONS WITH LIBRARIAN.

CONSTRUCTION NOTES:

1. SPOT REPOINT AS REQUIRED. JOINT PROFILE TO MATCH EXISTING. ASSUME 25% OF AREA TO BE REPOINTED.
2. EXISTING WINDOW TO REMAIN. INSTALL BACKER ROD AND SEALANT AT ENTIRE PERIMETER. REMOVE AND INSTALL NEW GLAZING COMPOUND.
3. NEW BASE UNIT CABINETS/ COUNTERTOP.
4. PATCH ALL FINISHES WHERE ELEMENTS HAVE BEEN REMOVED THROUGHOUT EXISTING BUILDING. PAINT TO MATCH ADJACENT SURFACES.
5. EXISTING ROOFING TO REMAIN. REMOVE ALL EXISTING DEBRIS.
6. TPO ROOFING SYSTEM ON CANOPY CONSTRUCTION.
7. EXISTING DOWNSPOUT AND CONDUCTOR HEAD TO REMAIN.
8. POWDER COATED GUTTER AND 3x4 RECTANGULAR ALUMINUM DOWNSPOUT WITH PAINTED CAST IRON BOOT.
9. NEW WINDOW OPENING IN EXISTING MASONRY WALL. SEE STRUCTURAL DRAWINGS FOR LINTEL INFORMATION.
10. EXISTING FLAG POLE TO REMAIN.
11. NEW CONCRETE PAVING.
12. 12" HIGH ALUMINUM LETTERS – SATIN ANODIZED FINISH – FLAT FACE. LETTERS SHALL SET ON PINS ON CANOPY ROOF.
13. NEW EXTERIOR CLADDING SYSTEM.
14. PATCH DAMAGED GWB – 2SF.
15. NEW STEEL TUBE COLUMN, SEE STRUCTURAL DRAWINGS. INSTALL 6" ROUND POWDER COATED COLUMN COLOR.
16. NEW FOLDING WALL PARTITION. BOD – MODERNFOLD PAIRED PANEL ACOUSTI-SEAL LEGACY – STC 50.
17. LAMINATE GWB OVER EXISTING FABRIC WALL FINISH.
18. INSTALL CHAIR RAIL ALONG ENTIRE WALL @ 3'-0" AFF. PROFILE = TR-1.
19. NEW DRINKING FOUNTAIN/ BOTTLE FILLER.
20. PROVIDE BLOCKING IN WALLS FOR WALL MOUNTED TV.
21. REPAINT CMU WALLS. C-10.
22. INFILL EXISTING OPENING WITH CMU TO MATCH EXISTING.
23. INSTALL BOOK DROP OPENING THROUGH EXISTING CMU WALL.
24. THROUGH WALL BOOK DROP CHUTE, CABINET, AND CART. BOD = AMERICAN SECURITY CABINETS EXTRA LARGE THROUGH WALL DOUBLE BOOK AND MEDIA LIBRARY RETURN 910 WITH POWDER COATED BOOK TRUCK.
25. STEEL TUBE COLUMN, SEE STRUCTURAL DRAWINGS. OPEN, REFRAME, AND PATCH WALL AS REQUIRED FOR INSTALLATION.

LEGEND:

- EXISTING WALL.
- EXISTING DOOR.
- NEW WALL.
- NEW DOOR.
- KEY NOTE.
- WINDOW NUMBER. SEE SHEET A-601 FOR INFORMATION
- DOOR NUMBER. SEE SHEET A-601 FOR INFORMATION.
- WALL TYPE. SEE SHEET A-501 FOR INFORMATION.

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PROJECT TITLE

WISSAHICKON LIBRARY INTERIOR IMPROVEMENTS

650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

ELEVATIONS

SCALE	AS NOTED
DRAWN	
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

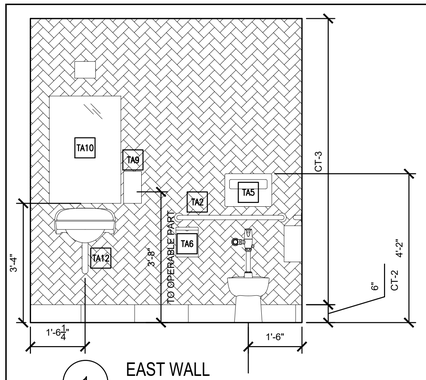
REVISIONS

SYMBOL	DATE	DESCRIPTION

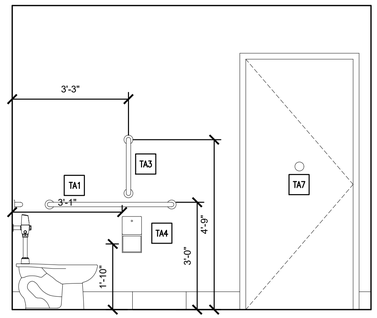
DRAWING #

A-201

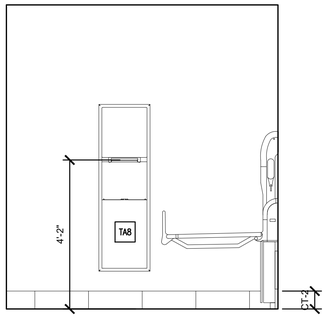
BID DOCUMENTS



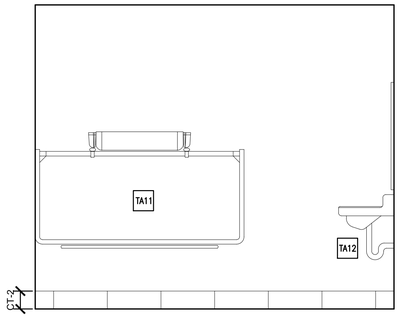
1 EAST WALL
SCALE= 1/2" = 1'-0"



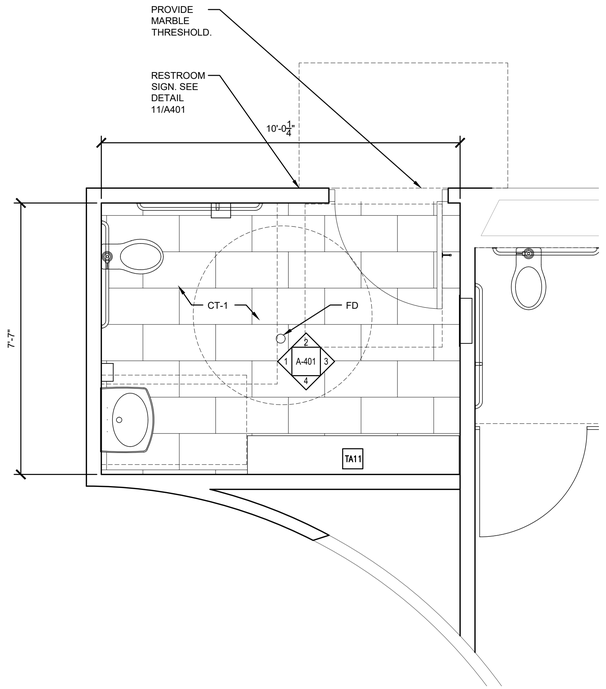
2 SOUTH WALL
SCALE= 1/2" = 1'-0"



3 WEST WALL
SCALE= 1/2" = 1'-0"



4 NORTH WALL
SCALE= 1/2" = 1'-0"



5 FLOOR PLAN
SCALE= 1/2" = 1'-0"

FURNITURE/ FIXTURES/ EQUIPMENT:

TA1	42" GRAB BAR KOHLER PURIST
TA2	36" GRAB BAR KOHLER PURIST
TA3	18" GRAB BAR KOHLER PURIST
TA4	TOILET TISSUE DISPENSER – BOD = ASI ROVAL TWIN HIDE–A–ROLL – SURFACE MOUNTED
TA5	SEAT COVER DISPENSER – BOD = ASI 6477–9 SIMPLICITY – SURFACE MOUNTED.
TA6	SANITARY NAPKIN DISPOSAL UNIT – BOD = ASI 473–1A
TA7	COAT HOOK – BOD = KOHLER PURIST K–14443–BN
TA8	RECESSED COMBINATION TOWEL DISPENSER/ WASTE RECEPTACLE – BOD = AMERICAN SPECIALTIES 0467
TA9	SOAP DISPENSER – BOD = ASI 0347
TA10	MIRROR UNIT 24x36 – BOD = KOHLER ESSENTIAL K–31364–CPL
TA11	ADULT CHANGING STATION – BOD = KOALA CARE KB2600
TA12	PIPE COVER.
TA13	TOILET TISSUE DESPENSER, TWIN HIDE–A–ROLL, PARTITION MOUNTED – ASI 0032
TA14	FREE STANDING WASTE RECEPTACLE WITH TOP – ASI 0834–T
TA15	PAPER TOWEL DISPENSER – ASI ROVAL PAPER TOWEL DISPENSER – SURFACE MOUNTED.
TA16	BABY CHANGING STATION – VERTICAL – ASI 9017–9

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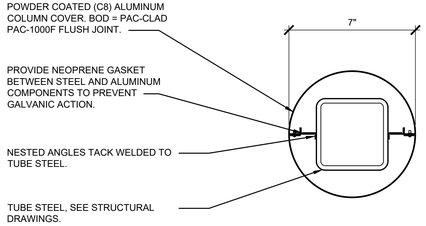
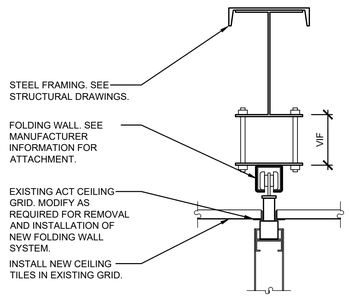
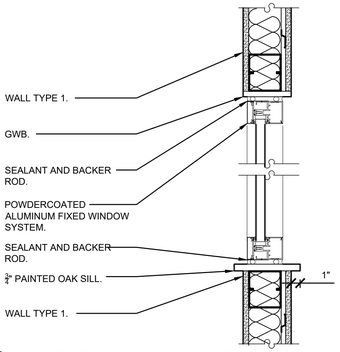


9 COLUMN COVER
SCALE= 3" = 1'-0"



8 FOLDING WALL SECTION
SCALE= 1 1/2" = 1'-0"

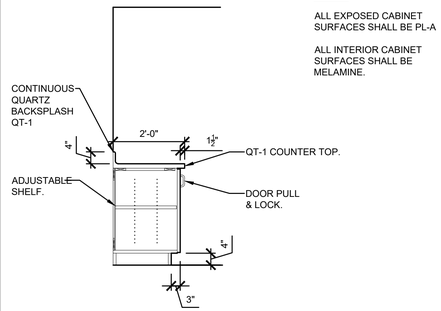


7 SECTION INTERIOR WINDOW
SCALE= 1 1/2" = 1'-0"

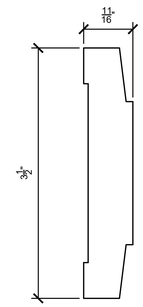
NOTES:

ALL EXPOSED CABINET SURFACES SHALL BE PL-A

ALL INTERIOR CABINET SURFACES SHALL BE MELAMINE.



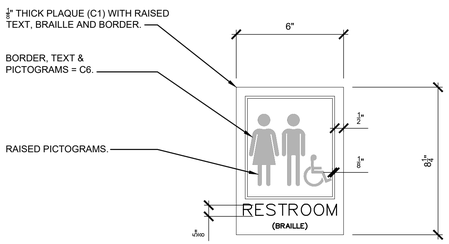
6 SECTION THROUGH CABINETS
SCALE= 1/2" = 1'-0"



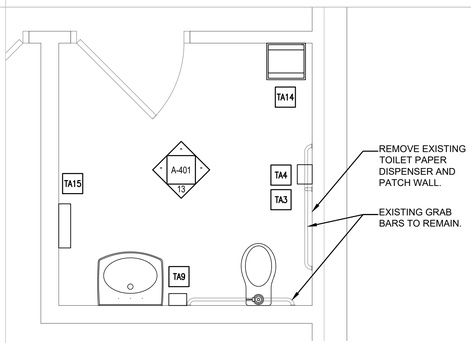
BOD - NEW MOLDINGS EWCH19 - RED OAK.

PAINT TO MATCH HOST WALL.

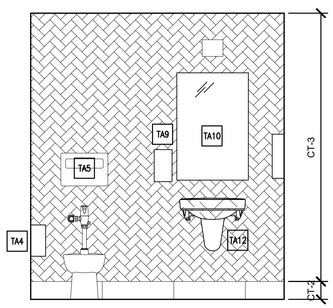
10 CHAIR RAIL TR-1
FULL SIZE



11 SIGNAGE
SCALE= 3" = 1'-0"



12 STAFF RESTROM FLOOR PLAN
SCALE= 1/2" = 1'-0"



13 STAFF RESTROOM - NORTH ELEVATION
SCALE= 1/2" = 1'-0"

LEGEND:

- EXISTING WALL.
- EXISTING DOOR.
- NEW WALL.
- NEW DOOR.
- KEY NOTE.
- WINDOW NUMBER. SEE SHEET A–601 FOR INFORMATION
- DOOR NUMBER. SEE SHEET A–601 FOR INFORMATION.
- WALL TYPE. SEE SHEET A–501 FOR INFORMATION.

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DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

ENLARGED PLANS & INTERIOR ELEVATIONS

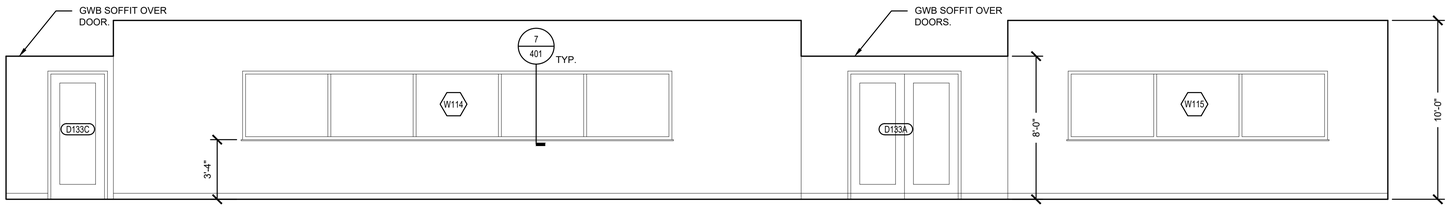
SCALE	AS NOTED
DRAWN	
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

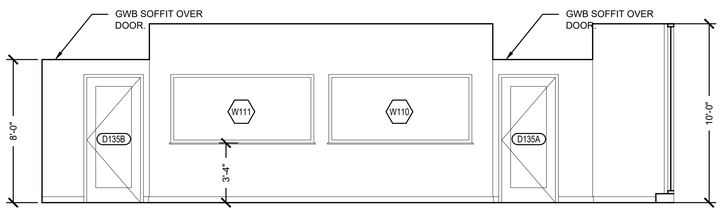
DRAWING #

A-401
BID DOCUMENTS



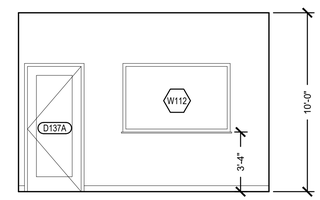
1 EAST WALL - CONFERENCE ROOM

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



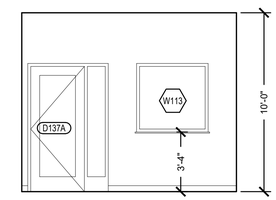
2 WEST WALL - TEEN

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



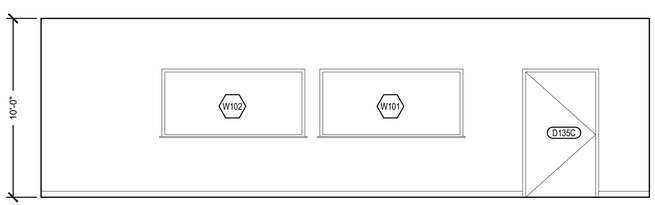
3 WEST WALL - MEETING ROOM 137

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



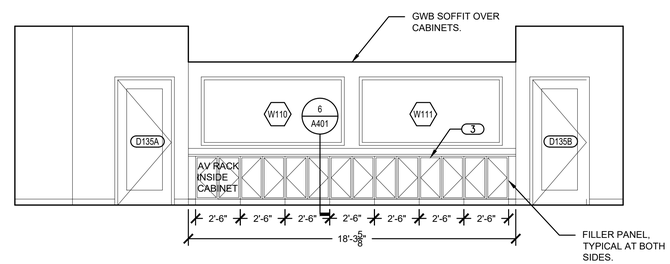
4 WEST WALL - MEETING ROOM 138

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



5 EAST WALL - CONFERENCE ROOM

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



6 WEST WALL - CONFERENCE ROOM

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

7 NORTH WALL - CHILDRENS

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

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5. THE WORK CONSISTS OF RENOVATION OF AN EXISTING STRUCTURE. EXERCISE EXTREME CARE IN ALL ASPECTS OF THE WORK. DO NOT USE METHODS WHICH WILL RESULT IN UNNECESSARY DAMAGE.
6. ALL EXISTING ROOMS SHALL RECEIVE NEW FINISHES (PAINT, CEILINGS, CARPET) UNLESS NOTED OTHERWISE. SEE FINISH SCHEDULE ON SHEET A-602 FOR ADDITIONAL INFORMATION.
7. ALL FURNITURE IS NOT IN CONTRACT UNLESS NOTED OTHERWISE. FURNITURE IS SHOWN FOR INFORMATION PURPOSES ONLY.
8. REMOVE ALL EXISTING BIRD AND INSECT NESTS FROM BUILDING.
9. REMOVE ALL DEBRIS FROM EXISTING GUTTERS AND DOWNSPOUTS.
10. REINSTALL SIGNAGE. COORDINATE LOCATIONS WITH LIBRARIAN.

CONSTRUCTION NOTES:

1. SPOT REPOINT AS REQUIRED. JOINT PROFILE TO MATCH EXISTING. ASSUME 25% OF AREA TO BE REPOINTED.
2. EXISTING WINDOW TO REMAIN. INSTALL BACKER ROD AND SEALANT AT ENTIRE PERIMETER. REMOVE AND INSTALL NEW GLAZING COMPOUND.
3. NEW BASE UNIT CABINETS/ COUNTERTOP.
4. PATCH ALL FINISHES WHERE ELEMENTS HAVE BEEN REMOVED THROUGHOUT EXISTING BUILDING. PAINT TO MATCH ADJACENT SURFACES.
5. EXISTING ROOFING TO REMAIN. REMOVE ALL EXISTING DEBRIS.
6. TPO ROOFING SYSTEM ON CANOPY CONSTRUCTION.
7. EXISTING DOWNSPOUT AND CONDUCTOR HEAD TO REMAIN.
8. POWDER COATED GUTTER AND 3x4 RECTANGULAR ALUMINUM DOWNSPOUT WITH PAINTED CAST IRON BOOT.
9. NEW WINDOW OPENING IN EXISTING MASONRY WALL. SEE STRUCTURAL DRAWINGS FOR LINTEL INFORMATION.
10. EXISTING FLAG POLE TO REMAIN.
11. NEW CONCRETE PAVING.
12. 12" HIGH ALUMINUM LETTERS – SATIN ANODIZED FINISH – FLAT FACE. LETTERS SHALL SET ON PINS ON CANOPY ROOF.
13. NEW EXTERIOR CLADDING SYSTEM.
14. PATCH DAMAGED GWB – 2SF.
15. NEW STEEL TUBE COLUMN, SEE STRUCTURAL DRAWINGS. INSTALL 6" ROUND POWDER COATED COLUMN COLOR.
16. NEW FOLDING WALL PARTITION. BOD – MODERNFOLD PAIRED PANEL ACOUSTI-SEAL LEGACY – STC 50.
17. LAMINATE GWB OVER EXISTING FABRIC WALL FINISH.
18. INSTALL CHAIR RAIL ALONG ENTIRE WALL @ 3'-0" AFF. PROFILE = TR-1.
19. NEW DRINKING FOUNTAIN/ BOTTLE FILLER.
20. PROVIDE BLOCKING IN WALLS FOR WALL MOUNTED TV.
21. REPAINT CMU WALLS. C-10.
22. INFILL EXISTING OPENING WITH CMU TO MATCH EXISTING.
23. INSTALL BOOK DROP OPENING THROUGH EXISTING CMU WALL.
24. THROUGH WALL BOOK DROP CHUTE, CABINET, AND CART. BOD = AMERICAN SECURITY CABINETS EXTRA LARGE THROUGH WALL DOUBLE BOOK AND MEDIA LIBRARY RETURN 910 WITH POWDER COATED BOOK TRUCK.
25. STEEL TUBE COLUMN, SEE STRUCTURAL DRAWINGS. OPEN, REFRAME, AND PATCH WALL AS REQUIRED FOR INSTALLATION.

LEGEND:

- EXISTING WALL.
- EXISTING DOOR.
- NEW WALL.
- NEW DOOR.
- KEY NOTE.
- WINDOW NUMBER. SEE SHEET A-601 FOR INFORMATION
- DOOR NUMBER. SEE SHEET A-601 FOR INFORMATION.
- WALL TYPE. SEE SHEET A-501 FOR INFORMATION.

AMCJr.
ALBERT M. COMLY JR.
ARCHITECT

CONSULTANTS

SEAL

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND THE ARCHITECT NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION

DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

INTERIOR ELEVATIONS

SCALE	AS NOTED
DRAWN	
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

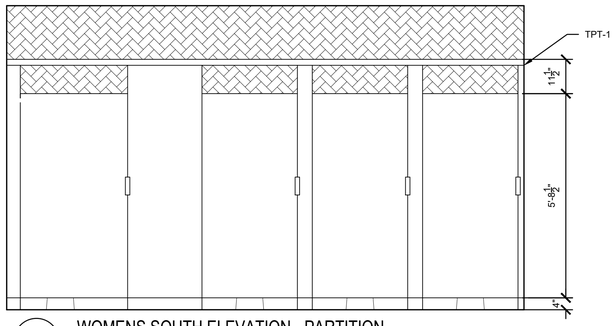
REVISIONS

SYMBOL	DATE	DESCRIPTION

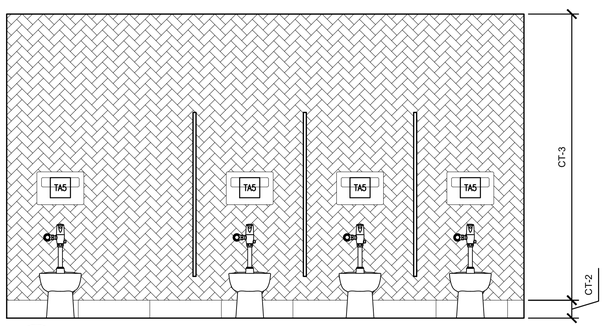
DRAWING #

A-402

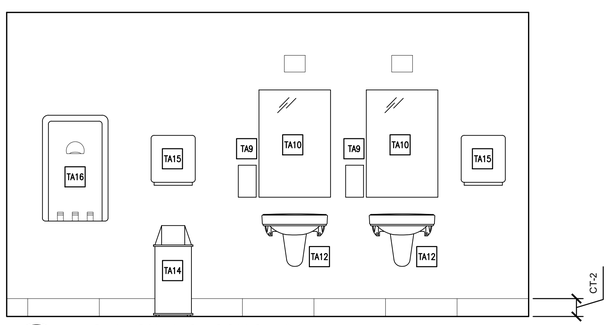
BID DOCUMENTS



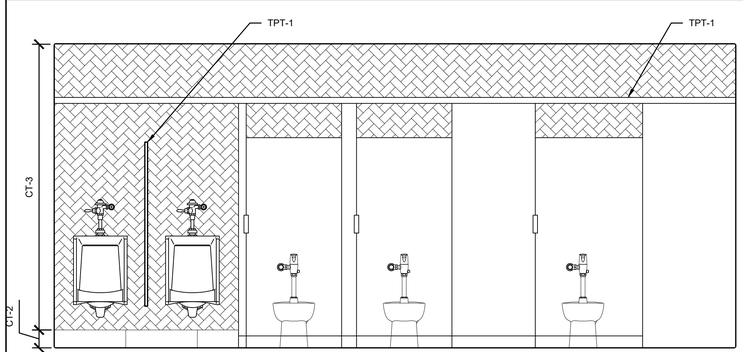
1 WOMENS SOUTH ELEVATION - PARTITION
SCALE= 1/2" = 1'-0"



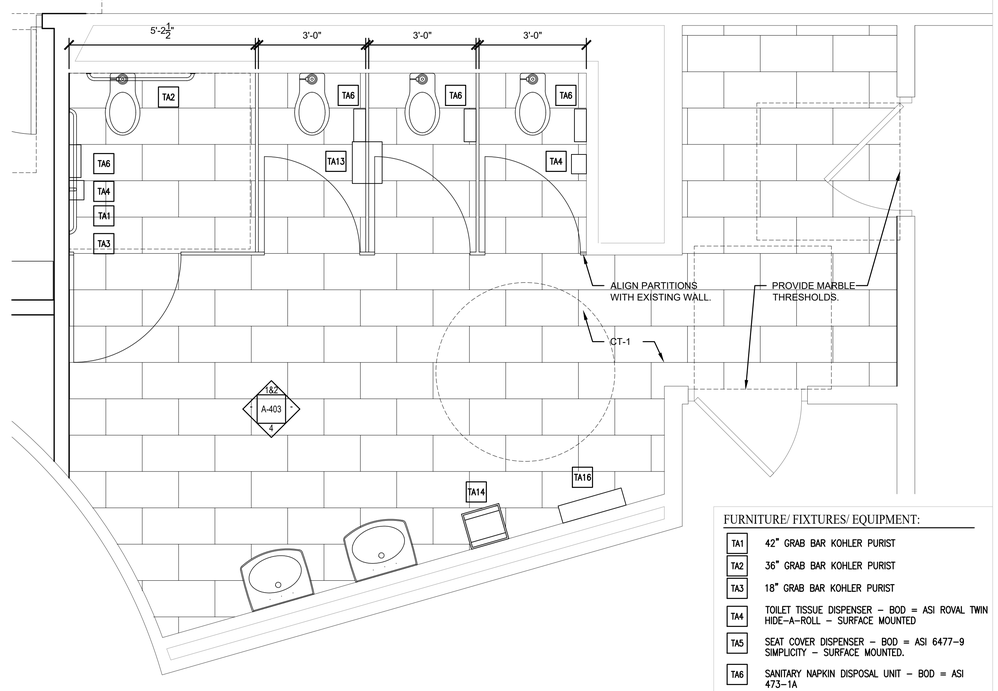
2 WOMENS ROOM SOUTH ELEVATION - WALL
SCALE= 1/2" = 1'-0"



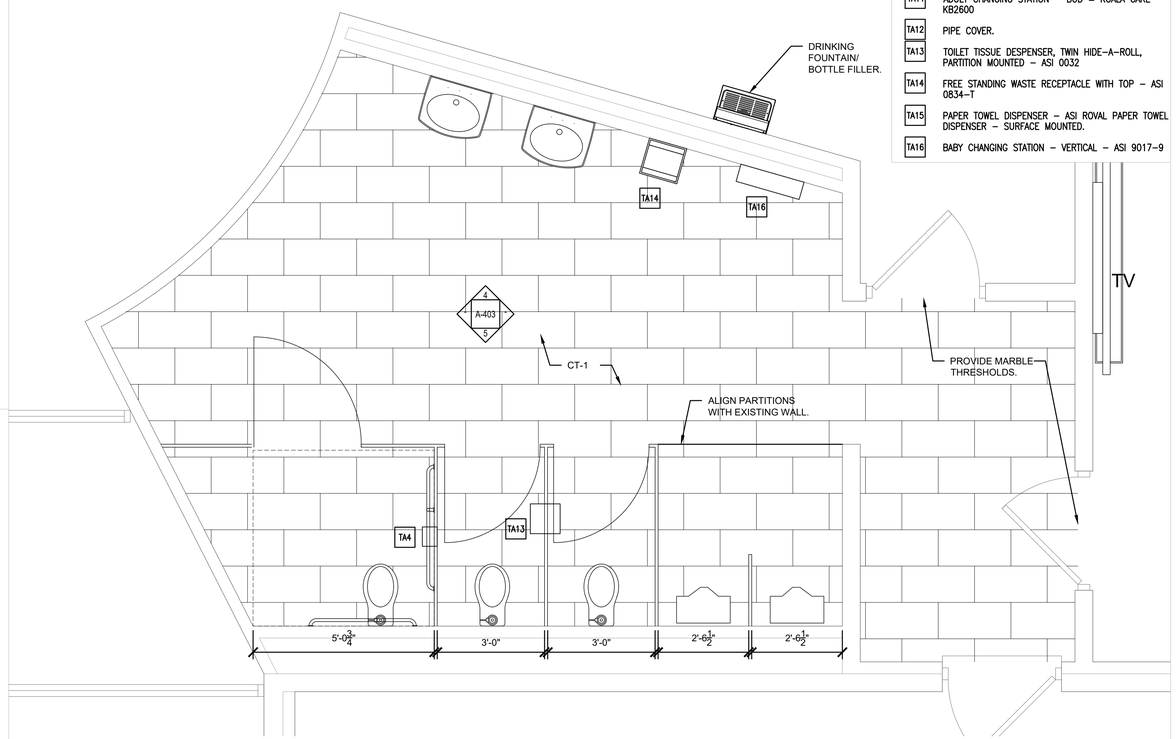
4 WOMENS/ MENS ROOM SINK WALL
SCALE= 1/2" = 1'-0"



5 MENS ROOM NORTH ELEVATION
SCALE= 1/2" = 1'-0"



3 WOMENS ROOM FLOOR PLAN
SCALE= 1/2" = 1'-0"



6 MENS ROOM FLOOR PLAN
SCALE= 1/2" = 1'-0"

FURNITURE/ FIXTURES/ EQUIPMENT:

TA1	42" GRAB BAR KOHLER PURIST
TA2	36" GRAB BAR KOHLER PURIST
TA3	18" GRAB BAR KOHLER PURIST
TA4	TOILET TISSUE DISPENSER – BOD = ASI ROVAL TWIN HIDE-A-ROLL – SURFACE MOUNTED
TA5	SEAT COVER DISPENSER – BOD = ASI 6477-9 SIMPLICITY – SURFACE MOUNTED.
TA6	SANITARY NAPKIN DISPOSAL UNIT – BOD = ASI 473-1A
TA7	COAT HOOK – BOD = KOHLER PURIST K-14443-BN
TA8	RECESSED COMBINATION TOWEL DISPENSER/ WASTE RECEPTACLE – BOD = AMERICAN SPECIALTIES 0467
TA9	SOAP DISPENSER – BOD = ASI 0347
TA10	MIRROR UNIT 24x36 – BOD = KOHLER ESSENTIAL K-31364-CPL
TA11	ADULT CHANGING STATION – BOD = KOALA CARE KB2600
TA12	PIPE COVER.
TA13	TOILET TISSUE DESPENSER, TWIN HIDE-A-ROLL, PARTITION MOUNTED – ASI 0032
TA14	FREE STANDING WASTE RECEPTACLE WITH TOP – ASI 0834-T
TA15	PAPER TOWEL DISPENSER – ASI ROVAL PAPER TOWEL DISPENSER – SURFACE MOUNTED.
TA16	BABY CHANGING STATION – VERTICAL – ASI 9017-9

GENERAL NOTES:

1. DO NOT SCALE THE DRAWINGS.
2. THE DRAWINGS REPRESENT THE GENERAL EXISTING CONDITION AND LAYOUT. THEY DO NOT NECESSARILY REPRESENT A COMPLETE FIELD VERIFIED LAYOUT. THE CONTRACTOR SHALL VERIFY THE LAYOUT AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING.
3. ALL DIMENSIONS ARE TO OUTSIDE FACE OF FINISH MATERIALS.
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10. REINSTALL SIGNAGE. COORDINATE LOCATIONS WITH LIBRARIAN.

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LEGEND:

- EXISTING WALL.
- EXISTING DOOR.
- NEW WALL.
- NEW DOOR.
- KEY NOTE.
- WINDOW NUMBER. SEE SHEET A-601 FOR INFORMATION
- DOOR NUMBER. SEE SHEET A-601 FOR INFORMATION.
- WALL TYPE. SEE SHEET A-501 FOR INFORMATION.

AMCJr.
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PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

ENLARGED PLANS & INTERIOR ELEVATIONS

SCALE	AS NOTED
DRAWN	
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

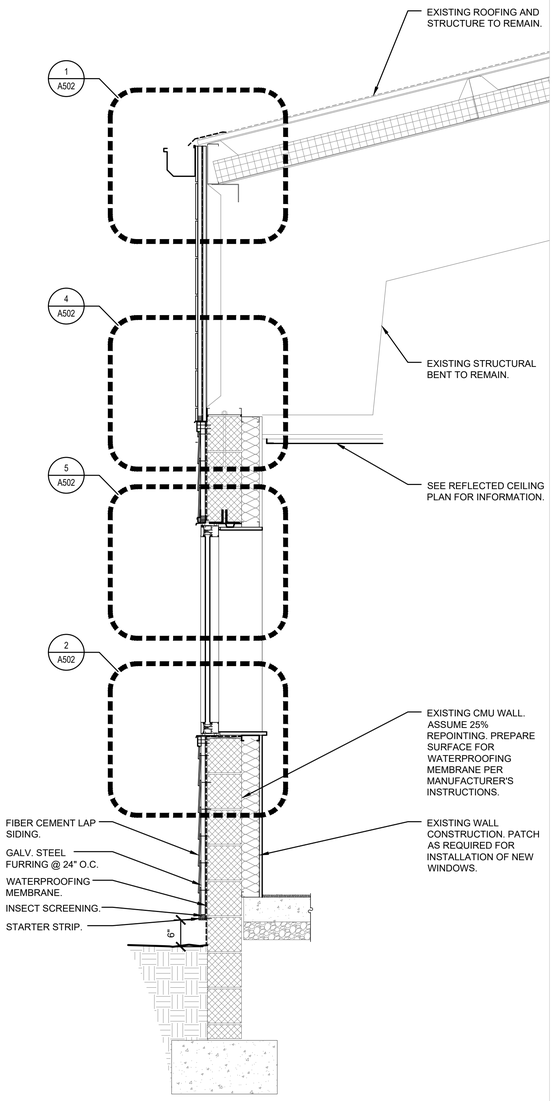
REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

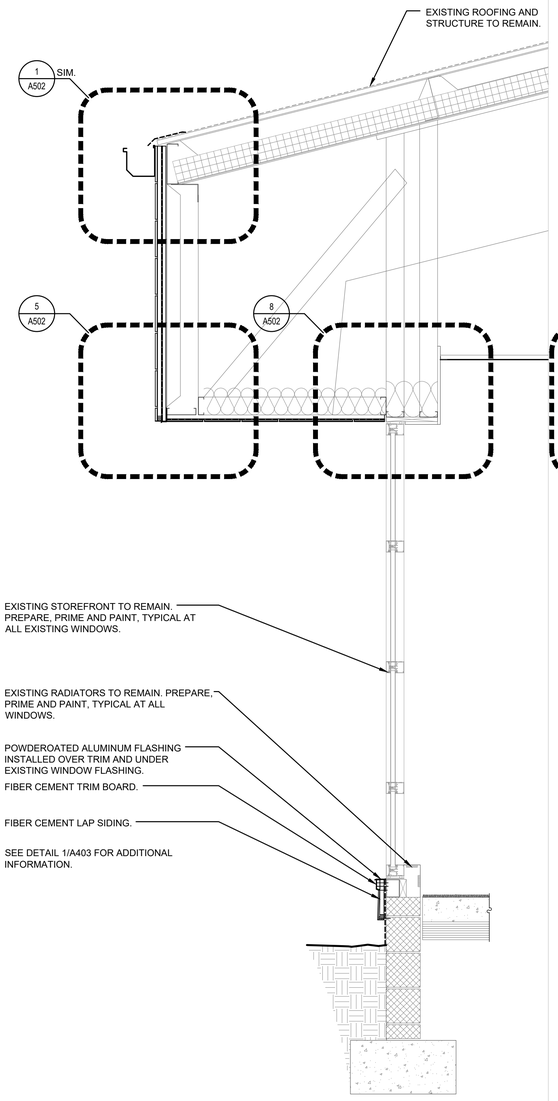
A-403

BID DOCUMENTS



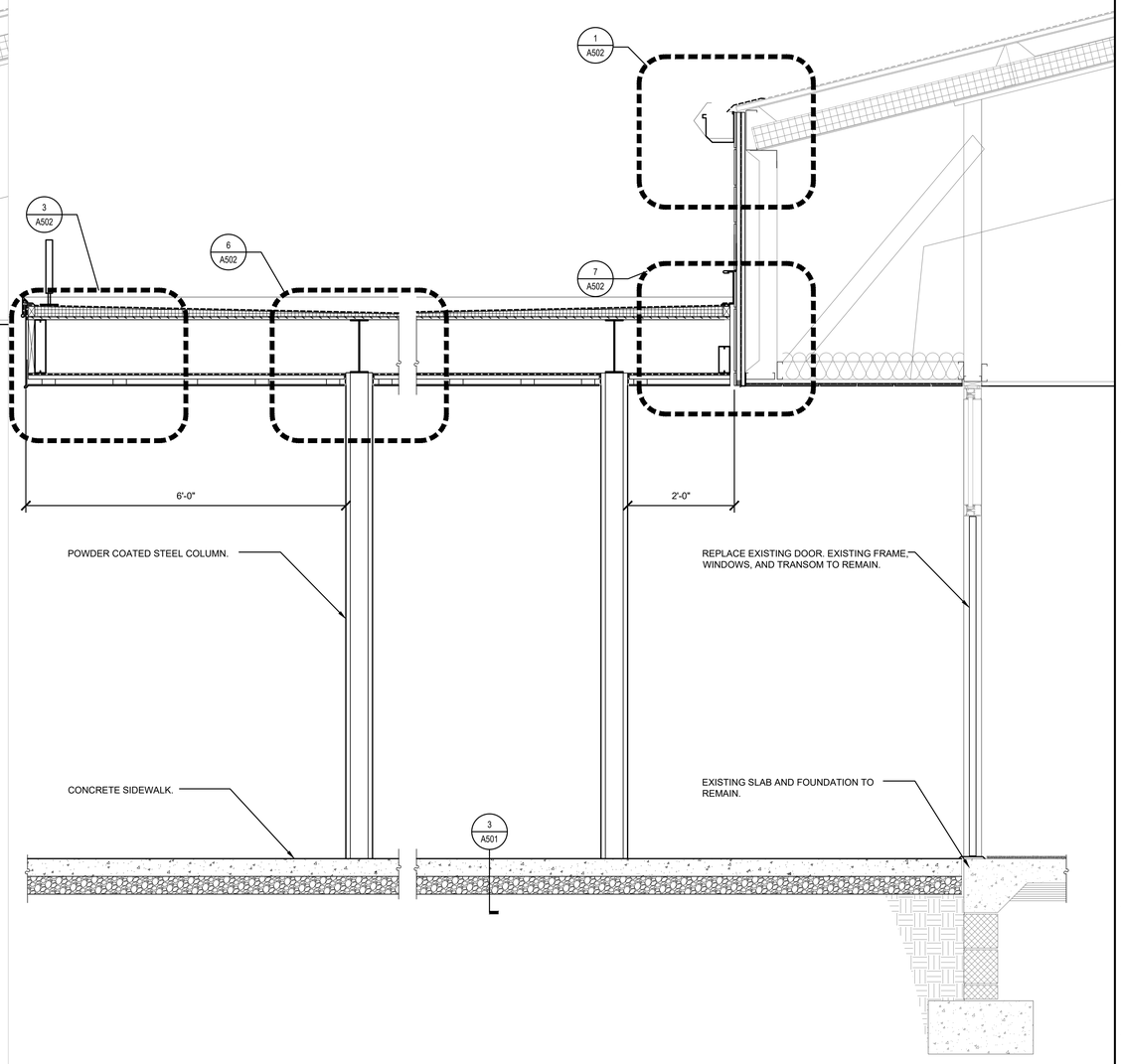
1 SECTION THROUGH NEW NORTH WINDOWS

SCALE= 3/4" = 1'-0"



2 SECTION THROUGH EXISTING NORTH WINDOWS

SCALE= 3/4" = 1'-0"



3 SECTION THROUGH NORTH ENTRANCE

SCALE= 3/4" = 1'-0"

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DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

SECTIONS

SCALE	AS NOTED
DRAWN	
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

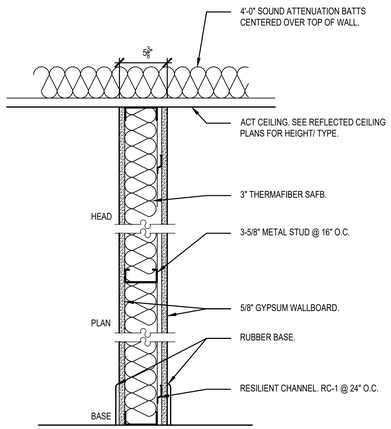
REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

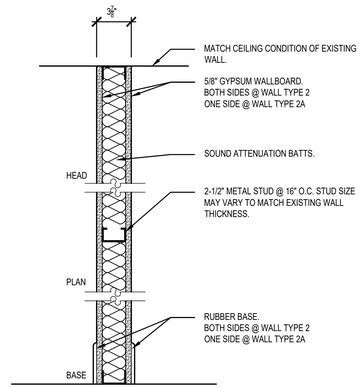
A-404

BID DOCUMENTS



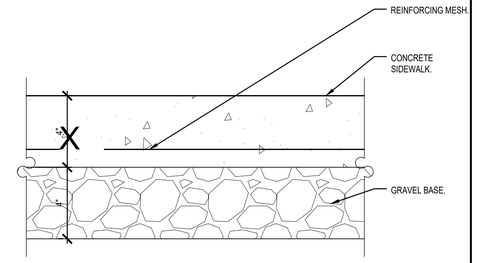
TYPE	DESCRIPTION	STC	HR RATING	UL #
1	5/8 GWB ON BOTH SIDES OF METAL STUDS + RC-1 + BATT	54	NA	U451

1 WALL TYPES
SCALE= 1-1/2 = 1'-0"

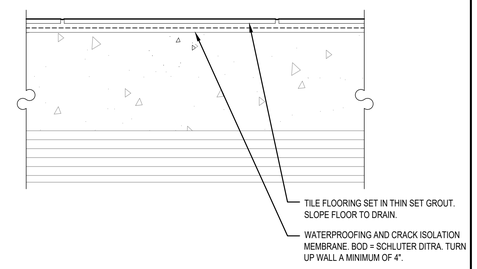


TYPE	DESCRIPTION	STC	HR RATING	UL #
2	5/8 GWB ON BOTH SIDES OF METAL STUDS + SOUND BATT	39	NA	NA
2A	5/8 GWB ON ONE SIDE OF METAL STUDS + SOUND BATT	32	NA	NA

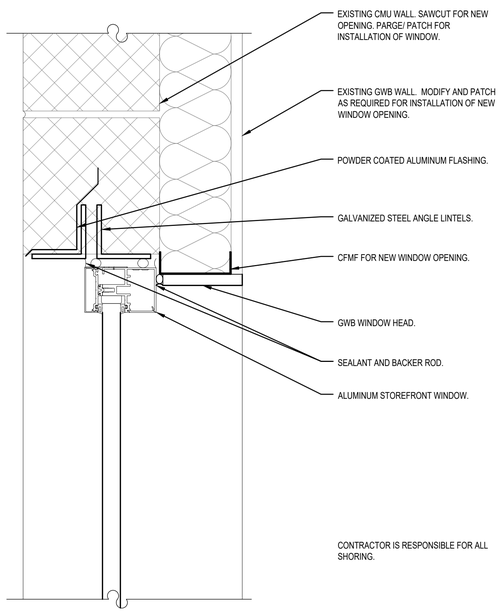
2 NOT USED
SCALE= 1" = 1'-0"



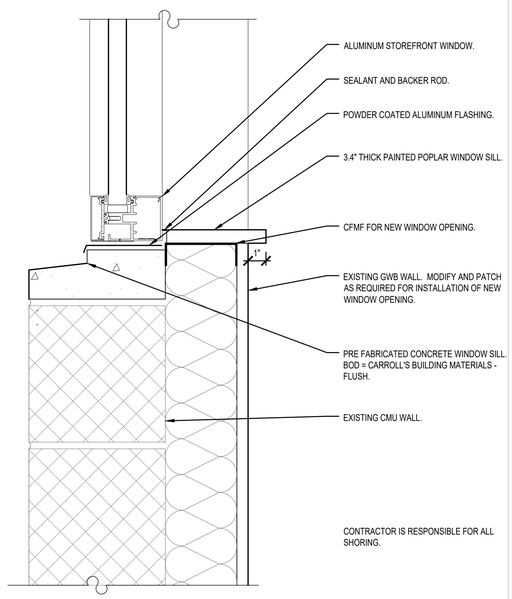
3 SIDEWALK
SCALE= 3 = 1'-0"



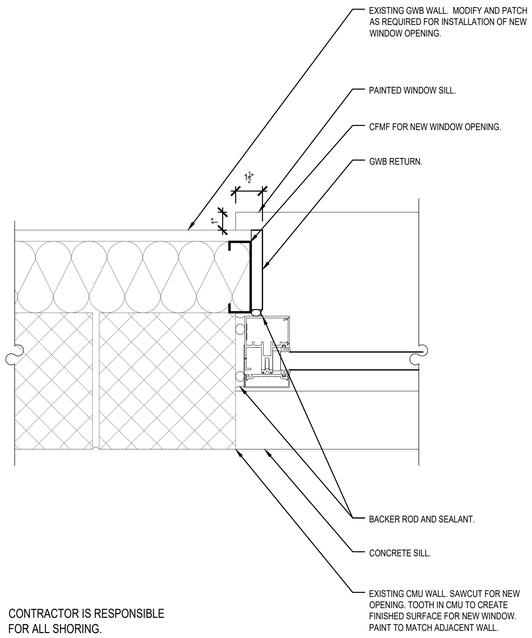
8 TILE FLOOR
SCALE= 3 = 1'-0"



4 WINDOW/ DOOR HEAD
SCALE= 3 = 1'-0"

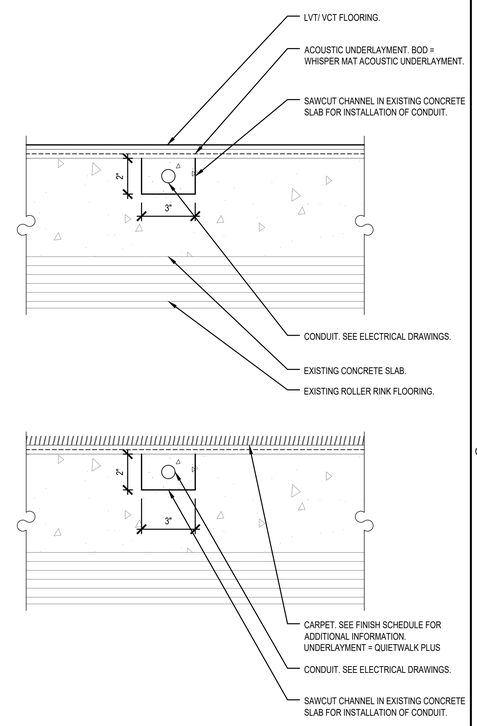


5 WINDOW SILL
SCALE= 3 = 1'-0"



CONTRACTOR IS RESPONSIBLE FOR ALL SHORING.

6 WINDOW JAMB
SCALE= 3 = 1'-0"



7 CONDUIT CHANNEL/ FLOORING
SCALE= 3 = 1'-0"

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ARCHITECT

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DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

WALL TYPES & DETAILS

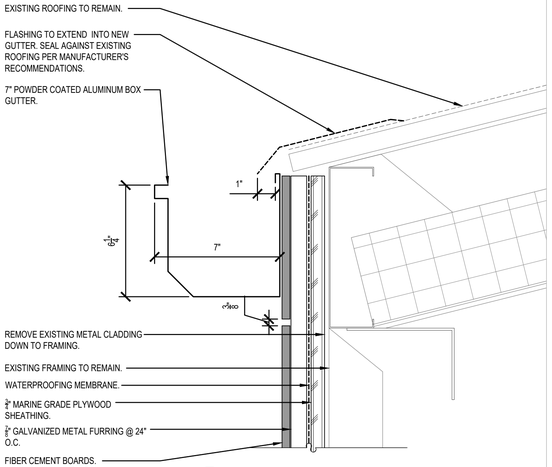
SCALE	AS NOTED
DRAWN	
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

A-501
BID DOCUMENTS



1 NORTH GUTTER
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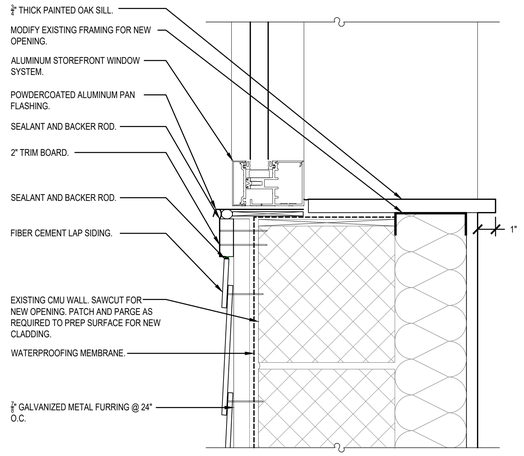
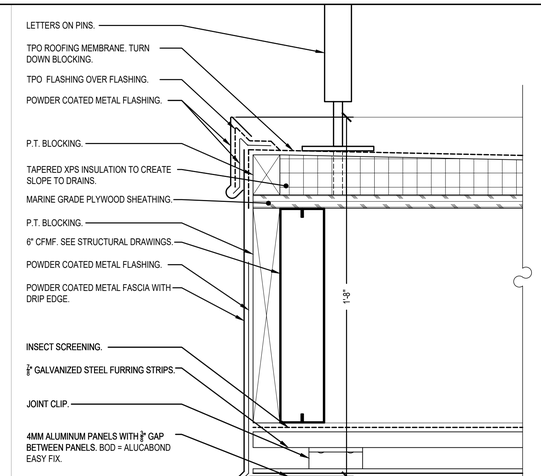
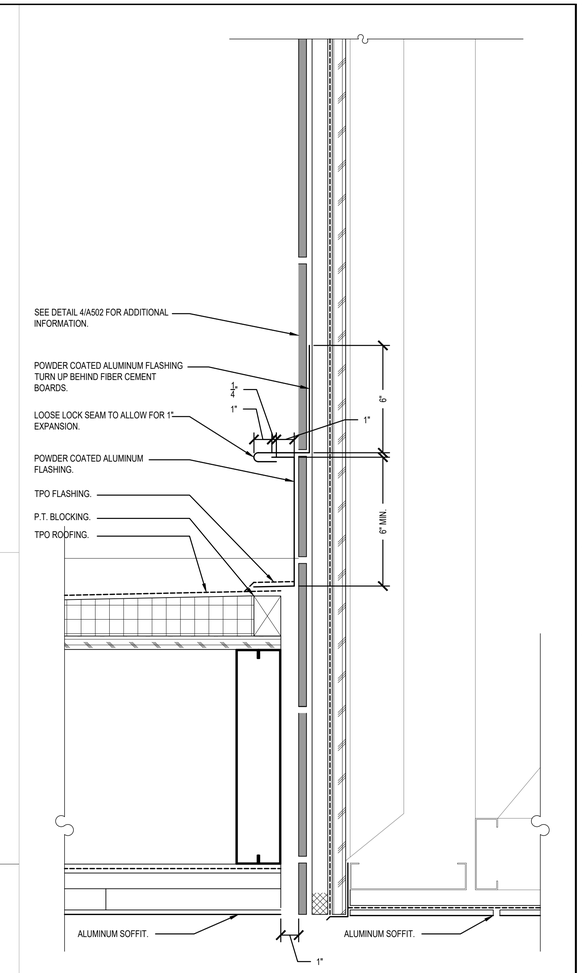


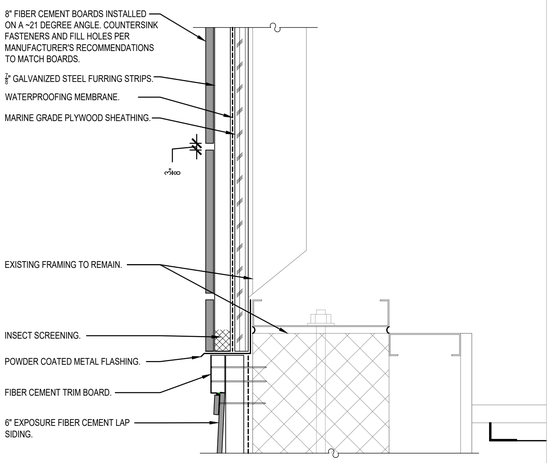
2 WINDOW SILL
SCALE= 3 = 1'-0"



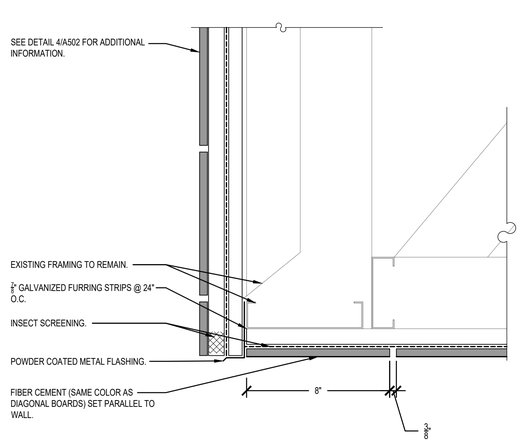
3 CANOPY FASCIA
SCALE= 3 = 1'-0"



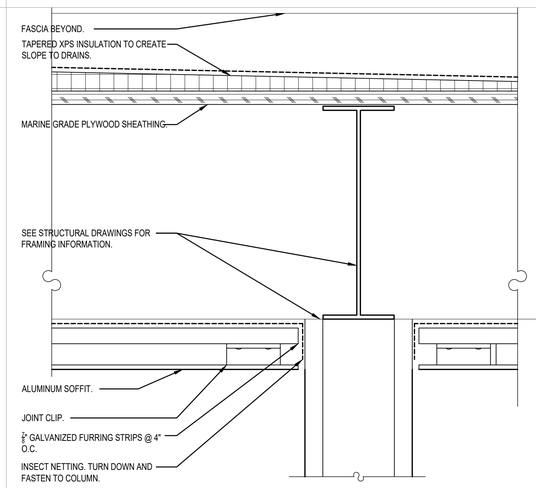
7 CANOPY JOINT TO EXTG BUILDING
SCALE= 3 = 1'-0"



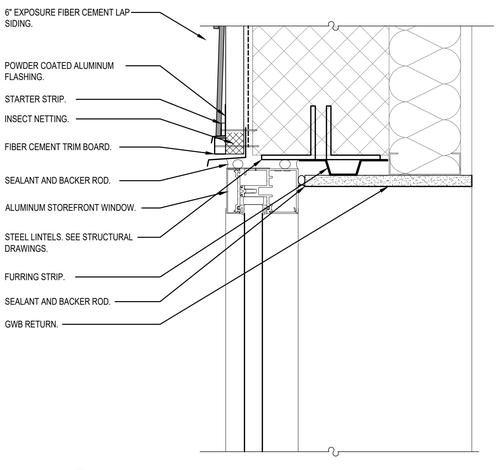
4 SIDING TRANSITION
SCALE= 3 = 1'-0"



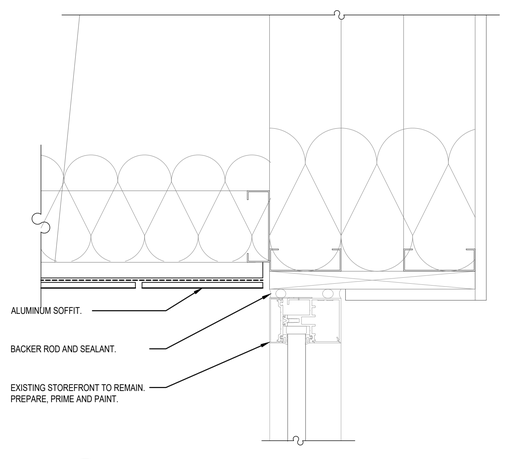
5 SOFFIT
SCALE= 3 = 1'-0"



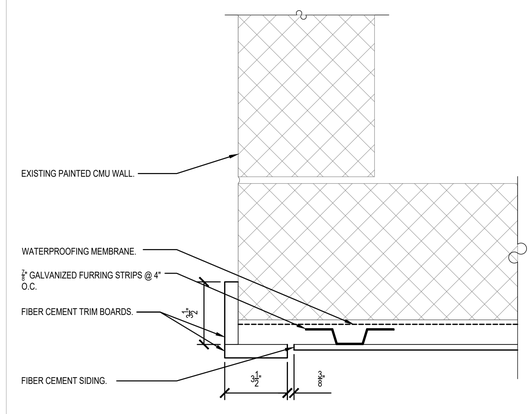
6 CANOPY COLUMN
SCALE= 3 = 1'-0"



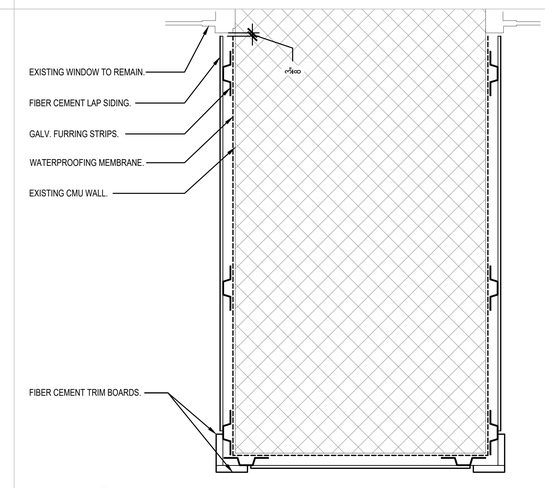
8 WINDOW HEAD
SCALE= 3 = 1'-0"



9 DOOR HEAD
SCALE= 3 = 1'-0"



10 BUILDING CORNER
SCALE= 3" = 1'-0"



11 EXTERIOR PIER
SCALE= 1-1/2" = 1'-0"

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DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

DETAILS

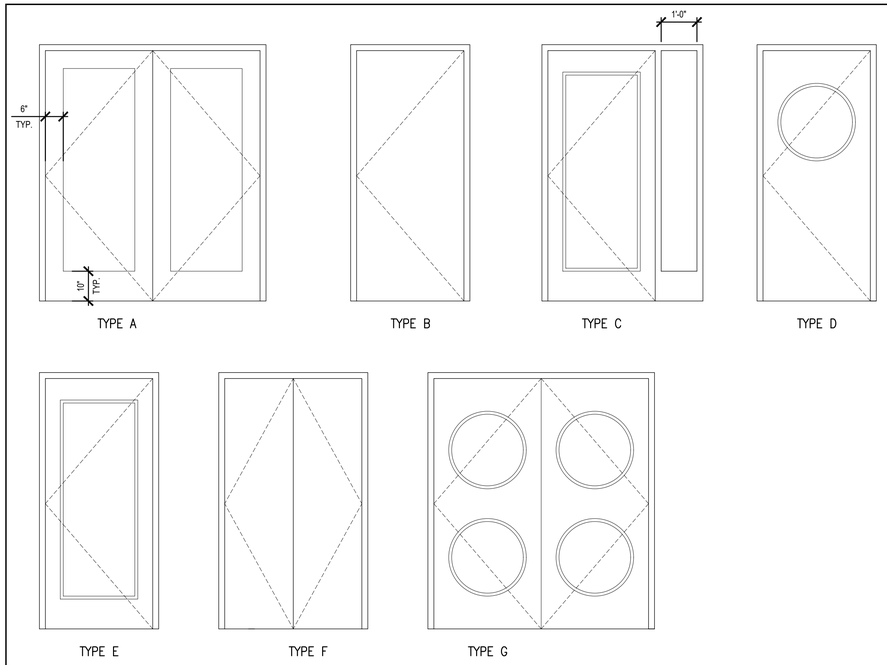
SCALE	AS NOTED
DRAWN	
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

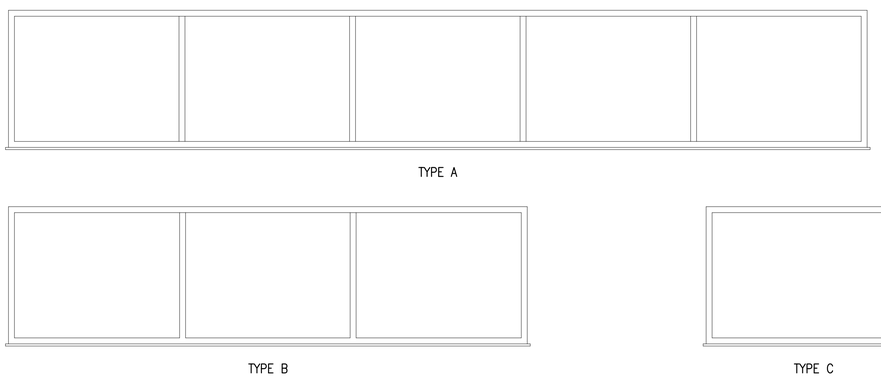
DRAWING #

A-502
BID DOCUMENTS

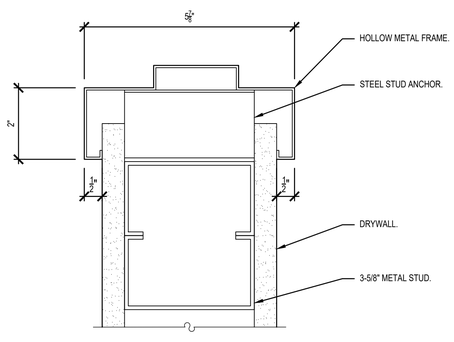


AT EXISTING DOORS, PAINT GLAZING FRAME THE SAME COLOR AS DOOR FRAME.

1 DOOR TYPES
SCALE= 1/2" = 1'-0"



2 WINDOW TYPES
SCALE= 1/2" = 1'-0"



3 JAMB DETAIL
SCALE= 6" = 1'-0"

WINDOW NOTES:

A. PROVIDE SH-1 AT WINDOW IN ROOM 114.

B. ALL EXISTING WINDOW FRAMES ON NORTH ELEVATION SHALL BE PAINTED C7 ON EXTERIOR AND C3 ON INTERIOR.

C. ALL EXISTING WINDOW FRAMES ON ALL OTHER ELEVATIONS AND INTERIOR WINDOWS SHALL BE PAINTED C10 ON EXTERIOR AND C3 ON INTERIOR.

D. SEE SHEET A601 FOR ABBREVIATIONS.

DOOR SCHEDULE (SEE PLAN FOR DOOR NUMBERS)

	DOOR										FRAME						MISC. INFO		
				EXISTING DIMENSIONS TO BE FIELD VERIFIED AS REQUIRED.															
DOOR NUMBER	EXISTING	NEW	DOOR TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	INTERIOR COLOR	EXTERIOR COLOR	GLASS TYPE	EXISTING	NEW	MATERIAL	POWDER COAT COLOR	INTERIOR COLOR	EXTERIOR COLOR	HARDWARE SET	FIRE RATING (MINUTES)	REMARKS
D100A		X	A	6'-0"	7'-0"	1-3/4"	MTL	PWD	C3	C7	SG	X		HM	PT	C3	C7	X	0	PAIR OF DOORS
D101A		X	C	3'-0"	7'-0"	1-3/4"	WD	CLR	NA	NA	SG		X	HM	PWD	C3	NA	X	0	
D102A		X	A	6'-0"	7'-0"	1-3/4"	HM	PWD	C3	NA	SG	X		HM	PT	C3	NA	X	0	PAIR OF DOORS
D103A	X		B	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	NA	X		HM	PT	C3	NA	EX	0	
D103B	X		B	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	NA	X		HM	PT	C3	NA	EX	0	
D105A	X		B	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	NA	X		HM	PT	C3	NA	EX	0	
D106A	X		B	3'-0"	7'-0"	1-3/4"	HM	PT	C3	NA	NA	X		HM	PT	C3	NA	EX	0	
D108A	X		B	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	NA	X		HM	PT	CR	NA	EX	0	
D110A	X		D	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	EX	X		HM	PT	C3	NA	EX	0	
D111A	X		D	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	EX	X		HM	PT	C3	NA	EX	0	
D112A	X		D	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	EX	X		WD	PT	C3	NA	EX	0	
D113A	X		D	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	EX	X		HM	PT	C3	NA	EX	0	
D113B	X		D	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	EX	X		HM	PT	C3	NA	EX	0	
D114A	X		D	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	EX	X		HM	PT	C3	NA	EX	0	
D115A	X		B	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	EX	X		HM	PT	C3	NA	EX	0	
D116A	X		B	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	NA	X		HM	PT	C3	NA	EX	0	
D117A	X		B	3'-0"	7'-0"	1-3/4"	HM	PT	C3	XX	NA	X		HM	PT	C3	XXX	EX	0	
D118A	X		B	3'-0"	7'-0"	1-3/4"	HM	PT	C3	NA	NA	X		HM	PT	C3	XXX	EX	0	
D118B	X		B	3'-0"	7'-0"	1-3/4"	HM	PT	C3	NA	NA	X		HM	PT	C3	NA	EX	0	
D119A	X		B	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	NA	X		HM	EZ	C3	NA	EX	0	
D121A	X		D	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	EX	X		HM	PT	C3	NA	EX	0	
D121B	X		D	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	EX	X		HM	PT	C3	NA	EX	0	
D121C	X		B	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	EX	X		HM	PT	C3	NA	EX	0	
D122A	X		G	6'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	EX	X		HM	PT	C3	NA	EX	0	PAIR OF DOORS
D123A		X	E	3'-0"	7'-0"	1-3/4"	HM	PWD	C3	C7	IG		X	HM	PWD	C3	C7	X	0	
D123B	X		B	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	NA	X		HM	PT	C3	NA	EX	0	
D124A	X		B	3'-0"	7'-0"	1-3/4"	HM	PT	C3	NA	NA	X		HM	PT	C3	NA	EX	0	
D125A	X		D	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	NA	X		HM	PT	C3	NA	EX	0	
D125B	X		B	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	NA	X		HM	PT	C3	NA	EX	0	
D125C	X		B	3'-0"	7'-0"	1-3/4"	HM	PT	C3	C7	NA	X		HM	PT	C3	C10	EX	0	
D126A	X		B	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	NA	X		HM	PT	C3	NA	EX	0	
D127A	X		B	3'-0"	7'-0"	1-3/4"	HM	PT	C3	NA	NA	X		HM	PT	C3	NA	EX	0	
D127B	X		D	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	EX	X		HM	PT	C3	NA	EX	0	
D128A	X		D	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	EX	X		HM	PT	C3	NA	EX	0	
D129A	X		B	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	NA	X		HM	PT	C3	NA	EX	0	
D130A	X		B	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	NA	X		HM	PT	C3	NA	EX	0	
D131A	X		B	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	NA	X		HM	PT	C3	NA	EX	0	
D132A	X		B	3'-0"	7'-0"	1-3/4"	WD	EX	NA	NA	NA	X		HM	PT	C3	NA	EX	0	
D133A		X	A	6'-0"	7'-0"	1-3/4"	WD	CLR	NA	NA	SG		X	HM	PWD	C6	NA	X	0	PAIR OF DOORS
D133B		X	A	6'-0"	7'-0"	1-3/4"	HM	PWD	C3	C10	SG	X		HM	PT	C3	C10	X	0	PAIR OF DOORS
D133C		X	E	3'-0"	7'-0"	1-3/4"	WD	CLR	NA	NA	SG		X	HM	PWD	C6	NA	X	0	
D133D		X	F	6'-0"	7'-0"	1-3/4"	WD	CLR	NA	NA	SG		X	HM	PWD	C3	NA	X	0	PAIR OF DOORS
D133E		X	F	6'-0"	7'-0"	1-3/4"	WD	CLR	NA	NA	SG		X	HM	PWD	C3	NA	X	0	PAIR OF DOORS
D134A		X	B	3'-0"	7'-0"	1-3/4"	WD	CLR	NA	NA	NA		X	HM	PWD	C3	NA	X	0	
D135A		X	E	3'-0"	7'-0"	1-3/4"	WD	CLR	NA	NA	SG		X	HM	PWD	C3/C1	NA	X	0	
D135B		X	E	3'-0"	7'-0"	1-3/4"	WD	CLR	NA	NA	SG		X	HM	PWD	C3/C1	NA	X	0	
D135C		X	B	4'-0"	7'-0"	1-3/4"	HM	PWD	C3	C10	NA	X		HM	PT	C3	C10	X	0	
D136A		X	E	3'-0"	7'-0"	1-3/4"	WD	CLR	NA	NA	SG		X	HM	PWD	C3	NA	X	0	
D136B		X	E	3'-0"	7'-0"	1-3/4"	WD	CLR	NA	NA	SG		X	HM	PWD	C3	NA	X	0	
D137A		X	E	3'-0"	7'-0"	1-3/4"	WD	CLR	NA	NA	SG		X	HM	PWD	C3	NA	X	0	
D138A		X	C	3'-0"	7'-0"	1-3/4"	WD	CLR	NA	NA	SG		X	HM	PWD	C3	NA	X	0	
D139A		X	C	3'-0"	7'-0"	1-3/4"	WD	CLR	NA	NA	SG		X	HM	PWD	C3	NA	X	0	
D140A		X	C	3'-0"	7'-0"	1-3/4"	WD	CLR	NA	NA	SG		X	HM	PWD	C3	NA	X	0	
D141A		X	E	3'-0"	7'-0"	1-3/4"	HM	PWD	C3	C10	SG		X	HM	PWD	C3	C10	X	0	

WINDOW SCHEDULE (SEE PLAN FOR WINDOW NUMBERS)

	WINDOW						FRAME							
WINDOW NUMBER	EXISTING	NEW	WINDOW TYPE	WALL OPENING WIDTH	WALL OPENING HEIGHT	GLASS TYPE	EXISTING	NEW	MATERIAL	FINISH*	EXTERIOR COLOR	INTERIOR COLOR	SILL HEIGHT	REMARKS
W101		X	C	8'-0"	4'-0"	IG		x	ALUM	PWD	C10	C3	3'-4"	INSTALL SH-2
W102		X	C	8'-0"	4'-0"	IG		x	ALUM	PWD	C10	C3	3'-4"	INSTALL SH-2
W103		X	C	6'-0"	4'-0"	IG		X	ALUM	PWD	C10	C3	3'-4"	INSTALL SH-2
W104		X	C	4'-0"	4'-0"	IG		X	ALUM	PWD	C10	C3	3'-4"	INSTALL SH-2
W105		X	C	3'-4"	4'-0"	IG		X	ALUM	PWD	C10	C3	3'-4"	INSTALL SH-2
W106		X	C	2'-4"	4'-0"	IG		X	ALUM	PWD	C7	C3	3'-0"	INSTALL SH-2
W107		X	C	2'-4"	4'-0"	IG		X	ALUM	PWD	C7	C3	3'-0"	INSTALL SH-2
W108		X	C	2'-4"	4'-0"	IG		X	ALUM	PWD	C7	C3	3'-0"	INSTALL SH-2
W109		X	C	2'-4"	4'-0"	IG		X	ALUM	PWD	C7	C3	3'-0"	INSTALL SH-2
W110		X	C	8'-0"	4'-0"	SG		X	ALUM	PWD	NA	C3/C1	3'-4"	
W111		X	C	8'-0"	4'-0"	SG		X	ALUM	PWD	NA	C3/C1	3'-4"	
W112		X	C	6'-0"	4'-0"	SG		X	ALUM	PWD	NA	C3	3'-4"	
W113		X	C	4'-0"	4'-0"	SG		X	ALUM	PWD	NA	C3/C2	3'-4"	
W114		X	A	24'-0"	4'-0"	SG		X	ALUM	PWD	NA	C3	3'-4"	
W115		X	B	14'-6"	4'-0"	SG		X	ALUM	PWD	NA	C3	3'-4"	

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DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

SCHEDULES

SCALE: AS NOTED
DRAWN
CHECKED
APPROVED
DATE: AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

A-601
BID DOCUMENTS

NOTES:
1. PROVIDE WOOD THRESHOLDS AT TRANSITIONS FROM CARPET TO VCT/ LVT.
2. PROVIDE MARBLE THRESHOLDS AT TRANSITIONS TO TILE FLOORING.
3. ALL WALLS NOT INDICATED AS ACCENT WALLS TO BE PAINTED C3.

LEGEND:

- CPT-1
- CPT-2
- CPT-3
- CPT-4
- CPT-5
- VCT-1
- LVT-1
- CT-1
- ACCENT WALL PAINT COLOR C1
- ACCENT WALL PAINT COLOR C2
- ACCENT WALL PAINT COLOR C4
- ACCENT WALL PAINT COLOR C5
- ACCENT WALL PAINT COLOR C6

FINISH SCHEDULE (SEE PLAN FOR ROOM NUMBERS)

ROOM NUMBER	ROOM NAME	WALLS		CEILING		FLOOR		BASE		REMARKS
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
100	VESTIBULE	GWB	PT - C3	EX	EX	CONC	CPT-5	RUBBER	RB-1	
101	CIRCULATION SERVICES	GWB	PT - C3	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	
102	LOBBY	GWB	PT - C5	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	PAINT SOFFITS C9
103	CORRIDOR	GWB	PT - C5	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	SOFFIT TO BE PAINTED C9; C3 ON BACK WALL
104	MENS	GWB	PT - C1	ACT	ACT-2	CONC	CT-1	TILE	CT-2	PAINT SOFFIT C9; CT-3 ON WET WALL
105	CORRIDOR	GWB	PT - C1	ACT	ACT-2	CONC	CT-1	TILE	CT-2	
106	STORAGE	GWB	PT - C3	ACT	EX	CONC	VCT-1	RUBBER	RB-1	
107	WOMEN	GOB	PT - C1	ACT	ACT-2	CONC	CT-1	TILE	CT-2	PAINT SOFFIT C9; CT-3 ON WET WALL
108	CORRIDOR	GWB	PT - C1	ACT	ACT-2	CONC	CT-1	TILE	CT-2	
109	CORRIDOR	GWB	PT - C3	ACT	EX	CONC	CPT-1	RUBBER	RB-1	
110	OFFICE	GWB	PT - C3	ACT	EX	CONC	CPT-1	RUBBER	RB-1	PAINT WINDOW FRANE C3
111	OFFICE	GWB	PT - C3	ACT	EX	CONC	CPT-1	RUBBER	RB-1	
112	STAFF	GWB	PT - C3	ACT	EX	CONC	VCT-1	RUBBER	RB-1	
113	CONFERENCE ROOM	GWB	PT - C3	ACT	EX	CONC	CPT-1	RUBBER	RB-1	
114	DIRECTOR'S OFFICE	GWB	PT - C3	ACT	EX	CONC	CPT-1	RUBBER	RB-1	
115	RECEIVING	GWB	EX	ACT	EX	CONC	EX	RUBBER	EX	NO FINISH WORK IN THIS ROOM
116	RESTROOM	GWB	PT - C5	ACT	EX	CONC	VCT-1	TILE	CT-2	CT-3 ON WET WALL
117	TECHNICAL SERVICES	GWB	PT - C3	ACT	EX	CONC	CPT-1	RUBBER	RB-1	
118	MECHANICAL	GWB	NA	ACT	EX	CONC	NA	NONE	NA	
119	STORAGE	GWB	PT - C3	ACT	EX	CONC	VCT-1	RUBBER	RB-1	
120	STACKS	GWB	PT - C3	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	SEE FINISH PLAN FOR ACCENT FLOORING & PAINT
121	COMMUNITY ROOM	GWB	PT - C3	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	SEE FINISH PLAN FOR ACCENT PAINT
122	STORAGE	GWB	PT - C3	ACT	ACT-2	CONC	VCT-1	RUBBER	RB-1	
123	AFTER HOURS	GWB	PT - C3	ACT	ACT-1	CONC	VCT-1	RUBBER	RB-1	
124	SPRINKLER ROOM	GWB	PT - C3	ACT	EX	CONC	VCT-1	RUBBER	RB-1	
125	KITCHEN	GWB	PT - C3	ACT	EX	CONC	VCT-1	RUBBER	RB-1	
126	CLOS	GWB	PT - C3	ACT	EX	CONC	VCT-1	RUBBER	RB-1	
127	OFFICE	GWB	PT - C3	ACT	EX	CONC	CPT-1	RUBBER	RB-1	
128	VOLUNTEERS	GWB	PT - C3	ACT	EX	CONC	CPT-1	RUBBER	RB-1	
129	STUDY	GWB	PT - C3	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	
130	STUDY	GWB	PT - C3	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	
131	STUDY	GWB	PT - C3	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	
132	STUDY	GWB	PT - C3	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	
133	CHILDREN	GWB	PT - C3	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	SEE FINISH PLAN FOR ACCENT WALL COLOR
133A	CLOSET	GWB	PT - C3	ACT	ACT-2	CONC	CPT-1	RUBBER	RB-1	
133B	CLOSET	GWB	PT - C3	ACT	ACT-2	CONC	CPT-1	RUBBER	RB-1	
134	RESTROOM	GWB	PT - C1	GWB	PT - 9	CONC	CT-1	TILE	CT-2	
135	MEETING ROOM	GWB	PT - C1	ACT	ACT-2	CONC	LVT-1	RUBBER	RB-1	
136	MEETING ROOM	GWB	PT - C1	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	
137	MEETING ROOM	GWB	PT - C1	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	
138	MEETING ROOM	GWB	PT - C1	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	
139	STUDY	GWB	PT - C1	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	
140	STUDY	GWB	PT - C1	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	
141	CORRIDOR	GWB	PT - C1	ACT	ACT-1	CONC	CPT-1	RUBBER	RB-1	

LEGEND

ACT–1	ARMSTRONG LYRA PB VANILLA ASH
ACT–2	ARMSTRONG OPTIMA WHITE
AL	ALUMINUM
C1	COLOR – SW 9176 DRESS BLUES
C2	COLOR – SW 9684 AZURE TIDE
C3	COLOR – SW 7008 ALABASTER
C4	COLOR – SW 6710 MELANGE GREEN
C5	COLOR – SW 6718 OVERT GREEN
C6	COLOR – SW 6890 OSAGE ORANGE
C7	COLOR – SW 9605 CLOVE
C8	COLOR – TBD canopy
C9	COLOR – SW 7006 EXTRA WHITE
C10	COLOR – TBD CMU
CMU	CONCRETE MASONRY UNIT
CPT–1	CARPET – MOHAWK – OPTIC RESET – STITCHED FOCUS GT448 – 585 INDIGO
CPT–2	CARPET – FLOR – IN THE DEEP COBALT 21–1403–14
CPT–3	CARPET – FLOR – IN THE DEEP TIDAL 21–1403–53
CPT–4	CARPET – FLOR – IN THE DEEP – CLEMENTINE 21–1403–12
CPT–5	CARPET – TARKET – ASSERTIVE ACTION 04837 SMELTER
CT–1	18x24 FLOOR TILE – DALTILE – CALGARY AROMOR CG43 MATTE
CT–2	6x24 BASE TILE – DALTILE – CALGARY AROMOR CG43 MATTE
CT–3	WALL TILE – TILEFLY – COLORART WHITE CHEVRON
EX	EXISTING
GWB	GYPSUM WALL BOARD
HM	HOLLOW METAL
IG	GLAZING – INSULATING GLASS UNITS
MTL	METAL
NA	NOT APPLICABLE
PLAM–1	LAMINATE – WILSONART – 8296 SOLSTICE
PT	PAINT
PWD	POWDER COAT
QT–1	QUARTZ – WILSONART – Q4068 NOVA SERRANA
RB–1	RUBBER BASE – ROPPE #65 VERTICAL 150 DARK GRAY
SG	GLAZING – TEMPERED GLASS UNITS
SH–1	SHADE – DRAPER FLEXSHADE ELEVATE
SH–2	SHADE – DRAPER CLUTCH–OPERATED FLEXSHADE DUAL SHADE WITH BLACKOUT SHADES.
TPT–1	TOILET PARTITIONS – HPDE FLOOR MOUNTED OVERHEAD BRACED SHIP LAPPED EDGES ECLIPSE SERIES – SHALE
TR–1	TRIM CHAIR RAIL – NEW MOLDINGS EWCH19 3 1/2" x 11/16"
VCT–1	VINYL FLOORING – ARMSTRONG 51861 SOFT WARM GRAY
WD	WOOD

NOTES

1. SEE PLAN DRAWINGS FOR ROOM, DOOR AND WINDOW NUMBERS.
2. SEE SPECIFICATIONS FOR PRODUCT INFORMATION.

AMCJr.
ALBERT M. COMLY JR.
ARCHITECT

CONSULTANTS

SEAL

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND THE ARCHITECT NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION

DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

FINISH SCHEDULES & PLAN

SCALE: AS NOTED
DRAWN:
CHECKED:
APPROVED:
DATE: AUGUST 21, 2026

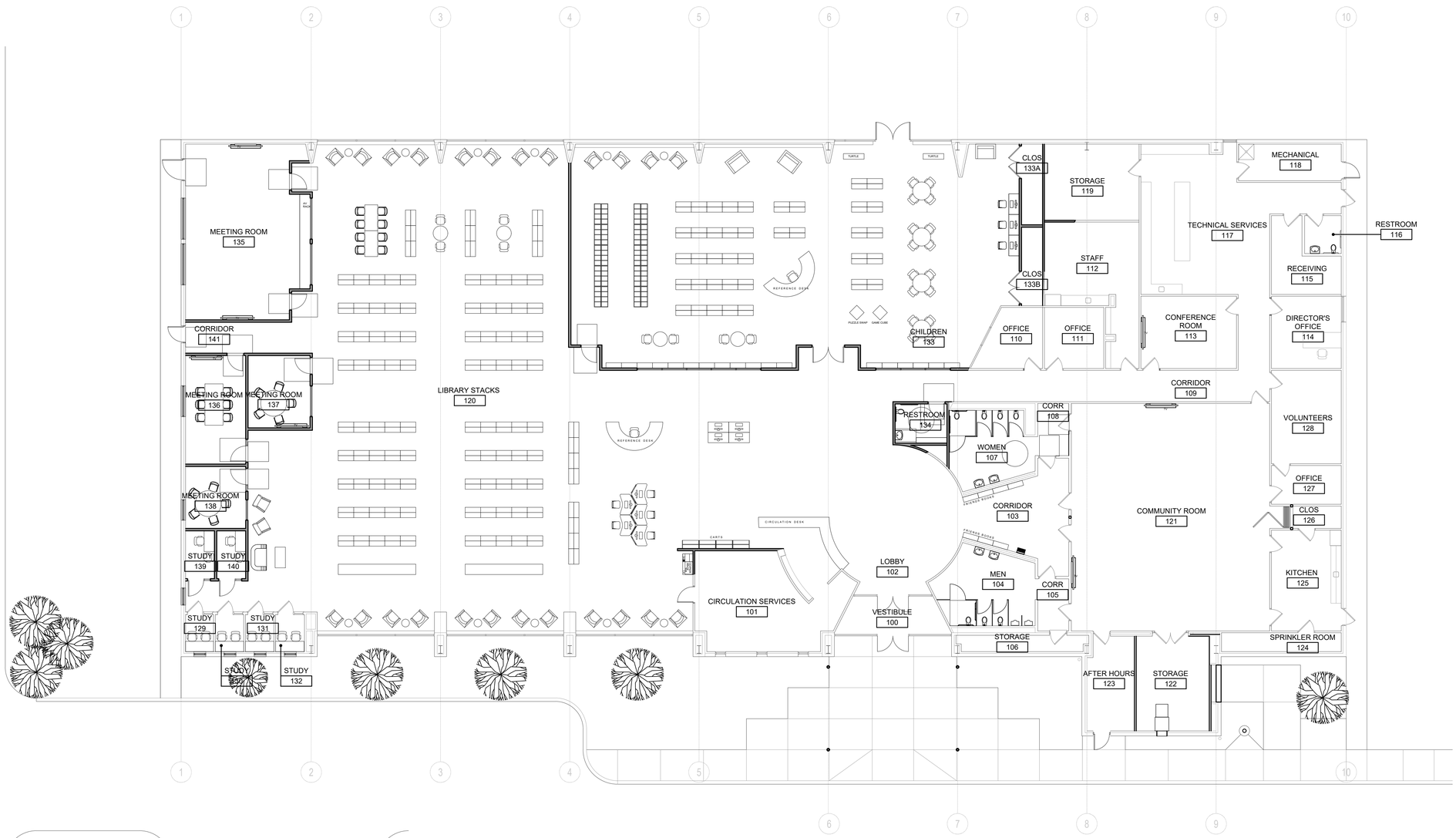
REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

A-602

BID DOCUMENTS



1 FLOOR PLAN
SCALE= 3/32" = 1'-0"

PROVIDED FOR INFORMATION ONLY. FURNITURE = NIC.

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PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
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DRAWING TITLE

FURNITURE PLAN

SCALE AS NOTED
DRAWN
CHECKED
APPROVED
DATE AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

F-101
BID DOCUMENTS

ABBREVIATIONS

MID

L	Angle	EXCAV	Excavation	PLF	Pounds Per Linear Foot
AB	Anchor Bolt	FB	Factory-Built	PLWD	Plywood
ADDL	Additional	FD	Floor Drain	PREFAB	Prefabricated
ADH	Adhesive	FDN	Foundation	PSF	Pounds per Square Foot
ALT	Alternate	FIN	Finish	PSI	Pounds Per Square Inch
ARCH	Architectural	FLR	Floor	PSL	Parallel Strand Lumber
B or BOT	Bottom	FRP	Fiberglass Reinforced Plastic	PT	Pressure Treated
B/	Bottom Of	FRT	Fire Retardant Treated	P-T	Post-Tensioned
BF	Braced Frame	FTG	Footing	R	Radius
BLDG	Building	F/	Face of	RD	Roof Drain
BLKG	Blocking	GA	Gage	REF	Refer/Reference
BMU	Brick Masonry Unit	GALV	Galvanized	REINF	Reinforcing
BP	Baseplate	GEOTECH	Geotechnical	REQD	Required
BRBF	Buckling Restrained Braced Frame	GL	Glue Laminated Timber	RET	Retaining
		GWB	Gypsum Wall Board	RS	Rough Sawn
BTWN	Between	HD	Hold-down	SB	Site-Built
BRG	Bearing	HDR	Header	SCBF	Special Concentric Braced Frame
C	Camber	HEF	Horizontal Each Face		
CANT	Cantilever	HF	Hem-Fir	SCHED	Schedule
CB	Castellated Beam	HGR	Hanger	SER	Structural Engineer of Record
C'BORE	Counterbore	HORIZ	Horizontal		
CL or ℄	Centerline	HP	High Point	SF	Square Foot
CLT	Cross-Laminated Timber	HSS = TS	(Hollow Structural Section)	SFRS	Seismic Force-Resisting System
CIP	Cast in Place	IBC	International Building Code		
CFMF	Cold Formed Metal Framing	ID	Inside Diameter	SHTHG	Sheathing
		IE	Invert Elevation	SIM	Similar
CFS	Cold Formed Steel	IF	Inside Face	SLBB	Short Leg Back-to-Back
CJ	Construction or Control Joint	INT	Interior	SMF	Special Moment Frame
		k	Kips	SOG	Slab on Grade
CJP	Complete Joint Penetration	KSF	Kips Per Square Foot	SP	Southern Pine
		LF	Lineal Foot	SPEC	Specification
CLR	Clear	LL	Live Load	SR	Studrail
CLG	Ceiling	LLBB	Long Leg Back-to-Back	SST	Stainless Steel
CMU	Concrete Masonry Unit	LLH	Long Leg Horizontal	STAGG	Stagger/Staggered
COL	Column	LLV	Long Leg Vertical	STD	Standard
CONC	Concrete	LONGIT	Longitudinal	STIFF	Stiffener
CONN	Connection	LP	Low Point	STL	Steel
CONST	Construction	LSL	Laminated Strand Lumber	STRUCT	Structural
CONT	Continuous	LVL	Laminated Veneer Lumber	SQ	Square
C'SINK	Countersink	LW	Light Weight	SWWJ	Solid Web Wood Joist
CTRD	Centered	MAS	Masonry	SYM	Symmetrical
DIA or Ø	Diameter	MAX	Maximum	T	Top
DIAG	Diagonal	MECH	Mechanical	T&B	Top & Bottom
DB	Drop Beam	MEP	Mechanical, Electrical, Plumbing	TC AX LD	Top Chord Axial Load
DBA	Deformed Bar Anchor			TCX	Top Chord Extension
DBL	Double	MEZZ	Mezzanine	TDS	Tie Down System
DEMO	Demolish	MF	Moment Frame	TDSE	Turned Down Slab Edge
DEV	Development	MFR	Manufacturer	THKND	Thickened
DF	Douglas Fir	MIN	Minimum	THRD	Threaded
DIST	Distributed	MISC	Miscellaneous	THRU	Through
DL	Dead Load	NIC	Not In Contract	TRANSV	Transverse
DN	Down	NLT	Nail-Laminated Timber	TS	Thickened Slab
DO	Ditto	NTS	Not To Scale	TYP	Typical
DP	Depth/Deep	NW	Normal Weight	T&G	Tongue & Groove
DWG	Drawing	OC	On Center	T/	Top Of
(E)	Existing	OCBF	Ordinary Concentric Braced Frame	UNO	Unless Noted Otherwise
EA	Each			URM	Unreinforced Masonry Unit
EF	Each Face	OD	Outside Diameter		
EL	Elevation	OF	Outside Face	VEF	Vertical Each Face
ELEC	Electrical	OPNG	Opening	VERT	Vertical
ELEV	Elevator	OPP	Opposite	VIF	Verify In Field
EMBED	Embedment	OWSJ	Open Web Steel Joist	W	Wide
EQ	Equal	OWWJ	Open Web Wood Joist	WHS	Welded Headed Stud
EQUIP	Equipment	PAF	Powder Actuated Fastener	WP	Working Point
EW	Each Way	PC	Precast	WWF	Welded Wire Fabric
EXP	Expansion	PERP	Perpendicular	W/	With
EXP JT	Expansion Joint	PJP	Partial Joint Penetration	W/O	Without
EXT	Exterior	PL	Plate	±	Plus or Minus

DRAWING LEGEND

MID

MARK	DESCRIPTION	MARK	DESCRIPTION
F2.0	FOOTING SYMBOL (REFER TO SPREAD FOOTING SCHEDULE)		INDICATES WIDE FLANGE COLUMN
P1	PILE CAP SYMBOL (REFER TO PILE CAP SCHEDULE)		INDICATES HOLLOW STRUCTURAL SECTION (HSS) COLUMN OR TUBE STEEL (TS) COLUMN
1	TILT-UP/PRECAST CONCRETE WALL CONNECTION SYMBOL (REFER TO CONNECTION DETAIL)		INDICATES HOLLOW STRUCTURAL SECTION (HSS) COLUMN OR STEEL PIPE COLUMN
2W4	SHEAR WALL SYMBOL (REFER TO SHEAR WALL SCHEDULE)		INDICATES WOOD POST
0 RFI 00	REVISION TRIANGLE		INDICATES BUNDLED STUDS
1	TILT-UP/PRECAST CONCRETE WALL PANEL NUMBER (REFER TO TILT-UP/ PRECAST CONCRETE WALL ELEVATIONS)		INDICATES CONCRETE COLUMN
1	CMU WALL REINFORCING SYMBOL (REFER TO CMU WALL REINFORCING SCHEDULE)		INDICATES PRECAST CONCRETE COLUMN
8"	CONTINUITY PLATE LENGTH (REFER TO TYPICAL DETAIL)		INDICATES MOMENT FRAME CONNECTION
DS	INDICATES DOUBLE SHEAR CONNECTION (REFER TO THE DOUBLE SHEAR PLATE CONNECTIONS DETAIL)		INDICATES PARTIALLY RESTRAINED MOMENT FRAME CONNECTION
00TB	INDICATES REINFORCING TYPE (REFER TO THE REINFORCING SCHEDULE)		INDICATES CANTILEVER CONNECTION
SR__	INDICATES NUMBER OF STUD RAIL REQUIRED AT COLUMN (REFER TO STUD RAIL DETAILS)		INDICATES DRAG CONNECTION
1	ROOF/FLOOR DIAPHRAGM NAILING SYMBOL (REFER TO DIAPHRAGM NAILING SCHEDULE)		INDICATES A LEDGER
	INDICATES DIRECTION OF DECK SPAN		INDICATES WOOD OR STEEL STUD BEARING WALL LINE PER KEY ON SHEET
T/FTG = X'-X"	ELEVATION SYMBOL (T/ REFERS TO COMPONENT THAT THE ELEVATION REFERENCES)	OR	INDICATES WOOD OR STEEL STUD SHEAR WALL LINE AND HOLD-DOWNS PER KEY ON SHEET
3	STUD BUBBLE (INDICATES NUMBER OF STUDS REQUIRED IF EXCEEDS NUMBER SPECIFIED IN PLAN NOTE)		INDICATES MASONRY/CMU WALL
STEP	INDICATES STEP IN FOOTING (REFER TO TYPICAL STEP IN FOOTING DETAIL)		INDICATES CONCRETE/TILT-UP CONCRETE WALL
XX S.XXX	DETAILS OR SECTION CUT (DETAIL NUMBER/SHEET NUMBER)		INDICATES BEARING WALL ABOVE
00 S0.0	DETAILS OR SECTION CUT IN PLAN VIEW (DETAIL NUMBER/SHEET NUMBER)		INDICATES EXISTING WALL OR NEW CONSTRUCTION BY OTHERS
XX/SXX.XX	INDICATES LOCATION OF CONCRETE WALLS, SHEAR WALLS OR BRACED FRAME ELEVATIONS		POST-TENSION DEAD END (PLAN)
	STRUCTURAL EXTENT SYMBOL SINGLE ARROW - END OF EXTENT DOUBLE ARROW - CONTINUOUS EXTENT ALONG THE ELEMENT LINE UNTIL THE ELEMENT IS INTERRUPTED		POST-TENSION STRESSING END (PLAN)
		3	POST-TENSION PROFILE (PLAN) (IN INCHES)
	INDICATES APPROXIMATE LOCATION OF PENETRATION THROUGH FRAMING MEMBER		INTERMEDIATE STRESSING (PLAN)
	INDICATES BOTTOM CHORD EXTENSIONS TO BE PROVIDED AT OWSJ'S ON COLUMN CENTER LINES		INDICATES REQUIRED SHORING (PLAN)
	INDICATES THE CRIPPLE POINT IN STEEL MEMBER, REFER TO TYP DETAIL FOR ADDL INFORMATION		

STRUCTURAL SHEET LIST

SHEET NUMBER	SHEET TITLE
S-001	COVER SHEET
S-002	GENERAL NOTES
S-003	GENERAL NOTES
S-004	GENERAL NOTES
S-005	SCHEDULE OF SPECIAL INSPECTIONS
S-101	FOUNDATION PLAN
S-102	ROOF FRAMING PLAN
S-400	FOUNDATION DETAILS & SECTIONS
S-500	FRAMING DETAILS & SECTIONS
Sheet Total: 9	

PRICING NOTE: THESE DOCUMENTS REPRESENT THE CURRENT STATE OF A DEVELOPING DESIGN AND AS SUCH, NOT ALL CONDITIONS ARE CURRENTLY SHOWN. ALL STRUCTURAL DETAILS AND CONNECTIONS SHOULD BE ACCOUNTED FOR IN THE GENERAL CONTRACTOR PRICE AND SCOPE OF SERVICES, WHETHER THE SPECIFICS OF THESE CONDITIONS ARE SHOWN OR NOT SHOWN ON THESE DOCUMENTS

FOR BID (NOT FOR CONSTRUCTION)
These drawings have been released at the request of the client for the purpose of bidding. These drawings are not intended for purposes of obtaining a permit or construction.

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CIVIL / STRUCTURAL

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SEAL

DCI PROJECT: 26191-0324
CONTACT: C. ULRICH

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DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY INTERIOR IMPROVEMENTS

650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

COVER SHEET

SCALE	1/8" = 1'-0"
DRAWN	BIM
CHECKED	BIM
APPROVED	STK
DATE	08/21/2026

REVISIONS

SYMBOL	DATE	DESCRIPTION
1	08/21/2026	BID SET

DRAWING #

S-001

01.00.00 GENERAL REQUIREMENTS

1. **GOVERNING CODE:** THE DESIGN AND CONSTRUCTION OF THIS PROJECT IS GOVERNED BY THE "INTERNATIONAL BUILDING CODE (IBC)," 2021 EDITION, HEREAFTER REFERRED TO AS THE IBC, AS ADOPTED AND MODIFIED BY THE CITY OF BLUE BELL, PA UNDERSTOOD TO BE THE AUTHORITY HAVING JURISDICTION (AHJ).

2. **REFERENCE STANDARDS:** REFER TO CHAPTER 35 OF THE 2021 IBC. WHERE OTHER STANDARDS ARE NOTED IN THE DRAWINGS, USE THE LATEST EDITION OF THE STANDARD UNLESS A SPECIFIC DATE IS INDICATED. REFERENCE TO A SPECIFIC SECTION IN A CODE DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE ENTIRE STANDARD.

3. **DEFINITIONS:** THE FOLLOWING DEFINITIONS COVER THE MEANINGS OF CERTAIN TERMS USED IN THESE NOTES:
   - 3.1. "ARCHITECT/ENGINEER" - THE ARCHITECT OF RECORD AND THE STRUCTURAL ENGINEER OF RECORD.
   - 3.2. "STRUCTURAL ENGINEER OF RECORD" (SER) - THE STRUCTURAL ENGINEER WHO IS LICENSED TO STAMP AND SIGN THE STRUCTURAL DOCUMENTS FOR THE PROJECT. THE SER IS RESPONSIBLE FOR THE DESIGN OF THE PRIMARY STRUCTURAL SYSTEM.
   - 3.3. "SUBMIT FOR REVIEW" - SUBMIT TO THE ARCHITECT/SER FOR REVIEW PRIOR TO FABRICATION OR CONSTRUCTION.
   - 3.4. "PER PLAN" - INDICATES REFERENCES TO THE STRUCTURAL PLANS, ELEVATIONS, AND STRUCTURAL GENERAL NOTES.
   - 3.5. "SPECIALTY STRUCTURAL ENGINEER" (SSE) - A PROFESSIONAL ENGINEER (PE OR SE), LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED (TYPICALLY NOT THE SER), WHO PERFORMS SPECIALTY STRUCTURAL ENGINEERING SERVICES FOR SELECTED SPECIALTY-ENGINEERED ELEMENTS IDENTIFIED IN THE CONTRACT DOCUMENTS AND WHO HAS EXPERIENCE AND TRAINING IN THE SPECIALTY. DOCUMENTS STAMPED AND SIGNED BY THE SSE SHALL BE COMPLETED BY, OR UNDER, THE DIRECT SUPERVISION OF THE SSE.
   - 3.6. "BIDDER-DESIGNED" - COMPONENTS OF THE STRUCTURE THAT REQUIRE THE GENERAL CONTRACTOR, SUBCONTRACTOR, OR SUPPLIER WHO IS RESPONSIBLE FOR THE DESIGN, FABRICATION, AND INSTALLATION OF SPECIALTY-ENGINEERED ELEMENTS IDENTIFIED IN THE CONTRACT DOCUMENTS TO RETAIN THE SERVICES OF AN SSE. SUBMITTALS OF "BIDDER-DESIGNED" ELEMENTS SHALL BE STAMPED AND SIGNED BY THE SSE.

4. **SPECIFICATIONS:** REFER TO THE PROJECT SPECIFICATIONS ISSUED AS PART OF THE CONTRACT DOCUMENTS FOR INFORMATION SUPPLEMENTAL TO THESE DRAWINGS.

5. **OTHER DRAWINGS:** REFER TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, CIVIL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION INCLUDING, BUT NOT LIMITED TO, DIMENSIONS, ELEVATIONS, SLOPES, DOOR AND WINDOW OPENINGS, NON-BEARING WALLS, STAIRS, FINISHES, DRAINS, WATERPROOFING, RAILINGS, CURTAIN WALLS, ELEVATORS, CURBS, DEPRESSIONS, MECHANICAL UNIT LOCATIONS, AND OTHER NON-STRUCTURAL ITEMS.

6. **STRUCTURAL DETAILS:** THE STRUCTURAL DRAWINGS ARE INTENDED TO SHOW THE GENERAL CHARACTER AND EXTENT OF THE PROJECT AND ARE NOT INTENDED TO SHOW ALL DETAILS OF THE WORK. USE ENTIRE DETAIL SHEETS AND SPECIFIC DETAILS REFERENCED IN THE PLANS AS "TYPICAL" WHEREVER THEY APPLY. SIMILARLY, USE DETAILS ON ENTIRE SHEETS WITH "TYPICAL" IN THE NAME WHEREVER THEY APPLY.

7. **STRUCTURAL RESPONSIBILITIES:** THE SER IS RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE PRIMARY STRUCTURE IN ITS COMPLETED FORM.

8. **COORDINATION:** THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING DETAILS AND ACCURACY OF THE WORK, CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES, TECHNIQUES OF ASSEMBLY, AND PERFORMING WORK IN A SAFE AND SECURE MANNER. ALL DIMENSIONS IN STRUCTURAL DRAWINGS WERE DEVELOPED BY OTHER DISCIPLINES. SCALING OF STRUCTURAL DRAWINGS TO DETERMINE ELEMENTS IS NOT PERMITTED.

9. **EXISTING CONDITIONS:** INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENT THE PRESENT KNOWLEDGE BUT WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH CONTRACT DOCUMENTS TO THE ARCHITECT OR SER. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE ARCHITECT AND/OR SER. ALL EXISTING DIMENSIONS AND INFORMATION SHALL BE FIELD VERIFIED PRIOR TO FABRICATION AS REQUIRED TO COORDINATE WITH NEW CONSTRUCTION.

10. **NEW CONSTRUCTION:** THE CONTRACTOR SHALL REMOVE ALL INTERFERING ITEMS FOR NEW CONSTRUCTION AND SHALL REPAIR OR REPLACE ALL REMOVED ITEMS TO MATCH THE EXISTING CONDITIONS IN ACCORDANCE WITH THE ARCHITECTURAL DRAWINGS. NEW CONSTRUCTION ELEMENTS SHALL BE DESIGNED AND INSTALLED PER THE CURRENT IBC AS ALLOWED BY THE IBC.

11. **MEANS, METHODS, AND SAFETY REQUIREMENTS:** THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND ALL JOB-RELATED SAFETY STANDARDS SUCH AS OSHA AND DOSH (DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH). THE CONTRACTOR IS RESPONSIBLE TO ADHERE TO OSHA REGULATIONS REGARDING STEEL ERECTION ITEMS SPECIFICALLY ADDRESSED IN THE LATEST OSHA REGULATIONS. BOLTING AND FIELD WELDING AT ALL MEMBER CONNECTIONS IS TO BE COMPLETED PRIOR TO THE RELEASE OF THE MEMBER FROM THE HOISTING MECHANISM UNLESS REVIEWED AND APPROVED BY THE GENERAL CONTRACTOR'S TEMPORARY BRACING AND/OR SHORING DESIGN ENGINEER. THE CONSTRUCTION DOCUMENTS REPRESENT THE COMPLETED STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION RELATED TO THE INTERMEDIATE STRUCTURAL CONDITIONS (I.E., MOVEMENT OF THE STRUCTURE DUE TO MOISTURE AND THERMAL EFFECTS, CONSTRUCTION SEQUENCE, TEMPORARY BRACING, ETC.).

12. **BRACING/SHORING DESIGN ENGINEER:** THE CONTRACTOR SHALL, AT THEIR DISCRETION, EMPLOY AN SSE FOR THE DESIGN OF ANY TEMPORARY BRACING AND SHORING. SUBMIT CONSTRUCTION SEQUENCE TO ARCHITECT/ENGINEER FOR REVIEW.

13. **TEMPORARY SHORING, BRACING:** THE CONTRACTOR IS RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION AND SHALL PROVIDE TEMPORARY SHORING, BRACING, AND OTHER ELEMENTS REQUIRED TO MAINTAIN STABILITY UNTIL THE STRUCTURE IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH THE WORK REQUIRED IN THE CONSTRUCTION DOCUMENTS AND THE REQUIREMENTS FOR EXECUTING IT PROPERLY.

14. **CONSTRUCTION LOADS:** LOADS ON THE STRUCTURE DURING CONSTRUCTION SHALL NOT EXCEED THE DESIGN LOADS AS NOTED IN DESIGN CRITERIA AND LOADS SECTION OF THESE GENERAL NOTES OR THE CAPACITY OF PARTIALLY COMPLETED CONSTRUCTION AS DETERMINED BY THE CONTRACTOR'S SSE FOR BRACING/SHORING.

15. **CHANGES IN LOADING:** THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY THE SER OF ANY ARCHITECTURAL, MECHANICAL, ELECTRICAL, OR PLUMBING LOAD IMPOSED ONTO THE STRUCTURE THAT DIFFERS FROM, OR THAT IS NOT DOCUMENTED ON, THE ORIGINAL CONTRACT DOCUMENTS (ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, OR PLUMBING DRAWINGS). PROVIDE DOCUMENTATION OF THE LOCATION, LOAD, SIZE, AND ANCHORAGE OF ALL UNDOCUMENTED LOADS IN EXCESS OF 400 LB. PROVIDE MARKED-UP STRUCTURAL PLANS INDICATING THE LOCATIONS OF ANY NEW EQUIPMENT OR LOADS. SUBMIT THESE PLANS TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO INSTALLATION.

16. **NOTE PRIORITIES:** PLAN AND DETAIL NOTES AND SPECIFIC LOADING DATA PROVIDED ON INDIVIDUAL PLANS AND DETAIL DRAWINGS SUPPLEMENTS INFORMATION IN THESE GENERAL NOTES.

17. **DISCREPANCIES:** IN CASE OF DISCREPANCIES BETWEEN THE GENERAL NOTES, SPECIFICATIONS, PLANS/DETAILS, OR REFERENCE STANDARDS, THE ARCHITECT/ENGINEER SHALL DETERMINE WHICH SHALL GOVERN. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK. SHOULD ANY DISCREPANCY BE FOUND IN THE CONTRACT DOCUMENTS, THE CONTRACTOR WILL BE DEEMED TO HAVE INCLUDED IN THE PRICE THE MOST EXPENSIVE WAY OF COMPLETING THE WORK UNLESS PRIOR TO THE SUBMISSION OF THE PRICE, THE CONTRACTOR ASKS FOR A DECISION FROM THE ARCHITECT AS TO WHICH SHALL GOVERN. ACCORDINGLY, ANY CONFLICT IN OR BETWEEN THE CONTRACT DOCUMENTS SHALL NOT BE A BASIS FOR ADJUSTMENT IN THE CONTRACT PRICE.

18. **SITE VERIFICATION:** THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE. CONFLICTS BETWEEN THE DRAWINGS AND ACTUAL SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.

19. **ADJACENT UTILITIES:** THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL ADJACENT UNDERGROUND UTILITIES PRIOR TO EARTHWORK, FOUNDATION WORK, SHORING AND EXCAVATION. ANY UTILITY INFORMATION SHOWN ON THE DRAWINGS AND DETAILS IS APPROXIMATE AND NOT NECESSARILY COMPLETE.

20. **ALTERNATES:** ALTERNATE PRODUCTS OF SIMILAR STRENGTH, NATURE, AND FORM FOR SPECIFIED ITEMS MAY BE SUBMITTED WITH ADEQUATE TECHNICAL DOCUMENTATION (PROPER TEST REPORT, ETC.) TO THE ARCHITECT/ENGINEER FOR REVIEW. ALTERNATE MATERIALS THAT ARE SUBMITTED WITHOUT ADEQUATE TECHNICAL DOCUMENTATION OR THAT SIGNIFICANTLY DEVIATE FROM THE DESIGN INTENT OF MATERIALS SPECIFIED MAY BE RETURNED WITHOUT REVIEW. ALTERNATES THAT REQUIRE SUBSTANTIAL EFFORT TO REVIEW WILL NOT BE REVIEWED UNLESS AUTHORIZED BY THE OWNER.

21. **ADDITIONS/ALTERATIONS/REPAIRS:**
    - 21.1. ADDITIONS, ALTERATIONS, AND/OR REPAIRS TO THE EXISTING STRUCTURE HAVE BEEN ANALYZED FOR ADDITIONAL LOADING AND/OR MODIFICATION DUE TO THE ADDITION, ALTERATION, OR REPAIR.
    - 21.2. ALL AFFECTED EXISTING MEMBERS HAVE BEEN ANALYZED OR REINFORCED AS REQUIRED PER THE IEBC.
    - 21.3. ALL DEMOLITION OR REMOVAL OF ARCHITECTURAL, MECHANICAL, OR STRUCTURAL ELEMENTS SHALL NOT DAMAGE STRUCTURAL ITEMS TO REMAIN.

01.10.00 DESIGN CRITERIA AND LOADS

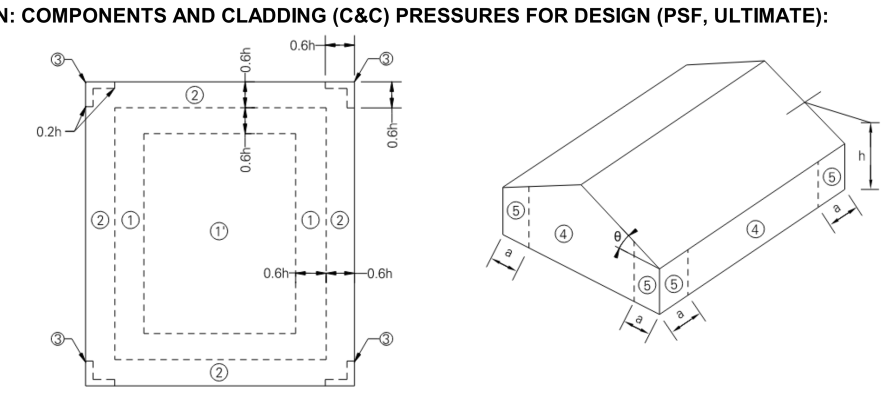
1. **OCCUPANCY:**

RISK CATEGORY OF BUILDING PER IBC TABLE 1604.5	III

2. **WIND DESIGN: MAIN WIND FORCE RESISTING SYSTEM:**

ULTIMATE DESIGN WIND SPEED, V_{ULT}	123 MPH
EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFFICIENT, C_{pi}	±0.55
TOPOGRAPHIC FACTOR, K_{zt}	1.0
WIND ANALYSIS PROCEDURE USED	DIRECTIONAL

3. **WIND DESIGN: COMPONENTS AND CLADDING (C&C) PRESSURES FOR DESIGN (PSF, ULTIMATE):**



PLAN ISOMETRIC

EFFECTIVE WIND AREA (FT²)

a = 3'-0"	10	20	50	100	500
ZONE 1	-43 / +16	-40 / +16	-37 / +16	-35 / +16	-29 / +16
ZONE 1'	-28 / +16	-28 / +16	-28 / +16	-28 / +16	-21 / +16
ZONE 2	-54 / +16	-51 / +16	-47 / +16	-44 / +16	-37 / +16
ZONE 3	-71 / +16	-65 / +16	-57 / +16	-51 / +16	-37 / +16
ZONE 4	-29 / +28	-28 / +27	-27 / +26	-26 / +25	-24 / +23
ZONE 5	-34 / +28	-33 / +27	-30 / +26	-28 / +25	-24 / +23

   - 3.1. COMPONENTS AND CLADDING WIND PRESSURES ARE BASED ON ASCE 7 CHAPTER 30 PART 1 "LOW-RISE BUILDINGS."
   - 3.2. COMPONENTS AND CLADDING ZONE LOCATIONS ARE BASED ON ASCE 7 FIGURE 30.3-2A FOR FLAT ROOFS.
   - 3.3. FOR PARAPETS AROUND THE PERIMETER OF THE ROOF EQUAL TO OR TALLER THAN 3', PRESSURES FROM ZONE 3 ARE TREATED AS ZONE 2.
   - 3.4. COMPONENTS AND CLADDING ZONE LOCATIONS ARE BASED ON ASCE 7 FIGURE 30.3-1 FOR WALLS.
   - 3.5. ALL PARAPET COMPONENTS AND CLADDING WIND PRESSURES SHALL BE DETERMINED THROUGH ASCE 7 FIGURE 30.6-1.

4. **SEISMIC DESIGN:**

SEISMIC DESIGN CATEGORY, SDC	B
SITE CLASS PER IBC SECTION 1613.3.2 AND ASCE 7 CHAPTER 20	B
SEISMIC IMPORTANCE FACTOR PER ASCE 7 TABLE 1.5-2, I_e	1.0
SPECTRAL RESPONSE ACCELERATION (SHORT PERIOD), S_S	0.185 g
SPECTRAL RESPONSE ACCELERATION (1-SECOND PERIOD), S_1	0.048 g
DESIGN RESPONSE ACCELERATION (SHORT PERIOD), S_{DS}	0.197 g
DESIGN RESPONSE ACCELERATION (SHORT PERIOD), S_{D1}	0.077 g
SEISMIC ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE
BASIC STRUCTURAL SYSTEM	BUILDING FRAME SYSTEMS

5. **SNOW LOAD:**

FLAT ROOF SNOW LOAD, P_f	25 PSF [NOTE 5.1]
SNOW LOAD IMPORTANCE FACTOR, I_s	1.10 [NOTE 5.3]
GROUND SNOW LOAD, P_g	30 PSF
SNOW EXPOSURE FACTOR, C_e	0.9
THERMAL FACTOR, C_t	1.0
SEE ROOF PLAN FOR DRIFT LOADING	

   - 5.1. SNOW LOAD IS UN-REDUCIBLE AND INCLUDES 5 PSF RAIN-ON-SNOW SURCHARGE WHERE GROUND SNOW LOAD IS 20 PSF OR LESS, BUT NOT ZERO, PER ASCE 7 SECTION 7.10.
   - 5.2. SNOW LOAD BASED ON ASCE FIGURE 7-1.
   - 5.3. SNOW LOAD IMPORTANCE FACTOR PER ASCE 7 TABLE 1.5-2.

6. **DESIGN LIVE LOADS:** SEE DESIGN LOAD SCHEDULE AT THE END OF THE GENERAL NOTES FOR ALL LIVE LOAD AREA LOAD REQUIREMENTS. LOADS LISTED BELOW ARE FOR MISCELLANEOUS ITEMS.

AREA	LIVE LOADS
STAIRS AND EXITS	100 PSF OR 300 LB [NOTE 6.2]
FAÇADE ACCESS EQUIPMENT / LIFELINE SUPPORTS	2.5 * RATED HOIST LOAD (PER IBC SECTIONS 1607.9.3 AND 1607.9.4) AND 3,100 LB IN ANY DIRECTION (LIFELINE)
INTERIOR WALLS AND PARTITIONS	5 (APPLIED HORIZONTALLY)
ROOFS	30 PSF (REDUCIBLE) OR 300 LB [NOTE]. SEE SECTION 5 FOR SNOW LOAD

   - 6.1. TOP RAIL SHALL BE DESIGNED TO RESIST A 50 PLF LINE LOAD OR 200 LB POINT LOAD APPLIED IN ANY DIRECTION AT ANY POINT. INTERMEDIATE RAILS (ALL THOSE EXCEPT THE HANDRAIL), BALUSTERS, AND PANEL FILLERS SHALL BE DESIGNED TO WITHSTAND A HORIZONTALLY APPLIED NORMAL LOAD OF 50 LB ON AN AREA NOT TO EXCEED 1'x1'. THESE THREE LOADS ARE TO BE CONSIDERED SEPARATELY WITH THE WORST CASE USED FOR DESIGN.
   - 6.2. STAIR LOADING REQUIREMENTS:
     - 6.2.1. TREADS: STAIR TREADS SHALL BE DESIGNED FOR A 100 PSF LIVE LOAD OR 300 LB POINT LOAD LOCATED TO PRODUCE MAXIMUM STRESS, WHICHEVER CONTROLS. THE 300 LB POINT LOAD SHALL BE PLACED OVER 2"x2" AREA. BOTH LOADS ARE TO BE CONSIDERED SEPARATELY WITH THE WORST CASE USED FOR DESIGN.
     - 6.2.2. STRINGERS AND LANDINGS: STRINGERS AND LANDINGS SHALL BE DESIGNED FOR A 100 PSF LIVE LOAD. LIVE LOAD DEFLECTION SHALL NOT EXCEED 1/360 OF THE SPAN.
     - 6.2.3. RAILINGS: THE COMPLETED HANDRAIL, GUARDRAIL, AND SUPPORTING STRUCTURE AND THEIR CONNECTIONS SHALL BE DESIGNED TO RESIST LOADS AS SPECIFIED IN IBC SECTION 1607.8.

7. **DESIGN DEAD LOADS:** SEE DESIGN LOAD SCHEDULE AT THE END OF THE GENERAL NOTES FOR ALL DEAD LOAD AREA LOAD REQUIREMENTS. LOADS LISTED BELOW ARE FOR MISCELLANEOUS ITEMS.

01.20.00 SUBMITTALS

1. **SUBMIT FOR REVIEW:** SUBMITTALS OF SHOP DRAWINGS, PRODUCT DATA, AND MILL TESTS ARE REQUIRED FOR ITEMS NOTED IN THE INDIVIDUAL MATERIALS SECTIONS OF THESE GENERAL NOTES AND FOR BIDDER-DESIGNED ELEMENTS. STRUCTURAL DRAWINGS SHALL NOT BE REPRODUCED TO CREATE SHOP DRAWINGS OR SHORING DOCUMENTATION WITHOUT THE EXPRESS WRITTEN CONSENT OF DCI ENGINEERS.

2. **SUBMITTAL REVIEW PERIOD:** SUBMITTALS SHALL BE MADE IN TIME TO PROVIDE A MINIMUM OF TWO WEEKS OR TEN WORKING DAYS FOR REVIEW BY THE ARCHITECT/ENGINEER PRIOR TO THE ONSET OF FABRICATION.

3. **GENERAL CONTRACTOR'S PRIOR REVIEW:** PRIOR TO SUBMISSION TO THE ARCHITECT/ENGINEER, THE CONTRACTOR SHALL REVIEW THE SUBMITTAL FOR COMPLETENESS. DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE SER; THEREFORE, THEY MUST BE VERIFIED BY THE GENERAL CONTRACTOR. THE CONTRACTOR SHALL PROVIDE ANY NECESSARY DIMENSIONAL DETAILS REQUESTED BY THE DETAILER AND PROVIDE THE CONTRACTOR'S REVIEW STAMP AND SIGNATURE BEFORE FORWARDING TO THE ARCHITECT/ENGINEER.

4. **SHOP DRAWING REVIEW:** ONCE THE CONTRACTOR HAS COMPLETED THEIR REVIEW, THE SER WILL REVIEW THE SUBMITTAL FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND THE CONTRACT DOCUMENTS OF THE BUILDING AND WILL STAMP THE SUBMITTAL ACCORDINGLY. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, NOR DEPARTURES THERE FROM. THE SER WILL RETURN SUBMITTALS IN THE FORM IN WHICH THEY ARE SUBMITTED (EITHER HARD COPY OR ELECTRONIC). FOR HARD COPY SUBMITTALS, THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE REQUIRED NUMBER OF COPIES TO THE SER FOR REVIEW. PRIOR TO THE FIRST SUBMITTAL, CONTRACTOR SHALL PROVIDE DESIGN TEAM WITH A SHOP DRAWING SUBMITTAL SCHEDULE TO ALLOW THE SER APPROPRIATE NOTICE OF SUBMITTALS, DUE DATES AND ALLOW FOR THE APPROPRIATE STAFFING. REVIEW OF "MAKE CORRECTIONS NOTED" SHOP DRAWINGS BEYOND ONE RE-SUBMITTAL WILL REQUIRE ADDITIONAL FEE.

5. **SHOP DRAWING DEVIATIONS:** WHEN SHOP DRAWINGS (COMPONENT DESIGN DRAWINGS) DIFFER FROM OR ADD TO THE REQUIREMENTS OF THE STRUCTURAL DRAWINGS, THEY SHALL BE DESIGNED AND STAMPED BY THE RESPONSIBLE SSE.

01.30.00 DEFERRED SUBMITTALS

1. **BIDDER-DESIGNED ELEMENTS:** SUBMIT "BIDDER-DESIGNED" DEFERRED SUBMITTALS TO THE ARCHITECT AND SER FOR REVIEW. THE DEFERRED SUBMITTALS SHALL ALSO BE SUBMITTED TO THE CITY FOR APPROVAL IF REQUIRED BY THE CITY. DESIGN OF PREFABRICATED, "BIDDER-DESIGNED," MANUFACTURED, PRE-ENGINEERED, OR OTHER FABRICATED PRODUCTS SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
   - 1.1. DESIGN CONSIDERS TRIBUTARY DEAD, LIVE, WIND, AND EARTHQUAKE LOADS IN COMBINATIONS REQUIRED BY THE IBC.
   - 1.2. DESIGN WITHIN THE DEFLECTION LIMITS NOTED IN THESE GENERAL NOTES AND AS SPECIFIED OR REFERENCED IN THE IBC.
   - 1.3. DESIGN SHALL CONFORM TO THE SPECIFICATIONS AND REFERENCE STANDARDS OF THE GOVERNING CODE.
   - 1.4. SUBMITTAL SHALL INCLUDE:
     - 1.4.1. CALCULATIONS PREPARED, STAMPED, AND SIGNED BY THE SSE DEMONSTRATING CODE CONFORMANCE.
     - 1.4.2. ENGINEERED COMPONENT DESIGN DRAWINGS ARE PREPARED, STAMPED, AND SIGNED BY THE SSE.
     - 1.4.3. PRODUCT DATA, TECHNICAL INFORMATION AND MANUFACTURER'S WRITTEN REQUIREMENTS, AND AGENCY APPROVALS AS APPLICABLE.
     - 1.4.4. THE SSE MAY SUBMIT TO THE ARCHITECT/ENGINEER A REQUEST TO UTILIZE RELEVANT ALTERNATE DESIGN CRITERIA OF SIMILAR NATURE AND GENERAL EQUIVALENCY WHICH IS RECOGNIZED BY THE CODE AND ACCEPTABLE TO THE AHJ. SUBMIT ADEQUATE DOCUMENTATION OF DESIGN.

2. **GENERAL CONTRACTOR'S PRIOR REVIEW:**
   - 2.1. ONCE THE CONTRACTOR HAS COMPLETED THEIR REVIEW OF THE SSE COMPONENT DRAWINGS, THE SER WILL REVIEW THE SUBMITTAL FOR GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING AND WILL STAMP THE SUBMITTAL ACCORDINGLY.
   - 2.2. REVIEW OF THE SSE'S SHOP DRAWINGS (COMPONENT DESIGN DRAWINGS) IS FOR COMPLIANCE WITH DESIGN CRITERIA AND COMPATIBILITY WITH THE DESIGN OF THE PRIMARY STRUCTURE AND DOES NOT RELIEVE THE SSE OF RESPONSIBILITY FOR THAT DESIGN.
   - 2.3. ALL NECESSARY BRACING, TIES, ANCHORAGE, AND PROPRIETARY PRODUCTS SHALL BE FURNISHED AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS OR THE SSE'S DESIGN DRAWINGS AND CALCULATIONS.
   - 2.4. BIDDER-DESIGNED ELEMENTS INCLUDE BUT ARE NOT LIMITED TO:
     - 2.4.1. EXTERIOR CLADDING SYSTEMS: CURTAIN WALL SYSTEMS, PRE-ENGINEERED PANELS
     - 2.4.2. MECHANICAL, ELECTRICAL, PLUMBING, AND SPRINKLER HANGER PLANS
     - 2.4.3. TEMPORARY SHORING SYSTEMS
     - 2.4.4. FAÇADE ACCESS EQUIPMENT / LIFELINE SUPPORTS

01.40.00 INSPECTIONS, QUALITY ASSURANCE, AND TEST REQUIREMENTS

1. **INSPECTIONS:** FOUNDATIONS, FOOTINGS, AND UNDER SLAB SYSTEMS AND FRAMING ARE SUBJECT TO INSPECTION BY THE BUILDING OFFICIAL IN ACCORDANCE WITH IBC SECTION 110.3. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED INSPECTIONS WITH THE BUILDING OFFICIAL.

2. **SPECIAL INSPECTIONS, VERIFICATIONS, AND TESTS:** SPECIAL INSPECTIONS, VERIFICATIONS, AND TESTING SHALL BE DONE IN ACCORDANCE WITH IBC CHAPTER 17, THE STATEMENT AND SCHEDULES OF SPECIAL INSPECTIONS LISTED IN THESE DRAWINGS, AND THE AHJ STATEMENT OF SPECIAL INSPECTION AND/OR STATEMENT OF STRUCTURAL OBSERVATIONS.

3. **CONTRACTOR RESPONSIBILITY:** PRIOR TO ISSUANCE OF THE BUILDING PERMIT, THE CONTRACTOR IS REQUIRED TO PROVIDE THE AHJ A SIGNED, WRITTEN ACKNOWLEDGEMENT OF THE CONTRACTOR'S RESPONSIBILITIES ASSOCIATED WITH THE STATEMENT OF SPECIAL INSPECTIONS, PREVIOUSLY REFERENCED, ADDRESSING THE REQUIREMENTS LISTED IN IBC SECTION 1704.4. THE CONTRACTOR IS REFERRED TO IBC SECTIONS 1705.13.5 AND 1705.13.6 FOR ARCHITECTURAL AND MEP BUILDING SYSTEMS THAT MAY BE SUBJECT TO ADDITIONAL INSPECTIONS (BASED ON THE BUILDING'S DESIGNATED SEISMIC DESIGN CATEGORY LISTED IN THE DESIGN CRITERIA AND LOADS SECTION OF THESE GENERAL NOTES), INCLUDING ANCHORAGE OF HVAC DUCTWORK CONTAINING HAZARDOUS MATERIALS, PIPING SYSTEMS AND MECHANICAL UNITS CONTAINING FLAMMABLE, COMBUSTIBLE, OR HIGHLY TOXIC MATERIALS, ELECTRICAL EQUIPMENT USED FOR EMERGENCY OR STANDBY POWER, EXTERIOR WALL PANELS, AND SUSPENDED CEILING SYSTEMS.

02.00.00 SOILS AND FOUNDATION

1. **REFERENCE STANDARDS:** CONFORM TO IBC CHAPTER 18 "SOILS AND FOUNDATIONS"

2. **CONTRACTOR'S RESPONSIBILITIES:** CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING, BUT NOT LIMITED TO, SUBGRADE PREPARATIONS, GROUND WATER MANAGEMENT, AND STEEP SLOPE BEST MANAGEMENT PRACTICES.

3. **GEOTECHNICAL SUBGRADE INSPECTION:** THE GEOTECHNICAL ENGINEER SHALL INSPECT ALL SUBGRADES AND PREPARED SOIL BEARING SURFACES PRIOR TO THE PLACEMENT OF FOUNDATION REINFORCING STEEL AND CONCRETE. GEOTECHNICAL ENGINEERS SHALL PROVIDE A LETTER TO THE OWNER STATING THAT SOILS ARE ADEQUATE TO SUPPORT THE "ALLOWABLE FOUNDATION BEARING PRESSURE(S)" SHOWN BELOW. ASSUMED VALUES SHALL BE FIELD VERIFIED BY THE BUILDING OFFICIAL OR THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE.

4. **DESIGN SOIL VALUES:**

ALLOWABLE FOUNDATION BEARING PRESSURE	2,000 PSF - ASSUMED

5. **FOUNDATIONS AND FOOTINGS:** FOUNDATIONS SHALL BEAR ON EITHER COMPETENT NATIVE SOIL OR COMPACTED STRUCTURAL FILL. EXTERIOR PERIMETER FOOTINGS SHALL BEAR NOT LESS THAN 36" BELOW FINISH GRADE UNLESS OTHERWISE SPECIFIED BY THE GEOTECHNICAL ENGINEER AND/OR THE BUILDING OFFICIAL.

6. **FOOTING DEPTH:** TOPS OF FOOTINGS SHALL BE AS SHOWN ON PLANS WITH VERTICAL CHANGES AS INDICATED WITH STEPS IN THE FOOTINGS. LOCATIONS OF STEPS SHOWN ARE APPROXIMATE AND SHALL BE COORDINATED WITH THE CIVIL GRADING PLANS.

03.20.00 CONCRETE REINFORCEMENT

1. **REFERENCE STANDARDS:** CONFORM TO:
   - 1.1. ACI 301 "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE," SECTION 3 "REINFORCEMENT AND REINFORCEMENT SUPPORTS"
   - 1.2. ACI SP-66 "ACI DETAILING MANUAL"
   - 1.3. CRSI MSP "MANUAL OF STANDARD PRACTICE"
   - 1.4. IBC CHAPTER 19 "CONCRETE"
   - 1.5. ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
   - 1.6. ACI 117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS"

2. **SUBMITTALS:**
   - 2.1. CONFORM TO ACI 301 SECTION 3.1.2. SUBMIT PLACING DRAWINGS SHOWING FABRICATION DIMENSIONS AND PLACEMENT LOCATIONS OF REINFORCEMENT AND REINFORCEMENT SUPPORTS.
   - 2.2. INDUSTRY-WIDE EPDS ARE ACCEPTABLE AS AN ALTERNATE TO FACILITY-SPECIFIC EPDS UPON REQUEST.

3. **MATERIALS:**

REINFORCING BARS [NOTE 3.1]	ASTM A615, GRADE 60, DEFORMED BARS
BAR SUPPORTS	CRSI MSP CHAPTER 3
TIE WIRE	16 GAGE OR HEAVIER, BLACK ANNEALED

   - 3.1. ASSUME GRADE 60 REINFORCEMENT UNLESS NOTED OTHERWISE ON PLAN. REFERENCE PLANS FOR HIGH STRENGTH REINFORCING LOCATIONS, INDICATED BY (GR 80) OR (GR 100).

4. **FABRICATION:** CONFORM TO ACI 301 SECTION 3.2.2 AND ACI SP-66.

5. **WELDING:** BARS SHALL NOT BE WELDED UNLESS AUTHORIZED. WHEN AUTHORIZED, CONFORM TO ACI 301 SECTION 3.2.2.2 AND AWS D1.4, AND PROVIDE ASTM A706, GRADE 60 REINFORCEMENT.

6. **PLACING:** CONFORM TO ACI 301 SECTION 3.3.2. PLACING TOLERANCES SHALL CONFORM TO ACI 117.

7. **CONCRETE COVER:** CONFORM TO THE FOLLOWING COVER REQUIREMENTS UNLESS NOTED OTHERWISE ON PLAN:

CONCRETE CAST AGAINST EARTH	3"
CONCRETE EXPOSED TO EARTH OR WEATHER	2"
TIES IN COLUMNS AND BEAMS	1-1/2"

8. **FIELD BENDING:** CONFORM TO ACI 301 SECTION 3.3.2.8. BAR SIZES #3 THROUGH #5 MAY BE FIELD BENT COLD THE FIRST TIME. SUBSEQUENT BENDS AND OTHER BAR SIZES REQUIRE PREHEATING. DO NOT TWIST BARS. BARS SHALL NOT BE BENT PAST 45°.

PRICING NOTE: THESE DOCUMENTS REPRESENT THE CURRENT STATE OF A DEVELOPING DESIGN AND AS SUCH, NOT ALL CONDITIONS ARE CURRENTLY SHOWN. ALL STRUCTURAL DETAILS AND CONNECTIONS SHOULD BE ACCOUNTED FOR IN THE GENERAL CONTRACTOR PRICE AND SCOPE OF SERVICES, WHETHER THE SPECIFICS OF THESE CONDITIONS ARE SHOWN OR NOT SHOWN ON THESE DOCUMENTS

FOR BID (NOT FOR CONSTRUCTION)

These drawings have been released at the request of the client for the purpose of bidding. These drawings are not intended for purposes of obtaining a permit or construction.

AMC Jr.
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ARCHITECT

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CIVIL / STRUCTURAL

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SEAL

DCI PROJECT: 26191-0324
CONTACT: C. ULRICH

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND THE ARCHITECT NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION

DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

GENERAL NOTES

SCALE	
DRAWN	BIM
CHECKED	BIM
APPROVED	STK
DATE	08/21/2026

REVISIONS

SYMBOL	DATE	DESCRIPTION
1	08/21/2026	BID SET

DRAWING #

S-002

03.30.00 CAST-IN-PLACE CONCRETE

1. **REFERENCE STANDARDS:** CONFORM TO:
   1.1. ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE"
   1.2. IBC CHAPTER 19 "CONCRETE"
   1.3. ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
   1.4. ACI 117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS"
2. **FIELD REFERENCE:** THE CONTRACTOR SHALL KEEP A COPY OF ACI FIELD REFERENCE MANUAL SP-15.
3. **CONCRETE MIXTURES:** CONFORM TO ACI 301 SECTION 4 AND IBC SECTION 1904.1.
4. **MATERIALS:** CONFORM TO ACI 301 SECTION 4.2.1 FOR REQUIREMENTS FOR CEMENTITIOUS MATERIALS, AGGREGATES, MIXING WATER, AND ADMIXTURES.
5. **SUBMITTALS:**
   5.1. PROVIDE ALL SUBMITTALS REQUIRED BY ACI 301 SECTION 4.1.2. SUBMIT MIX DESIGNS FOR EACH MIX IN THE TABLE BELOW. SUBSTANTIATING STRENGTH RESULTS FROM PAST TESTS SHALL NOT BE OLDER THAN 24 MONTHS PER ACI 318 SECTION 26.4.3.1(B).
6. **MIX DESIGN REQUIREMENTS [NOTES 7.1 TO UPDATE , TYPICAL UNO]**

FOOTINGS	
STRENGTH, f'_c	4,000 PSI
TEST AGE	28 DAYS
NOMINAL MAXIMUM AGGREGATE	1″

7. **MIX DESIGN REQUIREMENT NOTES:**
   7.1. W/C RATIO: WATER-CEMENTITIOUS MATERIAL RATIOS SHALL BE BASED ON THE TOTAL WEIGHT OF CEMENTITIOUS MATERIALS. MAXIMUM RATIOS ARE CONTROLLED BY STRENGTH NOTED IN THE TABLE OF MIX DESIGN REQUIREMENTS AND DURABILITY REQUIREMENTS GIVEN IN ACI 318 SECTION 19.3. W/C RATIOS MAY BE EXCEEDED WITH APPROVAL OF SER AS LONG AS POTENTIAL SHRINKAGE IMPACTS ARE ACCOUNTED FOR.
   7.2. CEMENTITIOUS MATERIALS:
      7.2.1. DCI ENCOURAGES THE REDUCTION OF CEMENT CONTENT AND/OR THE USE OF ALTERNATE CEMENTITIOUS MATERIALS. WHERE REQUIREMENTS OF THIS SECTION PROHIBIT INCLUSION OF ANY OF THESE MIXES, CONTACT DCI FOR FURTHER COORDINATION.
      7.2.2. CEMENTITIOUS MATERIALS SHALL CONFORM TO THE RELEVANT ASTM STANDARDS LISTED IN ACI 318 SECTION 26.4.1.1.1(A).
      7.2.3. FOR CONCRETE USED IN ELEVATED FLOORS, MINIMUM CEMENTITIOUS MATERIALS CONTENT SHALL CONFORM TO ACI 301 TABLE 4.2.1.1(B). ACCEPTANCE OF LOWER CEMENT CONTENT IS CONTINGENT ON PROVIDING SUPPORTING DATA TO THE SER FOR REVIEW AND ACCEPTANCE.
   7.3. GENERAL CONTRACTOR SHALL COORDINATE MEANS AND METHODS NECESSARY TO SUPPORT EXTENDED TEST AGES INCLUDING, BUT NOT LIMITED TO, DELAYED STRENGTH GAIN, SHORING SEQUENCING, MODULUS OF ELASTICITY REQUIREMENTS, DEFLECTION, AND APPEARANCE.
   7.4. AIR CONTENT: CONFORM TO ACI 318 SECTION 19.3.3.1. MINIMUM STANDARDS FOR EXPOSURE CLASS ARE NOTED IN THE TABLE. IF FREEZING AND THAWING CLASS IS NOT NOTED, AIR CONTENT GIVEN IS THAT REQUIRED BY THE SER. TOLERANCE IS ±1-1/2%. AIR CONTENT SHALL BE MEASURED AT POINT OF PLACEMENT.
   7.5. AGGREGATES SHALL CONFORM TO ASTM C33.
   7.6. SLUMP: CONFORM TO ACI 301 SECTION 4.2.2.1. SLUMP SHALL BE DETERMINED AT POINT OF PLACEMENT.
   7.7. CHLORIDE CONTENT: CONFORM TO ACI 318 TABLE 19.3.2.1.
   7.8. NON-CHLORIDE ACCELERATOR: NON-CHLORIDE ACCELERATING ADMIXTURE MAY BE USED IN CONCRETE PLACED AT AMBIENT TEMPERATURES BELOW 50°F AT THE CONTRACTOR'S OPTION.
   7.9. ACI 318 SECTION 19.3.1.1 EXPOSURE CLASSES SHALL BE ASSUMED TO BE F0, S0, W0, AND C0 UNLESS DIFFERENT EXPOSURE CLASSES ARE LISTED IN THE TABLE OF MIX DESIGN REQUIREMENTS THAT MODIFY THESE BASE REQUIREMENTS.
8. **STRENGTH TESTING AND ACCEPTANCE:**
   8.1. TESTING: OBTAIN SAMPLES AND CONDUCT TESTS IN ACCORDANCE WITH ACI 301 SECTION 1.7.3.3. ADDITIONAL SAMPLES MAY BE REQUIRED TO OBTAIN CONCRETE STRENGTHS AT ALTERNATE INTERVALS THAN SHOWN BELOW AND SHOULD BE STANDARD CURED PER ACI SECTION 26.5.3.2.
      8.1.1. CURE FOUR CYLINDERS FOR 28-DAY TEST AGE. TEST ONE CYLINDER AT 7 DAYS, TEST TWO CYLINDERS AT 28 DAYS, AND HOLD ONE CYLINDER IN RESERVE FOR USE AS THE ENGINEER DIRECTS. AFTER 56 DAYS, UNLESS NOTIFIED BY THE ENGINEER TO THE CONTRARY, THE RESERVE CYLINDER MAY BE DISCARDED WITHOUT BEING TESTED FOR SPECIMENS MEETING 28-DAY STRENGTH REQUIREMENTS.
      8.1.2. THE NUMBER OF CYLINDERS INDICATED ABOVE REFERENCE 6″x12″ CYLINDERS. IF 4″x8″ CYLINDERS ARE TO BE USED, ADDITIONAL CYLINDERS MUST BE CURED FOR TESTING OF THREE CYLINDERS AT TEST AGE PER THE TABLE OF MIX DESIGN REQUIREMENTS IN THESE GENERAL NOTES.
   8.2. ACCEPTANCE:
      8.2.1. STRENGTH IS SATISFACTORY WHEN THE AVERAGES OF ALL SETS OF THREE CONSECUTIVE TESTS EQUAL OR EXCEED THE SPECIFIED STRENGTH AND NO INDIVIDUAL TEST FALLS BELOW THE SPECIFIED STRENGTH BY MORE THAN 500 PSI.
      8.2.2. A "TEST" FOR ACCEPTANCE IS THE AVERAGE STRENGTH OF TWO 6″x12″ CYLINDERS OR THREE 4″x8″ CYLINDERS TESTED AT THE SPECIFIED TEST AGE.
9. **MEASURING, MIXING, AND DELIVERY:** CONFORM TO ACI 301 SECTION 4.3.
10. **HANDLING, PLACING, CONSTRUCTING AND CURING:** CONFORM TO ACI 301 SECTION 5. IN ADDITION, HOT WEATHER CONCRETING SHALL CONFORM TO ACI 305R AND COLD WEATHER CONCRETING SHALL CONFORM TO ACI 306R.
11. **EMBEDDED ITEMS:** POSITION AND SECURE IN PLACE EXPANSION JOINT MATERIAL, ANCHORS, AND OTHER STRUCTURAL AND NON-STRUCTURAL EMBEDDED ITEMS BEFORE PLACING CONCRETE. CONTRACTOR SHALL REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND ARCHITECTURAL DRAWINGS AND COORDINATE OTHER EMBEDDED ITEMS.
12. **GROUT:** USE 7,000 PSI NON-SHRINK GROUT UNDER COLUMN BASE PLATES
13. **GROUTED REBAR:** SEE POST-INSTALLED ANCHORS TO CONCRETE SECTION OF THESE GENERAL NOTES.
14. **POST-INSTALLED ANCHORS TO CONCRETE:** ANCHOR LOCATION, TYPE, DIAMETER, AND EMBEDMENT SHALL BE AS INDICATED ON DRAWINGS. REFERENCE THE POST-INSTALLED ANCHORS SECTION OF THESE GENERAL NOTES FOR APPLICABLE POST-INSTALLED ANCHOR ADHESIVES. ANCHORS SHALL BE INSTALLED AND INSPECTED IN STRICT ACCORDANCE WITH THE APPLICABLE ICC-EVALUATION SERVICE REPORT (ESR). SPECIAL INSPECTION SHALL BE PER THE TESTS AND INSPECTIONS SECTION OF THESE GENERAL NOTES.
15. **CONCRETE PLACEMENT TOLERANCE:** CONFORM TO ACI 117 FOR CONCRETE PLACEMENT TOLERANCE.

05.05.19 POST-INSTALLED ANCHORS (INTO CONCRETE AND MASONRY)

1. **REFERENCE STANDARDS:** CONFORM TO:
   1.1. IBC CHAPTER 19 "CONCRETE"
   1.2. ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
   1.3. IBC CHAPTER 21 "MASONRY"
   1.4. TMS 402 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES"
2. **POST-INSTALLED ANCHORS:** INSTALL ONLY WHERE SPECIFICALLY SHOWN IN THE DETAILS OR ALLOWED BY THE SER. ALL POST-INSTALLED ANCHOR TYPES AND LOCATIONS SHALL BE APPROVED BY THE SER AND SHALL HAVE A CURRENT ICC-ESR THAT PROVIDES RELEVANT DESIGN VALUES NECESSARY TO VALIDATE THE AVAILABLE STRENGTH EXCEEDS THE REQUIRED STRENGTH. SUBMIT CURRENT MANUFACTURER'S DATA AND ICC-ESR TO THE SER FOR APPROVAL REGARDLESS OF WHETHER OR NOT IT IS A PRE-APPROVED ANCHOR. ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ICC-ESR AND THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) IN CONJUNCTION WITH EDGE DISTANCE, SPACING, AND EMBEDMENT DEPTH AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL ARRANGE FOR A MANUFACTURER'S FIELD REPRESENTATIVE TO PROVIDE INSTALLATION TRAINING FOR ALL PRODUCTS TO BE USED PRIOR TO THE COMMENCEMENT OF WORK. ONLY TRAINED INSTALLERS SHALL PERFORM POST-INSTALLED ANCHOR INSTALLATION. A RECORD OF TRAINING SHALL BE KEPT ON SITE AND BE MADE AVAILABLE TO THE SER AS REQUESTED. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS SHALL BE PERFORMED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER (AAI) AS CERTIFIED THROUGH ACI/CRSI OR AN APPROVED EQUIVALENT. PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF INSTALLATION. NO REINFORCING BARS SHALL BE DAMAGED DURING INSTALLATION OF POST-INSTALLED ANCHORS. SPECIAL INSPECTION SHALL BE PER THE TESTS AND INSPECTIONS SECTION OF THESE GENERAL NOTES. ANCHOR TYPE, DIAMETER, AND EMBEDMENT SHALL BE AS INDICATED ON DRAWINGS.
   2.1. ADHESIVE ANCHORS: THE FOLLOWING ADHESIVE-TYPE ANCHORING SYSTEMS HAVE BEEN USED IN THE DESIGN AND SHALL BE USED FOR ANCHORAGE TO CONCRETE AS APPLICABLE AND IN ACCORDANCE WITH THE CORRESPONDING CURRENT ICC ESR REPORT. REFERENCE THE CORRESPONDING ICC-ESR FOR REQUIRED MINIMUM AGE OF CONCRETE, CONCRETE TEMPERATURE RANGE, MOISTURE CONDITION, LIGHT WEIGHT CONCRETE, AND HOLE DRILLING AND PREPARATION REQUIREMENTS. DRILLED-IN ANCHOR EMBEDMENT LENGTHS SHALL BE AS SHOWN ON DRAWINGS OR NOT LESS THAN SEVEN TIMES THE ANCHOR NOMINAL DIAMETER (7D). ADHESIVE ANCHORS ARE TO BE INSTALLED IN CONCRETE AGED A MINIMUM OF 21 DAYS UNLESS OTHERWISE SPECIFIED IN THE ICC-ESR.
      HILTI "HIT-HY 200-R V3" - ICC-ESR 4868 FOR ANCHORAGE TO CONCRETE
   2.2. EXPANSION ANCHORS: THE FOLLOWING EXPANSION TYPE ANCHORS ARE PRE-APPROVED FOR ANCHORAGE TO CONCRETE OR MASONRY IN ACCORDANCE WITH CORRESPONDING CURRENT ICC-ESR:
      HILTI "KB TZ2" - ICC-ESR 4266 FOR ANCHORAGE TO CONCRETE
   2.3. SCREW ANCHORS: THE FOLLOWING SCREW TYPE ANCHOR IS PRE-APPROVED FOR ANCHORAGE TO CONCRETE OR MASONRY IN ACCORDANCE WITH CORRESPONDING CURRENT ICC-ESR:
      HILTI "KH-EZ" - ICC-ESR 3027 FOR ANCHORAGE TO CONCRETE

05.12.00 STRUCTURAL STEEL

1. **REFERENCE STANDARDS:** CONFORM TO:
   1.1. IBC CHAPTER 22 "STEEL"
   1.2. ANSI/AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
   1.3. AISC "MANUAL OF STEEL CONSTRUCTION"
   1.4. ANSI/AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"
   1.5. AWS D1.1 "STRUCTURAL WELDING CODE - STEEL"
   1.6. RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS"
2. SELECTED STEEL ELEMENTS OF THIS PROJECT ARE PART OF THE "SEISMIC FORCE RESISTING SYSTEM" (SFRS) AND THUS ARE SUBJECT TO SPECIAL REQUIREMENTS DETAILED IN THE AISC SEISMIC PROVISIONS. ELEMENTS OF THE SFRS ARE DESIGNATED ON PLAN. REFER TO THE DRAWING LEGEND FOR SYMBOLS USED TO DESIGNATE ELEMENTS ON THE PLANS AND STRUCTURAL STEEL SEISMIC PROVISIONS SECTION OF THESE GENERAL NOTES FOR SUPPLEMENTAL REQUIREMENTS.
3. **SUBMITTALS:** SUBMIT THE FOLLOWING DOCUMENTS TO THE SER FOR REVIEW:
   3.1. SHOP DRAWINGS COMPLYING WITH AISC 360 SECTIONS M1 AND N3 AND AISC 303 SECTION 4.
   3.2. ERECTION DRAWINGS COMPLYING AISC 360 SECTIONS M1 AND N3 AND AISC 303 SECTION 4.
   3.3. WELD PROCEDURE SPECIFICATIONS (WPS'S) FOR SHOP AND FIELD WELDING.
   3.4. MANUFACTURER'S CERTIFICATES OF CONFORMANCE FOR ELECTRODES, FLUXES, AND GASES (WELDING CONSUMABLES).
4. **COPIES:** MAKE COPIES OF THE FOLLOWING DOCUMENTS AVAILABLE UPON REQUEST TO THE SER OR OWNER'S INSPECTION AGENCY IN ELECTRONIC OR PRINTED FORM PRIOR TO FABRICATION PER AISC 360 SECTION N3.2 REQUIREMENTS:
   4.1. FABRICATOR'S WRITTEN QUALITY CONTROL MANUAL THAT INCLUDES, AS A MINIMUM:
      4.1.1. MATERIAL CONTROL PROCEDURES
      4.1.2. INSPECTION PROCEDURES
      4.1.3. NON-CONFORMANCE PROCEDURES
   4.2. STEEL AND ANCHOR ROD SUPPLIERS' MATERIAL TEST REPORTS (MTRS) INDICATING COMPLIANCE WITH SPECIFICATIONS.
   4.3. FASTENER MANUFACTURER'S CERTIFICATION DOCUMENTING CONFORMANCE WITH THE SPECIFICATION.
   4.4. FILLER METAL MANUFACTURER'S PRODUCT DATA FOR SMAW, FCAW, AND GMAW INDICATING:
      4.4.1. PRODUCT SPECIFICATION COMPLIANCE
      4.4.2. RECOMMENDED WELDING PARAMETERS
      4.4.3. RECOMMENDED STORAGE AND EXPOSURE REQUIREMENTS INCLUDING BAKING
      4.4.4. LIMITATIONS OF USE
   4.5. WPS'S FOR SHOP AND FIELD WELDING.
   4.6. MANUFACTURER'S CERTIFICATES OF CONFORMANCE FOR ELECTRODES, FLUXES, AND GASES (WELDING CONSUMABLES).
   4.7. PROCEDURE QUALIFICATION RECORDS (PQRS) FOR WPS'S THAT ARE NOT PREQUALIFIED IN ACCORDANCE WITH AWS.
   4.8. WELDING PERSONNEL PERFORMANCE QUALIFICATION RECORDS (WPQRS) AND CONTINUITY RECORDS CONFORMING TO AWS STANDARDS
5. **MATERIALS:** STRUCTURAL STEEL MATERIALS SHALL CONFORM TO MATERIALS AND REQUIREMENTS LISTED IN AISC 360 SECTION A3 INCLUDING, BUT NOT LIMITED TO:

SHAPE	TYPE
WIDE FLANGE (W) AND TEE (WT) SHAPES	ASTM A992, F_y = 50 KSI
(S), (M), AND (HP) SHAPES	ASTM A36, F_y = 36 KSI
CHANNEL (C) AND ANGLE (L) SHAPES	ASTM A36, F_y = 36 KSI
PLATE (PL)	ASTM A36, F_y = 36 KSI
SQUARE/RECT HSS	ASTM A500, GRADE C, F_y = 50 KSI
HIGH-STRENGTH, HEAVY HEX BOLTS	ASTM F3125 GRADE A325/F1852, TYPE 1, GALVANIZED/MECHANICALLY GALV
HIGH-STRENGTH, HEAVY HEX BOLTS	ASTM F3125 GRADE A325/F1852, TYPE 3, PLAIN (WEATHERING)
HEAVY HEX NUTS	ASTM A563, GRADE AND FINISH PER RCSC TABLE 2.1
WASHERS (HARDENED FLAT OR BEVELED)	ASTM F436, GRADE AND FINISH PER RCSC TABLE 2.1
ANCHOR RODS (ANCHOR BOLTS, TYPICAL)	ASTM F1554, GRADE 36
MILD THREADED RODS	ASTM A36, F_y = 36 KSI

6. **STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS:**
   6.1. ASTM F3125 GRADE A325-N BOLTS - "THREADS NOT EXCLUDED IN THE SHEAR PLANE."
   6.2. HIGH-STRENGTH BOLTED JOINTS HAVE BEEN DESIGNED AS "BEARING" CONNECTIONS.
   6.3. PROVIDE ASTM BOLT GRADE AND TYPE AS SPECIFIED IN THE MATERIALS SECTION OF THESE GENERAL NOTES.
   6.4. PROVIDE WASHERS OVER OUTER PLY OF SLOTTED HOLES AND OVERSIZE HOLES PER RCSC TABLE 6.1.
   6.5. PROVIDE NUT AND WASHER GRADES, TYPES, AND FINISHES CONFORMING TO RCSC TABLE 2.1.
   6.6. PROVIDE FASTENER ASSEMBLIES FROM A SINGLE SUPPLIER.
   6.7. JOINT TYPES SHALL BE:
      6.7.1. ST - "SNUG TIGHT," FOR TYPICAL BEAM END "SHEAR" CONNECTIONS UNLESS NOTED OTHERWISE.
   6.8. INSTALL BOLTS IN JOINTS IN ACCORDANCE WITH RCSC SECTION 8 AND TABLE 4.1.
   6.9. INSPECTION IS PER RCSC SECTION 9.
7. **ANCHORAGE TO CONCRETE:**
   7.1. COLUMN ANCHOR RODS AND BASE PLATES: ALL COLUMNS (VERTICAL MEMBER ASSEMBLIES WEIGHING OVER 300 LB) SHALL BE PROVIDED WITH A MINIMUM OF FOUR 3/4″ DIAMETER ANCHOR RODS. COLUMN BASE PLATES SHALL BE AT LEAST 3/4″ THICK UNLESS NOTED OTHERWISE. CAST-IN-PLACE ANCHOR RODS SHALL BE PROVIDED UNLESS OTHERWISE APPROVED BY THE ENGINEER. UNLESS NOTED OTHERWISE, EMBEDMENT OF CAST-IN-PLACE ANCHOR RODS SHALL BE 24 TIMES THE ANCHOR DIAMETER (24D), UNLESS NOTED OTHERWISE ON PLAN.
8. **FABRICATION:**
   8.1. CONFORM TO AISC 360 SECTION M2 AND AISC 303 SECTION 6.
   8.2. QUALITY CONTROL (QC) SHALL CONFORM TO:
      8.2.1. AISC 360 CHAPTER N
      8.2.2. AISC 303 SECTION 8
      8.2.3. FABRICATOR AND ERECTOR SHALL ESTABLISH AND MAINTAIN WRITTEN QC PROCEDURES PER AISC 360 SECTION N3.
      8.2.4. FABRICATOR SHALL PERFORM SELF-INSPECTIONS PER AISC 360 SECTION N5 TO ENSURE THAT THEIR WORK IS PERFORMED IN ACCORDANCE WITH CODE OF STANDARD PRACTICE, THE AISC SPECIFICATION, CONTRACT DOCUMENTS, AND THE APPLICABLE BUILDING CODE.
      8.2.5. QC INSPECTIONS MAY BE COORDINATED WITH QUALITY ASSURANCE (QA) INSPECTIONS PER AISC 360 SECTION N5.3 WHERE FABRICATORS QA PROCEDURES PROVIDE THE NECESSARY BASIS FOR MATERIAL CONTROL, INSPECTION, AND CONTROL OF THE WORKMANSHIP EXPECTED BY THE SPECIAL INSPECTOR.
9. **WELDING:**
   9.1. WELDING SHALL CONFORM TO AWS D1.1 AND D1.8 AS APPLICABLE FOR SEISMIC ELEMENTS WITH PREQUALIFIED WELDING PROCESSES EXCEPT AS MODIFIED BY AISC 360 SECTION J2 AND AISC 341 AS APPLICABLE. WELDERS SHALL BE QUALIFIED IN ACCORDANCE WITH AWS D1.1 AND D1.8 (FOR DEMAND CRITICAL WELDS WHERE APPLICABLE) REQUIREMENTS.
   9.2. USE 70 KSI STRENGTH, LOW-HYDROGEN TYPE ELECTRODES (E7018) OR E71T AS APPROPRIATE FOR THE PROCESS SELECTED.
   9.3. WELDING OF HIGH-STRENGTH ANCHOR RODS IS PROHIBITED UNLESS APPROVED BY ENGINEER.
10. **ERECTION:**
   10.1. CONFORM TO AISC 360 SECTION M4 AND AISC 303 SECTION 7.
   10.2. CONFORM TO AISC 360 CHAPTER N AND AISC 303 SECTION 8.
      10.2.1. THE ERECTOR SHALL MAINTAIN DETAILED ERECTION QC PROCEDURES THAT ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THESE REQUIREMENTS AND THE CONTRACT DOCUMENTS.
   10.3. STEEL WORK SHALL BE CARRIED UP TRUE AND PLUMB WITHIN THE LIMITS DEFINED IN AISC 303 SECTION 7.13.
   10.4. HIGH-STRENGTH BOLTING SHALL COMPLY WITH THE RCSC REQUIREMENTS INCLUDING RCSC SECTION 7.2, AS APPLICABLE AND AISC 360 CHAPTER J AND SECTIONS M2.5 AND N5.6.
   10.5. WELDING OF HEADED STUD ANCHORS SHALL BE IN ACCORDANCE WITH AWS D1.1 CHAPTER 7.
   10.6. PROVIDE HEADED (SHEAR) STUD ANCHORS WELDED THROUGH THE METAL DECK TO TOPS OF BEAMS DENOTED IN PLANS.
   10.7. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AND SAFETY PROTECTION REQUIRED BY AISC 360 SECTION M4.2 AND AISC 303 SECTIONS 7.10 AND 7.11.
11. **PROTECTIVE COATING REQUIREMENTS:**
   11.1. SHOP PAINTING: CONFORM TO AISC 360 SECTION M3 AND AISC 303 SECTION 6.5 UNLESS OTHERWISE SPECIFIED BY THE PROJECT SPECIFICATIONS.
   11.2. INTERIOR STEEL:
      11.2.1. UNLESS NOTED OTHERWISE, DO NOT PAINT ANY OF THE STEEL SURFACES MEETING THE FOLLOWING CONDITIONS:
         11.2.1.1. CONCEALED BY THE INTERIOR BUILDING FINISHES
         11.2.1.2. FIREPROOFED
         11.2.1.3. EMBEDDED IN CONCRETE
         11.2.1.4. WELDED; IF AREA REQUIRES PAINTING, DO NOT PAINT UNTIL AFTER WELD INSPECTIONS AND NON-DESTRUCTIVE TESTING REQUIREMENT, IF ANY, ARE SATISFIED.
      11.2.2. INTERIOR STEEL EXPOSED TO VIEW SHALL BE PAINTED WITH ONE COAT OF SHOP PRIMER UNLESS OTHERWISE INDICATED IN THE PROJECT SPECIFICATIONS. FIELD TOUCH-UPS TO MATCH THE FINISH COAT OR AS OTHERWISE INDICATED IN THE PROJECT SPECIFICATIONS.
   11.3. EXTERIOR STEEL: EXPOSED EXTERIOR STEEL SHALL BE PROTECTED BY EITHER:
      11.3.1. PAINT WITH AN EXTERIOR MULTI-COAT SYSTEM AS PER THE PROJECT SPECIFICATIONS. FIELD TOUCH-UP PAINTING SHALL BE TO MATCH TOPCOAT. BE AS PER THE PROJECT SPECIFICATIONS.
      11.3.2. GALVANIZING: UNLESS PROTECTED WITH A PAINT SYSTEM, EXPOSED STEEL (OUTSIDE THE BUILDING ENVELOPE) SHALL BE HOT-DIPPED GALVANIZED WHERE NOTED ON THE PLANS OR OTHERWISE INDICATED BY THE FINISHES SPECIFIED BY THE ARCHITECT. APPLY FIELD TOUCH-UPS PER PROJECT SPECIFICATIONS.
   11.4. STEEL NEED NOT BE PRIMED OR PAINTED UNLESS NOTED OTHERWISE ON PLAN OR IN THE PROJECT SPECIFICATIONS. CONFORM TO AISC 360 SECTION M3 AND AISC 303 SECTION 6.5 UNLESS A MULTI-COAT SYSTEM IS REQUIRED PER THE PROJECT SPECIFICATIONS.
12. **ARCHITECTURALLY EXPOSED STRUCTURAL STEEL:** STEEL IDENTIFIED BY THE ARCHITECT ON THE ARCHITECTURAL DRAWINGS AS ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL CONFORM TO AISC 303 SECTION 10.

PRICING NOTE: THESE DOCUMENTS REPRESENT THE CURRENT STATE OF A DEVELOPING DESIGN AND AS SUCH, NOT ALL CONDITIONS ARE CURRENTLY SHOWN. ALL STRUCTURAL DETAILS AND CONNECTIONS SHOULD BE ACCOUNTED FOR IN THE GENERAL CONTRACTOR PRICE AND SCOPE OF SERVICES, WHETHER THE SPECIFICS OF THESE CONDITIONS ARE SHOWN OR NOT SHOWN ON THESE DOCUMENTS

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SEAL

DCI PROJECT: 26191-0324
CONTACT: C. ULRICH

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND THE ARCHITECT NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION

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PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

GENERAL NOTES

SCALE	
DRAWN	BIM
CHECKED	BIM
APPROVED	STK
DATE	08/21/2026

REVISIONS

SYMBOL	DATE	DESCRIPTION
1	08/21/2026	BID SET

DRAWING #

S-003

05.40.00 COLD-FORMED STEEL FRAMING

1. **REFERENCE STANDARDS:** CONFORM TO:
   - 1.1. AISI S100 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS"
   - 1.2. AISI S202 "CODE OF STANDARD PRACTICE FOR COLD-FORMED STEEL FRAMING"
   - 1.3. AISI S220 "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - NONSTRUCTURAL MEMBERS"
   - 1.4. AISI S230 "STANDARD FOR COLD-FORMED STEEL FRAMING - PRESCRIPTIVE METHOD FOR ONE- AND TWO-FAMILY DWELLINGS"
   - 1.5. AISI S240 "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL STRUCTURING FRAMING"
   - 1.6. AISI S400/S1 "NORTH AMERICAN STANDARD FOR SEISMIC DESIGN OF COLD-FORMED STEEL STRUCTURAL SYSTEMS, WITH SUPPLEMENT 1"
   - 1.7. AWWC "WALL AND CEILING STANDARDS" SECTION 9.8 "EXTERIOR STEEL STUDS WALL SYSTEMS"
   - 1.8. AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL"
2. **SUBMITTALS:**
   - 2.1. COLD-FORMED STEEL FRAMING ELEMENTS ARE "BIDDER-DESIGNED" AND THE DESIGN IS TO BE PREPARED BY AN SSE. REFERENCE DEFINITIONS AND DEFERRED SUBMITTALS SECTIONS OF THESE GENERAL NOTES. SUBMIT STRUCTURAL CALCULATIONS AND SHOP DRAWINGS (COMPONENT DESIGN DRAWINGS) STAMPED BY A LICENSED STRUCTURAL ENGINEER REGISTERED IN THE STATE OF PENNSYLVANIA. SUBMIT PANELIZED WALL SHOP DRAWINGS AND FLOOR/ROOF FRAMING SHOP DRAWINGS FOR REVIEW BY THE SER, GENERAL CONTRACTOR, AND ARCHITECT. SHOP DRAWINGS SHALL INDICATE MEMBER SIZES, SPACING, AND MATERIALS; SHOP AND FIELD ASSEMBLY DETAILS AND CONNECTIONS; TYPE AND LOCATION OF WELDS AND OTHER FASTENERS; BRIDGING AND BRIDGING ANCHORAGE. SUBMIT PRODUCT DATA AND PROOF OF ICC APPROVAL FOR FRAMING MEMBERS AND FASTENERS.
3. **MATERIALS:**
   - 3.1. STRUCTURAL SECTIONS: 54, 68 AND 97-MIL; ASTM A653, SS GRADE 50 OR ASTM A1003 GRADE 50, MIN F_y = 50 KSI, 33 AND 43-MIL; ASTM A653, SS GRADE 33 OR ASTM A1003 GRADE 33, MIN F_y = 33 KSI
   - 3.2. SHEET METAL SCREWS: GRABBER OR BUILDEX TEK-SELF-DRILLING, #10 SCREWS UNLESS NOTED OTHERWISE ON PLAN; ASTM C1513 OR SER APPROVED ALTERNATE
   - 3.3. FASTENERS TO STEEL: HILTI X-U 0.157" DIAMETER POWER ACTUATED FASTENERS - ICC-ESR 2269
   - 3.4. FASTENERS TO CONCRETE: HILTI X-U 0.157" DIAMETER POWER ACTUATED FASTENERS WITH 3/4" EMBEDMENT - ICC-ESR 2269
   - 3.5. WELD MATERIAL: E60XX ELECTRODES CONFORMING TO AWS D1.3
   - 3.6. FLOOR DIAPHRAGM FASTENERS: SCREWS AS INDICATED ON THE FLOOR PLAN NOTES
4. **GALVANIZED MATERIAL:** STUDS AND TRACK SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A653, G60, UNLESS IN CONTACT WITH PRESSURE TREATED WOOD. IF IN CONTACT WITH PRESSURE TREATED WOOD, USE G90 OR GREATER COATINGS. FASTENINGS NOT SHOWN ON THE DRAWINGS SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
5. **SIZE AND PROFILE:** COLD-FORMED STEEL FRAMING MEMBERS SHALL BE AS SPECIFIED BY THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) ICC-ESR 3064P AND OF THE SIZE AND PROFILE AS SHOWN ON THE DRAWINGS. ALTERNATE MEMBERS EQUIVALENT IN SHAPE, SIZE, AND STRENGTH BY MANUFACTURERS NOT MEMBERS OF THE SSMA SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT/ENGINEER.
6. **JOISTS:** PROVIDE C-SHAPED JOISTS WITH STIFFENED FLANGES (S-SECTIONS IN SSMA). SPANS ARE ASSUMED TO BE CONTINUOUSLY SHEATHED AT THE TOP FLANGE. A MINIMUM 3-1/2" BEARING SHALL BE PROVIDED AT EACH END OF EACH JOIST. ADD WEB STIFFENERS IF BEARING IS LESS THAN 3-1/2", BUT NO LESS THAN 1-1/2". ALL JOISTS MUST BE BRACED LATERALLY AT EACH END BY TRACK OR BLOCKING. JOIST BRIDGING SHALL BE A MAXIMUM 8' OC. JOISTS WITH PRE-PUNCHED WEB HOLES SHALL BE SUBMITTED TO THE SER FOR REVIEW AND APPROVAL. ALL PRE-PUNCHED WEB HOLES SHALL BE A MINIMUM OF 10" FROM BEARING ENDS AND A MINIMUM OF 48" OC. IF A PUNCH-OUT FALLS WITHIN 10" OF A BEARING POINT, REINFORCEMENT IS REQUIRED.
7. **CONNECTORS AND FASTENERS:** CONNECTORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS. ALL SCREWS SHALL BE SNUG WITH STEEL SURFACE AND SCREWS SHALL PENETRATE INTO STEEL STUDS BY A MINIMUM OF THREE EXPOSED THREADS. CONNECTIONS SHALL NOT BE STRIPPED. SCREWS SHALL BE INSTALLED A MINIMUM OF 3/8" FROM STEEL EDGES AND NO LESS THAN 3/4" OC.
   - 7.1. WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, PLACE HALF OF THE SCREWS IN EACH MEMBER.
   - 7.2. WHEN FASTENING TO STEEL, POWDER ACTUATED FASTENERS SHALL BE INSTALLED A MINIMUM OF 1/2" FROM STEEL EDGES AND AT NO LESS THAN 1" OC.
   - 7.3. WHEN FASTENING TO CONCRETE, POWDER ACTUATED FASTENERS SHALL BE INSTALLED A MINIMUM OF 3" FROM CONCRETE EDGES AND AT NO LESS THAN 4" OC.
8. **MEMBER CONDITION:** ALL STRUCTURAL COLD-FORMED FRAMING MEMBERS MUST BE IN GOOD CONDITION. DAMAGED MEMBERS, MEMBERS WITH CRACKING IN THE STEEL AT THE BEND RADIUS LOCATIONS, AND MEMBERS WITH SIGNIFICANT RED RUSTING OR SCALING OF THE PROTECTIVE COATING ARE UNACCEPTABLE AND MUST BE REPLACED UNLESS APPROVED BY THE SER. HANDLING AND LIFTING OF PREFABRICATED PANELS SHALL NOT CAUSE PERMANENT DISTORTION TO ANY MEMBER OR COLLATERAL MATERIAL. MEMBERS NOT MEETING TOLERANCES LISTED BELOW SHALL BE REPLACED PRIOR TO LOADING.
9. **ERECTION AND TOLERANCES:** AXIAL LOAD BEARING COLD-FORMED STEEL FRAMING SHALL BE ERECTED TRUE AND PLUMB PER THE REQUIREMENTS AND WITHIN THE SPECIFIED TOLERANCES LISTED BELOW. FOR PURPOSES OF THIS SECTION, CAMBER IS DEFINED AS THE DEVIATION FROM STRAIGHTNESS OF A MEMBER OR ANY PORTION OF A MEMBER WITH RESPECT TO ITS MAJOR AXIS, AND SWEEP IS DEFINED AS THE DEVIATION FROM STRAIGHTNESS OF A MEMBER OR ANY PORTION OF A MEMBER WITH RESPECT TO ITS MINOR AXIS.
   - 9.1. FOR JOISTS, OUT OF STRAIGHTNESS (CAMBER AND SWEEP) SHALL NOT EXCEED 1/1000TH OF THE MEMBER LENGTH.
   - 9.2. FOR JOISTS OUT OF PLUMBNESS AND OUT OF STRAIGHTNESS (CAMBER AND SWEEP) SHALL NOT EXCEED 1/1000TH OF THE MEMBER LENGTH (1/8" OVER 10').
   - 9.3. ERECT FRAMING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION AND SHOP DRAWINGS.
10. **FIELD CUTS AND NOTCHES:** FIELD CUTS AND NOTCHES OF ANY KIND (INCLUDING WIDENING PRE-PUNCHED HOLES) ARE NOT ALLOWED IN ANY STRUCTURAL COLD-FORMED STEEL MEMBER WITHOUT PRIOR APPROVAL FROM THE SER.
11. **TEMPORARY BRACING:** REFERENCE TEMPORARY SHORING AND BRACING SECTION OF THESE GENERAL NOTES. THE CONTRACTOR IS RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION AND SHALL PROVIDE TEMPORARY BRACING AND OTHER ELEMENTS REQUIRED TO MAINTAIN STABILITY UNTIL THE STRUCTURE IS COMPLETE. TEMPORARY BRACING SHALL BE STAMPED BY A LICENSED STRUCTURAL ENGINEER REGISTERED IN THE STATE OF PENNSYLVANIA AND SUBMITTED TO THE SER FOR APPROVAL PRIOR TO FABRICATION OF FRAMING.
12. **PRE-CONSTRUCTION MEETING:** THE CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION MEETING. THE CONTRACTOR, SER, SUBCONTRACTORS INVOLVED WITH THE COLD-FORMED STEEL WORK, MECHANICAL, ELECTRICAL, AND PLUMBING SUBCONTRACTORS, AUTHORITY HAVING JURISDICTION, AND REPRESENTATIVES OF THE SPECIAL INSPECTION AGENCY SHALL ATTEND THIS MEETING. AND REPRESENTATIVES OF THE SPECIAL INSPECTION AGENCY SHALL ATTEND THIS MEETING.

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AMCJr.
ALBERT M. COMLY JR.
ARCHITECT

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SEAL

DCI PROJECT: 26191-0324
CONTACT: C. ULRICH

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PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

GENERAL NOTES

SCALE	
DRAWN	BIM
CHECKED	BIM
APPROVED	STK
DATE	08/21/2026

REVISIONS

SYMBOL	DATE	DESCRIPTION
1	08/21/2026	BID SET

DRAWING #

S-004

50.00.00 SPECIAL INSPECTIONS

1. THE FOLLOWING STATEMENT AND SCHEDULES OF INSPECTIONS ARE THOSE SPECIAL INSPECTIONS AND TESTS THAT SHALL BE PERFORMED FOR THIS PROJECT. SPECIAL INSPECTORS SHALL REFERENCE THESE PLANS AND IBC CHAPTER 17 FOR ALL SPECIAL INSPECTION REQUIREMENTS. THE OWNER SHALL RETAIN AN "APPROVED AGENCY" PER IBC SECTION 1703 TO PROVIDE SPECIAL INSPECTIONS FOR THIS PROJECT. SPECIAL INSPECTORS SHALL BE QUALIFIED PERSONS PER IBC SECTION 1704.2.4. SPECIAL INSPECTION REPORTS SHALL BE PROVIDED ON A WEEKLY BASIS. SUBMIT COPIES OF ALL INSPECTION REPORTS TO THE ARCHITECT/ENGINEER AND THE AUTHORITY HAVING JURISDICTION FOR REVIEW. IN ADDITION TO SPECIAL INSPECTION REPORTS AND TESTS, SUBMIT REPORTS AND CERTIFICATES NOTED IN IBC SECTION 1704.5 TO THE AUTHORITY HAVING JURISDICTION. FINAL SPECIAL INSPECTION REPORTS WILL BE REQUIRED BY EACH SPECIAL INSPECTION FIRM PER IBC SECTION 1704.2.4.

2. **STATEMENT OF SPECIAL INSPECTIONS:**
   - 2.1. THIS STATEMENT OF SPECIAL INSPECTIONS HAS BEEN WRITTEN WITH THE UNDERSTANDING THAT THE BUILDING OFFICIAL WILL:
     - 2.1.1. REVIEW AND APPROVE THE QUALIFICATIONS OF THE SPECIAL INSPECTOR.
     - 2.1.2. MONITOR THE SPECIAL INSPECTION ACTIVITY ON THE PROJECT SITE TO ENSURE THAT SPECIAL INSPECTORS ARE QUALIFIED AND PERFORMING THEIR DUTY AS STATED WITHIN THIS STATEMENT.
     - 2.1.3. REVIEW ALL SPECIAL INSPECTION REPORTS SUBMITTED TO THEM BY THE SPECIAL INSPECTOR.
     - 2.1.4. PERFORM INSPECTIONS AS REQUIRED BY IBC SECTION 110.3.
   - 2.2. THE FOLLOWING SPECIAL INSPECTIONS ARE APPLICABLE TO THIS PROJECT:
     SPECIAL INSPECTIONS FOR STANDARD BUILDINGS (PER IBC SECTION 1705.1) REQUIRED

3. **SPECIAL INSPECTION OF SHOP FABRICATED, GRAVITY LOAD-BEARING MEMBERS AND ASSEMBLIES:**
   - 3.1. SPECIAL INSPECTION OF SHOP FABRICATED, GRAVITY LOAD-BEARING MEMBERS AND ASSEMBLIES SHALL BE VERIFIED BY THE SPECIAL INSPECTOR AS STATED IN SECTION 1704.2.5.
   - 3.2. INCLUDE THE FOLLOWING:
     - 3.2.1. PRIOR TO THE START OF FABRICATION: SPECIAL INSPECTOR(S), REPRESENTING THE OWNER, SHALL VISIT THE FABRICATOR'S SHOP(S) WHERE THE WORK IS TO BE PERFORMED, AND VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION, CONTROL OF WORKMANSHIP, MATERIAL CONTROL, AND FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS.
     - 3.2.2. FABRICATOR SHALL HAVE AVAILABLE FOR INSPECTOR'S REVIEW DETAILED PROCEDURES FOR MATERIAL CONTROL THAT DEMONSTRATE THE FABRICATOR'S ABILITY TO MAINTAIN SUITABLE RECORDS AND PROCEDURES SUCH THAT, AT ANY TIME DURING THE FABRICATION PROCESS, THE MATERIAL SPECIFICATION, GRADE, AND APPLICABLE TEST REPORTS FOR PRIMARY LOAD-CARRYING MEMBERS ARE CAPABLE OF BEING DETERMINED.

4. **STRUCTURAL STEEL:** PER IBC SECTION 1705.2.1
   - 4.1. A QUALIFIED SPECIAL INSPECTOR OF AN "APPROVED AGENCY" PROVIDING QUALITY ASSURANCE (QA) SPECIAL INSPECTIONS FOR THE PROJECT SHALL REVIEW AND CONFIRM THE FABRICATOR AND ERECTOR'S QUALITY CONTROL (QC) PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO AISC 360 CHAPTER N, AISC 303, AWS D1.1, AND 2021 IBC CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK.
   - 4.2. REQUIREMENTS:
     - 4.2.1. QA AGENCY PROVIDING SPECIAL INSPECTIONS SHALL PROVIDE PERSONNEL MEETING THE MINIMUM QUALIFICATION REQUIREMENTS FOR INSPECTION AND NONDESTRUCTIVE TESTING (NDT) PER AISC 360 SECTION N4.
     - 4.2.2. VERIFY FABRICATOR AND ERECTOR QC PROGRAM PER AISC 360 SECTION N2.
     - 4.2.3. INSPECTION OF WELDS AND BOLTS BY BOTH QC AND QA PERSONNEL SHALL BE PER THE SCHEDULE OF SPECIAL INSPECTIONS IN THESE DRAWINGS. ALL PROVISIONS OF AWS D1.1 FOR STATICALLY LOADED STRUCTURES SHALL APPLY.
     - 4.2.4. NONDESTRUCTIVE TESTING (NDT) OF WELDS:
       - 4.2.4.1. NDT OF WELDED JOINTS PER AISC 360 SECTION N5
       - 4.2.4.2. RISK CATEGORY FOR DETERMINATION OF EXTENT OF NDT PER AISC 360 N5.5B IS NOTED IN THE DESIGN CRITERIA AND LOADS SECTION OF THESE GENERAL REQUIREMENTS.
       - 4.2.4.3. NDT PERFORMED SHALL BE DOCUMENTED AND REPORTS SHALL IDENTIFY THE TESTED WELD BY PIECE MARK AND LOCATION OF THE PIECE.
       - 4.2.4.4. FOR FIELD WORK, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY LOCATION IN THE STRUCTURE, PIECE MARK AND LOCATION OF THE PIECE.
     - 4.2.5. ADDITIONAL INSPECTION TASKS PER AISC 360 SECTION N5.8.
     - 4.2.6. INSPECTION FOR COMPOSITE CONSTRUCTION SHALL BE DONE PER AISC 360 SECTION N6.
   - 4.3. POST-INSTALLED ANCHORS TO CONCRETE AND MASONRY: SHALL COMPLY WITH IBC SECTION 1703. INSPECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE APPROVED ICC EVALUATION SERVICE REPORT (ICC-ESR) AND AS INDICATED BY THE DESIGN REQUIREMENTS SPECIFIED ON THE DRAWINGS. REFER TO THE POST-INSTALLED ANCHORS SECTION OF THE GENERAL NOTES FOR ANCHORS THAT ARE THE BASIS OF THE DESIGN. SPECIAL INSPECTOR SHALL VERIFY ANCHORS ARE AS SPECIFIED IN THE POST-INSTALLED ANCHORS SECTION OF THE GENERAL NOTES OR AS OTHERWISE SPECIFIED ON THE DRAWINGS. SUBSTITUTIONS REQUIRE APPROVAL BY THE SER AND REQUIRE SUBSTANTIATING CALCULATIONS AND A CURRENT 2021 IBC RECOGNIZED ICC-ESR. SPECIAL INSPECTOR SHALL DOCUMENT IN THEIR SPECIAL INSPECTION REPORT COMPLIANCE WITH EACH OF THE ELEMENTS REQUIRED WITHIN THE APPLICABLE ICC-ESR.
   - 4.4. PREFABRICATED CONSTRUCTION: ALL PREFABRICATED CONSTRUCTION SHALL CONFORM TO IBC SECTION 1703.

5. **SCHEDULES OF SPECIAL INSPECTIONS:**

5.1. TABLE 1705.6 - REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

NO.	SPECIAL INSPECTION	CONTINUOUS	PERIODIC
1	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	-	X
2	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	-	X
3	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	-	X
4	DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X	-
5	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	-	X

5.2. TABLE 1705.3 - REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

NO.	SPECIAL INSPECTION	CONTINUOUS	PERIODIC	REFERENCE STANDARD
1	INSPECT REINFORCEMENT, INCLUDING PRE-STRESSING TENDONS, AND VERIFY PLACEMENT	-	X	ACI 318 CHAPTER 20 ACI 318 SECTIONS 25.2, 25.3, & 26.6.1-26.6.3
3	INSPECT ANCHORS CAST IN CONCRETE	-	X	ACI 318 SECTION 17.8.2
4	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:	-	-	-
4a	ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	X	-	ACI 318 SECTION 17.8.2.4
4b	MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4a	-	X	ACI 318 SECTION 17.8.2
5	VERIFY USE OF REQUIRED DESIGN MIX	-	X	ACI 318 CHAPTER 19 ACI SECTIONS 26.4.3 & 26.4.4 IBC SECTION 1904.1, 1904.2
6	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	-	ASTM C172 & C31 ACI 318 SECTIONS 26.5 & 26.12
7	INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	-	ACI 318 SECTION 26.5
8	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	-	X	ACI 318 SECTIONS 26.5.3-26.5.5
9	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	-	X	ACI 318 SECTION 26.11.1.2(B)

5.3. MINIMUM REQUIREMENTS FOR INSPECTIONS OF STRUCTURAL STEEL CONSTRUCTION

NO.	SPECIAL INSPECTION	QC	QA	REFERENCE STANDARD
	INSPECTION TASKS PRIOR TO WELDING			
1	WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	P	O	AISC 360 TABLE N5.4-1
2	WELDING PROCEDURE SPECIFICATIONS (WPS'S) AVAILABLE	P	P	AISC 360 TABLE N5.4-1
3	MANUFACTURING CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	P	AISC 360 TABLE N5.4-1
4	MATERIAL IDENTIFICATION (TYPE/GRADE)	O	O	AISC 360 TABLE N5.4-1
5	WELDER IDENTIFICATION SYSTEM	O	O	AISC 360 TABLE N5.4-1
6	FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) JOINT PREPARATION DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) CLEANLINESS (CONDITION OF STEEL SURFACES) TACKING (TACK WELDING QUALITY AND LOCATION) BACKING TYPE AND FIT (IF APPLICABLE)	O	O	AISC 360 TABLE N5.4-1
7	FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y-, AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY) JOINT PREPARATION DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) CLEANLINESS (CONDITION OF STEEL SURFACES) TACKING (TACK WELDING QUALITY AND LOCATION)	P	O	AISC 360 TABLE N5.4-1
8	CONFIGURATION AND FINISH OF ACCESS HOLES	O	O	AISC 360 TABLE N5.4-1
9	FIT-UP OF FILLET WELDS DIMENSIONS (ALIGNMENT, GAPS AT ROOT) CLEANLINESS (CONDITION OF STEEL SURFACES) TACKING (TACK WELDING QUALITY AND LOCATION)	O	O	AISC 360 TABLE N5.4-1
10	CHECK WELDING EQUIPMENT	O	-	AISC 360 TABLE N5.4-1
	INSPECTION TASKS DURING WELDING			
1	USE OF QUALIFIED WELDERS	O	O	AISC 360 TABLE N5.4-2
2	CONTROL AND HANDLING OF WELDING CONSUMABLES PACKAGING EXPOSURE CONTROL	O	O	AISC 360 TABLE N5.4-2
3	NO WELDING OVER CRACKED TACK WELDS	O	O	AISC 360 TABLE N5.4-2
4	ENVIRONMENTAL CONDITIONS WIND SPEED WITHIN LIMITS PRECIPITATION AND TEMPERATURE	O	O	AISC 360 TABLE N5.4-2
5	WPS FOLLOWED SETTINGS ON WELDING EQUIPMENT TRAVEL SPEED SELECTED WELDING MATERIALS SHIELDING GAS TYPE/ FLOWRATE PREHEAT APPLIED INTERPASS TEMPERATURE MAINTAINED (MIN/MAX) PROPER POSITION (F, V, H, OH)	O	O	AISC 360 TABLE N5.4-2
6	WELDING TECHNIQUES INTERPASS AND FINAL CLEANING EACH PASS WITHIN PROFILE EACH PASS MEETS QUALITY REQUIREMENTS	O	O	AISC 360 TABLE N5.4-2
	INSPECTION TASKS AFTER WELDING			
1	WELDS CLEANED	O	O	AISC 360 TABLE N5.4-3
2	SIZE, LENGTH, AND LOCATIONS OF WELDS	P	P	AISC 360 TABLE N5.4-3
3	WELDS MEET VISUAL ACCEPTANCE CRITERIA CRACK PROHIBITION WELD/BASE-METAL FUSION CRATER CROSS SECTION WELD PROFILES WELD SIZE UNDERCUT POROSITY	P	P	AISC 360 TABLE N5.4-3
4	ARC STRIKES	P	P	AISC 360 TABLE N5.4-3
5	K-AREA	P	P	AISC 360 TABLE N5.4-3
6	WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES	P	P	AISC 360 TABLE N5.4-3
7	BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P	P	AISC 360 TABLE N5.4-3
8	REPAIR ACTIVITIES	P	P	AISC 360 TABLE N5.4-3
9	DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	P	AISC 360 TABLE N5.4-3
10	NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	P	P	AISC 360 TABLE N5.4-3
	INSPECTION TASKS PRIOR TO BOLTING			
1	MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	P	AISC 360 TABLE N5.6-1
2	FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	O	AISC 360 TABLE N5.6-1
3	CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	O	O	AISC 360 TABLE N5.6-1
4	CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	O	AISC 360 TABLE N5.6-1
5	CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	O	AISC 360 TABLE N5.6-1
6	PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	P	O	AISC 360 TABLE N5.6-1
7	PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENERS COMPONENTS	O	O	AISC 360 TABLE N5.6-1
	INSPECTION TASKS DURING BOLTING			
1	FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS ARE POSITIONED AS REQUIRED	O	O	AISC 360 TABLE N5.6-2
2	JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRE-TENSIONING OPERATION	O	O	AISC 360 TABLE N5.6-2
3	FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	O	AISC 360 TABLE N5.6-2
4	FASTENERS ARE PRE-TENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	O	AISC 360 TABLE N5.6-2
	INSPECTION TASKS AFTER BOLTING			
1	NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	P	P	AISC 360 TABLE N5.6-3
	INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT			
1	PLACEMENT AND INSTALLATION OF STEEL DECK	P	P	AISC 360 TABLE N6.1
2	PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	P	P	AISC 360 TABLE N6.1
3	DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS	P	P	AISC 360 TABLE N6.1

5.3.1. (O) - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS

5.3.2. (P) - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER, EACH BOLTED CONNECTION, OR EACH STEEL ELEMENT

5.4. REQUIRED SPECIAL INSPECTIONS AND TESTS FOR COLD-FORMED STEEL

NO.	SPECIAL INSPECTION	CONTINUOUS	PERIODIC
1	WELDING OF ALL ELEMENTS OF THE SEISMIC FORCE RESISTING SYSTEM IN ACCORDANCE WITH IBC SECTION 1705.12.2	-	X
2	SCREW ATTACHMENT, BOLTING, ANCHORING, AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC FORCE RESISTING SYSTEM, INCLUDING STRUTS, BRACES, HOLD-DOWNS, DIAPHRAGMS AND SHEAR WALLS	-	X
3	PERIODIC SPOT CHECK (MINIMUM OF 30 PERCENT) INSPECTIONS FOR THE FOLLOWING:	-	-
3a	MEMBER MATERIAL, SIZE, AND COATING	-	X
3b	ALIGNMENT, PLACEMENT, CONDITION OF MEMBERS SHALL MEET THE REQUIREMENTS OF THE "ERECTION TOLERANCES" SECTION	-	X
3c	WALL STUD BRIDGING AND STRONGBACK INSTALLATION	-	X
3d	CONNECTIONS: SCREWS & BOLT SIZE AND SPACING, WELDING OPERATIONS AND SIZE	-	X
4	SHOP FABRICATED ASSEMBLIES [NOTE 5.4.1]	-	X

5.4.1. WHERE OFF-SITE PREFABRICATION OF ASSEMBLIES OCCURS, SPECIAL INSPECTOR SHALL REVIEW THE FABRICATION SHOP'S QUALITY CONTROL PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO AISI CODE OF STANDARD PRACTICE, AWS D1.3, AND 2021 IBC SECTION 1704.2.5 CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK.

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SEAL

DCI PROJECT: 26191-0324
CONTACT: C. ULRICH

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PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

SCHEDULE OF SPECIAL INSPECTIONS

SCALE	
DRAWN	BIM
CHECKED	BIM
APPROVED	STK
DATE	08/21/2026

REVISIONS

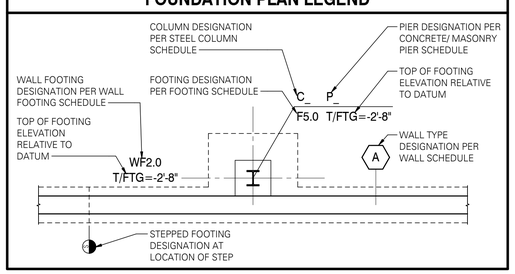
SYMBOL	DATE	DESCRIPTION
1	08/21/2026	BID SET

DRAWING #

S-005

NOTE:
ALL EXISTING FOOTINGS CALLED OUT ON PLAN ARE ESTIMATES BASED ON ENGINEERING JUDGEMENT UTILIZING 2000PSF ALLOWABLE SOIL BEARING CAPACITY. ALL NOTED FOOTING SIZES, LOCATIONS AND ELEVATIONS WILL NEED TO BE VERIFIED IN FIELD. CONTACT ENGINEER OF RECORD WITH ACTUAL SIZES PRIOR TO STARTING CONSTRUCTION.

FOUNDATION PLAN LEGEND



FOUNDATION PLAN NOTES:

1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S-000 SERIES.
2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS. ALL EXISTING DIMENSIONS SHALL BE FIELD VERIFIED.
3. TOP OF EXISTING SLAB (T/(E) SLAB) ELEVATION ASSUMED 0'-0" = DATUM ELEVATION (0.00'), UNO. FOR ACTUAL T/SLAB ELEVATION REFER TO CIVIL AND ARCHITECTURAL DRAWINGS.
4. TOP OF PIER (T/PIER) ELEVATION = -0'-8" BELOW DATUM, UNO. WHERE DIFFERS, THE ELEVATION SHALL BE NOTED THUS X'-X".
5. TOP OF FOOTING (T/FTG) ELEVATION BELOW DATUM ELEVATION PER PLAN. (*) INDICATES TOP OF FOOTING ELEVATION TO MATCH ADJACENT TOP OF FOOTING.
6. ALL FOOTINGS AND SLABS ON COMPETENT NATIVE SOIL AND/OR STRUCTURAL FILL. SUBGRADE PREPARATION, STRUCTURAL FILL, AND OTHER REQUIREMENTS PER STRUCTURAL GENERAL NOTES.
7. TOP OF NEW FOOTING TO MATCH TOP OF EXISTING FOOTING UNLESS NOTED OTHERWISE.
8. MOISTURE AND WATERPROOFING PER ARCHITECTURAL DRAWINGS.
9. TYPICAL FOUNDATION DETAILS PER SHEET S-400 SERIES.

STEEL COLUMN SCHEDULE

MARK	SIZE	BASE PLATE	ANCHOR BOLTS	BOLT GRADE	REMARKS
C1	HSS6x6x5/16	3/4x12x1'-0"	(4) 3/4"Ø	F1554 GR36	
C2	HSS5x5x5/16	3/4x5 1/2x'A' *	(4) 1/2"Ø HILTI KWIK HUS-EZ (2 1/2" EMBED)	GR36	'A' PER DETAIL **1/S-400**

CONCRETE PIER SCHEDULE

MARK	DIMENSIONS		REINFORCEMENT		REMARKS
	LENGTH	WIDTH	TIES	VERTICAL REINF	
P1	1'-4"	1'-4"	#3 @ 12"OC	(4) #5	

SPREAD FOOTING SCHEDULE

MARK	DIMENSIONS			REINFORCING	BRNG CAPACITY (psf)	REMARKS
	WIDTH	LENGTH	THICKNESS			
F3.0	3'-0"	3'-0"	1'-0"	(3) #4 B EW	2000	

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CONTACT: C. ULRICH

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PROJECT TITLE

WISSAHICKON LIBRARY INTERIOR IMPROVEMENTS

650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

FOUNDATION PLAN

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SCALE	As indicated
DRAWN	BIM
CHECKED	BIM
APPROVED	STK
DATE	08/21/2026

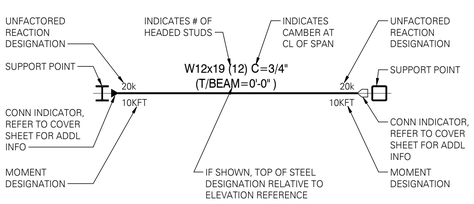
REVISIONS

SYMBOL	DATE	DESCRIPTION
1	08/21/2026	BID SET

DRAWING #

S-101

STEEL FRAMING PLAN LEGEND



* IF BEAM REACTIONS NOT SHOWN ON FRAMING PLAN, REFER TO REACTION PLAN FOR ADDL INFORMATION.

ROOF FRAMING PLAN NOTES:

1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S-000 SERIES.
2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS. ALL EXISTING DIMENSIONS SHALL BE FIELD VERIFIED.
3. ALL DUCTS, CHASES AND PIPES SHALL BE PER MECHANICAL, PLUMBING, ELECTRICAL AND SPRINKLER DRAWINGS.
4. ROOF SHEATHING PER PLAN AND STRUCTURAL GENERAL NOTES. SHEATHING TO BE ATTACHED TO ROOF FRAMING WITH #8 SCREWS @ 6"OC AT PANEL EDGES AND @ 12"OC FIELD, UNO. LAY SHEATHING WITH FACE GRAIN (LONG DIRECTION) PERPENDICULAR TO SUPPORTS AND STAGGER PANEL END JOINTS. PROVIDE 1/8" SPACE BETWEEN PANEL ENDS AND EDGES.
5. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SHORING.
6. 'KB' INDICATES L3 1/2x3 1/2x5/16 KICKER OR KNEE BRACE. ADDITIONAL INFORMATION PER DETAIL **5/S-500**.
7. 'NBL' INDICATES NON-BEARING LINTEL. ADDITIONAL INFORMATION PER DETAIL **4/S-500**.
8. 'SQL_' INDICATES SQUEEZE LINTEL. ADDITIONAL INFORMATION PER DETAIL **7/S-500**.
9. TYPICAL FRAMING DETAILS PER SHEET S-500 SERIES.

ROOF FRAMING PLAN

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

N

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WISSAHICKON LIBRARY INTERIOR IMPROVEMENTS

650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

ROOF FRAMING PLAN

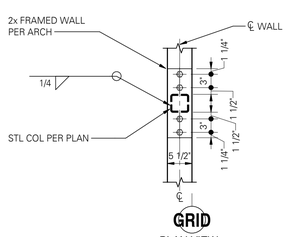
SCALE	As indicated
DRAWN	BIM
CHECKED	BIM
APPROVED	STK
DATE	08/21/2026

REVISIONS

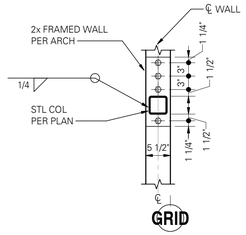
SYMBOL	DATE	DESCRIPTION
1	08/21/2026	BID SET

DRAWING #

S-102



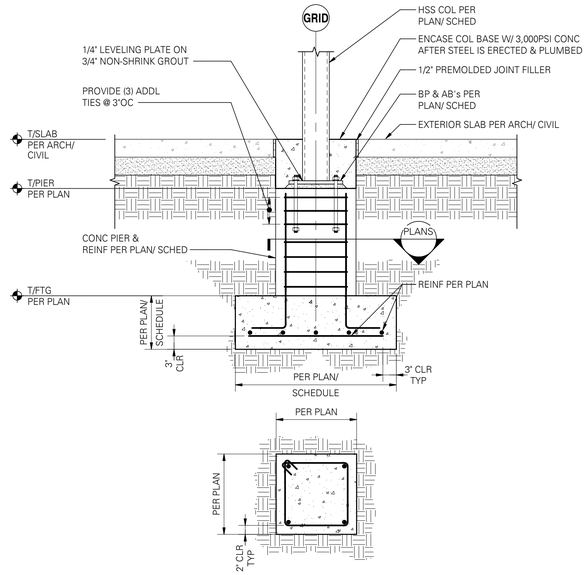
PLAN VIEW



PLAN VIEW - OFFSET

1 STEEL BASE PLATE CONNECTION

SCALE: 3/4" = 1'-0" (_M)



PLAN: SQUARE PIER

2 EXTERIOR SPREAD FOOTING AT STEEL COLUMN

SCALE: 3/4" = 1'-0" (03008_M)

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SEAL

DCI PROJECT: 26191-0324
CONTACT: C. ULRICH

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND THE ARCHITECT NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION

DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

FOUNDATION
DETAILS & SECTIONS

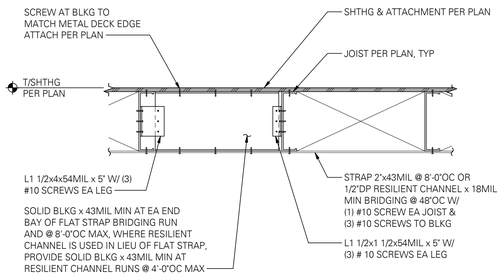
SCALE	3/4" = 1'-0"
DRAWN	BIM
CHECKED	BIM
APPROVED	STK
DATE	08/21/2026

REVISIONS

SYMBOL	DATE	DESCRIPTION
1	08/21/2026	BID SET

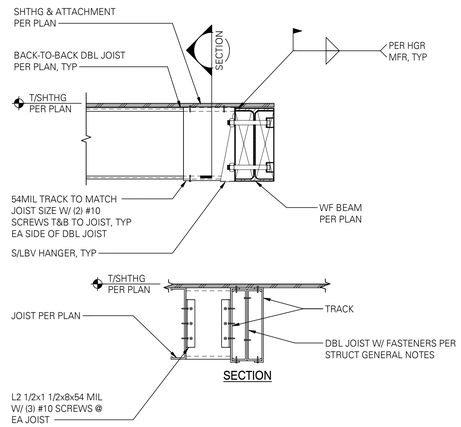
DRAWING #

S-400



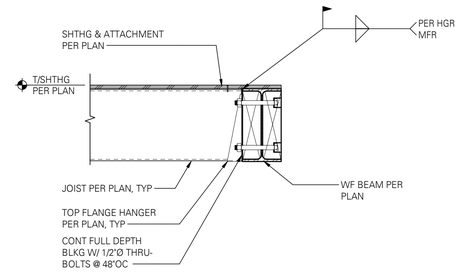
1 TYPICAL STEEL JOIST BRIDGING

SCALE: 1" = 1'-0" (07102_M)



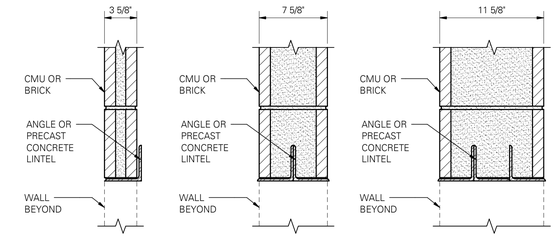
2 RIM JOIST AT CANOPY EDGE

SCALE: 1" = 1'-0" (07161A_M)



3 TYPICAL JOIST ATTACHMENT TO WIDE FLANGE BEAM

SCALE: 1" = 1'-0" (07160_M)



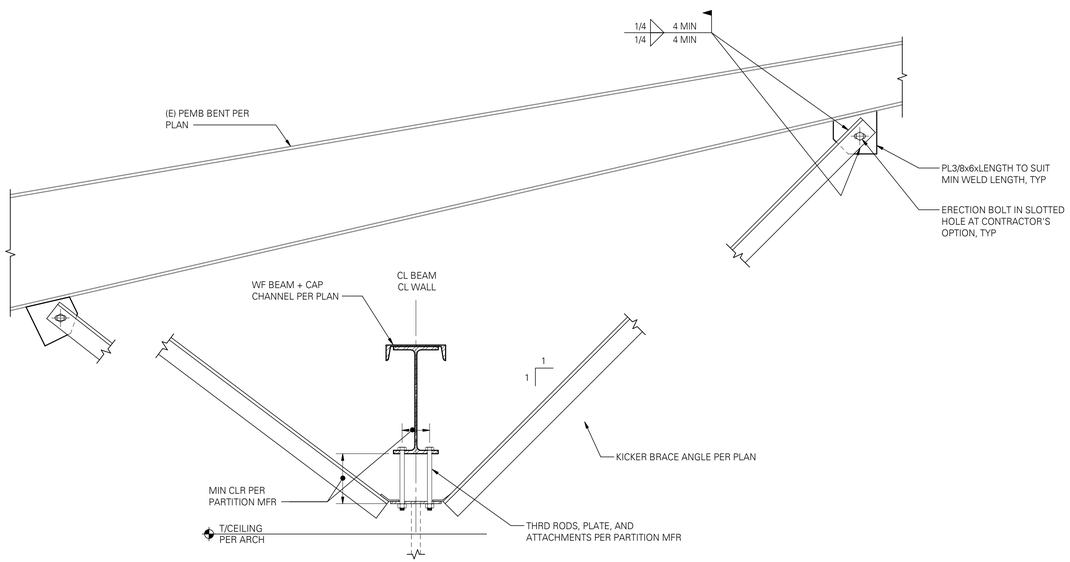
NON-BEARING LINTEL SCHEDULE

WIDTH OF OPENING	STEEL FOR EACH 4" OF WALL THICKNESS	PRECAST CONC FOR EACH 4" OF WALL THICKNESS	REMARKS
UP TO 2'-11"	L3-1/2 x 3-1/2 x 5/16	(1) #4 TOP & BOTTOM	
3'-0" TO 3'-11"	L4 x 3-1/2 x 5/16	(1) #4 TOP & BOTTOM	
4'-0" TO 5'-11"	L5 x 3-1/2 x 5/16	(1) #4 TOP & BOTTOM	
6'-0" TO 8'-0"	L6 x 3-1/2 x 5/16	(1) #5 TOP & BOTTOM	

NOTES:
1. ALL CONCRETE LINTELS SHALL BE 4000 PSI CONCRETE AT 28 DAYS WITH GRADE 60 REINFORCING.
2. ALL STEEL LINTELS SHALL BE ASTM A-36.
3. FILL CMU VOIDS SOLID (2) COURSES BELOW LINTEL BEARING.
4. ALL LINTELS SHALL HAVE 8" MINIMUM BEARING, UNO.
5. LINTEL TYPES (STEEL OR PRECAST) IS THE CONTRACTOR'S OPTION UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.

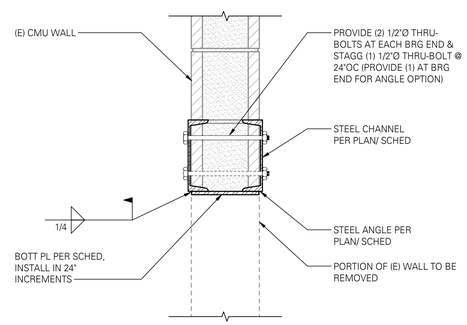
4 NON-BEARING LINTEL (NBL) SCHEDULE

SCALE: 1 1/2" = 1'-0" (04000-10-MID)



5 FOLDING PARTITION SUPPORT DETAIL

SCALE: 1" = 1'-0"



SQUEEZE LINTEL SCHEDULE

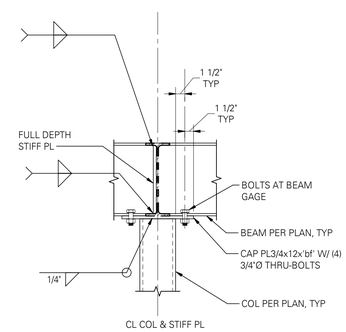
MARK	CHANNEL/ ANGLE SIZE	BRG LENGTH	BOT PL THK	REMARKS
SQL1	(2)L5x3x5/16 (LLV)	6"	5/16"	
SQL2	(2) C10x15.3	8"	3/8"	

ERECTION SEQUENCE:

1. SAWCUT (2) 3" SLOT ON ONE SIDE OF OPENING
2. INSTALL CHANNEL/ ANGLE ON PREPARED SIDE
3. REPEAT STEPS 1 & 2 FOR OPPOSITE SIDE OF OPENING
4. INSTALL THRU-BOLTS
5. INSTALL AND WELD PLATE TO UNDERSIDE OF CHANNELS IN STAGGERED, 24" INCREMENTS AS WALL IS REMOVED

7 NEW SQUEEZE LINTEL IN EXISTING CMU WALL DETAIL (CHANNELS)

SCALE: 1 1/2" = 1'-0" (05000-01B-MID_M)



BEAM OVER COLUMN

NOTES:
1. 'bf' INDICATES BEAM FLANGE WIDTH.

8 BEAM TO HSS COLUMN CONNECTIONS

SCALE: 1" = 1'-0" (05050-MID_M)

AMC Jr.
ALBERT M. COMLY JR.
ARCHITECT

CONSULTANTS

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CIVIL / STRUCTURAL

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SEAL

DCI PROJECT: 26191-0324
CONTACT: C. ULRICH

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PRICING NOTE: THESE DOCUMENTS REPRESENT THE CURRENT STATE OF A DEVELOPING DESIGN AND AS SUCH, NOT ALL CONDITIONS ARE CURRENTLY SHOWN. ALL STRUCTURAL DETAILS AND CONNECTIONS SHOULD BE ACCOUNTED FOR IN THE GENERAL CONTRACTOR PRICE AND SCOPE OF SERVICES, WHETHER THE SPECIFICS OF THESE CONDITIONS ARE SHOWN OR NOT SHOWN ON THESE DOCUMENTS

FOR BID (NOT FOR CONSTRUCTION)
These drawings have been released at the request of the client for the purpose of bidding. These drawings are not intended for purposes of obtaining a permit or construction.

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

FRAMING DETAILS & SECTIONS

SCALE	As indicated
DRAWN	BIM
CHECKED	BIM
APPROVED	STK
DATE	08/21/2026

REVISIONS

SYMBOL	DATE	DESCRIPTION
1	08/21/2026	BID SET

DRAWING #

S-500

ELECTRICAL GENERAL NOTES

1. ALL WORK IS TO CONFORM WITH THE 2020 NATIONAL ELECTRICAL CODE AND ALL APPLICABLE CODES, REGULATIONS AND STANDARDS. NOT ALL CODE REQUIREMENTS HAVE BEEN DESCRIBED IN THIS SPECIFICATION OR INDICATED ON THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH THE CODES AND INSTALL THE WORK IN ACCORDANCE WITH CODES.
2. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND SUPERVISION NECESSARY TO INSTALL COMPLETE OPERATING ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN, INCLUDING ALL SITE WORK ON THE SITE AND WITHIN THE PROPOSED CONSTRUCTION AREAS TO ACCOMPLISH THE REQUIRED WORK.
3. THE CONTRACTOR IS TO BE RESPONSIBLE FOR COORDINATION OF ALL WORK ASSOCIATED WITH THE ELECTRIC UTILITY COMPANY. MAKE ALL ARRANGEMENTS IN A TIMELY FASHION FOR CONNECTION OF THE ELECTRICAL SERVICE.
4. PROVIDE 3/8" = 1'-0" SCALE DRAWINGS OF THE MAIN ELECTRICAL ROOM INDICATING ALL ELECTRICAL, MECHANICAL, PLUMBING, TELEPHONE, SECURITY, FIRE ALARM, AND LIFE SAFETY EQUIPMENT TO BE INSTALLED WITHIN THIS ROOM. ALL EXACT DIMENSIONS OF EQUIPMENT, PADS, ETC., ARE TO BE INDICATED. PROVIDE TWO CROSS-SECTIONS AT IMPORTANT POINTS. OBTAIN INFORMATION FROM OTHER SUB-CONTRACTORS AS NEEDED, AND APPROPRIATE. SUBMIT THE ABOVE FOR REVIEW, AND APPROVAL ALONG WITH ELECTRICAL EQUIPMENT SUBMITTALS. EQUIPMENT WILL NOT BE APPROVED PRIOR TO REVIEW OF THIS DRAWING.
5. PROVIDE ADDRESSABLE FIRE ALARM SYSTEM WITH BATTERY BACKUP, HORN/ STROBES, MANUAL PULL STATIONS, DETECTORS, STROBES, DUCT DETECTORS, REMOTE ANNUNCIATOR, TELEPHONE AUTO DIALER, FIRE-FIGHTER PHONES, AND ALL ASSOCIATED CONTROLS, AND APPURTENANCES.
6. PROVIDE POWER TO HVAC AND PLUMBING EQUIPMENT AS REQUIRED FOR COMPLETE, OPERATIONAL SYSTEMS.
7. PROVIDE LIGHTING THROUGH-OUT, WITH EXTERIOR LIGHTING AT ALL EGRESS DOORS.
8. THE CONTRACTOR IS TO BE RESPONSIBLE FOR SELECTING PARTICULAR MOUNTING ARRANGEMENTS OF FIXTURES TO SUIT THE CONSTRUCTION, OR CEILING TYPE. THE CONTRACTOR OR HIS AGENT IS TO REVIEW ALL ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS TO VERIFY ALL CEILING TYPES PRIOR TO PREPARING SHOP DRAWINGS FOR SUBMISSION. IT IS NOT TO BE UNDERSTOOD THAT THE LIGHTING FIXTURE SCHEDULE ACCOUNTS FOR THE MOUNTING TYPES, CEILING TYPES ARE FREQUENTLY CHANGED AFTER THE SCHEDULE HAS BEEN COMPLETED.
9. FIXTURES AND DEVICES RECESSED IN A FIRE-RATED CEILING ARE TO BE PROVIDED WITH A FIRE-RATED ENCLOSURE THAT MAINTAINS THE FIRE-RATING OF THE CEILING SYSTEM. THE INSTALLATION OF THE ENCLOSURE IS TO MEET THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. WHERE APPLICABLE, FIXTURES AND DEVICES ARE TO BE RATED FOR INSULATION CONTACT (IC) FOR HIGH-TEMPERATURE OPERATION.
10. ALL ROOMS ARE TO BE PROVIDED WITH LIGHTING CONTROLS. PROVIDE MANUAL SWITCH(ES) AND APPROPRIATE, CODE-REQUIRED LIGHTING CONTROL DEVICES, WIRING METHODS, AND COMPONENTS.
11. PROVIDE EGRESS AND EMERGENCY LIGHTING AS REQUIRED BY CODE IN ALL SPACES TO MEET REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. ALLOW FOR TEN ADDITIONAL FIXTURES TO BE INSTALLED WHERE DIRECTED BY THE AUTHORITY HAVING JURISDICTION.
12. PROVIDE GROUNDING SYSTEM FOR FACILITY IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
13. PROVIDE ROOF PENETRATIONS FOR ALL ASSOCIATED ELECTRICAL WORK.
14. SWITCH PLATES AND OUTLET BACKBOXES ARE NOT TO BE INSTALLED BACK-TO-BACK IN ADJACENT ROOMS. BACKBOX LOCATIONSARE TO BE OFFSET A MINIMUM OF 0'-3" TO REDUCE NOISE TRANSFER, THIS APPLIES TO RECEPTACLES, LIGHTING FIXTURES, TV OUTLETS, TELEPHONE OUTLETS, AND DATA OUTLETS.
15. ALL DEVICES LOCATED ON OPPOSING SIDES OF A FIRE-RATED WALL ASSEMBLY ARE TO BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 2'-0".
16. GROUND FAULT CIRCUIT INTERRUPTERS ARE TO BE PROVIDED FOR ALL OUTDOOR RECEPTACLE CIRCUITS, RECEPTACLE CIRCUITS WITHIN TOILET AND BATHROOMS, AREAS IN CLOSE PROXIMITY TO WATER, AND WHEREVER ELSE INDICATED ON THE DRAWINGS OR AS REQUIRED BY CODE. WHILE-IN-USE TYPE COVERS ARE TO BE USED FOR ALL EXTERIOR LOCATIONS.
17. PROVIDE CODE REQUIRED SIGNAGE (I.E., NEC 110.34, NEC 700.8, AND 695.4 B3).
18. PROVIDE THIRD-PARTY CERTIFICATION OF ALL PACKAGED SYSTEMS BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) IN ACCORDANCE WITH OSHA FEDERAL REGULATIONS 29CFR1910.303 AND .399 AS WELL AS PAMPHLET #70 AND NATIONAL ELECTRICAL CODE ARTICLE 90-7.
19. ALL EQUIPMENT PANELS, CONTROLS, SAFETY SWITCHES, AND DEVICES ARE TO BE PROVIDED WITH PERMANENT BLACK LAMINATED MICARTA WHITE CORE LABELS WITH 3/8" LETTERS. THIS ALSO APPLIES TO ALL CONTROLLERS, REMOTE START/ STOP PUSHBUTTONS, EQUIPMENT CABINETS, AND WHERE DIRECTED BY THE ARCHITECT AND ENGINEER. THIS REQUIREMENT DOES NOT APPLY TO INDIVIDUAL ROOM THERMOSTATS, AND LOCAL LIGHTING CONTROL DEVICES.
20. ALL EXPOSED INTERIOR WIRING METHODS, PANEL FEEDERS, HOME RUNS, AND EQUIPMENT FEEDERS ARE TO BE INSTALLED IN EMT (ELECTRICAL METALLIC TUBING). ALL EMT IS TO BE SECURELY FASTENED AT INTERVALS NOT EXCEEDING 10-0" AND WITHIN 3'-0" OF ALL BOXES. NOTE: "EXPOSED" INDICATES ALL WIRING METHODS NOT INSTALLED WITHIN WALLS, ABOVE SUSPENDED CEILINGS, OR WITHIN A PRE-MANUFACTURED RACEWAY. ANY EXPOSED RACEWAY IN A FINISHED SPACE IS TO BE COORDINATED WITH THE ARCHITECT/ ENGINEER PRIOR TO INSTALLATION.
21. ALL CONCEALED BRANCH CIRCUIT WIRING METHODS INSTALLED ABOVE SUSPENDED CEILINGS, AND IN STUD PARTITIONS IS TO BE MC (METAL CLAD) CABLE. MC CABLE IS TO BE SECURELY FASTENED AT INTERVALS NOT EXCEEDING 4'-6", AND WITHIN 1'-0" OF ALL BOXES AND/OR FITTINGS.

PROJECT GENERAL NOTES

1. OBTAIN AND PAY FOR ALL BUILDING PERMITS, INSPECTIONS, CONNECTION CHARGES, AND FEES.
2. PROVIDE SHOP DRAWINGS OF ALL EQUIPMENT FOR REVIEW PRIOR TO ORDERING. COORDINATE ALL PHYSICAL DIMENSIONS PRIOR TO SHOP DRAWING SUBMISSION.
3. ALL THREE PHASE STARTER EQUIPMENT IS TO BE PROVIDED BY THE MECHANICAL CONTRACTOR AND IS TO BE MAGNETIC, ACROSS-THE-LINE WITH AUXILIARY CONTACTS. ALL SINGLE PHASE STARTER EQUIPMENT IS TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
4. COORDINATE LOCATIONS AND ROUGH-IN REQUIREMENTS WITH ALL TRADES PRIOR TO INSTALLATION.
5. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR PRIOR TO PURCHASING EQUIPMENT. VERIFY ALL VOLTAGE AND AMPERE REQUIREMENTS FOR FEEDERS, AND MOCP DEVICES.
6. ALL WORK IS TO BE CONCEALED, UNLESS OTHERWISE INDICATED.
7. ALL DEVICES ARE TO BE INSTALLED SQUARE, LEVEL, PLUMB, AND TRUE.
8. FINAL LOCATIONS OF ALL DEVICES, AND EQUIPMENT IN FINISHED SPACES ARE TO BE COORDINATED, AND APPROVED BY THE ARCHITECT/ OWNER PRIOR TO ROUGH-IN AND INSTALLATION.
9. THE CONTRACTOR TO PROVIDE MANUFACTURER'S START-UP OF ALL EQUIPMENT, AND SYSTEMS.
10. NO PVC PIPING IS PERMITTED IN RETURN AIR PLENUMS.
11. PROVIDE ALL ACCESS DOORS FOR ALL VALVES, DAMPERS, DEVICES, CONTROLLERS, ETC. WHICH MAY REQUIRE SERVICE. ALL ACCESS PANELS ARE BE 16 GAUGE STEEL FRAME, 20 GAUGE HINGED DOOR, LOCKABLE, AND FIRE-RATED (WHEN INSTALLED IN RATED WALLS, FLOORS, "B" LABEL, 1-1/2 HOURS). FINISH AS SELECTED BY THE ARCHITECT.
12. PROPERLY INSTRUCT OWNER'S PERSONNEL IN THE OPERATION AND MAINTENANCE OF ALL SYSTEMS AND EQUIPMENT. PROVIDE THREE INSTRUCTION AND MAINTENANCE MANUALS. SUBMIT MANUALS FOR REVIEW PRIOR TO OPERATING INSTRUCTION.
13. COORDINATE LOCATIONS AND ROUGH-IN REQUIREMENTS WITH ALL TRADES PRIOR TO INSTALLATION.
14. IF THE CONTRACTOR ELECTS TO SUBMIT ALTERNATE EQUIPMENT, MANUFACTURERS, SYSTEMS, METHODS, OR MATERIALS NOT SPECIALLY IDENTIFIED IN THE DRAWINGS AND SPECIFICATIONS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE WORK WITH OTHER TRADES AND PAY FOR ANY ADDITIONAL COSTS ASSOCIATED WITH THE SUBSTITUTION OR CHANGE.
15. PROVIDE ONE SET OF ELECTRONIC AS-BUILT DRAWINGS AT COMPLETION OF WORK. SUBMIT TO OWNER AND ENGINEER FOR REVIEW AND APPROVAL.
16. THE CONTRACTOR IS TO SURVEY AND VERIFY ALL EXISTING CONDITIONS PRIOR TO BID SUBMISSION AND BECOME AWARE OF ALL CONDITIONS WHICH MAY IMPACT THE REQUIRED WORK. CONTRACTOR IS TO INCLUDE ALL ASSOCIATED COSTS (MATERIALS/ LABOR) DETERMINED TO BE REQUIRED DURING SITE INSPECTIONS. CONTRACTOR'S BID SUBMISSION IS TO BE CONSIDERED PROOF THAT THIS REQUIREMENT HAS BEEN MET.
17. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE TAKEN AS A WHOLE. IF A CONFLICT OR CONTRADICTION EXISTS BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE MORE STRINGENT WILL APPLY. THE ARCHITECT'S AND ENGINEER'S INTERPRETATION OF THE DOCUMENTS ARE TO BE BINDING UPON THE CONTRACTOR.
18. ALL WORK IS TO BE COORDINATED WITH, AND APPROVED BY THE OWNER PRIOR TO ANY SHUT-DOWNS. ALL REQUESTS ARE TO BE SUBMITTED, IN WRITING, TO THE OWNER 24, TO 48 HOURS PRIOR TO REQUESTED DELETIONS.

PLUMBING GENERAL NOTES

1. ALL WORK IS TO BE IN CONFORMANCE WITH 2021 INTERNATIONAL PLUMBING CODE OR LOCAL CODE HAVING JURISDICTION. NOT ALL CODE REQUIREMENTS ARE DESCRIBED IN THIS SPECIFICATION OR INDICATED ON THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH THE CODES AND INSTALL THE WORK IN ACCORDANCE WITH CODES.
2. ALL FINISHES RELATED TO PLUMBING EQUIPMENT, TERMINAL EQUIPMENT, AIR DEVICES, PERIMETER HEATERS, LOUVERS, ACCESS PANELS, EXPOSED WIREMOLD/ RACEWAYS, ETC. ARE TO BE COORDINATED AND SELECTED BY THE ARCHITECT/ OWNER/ ENGINEER PRIOR TO SHOP DRAWING SUBMISSION, ORDERING, AND INSTALLATION.
3. FINAL LOCATIONS FOR ALL ACCESS PANELS, ETC. IN FINISHED AREAS IS TO BE COORDINATED WITH, AND APPROVED BY THE ARCHITECT/ OWNER PRIOR TO ROUGH-IN AND INSTALLATION.
4. ALL EXTERIOR WALL/ ROOF PENETRATIONS ARE TO BE SEALED, AIR, AND WATER-TIGHT. ALL PIPING PASSING THROUGH WALL, OR FLOOR PENETRATIONS IS TO HAVE SLEEVES. ALL WALL, OR FLOOR-RATED PENETRATIONS ARE TO BE SEALED WITH FIRE-RATED SEALANT FORMED IN PLACE (BY 3M OR HILTI).
5. ALL TRIM, TRAPS, ESCUTCHEON PLATES, SEAT HINGES AND ANY MISCELLANEOUS PARTS OF FIXTURES ARE TO BE CHROME-PLATED BRASS.
6. ALL VENTS THROUGH ROOF ARE TO BE FLASHED WITH "SURE SEAL" PRE-MOLDED, OR SIMILAR TYPE BOOT AS RECOMMENDED BY THE ROOFING CONTRACTOR.
7. THE CONTRACTOR IS TO COORDINATE ALL WORK AND THE WORK OF SUB-CONTRACTORS TO ENSURE THAT ALL THE WORK IS COVERED. THE CONTRACTOR IS TO PROVIDE COMPLETED COORDINATION DRAWINGS, INCLUDING ALL TRADES (MECHANICAL, ELECTRICAL, AND FIRE PROTECTION). THE CONTRACTOR IS TO COORDINATE ALL CONNECTIONS TO SITE CIVIL WORK PRIOR TO STARTING ANY WORK.
8. THE CONTRACTOR IS TO PROVIDE BALANCING VALVES ON ALL BRANCHES OF THE DOMESTIC HOT WATER RETURN SYSTEM, BALANCE THE SYSTEM, AND PROVIDE BALANCING REPORT TO THE OWNER/ ENGINEER FOR RECORD.

MECHANICAL GENERAL NOTES

1. ALL WORK IS TO BE IN COMPLIANCE WITH THE 2021 INTERNATIONAL MECHANICAL CODE AND LOCAL CODE. NOT ALL CODE REQUIREMENTS HAVE BEEN DESCRIBED IN THIS SPECIFICATION OR INDICATED ON THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH THE CODES AND INSTALL THE WORK IN ACCORDANCE WITH CODES.
2. SUBMIT SHOP DRAWINGS OF ALL SHEET METAL FOR REVIEW. DRAWINGS ARE TO BE NOT LESS THAN 1/4"=1'-0" SCALE AND ARE TO INDICATE ALL STEEL, PIPING, CONDUIT WIRING METHODS, LIGHTING FIXTURES, SPRINKLER, EQUIPMENT, AND ARCHITECTURAL FEATURES. DUCTWORK IS TO BE INDICATED DOUBLE-LINE. INDICATE DETAIL OF FIRE DAMPER. SHEET METAL SHOP DRAWING WILL BE UTILIZED FOR CONTRACTOR'S COORDINATION DRAWINGS AND IS TO BE SUBMITTED FOR REVIEW, AND APPROVAL PRIOR TO INSTALLATION. IF SHEET METAL SHOP DRAWINGS ARE NOT SUBMITTED, OR IF THE CONTRACTOR INSTALLS THE DUCTWORK WITHOUT PRIOR APPROVALS, THE CONTRACTOR IS TO ASSUME ALL RESPONSIBILITIES AND FIELD COORDINATION, AND PAY ALL ASSOCIATED COSTS ASSOCIATED WITH DUCTWORK INSTALLATION DEFICIENCIES, AND FIELD COORDINATION ISSUES.
3. ALL DUCTWORK IS TO COMPLY WITH NFPA PAMPHLET 90 A. ALL DUCTWORK SEAMS ARE TO BE SEALED WITH DUCT SEALANT. ALL NEW DUCTWORK SECTIONS AND FITTINGS TO BE INSTALLED ON THE PROJECT ARE TO BE COVERED, AND SEALED FROM DUST, DIRT, DEBRIS.
4. PROVIDE TEST, BALANCE, AND ADJUST REPORT (ALL AIR SYSTEMS) AT THE COMPLETION OF THE WORK. BALANCE AIR QUANTITIES AND FLOW RATES TO VALUES AS INDICATED ON THE DRAWINGS. SET DAMPER AND VALVE POSITIONS. ALLOW FOR ONE SHEAVE CHANGE PER EACH (50%) OF THE HVAC SYSTEMS. PROVIDE TOTAL AND STATIC PRESSURE READINGS, TRAVERSE AT FAN INLETS, AND OUTLETS. T.B.A. CONTRACTOR IS TO BE INDEPENDENT, AND AABC/ NEBB CERTIFIED.
5. PROVIDE CONDENSATE DRAIN TO ACCEPTABLE CODE APPROVED DISCHARGE POINT, 1-1/2" (PVC). ALL CONDENSATE PIPING IS TO HAVE 1/2" FIBERGLASS INSULATION WITH VAPOR BARRIER, PROVIDE CONDENSATE PUMP(S) WITH DISCHARGE CHECK VALVE(S) IF GRAVITY FLOW IS NOT OBTAINABLE. SUBMIT SHOP DRAWING FOR REVIEW AND APPROVAL AND COORDINATE ELECTRICAL WORK WITH THE ELECTRICAL CONTRACTOR.
6. PROVIDE INSULATED PREFABRICATED ROOF CURB FOR ROOF-MOUNTED EQUIPMENT, DUCTWORK, AND PIPING AS MANUFACTURED BY THE ROOF-MOUNTED EQUIPMENT MANUFACTURER. ALL DUCT/ PIPING ROOF PENETRATIONS ARE TO HAVE ROOF CURBS. ALL ROOF CURBS ARE TO BE SECURED TO THE ROOF AND COORDINATED WITH THE OWNER'S ROOFING CONTRACTOR.
7. ALL FINISHES RELATED TO MECHANICAL EQUIPMENT, TERMINAL EQUIPMENT, AIR DEVICES, PERIMETER HEATERS, LOUVERS, ACCESS PANELS, EXPOSED WIREMOLD/ RACEWAYS, ETC. ARE TO BE COORDINATED AND SELECTED BY THE OWNER/ ENGINEER PRIOR TO SHOP DRAWING SUBMISSION, ORDERING, AND INSTALLATION.
8. FINAL LOCATIONS OF ALL THERMOSTATS, ACCESS PANELS, SPACE SENSORS, DETECTION DEVICES, ETC. IN FINISHED SPACES ARE TOI BE COORDINATED AND APPROVED BY THE OWNER PRIOR TO ROUGH-IN AND INSTALLATION.
9. PROVIDE NEW MERV 11 FILTERS FOR ALL NEW HVAC EQUIPMENT. CONTRACTOR IS TO PROVIDE ONE SPARE SET OF MERV 11 FILTERS FOR EACH HVAC SYSTEM, AND TURN OVER TO THE OWNER.
10. CONTRACTOR IS TO COVER ALL EXISTING SUPPLY, RETURN, EXHAUST, AND RELIEF AIR OPENINGS DURING CONSTRUCTION, AND/ OR DEMOLITION TO PREVENT DUST, DIRT, AND DEBRIS FROM ENTERING THE EXISTING DUCTWORK.

DESIGN CONDITION NOTES

1. DESIGN CONDITIONS:

   SIZING, DESIGN AND PERFORMANCE OF THE HEATING AND COOLING SYSTEMS ARE BASED ON THE FOLLOWING DESIGN CHARACTERISTICS. MODIFICATION OF ANY OF THESE CHARACTERISTICS MAY ADVERSELY AFFECT THE HEATING AND COOLING PERFORMANCE AND LEVEL OF COMFORT TO THE BUILDING OCCUPANTS.

   WEATHER STATION LOCATIONS - PHILADELPHIA, PA
   HEATING DEGREE DAYS = 4589

   OUTDOOR:
   WINTER DRY BULB 14°F
   SUMMER DRY BULB 90°F
   SUMMER WET BULB 74°F
   INDOOR:
   WINTER DRY BULB 70°F
   SUMMER DRY BULB 75°F

2. COORDINATION NOTE:
   THE CONTRACTOR IS TO COORDINATE UNIT LAYOUTS IN FIELD. MIRROR RESPECTIVE UNITS AS REQUIRED. REFER TO THE ARCHITECTURAL PLANS FOR CONFIGURATIONS.

DRAWING LIST

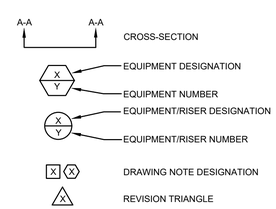
WISSAHICKON VALLEY PUBLIC LIBRARY			Issued for Bid 08/21/26	Issued for _____ xx/xx/xx	Issued for _____ xx/xx/xx
CS-101	COVER SHEET	- MECH/PLUM/ELEC	●		
DM-101	FLOOR PLAN - DEMOLITION	- MECHANICAL	●		
M-101	FLOOR PLAN	- MECHANICAL	●		
M-201	DETAILS & SCHEDULES	- MECHANICAL	●		
M-202	DETAILS & SCHEDULES	- MECHANICAL	●		
M-203	DETAILS & SCHEDULES	- MECHANICAL	●		
DP-101	FLOOR PLAN - DEMOLITION	- PLUMBING	●		
P-101	FLOOR PLAN	- PLUMBING	●		
P-201	DETAILS & SCHEDULES	- PLUMBING	●		
P-202	DETAILS & SCHEDULES	- PLUMBING	●		
DE-101	FLOOR PLAN - DEMOLITION	- ELECTRICAL	●		
E-101	FLOOR PLAN - LIGHTING	- ELECTRICAL	●		
E-102	FLOOR PLAN - POWER	- ELECTRICAL	●		
E-201	DETAILS & SCHEDULES	- ELECTRICAL	●		
E-202	DETAILS & SCHEDULES	- ELECTRICAL	●		
E-203	DETAILS & SCHEDULES	- ELECTRICAL	●		

SPRINKLER NOTES

SPRINKLER NOTES - EXISTING:

1. CONTRACTOR IS TO MODIFY THE EXISTING SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA-13 LIGHT HAZARD OCCUPANCY. REFER TO SPECIFICATIONS FOR DELEGATED DESIGN RESPONSIBILITY.
2. SPRINKLER SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE SUBMITTED TO THE STATE DEPARTMENT OF HEALTH, THE FIRE MARSHAL, LOCAL AUTHORITY HAVING JURISDICTION, OWNER'S INSURANCE CARRIER, AND MCHUGH ENGINEERING. THE FIRE PROTECTION SPRINKLER CONTRACTOR IS TO BE RESPONSIBLE FOR ACQUIRING APPROVAL PRIOR TO ORDERING, ROUGH-IN, OR INSTALLATION.
3. CONTRACTOR SHALL RAISE OR EXTEND EXISTING BRANCH/MAIN SPRINKLER PIPING TO SUIT NEW CEILING AND PARTITION ARRANGEMENT. CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND TYPES TO VERIFY IF SPRINKLER PIPING NEEDS TO BE RAISED OR LOWERED.
4. ALL EXISTING HEADS SHALL BE REPLACED W/ CONCEALED HEADS.
5. PROVIDE ADDITIONAL CONCEALED HEADS TO MATCH EXISTING WHERE REQUIRED, AND READJUST EXIST. HEADS TO SUIT THE NEW CEILING GRID LAYOUT.
6. SPRINKLER HEADS SHALL BE CENTERED IN THE TILES.
7. CONTRACTOR IS TO PROVIDE ALL THE NECESSARY MATERIALS & LABOR TO MODIFY AND COMPLETE INSTALLATION. "FLEX HEAD" SPRINKLER HEADS ARE ACCEPTABLE EQUAL.
8. CONTRACTOR TO PROVIDE 10 PSI FACTOR OF SAFETY.
9. PROVIDE ALLOWANCE TO REPLACE 10-20% FOR EXISTING SPRINKLER PIPING.
10. PROVIDE DRY SPRINKLER SYSTEM FOR NEW CANOPY WITH DRY VALVE IN STORAGE.

DRAWING SYMBOLS LIST



PROJECT DEDUCT/ADD ALTERNATES

1. REFER TO FLOOR PLANS.

BID DOCUMENTS AUGUST 21, 2026

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SEAL

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PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

COVER SHEET

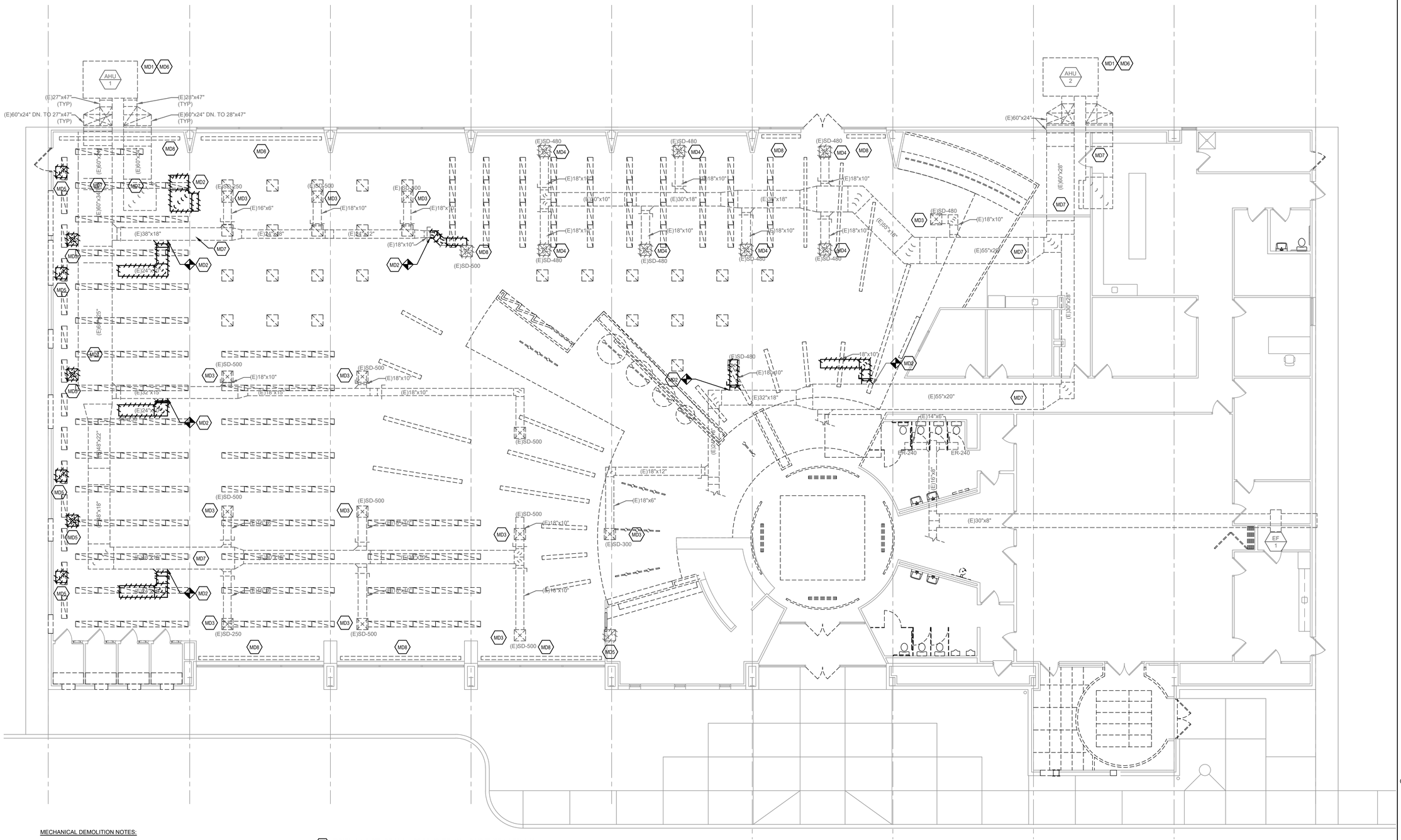
SCALE: AS NOTED
DRAWN: JW/AO/JV
CHECKED:
APPROVED:
DATE: AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

CS-101



FLOOR PLAN - DEMOLITION

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

MECHANICAL DEMOLITION NOTES:

MD1 CONTRACTOR SHALL PERFORM PRE-CONSTRUCTION AIR MEASUREMENTS (CFMS) AT ALL AIR DEVICES AND AIR HANDLING UNITS/SYSTEMS. CONTRACTOR SHALL PREPARE A REPORT INDICATING ALL AIR HANDLING SYSTEMS (UNIT NUMBERS, INLET/DISCHARGE STATIC PRESSURES, INLET/DISCHARGE CFMS, FILTER PRESSURE DROP, UNIT LOCATION, UNIT TAG INFORMATION, HP, ETC.), AIR DEVICE INFORMATION (TYPE (SA, RA, EA, OA), CFM, SIZE, NECK INLET DIAMETER), SYSTEM OUTSIDE AIR QUANTITY (CFM), SYSTEM EXHAUST AIR QUANTITY (CFM), AND ANY OTHER DEVICE/EQUIPMENT AND RELATED INFORMATION NOT SPECIFICALLY IDENTIFIED.

MD2 CONTRACTOR SHALL DEMOLISH EXISTING DUCTWORK TO POINT WHERE INDICATED ON THE DRAWING. GENERAL CONTRACTOR TO PATCH/REPAIR EXISTING WALL/CEILING TO MATCH EXISTING CONDITIONS. CONTRACTOR TO COORDINATE ALL WORK WITH ARCHITECT AND GENERAL CONTRACTOR.

MD3 EXISTING AIR DEVICES AND EXISTING BRANCH DUCTWORK TO REMAIN. AIR DEVICES AND DUCTWORK ON PLANS ARE BASED ON THE ORIGINAL DESIGN DOCUMENTS. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LOCATIONS IN THE FIELD PRIOR TO ANY WORK BEING PERFORMED.

MD4 EXISTING SUPPLY DIFFUSER AND ASSOCIATED BRANCH DUCTWORK SHALL BE REMOVED, CLEANED, AND RELOCATED AS NOTED ON THE NEW WORK PLANS.

MD5 EXISTING AIR DEVICE SHALL BE REMOVED INCLUDING EXISTING BRANCH DUCTWORK. PATCH, REPLACE AND REPAIR CEILING TILE AS NECESSARY

MD6 EXISTING ON GRADE PACKAGED ROOFTOP UNIT TO REMAIN AND BE REUSED. CONTRACTOR TO REBALANCE AND PERFORM MAINTENANCE TUNE-UP TO ENSURE FULL OPERATION FOR EXISTING UNIT. PROVIDE FULL MAINTENANCE REPORT TO OWNER.

MD7 EXISTING DUCTWORK SHALL REMAIN BUT MUST BE CLEANED THOROUGHLY. ALL EXISTING FLEXIBLE BRANCH CONNECTORS SHALL BE REPLACED WITH NEW INSULATED FLEXIBLE BRANCH CONNECTIONS. ALL EXISTING DUCTWORK TO REMAIN MUST HAVE ALL JOINTS SEALED WITH MASTIC, NEW DUCTWRAP INSULATION INSTALLED, AND JACKETED/TAPED ACCORDINGLY.

MD8 EXISTING BASEBOARD ELECTRIC HEATER TO REMAIN AND BE REUSED. CONTRACTOR TO PERFORM MAINTENANCE TUNE-UP TO ENSURE FULL OPERATION FOR EXISTING UNIT. PROVIDE FULL MAINTENANCE REPORT TO OWNER.

BID DOCUMENTS AUGUST 21, 2026

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PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

FIRST FLOOR PLAN
DEMOLITION-
MECHANICAL

SCALE	AS NOTED
DRAWN	JW/AO/JV
CHECKED	
APPROVED	
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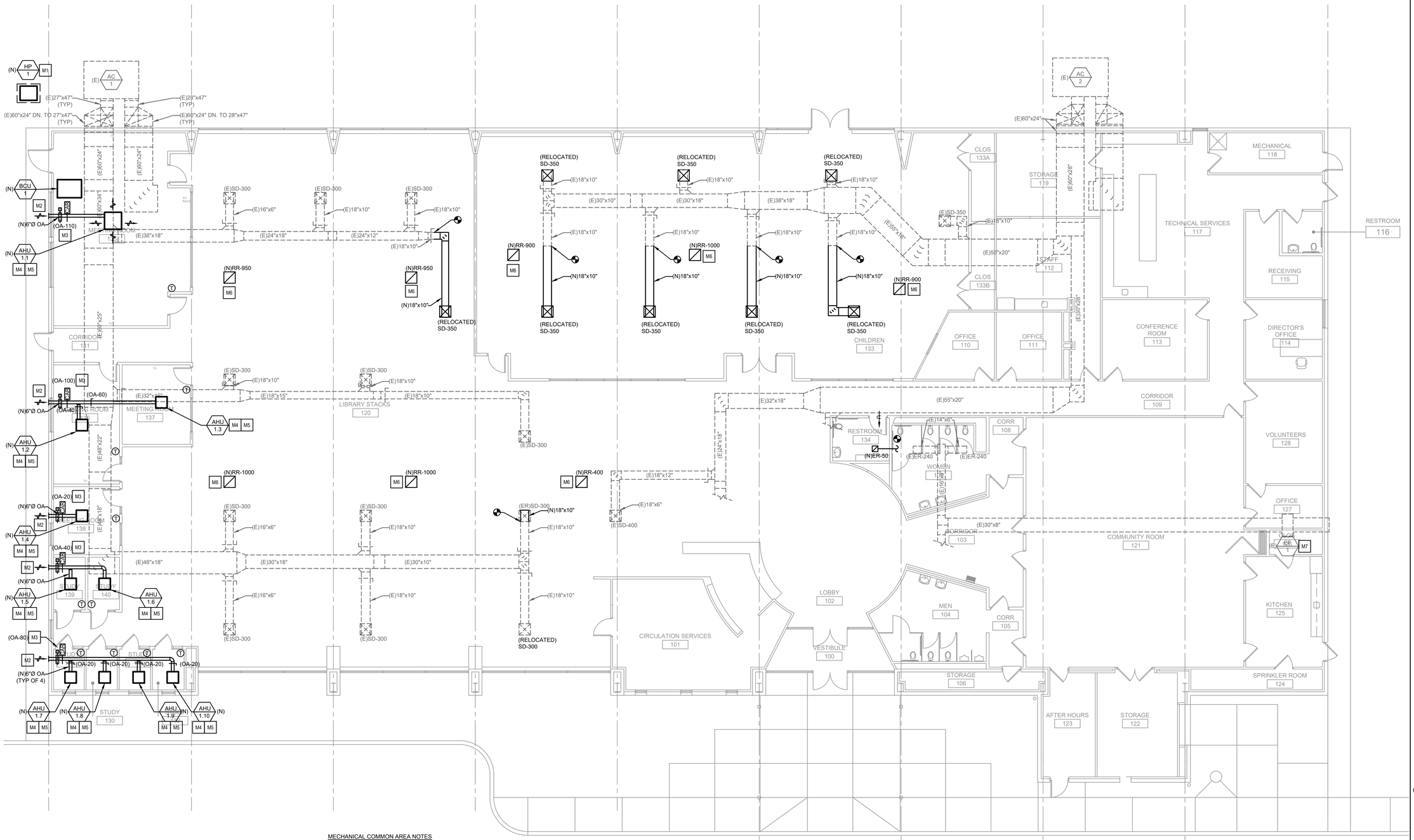
REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

DM-101



FLOOR PLAN

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

MECHANICAL GENERAL NOTES:

1. ALL DUCTWORK SIZES INDICATED ARE INSIDE DIMENSIONS UNLESS OTHERWISE NOTED.
2. DUCT SIZES INDICATED ON DRAWING ARE BASED AFTER THE LAST DIFFUSER AND/OR BRANCH TAKE-OFF.
3. CONTRACTOR TO PROVIDE A CLEAN OUT AT EVERY CHANGE IN DIRECTION OF A CONDENSATE LINE AND AT 25'-0" CENTERS.
4. RUN ALL CONDENSATE PIPING TO POINT OF DISCHARGE, PROVIDE REQUIRED AIR GAP AT DISCHARGE POINT, REFER TO PLANS & SPECIFICATIONS FOR SIZES AND REQUIREMENTS.
5. SHARP THROAT, RADIUS HEEL 90 DEGREE FITTINGS ARE UNACCEPTABLE. RADIUS ELBOWS (INNER AND OUTER) OR MITERED ELBOWS WITH TURNING VANES SHALL BE PROVIDED FOR ALL 90 DEGREE ELBOWS

MECHANICAL COMMON AREA NOTES

M1 OUTDOOR HEAT PUMP LOCATION. ALL LOCATIONS SHALL BE CONFIRMED WITH ARCHITECTURAL PLANS. LABEL ALL CONDENSING UNITS WITH TAG WITH RAISED OR LOWERED LETTERING. PROVIDE WEATHER TIGHT WALL PENETRATION BASED ON AIREX PRO-SYSTEM KIT. WHERE LOCATED NEXT TO A RAMP OR STAIR, PROVIDE SLEEVE INTO THE WALL WITH A LONG SWEEPING ELBOW TO GET THE REFRIGERANT PIPING ACROSS.

M2 LOUVER TO BE 4" DEEP, DRAINABLE, ALUMINUM CONSTRUCTION, BIRDSCREEN. REFER TO FLOOR PLAN FOR SIZE AND CFM. BASED ON GREENHECK ESD-635 WITH A FREE AIR VELOCITY OF 800 FT/MIN AT 0.1 STATIC PRESSURE AND 1250 FT/MIN WATER PENETRATION, OR PRIOR APPROVED EQUAL. FINISH TO BE SELECTED BY ARCHITECT.

M3 POSITION MOTOR OPERATED DAMPER AND CONSTANT AIR REGULATOR. INTERLOCK WITH UNIT OCCUPIED CONTROLS OF ASSOCIATED AIR HANDLER SUCH THAT OCCUPIED=OPEN AND UNOCCUPIED=CLOSED. REFER TO FLOOR PLAN FOR SIZE AND CFM.

M4 EXTEND REFRIGERANT PIPING TO OUTDOOR HEAT PUMP. ALL PIPING SHALL RUN CONCEALED. REFRIGERANT LENGTHS SHALL NOT EXCEED THE MANUFACTURER'S ALLOWABLE LENGTH.

M5 PROVIDE 36" CLEARANCE IN FRONT SERVICE SIDE OF THE UNIT.

M6 OPEN ENDED RETURN/TRANSFER DUCT ABOVE CEILING. ALL TRANSFER/RETURN DUCTWORK SHALL HAVE INTERNAL LINING AND (2) 90 DEGREE ELBOWS TO REDUCE SOUND TRANSMISSION WHERE INDICATED ON THE DRAWINGS.

M7 CONTRACTOR TO REBALANCE/ADJUST EXISTING FAN TO ACCOMMODATE ADDITIONAL CFM FOR NEW FAMILY RESTROOM EXHAUST

BID DOCUMENTS AUGUST 21, 2026

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PROJECT TITLE

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INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

FIRST FLOOR PLAN
MECHANICAL -

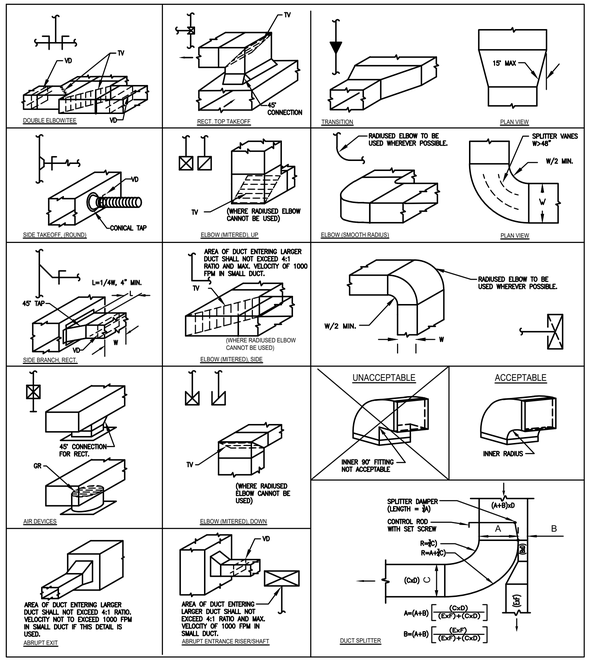
SCALE	AS NOTED
DRAWN	JW/AO/JV
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

M-101



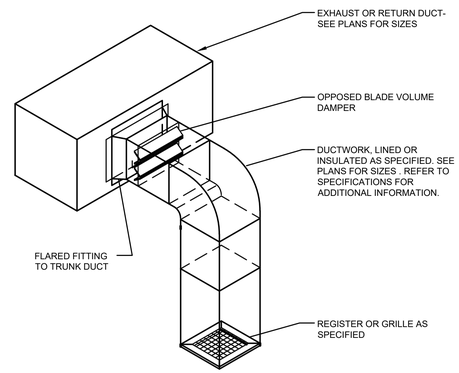
DUCTWORK DETAIL

SCALE: NONE

ABBREVIATIONS:

GR	EQUALIZING GRID
TV	TURNING VANES
VD	VOLUME DAMPER
AT	AIR TURN OR EXTRACTOR

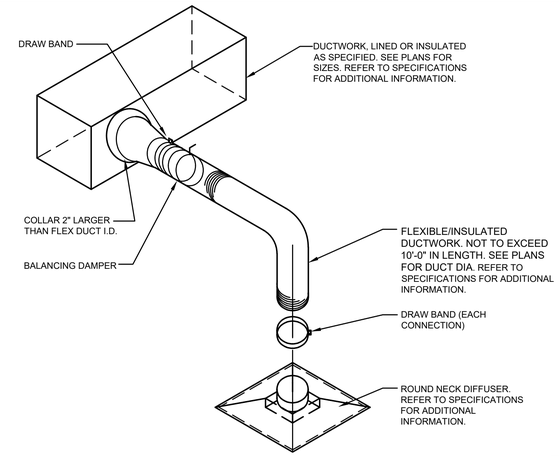
1



RETURN OR EXHAUST REGISTER/GRILLE DETAIL

SCALE: NONE

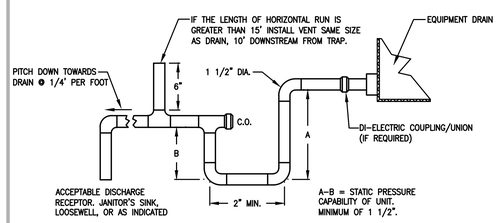
2



SUPPLY DIFFUSER DETAIL

SCALE: NONE

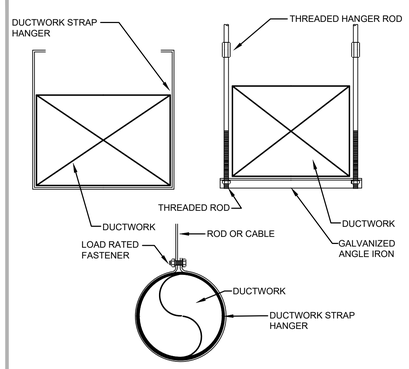
3



CONDENSATE TRAP

SCALE: NONE

4



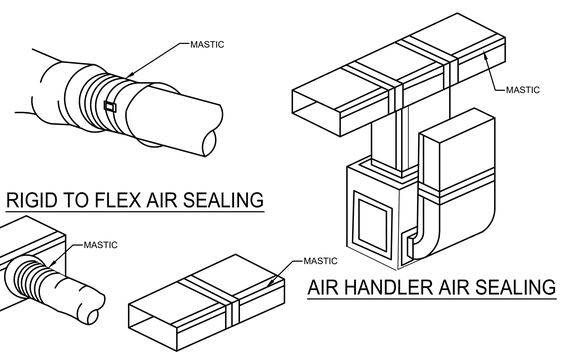
DUCTWORK HANGER DETAIL

SCALE: NONE

NOTES:

1. STRAP HANGERS TO BE CONSTRUCTED OF SAME GAUGE GALV STEEL AS DUCT.
2. STRAP HANGERS TO BE FASTENED TO DUCT WITH SHEET METAL SCREWS.

6



RIGID TO FLEX AIR SEALING

AIR HANDLER AIR SEALING

FLEX TAKE-OFF FROM RIGID AIR SEALING

RIGID DUCT AIR SEALING

7 9

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INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

DETAILS & SCHEDULES - MECHANICAL

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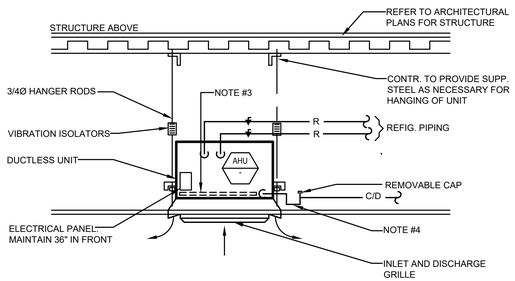
M-201



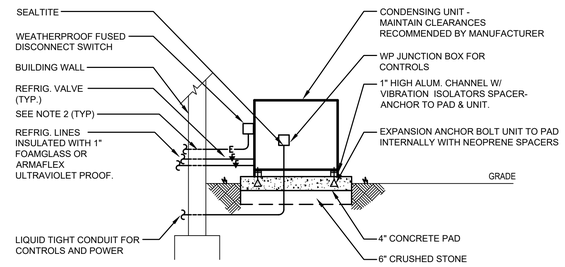
CEILING CASSETTE AIR HANDLING UNIT

SCALE: NONE

NOTE:

1. VERIFY IF EQUIPMENT IS PROVIDED WITH INTEGRAL CONDENSATE PUMP.
2. 24"x24" CASSETTE UNITS REQUIRE A CEILING ACCESS PANEL ADJACENT TO THE CONTROL SIDE, WHERE INSTALLED ON NON ACCESSIBLE CEILINGS.
3. FILTER RACK, ALLOW CLEARANCE FOR ACCESS.
4. 1 1/2" Ø MIN. CONDENSATE LINE TO ACCEPTABLE DISCHARGE POINT. REFER TO SEPARATE CONDENSATE TRAP DETAIL.

3



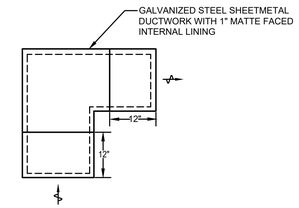
GRADE MOUNTED CONDENSING UNIT/HEAT PUMP DETAIL

SCALE: NONE

NOTE:

1. UP TO 5 TONS.
2. REFER TO AIREX DETAIL FOR ALL PIPING WALL PENETRATIONS

2



LINED RETURN ELBOW DETAIL

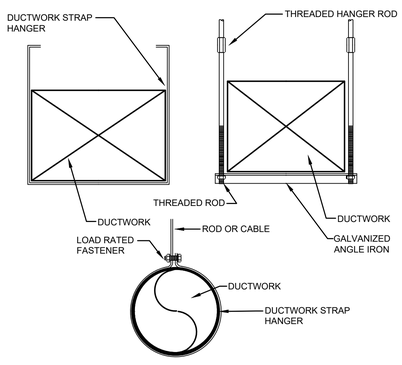
SCALE: NONE

NOTES:

ALL DUCTWORK SIZES INDICATED ARE INSIDE DIMENSIONS.

AIRFLOW RANGE	DUCT SIZE
0-350 CFM	14"x6"
351-500 CFM	14"x8"
501-750 CFM	14"x12"

1



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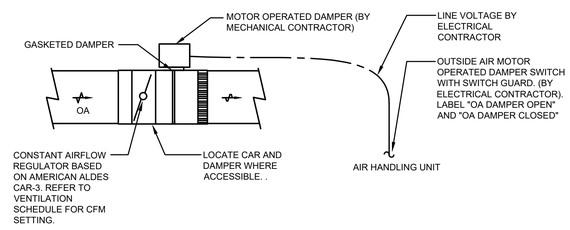

OUTSIDE AIR DAMPER DETAIL

SCALE: NONE

NOTES:

1. MOTORIZED DAMPER TO BE NORMALLY CLOSED (SPRING CLOSED, POWERED OPEN)
2. PROVIDE STEP-DOWN TRANSFORMER WHEN MOTORIZED DAMPER ONLY ACCEPTS 24V. (BY MECHANICAL CONTRACTOR)
3. THE CONTRACTOR CAN ALTERNATELY PROVIDE AN AMERICAN ALDES ZRT-SDIL SERIES DAMPER.

5

MECHANICAL SYMBOLS AND ABBREVIATIONS

	NEW DUCTWORK
	EXISTING DUCTWORK
	DUCTWORK TO BE DEMOLISHED
	FLEXIBLE DUCTWORK
	SUPPLY DIFFUSER
	SUPPLY DIFFUSER W/ROUND DUCT CONNECTION
	RETURN REGISTER/GRILLE EXHAUST REGISTER/GRILLE
CAR	CONSTANT AIRFLOW REGULATOR
T	THERMOSTAT HEIGHT 54" STANDARD HEIGHT 48" HANDICAP
, VD	VOLUME DAMPER
	MOTOR OPERATED DAMPER
	CONNECT TO EXISTING
	POINT OF REMOVAL
EA	EXHAUST AIR
OA	OUTSIDE AIR
RA	RETURN AIR
RG	RETURN AIR GRILLE
RR	RETURN AIR REGISTER
SA	SUPPLY AIR
SD	SUPPLY AIR DIFFUSER
SR	SUPPLY AIR REGISTER
(N)	NEW
(E)	EXISTING
(ED)	EXISTING TO BE DEMOLISHED
(ER)	EXISTING TO BE RELOCATED
(R)	REMOVE EXISTING
(RELOCATED)	RELOCATED EXISTING

4

BID DOCUMENTS AUGUST 21, 2026

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DRAWING #

M-202

VRF INDOOR UNIT SCHEDULE (AHU)

Tag Reference	Associated System	Model	Type	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Design Entering Temp DB/WB (°F)	Heating Design Entering Temp DB/WB (°F)	Corrected Capacity: SYSTEM CONNECTED CAPACITY %	Corrected Capacity: Cooling Total Capacity	Corrected Capacity: Heating Capacity (BTU/h)	Estimated Cooling Coil LAT (°F)	Estimated Heating Coil LAT (°F)	Voltage / Phase	MCA/MOCP	Notes / Options
AHU-1.1	HP-1	TPLFYP024EM1M0A	Ceiling-Cassette (Four-Way)	24,000.0	27,000.0	75.0/62.6	70.0	1.02	21,609.2	21,180.1	54.8	108.8	208/1	0.54/15	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15
AHU-1.2	HP-1	TPLFYP012FM1M0A	Ceiling-Cassette (Four-Way)	12,000.0	13,500.0	75.0/62.6	70.0	1.02	10,804.6	10,590.0	54.8	108.8	208/1	0.36/15	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15
AHU-1.3	HP-1	TPLFYP008FM1M0A	Ceiling-Cassette (Four-Way)	8,000.0	9,000.0	75.0/62.6	70.0	1.02	7,203.1	7,060.0	55.1	108.7	208/1	0.36/15	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15
AHU-1.4	HP-1	TPLFYP008FM1M0A	Ceiling-Cassette (Four-Way)	8,000.0	9,000.0	75.0/62.6	70.0	1.02	7,203.1	7,060.0	54.8	108.8	208/1	0.36/15	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15
AHU-1.5	HP-1	TPLFYP005FM1M0A	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	75.0/62.6	70.0	1.02	4,501.9	4,392.9	54.8	108.8	208/1	0.36/15	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15
AHU-1.6	HP-1	TPLFYP005FM1M0A	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	75.0/62.6	70.0	1.02	4,501.9	4,392.9	55.1	108.7	208/1	0.36/15	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15
AHU-1.7	HP-1	TPLFYP005FM1M0A	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	75.0/62.6	70.0	1.02	4,501.9	4,392.9	65.1	89.1	208/1	0.36/15	1,2,3,4,5,6,7,8,9,10,11,12,13,14
AHU-1.8	HP-1	TPLFYP005FM1M0A	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	75.0/62.6	70.0	1.02	4,501.9	4,392.9	59.0	98.4	208/1	0.36/15	1,2,3,4,5,6,7,8,9,10,11,12,13,14
AHU-1.9	HP-1	TPLFYP005FM1M0A	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	75.0/62.6	70.0	1.02	4,501.9	4,392.9	58.3	101.1	208/1	0.36/15	1,2,3,4,5,6,7,8,10,11,12,13,14,16
AHU-1.10	HP-1	TPLFYP005FM1M0A	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	75.0/62.6	70.0	1.02	4,501.9	4,392.9	58.5	99.1	208/1	0.36/15	1,2,3,4,5,6,7,8,10,11,12,13,14,16

Notes & Options:

1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
3 See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities
4 See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and integration devices.
5 It is recommended to always base heating corrected capacity on full demand.
6 Extend all refrigerant piping in accordance with manufacturer's instructions regarding length, traps, insulation, elevation distances, sizing, charge, etc.
7 Provide refrigerant piping design as part of Submittal package
8 Provide Master VRF control panel
9 All units shall be furnished with small integral condensate pump
10 Extend Condensate piping to indirect waste connection
11 All units shall have programmable 7-day 24-hour thermostats. Common area units shall have lockable tamperproof covers. All shall have large easy to read touch screens.
12 Contractor shall provide (1) set of construction filters, (1) set of filters to be installed at turnover, and (1) spare set of filters for each unit.
13 Equivalents allowed only if pre-approved by the engineer and owner prior to bids due date and meets all performance, dimensional, and efficiency requirements
14 Provide Basic unit Control Panel. Interlock with VRF Master Controller
15 Provide Blue Diamond MaxiBlue Condensate Pump with Resevoir & Sensor - 208/230V. Powered from AHU control board.
16 CONDENSATE PIPING-FURNISH AND INSTALL CONDENSATE PUMP, 120V/1PH. 6 FT. POWER CORD. IMPACT RESISTANT INTEGRAL CHECK VALVE. STAINLESS STEEL MOTOR/PUMP SHAFT. 25GPH. 15 FTHD. 1/30 HP. LITTLE GIANT "VCMA" SERIES OR EQUIVALENT. PUMP SHALL BE HARDWIRED FOR ABOVE

VRF OUTDOOR UNIT SCHEDULE (HP)

Tag Reference	Associated System	Model	Type	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Design Entering Temp	Heating Design Entering Temp	Corrected Capacity: SYSTEM CONNECTED CAPACITY %	Corrected Capacity: Cooling Total Capacity	Corrected Capacity: Heating Capacity (BTU/h)	IEER/EER	HEATING COP @47F	Voltage / Phase	MCA	MOCP	Notes / Options
HP-1	AHU-1.1 - AHU-1.10	MITSUBISHI TURYH0723AMM0AN	SCROLL INVERTER - HEAT RECOVERY	72,000	80,000	95F	8F	102%	73,831.46	73,831.46	22.3/14.2	4.01	208/3	51	80	1,2,3,4,5,6,7,8,9

Notes & Options:

1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
3 Efficiency values for EER, IEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units.
4 Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout.
5 Factory representatives shall review the project prior to and throughout the installation of CITY MULTI equipment
6 Factory representatives shall startup and commission CITY MULTI equipment upon completion of equipment installations
7 Factory representatives shall provide end-user training on the CITY MULTI equipment upon completion of the installation of equipment
8 Provide 12" Super Stand Kit
9 EQUIPMENT EFFICIENCY MUST BE EQUAL OR BETTER TO QUALIFY FOR PECO REBATE PROGRAM.

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER (BC)

TAG	BASIS OF DESIGN	MODEL	TYPE (SINGLE / MAIN / SUB)	NUMBER OF PORTS	CONNECTED CAPACITY TO BC	VOLTAGE / PHASE	POWER COOLING 208V (kW/h)	POWER HEATING 208V (kW/h)	MCA
BCU-1	MITSUBISHI	CMB-M1012NU-MA-SV	MAIN	12	82,000.0	208/1	0.02	0.01	0.13

COMMENTS:

BID DOCUMENTS AUGUST 21, 2026

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AMC Jr.
ALBERT M. COMLY JR.
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SEAL

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DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

DETAILS & SCHEDULES - MECHANICAL

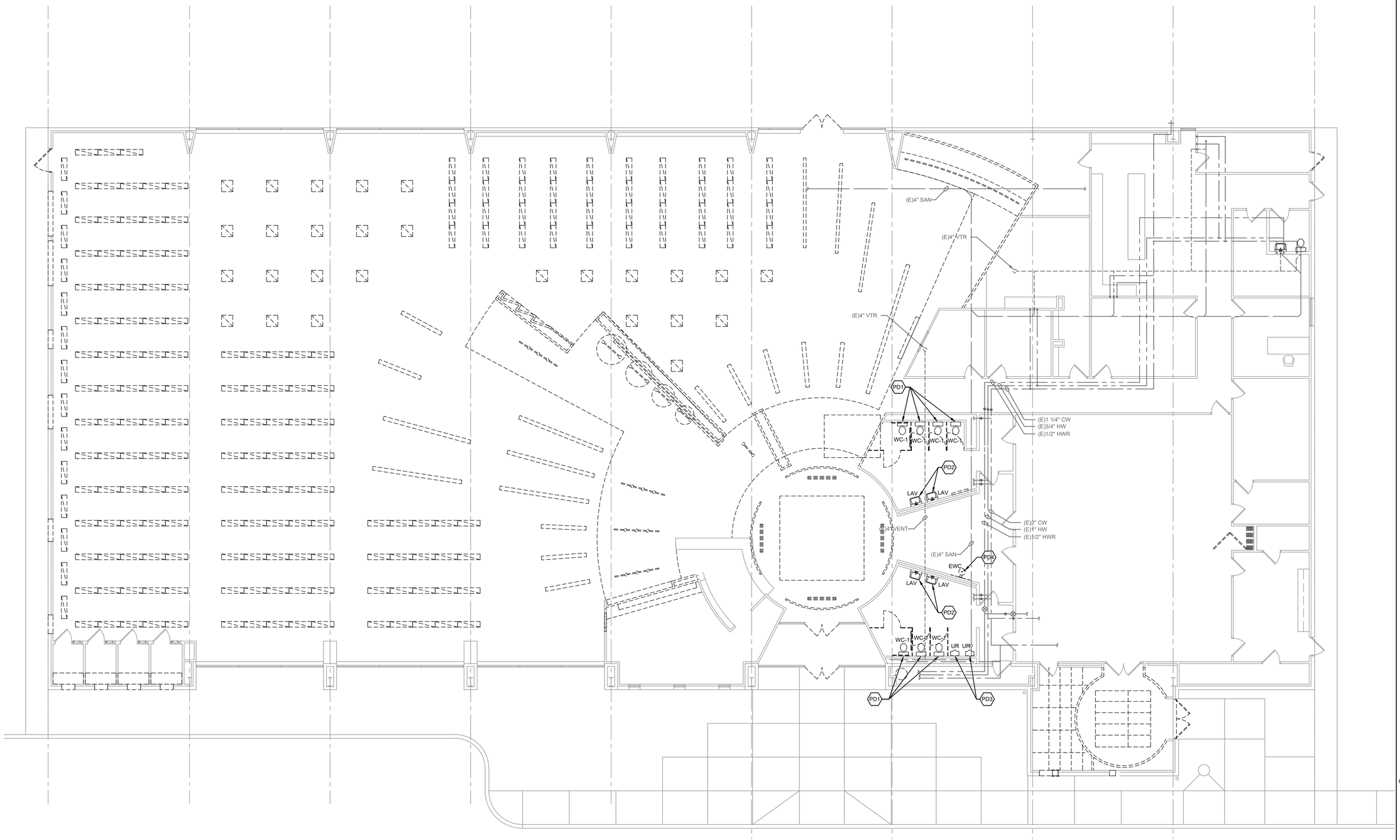
SCALE: AS NOTED
DRAWN: JW/AOJV
CHECKED:
APPROVED:
DATE: AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

M-203



FLOOR PLAN - DEMOLITION

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

N

PLUMBING DEMOLITION KEYNOTES:

PD1 THE CONTRACTOR SHALL DEMOLISH EXISTING WATER CLOSET, FLUSH VALVE, AND CAP PIPING FOR FUTURE CONNECTION.

PD2 THE CONTRACTOR SHALL DEMOLISH EXISTING LAVATORY, FAUCET, SUPPLY HOSES, STOPS, TRAP, AND CAP PIPING FOR FUTURE CONNECTION.

PD3 THE CONTRACTOR SHALL DEMOLISH EXISTING URINAL, FLUSH VALVE, AND CAP PIPING FOR FUTURE CONNECTION.

PD4 THE CONTRACTOR SHALL DEMOLISH EXISTING WATER COOLER, TRAP, AND CAP PIPING FOR FUTURE CONNECTION.

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WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

FIRST FLOOR PLAN
DEMOLITION-
PLUMBING

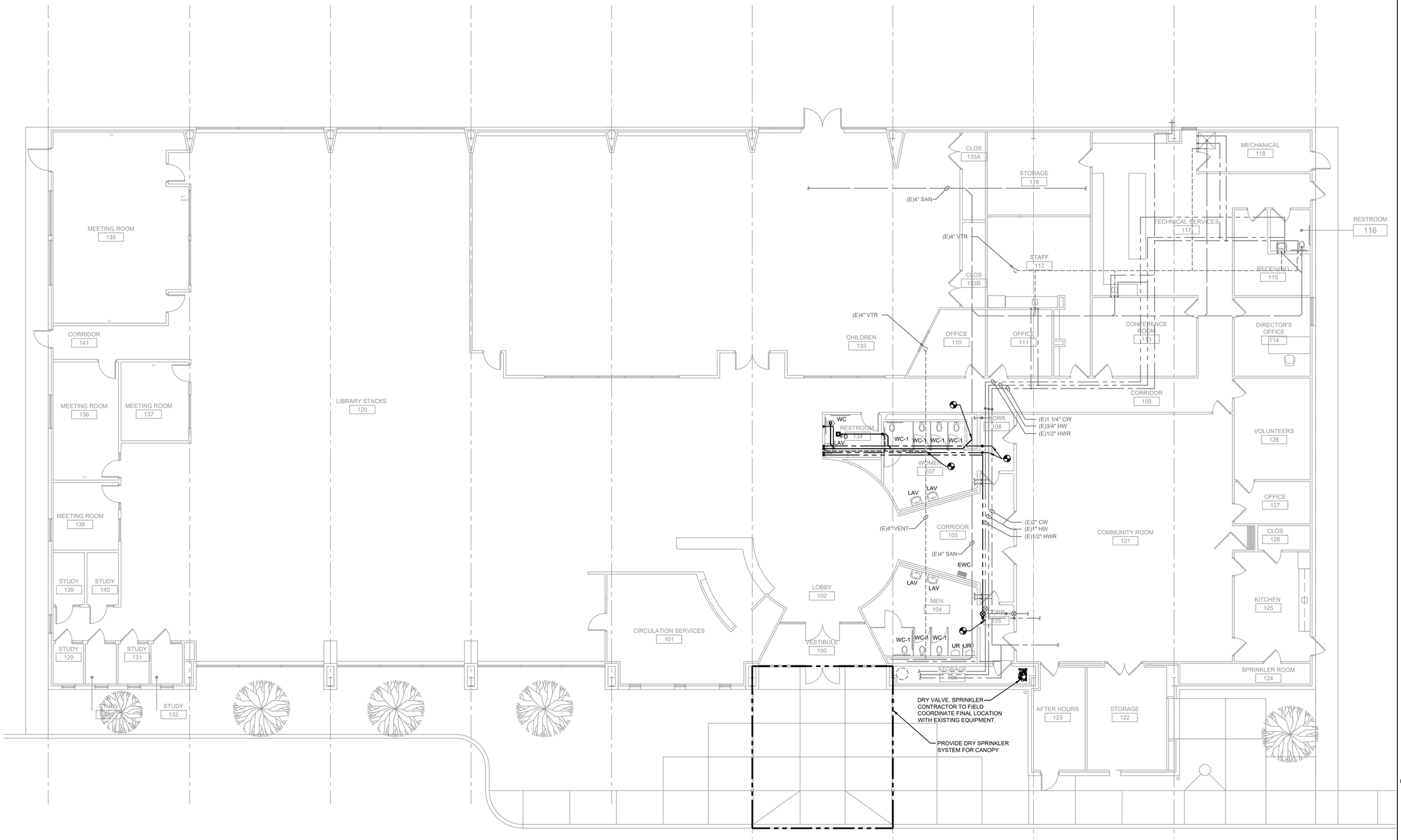
SCALE	AS NOTED
DRAWN	JW/AO/JV
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

DP-101



FLOOR PLAN

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

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DRAWING TITLE

FIRST FLOOR PLAN
PLUMBING

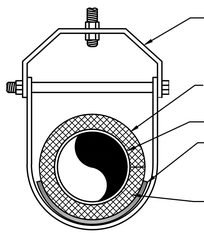
SCALE	AS NOTED
DRAWN	JW/AQ/JV
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

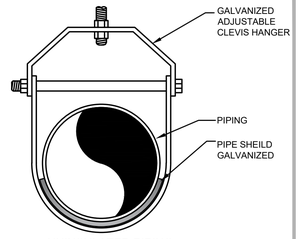
DRAWING #

P-101



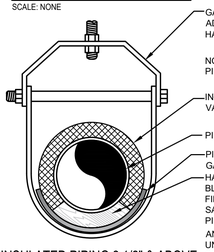
INSULATED PIPING 2" & BELOW

SCALE: NONE



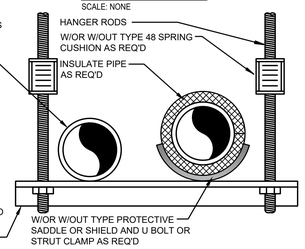
UNINSULATED PIPING

SCALE: NONE



INSULATED PIPING 2 1/2" & ABOVE

SCALE: NONE



TRAPEZE TYPE PIPE SUPPORT

SCALE: NONE

NOTES:
1. USE TRAPEZE PIPE SUPPORT FOR 3 OR MORE PARALLEL PIPES.
2. SIZE RODS, SPRING CUSHION, AND HORIZONTAL MEMBER APPROVED TO SATISFY LOAD REQUIREMENT WITH SAFETY FACTOR OF 5.
3. REFER TO SPECIFICATIONS FOR CLAMP SPACING.
4. REFER TO SPECIFICATIONS FOR INSULATION REQUIREMENTS.
5. PROVIDE 9 FOOT 23 GAUGE GALVANIZED STEEL PIPE SUPPORTS FOR ALL PEX MAINS.
6. PROVIDE COPPER CLEVIS HANGER AND PIPE SHIELD ON ALL BARE COPPER PIPING.

PIPE HANGER DETAILS

SCALE: NONE

1

PLUMBING FIXTURE SCHEDULE

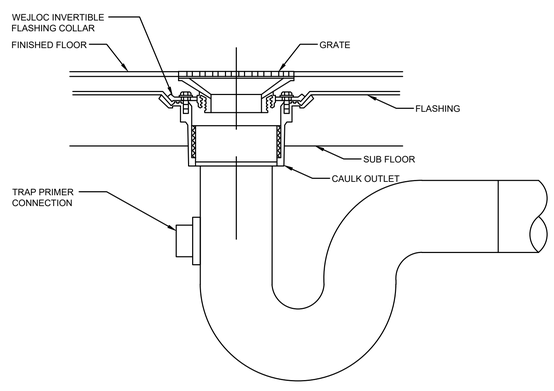
1. ALL FIXTURES AND TRIM TO BE LEAD FREE.
2. ALL HANDICAP FIXTURES TO BE INSTALLED ADA COMPLIANT WITH OFFSET WASTE WHERE REQUIRED AND INCLUDING UNDERFIXTURE PROTECTIVE KIT.
3. REFER TO SPECIFICATION FOR ADDITIONAL FIXTURE REQUIREMENTS AND ALTERNATE MFR'S.
4. ALL TRIM TO BE CHROME PLATED CAST BRASS.
5. LAVATORIES IN PUBLIC TOILETS TO BE FURNISHED WITH GRID STRAINERS. FIXTURES IN PRIVATE TOILETS AND LOCKER ROOMS SHALL BE FURNISHED WITH POP-UP DRAINS.
6. TRAPS FOR LAV./SINKS SHALL BE SEMI-CAST BRASS/17 GAUGE WASTE 1 1/4"x1 1/2" OR 1 1/2" DEPENDING ON FIXTURE OUTLET.
7. ALL FIXTURES TO BE FURNISHED WITH INDIVIDUAL FIXTURE STOP VALVES. IN PUBLIC AREAS VALVES SHALL BE LOOSE KEY TYPE.
8. ALL WALL HUNG FIXTURES TO BE PROVIDED WITH SUITABLE FLOOR MOUNTED SUPPORTS.
9. WALL HUNG WATER CLOSETS SHALL BE PROVIDED WITH COMBINATION CARRIER WITH HORIZONTAL OR VERTICAL FITTING TO SUIT PIPING ARRANGEMENT.
10. VENTS NOTED ARE FOR INDIVIDUAL FIXTURE VENTS ONLY.
11. WATER CLOSETS LOCATED IN PUBLIC AREAS SHALL BE PROVIDED WITH OPEN FRONT SEATS.
12. COORDINATE WITH ARCHITECT FOR BLOCKING REQUIREMENTS.
13. PROVIDE ASSE 1070 MIXING VALVE AT ALL PUBLIC LAVATORIES AND HAND SINKS.
14. PROVIDE RIGHT HAND FLUSH WHEN LEFT HAND FLUSH WOULD BE ON WALL SIDE IN ADA BATHROOMS.

SYMBOL	DESCRIPTION	BASIS OF DESIGN (APPROVED MFR.'S ARE LISTED IN SPECIFICATIONS)					COLOR/ FINISH	FLOW (GPF)	MAP	ROUGH IN				FIXTURE UNITS			NOTES
		MANUFACTURER	MODEL NO.	FAUCET OR FLUSH VALVE	CARRIER OR SUPPORT	SENSOR OPERATED				CW	HW	SAN	SWV	CW	HW	DFU	
LAV/ LAV HC	LAVATORY HANDICAPPED	KOHLER	PINOIR K-2035-4	SLOAN SF2350-BDT	WALL MOUNTED	BATTERY	WHITE	0.5 GPM	-	1/2"	1/2"	1 1/4"	1 1/4"	-	-	-	VITREOUS CHINA, ADA COMPLIANT, BELOW DECK THERMOSTATIC MIXING VALVE, POLISHED CHROME FINISH, MULTI-LAMINAR SPRAY, INFARED SENSOR.
FD	FLOOR DRAIN	J.R. SMITH	2010	-	FLOOR MOUNTED	-	-	-	-	-	-	2",3",4"	2"	-	-	-	PROVIDE TRAP PRIMER, REFER TO SPEC SECTION 22 13 00 FOR MORE INFORMATION.
UR/ UR HC	URINAL HANDICAPPED	KOHLER	BARDON K-4991-ET	SLOAN ROYAL 180 ESS	WALL MOUNTED	HARD WIRED	WHITE	1.0 GPF	-	3/4"	-	2"	2"	-	-	-	VITREOUS CHINA, LOW CONSUMPTION, FLUSHING RIM, INTEGRAL STRAINER, WASHOUT FLUSH ACTION, ADA COMPLIANT (REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT).
WC	WATER CLOSET	KOHLER	HIGHCLIFF ULTRA K-96057-SS	SLOAN ROYAL 111 ESS	FLOOR MOUNTED	HARD WIRED	WHITE	1.28	-	1"	-	4"	2"	-	-	-	VITREOUS CHINA, ELONGATED BOWL, ADA & CSA COMPLIANT, WATERSENSE LABELED, ANTIMICROBIAL FINISH.
WC-1	WATER CLOSET HANDICAPPED	KOHLER	KINGSTON K-4325	SLOAN ROYAL 111 ESS	WALL MOUNTED	HARD WIRED	WHITE	1.28	-	1"	-	4"	2"	-	-	-	VITREOUS CHINA, ELONGATED BOWL, ADA COMPLIANT (REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT), PROVIDE CARRIER AND TOILET SEAT.
EWC	ELECTRIC WATER COOLER	ELKAY	LZ8WSSPRO	-	WALL MOUNTED	-	STAINLESS STEEL	8 GPH	-	1/2"	-	1 1/4"	1 1/4"	-	-	-	ANTIMICROBIAL, FLEXIGUARD SAFETY BUBBLER, 115 V, 60 HZ, 5A, 15 RATED WATTS, ADA COMPLIANT.

PLUMBING SYMBOLS AND ABBREVIATIONS

- DEMOLISH PIPE
- DOM. COLD WATER
- DOM. HOT WATER
- DOM. HOT WATER RETURN
- SOIL, WASTE
- VENT
- F — SPRINKLER SERVICE
- CONTINUATION / BREAK
- INLINE PUMP
- THERMOMETER
- PIPE DOWN
- PIPE UP
- RELIEF VALVE
- CHECK VALVE
- STRAINER W/ BLOW OFF VALVE
- BALANCING VALVE
- UNION
- PIPE REDUCER
- PIPE INCREASER
- PIPE FLEXIBLE CONNECTION
- GATE VALVE
- BALL VALVE
- WH — WALL HYDRANT
- HB — HOSE BIBB

FD	FLOOR DRAIN
(N)	NEW
(E)	EXISTING
(ED)	EXISTING TO BE DEMOLISHED
	NEW CONNECTION TO EXISTING
Ex	EXISTING TO REMAIN
R	DISCONNECT AND REMOVE
(ER)	EXISTING TO BE RELOCATED
(R)	REMOVE EXISTING
(RE)	RELOCATED EXISTING
VTR	VENT THRU ROOF
CO	CLEAN OUT
DWR	DOMESTIC WATER RISERS
EWH	ELECT. WATER HEATER
FU	FIXTURE UNIT
S & VST	SOIL & VENT STACK
W & VST	WASTE & VENT STACK
I.E.	INVERT ELEVATION
SF	SQUARE FEET
SA	SHOCK ABSORBER/WATER HAMMER ARRESTOR

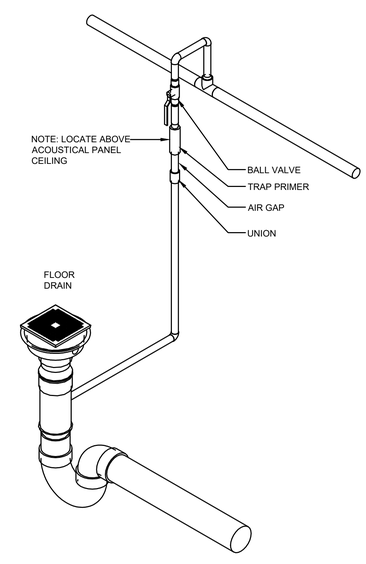


FLOOR DRAIN DETAIL

SCALE: NONE

NOTE:

1. CONTRACTOR TO PROVIDE TRAP PRIMER. REFER TO TRAP PRIMER DETAIL FOR MORE INFORMATION.



TRAP PRIMER DETAIL (TP-1)

SCALE: NONE

BID DOCUMENTS AUGUST 21, 2026

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DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

DETAILS & SCHEDULES - PLUMBING

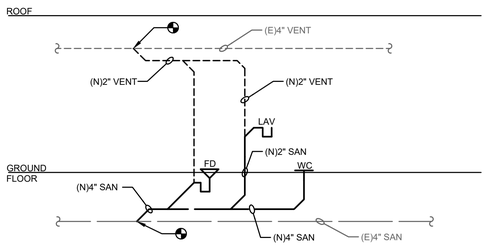
SCALE	AS NOTED
DRAWN	JW/AO/JV
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

P-201



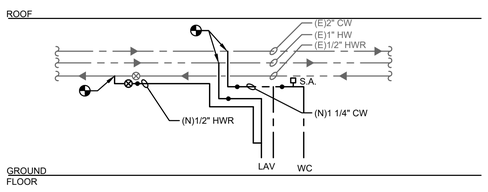
SANITARY RISER DIAGRAM

SCALE: NONE

SANITARY RISER DIAGRAM NOTES

1. PROVIDE A TRAP PRIMER AT EVERY FLOOR DRAIN.
2. PIPING SHALL BE SLOPED AT AN 1/8" PER LNFT FOR 3" PIPE AND ABOVE.
3. PIPING SHALL BE SLOPED AT A 1/4" PER LNFT FOR 2-1/2" PIPE OR SMALLER UNLESS OTHERWISE NOTED.
4. PROVIDE A CLEAN OUT AT THE BASE OF EVERY STACK, AT THE END OF THE RUN, AT EVERY CHANGE IN DIRECTION AND 50'-0" ON CENTER FOR STRAIGHT LENGTHS.
5. REFER TO PLUMBING FIXTURE SCHEDULE FOR FIXTURE BRANCH PIPE SIZING.
6. ALL UNDERGROUND SANITARY PIPING SHALL BE 2" MINIMUM PIPE SIZE.
7. ALL SANITARY PIPING EXITING THE BUILDING SHALL BE BELOW THE FROST LINE (TYPICALLY 3'-0").
8. RISER DIAGRAM IS DIAGRAMMATIC. CONTRACTOR TO PROVIDE LONG TURN 90° FITTINGS FROM VERTICAL TO HORIZONTAL CHANGES IN DIRECTION. WENT VENT SECTIONS ARE TO BE 2 PIPE SIZES LARGER. DRY VENTS TO BE ROLLED ABOVE DRAIN CENTER, REFER TO DETAIL. ALL FITTINGS TO BE CODE COMPLIANT.

1



SANITARY RISER DIAGRAM

SCALE: NONE

DOMESTIC WATER RISER DIAGRAM NOTES

1. PROVIDE A TRAP PRIMER AT EVERY FLOOR DRAIN.
2. PROVIDE A SHUT OFF VALVE AT EACH PIECE OF EQUIPMENT.
3. PROVIDE A CHECK VALVE AND BALANCING VALVE AT EVERY DOMESTIC HOT WATER RETURN BRANCH / LOOP. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE A CERTIFIED BALANCING REPORT ON EACH HOT WATER RETURN SYSTEM.
4. REFER TO PLUMBING FIXTURE SCHEDULE FOR FIXTURE BRANCH PIPE SIZING.
5. PROVIDE ASSE 1070 MIXING VALVE AT ALL PUBLIC LAVATORIES AND HAND SINKS.
6. THE CONTRACTOR SHALL PROVIDE BALANCING VALVES ON ALL BRANCHES OF THE DOMESTIC HOT WATER RETURN SYSTEM, BALANCE THE SYSTEM, AND PROVIDE BALANCING REPORT TO THE OWNER/ENGINEER FOR RECORD. ALL HOT WATER BALANCING VALVES SHALL BE SET TO 1 GPM UNLESS OTHERWISE NOTED.
6. PROVIDE SHUT OFF VALVES CLOSE TO MAINS ON EACH BRANCH AND RISER SERVING PLUMBING FIXTURES, CASEWORK OR EQUIPMENT. PROVIDE SHUT OFF VALVES ON EACH WATER SUPPLY TO PLUMBING FIXTURES THAT DO NOT HAVE SUPPLY STOPS. PROVIDE ACCESS PANELS FOR ALL VALVES.
7. PROVIDE WATER HAMMER ARRESTORS IN CONFORMANCE WITH PDI AND LOCAL ORDINANCES AT FLUSH VALVES, LAUNDRY WASHING MACHINES(COMMERCIAL AND RESIDENTIAL), SOLENOIDS, FAST CLOSING VALVES, ETC.

PLUMBING SPECIFICATIONS:

1. ALL WORK IS TO BE IN CONFORMANCE WITH INTERNATIONAL PLUMBING CODE, CITY OF PHILADELPHIA PLUMBING CODE, NATIONAL STANDARD PLUMBING CODE, AND/ OR LOCAL CODE HAVING JURISDICTION. NOT ALL CODE REQUIREMENTS HAVE BEEN DESCRIBED IN THIS SPECIFICATION OR INDICATED ON THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH THE CODES AND INSTALL THE WORK IN ACCORDANCE WITH CODES.
2. UNDERGROUND SANITARY AND STORM DRAINAGE PIPING AND FITTINGS TO BE SCHEDULE 40 SOLID WALL PVC IF ACCEPTABLE BY CURRENT CODE, LOCAL INSPECTOR AND OWNER. ABOVE GROUND VENT PIPING TO BE SCHEDULE 40 PVC. NO PVC PIPING IS PERMITTED IN RETURN AIR PLENUMS.
3. ABOVE GROUND SANITARY AND STORM DRAINAGE PIPING AND FITTINGS ARE TO BE SCHEDULE 40, SOLID WALL PVC WITH SOLVENT-WELDED FITTINGS.
4. UNDERGROUND DOMESTIC WATER IS TO BE TYPE K COPPER WITH NO JOINTS, OR FITTINGS.
5. ABOVE GROUND DOMESTIC WATER IS TO BE TYPE L COPPER WITH 95/ 5 TIN ANTIMONY JOINTS/ WROUGHT COPPER FITTINGS.
6. OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS.
7. INSULATE COLD WATER WITH 1/2" FIBERGLASS WITH ASJ. PROVIDE VAPOR BARRIER ON COLD SURFACES. ALL DOMESTIC HOT WATER AND HOT WATER RETURN PIPING IS TO BE INSULATED WITH 1" FIBERGLASS INSULATION WITH ASJ ON PIPING 1-1/2" AND BELOW
8. CONNECT ALL FIXTURES INDICATED WITH WATER AND DRAINAGE SERVICES. PROVIDE STOPS ON ALL WATER CONNECTIONS.
9. PROVIDE SHOCK ARRESTORS IN ACCORDANCE WITH P.D.I. STANDARDS FOR ALL FLUSH VALVES AND SOLENOID OPERATED EQUIPMENT, J.R. SMITH SERIES 5000, OR EQUAL BY JOSAM, ZURN, WADE.
10. PROVIDE SHOP DRAWINGS FOR ALL FIXTURES, TRIM, DRAINS, PIPING, AND SPECIALTIES.
11. CLEANOUTS: J.R. SMITH 4020 CAST IRON WITH GASKET SEAL PLUG, AND POLISHED BRONZE TOP IN FLOORS, AND 4430/4431 IN WALLS.
12. ALL TRIM, TRAPS, ESCUTCHEON PLATES, SEAT HINGES AND ANY MISCELLANEOUS PARTS OF FIXTURES ARE TO BE CHROME-PLATED BRASS.
13. VENTS THROUGH ROOF ARE TO BE FLASHED WITH "SURE SEAL" PRE-MOLDED OR SIMILAR TYPE BOOT AS RECOMMENDED BY THE ROOFING CONTRACTOR.
14. PIPING IS TO BE SUPPORTED 6'-0" ON CENTER UP TO 2"Ø AND 8'-0" ON CENTERS OVER 2"Ø. ALL PIPING IS TO BE SUPPORTED ON ADJUSTABLE, CLEVIS-TYPE HANGERS AND GALVANIZED PIPE SHIELDS. PIPING SUPPORTS ARE TO BE SPACED PER PIPING MANUFACTURER'S/ SUPPORT MANUFACTURER'S REQUIREMENTS. PIPING INSULATION IS TO BE CONTINUOUS AND SEALED AT THE JOINTS PER THE MANUFACTURER'S REQUIREMENTS AND IS TO NOT BE BROKEN AT THE HANGERS, OR FITTINGS. PIPE SHIELD IS TO BE INSTALLED BETWEEN THE PIPING INSULATION AND HANGERS. NO PIPING IS TO BE INSTALLED OVER ELECTRICAL SWITCHGEAR, ELECTRICAL PANELS, OR SUBSTATIONS. CONTRACTOR IS TO PROVIDE PIPING FLOW DIRECTION IDENTIFICATIONS (STENCIL OR SNAP-ON LABELS), AT 25'-0" INTERVALS. PROVIDE VALVE TAGS (METAL TAG CHAINED TO VALVE WITH VALVE NUMBER) AND PIPING DIAGRAMS WITH VALVE LOCATIONS AND VALVE TAG NUMBERS IDENTIFIED.
15. ALL WORK IS TO BE CONCEALED UNLESS OTHERWISE INDICATED.
16. PROVIDE A TEMPERATURE LIMITING DEVICE TO MEET THE REQUIREMENTS OF ASSE-1070 FOR ALL PUBLIC SINKS.
17. ALL NEW DOMESTIC WATER PIPING IS TO BE DISINFECTED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE. SUBMIT REPORT(S) FOR RECORD.
18. PROVIDE AS-BUILT DRAWINGS AT COMPLETION OF WORK. SUBMIT TO OWNER AND ENGINEER FOR REVIEW AND APPROVAL.
19. IF THE CONTRACTOR ELECTS TO SUBMIT ALTERNATE EQUIPMENT, MANUFACTURERS, SYSTEMS, METHODS, OR MATERIALS, NOT SPECIALLY IDENTIFIED IN THE DRAWINGS AND SPECIFICATIONS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE WORK WITH OTHER TRADES AND PAY FOR ANY ADDITIONAL COSTS ASSOCIATED WITH THE SUBSTITUTION, OR CHANGE.
20. PROPERLY INSTRUCT OWNERS PERSONNEL IN THE OPERATION AND MAINTENANCE OF ALL SYSTEMS AND EQUIPMENT. PROVIDE THREE INSTRUCTION, AND MAINTENANCE MANUALS. SUBMIT MANUALS FOR REVIEW PRIOR TO OPERATING INSTRUCTION PERIOD.
26. COORDINATE LOCATIONS AND ROUGH-IN REQUIREMENTS WITH OTHER TRADES PRIOR TO INSTALLATION.
27. COORDINATE ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR PRIOR TO PURCHASING EQUIPMENT. VERIFY VOLTAGES, AND AMPERAGES FOR OVERCURRENT PROTECTION DEVICES, AND EQUIPMENT FEEDER WIRING METHODS.
28. ALL FINISHES RELATED TO PLUMBING EQUIPMENT, PLUMBING FIXTURES, ACCESS PANELS, ETC. ARE TO BE COORDINATED, AND SELECTED BY THE ARCHITECT/ OWNER/ ENGINEER PRIOR TO SHOP DRAWING SUBMISSION, ORDERING, AND INSTALLATION.
29. FINAL LOCATIONS OF ALL ACCESS PANELS, VALVES, ETC. IN FINISHED SPACES ARE TO BE COORDINATED AND APPROVED BY THE ARCHITECT/ OWNER PRIOR TO ROUGH-IN AND INSTALLATION.
30. CONTRACTOR TO PROVIDE MANUFACTURER'S START-UP OF ALL PUMPS AND DOMESTIC BOOSTER PUMPING SYSTEMS.
31. NO PVC PIPING IS PERMITTED IN PLENUMS.
32. THE CONTRACTOR IS TO SURVEY AND VERIFY ALL EXISTING CONDITIONS PRIOR TO BID SUBMISSION AND BECOME AWARE OF ALL CONDITIONS WHICH MAY IMPACT THE REQUIRED WORK. CONTRACTOR IS TO INCLUDE ALL ASSOCIATED COSTS (MATERIALS/ LABOR) DETERMINED TO BE REQUIRED DURING SITE INSPECTIONS. CONTRACTOR'S BID SUBMISSION IS TO BE CONSIDERED PROOF THAT THIS REQUIREMENT HAS BEEN MET.
33. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE TAKEN AS A WHOLE. IF A CONFLICT OR CONTRADICTION EXISTS BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE MORE STRINGENT SHALL APPLY. THE ARCHITECT'S AND ENGINEER'S INTERPRETATION OF THE DOCUMENTS ARE BE BINDING UPON THE CONTRACTOR.
34. ALL EXTERIOR WALL/ ROOF PENETRATIONS ARE TO BE SEALED AIR/ WATER TIGHT. ALL PIPING PASSING THROUGH WALL OR FLOOR PENETRATIONS IS TO HAVE SLEEVES. ALL WALL OR FLOOR RATED PENETRATIONS ARE TO BE SEALED WITH FIRE-ATED SEALANT FORMED IN PLACE BY 3M OR HILTI.
35. PROVIDE ACCESS DOORS FOR ALL VALVES, DAMPERS, DEVICES, CONTROLLERS, ETC. REQUIRING SERVICE AND ACCESS. ACCESS PANELS ARE TO BE 16 GAUGE STEEL FRAME, 20 GAUGE HINGED DOOR, LOCKABLE AND FIRE RATED (WHEN IN RATED WALLS, FLOORS, "B" LABEL, 1-1/2 HOURS). FINISH AS SELECTED BY THE ARCHITECT.
36. ALL WORK IS TO BE COORDINATED AND APPROVED BY THE OWNER PRIOR TO SHUT-DOWN. ALL REQUESTS ARE TO BE IN WRITING, AND SUBMITTED TO THE OWNER 24, TO 48 HOURS PRIOR TO REQUESTED DELETIONS.
37. TO AID IN THE PREPARATION OF AS-BUILT DRAWINGS, THE ENGINEER CAN PROVIDE THE ELECTRONIC FILES FOR USE BY THE CONTRACTOR. THE ELECTRONIC FILES WILL BE PROVIDED UPON EXECUTION OF THE ENGINEER'S ELECTRONIC FILE RELEASE CONTRACT PREPARED SPECIFICALLY FOR THIS PROJECT. THE ELECTRONIC FILES WILL BE RELEASED IN THE FORMAT USED BY THE ARCHITECT AND ENGINEER TO DESIGN THE PROJECT. IF THIS FILE FORMAT IS NOT COMPATIBLE WITH THE CONTRACTOR'S NEEDS, ADDITIONAL CHARGES FOR PROVIDING THE CHANGES TO THE REQUESTED FILE FORMAT MAY BE NECESSARY AT $150/HR BILLABLE TO THE CONTRACTOR.
38. TO AID IN THE PREPARATION OF SUBMITTALS OR SHOP DRAWINGS, THE ENGINEER CAN PROVIDE THE ELECTRONIC FILES FOR USE BY THE CONTRACTOR. THE ELECTRONIC FILES WILL BE PROVIDED UPON EXECUTION OF THE ENGINEER'S ELECTRONIC FILE RELEASE CONTRACT PREPARED SPECIFICALLY FOR THIS PROJECT. THE ELECTRONIC FILES WILL BE RELEASED IN THE FORMAT USED BY THE ARCHITECT AND ENGINEER TO DESIGN THE PROJECT. IF THIS FILE FORMAT IS NOT COMPATIBLE WITH THE CONTRACTOR'S NEEDS, ADDITIONAL CHARGES FOR PROVIDING THE CHANGES TO THE REQUESTED FILE FORMAT MAY BE NECESSARY AT $150/HR BILLABLE TO THE CONTRACTOR.

SPRINKLER SYSTEM SPECIFICATIONS:

1. REFER TO APPLICABLE CODES INCLUDING LATEST ADOPTED EDITIONS OF THE NFPA CODES, PARTICULARLY PAMPHLET 13.
2. REFER TO INTERNATIONAL CODES FOR ADDITIONAL REQUIREMENTS.
3. PROVIDE ALL LABOR MATERIAL, EQUIPMENT AND SUPERVISION REQUIRED TO INSTALL A COMPLETE, APPROVED, AND FUNCTIONING FIRE PROTECTION SYSTEM AS DESCRIBED HEREIN. ALL WORK REQUIRED TO OBTAIN APPROVAL IS INCLUDED WITHIN THE SCOPE OF WORK.
4. EXTEND THE EXISTING SYSTEM AS REQUIRED, AND PROVIDE A WET PIPE SPRINKLER SYSTEM THROUGHOUT THE RENOVATED AREA. PROVIDE DRY PIPE SYSTEM(S) IN AREAS SUBJECT TO FREEZING.
5. PROVIDE DETAILED SHOP DRAWINGS OF THE ENTIRE SPRINKLER SYSTEM AND STANDPIPE SYSTEM INDICATING ALL COMPONENTS, DIMENSIONS, CLEARANCES, AND COVERAGE AREAS. THE SUBMISSION IS TO BEAR THE REVIEW APPROVAL SIGNATURE OF THE AUTHORITY OF HAVING JURISDICTION.
6. PROVIDE MANUFACTURE'S CATALOG DATA, AND PERFORMANCE DATA OF ALL EQUIPMENT AND DEVICES UTILIZED ON THE PROJECT.
7. SUBMIT HYDRAULIC DESIGN DATA IF UTILIZED FOR PIPE SIZING.
8. THE CONTRACTOR IS TO BE FULLY LICENSED AND ACCREDITED IN THE INSTALLATION FOR A MINIMUM OF FIVE YEARS AND IS TO BE REGULARLY ENGAGED IN THIS TRADE.
9. SPRINKLER HEADS ARE TO BE ARRANGED FOR LIGHT HAZARD COVERAGE. HEADS ARE TO BE STANDARD, BRASS, UPRIGHT IN AREAS WITHOUT FINISHED CEILINGS, AND CHROME-PLATED RECESSED, PENDANT-TYPE IN AREAS WITH FINISHED CEILINGS. HEADS ARE TO BE VIKING CORP. GLOBE, TYCO FIRE PRODUCTS, GRINNELL, ASCOA, OR APPROVED SUBSTITUTE. PROVIDE PROTECTION ABOVE SUSPENDED CEILINGS WHERE REQUIRED.
10. INSTALL HEADS AFTER COORDINATION WITH OTHER TRADES, PAYING PARTICULAR ATTENTION TO LIGHTING FIXTURES, PIPING, AND DUCTWORK. INSTALL PIPE SLEEVES WHERE PIPING PASSES THROUGH WALLS AND FLOORS. PROVIDE CAST ESCUTCHEON PLATES AT PENETRATIONS.
11. ALL PIPING IS TO BE GRADED TO DRAINAGE POINTS IN ACCORDANCE WITH UNDERWRITER'S REQUIREMENTS.
12. THE COMPLETED SYSTEM IS TO BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA PAMPHLET
13. SPRINKLER HEADS THAT ARE INSTALLED IN A SUSPENDED CEILING ARE TO BE CENTERED IN THE CEILING TILE.
14. PROVIDE A MINIMUM OF 15 PSI TO THE MOST REMOTE SPRINKLER HEAD.
15. A MINIMUM OF 10 PSI RESIDUAL PRESSURE IS TO REMAIN IN THE SYSTEM.
16. THE CONTRACTOR IS TO REMOVE ALL EXISTING UPRIGHT HEADS, AND REPLACE WITH PENDANT-TYPE. EXTEND, OR RAISE EXISTING BRANCH SPRINKLER PIPING, AND PROVIDE ADDITIONAL HEADS WHERE REQUIRED. COORDINATE ALL WORK WITH OTHER TRADES.
17. TO AID IN THE PREPARATION OF AS-BUILT DRAWINGS, THE ENGINEER CAN PROVIDE THE ELECTRONIC FILES FOR USE BY THE CONTRACTOR. THE ELECTRONIC FILES WILL BE PROVIDED UPON EXECUTION OF THE ENGINEER'S ELECTRONIC FILE RELEASE CONTRACT PREPARED SPECIFICALLY FOR THIS PROJECT. THE ELECTRONIC FILES WILL BE RELEASED IN THE FORMAT USED BY THE ARCHITECT AND ENGINEER TO DESIGN THE PROJECT. IF THIS FILE FORMAT IS NOT COMPATIBLE WITH THE CONTRACTOR'S NEEDS, ADDITIONAL CHARGES FOR PROVIDING THE CHANGES TO THE REQUESTED FILE FORMAT MAY BE NECESSARY AT $150/HR BILLABLE TO THE CONTRACTOR.
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BID DOCUMENTS AUGUST 21, 2026

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NOTICE

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PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

DETAILS & SCHEDULES - PLUMBING

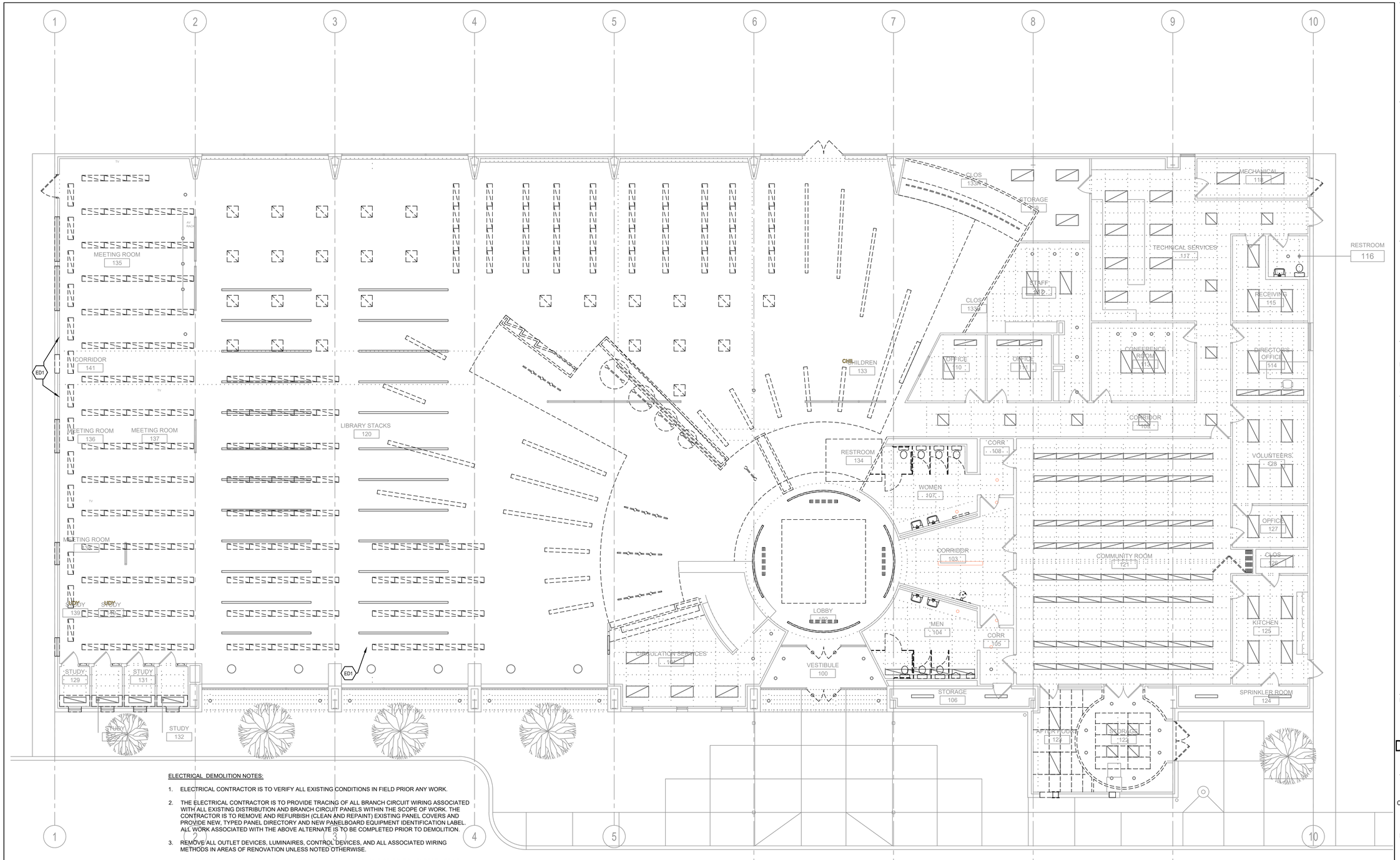
SCALE	AS NOTED
DRAWN	JW/AOJV
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

P-202



ELECTRICAL DEMOLITION NOTES:

1. ELECTRICAL CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS IN FIELD PRIOR ANY WORK.
2. THE ELECTRICAL CONTRACTOR IS TO PROVIDE TRACING OF ALL BRANCH CIRCUIT WIRING ASSOCIATED WITH ALL EXISTING DISTRIBUTION AND BRANCH CIRCUIT PANELS WITHIN THE SCOPE OF WORK. THE CONTRACTOR IS TO REMOVE AND REFURBISH (CLEAN AND REPAINT) EXISTING PANEL COVERS AND PROVIDE NEW, TYPED PANEL DIRECTORY AND NEW PANELBOARD EQUIPMENT IDENTIFICATION LABEL. ALL WORK ASSOCIATED WITH THE ABOVE ALTERNATE IS TO BE COMPLETED PRIOR TO DEMOLITION.
3. REMOVE ALL OUTLET DEVICES, LUMINAIRES, CONTROL DEVICES, AND ALL ASSOCIATED WIRING METHODS IN AREAS OF RENOVATION UNLESS NOTED OTHERWISE.
4. REMOVE BRANCH CIRCUIT WIRING METHODS BACK TO POWER SOURCE OR TO ITS NEAREST ACTIVE DEVICE. RE-ENERGIZE ALL CIRCUITS INTERRUPTED BY DEMOLITION WORK TO MAINTAIN BRANCH CIRCUIT CONTINUITY.
5. TAG ALL OVERCURRENT PROTECTION DEVICES THAT BECOME "SPARE" AS A RESULT OF DEMOLITION WORK. PROVIDE NEW, TYPED PANELBOARD DIRECTORIES FOR ALL DISTRIBUTION AND BRANCH CIRCUIT EQUIPMENT AFFECTED BY RENOVATION WORK.
6. REMOVE CONDUCTORS, PROVIDE PULL-STRINGS, AND CAP OPENINGS AND CONDUITS THAT ARE NOT TO BE RE-USED.
7. FIRE ALARM DEVICES ARE TO REMAIN IN OPERATION AND BE PROPERLY PROTECTED DURING CONSTRUCTION. REINSTALL DEVICES IN NEW CEILINGS.
8. ALL POWER SHUTDOWNS ARE TO BE SCHEDULED AND COORDINATED WITH OWNER.
9. IT IS THE INTENT FOR POWER TO REMAIN ACTIVE IN THE ADJACENT AREAS DURING CONSTRUCTION. CONTRACTOR IS TO MODIFY EXISTING WIRING ARRANGEMENT TO COMPLY.
10. IT IS THE INTENT TO REMOVE ALL ELECTRICAL DEVICES WHICH INTERFERE WITH THE NEW CONSTRUCTION WORK OR DEMOLITION WORK WHETHER SPECIFICALLY IDENTIFIED OR NOT.
11. IT IS THE INTENT FOR ALL CONTROLS TO BE REPLACED WITH NEW.

FLOOR PLAN - DEMOLITION

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

DEMOLITION KEY NOTES:

ED1 DIFFUSERS ARE NOT ELECTRICAL EQUIPMENT PLEASE REFER TO MECH SHEETS FOR DEMO.

ED1 ALL DEVICES ON THIS WALL SHALL BE REMOVED.

BID DOCUMENTS AUGUST 21, 2026

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INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

FIRST FLOOR PLAN
DEMOLITION-ELECTRICAL

SCALE	AS NOTED
DRAWN	JW/AO/JV
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

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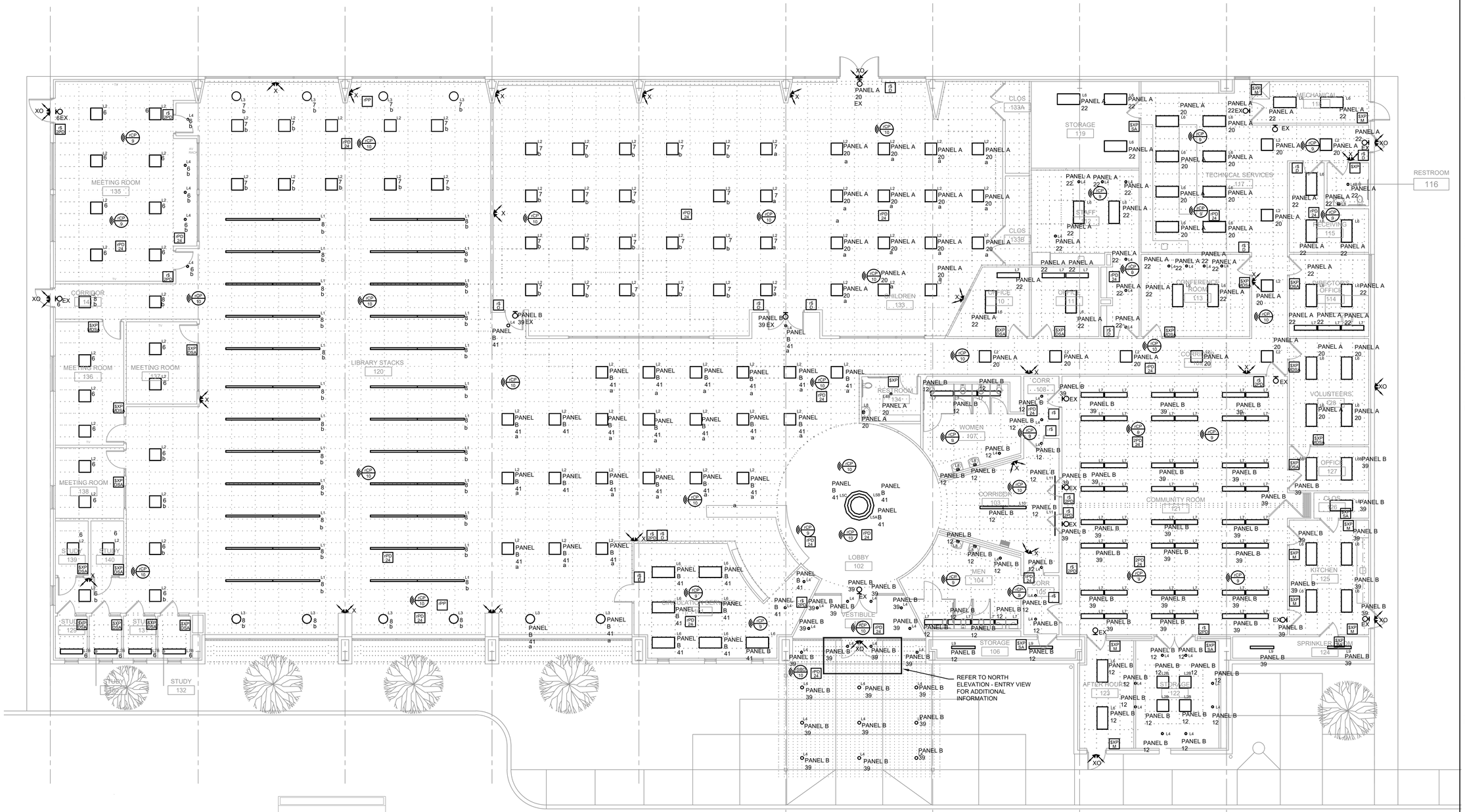

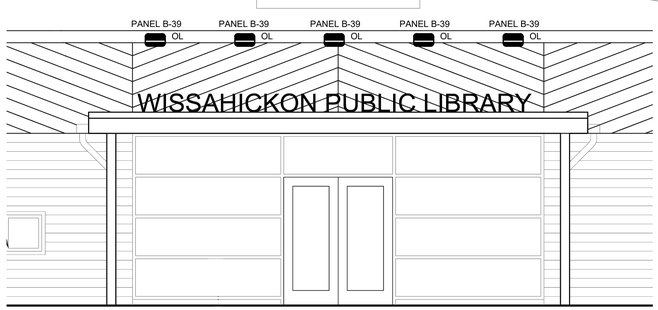

NORTH ELEVATION - ENTRY

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

FLOOR PLAN

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

N

GENERAL LUMINAIRE NOTES:

1. ALL BATTERY EQUIPPED EMERGENCY AND EXIT SIGNAGE LUMINAIRES ARE TO BE CIRCUITED VIA THE UN-SWITCHED LEG OF THE LOCAL AREA LUMINAIRE CIRCUIT.
2. ALL LUMINAIRE LOCATIONS AND MOUNTING HEIGHTS ARE TO BE COORDINATED WITH THE ARCHITECTURAL AND INTERIOR DESIGN DRAWINGS.
3. UNLESS OTHERWISE NOTED, ALL NORMAL POWER LUMINAIRE BRANCH CIRCUIT NUMBERS ARE VIA PANEL-C.
4. ALL LUMINAIRE CONTROL DEVICES ARE TO BE GANGED TOGETHER, HAVE A COMMON FACE PLATE, AND BE LABELED WITH THEIR AREA(S) OF CONTROL.
5. UNLESS OTHERWISE NOTED, ALL OCCUPANCY SENSOR DEVICES IN A SPACE ARE TO BE INTERCONNECTED SO THAT ALL LUMINAIRES WITHIN THE SPACE ARE ENERGIZED WHEN ANY OCCUPANCY SENSOR DEVICE IS ACTIVATED.
6. CONTRACTOR IS TO PROVIDE A MANUALLY CONTROLLED, OVERRIDE WALL BOX DEVICE FOR ROOM OCCUPANCY SENSORS.
7. **ALL LIGHTING CIRCUITS FROM PANEL B SHALL COME FROM THE LEFT SECTION.**
8. PANEL B CIRCUIT 39 WILL FEED ROOM 121.

BID DOCUMENTS AUGUST 21, 2026

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215.641.1158

SEAL

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND THE ARCHITECT NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION

DO NOT SCALE DRAWINGS

PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

FIRST FLOOR PLAN
LIGHTING -
ELECTRICAL

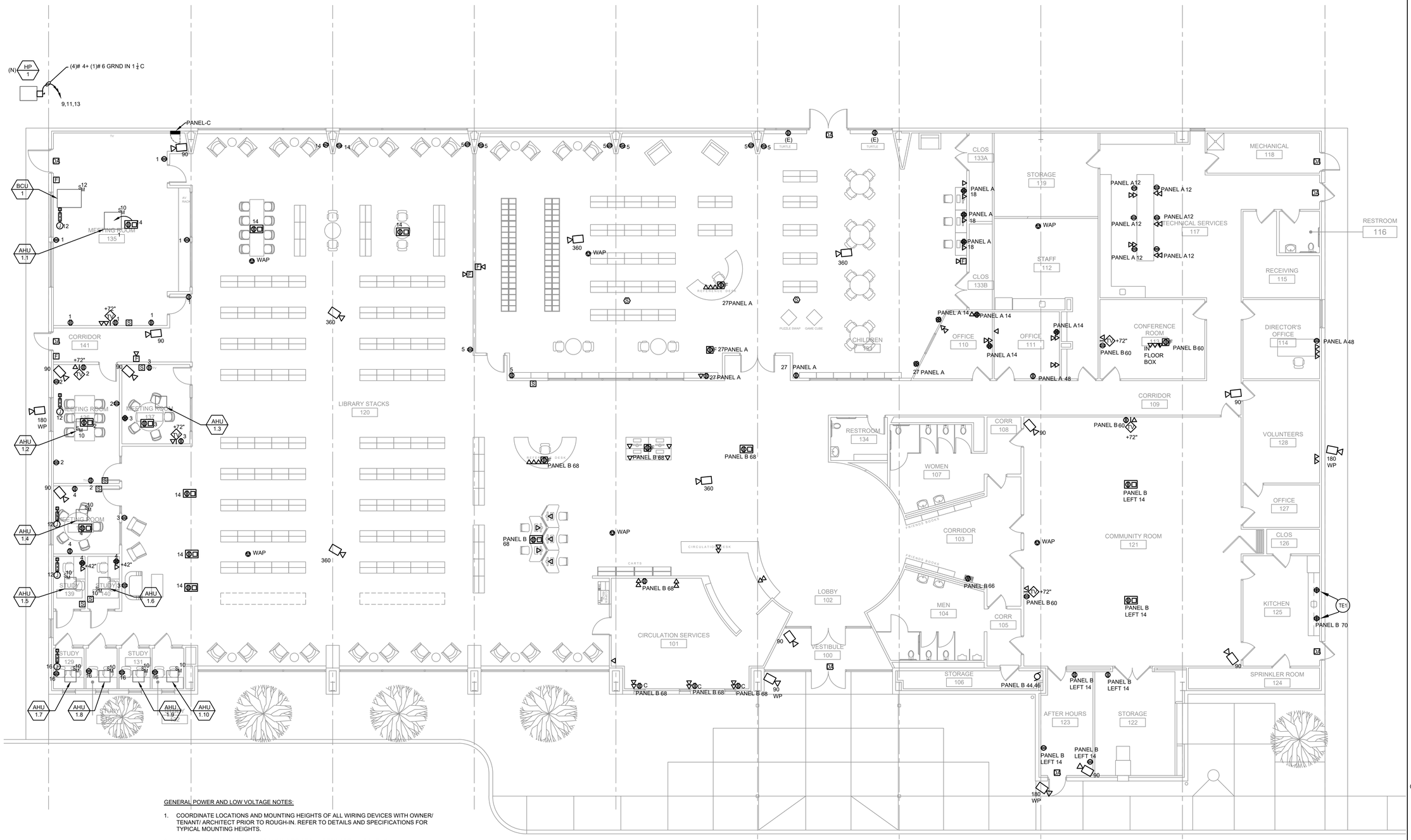
SCALE	AS NOTED
DRAWN	JW/AO/JV
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

E-101



GENERAL POWER AND LOW VOLTAGE NOTES:

1. COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF ALL WIRING DEVICES WITH OWNER/ TENANT/ ARCHITECT PRIOR TO ROUGH-IN. REFER TO DETAILS AND SPECIFICATIONS FOR TYPICAL MOUNTING HEIGHTS.
2. UNLESS OTHERWISE NOTED, BRANCH CIRCUIT NUMBERS ARE VIA PANEL-C.
3. CONTRACTOR IS TO CONCEAL WIRING WHENEVER POSSIBLE. ALL EXPOSED WIRING IS TO BE INSTALLED IN EMT. CONTRACTOR IS TO PAINT AS DIRECTED BY THE ARCHITECT. CONDUIT PATH IS TO BE AS INCONSPICUOUS AS POSSIBLE. COORDINATE CONDUIT ROUTE WITH ARCHITECT/ OWNER PRIOR TO ROUGH-IN AND INSTALLATION.
4. ALL NETWORK, POE, AND IT INFRASTRUCTURE IS TO BE PROVIDED BY THE GENERAL CONTRACTOR.
5. ALL POWER REQUIREMENTS FOR DOORS AND ASSOCIATED LOCKING MECHANISMS INDICATED IN DIVISION 8 "HARDWARE SCHEDULE FIRE ALARM INTERFACE" ARE TO BE PROVIDED BY THE GENERAL CONTRACTOR.
6. ALL CABLE TERMINATIONS, AND CERTIFICATIONS FOR PATCH PANELS ARE TO BE PROVIDED BY THE GENERAL CONTRACTOR.
7. POWER, AND DATA/ COAX FOR SECURITY TV, NVR, KEYPER SYSTEM, AND IT EQUIPMENT CLOSET WITH RACKS, AND TERMINATIONS ARE TO BE BY THE GENERAL CONTRACTOR.
8. ALL TV LOCATIONS SHALL HAVE 2 CAT 6 CABLES AT EACH LOCATION.

FLOOR PLAN

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

N

KEYED NOTES:

TE1 REMOVE THE JUMPER BETWEEN THEM LEAVE THE HOME RUN AND RUN ONE NEW HOME RUN TO ONE OR THE OTHER COUNTER TOP GFCI. CONTRACTOR TO VERIFY.

BID DOCUMENTS AUGUST 21, 2026

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ALBERT M. COMLY JR.
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650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

FIRST FLOOR PLAN
POWER -
ELECTRICAL

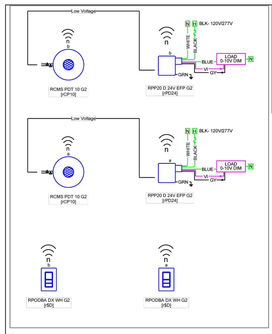
SCALE	AS NOTED
DRAWN	JW/AQ/JV
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

REVISIONS

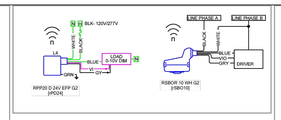
SYMBOL	DATE	DESCRIPTION

DRAWING #

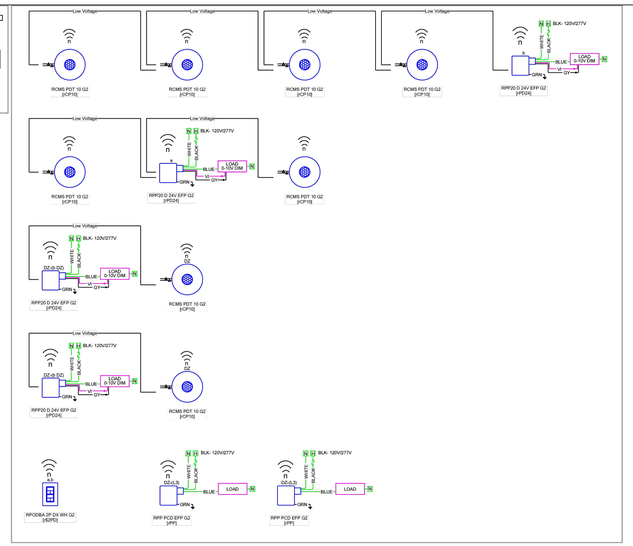
E-102



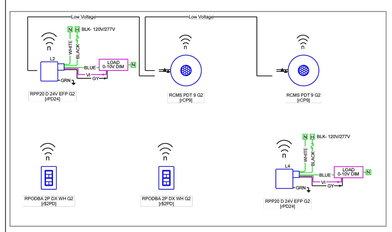
1 nLight Air Standalone - CHILDREN 133
SCALE: NTS



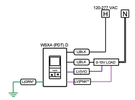
2 nLight Air Standalone - ENTRY
SCALE: NTS



3 nLight Air Standalone - LIBRARY STACKS
SCALE: NTS



4 nLight Air Standalone - MEETING ROOM 135
SCALE: NTS

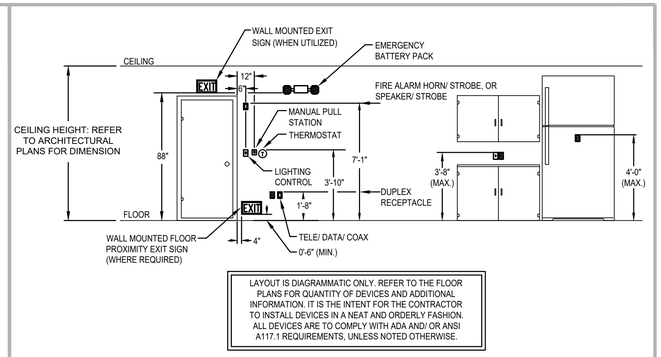


NOTES:
1# CONNECTION TO NEUTRAL IS REQUIRED FOR 0-10V DIMMING. LINK PROVIDED BETWEEN GROUND AND NEUTRAL SCREW TERMINALS.
2. 0-10V DIMMING CONNECTION FROM FUTURE WILL BE PINK OR AS OTHERWISE INDICATED PER SECTION H1.6.6 OF 2020 NEC

WIRE LEGEND

LINE VOLTAGE	LINE VOLTAGE (VARIOUS COLORS)
LOW VOLTAGE	LOW VOLTAGE (VARIOUS COLORS)

WSXA (PDT) D
N.T.S.



LAYOUT IS DIAGRAMMATIC ONLY. REFER TO THE FLOOR PLANS FOR QUANTITY OF DEVICES AND ADDITIONAL INFORMATION. IT IS THE INTENT FOR THE CONTRACTOR TO INSTALL DEVICES IN A NEAT AND ORDERLY FASHION. ALL DEVICES ARE TO COMPLY WITH ADA AND/ OR ANSI A117.1 REQUIREMENTS, UNLESS NOTED OTHERWISE.

TYPICAL DEVICE ELEVATION DETAIL

SCALE: NONE

NOTES:

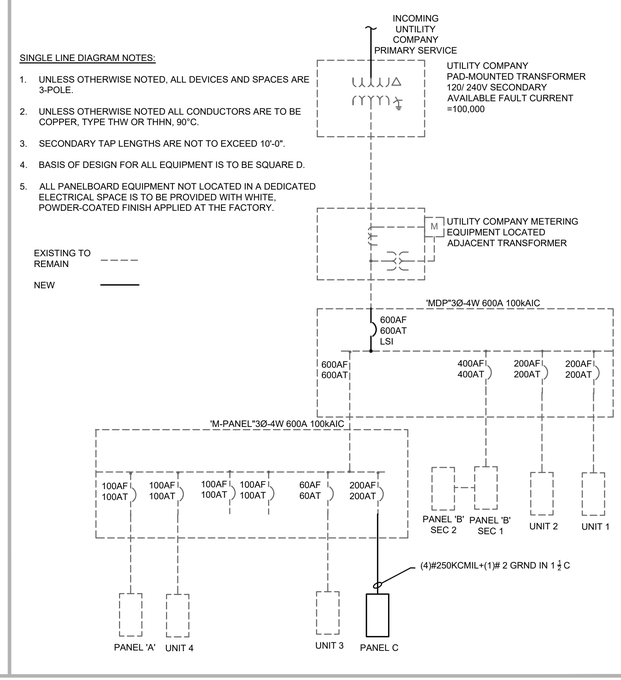
1. ALL GENERAL PURPOSE RECEPTACLE DEVICES AND TELE/ DATA/ COAX OUTLET DEVICES ARE TO BE MOUNTED A MINIMUM OF 1'-3" ABOVE THE FINISHED FLOOR TO THE BOTTOM OF THE DEVICE BOX PER ADA REQUIREMENTS. THE TYPICAL MOUNTING HEIGHT IS TO BE 1'-8" ABOVE THE FINISHED FLOOR TO THE TOP OF THE DEVICE BOX.
2. ALL GENERAL PURPOSE RECEPTACLE DEVICES, LUMINAIRE CONTROL DEVICES, AND LOW VOLTAGE OUTLET DEVICES LOCATED ABOVE COUNTERTOPS ARE TO BE MOUNTED A MAXIMUM OF 3'-8" ABOVE THE FINISHED FLOOR TO THE TOP OF THE DEVICE BOX. THE TYPICAL MOUNTING HEIGHT IS TO BE 0'-8" ABOVE THE COUNTERTOP TO THE TOP OF THE DEVICE BOX.
3. LUMINAIRE CONTROL DEVICES AND FIRE ALARM PULL STATION DEVICES ARE TO BE MOUNTED A MAXIMUM OF 3'-10" ABOVE THE FINISHED FLOOR. DEVIATIONS FROM THE STANDARD MOUNTING HEIGHTS ABOVE MAY BE INCORPORATED FOR EASE OF INSTALLATION DUE TO ARCHITECTURAL CONFLICTS WITH ITEMS SUCH AS TILES, HAND RAILS, ETC. DEVICES ARE TO BE A MAXIMUM OF 4'-0" ABOVE THE FINISHED FLOOR TO THE DEVICE'S OPERATING HANDLE.
4. THERMOSTATS ARE INDICATED FOR SIDE REACH APPLICATIONS. WHEN LOCKABLE COVERS ARE PROVIDED, THERMOSTATS ARE TO BE MOUNTED AT 4'-6" ABOVE THE FINISHED FLOOR

SINGLE LINE DIAGRAM NOTES:

1. UNLESS OTHERWISE NOTED, ALL DEVICES AND SPACES ARE 3-POLE.
2. UNLESS OTHERWISE NOTED ALL CONDUCTORS ARE TO BE COPPER, TYPE THW OR THHN, 90°C.
3. SECONDARY TAP LENGTHS ARE NOT TO EXCEED 10'-0".
4. BASIS OF DESIGN FOR ALL EQUIPMENT IS TO BE SQUARE D.
5. ALL PANELBOARD EQUIPMENT NOT LOCATED IN A DEDICATED ELECTRICAL SPACE IS TO BE PROVIDED WITH WHITE, POWDER-COATED FINISH APPLIED AT THE FACTORY.

EXISTING TO REMAIN

NEW



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BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

DETAILS & SCHEDULES - ELECTRICAL

SCALE	AS NOTED
DRAWN	JW/AO/JV
CHECKED	
APPROVED	
DATE	AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

E-201

Schedule

Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Number Lamps	Lumens per Lamp	LLF	Wattage
	L1	24	Mark Architectural Lighting	S4PD 16FT 80CRI 35K 400LMF FLL	Slot 4 Pendant Direct 8FT 80CRI 35K 400LMF Lambertian Flush Lens	1	3151	0.95	50.16
	L2	103	Lithonia Lighting	2BLT2 40L ADSM LP835	2X2 BLT 4000, Curved smooth, 82CRI 3500 K,	1	4007	0.95	30.98
	L2B	4	Lithonia Lighting	2BLT2 20L ADSM LP835	2X2 BLT 2000, Curved smooth, 82CRI 3500 K,	1	2023	0.95	16.37
	L3	10	Spectrum Lighting	SW1910GV-15L-35K-EX-TF2-MWI	Nom. 19" diam x 10" H, Short Warehouse Shade	1	1202	0.95	10
	L4	55	Gotham Architectural Lighting	IVO4 D 07LM 35K 80CRI 50D P AR LD	IVO4 Downlight 700 Lumens 3500K 80+ CRI 50° Beam Angle Open Parabolic Clear Anodized Matte Diffuse	1	671	0.95	7.337
	L4B	2	Gotham Architectural Lighting	IVO4 D 10LM 35K 80CRI 55D P AR LD	IVO4 Downlight 1000 Lumens 3500K 80+ CRI 55° Beam Angle Open Parabolic Clear Anodized Matte Diffuse	1	892	0.95	9.8311
	L5A	1	LumenWerx	RIMRP-60-ULO-SW-90-7500-35	RIM	1	7502	0.95	88.25
	L5B	1	LumenWerx	RIMRP-48-ULO-SW-90-6000-35	RIM	1	6001	0.95	70.62
	L5C	1	LumenWerx	RIMRP-36-ULO-SW-90-4500-35	RIM	1	4501	0.95	53.08
	L6	38	Lithonia Lighting	CPX 2X4 3000LM 80CRI 35K SWL	CPX 2X4, 3000 Lumens, 80 CRI, 3500K, Satin White Lens,	1	3287	0.95	24.57
	L6B	6	Lithonia Lighting	CPX 2X4 4000LM 80CRI 35K SWL	CPX 2X4, 4000 Lumens, 80 CRI, 3500K, Satin White Lens,	1	4817	0.95	36.69
	L7	61	Lithonia Lighting	CPX 1X4 2000LM 80CRI 35K SWL	CPX 1X4, 2000 Lumens, 80 CRI, 3500K, Satin White Lens,	1	2100	0.95	17.18
	L7B	4	Lithonia Lighting	CPX 1X4 3200LM 80CRI 35K SWL	CPX 1X4, 3200 Lumens, 80 CRI, 3500K, Satin White Lens,	1	3313	0.95	29.3
	L8	6	LIGHTWAY INDUSTRIES, INC	BRTW	LED Indirect Wall Pack	1	864	0.95	19.62
	L9	4	Mark Architectural Lighting	S6RD 4FT 0D 90CRI 35K 1000LMF CLL	Slot 6 Recessed Direct 4FT Length Flush 90CRI 3500K 1,000 Lumens per Foot Lambertian Continuous Flush Lens	1	3685	0.95	34
	L10	1	Mark Architectural Lighting	SL6L 8FT FLP 80CRI 35K 400LMF	Slot 6 LED, 8ft Length, Flushed Lens Position, 80CRI, 3500K LED Boards, 400LMF	1	1384	0.95	28.36
	L11	2	Mark Architectural Lighting	MCV504 4FT 80CRI 35K 400LMF 120X120DEG	Integrated Cove Fixture 4 Foot Section Length 120 x 120 Degree Distribution 400 Lumens Per Foot 80CRI 3500 Kelvin	1	2121	0.95	14.44
	EX	1	Cooper Lighting - Surelite Lighting	APC7RG, APCH7RG Series	EMERGENCY EXIT SIGN	1			6
	X	17	Cooper Lighting - Surelite Lighting	SEL17	EMERGENCY EGRESS LIGHTING	1			6
	XO	7	Cooper Lighting - Surelite Lighting	SRPA	EMERGENCY EGRESS LIGHTING	1			6
	OL	5	VISTA Lighting	1051KM	SIGN ILLUMINATION LINEAR FLOOD LIGHT	1	1330		13.3

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
AFTER HOURS 123	+	44.2 fc	55.4 fc	26.7 fc	2.1:1	1.7:1
CHILDREN 133	+	40.5 fc	58.7 fc	10.0 fc	5.9:1	4.1:1
CIRCULATION SERVICES 101	+	39.7 fc	57.2 fc	12.6 fc	4.5:1	3.2:1
CLOS 126	+	22.8 fc	26.6 fc	19.3 fc	1.4:1	1.2:1
COMMUNITY ROOM 121	+	53.6 fc	71.9 fc	15.1 fc	4.8:1	3.5:1
CONFERENCE ROOM 113	+	39.4 fc	71.2 fc	14.3 fc	5.0:1	2.8:1
CORRIDOR 103	+	14.6 fc	27.4 fc	6.8 fc	4.0:1	2.1:1
CORRIDOR 109	+	29.7 fc	44.9 fc	7.8 fc	5.8:1	3.8:1
DIRECTORS OFFICE 114	+	43.8 fc	65.4 fc	18.5 fc	3.5:1	2.4:1
ENTRANCE	+	11.0 fc	22.1 fc	2.9 fc	7.6:1	3.8:1
KITCHEN 125	+	35.7 fc	49.4 fc	19.2 fc	2.6:1	1.9:1
LIBRARY STACKS 120	+	40.3 fc	69.5 fc	6.1 fc	11.4:1	6.6:1
LOBBY 102	+	14.0 fc	26.5 fc	6.9 fc	3.8:1	2.0:1
MECHANICAL 118	+	28.5 fc	41.0 fc	14.3 fc	2.9:1	2.0:1
MEETING ROOM 135	+	35.3 fc	48.6 fc	4.2 fc	11.6:1	8.4:1
MEETING ROOM 136	+	30.8 fc	45.8 fc	14.5 fc	3.2:1	2.1:1
MEETING ROOM 137	+	27.3 fc	39.8 fc	15.1 fc	2.6:1	1.8:1
MEETING ROOM 138	+	29.8 fc	41.3 fc	18.2 fc	2.3:1	1.6:1
MEN 104	+	23.9 fc	47.8 fc	6.5 fc	7.4:1	3.7:1
OFFICE 110	+	31.3 fc	51.2 fc	13.0 fc	3.9:1	2.4:1
OFFICE 111	+	39.9 fc	64.9 fc	17.3 fc	3.8:1	2.3:1
OFFICE 127	+	49.8 fc	62.6 fc	35.5 fc	1.8:1	1.4:1
RECEIVING 115	+	36.1 fc	48.1 fc	24.0 fc	2.0:1	1.5:1
RESTROOM 116	+	20.1 fc	42.2 fc	6.6 fc	6.4:1	3.0:1
RESTROOM 134	+	14.9 fc	30.5 fc	3.3 fc	9.2:1	4.5:1

PANEL SCHEDULE 0

PANEL LABEL: A (E) — MAINS: 200 AMP — ENCLOSURE
FED FROM: — MCB: ___ AMP — NEMA: ___
A.I.C.: 50K or 65K — LUGS: MLO or FT or SF — MOUNTING: ___
208/120 VOLT 3 PHASE 4 WIRE — TOP___ BOTTOM___ — WIDTH: ___

CKT	TRIP	POLE	DESCRIPTION	WATT	WATT	DESCRIPTION	TRIP	POLE	CKT
1	20	1	OUTLETS				20	1	2
3	20	1	OUTLETS			UH	20	1	4
5	20	1	OUTLETS (N)	1080		LIGHTING	20	1	6
7	20	1	OUTLETS			LIGHTING	20	1	8
9	20	1	OUTLETS			EMERGENCY LIGHTING	20	1	10
11	20	1	OUTLETS		1080	TECHNICAL SERVICES (N)	20	1	12
13	20	1	OUTLETS		1440	110,111, & 133 (N)	20	1	14
15	20	1	OUTLETS			SPARE	20	1	16
17	20	1	OUTLETS		1440	133 RIGHT- 109-134-117 (N)	20	1	18
19	20	1	OUTLETS			SPARE	20	1	20
21	20	1	OUTLETS		607	110--119 (N)	20	1	22
23	20	1	OUTLETS			SPACE ONLY	20	1	24
25	20	1	CONTROL PANEL-EF-2.4 (N)			SPACE ONLY	20	1	26
27	20	1	OUTLETS	1440		SPACE ONLY	20	1	28
29	20	1	SPARE			SPACE ONLY	20	1	30
31	20	1	SPARE				20	1	32
33	20	1	SPARE			E-1	20	1	34
35			SPACE ONLY						36
37			DOUBLE OUTLET			E-1			38
39			COMPUTER SERVER			2X5-2,E-3			40
41			COMPUTER SERVER			PREPARED SPACE			42
				2520	4567	7087	25 AMPS		

PANEL SCHEDULE 0

PANEL LABEL: C — MAINS: 200 AMP — ENCLOSURE
FED FROM: PANEL M — MCB: 200 AMP — NEMA: 1
A.I.C.: 65K — LUGS: MLO or FT or SF — MOUNTING: R
208/120 VOLT 3 PHASE 4 WIRE — TOP___ BOTTOM___ — WIDTH: 20"

CKT	TRIP	POLE	DESCRIPTION	WATT	WATT	DESCRIPTION	TRIP	POLE	CKT
1	20	1	MEETING ROOM 135 RECPT	1440	1080	MEETING ROOM 136 RECPT	15	1	2
3	15	1	MEETING ROOM 137 RECPT	1080	1440	MEETING ROOM 138 RECPT & STUDY	20	1	4
5	20	1	CHILDREN RECPT	1440	905	MEETING ROOMS	20	1	6
7	20	1	LIBRARY STACK AND LEFT CHILDREN	1046	1305	LIBRARY STACK	20	1	8
9	80	3	HP-1	18352	787	AHU-1-10	15	1	10
11					50	BCU-1 & MOD	15	1	12
13					1260	FLOOR BOXES & RECPT	20	1	14
15	20	1	SPARE		726	STUDY ROOM	20	1	16
17	20	1	SPARE				20	1	18
19	20	1	SPARE				20	1	20
21	20	1	SPARE				20	1	22
23	20	1	SPARE				20	1	24
25	20	1	SPARE				20	1	26
27	20	1	SPARE				20	1	28
29	20	1	SPARE			SPARE	20	1	30
31	20	1	SPARE			SPARE	20	1	32
33	20	1	SPARE			SPARE	20	1	34
35			PREPARED SPACE			PREPARED SPACE			36
37			PREPARED SPACE			PREPARED SPACE			38
39			PREPARED SPACE			PREPARED SPACE			40
41			PREPARED SPACE			PREPARED SPACE			42
				23358	7554	30912	107 AMPS		

PANEL SCHEDULE 0

PANEL LABEL: B LEFT (E) — MAINS: 400 AMP — ENCLOSURE
FED FROM: MDP — MCB: ___ AMP — NEMA: ___
A.I.C.: 50K or 65K — LUGS: MLO or FT or SF — MOUNTING: ___
208/120 VOLT 3 PHASE 4 WIRE — TOP___ BOTTOM___ — WIDTH: ___

CKT	TRIP	POLE	DESCRIPTION	WATT	WATT	DESCRIPTION	TRIP	POLE	CKT
1	20	1	OUTLETS			EF-1	20	1	2
3	20	1	OUTLETS				20	1	4
5	20	1	OUTLETS			RHC-1	20	1	6
7	20	1	OUTLETS				20	1	8
9	20	1	OUTLETS			CH-1	20	1	10
11	20	1	OUTLETS		1352	106-104--105-103-121 LIGHTING (N)	20	1	12
13	20	1	OUTLETS		1080	STORAGE AFTER HOURS (N)	20	1	14
15	20	1	OUTLETS				20	1	16
17	20	1	OUTLETS			2 WH-2	20	1	18
19	20	1	OUTLETS				20	1	20
21	20	1	OUTLETS			WH-3	20	1	22
23	20	1	OUTLETS				20	1	24
25	20	1	OUTLETS			WH-2,UH-2	20	1	26
27	20	1	OUTLETS				20	1	28
29	20	1	OUTLETS			UH-1	20	1	30
31	20	1	OUTLETS, EF-1			WATER PUMP	20	1	32
33	20	1	OUTLETS			DOOR MOTORS	20	1	34
35			OUTLETS						36
37			CIRCULATOR			WATER HEATER			38
39	20	1	EXTERIOR LIGHTNG/100 (NEW)	445					40
41	15	1	LOBBY LIGHTING (NEW)	1080		RANGE			42
				1525	2432	3957	14 AMPS		

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
SPRINKLER ROOM 124	+	26.1 fc	30.9 fc	21.0 fc	1.5:1	1.2:1
STAFF 112	+	28.8 fc	51.2 fc	3.8 fc	13.5:1	7.6:1
STORAGE 106	+	25.3 fc	30.7 fc	14.3 fc	2.1:1	1.8:1
STORAGE 119	+	26.3 fc	41.7 fc	7.1 fc	5.9:1	3.7:1
STORAGE 122	+	25.4 fc	36.5 fc	6.2 fc	5.9:1	4.1:1
STUDY 129	+	30.1 fc	44.5 fc	16.0 fc	2.8:1	1.9:1
STUDY 130	+	30.3 fc	44.5 fc	16.1 fc	2.8:1	1.9:1
STUDY 131	+	30.0 fc	44.4 fc	16.0 fc	2.8:1	1.9:1
STUDY 132	+	30.2 fc	44.4 fc	16.1 fc	2.8:1	1.9:1
STUDY 139	+	24.8 fc	31.2 fc	20.4 fc	1.5:1	1.2:1
STUDY 140	+	24.9 fc	31.3 fc	20.5 fc	1.5:1	1.2:1
TECHNICAL SERVICES 117	+	42.0 fc	61.2 fc	8.1 fc	7.6:1	5.2:1
VESTIBULE 100	+	19.8 fc	30.8 fc	4.9 fc	6.3:1	4.0:1
VOLUNTEERS 128	+	38.3 fc	49.7 fc	23.0 fc	2.2:1	1.7:1
WOMEN 107	+	22.7 fc	46.0 fc	7.0 fc	6.6:1	3.2:1

PRODUCT LEGEND
LC 1.0

5 — $XP DSA
$XP
DSA
WSXA PDT D SA WH
Wall Switch Sensor, Passive Dual Technology, Dimming, Vacancy (default) or Auto-On

3 — r$ 2PD
r$
2PD
RPODBA 2P DX WH G2
nLight Preset Wall control, 2-Pole, Raise/Lower Dimming, Generation Two

2 — r$ D
r$
D
RPODBA DX WH G2
nLight Preset Wall control, Raise/Lower Dimming, Generation Two

10 — rCP 10
rCP
10
RCMS PDT 10 G2
Networked nLight AIR occupancy and daylight sensor, Passive Dual Technology, Large Motion / Extended Range 360° Lens, Generation Two

2 — rCP 9
rCP
9
RCMS PDT 9 G2
Networked nLight AIR occupancy and daylight sensor, Passive Dual Technology, Small Motion / Standard Range 360° Lens, Generation Two

9 — rPD 24
rPD
24
RPP20 D 24V EFP G2
nLight Air Power/Relay Pack, Networked Version, Dimming, 24 volt output, External Fault Protection, Generation Two

2 — rPP
rPP
RPP PCD EFP G2
nLight AIR Phase Dimming Module, Phase Control Dimming, External Fault Protection, Generation Two

1 — rSBO 10
rSBO
10
RSBOR 10 WH G2
nLight AIR Box Mount Outdoor, Large Motion / Extended Range 360° Lens

BID DOCUMENTS AUGUST 21, 2026

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PROJECT TITLE

WISSAHICKON LIBRARY
INTERIOR IMPROVEMENTS
650 SKIPPACK PIKE
BLUE BELL, PENNSYLVANIA 19442

DRAWING TITLE

DETAILS & SCHEDULES - ELECTRICAL

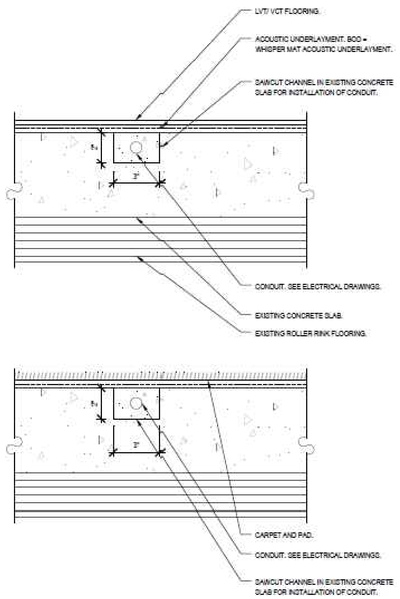
SCALE: AS NOTED
DRAWN: JW/AOJV
CHECKED:
APPROVED:
DATE: AUGUST 21, 2026

REVISIONS

SYMBOL	DATE	DESCRIPTION

DRAWING #

E-202



7 CONDUIT CHANNEL/ FLOORING

SCALE= 3 = 1'-0"

PANEL SCHEDULE 0

PANEL LABEL: RIGHT (E)	MAINS: 400 AMP	ENCLOSURE
FED FROM: MDP	MCB: ___ AMP	NEMA: ___
A.I.C.: 50K or 65K	LUGS: MLO or FT or SF	MOUNTING: ___
208/120 VOLT 3 PHASE 4 WIRE	TOP___ BOTTOM___	WIDTH: ___

CKT	TRIP	POLE	DESCRIPTION	WATT	WATT	DESCRIPTION	TRIP	POLE	CKT
43	20	1	LIGHTING ZONE						44
45	20	1	LIGHTING ZONE		1440	SPRINKLER PUMP (N)	20	2	46
47	20	1	LIGHTING ZONE		360	111, 114 (N)	20	1	48
49	20	1	LIGHTING ZONE			LIGHTING	20	1	50
51	20	1	LIGHTING ZONE			PARKING LOT LIGHTIGN	20	1	52
53	20	1	LIGHTING ZONE				20	1	54
55	20	1	LIGHTING ZONE			EMERGENCY LIGHTING	20	1	56
57	20	1	LIGHTING ZONE			TIME CLOCK	20	1	58
59	20	1	LIGHTING ZONE		720	TVS & 113	20	1	60
61	20	1	LIGHTING ZONE			SPARE X	20	1	62
63	20	1	LIGHTING ZONE			SPARE X	20	1	64
65	20	1	LIGHTING ZONE		180	WC (N)	15	1	66
67	20	1	LIGHTING ZONE		1440	CIRCULTATION SERVICES & FLOOR BOXES (N)	20	1	68
69	20	1	LIGHTING ZONE		180	RIGHT SA (N)	20	1	70
71	20	1	LIGHTING ZONE			SPACE ONLY	20	1	72
73	20	1	LIGHTING ZONE				20	1	74
75	20	1	LIGHTING ZONE			E-1	20	1	76
77			LIGHTING ZONE						78
79			LIGHTING			E-2			80
81	20	1	LIGHTING ZONE			E-1			82
83	15	1	LIGHTING ZONE						84
				0	4320	4320	15	AMPS	

ELECTRICAL SYMBOL LIST

- S — SINGLE-POLE WALLBOX SWITCH
- S_3 — 3-WAY WALLBOX SWITCH
- S_4 — 4-WAY WALLBOX SWITCH
- S_D — LUMINAIRE CONTROL SYSTEM DIMMER
- S_{2a4} — LUMINAIRE CONTROL SYSTEM WALLBOX CONTROL FOR TIMECLOCK PROGRAM OVERRIDE.
  - INDICATES AREA OR ZONE OF CONTROL
- S_E — EMERGENCY SHUT-DOWN SWITCH
- S_T — SINGLE-POLE WALLBOX SWITCH WITH INTEGRAL TIMER FUNCTION.
- S_P — SINGLE-POLE WALLBOX SWITCH WITH PILOT LIGHT
- DUAL TECHNOLOGY, WALL BOX OCCUPANCY SENSOR WITH OFF/ AUTO OVERRIDE SWITCH
- DUAL TECHNOLOGY, CEILING MOUNTED OCCUPANCY SENSOR
- DUAL TECHNOLOGY, WALL BOX VACANCY SENSOR WITH OFF/ AUTO OVERRIDE SWITCH
- DUAL TECHNOLOGY, CEILING MOUNTED VACANCY SENSOR
- DUAL TECHNOLOGY, CEILING MOUNTED MOTION SENSOR
- RECESSED, OR SURFACE MOUNTED LED LUMINAIRE CONNECTED TO NORMAL POWER. REFER TO THE LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION.
- RECESSED, OR SURFACE MOUNTED LED LUMINAIRE CONNECTED TO EMERGENCY POWER, OR PROVIDED WITH INTEGRAL BATTERY BACK-UP. REFER TO THE LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION.
- 4'-0", LENSED LED INDUSTRIAL STRIP LUMINAIRE
- LENSED, LED UNDER CABINET LUMINAIRE. LENGTHS AS INDICATED ON PLANS.
- A4 — INDICATES LUMINAIRE TYPE
- 2 — INDICATES BRANCH CIRCUIT DESIGNATION
- a — INDICATES CONTROL ZONE
- BATTERY PACK EMERGENCY LIGHTING UNIT WITH SOLID STATE CHARGER. CONNECT AHEAD OF ANY SWITCHING. REMOTE CAPABLE WHERE REQUIRED.
- REMOTE EMERGENCY LIGHTING UNIT CONNECTED TO EMERGENCY POWER, OR PROVIDED WITH INTEGRAL BATTERY BACK-UP. REFER TO THE LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION.
- EXIT SIGN LUMINAIRE GENERATOR OR BATTERY POWERED
- H — WALL MOUNTED EXIT SIGN LUMINAIRE GENERATOR OR BATTERY POWERED
- WP — CCTV CAMERA (POE)
  - INDICATES WEATHERPROOF, EXTERIOR CAMERA
- TV — TELEVISION OUTLET:

  COMMON AREAS:
  PROVIDE BACK BOX WITH 3/4"Ø BUSHED CONDUIT WITH PULL-STRING TO ACCESSIBLE CEILING SPACE. DEVICES, WIRING METHODS, AND TERMINATIONS BY OTHERS. MOUNT 60" ABOVE FINISHED FLOOR TO CENTER OF DEVICE OR AS DIRECTED BY THE OWNER.
- DATA OUTLET:
  PROVIDE BACK BOX WITH 3/4"Ø BUSHED CONDUIT WITH PULL-STRING TO ACCESSIBLE CEILING SPACE. DEVICES, WIRING METHODS, AND TERMINATIONS BY OTHERS.
- TELEPHONE OUTLET:
  - W — INDICATES WALL PHONE MOUNTED 54" A.F.F.

  COMMON AREAS:
  PROVIDE BACK BOX WITH 3/4"Ø BUSHED CONDUIT WITH PULL-STRING TO ACCESSIBLE CEILING SPACE. DEVICES, WIRING METHODS, AND TERMINATIONS BY OTHERS.
- COMBINATION TELEPHONE/ DATA OUTLET:

  COMMON AREAS:
  PROVIDE BACK BOX WITH 1"Ø, BUSHED CONDUIT WITH PULL-STRING TO ACCESSIBLE CEILING SPACE. DEVICES, WIRING METHODS, AND TERMINATIONS BY OTHERS.

(N) NEW
(E) EXISTING
(ED) EXISTING TO BE DEMOLISHED
(ED) CUBIC FEET PER MINUTE
(ER) EXISTING TO BE RELOCATED
(R) REMOVE EXISTING
(RE) RELOCATED EXISTING

- SURFACE OR FLOOR MOUNTED DISTRIBUTION EQUIPMENT
- SURFACE MOUNTED LIGHTING, OR POWER BRANCH CIRCUIT PANEL EQUIPMENT
- RECESSED MOUNTED LIGHTING, OR POWER BRANCH CIRCUIT PANEL EQUIPMENT
- MOTOR
- S_M — MOTOR RATED SWITCH (PROVIDE MANUAL MOTOR STARTER FOR OVERLOAD PROTECTION, AS REQUIRED)
- UN-FUSED DISCONNECT SWITCH
- XXAF/XXAT — FUSIBLE DISCONNECT SWITCH
  - XXAF = FRAME CAPACITY
  - XXAT = TRIP RATING
- XXAF/XXAT — ENCLOSED CIRCUIT BREAKER
  - XXAF = FRAME CAPACITY
  - XXAT = TRIP RATING
- MOTOR STARTER
- COMBINATION MOTOR STARTER/ DISCONNECT SWITCH
- +XX" A.F.F. — INDICATES HEIGHT ABOVE FINISHED FLOOR TO CENTER OF DEVICE(S)
- X#X — WIRING METHOD DESIGNATION (CONDUCTOR QUANTITY AND SIZE)
- LP-1 — PANEL, AND POLE SPACE DESIGNATION (CONCEALED WIRING METHOD)
- CONCEALED BRANCH CIRCUIT WIRING METHOD
- J — JUNCTION BOX
- XX — DUPLEX RECEPTACLE DEVICE
  - TAG:
    - D = DEDICATED OVERCURRENT PROTECTION DEVICE
    - U = INTEGRAL USB OUTLETS
    - C = DEVICE MOUNTED 0'-8" ABOVE COUNTER TOP
    - T = TAMPER RESISTANT DEVICE
- GFCI (GROUND-FAULT CIRCUIT-INTERRUPTER) DUPLEX RECEPTACLE DEVICE FOR PERSONAL PROTECTION
- a — SWITCHED (BOTTOM OUTLET) DUPLEX RECEPTACLE DEVICE
  - INDICATES CORRESPONDING CONTROL DEVICE
- SINGLE RECEPTACLE DEVICE FOR EQUIPMENT
- DOUBLE DUPLEX RECEPTACLE DEVICE
- SPECIAL RECEPTACLE DEVICE (COORDINATE NEMA CONFIGURATION WITH FINAL EQUIPMENT SELECTIONS)
- WX, OR FX — POWER, CCTV, OR CATV
  - W = WALL SOURCE
  - F = FLOOR SOURCE
  - X = 2, 3, OR 4 GANG BOX
- WX, OR FX — FLUSH MOUNTED, ADJUSTABLE FLOOR BOX WITH POWER, IG POWER, AND VOICE/ DATA OUTLETS
  - W = WALL SOURCE
  - F = FLOOR SOURCE
  - X = 2, 3, OR 4 GANG BOX
- PUSH-BUTTON DEVICE
- ON/ OFF PUSH-BUTTON DEVICE
- THREE FUNCTION PUSH-BUTTON DEVICE (UP/ DOWN/ STOP).
- XX — SECURITY/ ACCESS CONTROL. DEVICE DERIVES POWER FROM THE SECURITY/ ACCESS CONTROL HEAD-END EQUIPMENT. COORDINATE ALL POWER REQUIREMENTS WITH THE SECURITY/ ACCESS CONTROL VENDOR.
  - INDICATES DEVICE TYPE:
    - AI = AI PHONE EQUIPMENT
    - CR = CARD READER
    - DC = DOOR CONTACT
    - ES = ELECTRIC DOOR STRIKE
    - EX = REQUEST TO EXIT
    - KP = KEY PAD
    - MD = MOTION DETECTOR
    - ML = MAGNETIC LOCK
    - RE = RFID EXCITER
    - DA = DOOR ALARM
- VC — VOLUME CONTROL DEVICE:
  PROVIDE BACK BOX WITH 3/4"Ø BUSHED CONDUIT WITH PULL-STRING TO ACCESSIBLE CEILING SPACE. DEVICES, WIRING METHODS, AND TERMINATIONS BY OTHERS. MOUNT 46" ABOVE FINISHED FLOOR TO CENTER OF DEVICE OR AS DIRECTED BY THE OWNER.

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E-203