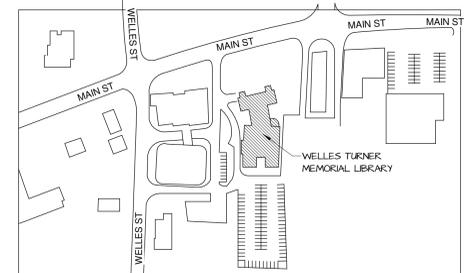


GLASTONBURY WELLES TURNER LIBRARY ADDITIONS AND RENOVATIONS

CONSTRUCTION DOCUMENTS

JUNE 1, 2020



GENERAL	
A0.00	COVER SHEET
A0.01	GENERAL INFORMATION
A0.02	CODE SHEET AND PARTITION TYPES
A0.03	PHASING PLAN
SURVEY	
VB1.01	SURVEY
CIVIL	
CS100	SITE CIRCULATION PLAN
CS101	SITE PLAN
CS501	SITE DETAILS
CG101	GRADING, DRAINAGE, AND SITE UTILITY PLAN
CG701	IMPERVIOUS COVERAGE ANALYSIS PLAN
CG501	DRAINAGE AND SITE UTILITY DETAILS
CE101	SOIL EROSION AND SEDIMENT CONTROL PLAN
CE501	SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
LANDSCAPE	
LP101	PLANTING PLAN
LP501	PLANTING NOTES AND DETAILS
DEMOLITION	
D1.01	FIRST FLOOR SELECTIVE DEMOLITION PLAN
D1.02	SECOND FLOOR SELECTIVE DEMOLITION PLAN
D2.01	FIRST FLOOR SELECTIVE DEMOLITION CEILING PLAN
D2.02	SECOND FLOOR SELECTIVE DEMOLITION CEILING PLAN
ARCHITECTURAL	
A1.01	FIRST FLOOR PLAN
A1.02	SECOND FLOOR PLAN
A1.03	THIRD FLOOR PLAN AND ROOF PLAN
A1.31	ROOF DETAILS
A2.01	FIRST FLOOR REFLECTED CEILING PLAN
A2.02	SECOND FLOOR REFLECTED CEILING PLAN
A2.03	THIRD FLOOR REFLECTED CEILING PLAN
A2.04	CEILING DETAILS
A2.05	CEILING DETAILS
A3.01	BUILDING ELEVATIONS
A3.02	BUILDING ELEVATIONS
A3.03	BUILDING SECTIONS
A4.01	EXTERIOR WALL SECTIONS
A4.02	EXTERIOR WALL SECTIONS AND ELEVATIONS
A4.20	EXTERIOR SECTION DETAILS
A4.21	EXTERIOR SECTION DETAILS
A4.30	EXTERIOR PLAN DETAILS
A5.01	WINDOW SCHEDULE
A6.01	STAIRS
A8.01	INTERIOR ELEVATIONS
A8.02	INTERIOR ELEVATIONS
A9.01	MILLWORK DETAILS
A9.02	MILLWORK DETAILS
A10.01	FIRST FLOOR FINISH PLAN
A10.02	SECOND FLOOR FINISH PLAN
A10.03	THIRD FLOOR FINISH PLAN
F1.01	DOOR SCHEDULE
F1.01	FIRST FLOOR FURNITURE LAYOUT PLAN
F1.02	SECOND FLOOR FURNITURE LAYOUT PLAN
STRUCTURE	
S.00	GENERAL NOTES
S.01	FOUNDATION PLAN
S.02	SECOND FLOOR PLAN
S.03	ROOF FRAMING PLAN
S.04	TYPICAL DETAILS
S.05	STEEL DETAILS
S.06	FOUNDATION DETAILS
S.07	CHILDREN ROOM PLAN AND ELEVATION
S.08	BALCONY COLUMN PLAN ELEVATION AND DETAIL
S.09	BRACING DETAILS
S.10	LINTEL FRAMING DETAILS
S.11	BENT C DETAILS
S.12	PATIO RETAINING WALL PLAN AND SECTION
SITE UTILITY	
SU-1.00	SITE UTILITY PLAN
FIRE PROTECTION	
FP0.00	FIRE PROTECTION ABBREVIATIONS, LEGENDS, SYMBOLS AND NOTES
FPD1.01	FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN
FPD1.02	FIRE PROTECTION SECOND FLOOR DEMOLITION PLAN
FP1.01	FIRE PROTECTION FIRST FLOOR PLAN
FP1.02	FIRE PROTECTION SECOND FLOOR PLAN
PLUMBING	
P0.00	PLUMBING ABBREVIATIONS, LEGENDS, SYMBOLS AND NOTES
P1.01U	PLUMBING UNDERSLAB PLAN
P1.01	PLUMBING FIRST FLOOR PLAN
P1.02	PLUMBING SECOND FLOOR PLAN
P1.05	PLUMBING ROOF PLAN
P5.00	PLUMBING FIXTURE SCHEDULES, DIAGRAMS AND DETAILS
MECHANICAL	
M0.00	MECHANICAL ABBREVIATIONS, LEGENDS, AND GENERAL NOTES
MD1.01	MECHANICAL FIRST FLOOR DEMO PLAN
MD1.02	MECHANICAL SECOND FLOOR DEMO PLAN
MD1.04	MECHANICAL MEZZANINE DEMO PLAN
M1.01	MECHANICAL FIRST FLOOR PLAN
M1.02	MECHANICAL SECOND FLOOR PLAN
M1.04	MECHANICAL MEZZANINE PLAN
M5.00	MECHANICAL DETAILS
M5.01	MECHANICAL DETAILS
M6.00	MECHANICAL SCHEDULES AND DIAGRAMS
ELECTRICAL	
E0.00	ELECTRICAL SYMBOLS, ABBREVIATIONS AND LEGENDS
ED1.01	ELECTRICAL DEMOLITION FIRST FLOOR PLAN
ED1.02	ELECTRICAL DEMOLITION SECOND FLOOR PLAN
EL1.01	ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL1.02	ELECTRICAL LIGHTING SECOND FLOOR PLAN
EL1.03	ELECTRICAL LIGHTING THIRD FLOOR & MEZZANINE PLAN
EP1.01	ELECTRICAL POWER FIRST FLOOR PLAN
EP1.02	ELECTRICAL POWER SECOND FLOOR PLAN
EP1.03	ELECTRICAL POWER THIRD FLOOR AND MEZZANINE PLAN
E2.01	ELECTRICAL POWER RISER DIAGRAM
E5.00	ELECTRICAL DETAILS
E5.01	ELECTRICAL DETAILS
E6.00	ELECTRICAL SCHEDULES AND DIAGRAMS
E6.01	LIGHTING FIXTURE AND MOTOR CIRCUIT SCHEDULES

ARCHITECT
TSKP STUDIO, LLC
ONE HARTFORD SQUARE WEST
HARTFORD, CT 06106

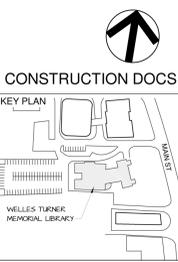
SITE&CIVIL ENGINEER
LANGAN
LONG WHARF MARITIME
CENTER
555LONG WHARF DRIVE
NEW HAVEN, CT 06511

STRUCTURAL
GM2
115 GLASTONBURY BLVD,
GLASTONBURY, CT 06033

MEP/FP/IT/SECURITY/AV
CONSULTING ENGINEERING SERVICE
811 MIDDLE ST
MIDDLETOWN, CT 06457

CONSTRUCTION DOCUMENTS

GLASTONBURY WELLES TURNER LIBRARY
ADDITIONS AND RENOVATIONS

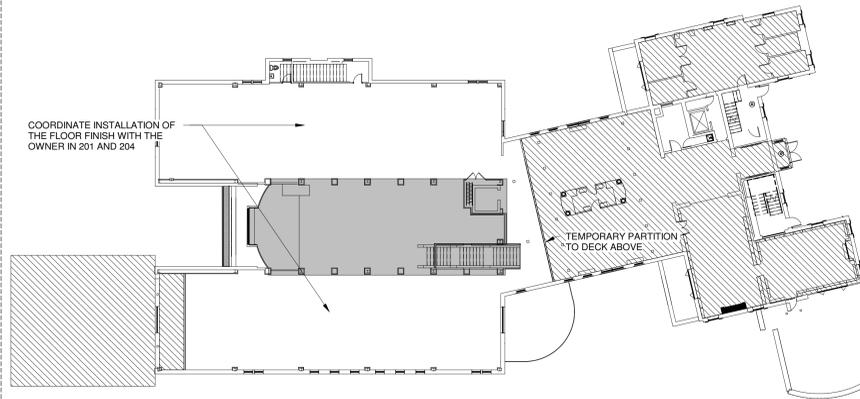


CONSTRUCTION DOCS
 KEY PLAN
 WELLES TURNER MEMORIAL LIBRARY
 DRAWING TITLE
PHASING PLAN

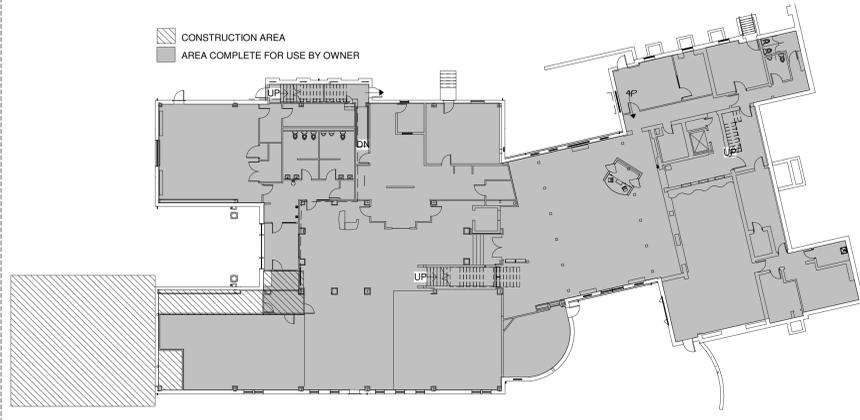
GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	3/64" = 1'-0"
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

ISSUE DATES		
NO.	DATE	PURPOSE

A0.03



6 SECOND FLOOR PHASE 3
 3/64" = 1'-0"



5 FIRST FLOOR PHASE 3
 3/64" = 1'-0"

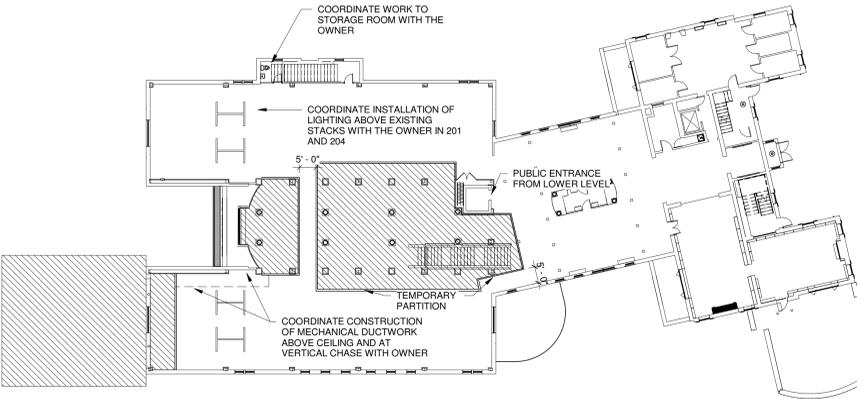
PHASE 3

PHASE 2 DURATION : FOUR MONTHS
 THE FOLLOWING IS A PARTIAL SUMMARY OF CONSTRUCTION ACTIVITIES REQUIRED. REFER TO CONSTRUCTION DOCUMENTS FOR THE COMPLETE SCOPE OF WORK. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS AND SEQUENCE OF CONSTRUCTION IN ORDER TO SATISFY THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.

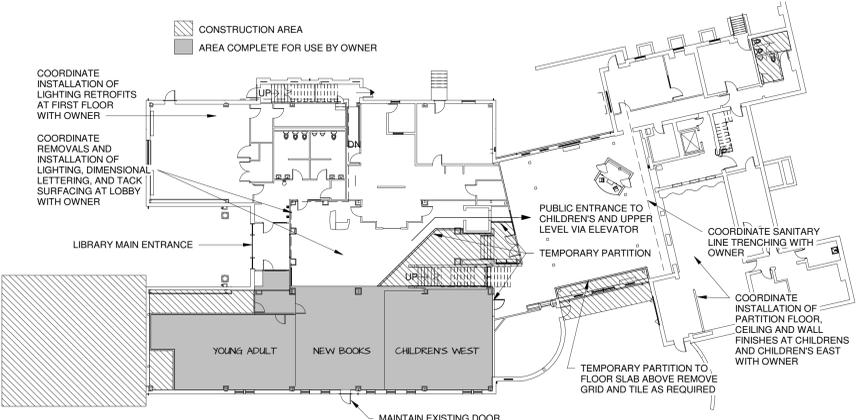
MATERIAL IMPROVEMENTS DURING THIS PHASE:
 2A. ADDITION
 1 - ROOFING, SIDING, AND MASONRY VENEER
 2 - WINDOWS
 3 - MECHANICAL ELECTRICAL PLUMBING FIRE PROTECTION: PIPING, DUCTWORK, CONDUIT
 2B. RENOVATION (IN AREAS INDICATED)
 1 - TEMPORARY MEASURES AND PARTITION CONSTRUCTION AND REMOVALS
 2 - PARTITION CONSTRUCTION AND PLATFORM AT COMMONS 200
 3 - INSTALLATION OF SOLAR TUBES AND FLOOR FINISH AT MECHANICAL MEZZANINE 300
 4 - EXTERIOR STOREFRONT AT CHILDRENS AREA
 5 - MECHANICAL FIRE PROTECTION, PLUMBING, ELECTRICAL ROUGH-IN SANITARY LINE TRENCHING AT EXISTING SLAB AT CHILDRENS
 6 - CENTRAL STAIR AND CHILDRENS RAILINGS AND WOOD SCREEN
 7 - CEILING GRID, LIGHTING AND AV INSTALL
 8 - FINISHES: MILLWORK, WALL COVERING, CEILING TILE, CARPET AND TILE, PAINTING
 9 - PUNCHLIST AND CLOSEOUT OF AREAS COMPLETE FOR OWNER OCCUPANCY

OWNER OPERATIONAL NEEDS
 2C. AT THE BEGINNING OF PHASE 2, THE OWNER WILL RELOCATE FURNISHINGS FROM THE CONSTRUCTION AREAS TO BE RENOVATED. THESE AREAS INCLUDE THE COMMONS AREA AT LEVEL 2 AND THE SOUTHERN PORTION OF CHILDRENS. THE CURRENT MAIN ENTRANCE TO THE LIBRARY WILL REMAIN IN OPERATION DURING PHASE 1.
 AT THE BEGINNING OF PHASE 2, THE OWNER WILL GAIN SUBSTANTIAL USE AND OCCUPANCY OF THE YOUNG ADULTS AREA, NEW BOOKS AND CHILDRENS WEST.

CONTRACTOR'S WORK AREA
 2D. THE CONTRACTOR'S WORK AREA IS LIMITED TO SITE AREAS. SEE THE SITE PHASING PLAN, AND INTERIOR AREAS SHOWN IN THE ABOVE DIAGRAM. CONSTRUCT TEMPORARY PARTITIONS TO ENCLOSE THE WORK AND IMPLEMENT DUST CONTROL TO PROTECT THE PUBLIC FROM CONSTRUCTION ACTIVITIES. COORDINATE ANY INCIDENTAL WORK OUTSIDE OF THE WORK AREA WITH THE LIBRARY ADMINISTRATION TO AVOID IMPACTING LIBRARY OPERATIONS. INCIDENTAL WORK INCLUDES, BUT IS NOT LIMITED TO:
 1 - TRENCHING OF SANITARY LINE AT CHILDRENS 150
 2 - INSTALLATION OF PARTITION AT CHILDRENS EAST 150B
 3 - INSTALLATION OF POWER, DATA, FIRE ALARM, FIRE PROTECTION, LIGHTING, AND MECHANICAL AT THE CHILDRENS SUITE OF ROOMS.
 4 - MILLWORK INSTALLATIONS IN CHILDRENS 150 AND CHILDRENS EAST 150B
 5 - WALL COVERING AT HALL 15B
 6 - RENOVATION WORK TO STORAGE 203
 7 - POWER, TECHNOLOGY, LIGHTING, FIRE ALARM, SECURITY AND MILLWORK AT STACKS 201 AND 204
 8 - INSTALLATION OF LIGHTING RETROFITS AT FIRST FLOOR
 9 - REMOVALS AND INSTALLATION OF LIGHTINGS, WALL COVERING AND TACKABLE SURFACING AT LOBBY 111



4 SECOND FLOOR PHASE 2
 3/64" = 1'-0"



3 FIRST FLOOR PHASE 2
 3/64" = 1'-0"

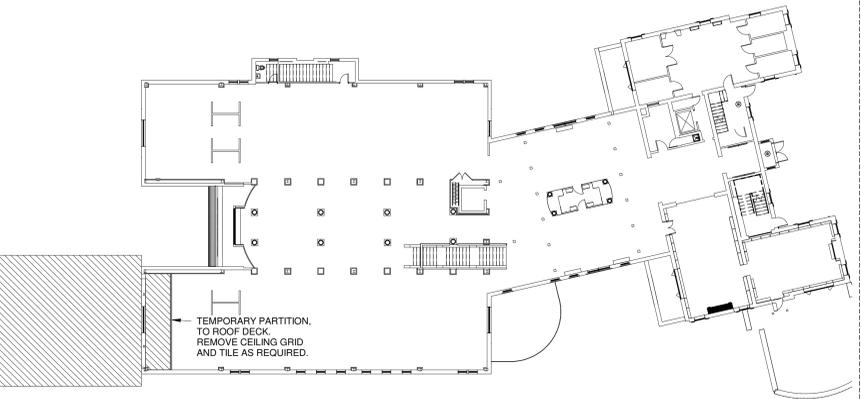
PHASE 2

PHASE 2 DURATION : FOUR MONTHS
 THE FOLLOWING IS A PARTIAL SUMMARY OF CONSTRUCTION ACTIVITIES REQUIRED. REFER TO CONSTRUCTION DOCUMENTS FOR THE COMPLETE SCOPE OF WORK. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS AND SEQUENCE OF CONSTRUCTION IN ORDER TO SATISFY THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.

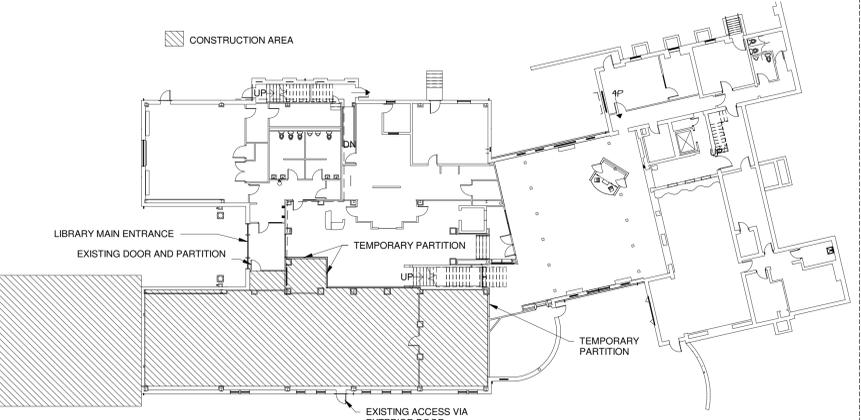
MATERIAL IMPROVEMENTS DURING THIS PHASE:
 2A. ADDITION
 1 - ROOFING, SIDING, AND MASONRY VENEER
 2 - WINDOWS
 3 - MECHANICAL ELECTRICAL PLUMBING FIRE PROTECTION: PIPING, DUCTWORK, CONDUIT
 2B. RENOVATION (IN AREAS INDICATED)
 1 - TEMPORARY MEASURES AND PARTITION CONSTRUCTION AND REMOVALS
 2 - PARTITION CONSTRUCTION AND PLATFORM AT COMMONS 200
 3 - INSTALLATION OF SOLAR TUBES AND FLOOR FINISH AT MECHANICAL MEZZANINE 300
 4 - EXTERIOR STOREFRONT AT CHILDRENS AREA
 5 - MECHANICAL FIRE PROTECTION, PLUMBING, ELECTRICAL ROUGH-IN SANITARY LINE TRENCHING AT EXISTING SLAB AT CHILDRENS
 6 - CENTRAL STAIR AND CHILDRENS RAILINGS AND WOOD SCREEN
 7 - CEILING GRID, LIGHTING AND AV INSTALL
 8 - FINISHES: MILLWORK, WALL COVERING, CEILING TILE, CARPET AND TILE, PAINTING
 9 - PUNCHLIST AND CLOSEOUT OF AREAS COMPLETE FOR OWNER OCCUPANCY

OWNER OPERATIONAL NEEDS
 2C. AT THE BEGINNING OF PHASE 2, THE OWNER WILL RELOCATE FURNISHINGS FROM THE CONSTRUCTION AREAS TO BE RENOVATED. THESE AREAS INCLUDE THE COMMONS AREA AT LEVEL 2 AND THE SOUTHERN PORTION OF CHILDRENS. THE CURRENT MAIN ENTRANCE TO THE LIBRARY WILL REMAIN IN OPERATION DURING PHASE 1.
 AT THE BEGINNING OF PHASE 2, THE OWNER WILL GAIN SUBSTANTIAL USE AND OCCUPANCY OF THE YOUNG ADULTS AREA, NEW BOOKS AND CHILDRENS WEST.

CONTRACTOR'S WORK AREA
 2D. THE CONTRACTOR'S WORK AREA IS LIMITED TO SITE AREAS. SEE THE SITE PHASING PLAN, AND INTERIOR AREAS SHOWN IN THE ABOVE DIAGRAM. CONSTRUCT TEMPORARY PARTITIONS TO ENCLOSE THE WORK AND IMPLEMENT DUST CONTROL TO PROTECT THE PUBLIC FROM CONSTRUCTION ACTIVITIES. COORDINATE ANY INCIDENTAL WORK OUTSIDE OF THE WORK AREA WITH THE LIBRARY ADMINISTRATION TO AVOID IMPACTING LIBRARY OPERATIONS. INCIDENTAL WORK INCLUDES, BUT IS NOT LIMITED TO:
 1 - TRENCHING OF SANITARY LINE AT CHILDRENS 150
 2 - INSTALLATION OF PARTITION AT CHILDRENS EAST 150B
 3 - INSTALLATION OF POWER, DATA, FIRE ALARM, FIRE PROTECTION, LIGHTING, AND MECHANICAL AT THE CHILDRENS SUITE OF ROOMS.
 4 - MILLWORK INSTALLATIONS IN CHILDRENS 150 AND CHILDRENS EAST 150B
 5 - WALL COVERING AT HALL 15B
 6 - RENOVATION WORK TO STORAGE 203
 7 - POWER, TECHNOLOGY, LIGHTING, FIRE ALARM, SECURITY AND MILLWORK AT STACKS 201 AND 204
 8 - INSTALLATION OF LIGHTING RETROFITS AT FIRST FLOOR
 9 - REMOVALS AND INSTALLATION OF LIGHTINGS, WALL COVERING AND TACKABLE SURFACING AT LOBBY 111



2 SECOND FLOOR PHASE 1
 3/64" = 1'-0"



1 FIRST FLOOR PHASE 1
 3/64" = 1'-0"

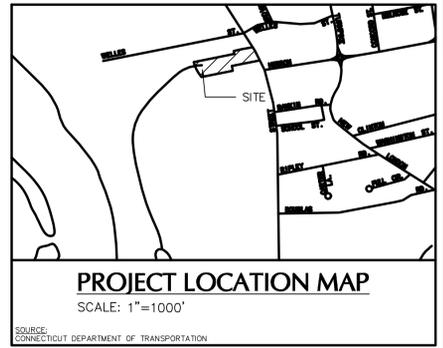
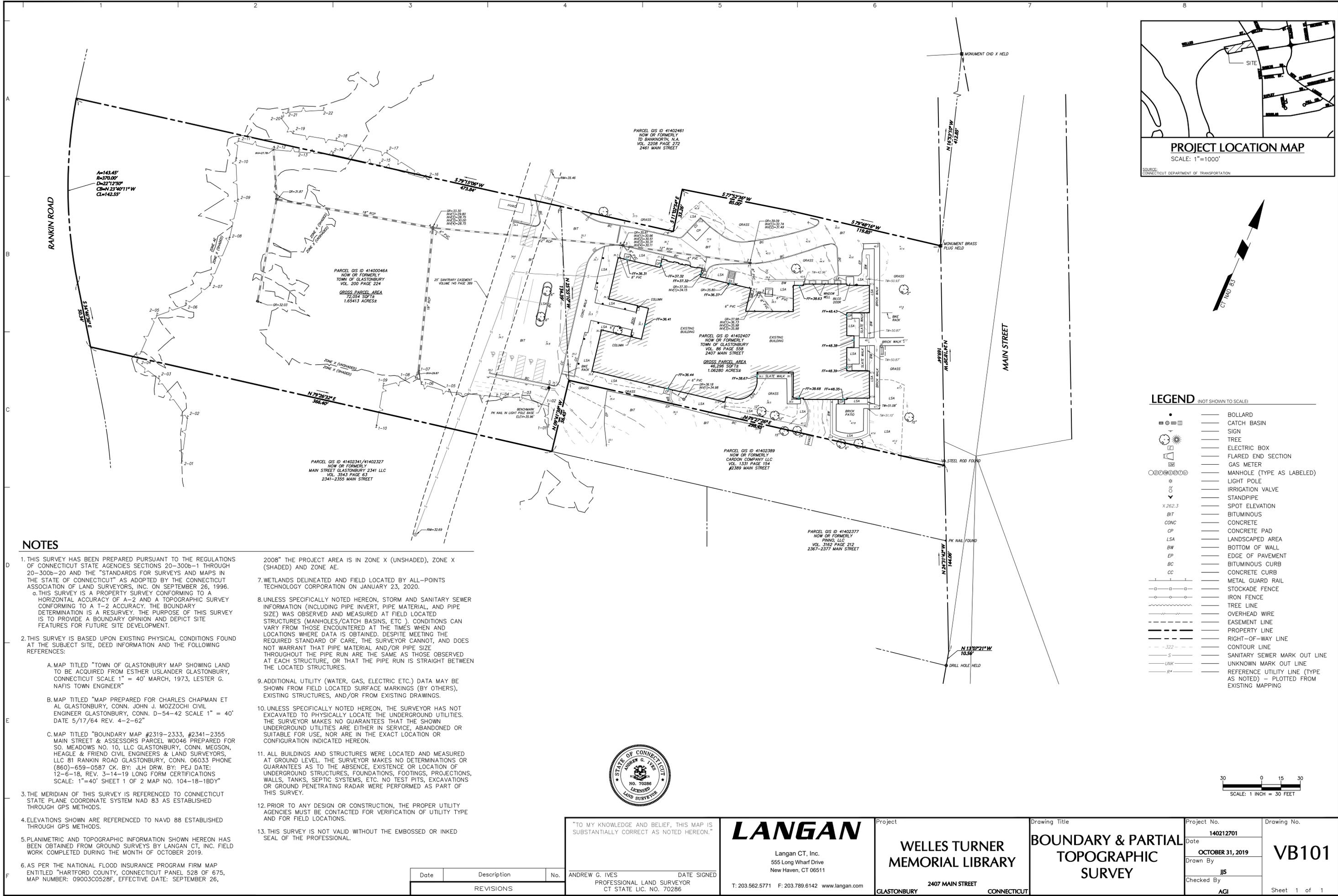
PHASE 1

PHASE 1 DURATION : FOUR MONTHS
 THE FOLLOWING IS A PARTIAL SUMMARY OF CONSTRUCTION ACTIVITIES REQUIRED. REFER TO CONSTRUCTION DOCUMENTS FOR THE COMPLETE SCOPE OF WORK. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS AND SEQUENCE OF CONSTRUCTION IN ORDER TO SATISFY THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.

MATERIAL IMPROVEMENTS DURING THIS PHASE:
 1A. ADDITION
 1 - EXCAVATION, DEWATERING, STRUCTURAL FILL AND CRUSHED STONE, COMPACTION
 2 - BELOW GRADE UTILITIES, FILL, COMPACTION
 3 - VAPOR RETARDER, INSULATION, REINFORCEMENT AND CONCRETE PLACEMENT.
 4 - STEEL FRAME ERECTION, ELEVATED SLAB CONCRETE, ROOF DECKING INSTALL.
 5 - COLD FORMED METAL FRAMING
 1B. RENOVATION (IN AREAS INDICATED)
 1 - TEMPORARY MEASURES AND PARTITION CONSTRUCTION AND REMOVALS
 2 - PARTITION CONSTRUCTION
 3 - MECHANICAL, FIRE PROTECTION, PLUMBING, ELECTRICAL ROUGH-IN
 4 - ACCESS FLOORING
 5 - CEILING GRID AND LIGHTING INSTALL
 6 - FINISHES: MILLWORK, WALL COVERING, CEILING TILE, CARPETING, PAINTING
 7 - PUNCHLIST AND CLOSE OUT OF AREAS COMPLETE FOR OWNER OCCUPANCY

OWNER OPERATIONAL NEEDS
 1C. PRIOR TO PHASE 1, THE OWNER WILL RELOCATE FURNISHINGS FROM THE CONSTRUCTION AREAS TO BE RENOVATED. THESE AREAS INCLUDE PORTIONS OF THE LOBBY, AND THE YOUNG ADULTS SECTION. THE CURRENT MAIN ENTRANCE TO THE LIBRARY WILL REMAIN IN OPERATION DURING PHASE 1.

CONTRACTOR'S WORK AREA
 1D. THE CONTRACTOR'S WORK AREA IS LIMITED TO SITE AREAS. SEE THE SITE PHASING PLAN, AND INTERIOR AREAS SHOWN IN THE ABOVE DIAGRAM. CONSTRUCT TEMPORARY PARTITIONS TO ENCLOSE THE WORK AND IMPLEMENT DUST CONTROL TO PROTECT THE PUBLIC FROM CONSTRUCTION ACTIVITIES. COORDINATE ANY INCIDENTAL WORK OUTSIDE OF THE WORK AREA WITH THE LIBRARY ADMINISTRATION TO AVOID IMPACTING LIBRARY OPERATIONS.



LEGEND (NOT SHOWN TO SCALE)

	BOLLARD
	CATCH BASIN
	SIGN
	TREE
	ELECTRIC BOX
	FLARED END SECTION
	GAS METER
	MANHOLE (TYPE AS LABELED)
	LIGHT POLE
	IRRIGATION VALVE
	STANDPIPE
	SPOT ELEVATION
	BITUMINOUS
	CONCRETE
	CONCRETE PAD
	LANDSCAPED AREA
	BOTTOM OF WALL
	EDGE OF PAVEMENT
	BITUMINOUS CURB
	CONCRETE CURB
	METAL GUARD RAIL
	STOCKADE FENCE
	IRON FENCE
	TREE LINE
	OVERHEAD WIRE
	EASEMENT LINE
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	CONTOUR LINE
	SANITARY SEWER MARK OUT LINE
	UNKNOWN MARK OUT LINE
	REFERENCE UTILITY LINE (TYPE AS NOTED) - PLOTTED FROM EXISTING MAPPING

NOTES

- THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
 - THIS SURVEY IS A PROPERTY SURVEY CONFORMING TO A HORIZONTAL ACCURACY OF A-2 AND A TOPOGRAPHIC SURVEY CONFORMING TO A T-2 ACCURACY. THE BOUNDARY DETERMINATION IS A RESURVEY. THE PURPOSE OF THIS SURVEY IS TO PROVIDE A BOUNDARY OPINION AND DEPICT SITE FEATURES FOR FUTURE SITE DEVELOPMENT.
- THIS SURVEY IS BASED UPON EXISTING PHYSICAL CONDITIONS FOUND AT THE SUBJECT SITE, DEED INFORMATION AND THE FOLLOWING REFERENCES:
 - MAP TITLED "TOWN OF GLASTONBURY MAP SHOWING LAND TO BE ACQUIRED FROM ESTHER USLANDER GLASTONBURY, CONNECTICUT SCALE 1" = 40' MARCH, 1973, LESTER G. NAFIS TOWN ENGINEER"
 - MAP TITLED "MAP PREPARED FOR CHARLES CHAPMAN ET AL GLASTONBURY, CONN. JOHN J. MOZZOCHI CIVIL ENGINEER GLASTONBURY, CONN. D-54-42 SCALE 1" = 40' DATE 5/17/64 REV. 4-2-62"
 - MAP TITLED "BOUNDARY MAP #2319-2333, #2341-2355 MAIN STREET & ASSESSORS PARCEL W0046 PREPARED FOR SO. MEADOWS NO. 10, LLC GLASTONBURY, CONN. MESSON, HEAGLE & FRIEND CIVIL ENGINEERS & LAND SURVEYORS, LLC 81 RANKIN ROAD GLASTONBURY, CONN. 06033 PHONE (860)-659-0587 CK. BY: JLH DRW. BY: PEJ DATE: 12-6-18, REV. 3-14-19 LONG FORM CERTIFICATIONS SCALE: 1"=40' SHEET 1 OF 2 MAP NO. 104-18-1BDY"
- THE MERIDIAN OF THIS SURVEY IS REFERENCED TO CONNECTICUT STATE PLANE COORDINATE SYSTEM NAD 83 AS ESTABLISHED THROUGH GPS METHODS.
- ELEVATIONS SHOWN ARE REFERENCED TO NAVD 88 ESTABLISHED THROUGH GPS METHODS.
- PLANIMETRIC AND TOPOGRAPHIC INFORMATION SHOWN HEREON HAS BEEN OBTAINED FROM GROUND SURVEYS BY LANGAN CT, INC. FIELD WORK COMPLETED DURING THE MONTH OF OCTOBER 2019.
- AS PER THE NATIONAL FLOOD INSURANCE PROGRAM FIRM MAP ENTITLED "HARTFORD COUNTY, CONNECTICUT PANEL 528 OF 675, MAP NUMBER: 09003C0528F, EFFECTIVE DATE: SEPTEMBER 26,

- 2008" THE PROJECT AREA IS IN ZONE X (UNSHADED), ZONE X (SHADED) AND ZONE AE.
- WETLANDS DELINEATED AND FIELD LOCATED BY ALL-POINTS TECHNOLOGY CORPORATION ON JANUARY 23, 2020.
- UNLESS SPECIFICALLY NOTED HEREON, STORM AND SANITARY SEWER INFORMATION (INCLUDING PIPE INVERT, PIPE MATERIAL, AND PIPE SIZE) WAS OBSERVED AND MEASURED AT FIELD LOCATED STRUCTURES (MANHOLES/CATCH BASINS, ETC.). CONDITIONS CAN VARY FROM THOSE ENCOUNTERED AT THE TIMES WHEN AND LOCATIONS WHERE DATA IS OBTAINED. DESPITE MEETING THE REQUIRED STANDARD OF CARE, THE SURVEYOR CANNOT, AND DOES NOT WARRANT THAT PIPE MATERIAL AND/OR PIPE SIZE THROUGHOUT THE PIPE RUN ARE THE SAME AS THOSE OBSERVED AT EACH STRUCTURE, OR THAT THE PIPE RUN IS STRAIGHT BETWEEN THE LOCATED STRUCTURES.
- ADDITIONAL UTILITY (WATER, GAS, ELECTRIC ETC.) DATA MAY BE SHOWN FROM FIELD LOCATED SURFACE MARKINGS (BY OTHERS), EXISTING STRUCTURES, AND/OR FROM EXISTING DRAWINGS.
- UNLESS SPECIFICALLY NOTED HEREON, THE SURVEYOR HAS NOT EXCAVATED TO PHYSICALLY LOCATE THE UNDERGROUND UTILITIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE SHOWN UNDERGROUND UTILITIES ARE EITHER IN SERVICE, ABANDONED OR SUITABLE FOR USE, NOR ARE IN THE EXACT LOCATION OR CONFIGURATION INDICATED HEREON.
- ALL BUILDINGS AND STRUCTURES WERE LOCATED AND MEASURED AT GROUND LEVEL. THE SURVEYOR MAKES NO DETERMINATIONS OR GUARANTEES AS TO THE ABSENCE, EXISTENCE OR LOCATION OF UNDERGROUND STRUCTURES, FOUNDATIONS, FOOTINGS, PROJECTIONS, WALLS, TANKS, SEPTIC SYSTEMS, ETC. NO TEST PITS, EXCAVATIONS OR GROUND PENETRATING RADAR WERE PERFORMED AS PART OF THIS SURVEY.
- PRIOR TO ANY DESIGN OR CONSTRUCTION, THE PROPER UTILITY AGENCIES MUST BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS.
- THIS SURVEY IS NOT VALID WITHOUT THE EMBOSSED OR INKED SEAL OF THE PROFESSIONAL.



"TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."

LANGAN

Langan CT, Inc.
555 Long Wharf Drive
New Haven, CT 06511

T: 203.562.5771 F: 203.789.6142 www.langan.com

Andrew G. Ives DATE SIGNED
PROFESSIONAL LAND SURVEYOR
CT STATE LIC. NO. 70286

Project
WELLES TURNER MEMORIAL LIBRARY
2407 MAIN STREET
GLASTONBURY CONNECTICUT

Drawing Title
BOUNDARY & PARTIAL TOPOGRAPHIC SURVEY

Project No.
140212701

Date
OCTOBER 31, 2019

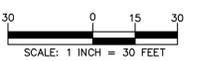
Drawn By
JJS

Checked By
AGI

Drawing No.
VB101

Sheet 1 of 1

Date	Description	No.
REVISIONS		



GENERAL NOTES

- EXISTING INFORMATION OBTAINED FROM A MAP ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY", WELLES TURNER MEMORIAL LIBRARY, DATED OCTOBER 9, 2019, AND PREPARED BY LANGAN.
- WETLANDS WERE DELINEATED AND FIELD LOCATED ON JANUARY 23, 2020 BY ALL-POINTS TECHNOLOGY.
- ACCORDING TO THE "FLOOD INSURANCE RATE MAP" PRODUCED BY FEMA FOR HARTFORD COUNTY, CONNECTICUT, MAP NUMBER 09003C0528F, EFFECTIVE SEPTEMBER 26, 2008, THE SITE IS IN ZONE X UNSHADED, AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL FLOOD.
- BUILDING FOOTPRINT RECEIVED ELECTRONICALLY FROM TSKP ARCHITECTS IN OCTOBER 2019.

LEGEND



tskpsstudio.com
TSKP STUDIO
 One Hartford Square West
 146 Wyllys Street, Bldg 1-203
 Hartford, CT 06106
 860.547.1970
 ARCHITECTURE | PLANNING | INTERIORS

LANGAN
 Langan CT, Inc.

GLASTONBURY WELLES TURNER LIBRARY
 2407 MAIN ST, GLASTONBURY CT 06033



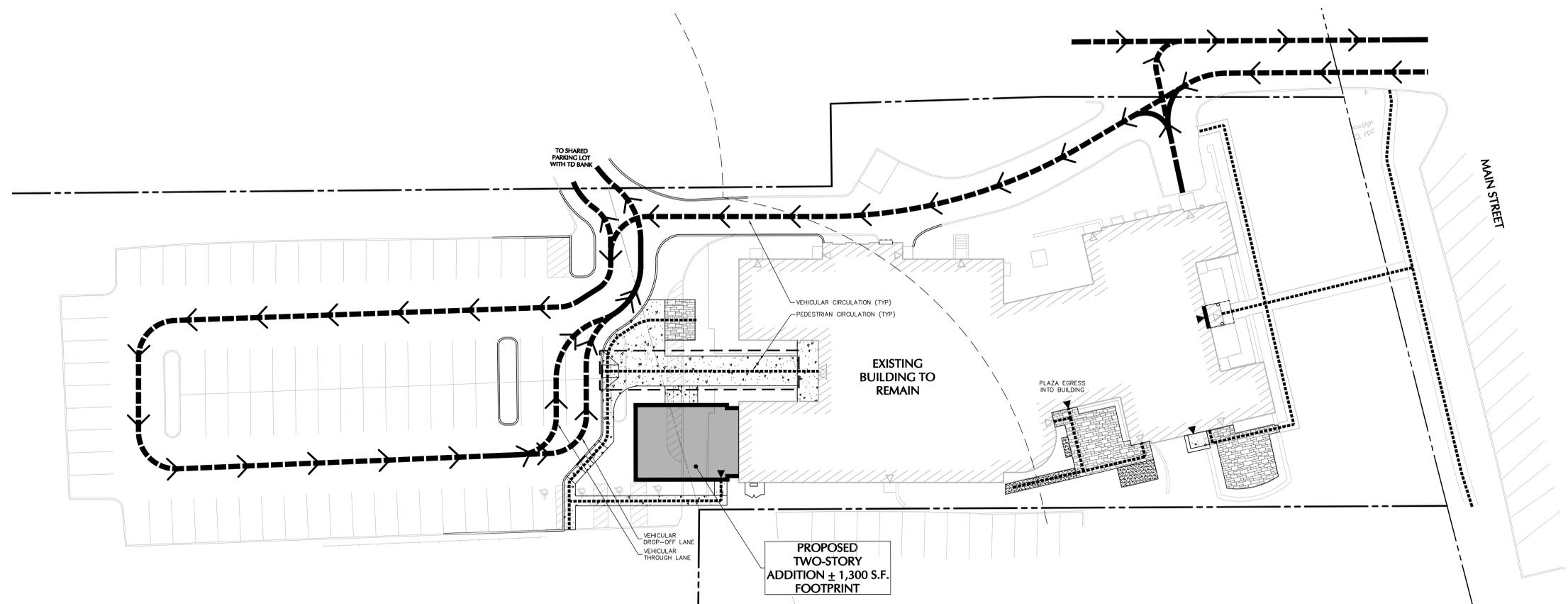
CONSTRUCTION DOCS

DRAWING TITLE
 SITE CIRCULATION PLAN

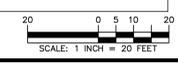
STATE PROJ. NO.	
PROJ. NO.	140212701
SCALE	1"=20'
DATE	6.1.2020
DRAWN BY	KMS
APPROVED BY	KEG

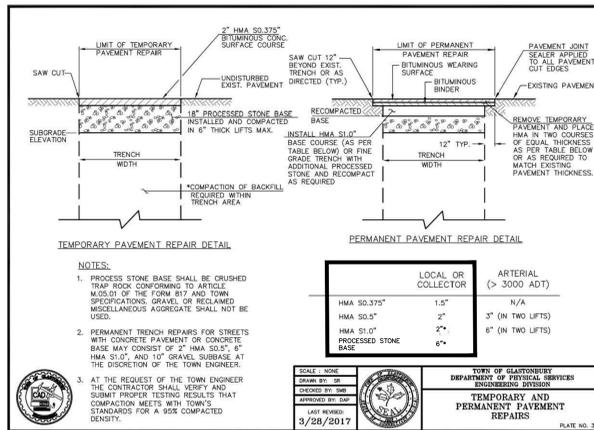
ISSUE DATES		
NO.	DATE	PURPOSE

CS100



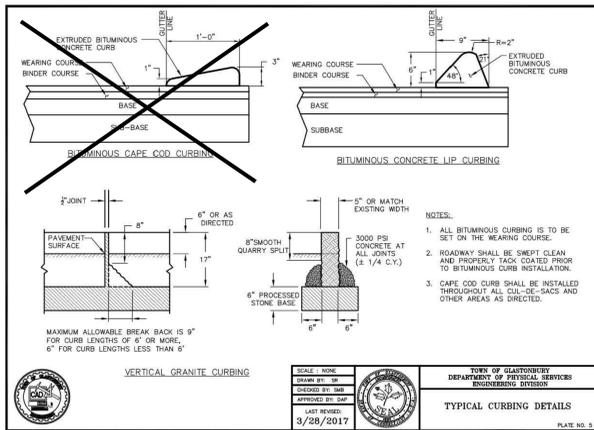
WELLES-TURNER MEMORIAL LIBRARY/TOWN OF GLASTONBURY RESIDENTIAL A ZONE
 PROJECT/APPLICANT
 2407 MAIN STREET
 PROJECT ADDRESS
 12 SPECIAL PERMIT SECTION TPZ CHAIRMAN
 DATE SPECIAL PERMIT APPROVED DIRECTOR OF COMMUNITY DEVELOPMENT
 FILE NUMBER





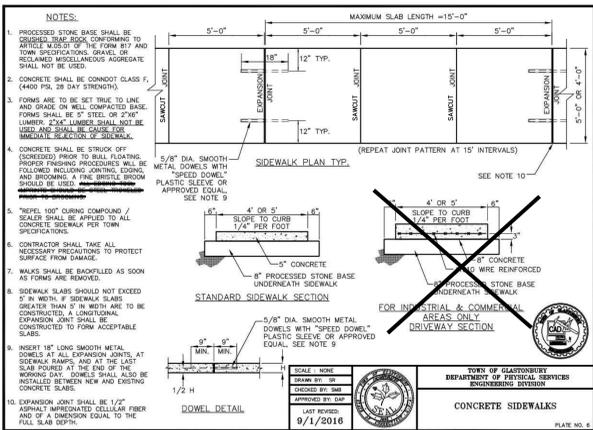
*DIMENSIONS HAVE BEEN REVISED FROM TYPICAL TOWN DETAIL TO MIMIC EXISTING CONDITIONS.

1 PAVEMENT REPAIR
N.T.S. DETAIL PROVIDED BY TOWN OF GLASTONBURY



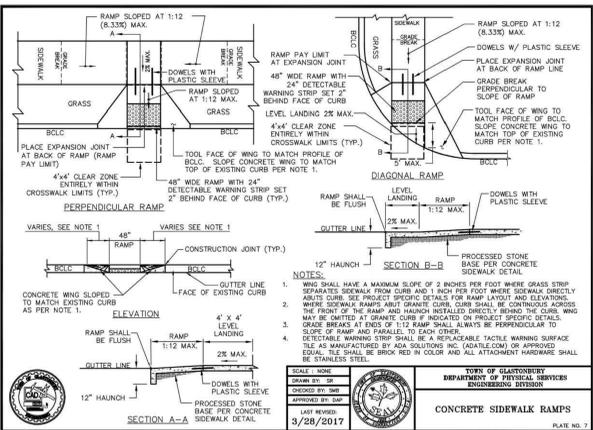
NOTES:
1. GRANITE CURB TO BE INSTALLED IN AREAS ABUTTING CONCRETE. BITUMINOUS CURB TO BE INSTALLED IN ALL OTHER AREAS. SEE SITE PLAN FOR LOCATIONS.
2. FLUSH GRANITE CURB TO HAVE THERMAL TOP AND FULL HEIGHT GRANITE CURB TO HAVE SAWN TOP.
3. FOR STRAIGHT GRANITE CURBING, 80% OF CURBS TO BE MINIMUM 6 FEET LONG AND THE REMAINING 20% SHALL BE A MINIMUM 4 FEET LONG.

2 BITUMINOUS AND GRANITE CURB
N.T.S. DETAIL PROVIDED BY TOWN OF GLASTONBURY



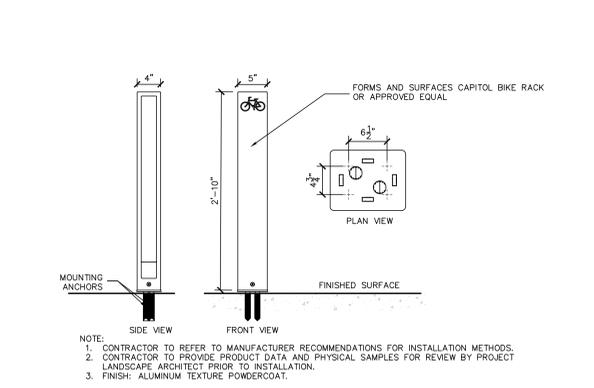
NOTES:
1. ALL CONSTRUCTION JOINTS TO BE SAWCUT.
2. SEE SITE PLAN FOR JOINT LAYOUT.

3 CONCRETE SIDEWALK
N.T.S. DETAIL PROVIDED BY TOWN OF GLASTONBURY



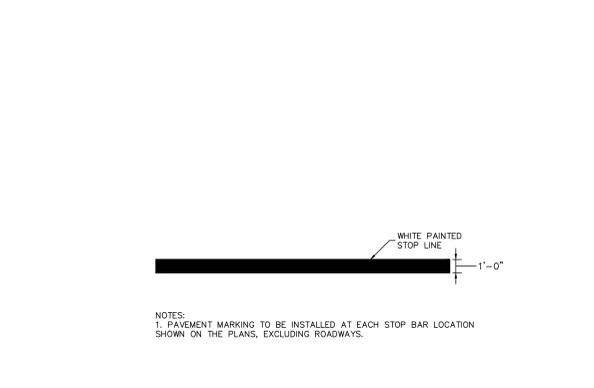
NOTES:
1. WING SHALL HAVE A MAXIMUM SLOPE OF 3 INCHES PER FOOT WHERE GRASS STRIP SEPARATES SIDEWALK FROM CURB AND 1 INCH PER FOOT WHERE SIDEWALK DIRECTLY MEETS CURB. SIDEWALK RAMP SHALL BE CONTINUOUS ACROSS THE FRONT OF THE RAMP AND HANDBAR SHALL ALWAYS BE PERPENDICULAR TO SLOPE OF RAMP AND PARALLEL TO EACH OTHER.
2. SLOPE OF RAMP AND PARALLEL TO EACH OTHER.
3. DETECTABLE WARNING STRIP SHALL BE A REPLACEMENT TACTILE WARNING SURFACE EQUAL TO THAT ACTIVATED BY ADA SIGNATURE (ADULT CON) OR APPROVED EQUAL. TILE SHALL BE BRICK RED IN COLOR AND ALL ATTACHMENT HARDWARE SHALL BE STAINLESS STEEL.

4 SIDEWALK RAMP
N.T.S. DETAIL PROVIDED BY TOWN OF GLASTONBURY



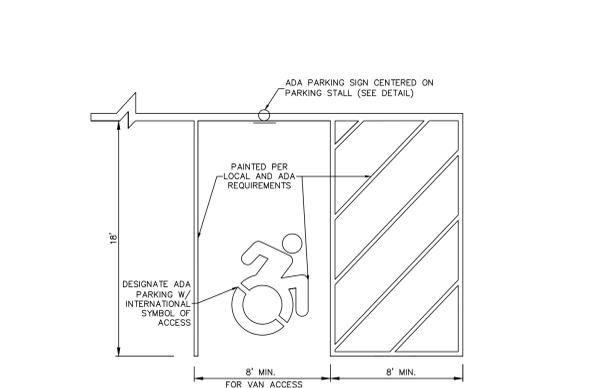
NOTE:
1. CONTRACTOR TO REFER TO MANUFACTURER RECOMMENDATIONS FOR INSTALLATION METHODS.
2. CONTRACTOR TO PROVIDE PRODUCT DATA AND PHYSICAL SAMPLES FOR REVIEW BY PROJECT LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
3. FINISH: ALUMINUM TEXTURE POWDERCOAT.

5 BIKE RACK
N.T.S.



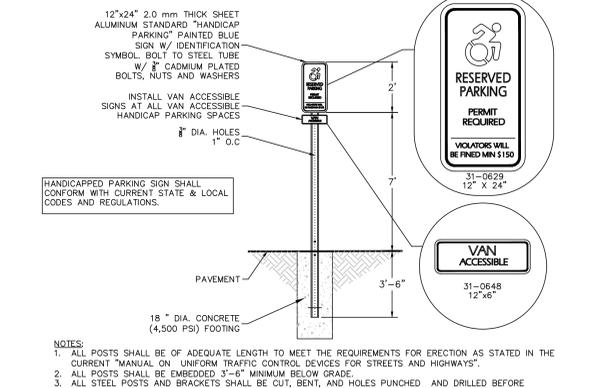
NOTES:
1. PAVEMENT MARKING TO BE INSTALLED AT EACH STOP BAR LOCATION SHOWN ON THE PLANS, EXCLUDING ROADWAYS.

6 STOP BAR
N.T.S.



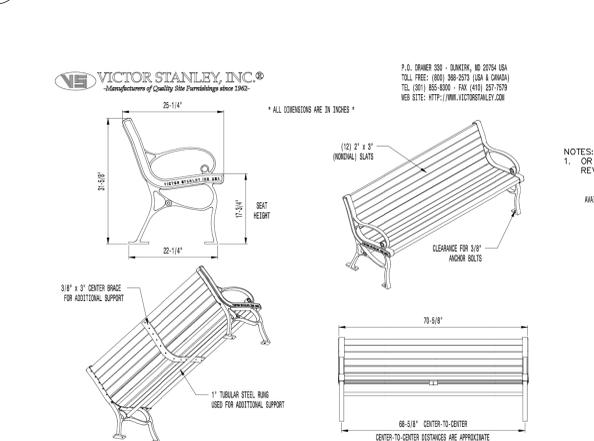
NOTES:
1. ALL PAINT SHALL BE SHERWIN-WILLIAMS "SETFAST" PAINT #TM2160 - WHITE
2. APPLY 2 COATS OF TRAFFIC TYPE PAINT. APPLY THE FIRST COAT NOT LESS THAN 5 DAYS AFTER THE PLACING OF BITUMINOUS PAVEMENT APPLY SECOND COAT JUST PRIOR TO BUILDING OPENING.

7 ACCESSIBLE PARKING STALL STRIPING
N.T.S.



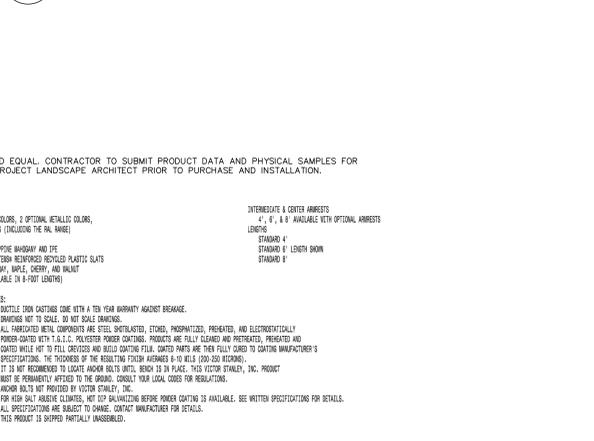
NOTES:
1. ALL POSTS SHALL BE OF ADEQUATE LENGTH TO MEET THE REQUIREMENTS FOR ERECTION AS STATED IN THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
2. ALL POSTS SHALL BE EMBEDDED 3'-4" MINIMUM BELOW GRADE.
3. ALL STEEL POSTS AND BRACKETS SHALL BE CUT, BENT, AND HOLES PUNCHED AND DRILLED BEFORE GALVANIZING. GALVANIZING SHALL BE IN CONFORMANCE WITH CURRENT A.S.T.M. SPECIFICATION A123-78 (OR LATEST REVISED).
4. POSTS SHALL BE BREAKAWAY TYPE II TWO-PIECE U-POST OR OTHER BREAKAWAY STRUCTURAL SUPPORT HARDWARE AS NOTED IN THE LATEST EDITION OF AASHTO'S "SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS".
5. SIGN PANEL SIZES SHALL DETERMINE POST TYPE AND NUMBERS AS SHOWN ON THIS DETAIL AND DIRECTIONAL SIGN SHEET.
6. BOLTS SHALL NOT PROTRUDE MORE THAN 3/4" BEYOND THE NUT WHEN TIGHT SHALL ENCLOSE ALL THREADS IN THE NUT.

8 ADA ACCESSIBLE PARKING SIGN
N.T.S.



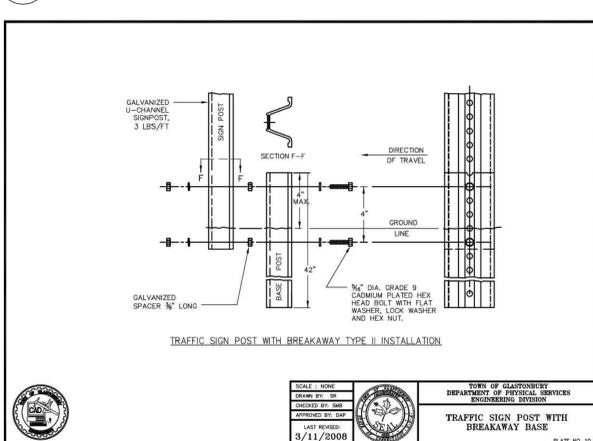
NOTE:
1. ALL DIMENSIONS ARE IN INCHES.
2. ALL DIMENSIONS ARE IN INCHES.
3. ALL DIMENSIONS ARE IN INCHES.

9 BENCH
N.T.S.



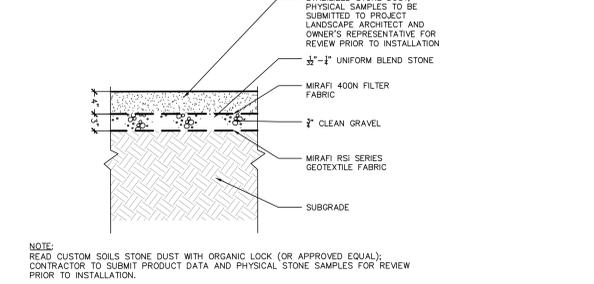
NOTE:
1. BLUE STONE PATIO TO MATCH EXISTING PATIO IN SOUTHEAST CORNER OF BUILDING AS CLOSELY AS POSSIBLE. CONTRACTOR TO SUBMIT PRODUCT DATA AND PHYSICAL SAMPLES FOR REVIEW PRIOR TO INSTALLATION.
2. PROCESSED AGGREGATE BASE TO BE COMPACTED IN 3"-4" LIFTS.
3. SIZE RANGE: BLUESTONE PAVERS TO VARY IN SIZE BETWEEN 10"x10" AND 24"x24" AND SHALL BE SQUARE OR RECTANGULAR IN SHAPE. 45° SAWCUTS AT CORNERS ARE ACCEPTABLE IN CERTAIN LOCATIONS IN ORDER TO MATCH EXISTING ON-SITE AESTHETIC.
4. PATTERN: PAVERS SHALL BE ARRANGED SO THAT THERE ARE NO FOUR-WAY INTERSECTIONS AT ANY POINT.
5. SALVAGED PAVERS AND NEW PAVERS TO BE INTERMIXED IN ORDER TO AVOID DISTINCT VARIATIONS IN COLOR BETWEEN DIFFERENT SECTIONS OF PATIOS.

10 PARKING STALL STRIPING
N.T.S.



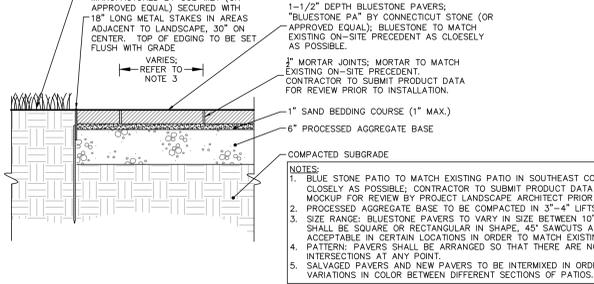
NOTE:
1. ALL DIMENSIONS ARE IN INCHES.
2. ALL DIMENSIONS ARE IN INCHES.

11 SIGN POST
N.T.S. DETAIL PROVIDED BY TOWN OF GLASTONBURY



NOTE:
1. READ CUSTOM SOILS STONE DUST WITH ORGANIC LOCK (OR APPROVED EQUAL). CONTRACTOR TO SUBMIT PRODUCT DATA AND PHYSICAL STONE SAMPLES FOR REVIEW PRIOR TO INSTALLATION.

12 STABILIZED STONE DUST
N.T.S.



NOTE:
1. BLUE STONE PATIO TO MATCH EXISTING PATIO IN SOUTHEAST CORNER OF BUILDING AS CLOSELY AS POSSIBLE. CONTRACTOR TO SUBMIT PRODUCT DATA AND PHYSICAL SAMPLES FOR REVIEW PRIOR TO INSTALLATION.
2. PROCESSED AGGREGATE BASE TO BE COMPACTED IN 3"-4" LIFTS.
3. SIZE RANGE: BLUESTONE PAVERS TO VARY IN SIZE BETWEEN 10"x10" AND 24"x24" AND SHALL BE SQUARE OR RECTANGULAR IN SHAPE. 45° SAWCUTS AT CORNERS ARE ACCEPTABLE IN CERTAIN LOCATIONS IN ORDER TO MATCH EXISTING ON-SITE AESTHETIC.
4. PATTERN: PAVERS SHALL BE ARRANGED SO THAT THERE ARE NO FOUR-WAY INTERSECTIONS AT ANY POINT.
5. SALVAGED PAVERS AND NEW PAVERS TO BE INTERMIXED IN ORDER TO AVOID DISTINCT VARIATIONS IN COLOR BETWEEN DIFFERENT SECTIONS OF PATIOS.

13 BLUESTONE PAVERS
N.T.S.

STATE PROJ. NO.	
PROJ. NO.	140212701
SCALE	AS NOTED
DATE	6.1.2020
DRAWN BY	KMS
APPROVED BY	KEG

ISSUE DATES

NO.	DATE	PURPOSE

UTILITY NOTES

- GENERAL**
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS IN A MANNER WHICH WILL NOT NEGATIVELY AFFECT ANY EXISTING USERS OF THESE UTILITIES.
 - THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS (WATER, SEWER, GAS, ELECTRIC, TELEPHONE AND CABLE), INVERTS AND CONDITIONS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN ON THE DRAWINGS AND REQUIRING MODIFICATIONS TO THE SITE DESIGN SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE CONSTRUCTION. DEFERRING UTILITY CONDITIONS THAT ARE ENCOUNTERED BY THE CONTRACTOR THAT REQUIRE MODIFICATION OF SITE DESIGN AND THAT ARE NOT BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CORRECT AT HIS SOLE COST.
 - ALL UNDERGROUND UTILITIES MUST BE CLEARLY & PERMANENTLY MARKED WITH UNDERGROUND MARKING TAPE AND AS REQUIRED BY THE APPROPRIATE UTILITY COMPANY.
 - BUILDING UTILITY PENETRATIONS AND LOCATIONS ARE SHOWN FOR THE CONTRACTOR'S INFORMATION. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MEP PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE AND GAS SERVICE, ROOF DRAINS, AND ALL OTHER UTILITIES.
 - CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND TO ENSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE REGULATORY AGENCY AS TO LOCATION OF AND SCHEDULING OF CONNECTIONS TO THEIR FACILITIES.
 - ALL MANHOLE COVERS, GRATINGS, RIMS, AND UTILITY STRUCTURES TO REMAIN SHALL BE ADJUSTED TO PROPOSED ELEVATION.
 - CONTRACTOR TO PROVIDE ALL FITTINGS AND BENDS NECESSARY TO ACCOMPLISH WORK.
 - A MINIMUM EIGHTEEN (18) INCHES VERTICAL CLEARANCE BETWEEN WATER, GAS, ELECTRICAL, AND TELEPHONE LINES AND STORM PIPING SHALL BE PROVIDED.
 - ALL EXISTING PAVEMENT WHERE UTILITY PIPING IS TO BE INSTALLED SHALL BE SAW CUT. AFTER UTILITY INSTALLATION IS COMPLETED, THE CONTRACTOR SHALL INSTALL PERMANENT PAVEMENT REPAIR AS DETAILED ON THE DRAWINGS OR AS REQUIRED BY THE OWNER HAVING JURISDICTION. IN THE EVENT THAT PAVEMENT REPAIR CANNOT BE PROVIDED DUE TO WEATHER CONDITIONS, PROVIDE TEMPORARY PAVEMENT REPAIR UNTIL PERMANENT REPAIR CAN BE PROVIDED.
- SANITARY:**
- THE CONTRACTOR MUST VERIFY THE LOCATION, SIZE, AND SERVICEABILITY OF THE EXISTING SANITARY SEWER MAINS PRIOR TO BEGINNING ANY SITE OR BUILDING CONSTRUCTION.
 - SANITARY LATERAL SHALL MAINTAIN (10' MIN. HORIZONTAL 1.5' VERTICAL MIN) SEPARATION DISTANCE FROM WATER LINES OR ADDITIONAL PROTECTION MEASURES WILL BE REQUIRED WHERE DIRECTED BY THE UTILITY PROVIDERS AND CIVIL ENGINEER.
 - ALL SANITARY SEWER PIPE TO BE PUSH JOINT POLYVINYL CHLORIDE (PVC) SDR-35. ALL JOINTS BETWEEN PVC PIPE SECTIONS AND BETWEEN PIPE AND PRECAST MANHOLES SHALL HAVE WATER-TIGHT RUBBER GASKET CONNECTIONS. ALL PVC PIPES AND FITTINGS SHALL COMPLY WITH ASTM D3034-93. ALL MAINS SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH THE LOW PRESSURE AIR TEST METHOD.
 - ALL SANITARY SEWER UTILITIES SHALL BE INSTALLED ACCORDING TO THE LATEST TOWN OF GLASTONBURY ENGINEERING DIVISION RULES, REGULATIONS, AND SPECIFICATIONS.
 - FOUNDATION DRAINS, SUMP PUMPS, AND/OR ROOF LEADERS SHALL NOT DISCHARGE INTO THE SANITARY SEWER SYSTEM.

GENERAL NOTES

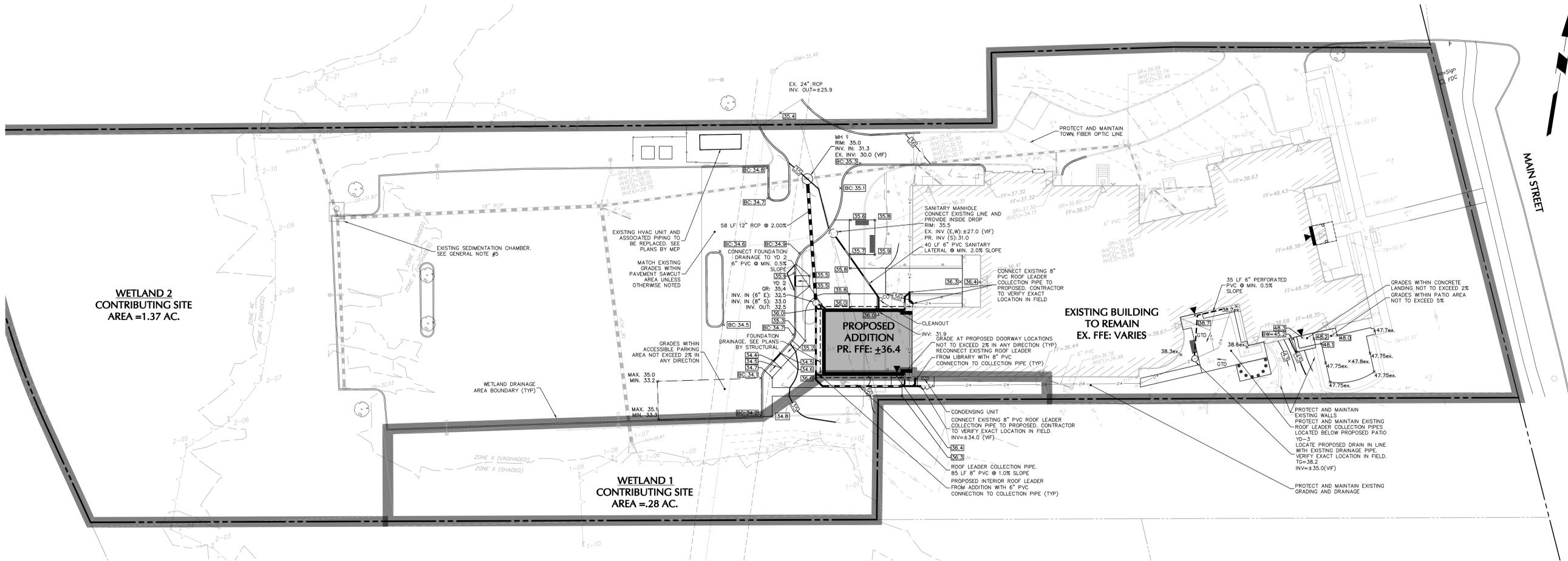
- EXISTING INFORMATION OBTAINED FROM A MAP ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY", WELLES TURNER MEMORIAL LIBRARY, DATED OCTOBER 9, 2019, AND PREPARED BY LANGAN.
- WETLANDS WERE DELINEATED AND FIELD LOCATED ON JANUARY 23, 2020 BY ALL-POINTS TECHNOLOGY.
- ACCORDING TO THE "FLOOD INSURANCE RATE MAP" PRODUCED BY FEMA FOR HARTFORD COUNTY, CONNECTICUT, MAP NUMBER 090302028F, EFFECTIVE SEPTEMBER 26, 2008, THE SITE IS IN ZONE X UNSHADED, AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL FLOOD.
- BUILDING FOOTPRINT RECEIVED ELECTRONICALLY FROM TSKP ARCHITECTS IN JANUARY 2020.
- REFERENCED DRAINAGE ROUTING, AND SEDIMENT CHAMBER INFORMATION OBTAINED FROM A PLANSET ENTITLED "WELLES TURNER MEMORIAL LIBRARY", DATED APRIL 15, 1997, AND PREPARED BY ARBONIES KING VLOCK. PER THE REFERENCED PLANS, THE EXISTING SEDIMENTATION STRUCTURE IS A 7 FT x 9 FT PRECAST CONCRETE CHAMBER WITH BAFFLE.

GRADING & DRAINAGE NOTES

- ALL PROPOSED STORM DRAINAGE PIPING TO UTILIZE WATER-TIGHT JOINTS.
 - LOCATIONS AND ELEVATIONS OF ROOF LEADERS SHOULD BE COORDINATED WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
 - CLEANOUTS SHALL BE PROVIDED FLUSH TO GRADE AT ALL LOCATIONS OF ROOF DRAIN INTERSECTIONS, BENDS AND UPSTREAM ENDS.
 - ALL REQUIRED STORM LATERALS SERVING THE BUILDING SHALL BE COORDINATED AND CONSTRUCTED TO WITHIN FIVE FEET OF EACH BUILDING LATERAL ENTRANCE LOCATION AT THE INVERTS NOTED. ANY NECESSARY EXTENSIONS, RELOCATIONS, OR CORRECTIONS WITHIN FIVE FEET OF THE BUILDING NECESSARY TO COMPLETE CONNECTION OF LATERALS TO THE BUILDINGS SHALL BE MADE BY THE BUILDING CONTRACTOR.
 - CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE APPROPRIATE SIZES OF THE DRAINAGE STRUCTURE TO RECEIVE PIPING SHOWN.
 - STORM DRAINAGE PIPING INSTALLATION SHALL COMMENCE AT THE FURTHEST DOWNSTREAM POINT AND PROCEED UPSTREAM "IN THE DRY".
- ABBREVIATIONS: RCP=REINFORCED CONCRETE PIPE
 HDPE=HIGH DENSITY POLYETHYLENE PIPE
 CCB=CURBED CATCH BASIN
 CCB=CURBLESS CATCH BASIN
 MH=MANHOLE
 YD=YARD DRAIN
 WQI=WATER QUALITY UNIT

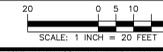
LEGEND

	EXISTING	PROPOSED
PROPERTY LINE	---	---
BUILDING	▭	▭
STORM MANHOLE	○	●
STORM LINE	---	---
REFERENCED STORM LINE	---	---
CATCH BASIN	▭	▭
YARD DRAIN	▭	▭
MAJOR CONTOUR	---.33	---.35
MINOR CONTOUR	---.35	---.32
SPOT ELEVATION	x 36.4	x 35.7
GRADE TO DRAIN	---	---
SANITARY LINE	---	---
SANITARY MANHOLE	○	○
DOMESTIC WATER LINE	---	---



ALL UTILITIES NOT SHOWN ON THIS PLAN FOR THE PROPOSED ADDITION WILL BE FED FROM THE EXISTING BUILDING. SEE PLANS BY MEP.

WELLES-TURNER MEMORIAL LIBRARY/TOWN OF GLASTONBURY RESIDENTIAL A ZONE
 PROJECT/APPLICANT
 2407 MAIN STREET
 PROJECT ADDRESS
 12 SPECIAL PERMIT SECTION TPZ CHAIRMAN
 DATE SPECIAL PERMIT APPROVED DIRECTOR OF COMMUNITY DEVELOPMENT
 FILE NUMBER



TSKP STUDIO
 One Hartford Square West
 146 Wyllys Street, Bldg 1-203
 Hartford, CT 06106
 860.547.1970
 ARCHITECTURE | PLANNING | INTERIORS

LANGAN
 Langan CT, Inc.

GLASTONBURY WELLES TURNER LIBRARY
 2407 MAIN ST, GLASTONBURY CT 06033



CONSTRUCTION DOCS

DRAWING TITLE
 GRADING, DRAINAGE,
 AND SITE UTILITY PLAN

STATE PROJ. NO.
 PROJ. NO. 140212701
 SCALE 1"=20'
 DATE 6.1.2020
 DRAWN BY AG
 APPROVED BY KEG

ISSUE DATES

NO.	DATE	PURPOSE

CG101

LAND COVER ANALYSIS				
CONDITION	IMPERVIOUS AREA [SF]	PERVIOUS AREA [SF]	TOTAL ANALYSIS AREA [SF]	IMPERVIOUSNESS OF ANALYSIS AREA
EXISTING	28,925	8,864	37,789	76.5%
PROPOSED	27,428	10,361	37,789	72.6%

LEGEND	
PERVIOUS	
IMPERVIOUS	
LIMIT OF ANALYSIS	

tskpsstudio.com
TSKP STUDIO
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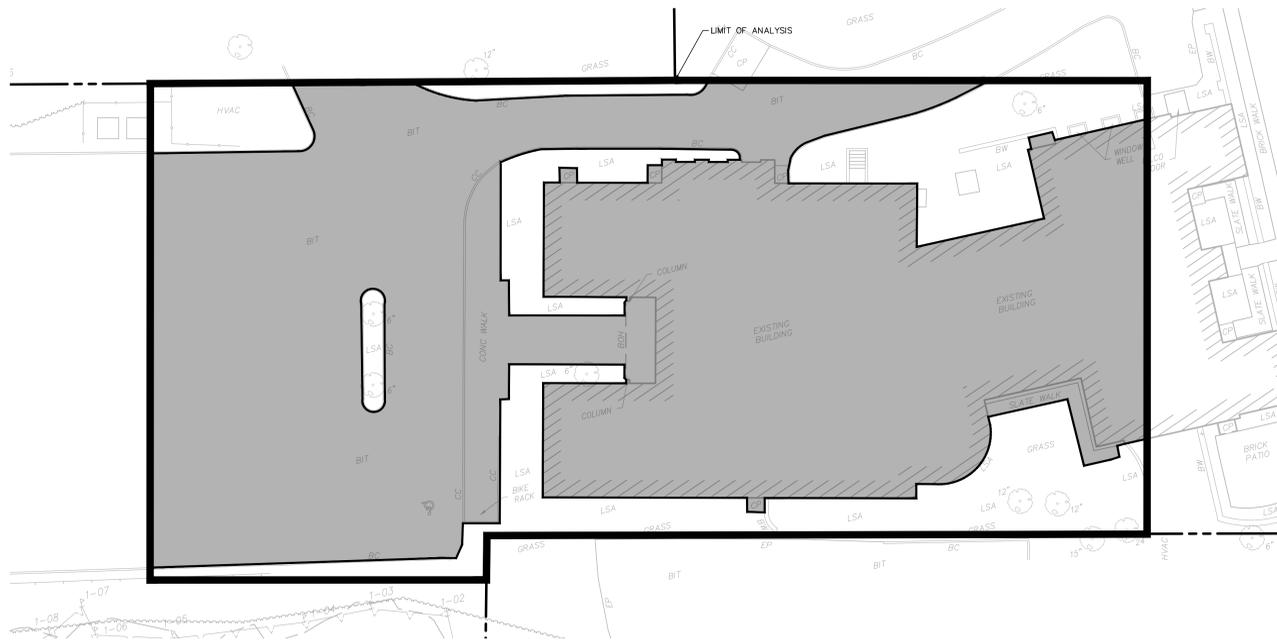
CONSTRUCTION DOCS

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 IMPERVIOUS COVERAGE ANALYSIS PLAN

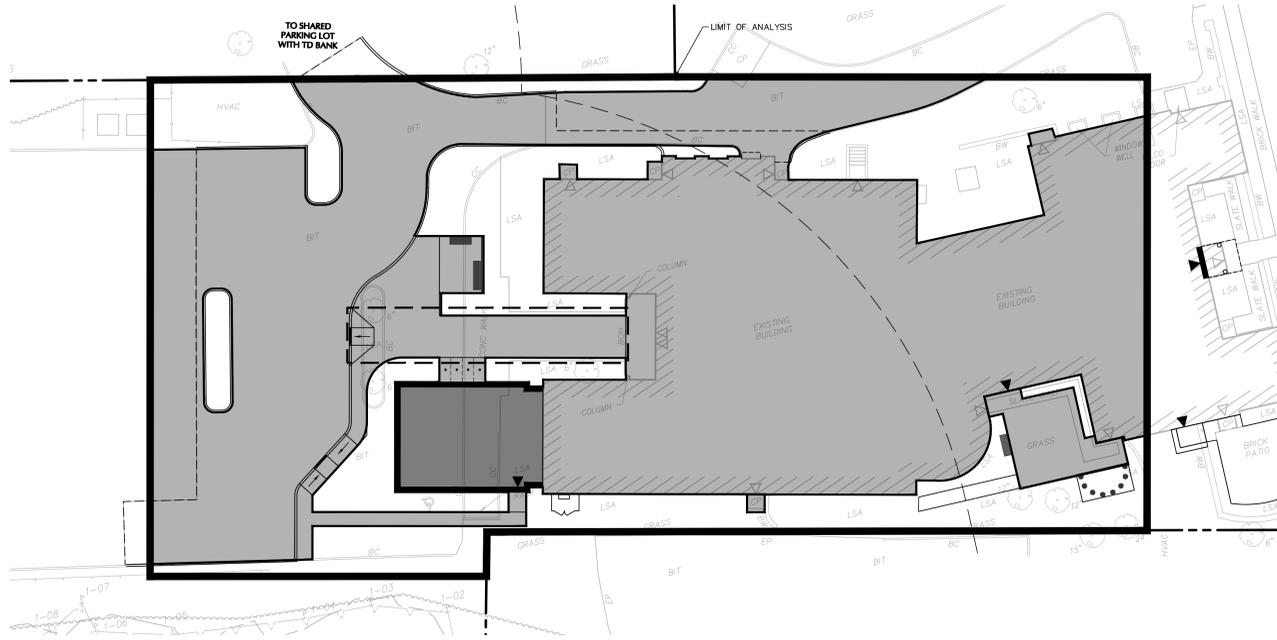
STATE PROJ. NO.
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ISSUE DATES		
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CG701

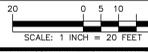


EXISTING LAND COVER



PROPOSED LAND COVER

WELLES-TURNER MEMORIAL LIBRARY/TOWN OF GLASTONBURY RESIDENTIAL A ZONE
 PROJECT/APPLICANT
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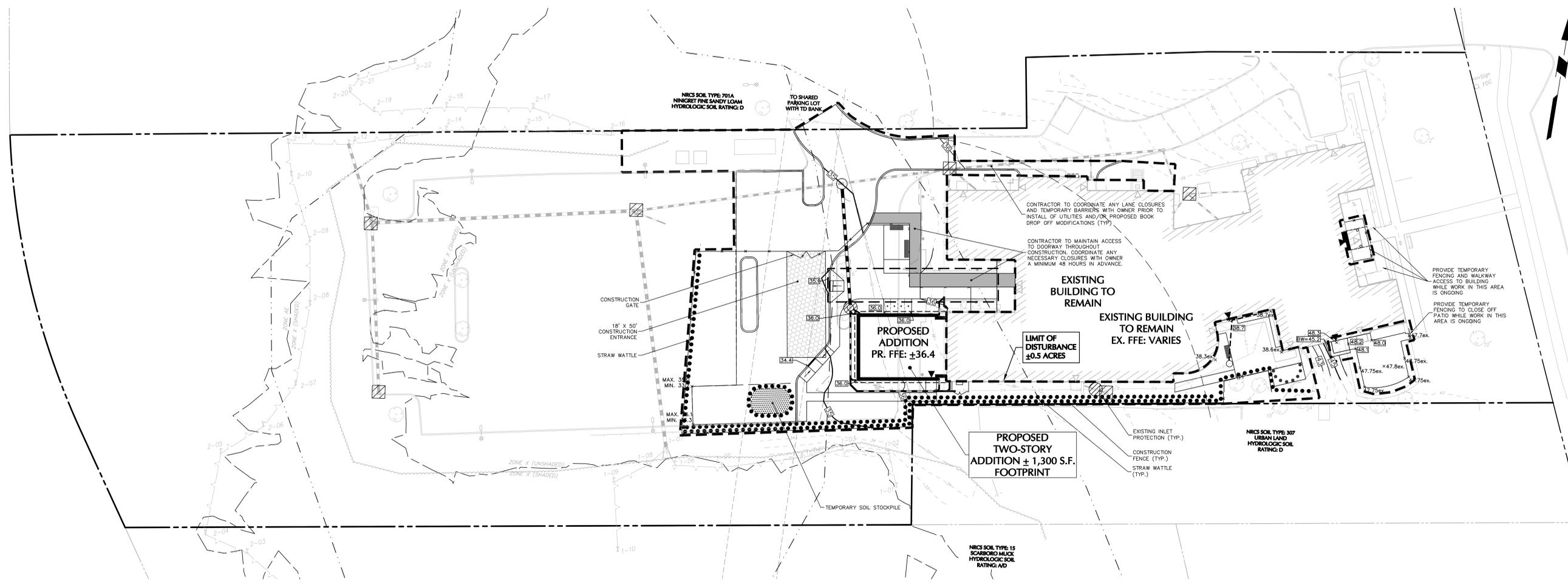
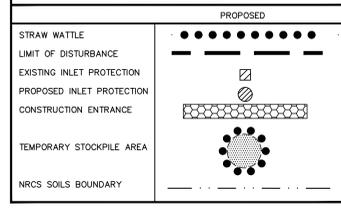
SOIL EROSION-SEDIMENT CONTROL NOTES

- PROPOSED DEVELOPMENT**
- CONSTRUCTION WILL INCLUDE EARTHWORK, CURBING, PAVING, UTILITY INSTALLATION, LANDSCAPING AND BUILDING CONSTRUCTION. ALL DEMOLITION DEBRIS AND SOIL REMOVAL RELATED TO CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL LAWS GOVERNING SUCH ACTIVITIES.
 - THE DETAILED EROSION AND SEDIMENT CONTROL MEASURES ARE SHOWN ON DRAWING CD-01. THE PROPOSED MEASURES HAVE BEEN DESIGNED TO PREVENT THE MIGRATION OF SOIL SEDIMENT FROM THE SITE.
- SOIL EROSION AND SEDIMENT CONTROL NOTES**
- THE SOIL AND SEDIMENT CONTROL PRACTICES MUST BE INSTALLED IN ACCORDANCE WITH THE LOCAL GOVERNING AUTHORITY AND THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION AND THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
 - EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED PRIOR TO START OF DEMOLITION AND CONSTRUCTION AND DISTURBANCE OF SITE CONTRIBUTORY DRAINAGE AREAS. THE OWNER OR ITS CONTRACTOR SHALL INSPECT, REPAIR AND REMOVE ALL SEDIMENT AND EROSION CONTROL DEVICES, AS INDICATED HEREIN. ALL EARTH CHANGES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED IN SUCH A MANNER SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST POSSIBLE PERIOD OF TIME.
 - DISPOSAL OF COLLECTED SEDIMENT SHALL BE MADE TO AREA DESIGNATED BY THE OWNER'S SOIL ENGINEER.
 - FILTER FABRIC/SILT FENCE WILL BE INSTALLED ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
 - ALL TOPSOIL NOT TO BE USED FOR FINAL GRADING/LANDSCAPED AREAS SHALL BE REMOVED FROM THE SITE IMMEDIATELY IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL LAW. ALL TOPSOIL TO BE USED IN LANDSCAPED AREAS SHALL BE STORED/STOCKPILED IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL LAW STANDARDS.
 - ALL AREAS WITHIN 500 FEET OF AN INHABITED DWELLING SHALL BE WETTED AS NECESSARY TO PROVIDE DUST CONTROL.
 - PAVEMENT BASE COURSE MUST BE PLACED IN ALL NEW ROADWAY AREAS UPON COMPLETION OF FINE GRADING.
 - THE CONTRACTOR IS RESPONSIBLE FOR ALL PAVED ROADWAYS, ON AND OFF-SITE, WHICH MUST BE KEPT FREE OF SITE GENERATED SEDIMENT AT ALL TIMES. DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHOD.
 - ALL STORM DRAINAGE OUTLETS MUST BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
 - SILT FENCES AND BARRIERS MUST BE CLEANED OR REPLACED PERIODICALLY TO REMOVE BUILT-UP SILT.
 - SEDIMENT TRAPS MUST BE CLEANED WHEN CAPACITY HAS BEEN REDUCED BY AN AVERAGE OF 2'-0" OVER ITS TOTAL AREA OR TO 70% OF ITS DESIGN VOLUMES, WHICHEVER OCCURS FIRST.
 - ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSPECTED ON A DAILY BASIS AND CLEANED IMMEDIATELY AFTER EACH STORM.
 - ANY TEMPORARY OR PERMANENT FACILITY DESIGNED FOR THE CONVEYANCE OF WATER AROUND, THROUGH, OR FROM THE EARTH CHANGE AREA SHALL BE DESIGNED TO LIMIT THE WATER FLOW TO A NON-EROSIVE VELOCITY.
 - THE CONTRACTOR SHALL CORRECT ANY OMISSIONS, ERRORS, OR FIELD OPERATIONS IMMEDIATELY AND IN ACCORDANCE WITH THE GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
 - ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ANY SUBSEQUENT OWNERS.
- TEMPORARY STABILIZATION**
- SEDIMENT DISPOSAL AREAS AND TOPSOIL STOCKPILES NOT SCHEDULED FOR CONSTRUCTION ACTIVITIES WITHIN THIRTY (30) DAYS OF DISTURBANCE SHALL BE STABILIZED AS FOLLOWS:
- SOIL AMENDMENTS AS NECESSARY.
 - ANNUAL RYE GRASS SEEDING APPLIED AT A RATE OF NOT LESS THAN 1 LB. PER 1,000 SF.
 - MULCH ALL NEWLY SEEDED AREAS WITHIN 80 LBS. OF SALT HAY OR SMALL GRAIN STRAW PER 1,000 SF.
 - WHEN DISTURBED AREAS ARE SCHEDULED FOR IMMEDIATE LANDSCAPING THEY MAY BE MULCHED AND SEEDED FOR ITEM C ABOVE.
- PERMANENT STABILIZATION**
- REFER TO PLANS FOR PERMANENT STABILIZATION METHODS + PROPOSED SEED MIXES.
- PERMANENT VEGETATION IS TO BE SEEDED OR SOODED ON ALL DISTURBED LAND AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADING. MULCH AS NECESSARY FOR SEED PROTECTION AND ESTABLISHMENT. AMONG SOIL AS NEEDED PRIOR TO PERMANENT SEEDING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA AFTER COMPLETION OF AN EARTH CHANGE OR WHEN SIGNIFICANT EARTH CHANGE ACTIVITY CEASES, TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED. ALL DISTURBED AREAS, STOCKPILES OF FILL OR EXCAVATED MATERIAL SHALL BE STABILIZED IN SUCH A MANNER AS NOT TO CAUSE UNREASONABLE HAZARD TO PERSONS OR PROPERTY.
 - MATERIALS SPECIFICATION: LAMN + MEADOW AREAS
 - ANY SOIL HAVING A PH OF FOUR OR LESS CONTAINING IRON SULFIDES SHALL BE COVERED WITH A MINIMUM OF TWELVE INCHES OF SOIL HAVING A PH OF FIVE OR MORE PRIOR TO SEED BED PREPARATION.
 - MULCHING SHALL BE DONE AT THE RATE OF SEVENTY TO NINETY POUNDS (70-90 LBS) PER 1,000 SQUARE FEET WITH UNROTATED SALT HAY.
 - LIQUID MULCH BINDERS MUST BE USED TO ANCHOR SALT HAY, HAY OR STRAY MULCHES.
 - APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND CATCHES THE MULCH IN VALLEYS AND AT GREATED BANKS. REMAINDER OF AREA SHOULD BE UNIFORM IN APPEARANCE.
 - USE ONE OF THE FOLLOWING: SYNTHETIC OR ORGANIC BINDERS. BINDERS SUCH AS CURASOL DCA-70, PETRO SET, TERRA TACH, HYDRO MULCH AND AEROSPRAY MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER OF ANCHOR MULCH MATERIALS. BINDERS CONTAINING PETROLEUM PRODUCTS SHALL NOT BE USED.
 - NOTE: ALL NAMES GIVEN ABOVE ARE REGISTERED TRADE NAMES. THIS DOES NOT CONSTITUTE A RECOMMENDATION OF THESE TO THE EXCLUSION OF OTHER PRODUCTS.
 - FILL MATERIAL SHALL BE FREE FROM DEBRIS, PERISHABLE OR COMBUSTIBLE MATERIAL AND FROZEN OR WET EARTH OR STONES LARGER THAN THREE INCHES IN MAXIMUM DIMENSION.
 - CONSTRUCTION AREAS SHALL BE PERIODICALLY SPRAYED WITH WATER UNTIL THE SURFACE IS WET TO CONTROL THE GENERATION OF DUST.
- SOIL EROSION AND SEDIMENT CONTROL NARRATIVE**
- THE GENERAL CONTRACTOR WILL DESIGNATE PERSONNEL FOR 24 HOUR EMERGENCY RESPONSE IN THE EVENT OF SEVERE WEATHER AND INCREASED POTENTIAL FOR SEVERE EROSION.
 - THE GENERAL CONTRACTOR IS REQUIRED TO MAINTAIN ON SITE OR HAVE THE ABILITY TO RETRIEVE WITHIN 12 HOURS THE FOLLOWING MATERIALS IN THE EVENT THERE ARE DEFICIENCIES IN THE SESC MEASURES.
 - 25% OF THE INSTALLED LENGTH OF SILT FENCE.
 - EQUIVALENT TONNAGE OF STONE FOR STABILIZATION OF 2 STABILIZATION ENTRANCES. STONE COULD BE USED FOR SLOPE REPAIRS, ENERGY DISSIPATER ENHANCEMENTS, ETC.
 - HEAVY EQUIPMENT CAPABLE OF TRENCHING/EXCAVATING LARGE AREAS TO DIVERT AND CONTROL RUNOFF IN A CONTROLLED MANNER.
 - HAVE DESIGNATED A HYDRO-SEED CONTRACTOR CAPABLE OF RESPONDING TO THE SITE WITHIN 12 HOURS.
 - ANY STUMP GRINDINGS OR WOOD CHIPS GENERATED ON-SITE SHOULD BE RETAINED FOR USE TO BACK UP SILT FENCES.

GENERAL NOTES

- EXISTING INFORMATION OBTAINED FROM A MAP ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY", WELLES TURNER MEMORIAL LIBRARY, DATED OCTOBER 9, 2019, AND PREPARED BY LANGAN.
- WETLANDS WERE DELINEATED AND FIELD LOCATED ON JANUARY 23, 2020 BY ALL-POINTS TECHNOLOGY.
- ACCORDING TO THE "FLOOD INSURANCE RATE MAP" PRODUCED BY FEMA FOR HARTFORD COUNTY, CONNECTICUT, MAP NUMBER 09003C028F, EFFECTIVE SEPTEMBER 26, 2008, THE SITE IS IN ZONE X UNSHADED, AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL FLOOD.
- BUILDING FOOTPRINT RECEIVED ELECTRONICALLY FROM TSKP ARCHITECTS IN OCTOBER 2019.

LEGEND



tskpsudio.com
TSKP STUDIO
 One Hartford Square West
 146 Wyllys Street, Bldg 1-203
 Hartford, CT 06106
 860.547.1970
 ARCHITECTURE | PLANNING | INTERIORS

LANGAN
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 2407 MAIN ST, GLASTONBURY CT 06033

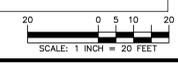
CONSTRUCTION DOCS

DRAWING TITLE
 SOIL EROSION AND SEDIMENT CONTROL PLAN

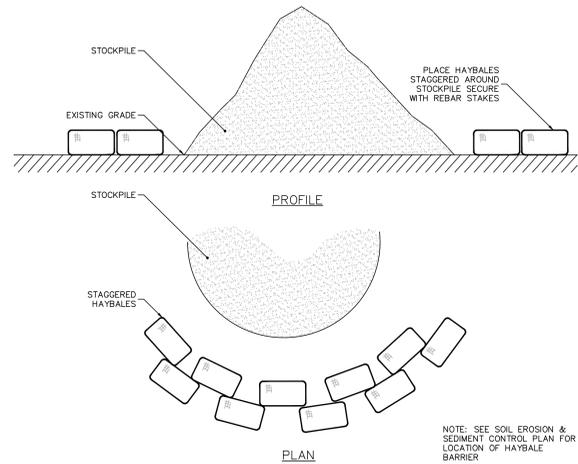
STATE PROJ. NO.	
PROJ. NO.	140212701
SCALE	1"=20'
DATE	6.1.2020
DRAWN BY	KMS
APPROVED BY	KEG

ISSUE DATES		
NO.	DATE	PURPOSE

WELLES-TURNER MEMORIAL LIBRARY/TOWN OF GLASTONBURY RESIDENTIAL A ZONE
 PROJECT/APPLICANT
 2407 MAIN STREET
 PROJECT ADDRESS
 12
 SPECIAL PERMIT SECTION TPZ CHAIRMAN
 DATE SPECIAL PERMIT APPROVED DIRECTOR OF COMMUNITY DEVELOPMENT
 FILE NUMBER

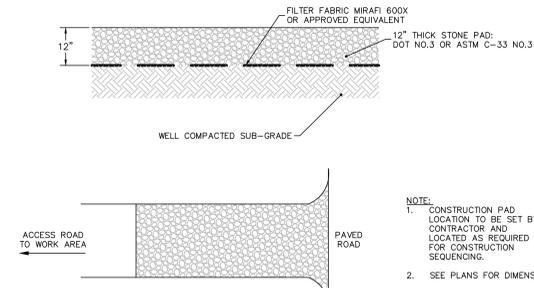


CE101



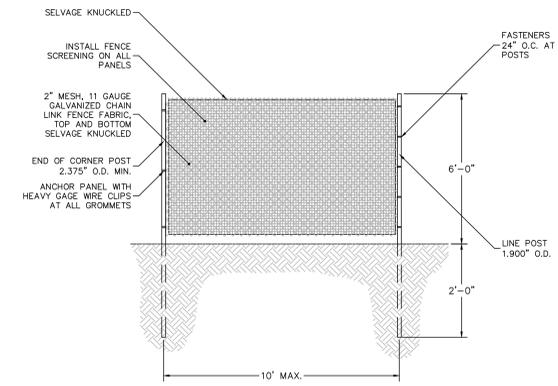
1 TEMPORARY STOCKPILE
N.T.S.

NOTE: SEE SOIL EROSION & SEDIMENT CONTROL PLAN FOR LOCATION OF HAYBALE BARRIER



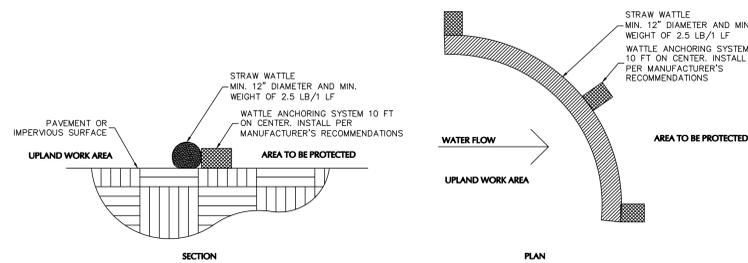
2 CONSTRUCTION ENTRANCE
N.T.S.

NOTE:
1. CONSTRUCTION PAD LOCATION TO BE SET BY CONTRACTOR AND LOCATED AS REQUIRED FOR CONSTRUCTION SEQUENCING.
2. SEE PLANS FOR DIMENSIONS.

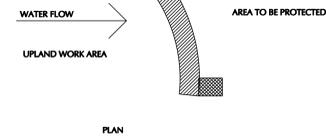


3 TEMPORARY CONSTRUCTION FENCE
N.T.S.

NOTE:
1. PIPE POSTS SHALL BE IMBEDDED INTO THE GROUND. PEDESTAL MOUNTED FENCING WILL ONLY BE ALLOWED AT AREAS APPROVED BY THE PROJECT MANAGER. WHEN ALLOWED, PROVIDE CONCRETE OR GALVANIZED-STEEL BASES FOR SUPPORTING POSTS. PROVIDE REINFORCED SURM SHEETING ON ALL FENCING.

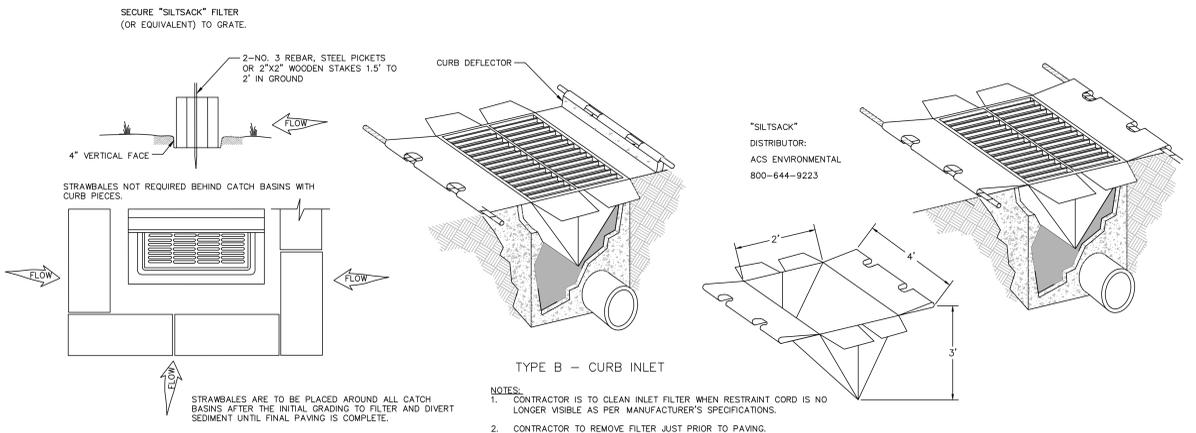
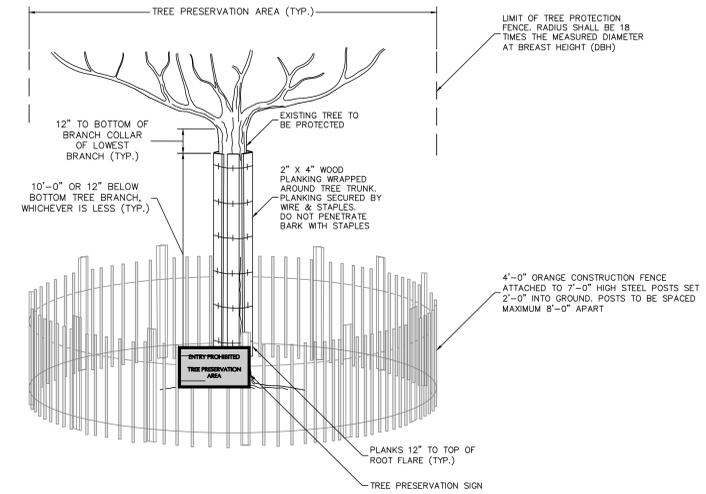


4 STRAW WATTLE
N.T.S.



5 TREE PROTECTION
N.T.S.

NOTES:
1. ALL EXISTING TREES WITHIN THE LIMITS OF TREE PROTECTION FENCING SHALL BE PROTECTED THROUGHOUT THE DURATION OF WORK. THE LIMIT OF TREE PROTECTION FENCE RADIUS SHALL CONFORM WITH THE LIMIT OF THE TREE CANOPY, UNLESS CONDITIONS WARRANT THE FENCE TO BE LOCATED CLOSER TO THE TREE. THE PROJECT LANDSCAPE ARCHITECT TO APPROVE THE LOCATION OF ALL FENCING PRIOR TO EXCAVATION.
2. TREE PROTECTION PLANKING SHALL BE INSTALLED ON ALL EXISTING TREES WHERE WORK IS TO BE DONE WITHIN THE LIMIT OF TREE PROTECTION FENCING. REFER TO DETAIL ON THIS SHEET.
3. IF TREE PROTECTION FENCING NEEDS TO BE MOVED OR BREACHED DUE TO TEMPORARY CONSTRUCTION ACTIVITY WITHIN THE TREE PROTECTION ZONE, THE FENCING WILL BE RESET TO ITS ORIGINAL LOCATION IMMEDIATELY AFTER CONSTRUCTION WITHIN THE TREE PROTECTION ZONE IS COMPLETE.
4. TREE PROTECTION FENCING SHALL BE MAINTAINED TO PROTECT TREES AT ALL TIMES. ANY DAMAGED FENCING SHALL BE IMMEDIATELY REPLACED WHEN DAMAGED.
5. DEMOLITION WORK WITHIN THE TREE PROTECTION FENCE OF PROTECTED TREES SHALL BE PERFORMED BY NON-MECHANICAL METHODS. CONTRACTOR TO PROTECT ROOT MASS AGAINST DAMAGE DURING EXCAVATION. ANY TREE ROOTS THAT ARE DISTURBED, BROKEN, OR CUT SHALL BE PRUNED BACK WITH CLEAN SHARP TOOLS.
6. ALL TEMPORARILY EXPOSED TREE ROOTS SHALL BE COVERED WITH 2 INCHES OF SHREDDED HARDWOOD MULCH AND THOROUGHLY IRRIGATED ON A DAILY BASIS AS DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT.
7. ALL WORK TO BE PERFORMED UNDER THE DIRECT SUPERVISION OF EITHER THE OWNER'S REPRESENTATIVE OR THE PROJECT LANDSCAPE ARCHITECT.



6 INLET PROTECTION
N.T.S.

NOTE:
1. CONTRACTOR IS TO CLEAN INLET FILTER WHEN RESTRAINT CORD IS NO LONGER VISIBLE AS PER MANUFACTURER'S SPECIFICATIONS.
2. CONTRACTOR TO REMOVE FILTER JUST PRIOR TO PAVING.

WELLES-TURNER MEMORIAL LIBRARY/TOWN OF GLASTONBURY	RESIDENTIAL A ZONE
PROJECT/APPLICANT	
2407 MAIN STREET	
PROJECT ADDRESS	
12 SPECIAL PERMIT SECTION	TP2 CHAIRMAN
DATE SPECIAL PERMIT APPROVED	DIRECTOR OF COMMUNITY DEVELOPMENT
FILE NUMBER	

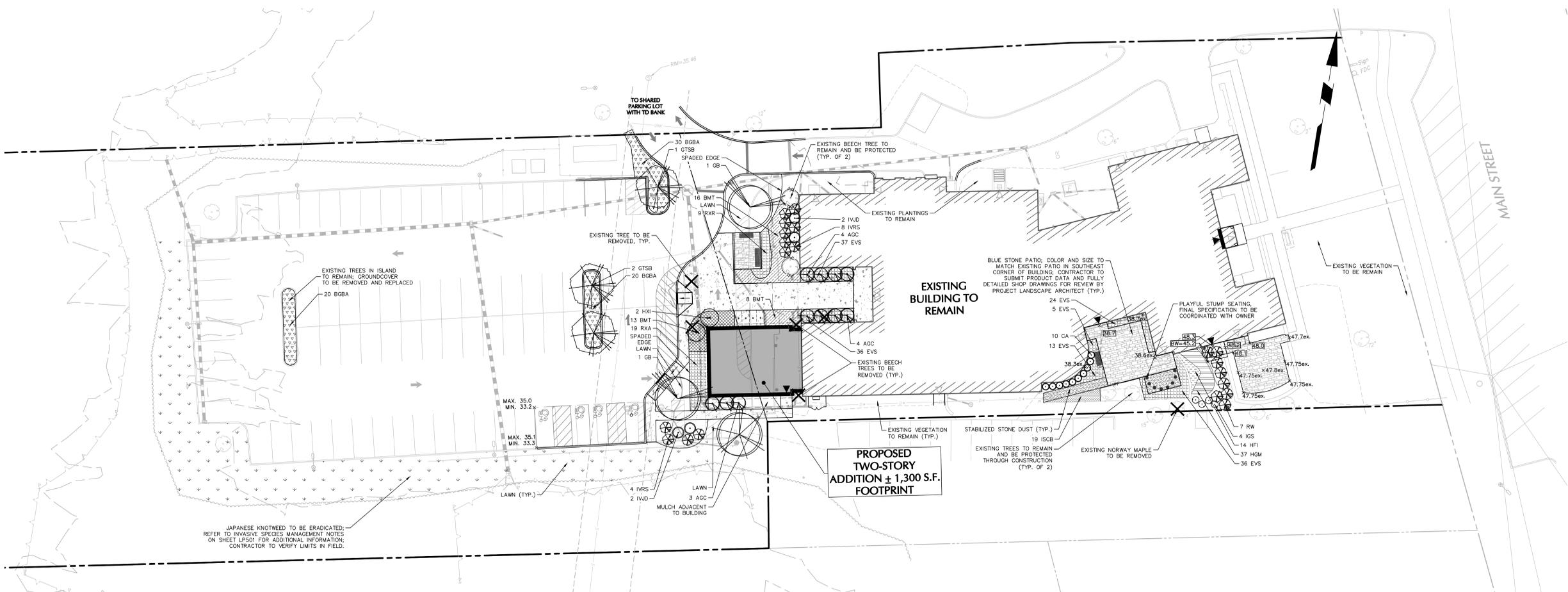
STATE PROJ. NO.	
PROJ. NO.	146212701
SCALE	AS NOTED
DATE	6.1.2020
DRAWN BY	KMS
APPROVED BY	KEG

ISSUE DATES		
NO.	DATE	PURPOSE

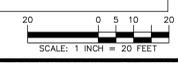
PLANT SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
SHADE TREE(S)						
GB	2	GINKGO BILOBA	MAIDENHAIR TREE GINKO	3-3 1/2" CAL	B+B	MALE SPECIES ONLY
GTSB	3	GLEDITSIA TRIACANTHOS INERMIS 'SUNBURST'	SUNBURST HONEY LOCUST	3-3 1/2" CAL	B+B	-
NS	1	NYSSA SYLVATICA 'WILDFIRE'	WILDFIRE SOURGUM	3-3 1/2" CAL	B+B	-
ORNAMENTAL TREE(S)						
ACC	11	AMELANCHIER ALNIFOLIA 'GEBLISK'	'STANDING OVATION' SERVICEBERRY	10-12"	B&B	-
EVERGREEN SHRUB(S)						
BMT	37	BUXUS MICROPHYLLA 'TIDE HILL'	TIDE HILL BOXWOOD	24-30"	CONTAINER	-
IGS	4	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	24-30"	CONTAINER	-
RXA	19	ROSA X AMBER	AMBER FLOWER CARPET ROSE	2 GAL.	CONTAINER	spaced @ 40" o.c.
RXR	9	ROSA X RED	RED FLOWER CARPET ROSE	2 GAL.	CONTAINER	spaced @ 40" o.c.
DECIDUOUS SHRUB(S)						
CA	10	CLETHRA ALNIFOLIA 'RUBY SPICE'	SUMMERSWEET CLETHRA	24-30"	CONTAINER	-
HXJ	2	HAMAMELIS X INTERMEDIA 'ARNOLD PROMISE'	ARNOLD WITCHHAZEL	30-36"	CONTAINER	-
IVJD	4	ILEX VERTICILLATA 'JIM DANDY'	MALE POLLINATOR WINTERBERRY HOLLY	30-36"	CONTAINER	-
IVRS	12	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY HOLLY	30-36"	CONTAINER	-
RP	8	RHOODOENDRON 'WINDBEAM'	WINDBEAM AZALEA	30-36"	CONTAINER	-
GROUND COVER						
EVS	151	EPIMEDIUM X VERSICOLOR 'SULPHUREUM'	BISHOP'S HAT	1 GAL.	CONTAINER	spaced @ 18" o.c.
PERENNIAL(S)						
HFI	14	HOSTA 'FIRE ISLAND'	FIRE ISLAND HOSTA	1 GAL.	CONTAINER	spaced @ 24" o.c.
HGM	37	HOSTA 'GRAND MARQUEE'	GRAND MARQUEE HOSTA	1 GAL.	CONTAINER	spaced @ 24" o.c.
ISCB	19	IRIS SIBIRICA 'CAESAR'S BROTHER'	CAESAR'S BROTHER SIBERIAN IRIS	2 GAL.	CONTAINER	spaced @ 24" o.c.
ORNAMENTAL GRASS(ES)						
BGBA	70	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLUE GRAMA GRASS	2 GAL.	CONTAINER	spaced @ 24" o.c.

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICATE.

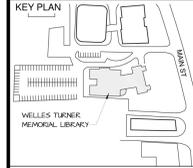


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 PROJECT/APPLICANT
 2407 MAIN STREET
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 12 SPECIAL PERMIT SECTION TP2 CHAIRMAN
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CONSTRUCTION DOCS



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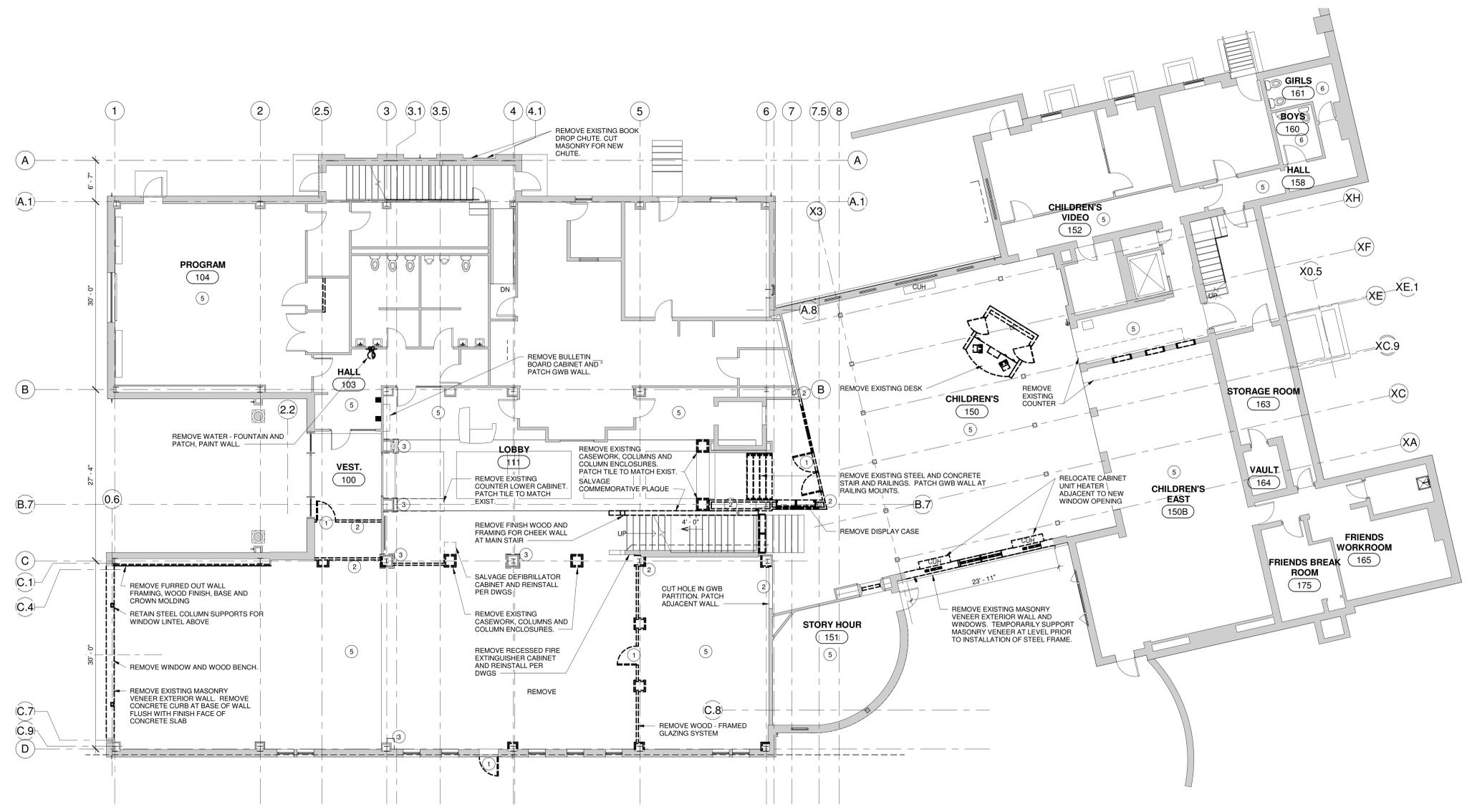
FIRST FLOOR SELECTIVE DEMOLITION PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As indicated
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

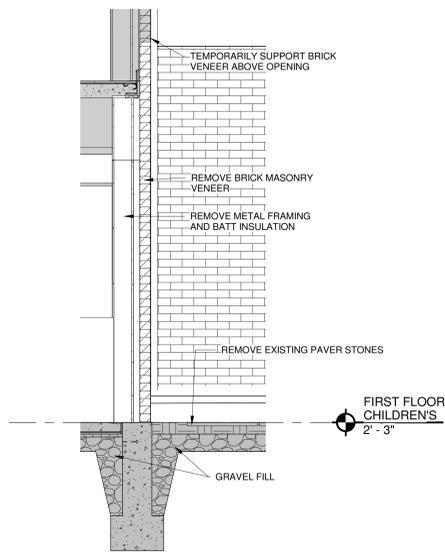
ISSUE DATES

NO.	DATE	PURPOSE

D1.01



1 FIRST FLOOR SELECTIVE DEMOLITION
 1/8" = 1'-0"



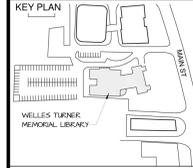
2 CHILDREN'S WALL SECTION - EXISTING SLAB DETAIL
 1/2" = 1'-0"

- EXISTING CONSTRUCTION TO REMAIN
- - - EXISTING AREAS WHERE DEMOLITION WORK TO BE DONE
- 1 REMOVE AND PROPERLY DISPOSE OF DOOR, FRAME, TRIM AND ASSOCIATED HARDWARE
- 2 REMOVE EXISTING GWB PARTITION. PATCH ADJACENT WALL ONCE REMOVED.
- 3 REMOVE EXISTING WOOD STRIP WALL PANELING BELOW CROWN MOLDING AND ABOVE WOOD BASE. WOOD PANELING TO BE SAVED. RETAIN PLYWOOD SUBSTRATE.
- 4 REMOVE AND PROPERLY DISPOSE OF EXISTING COLUMNS AND COLUMN ENCLOSURES
- 5 REMOVE AND PROPERLY DISPOSE OF EXISTING CARPET, ADHESIVE AND VINYL BASE COMPLETE TO TOP OF CONCRETE SUBSTRATE. WOOD BASE TO BE REMOVED AND SAVED.
- 6 REMOVE AND PROPERLY DISPOSE OF EXISTING TILE FLOORING, ADHESIVE AND TILE BASE COMPLETE TO TOP OF CONCRETE SUBSTRATE. REMOVE TILE WALL FINISH AND PREPARE FOR SCHEDULED FINISH CEILING
- 7 REMOVE AND OR MODIFY EXISTING SUSPENDED ACOUSTICAL CEILING COMPLETE, INCLUDING TILES, SUSPENSION GRID AND WIRES.
- 8 CUT BACK CEILING GRID AS REQUIRED TO COORDINATE WITH NEW WALL CONSTRUCTION. EXISTING CEILING TO REMAIN AND BE TIED INTO NEW WALL CONSTRUCTION.
- 9 REMOVE AND DISPOSE OF CEILING PERIMETER ANGLE AND CUT TILES AND GRID AT REMOVED WALLS. PREPARE FOR EXISTING GRID TO BE EXTENDED, RE-CEILING PLANS.
- 10 REMOVE EXISTING EXIT SIGN. SEE ALSO ELECTRICAL DEMOLITION PLANS FOR REMOVAL OF EXIT SIGNS AND OTHER ELECTRICAL DEVICES.
- 11 REMOVE AND OR MODIFY EXISTING GWB CEILING SOFFIT COMPLETE, INCLUDING SUSPENSION GRID AND WIRES.

- GENERAL DEMO NOTES**
- SEE MECH. / ELEC. / PLUMBING / DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION, TRENCHING, AND CUTTING RELATED TO NEW M.E.P. SYSTEMS.
 - ALL INFORMATION ON DEMOLITION PLANS HAVE BEEN COMPLETED FROM EXISTING DRAWINGS AND LIMITED FIELD OBSERVATIONS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND COORDINATE DEMOLITION WITH ALL NEW CONSTRUCTION AND WITH ALL TRADES. NO ATTEMPT HAS BEEN MADE TO ILLUSTRATE ALL REQUIRED DEMOLITION. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO COMPLETE THE WORK.
 - PROVIDE STEEL LINTELS PER STRUCTURAL DWGS AT NEW OPENINGS IN EXISTING MASONRY WALLS AS REQUIRED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH & REPAIR ALL EXISTING WORK DISTURBED BY DEMOLITION ACTIVITIES IN A MANNER THAT RESULT IN A COMPLETE AND FINISHED PRODUCT. THIS PATCH & REPAIR INCLUDES ALL FINISHES NEEDED TO MATCH ADJACENT SURFACES.
 - IF A WALL, CEILING OR SURFACE HAS BEEN WORKED ON, THAT WALL OR SURFACE SHALL BE PATCHED & REPAIRED WITH A COMPLETE FINISH, TO THE NEAREST CORNER, CHANGE OF PLANE OR OTHER JUNCTURE WHICH ALLOWS FOR SMOOTH & CLEAN TRANSITION FROM NEWLY FINISHED SURFACE TO THE SURROUNDING EXISTING SURFACE, I.E., THE INTENT IS TO ELIMINATE THE APPEARANCE OF A PATCHED CONDITION.
 - IT IS NOT THE INTENT TO SHOW EVERY PIECE OR ITEM TO BE REMOVED IN DEMOLITION WORK. MECHANICAL, ELECTRICAL, AND OTHER WORK RELATED TO A WALL OR AREA SCHEDULED FOR DEMOLITION AND REMOVAL SHALL BE PERFORMED WHETHER SO NOTED OR NOT.
 - PATCH AND REPAIR ANY EXISTING CEILING, FLOORING AND/OR WALL FINISHES DAMAGED DURING THE INSULATION OF NEW WALL, PIPING, DUCTWORK, OR UNDER THIS PROJECT.
 - WHERE DOOR AND FRAME ARE REMOVED IN WALL TO REMAIN, PATCH AND REPAIR EXISTING WALL AND FILL OPENINGS WITH CONSTRUCTION TO MATCH EXISTING.
 - REMOVE ALL CEILINGS, TILE AND GRID, EXCEPT AS NOTED IN THE REFLECTED CEILING PLANS. REMOVE ALL LIGHT FIXTURES EXCEPT AS NOTED IN THE REFLECTED CEILING PLANS.
 - CLEAN AND PREPARE ALL SURFACES TO RECEIVE NEW FINISH. REMOVAL ALL RESIDUAL ADHESIVES OR FASTENERS AND PATCH WHERE NECESSARY. ALL LOOSE PAINT SHALL BE REMOVED FROM ALL SURFACES INCLUDING ALL PAINTED UTILITIES AND EQUIPMENT TO BE PREPARED FOR NEW FINISHES AS SCHEDULED.
 - ALL DEMOLITION MATERIALS ARE TO BE REMOVED FROM THE SITE. ALL MATERIALS ARE TO BE DISPOSED OF OFF-SITE IN A LEGAL MANNER. THE OWNER WILL THE FIRST RIGHT AND REFUSAL FOR ALL SALVAGEABLE MATERIAL, INCLUDING BUT NOT LIMITED TO FURNISHINGS, FIXTURES AND EQUIPMENT. ALL MATERIALS THAT THE OWNER DOES NOT TAKE POSSESSION OF SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
 - THE INTENT OF THE WORK IS TO PROVIDE A CLEAR, ORDERLY AND CRAFTSMAN-LIKE INTERFACE BETWEEN NEW WORK AND EXISTING CONSTRUCTION TO REMAIN AT ALL AREAS OF RENOVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INCIDENTAL WORK REQUIRED TO INTERFACE NEW AND EXISTING WORK.

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CONSTRUCTION DOCS



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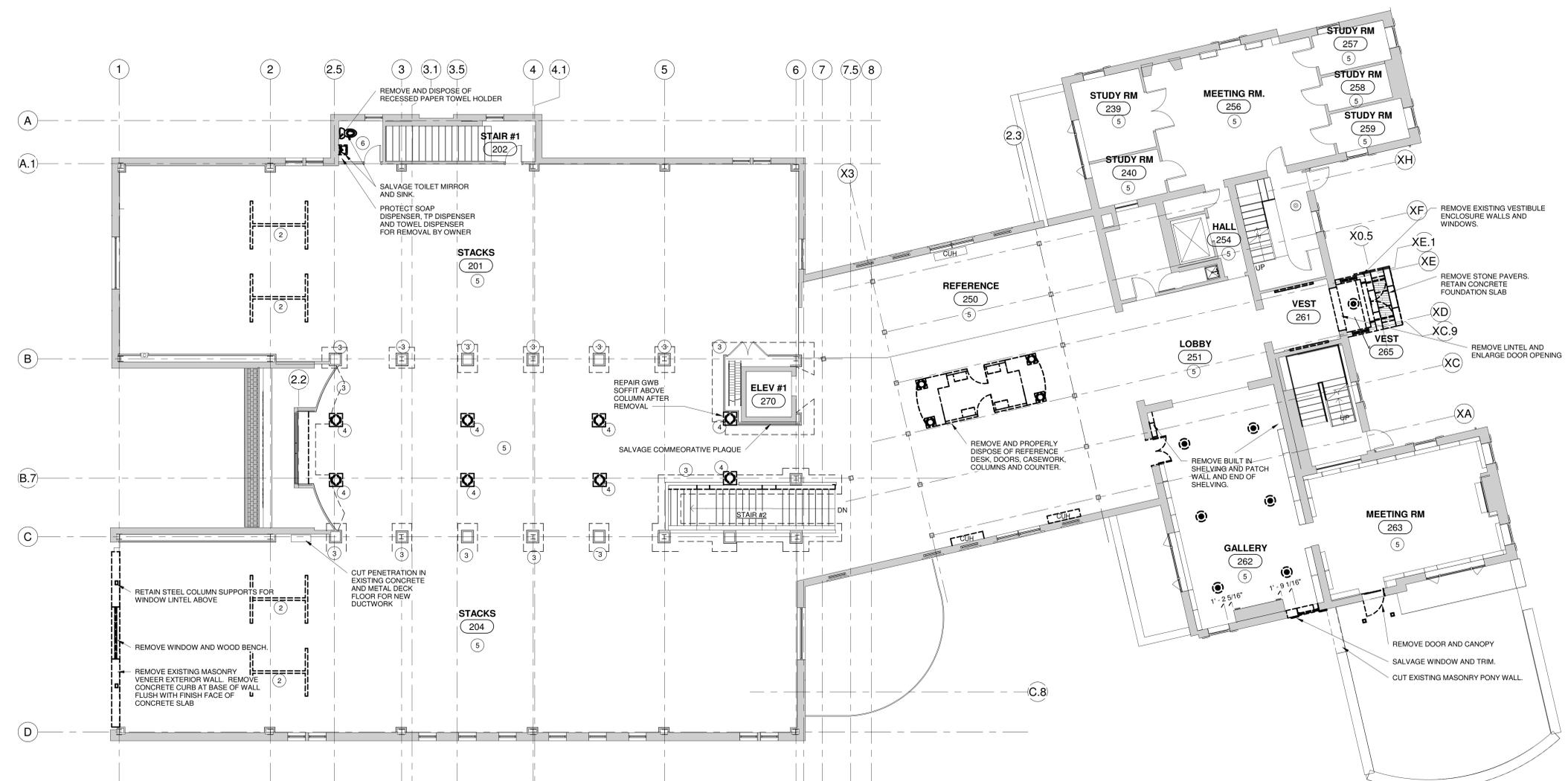
SECOND FLOOR SELECTIVE DEMOLITION PLAN

GLAST. BID NO.	GL-2010-19
PROJ. NO.	190101
SCALE	As indicated
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

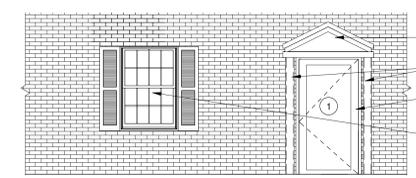
ISSUE DATES

NO.	DATE	PURPOSE

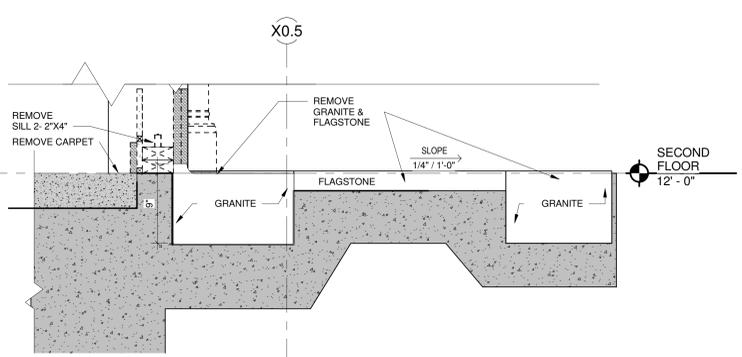
D1.02



1 SECOND FLOOR SELECTIVE DEMOLITION
 1/8" = 1'-0"



4 DEMO ELEVATION
 1/4" = 1'-0"



2 EXISTING MAIN ENTRANCE - WALL SECTION
 1 1/2" = 1'-0"

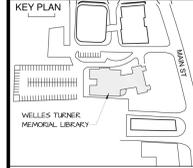
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 - PROVIDE STEEL LINTELS PER STRUCTURAL DWGS AT NEW OPENINGS IN EXISTING MASONRY WALLS AS REQUIRED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH & REPAIR ALL EXISTING WORK DISTURBED BY DEMOLITION ACTIVITIES IN A MANNER THAT RESULT IN A COMPLETE AND FINISHED PRODUCT. THIS PATCH & REPAIR INCLUDES ALL FINISHES NEEDED TO MATCH ADJACENT SURFACES.
 - IF A WALL, CEILING OR SURFACE HAS BEEN WORKED ON, THAT WALL OR SURFACE SHALL BE PATCHED & REPAIRED WITH A COMPLETE FINISH, TO THE NEAREST CORNER. CHANGE OF PLANE OR OTHER JUNCTURE WHICH ALLOWS FOR SMOOTH & CLEAN TRANSITION FROM NEWLY FINISHED SURFACE TO THE SURROUNDING EXISTING SURFACE; i.e., THE INTENT IS TO ELIMINATE THE APPEARANCE OF A PATCHED CONDITION.
 - IT IS NOT THE INTENT TO SHOW EVERY PIECE OF ITEM TO BE REMOVED IN DEMOLITION WORK. MECHANICAL, ELECTRICAL, AND OTHER WORK RELATED TO A WALL OR AREA SCHEDULED FOR DEMOLITION AND REMOVAL SHALL BE PERFORMED WHETHER SO NOTED OR NOT.
 - PATCH AND REPAIR ANY EXISTING CEILING, FLOORING AND/OR WALL FINISHES DAMAGED DURING THE DEMOLITION OF NEW WALL, PIPING, DUCTWORK, OR UNDER THIS PROJECT.
 - WHERE DOOR AND FRAME ARE REMOVED IN WALL TO REMAIN, PATCH AND REPAIR EXISTING WALL AND FILL OPENING WITH CONSTRUCTION TO MATCH EXISTING.
 - REMOVE ALL CEILINGS, TILE AND GRID, EXCEPT AS NOTED IN THE REFLECTED CEILING PLANS. REMOVE ALL LIGHT FIXTURES EXCEPT AS NOTED IN THE REFLECTED CEILING PLANS.
 - CLEAN AND PREPARE ALL SURFACES TO RECEIVE NEW FINISH. REMOVAL ALL RESIDUAL ADHESIVES OR FASTENERS AND PATCH WHERE NECESSARY. ALL LOOSE PAINT SHALL BE REMOVED FROM ALL SURFACES INCLUDING ALL PAINTED UTILITIES AND EQUIPMENT TO BE PREPARED FOR NEW FINISHES AS SCHEDULED.
 - ALL DEMOLITION MATERIALS ARE TO BE REMOVED FROM THE SITE. ALL MATERIALS ARE TO BE DISPOSED OF OFF-SITE IN A LEGAL MANNER. THE OWNER WILL THE FIRST RIGHT AND REFUSAL FOR ALL SALVAGEABLE MATERIAL, INCLUDING BUT NOT LIMITED TO FURNISHINGS, FIXTURES AND EQUIPMENT. ALL MATERIALS THAT THE OWNER DOES NOT TAKE POSSESSION OF SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
 - THE INTENT OF THE WORK IS: TO PROVIDE A CLEAR, ORDERLY AND CRAFTSMAN LIKE INTERFACE BETWEEN NEW WORK AND EXISTING CONSTRUCTION TO REMAIN AT ALL AREAS OF RENOVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INCIDENTAL WORK REQUIRED TO INTERFACE NEW AND EXISTING WORK

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CONSTRUCTION DOCS



DRAWING TITLE

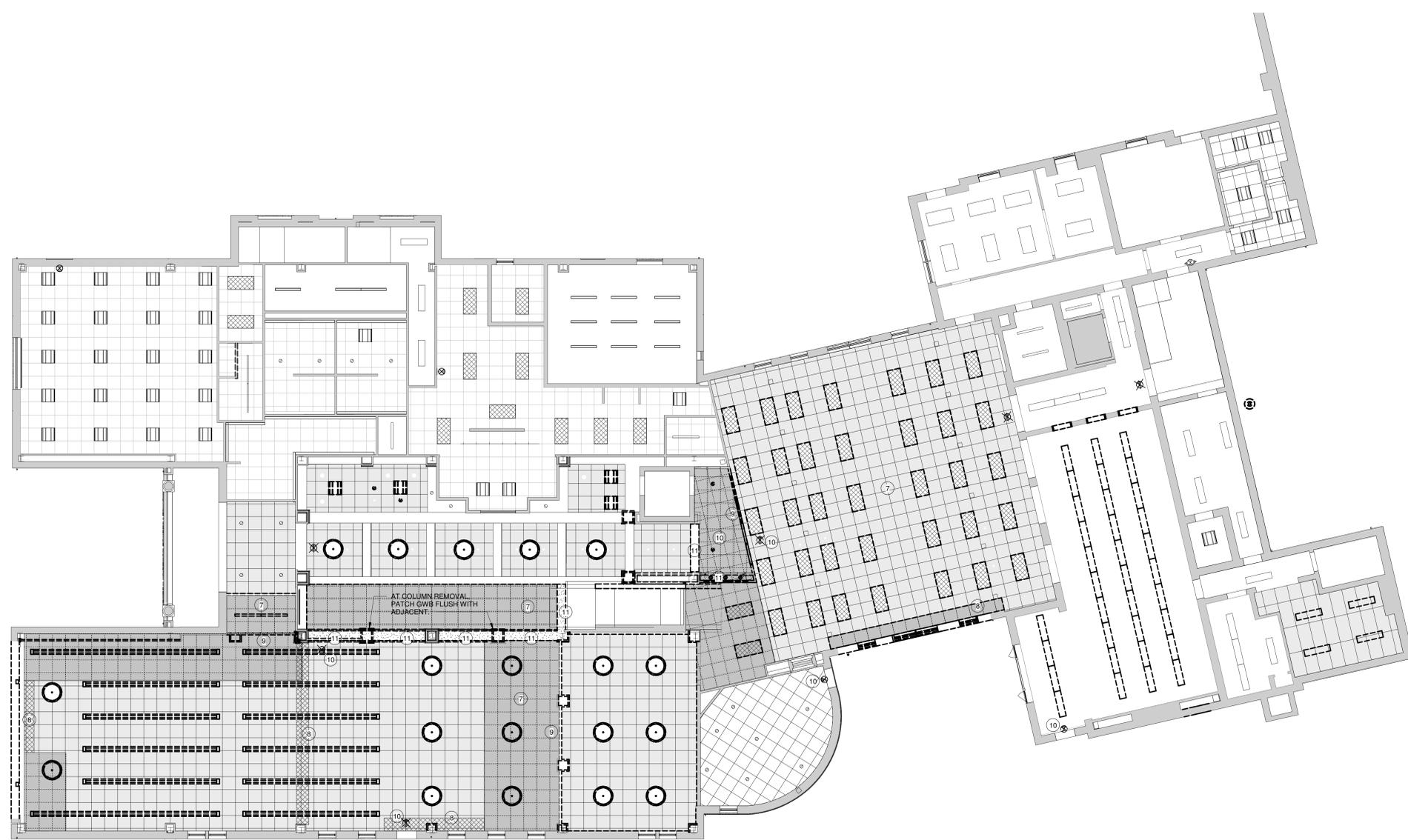
FIRST FLOOR SELECTIVE DEMOLITION CEILING PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As indicated
DATE	6.1.2020
DRAWN BY	PM
APPROVED BY	Approver

ISSUE DATES

NO.	DATE	PURPOSE

D2.01



1 FIRST FLOOR CEILING DEMOLITION PLAN
 1/8" = 1'-0"

LEGEND:

	EXISTING CONSTRUCTION TO REMAIN
	EXISTING AREAS WHERE DEMOLITION WORK TO BE DONE
	EXISTING CEILING TO REMAIN
	NEW ACT CEILING
	EXISTING GRID - NEW TILE
	DEMOLISH EXISTING GRID AND TILE
	NEW GYP. CEILING
	EXISTING GYP. CEILING
	ACOUSTIC PANEL - SECTION 098413
	FIRE RATED HORIZONTAL GWB ASSEMBLY
	CURVED ACOUSTIC PANEL - SECTION 098413
	EXISTING PLASTER CEILING
	NEW SPRINKLER HEAD
	NEW EXIT SIGN
	EXISTING EXIT SIGN TO REMAIN

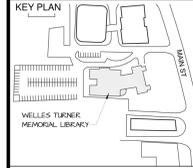
1. REMOVE AND PROPERLY DISPOSE OF DOOR, FRAME, TRIM AND ASSOCIATED HARDWARE
2. REMOVE EXISTING GWB PARTITION. PATCH ADJACENT WALL ONCE REMOVED.
3. REMOVE EXISTING WOOD STRIP PANELING BELOW CROWN MOLDING AND ABOVE WOOD BASE. WOOD PANELING TO BE SAVED. RETAIN PLYWOOD SUBSTRATE.
4. REMOVE AND PROPERLY DISPOSE OF EXISTING COLUMNS AND COLUMN ENCLOSURES
5. REMOVE AND PROPERLY DISPOSE OF EXISTING CARPET, ADHESIVE AND VINYL BASE COMPLETE TO TOP OF CONCRETE SUBSTRATE. WOOD BASE TO BE REMOVED AND SAVED.
6. REMOVE AND PROPERLY DISPOSE OF EXISTING TILE FLOORING, ADHESIVE AND TILE BASE COMPLETE TO TOP OF CONCRETE SUBSTRATE. REMOVE TILE WALL FINISH AND PREPARE FOR SCHEDULED FINISH CEILING
7. REMOVE AND OR MODIFY EXISTING SUSPENDED ACOUSTICAL CEILING COMPLETE, INCLUDING TILES, SUSPENSION GRID AND WIRES.
8. CUT BACK CEILING GRID AS REQUIRED TO COORDINATE WITH NEW WALL CONSTRUCTION. EXISTING CEILING TO REMAIN AND BE TIED INTO NEW WALL CONSTRUCTION.
9. REMOVE AND DISPOSE OF CEILING PERIMETER ANGLE AND CUT TILES AND GRID AT REMOVED WALLS. PREPARE FOR EXISTING GRID TO BE EXTENDED, RE - CEILING PLANS.
10. REMOVE EXISTING EXIT SIGN, SEE ALSO ELECTRICAL DEMOLITION PLANS FOR REMOVAL OF EXIT SIGNS AND OTHER ELECTRICAL DEVICES.
11. REMOVE AND OR MODIFY EXISTING GWB CEILING SOFFIT COMPLETE, INCLUDING SUSPENSION GRID AND WIRES.

- GENERAL DEMO NOTES**
1. SEE MECH. / ELEC. / PLUMBING / DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION, TRENCHING, AND CUTTING RELATED TO NEW M.E.P SYSTEMS.
 2. ALL INFORMATION ON DEMOLITION PLANS HAVE BEEN COMPLETED FROM EXISTING DRAWINGS AND LIMITED FIELD OBSERVATIONS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND COORDINATE DEMOLITION WITH WITH ALL NEW CONSTRUCTION AND WITH ALL TRADES. NO ATTEMPT HAS BEEN MADE TO ILLUSTRATE ALL REQUIRED DEMOLITION. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO COMPLETE THE WORK.
 3. PROVIDE STEEL LINTELS PER STRUCTURAL DWGS AT NEW OPENINGS IN EXISTING MASONRY WALLS AS REQUIRED.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH & REPAIR ALL EXISTING WORK DISTURBED BY DEMOLITION ACTIVITIES IN A MANNER THAT RESULT IN A COMPLETE AND FINISHED PRODUCT. THIS PATCH & REPAIR INCLUDES ALL FINISHES NEEDED TO MATCH ADJACENT SURFACES.
 5. IF A WALL, CEILING OR SURFACE HAS BEEN WORKED ON, THAT WALL OR SURFACE SHALL BE PATCHED & REPAIRED WITH A COMPLETE FINISH, TO THE NEAREST CORNER, CHANGE OF PLANE OR OTHER JUNCTURE WHICH ALLOWS FOR SMOOTH & CLEAN TRANSITION FROM NEWLY FINISHED SURFACE TO THE SURROUNDING EXISTING SURFACE; i.e., THE INTENT IS TO ELIMINATE THE APPEARANCE OF A PATCHED CONDITION.
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 7. PATCH AND REPAIR ANY EXISTING CEILING, FLOORING AND/OR WALL FINISHES DAMAGED DURING THE INSULATION OF NEW WALL, PIPING, DUCTWORK, OR UNDER THIS PROJECT.
 8. WHERE DOOR AND FRAME ARE REMOVED IN WALL TO REMAIN, PATCH AND REPAIR EXISTING WALL AND FILL OPENING WITH CONSTRUCTION TO MATCH EXISTING.
 9. REMOVE ALL CEILINGS, TILE AND GRID, EXCEPT AS NOTED IN THE REFLECTED CEILING PLANS. REMOVE ALL LIGHT FIXTURES EXCEPT AS NOTED IN THE REFLECTED CEILING PLANS.
 10. CLEAN AND PREPARE ALL SURFACES TO RECEIVE NEW FINISH. REMOVAL ALL RESIDUAL ADHESIVES OR FASTENERS AND PATCH WHERE NECESSARY. ALL LOOSE PAINT SHALL BE REMOVED FROM ALL SURFACES INCLUDING ALL PAINTED UTILITIES AND EQUIPMENT TO BE PREPARED FOR NEW FINISHES AS SCHEDULED.
 11. ALL DEMOLITION MATERIALS ARE TO BE REMOVED FROM THE SITE. ALL MATERIALS ARE TO BE DISPOSED OF OFF-SITE IN A LEGAL MANNER. THE OWNER WILL THE FIRST RIGHT AND REFUSAL FOR ALL SALVAGEABLE MATERIAL, INCLUDING BUT NOT LIMITED TO FURNISHINGS, FIXTURES AND EQUIPMENT. ALL MATERIALS THAT THE OWNER DOES NOT TAKE POSSESSION OF SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
 12. THE INTENT OF THE WORK IS: TO PROVIDE A CLEAR, ORDERLY AND CRAFTSMAN-LIKE INTERFACE BETWEEN NEW WORK AND EXISTING CONSTRUCTION TO REMAIN AT ALL AREAS OF RENOVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INCIDENTAL WORK REQUIRED TO INTERFACE NEW AND EXISTING WORK

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CONSTRUCTION DOCS



DRAWING TITLE

SECOND FLOOR SELECTIVE DEMOLITION CEILING PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As indicated
DATE	6.1.2020
DRAWN BY	PM
APPROVED BY	Approver

ISSUE DATES

NO.	DATE	PURPOSE

D2.02

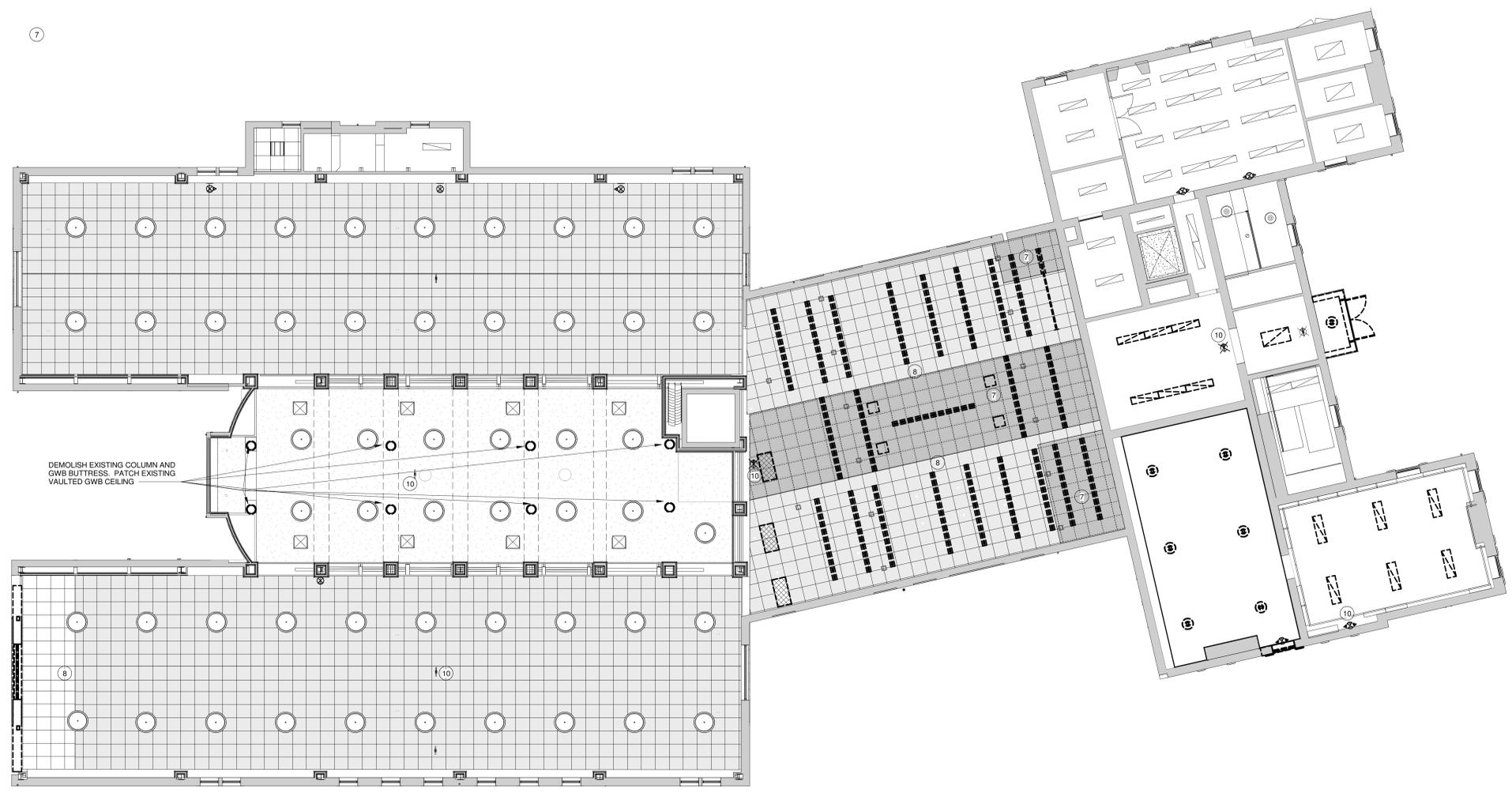


IMAGE OF EXISTING COLUMNS AND GWB BUTTRESSES

1 SECOND FLOOR CEILING DEMOLITION PLAN
 1/8" = 1'-0"

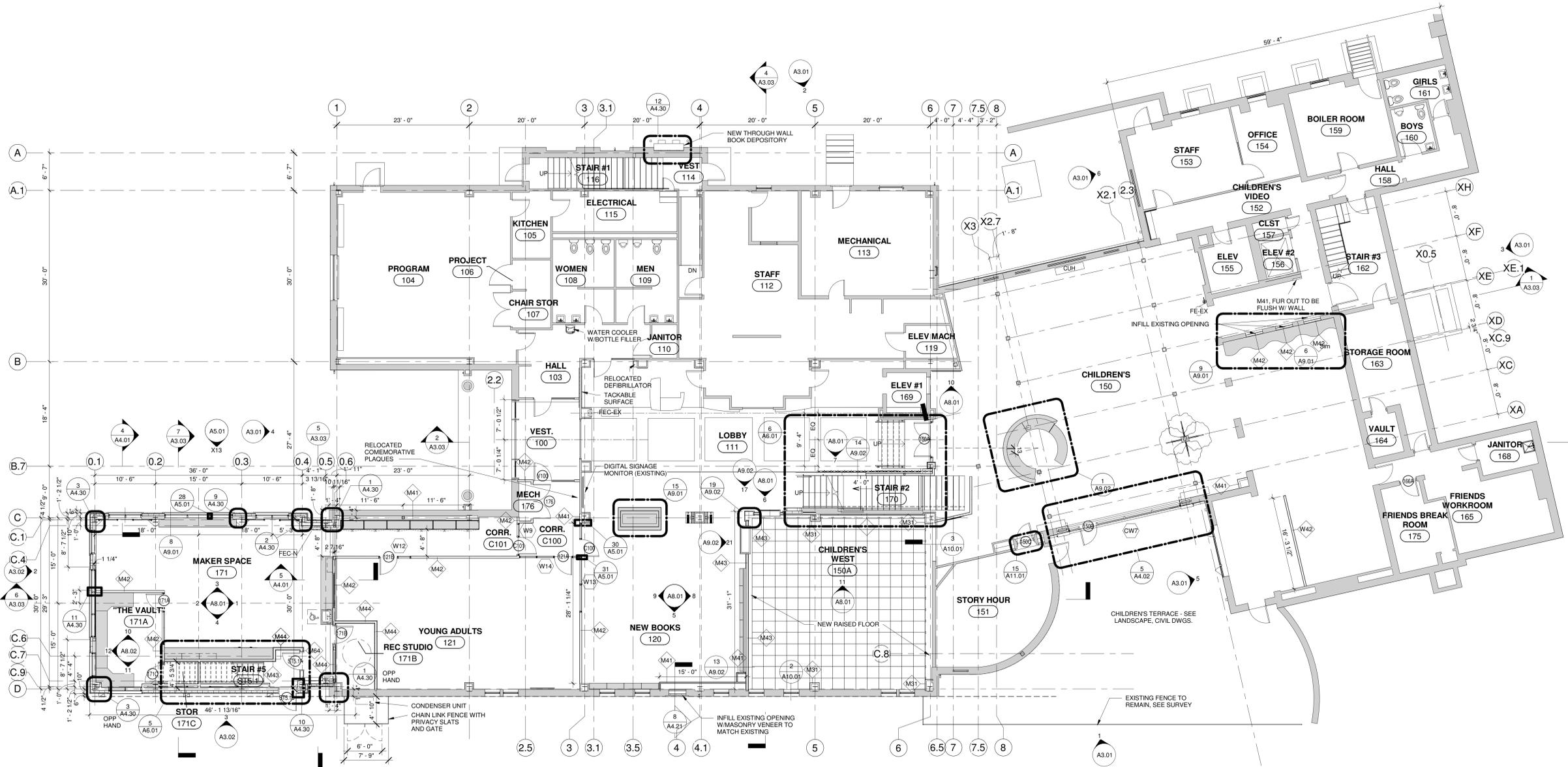
LEGEND:

	EXISTING CEILING TO REMAIN
	NEW ACT CEILING
	EXISTING GRID - NEW TILE
	DEMOLISH EXISTING GRID AND TILE
	NEW GYP. CEILING
	EXISTING GYP. CEILING
	ACOUSTIC PANEL - SECTION 098413
	FIRE RATED HORIZONTAL GWB ASSEMBLY
	CURVED ACOUSTIC PANEL - SECTION 098413
	EXISTING PLASTER CEILING
	NEW SPRINKLER HEAD
	NEW EXIT SIGN EXISTING EXIT SIGN TO REMAIN

- EXISTING CONSTRUCTION TO REMAIN
- - - EXISTING AREAS WHERE DEMOLITION WORK TO BE DONE
- 1 REMOVE AND PROPERLY DISPOSE OF DOOR, FRAME, TRIM AND ASSOCIATED HARDWARE
- 2 REMOVE EXISTING GWB PARTITION. PATCH ADJACENT WALL ONCE REMOVED.
- 3 REMOVE EXISTING WOOD STRIP WALL PANELING BELOW CROWN MOLDING AND ABOVE WOOD BASE. WOOD PANELING TO BE SAVED. RETAIN PLYWOOD SUBSTRATE.
- 4 REMOVE AND PROPERLY DISPOSE OF EXISTING COLUMNS AND COLUMN ENCLOSURES
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- 6 REMOVE AND PROPERLY DISPOSE OF EXISTING TILE FLOORING, ADHESIVE AND TILE BASE COMPLETE TO TOP OF CONCRETE SUBSTRATE. REMOVE TILE WALL FINISH AND PREPARE FOR SCHEDULED FINISH CEILING
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- 10 REMOVE EXISTING EXIT SIGN. SEE ALSO ELECTRICAL DEMOLITION PLANS FOR REMOVAL OF EXIT SIGNS AND OTHER ELECTRICAL DEVICES.
- 11 REMOVE AND OR MODIFY EXISTING GWB CEILING SOFFIT COMPLETE. INCLUDING SUSPENSION GRID AND WIRES.

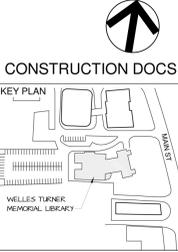
- GENERAL DEMO NOTES**
- SEE MECH./ELEC./PLUMBING/DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION, TRENCHING, AND CUTTING RELATED TO NEW M.E.P. SYSTEMS.
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FIRE EXTINGUISHER LEGEND	
FEC-N	NEW RECESSED FIRE EXTINGUISHER CABINET
FEC-EX	EXISTING FIRE EXTINGUISHER CABINET TO REMAIN
FEC-RL	EXISTING, RELOCATED FIRE EXTINGUISHER CABINET
FE-EX	EXISTING FIRE EXTINGUISHER TO REMAIN



1 FIRST FLOOR
 1/8" = 1'-0"

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KEY PLAN
 WELLES TURNER MEMORIAL LIBRARY

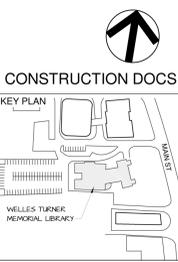
DRAWING TITLE
 FIRST FLOOR PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As indicated
DATE	6.1.2020
DRAWN BY	
APPROVED BY	NA

ISSUE DATES		
NO.	DATE	PURPOSE
1	7/10/2020	P&Z FINAL SUBMISSION

FIRE EXTINGUISHER LEGEND	
FEC-N	NEW RECESSED FIRE EXTINGUISHER CABINET
FEC-EX	EXISTING FIRE EXTINGUISHER CABINET TO REMAIN
FEC-RL	EXISTING, RELOCATED FIRE EXTINGUISHER CABINET
FE-EX	EXISTING FIRE EXTINGUISHER TO REMAIN

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CONSTRUCTION DOCS
 KEY PLAN
 WELLES TURNER MEMORIAL LIBRARY

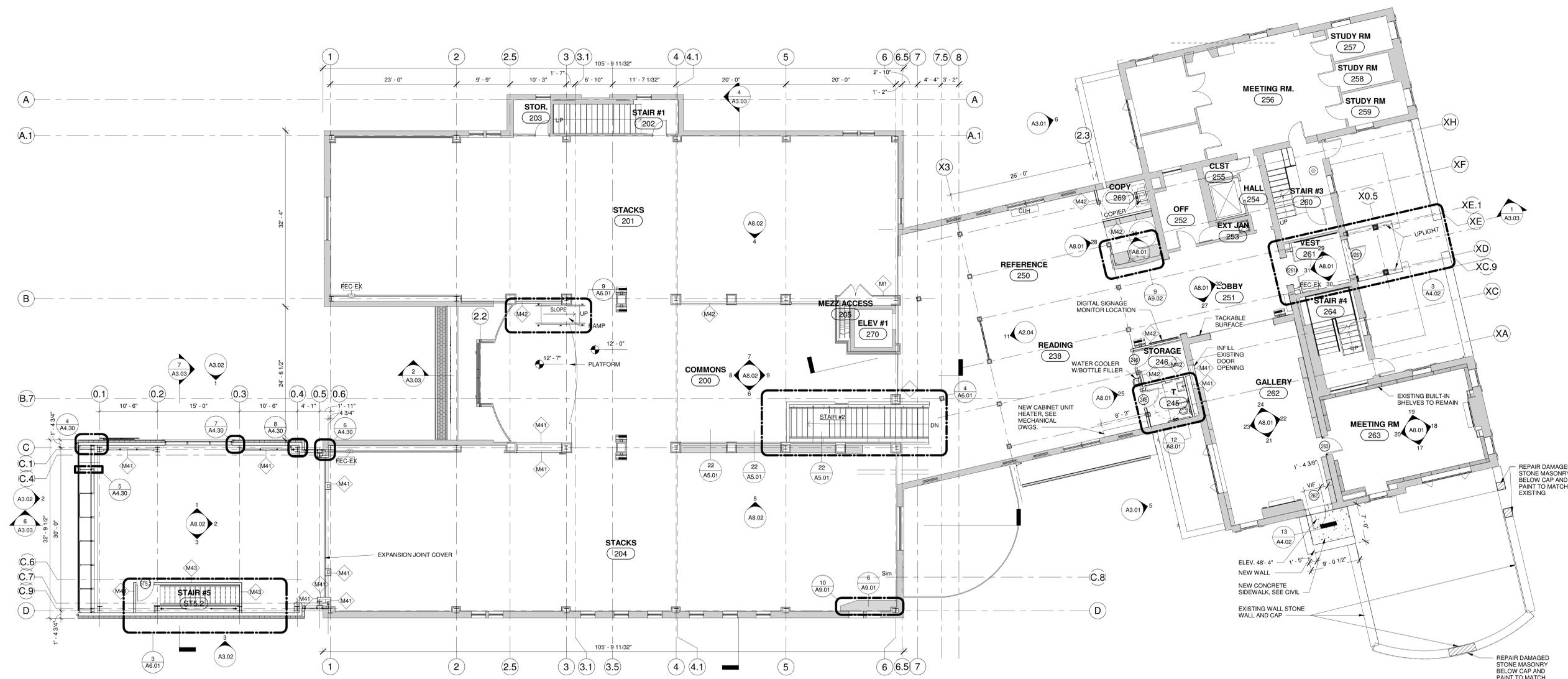
DRAWING TITLE

SECOND FLOOR PLAN

GLAST. BID NO.	GL 2020-19
PROJ. NO.	190101
SCALE	As indicated
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

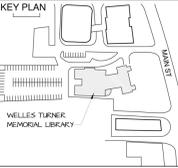
ISSUE DATES		
NO.	DATE	PURPOSE
1	7/16/2020	P&Z FINAL SUBMISSION

A1.02



1 SECOND FLOOR PLAN
 1/8" = 1'-0"

CONSTRUCTION DOCS



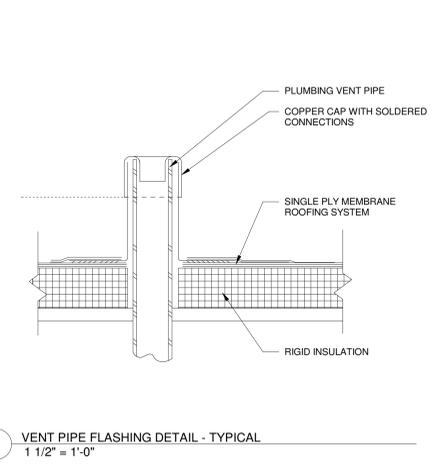
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ROOF DETAILS

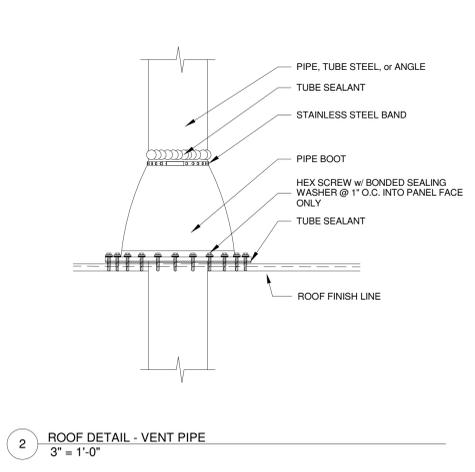
GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As indicated
DATE	6.1.2020
DRAWN BY	Author
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ISSUE DATES

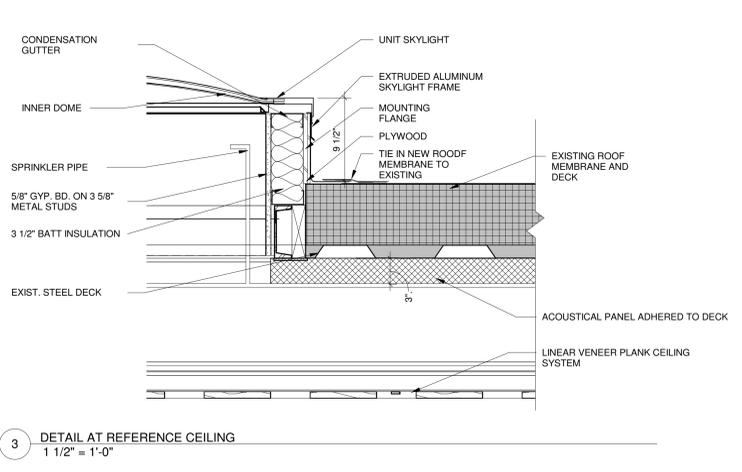
NO.	DATE	PURPOSE



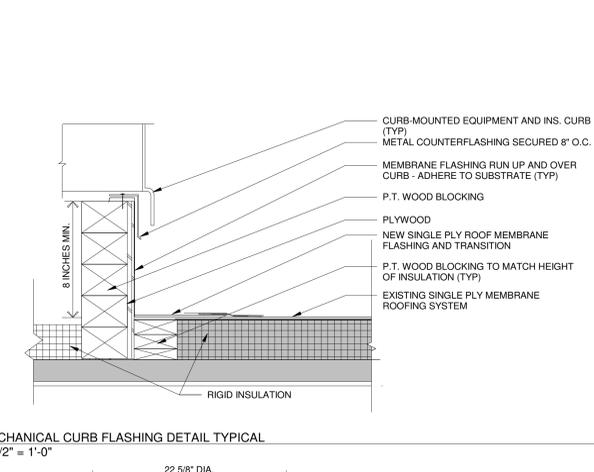
1 VENT PIPE FLASHING DETAIL - TYPICAL
 1 1/2" = 1'-0"



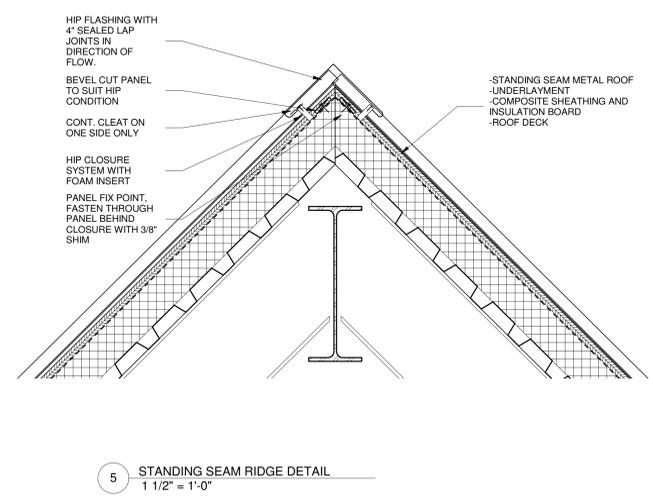
2 ROOF DETAIL - VENT PIPE
 3" = 1'-0"



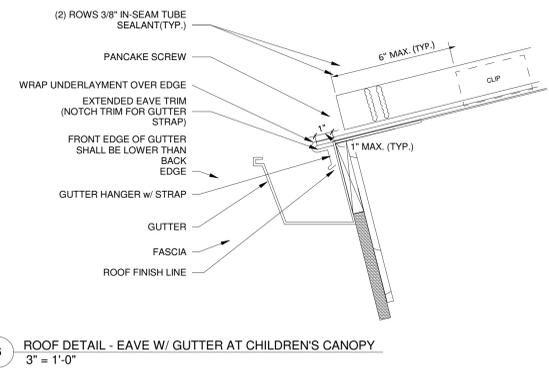
3 DETAIL AT REFERENCE CEILING
 1 1/2" = 1'-0"



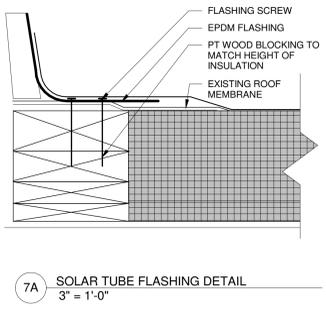
4 MECHANICAL CURB FLASHING DETAIL TYPICAL
 1 1/2" = 1'-0"



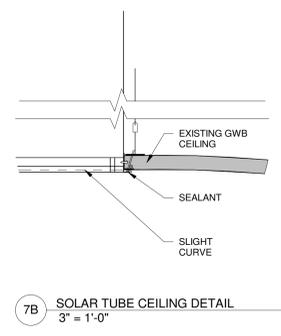
5 STANDING SEAM RIDGE DETAIL
 1 1/2" = 1'-0"



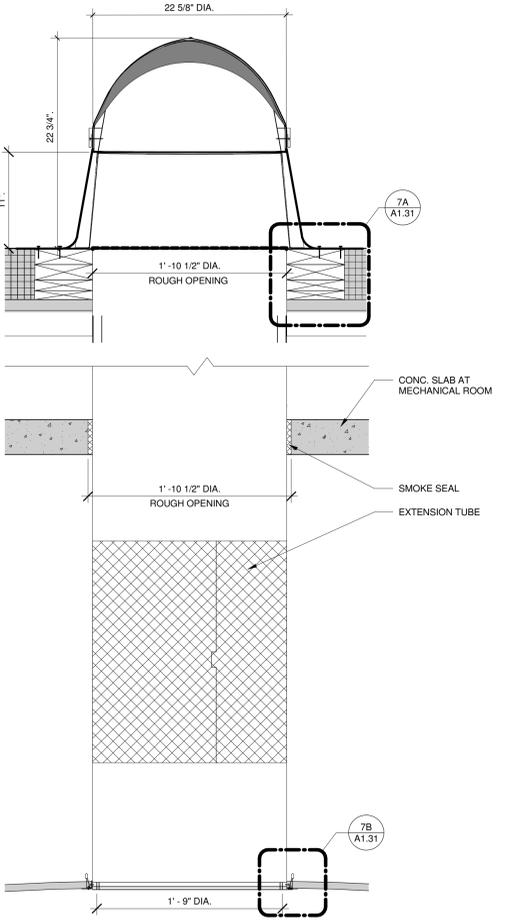
6 ROOF DETAIL - EAVE W/ GUTTER AT CHILDREN'S CANOPY
 3" = 1'-0"



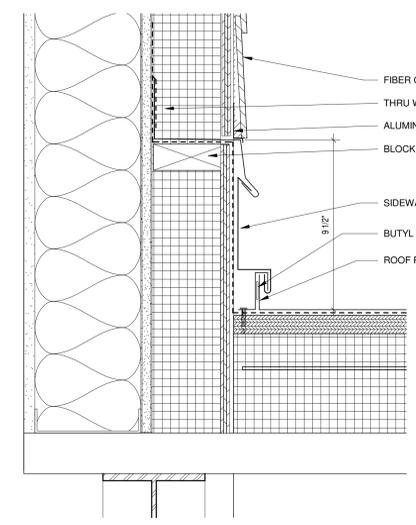
7A SOLAR TUBE FLASHING DETAIL
 3" = 1'-0"



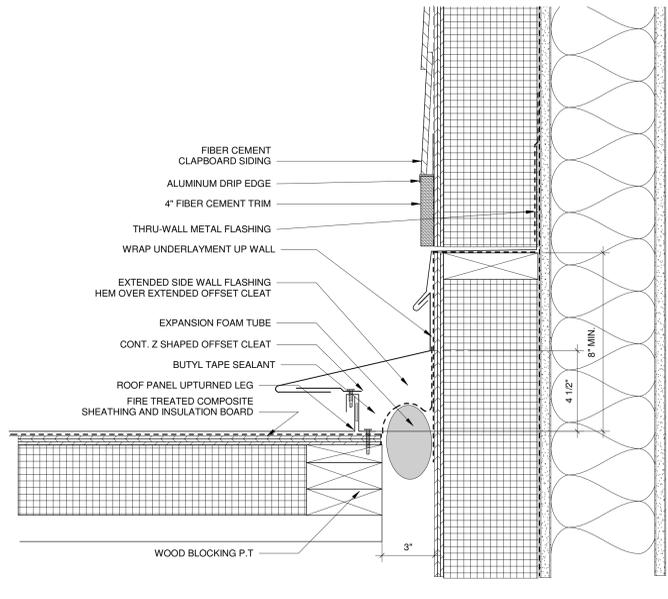
7B SOLAR TUBE CEILING DETAIL
 3" = 1'-0"



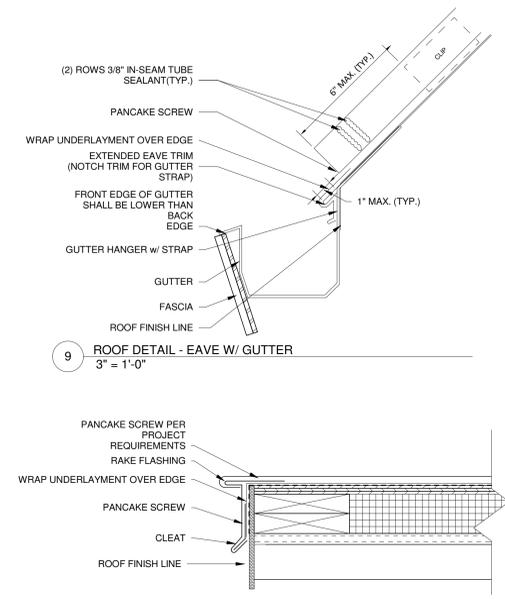
7 SOLAR TUBE DETAIL AT EPDM ROOFING
 1 1/2" = 1'-0"



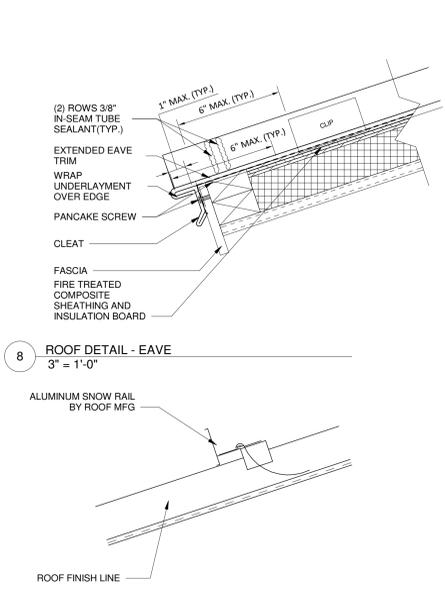
13 ROOF TO WALL DETAIL
 3" = 1'-0"



12 ROOF EXPANSION JOINT
 3" = 1'-0"



11 ROOF DETAIL - GABLE END
 3" = 1'-0"

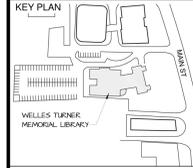


10 ROOF DETAIL - SNOWGUARD
 3" = 1'-0"

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CONSTRUCTION DOCS



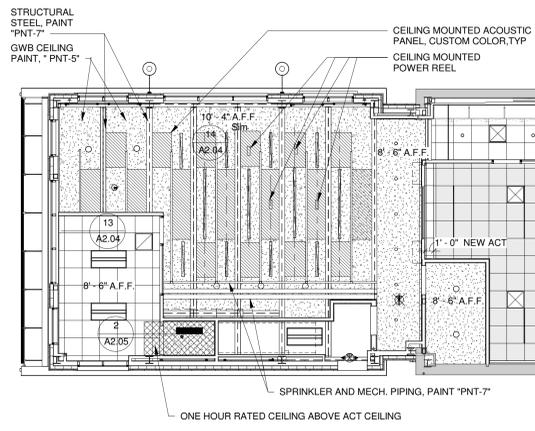
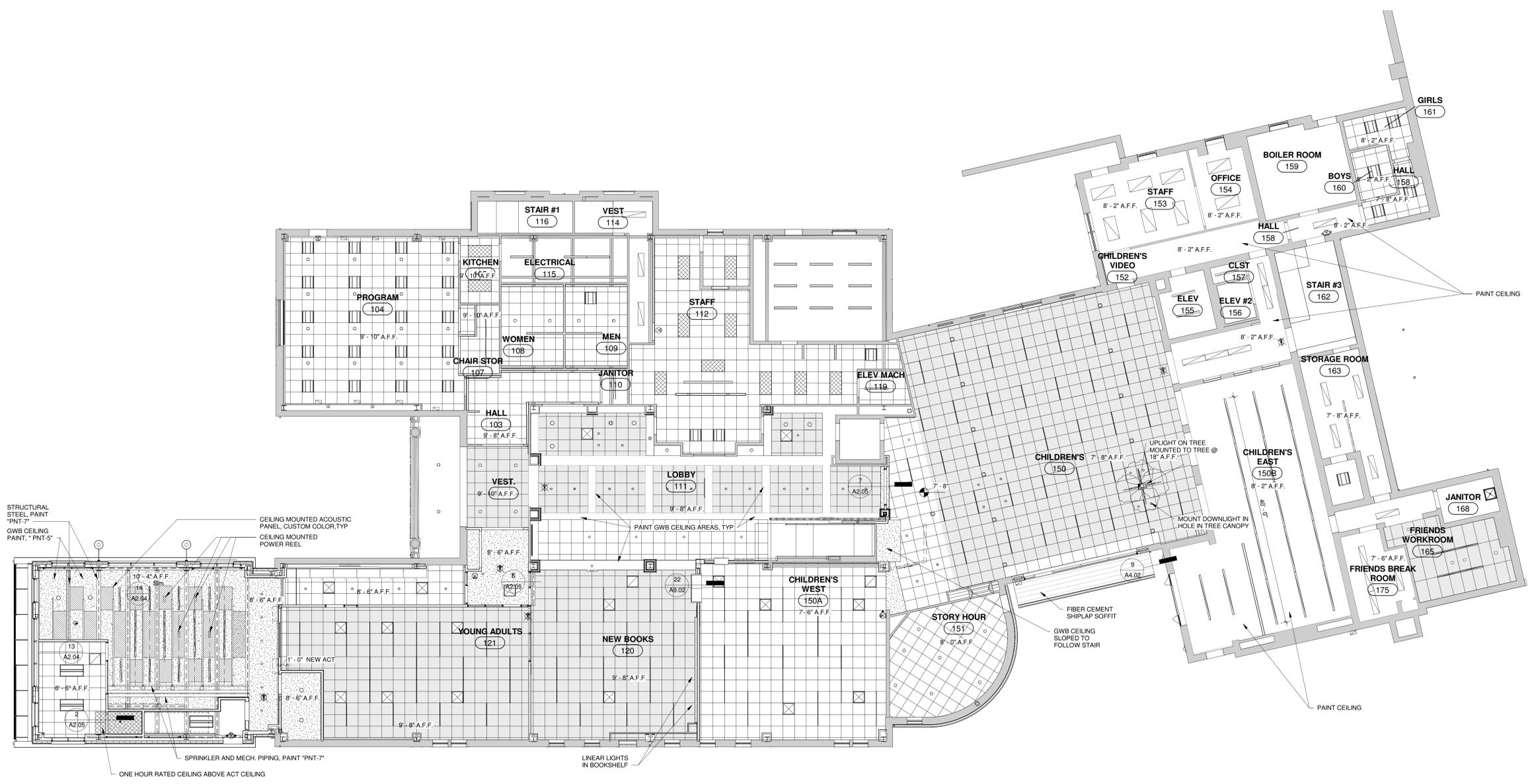
DRAWING TITLE

FIRST FLOOR REFLECTED CEILING PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

ISSUE DATES		
NO.	DATE	PURPOSE

A2.01



1 FIRST FLOOR CEILING PLAN
 1/8" = 1'-0"

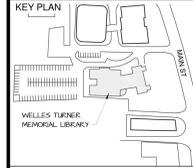
LEGEND:

[Symbol]	EXISTING CEILING TO REMAIN
[Symbol]	NEW ACT CEILING
[Symbol]	EXISTING GRID - NEW TILE
[Symbol]	DEMOLISH EXISTING GRID AND TILE
[Symbol]	NEW GYP. CEILING
[Symbol]	EXISTING GYP. CEILING
[Symbol]	ACOUSTIC PANEL - SECTION 098413
[Symbol]	FIRE RATED HORIZONTAL GWB ASSEMBLY
[Symbol]	CURVED ACOUSTIC PANEL - SECTION 098413
[Symbol]	EXISTING PLASTER CEILING
[Symbol]	NEW SPRINKLER HEAD
[Symbol]	NEW EXIT SIGN
[Symbol]	EXISTING EXIT SIGN TO REMAIN

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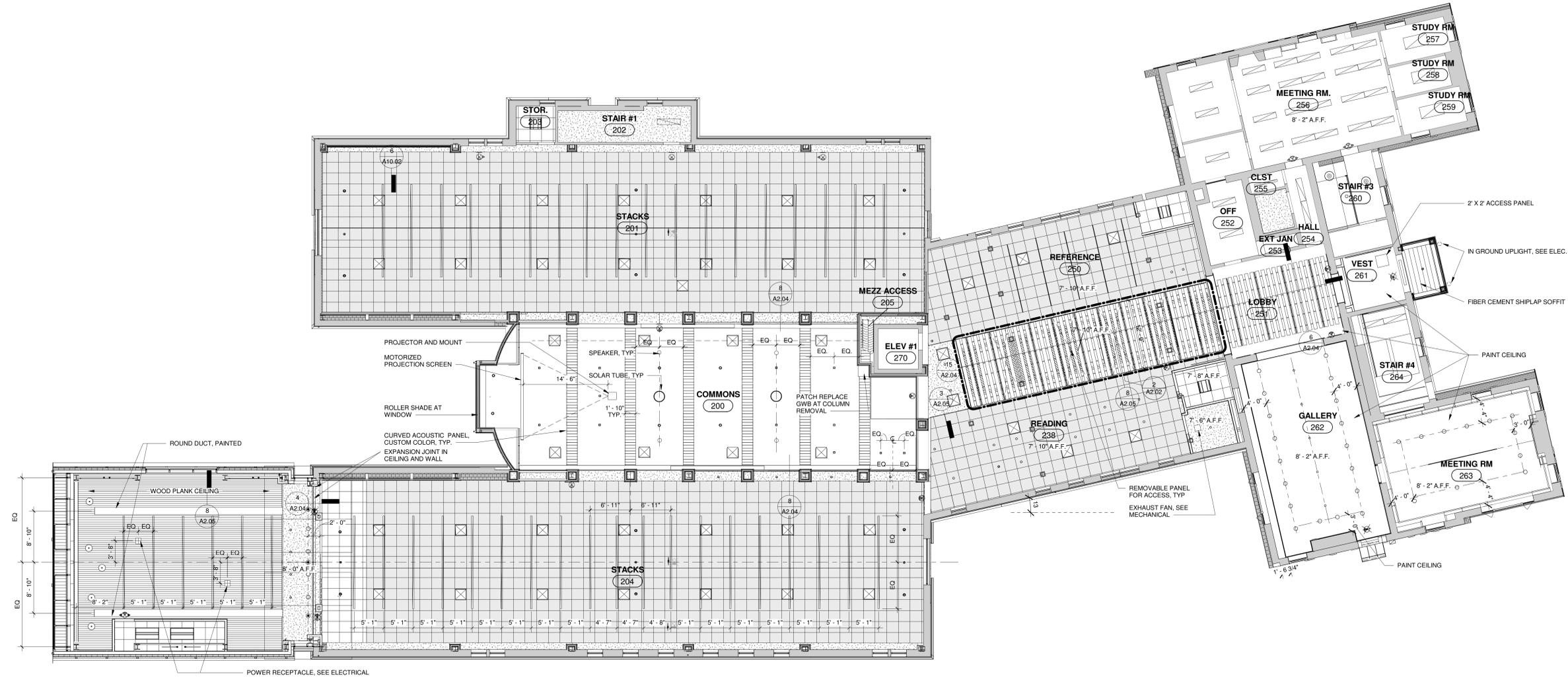
DRAWING TITLE

SECOND FLOOR REFLECTED CEILING PLAN

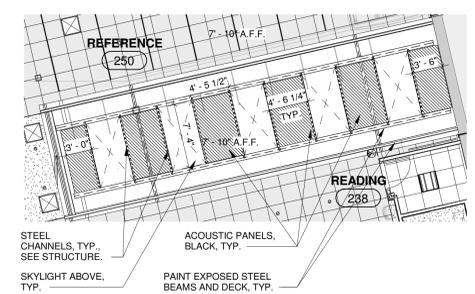
GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

ISSUE DATES		
NO.	DATE	PURPOSE
1	7/10/2020	P&Z FINAL SUBMISSION

A2.02



1 EXISTING SECOND FLOOR CEILING PLAN
 1/8" = 1'-0"



2 PARTIAL EXISTING SECOND FLOOR CEILING PLAN
 1/8" = 1'-0"

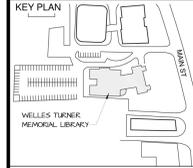
LEGEND:

	EXISTING CEILING TO REMAIN
	NEW ACT CEILING
	EXISTING GRID - NEW TILE
	DEMOLISH EXISTING GRID AND TILE
	NEW GYP. CEILING
	EXISTING GYP. CEILING
	ACOUSTIC PANEL - SECTION 098413
	FIRE RATED HORIZONTAL GWB ASSEMBLY
	CURVED ACOUSTIC PANEL - SECTION 098413
	EXISTING PLASTER CEILING
	NEW SPRINKLER HEAD
	NEW EXIT SIGN
	EXISTING EXIT SIGN TO REMAIN

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CONSTRUCTION DOCS



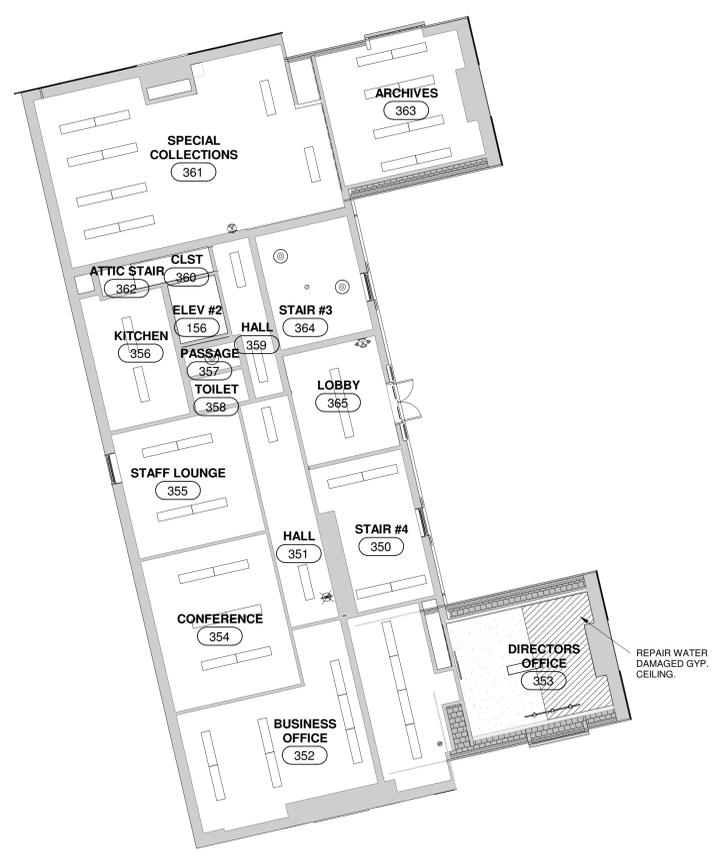
DRAWING TITLE

THIRD FLOOR REFLECTED CEILING PLAN

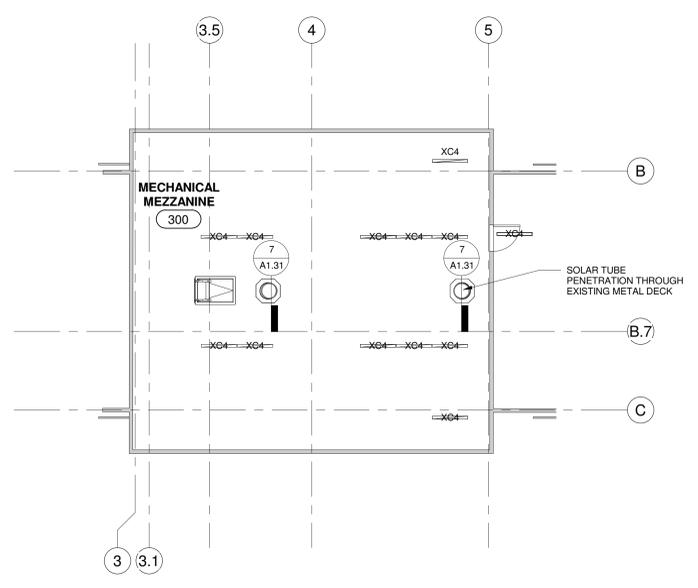
GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

ISSUE DATES		
NO.	DATE	PURPOSE

A2.03



1 THIRD FLOOR
 1/8" = 1'-0"



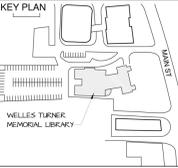
2 MECH MEZZ
 1/8" = 1'-0"

LEGEND:

	EXISTING CEILING TO REMAIN
	NEW ACT CEILING
	EXISTING GRID - NEW TILE
	DEMOLISH EXISTING GRID AND TILE
	NEW GYP. CEILING
	EXISTING GYP. CEILING
	ACOUSTIC PANEL - SECTION 098413
	FIRE RATED HORIZONTAL GWB ASSEMBLY
	CURVED ACOUSTIC PANEL - SECTION 098413
	EXISTING PLASTER CEILING
	NEW SPRINKLER HEAD
	NEW EXIT SIGN
	EXISTING EXIT SIGN TO REMAIN

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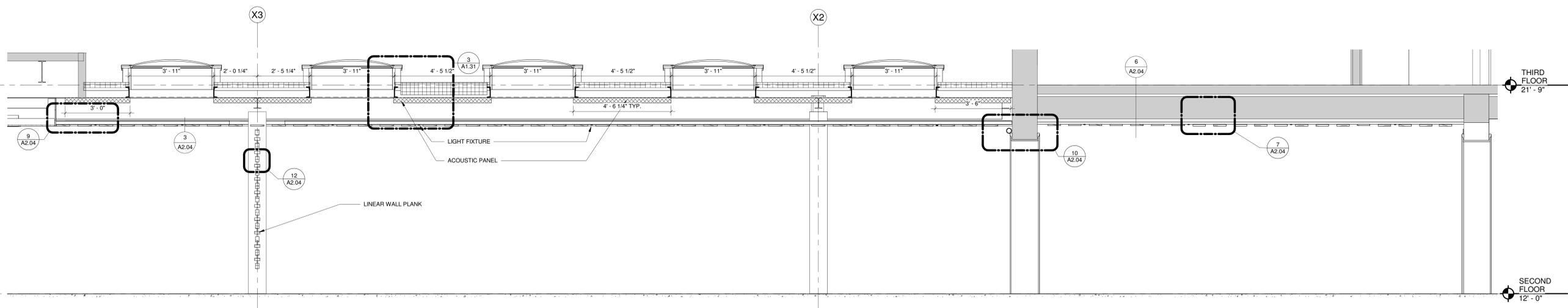
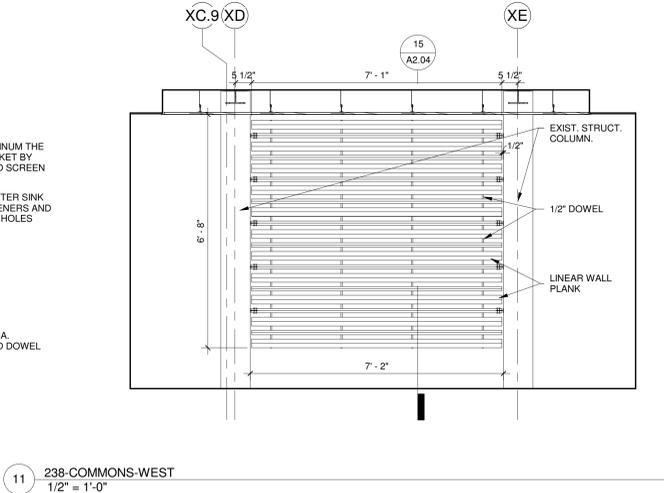
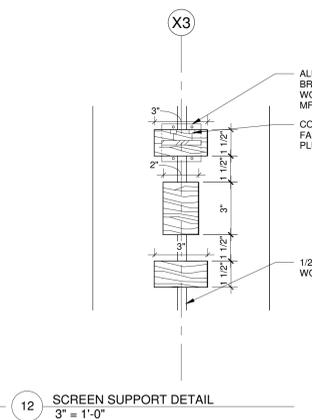
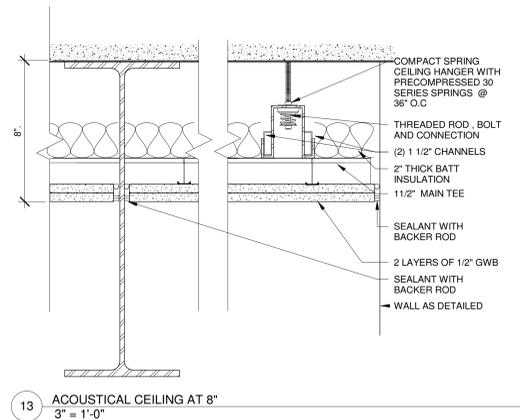
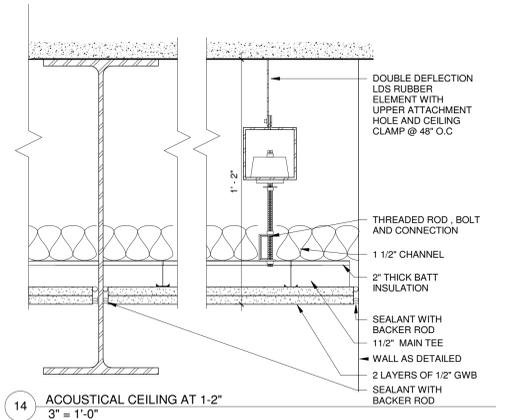
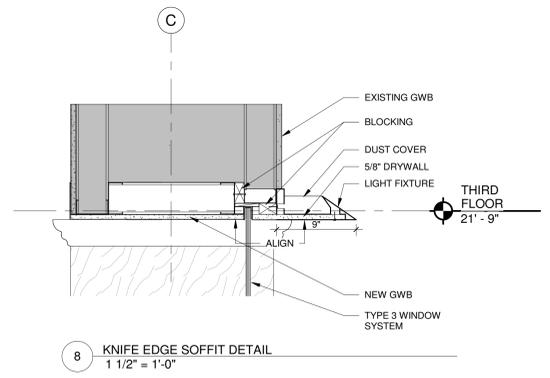
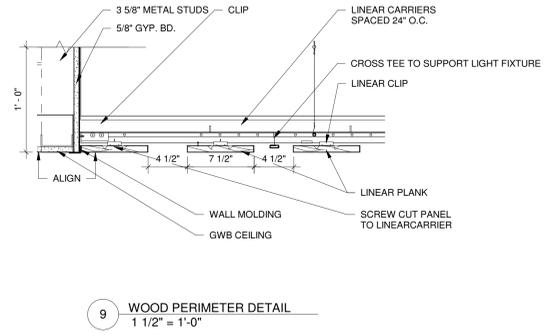
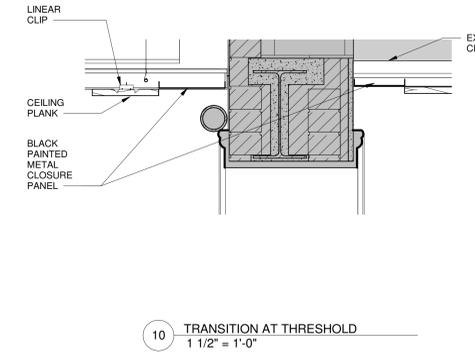
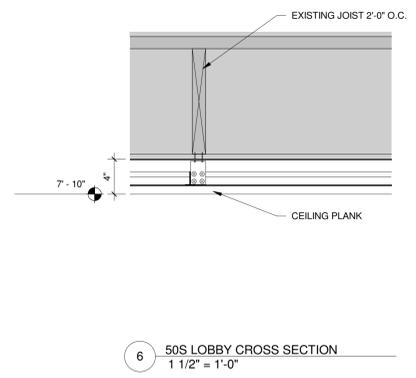
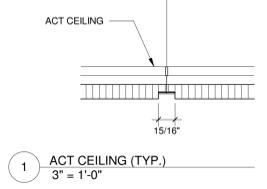
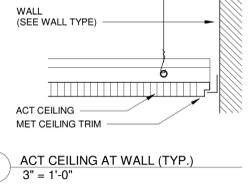
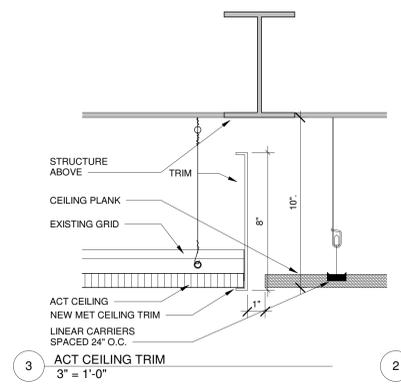
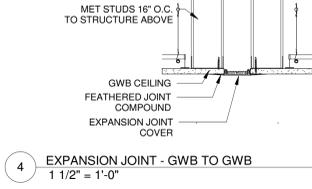
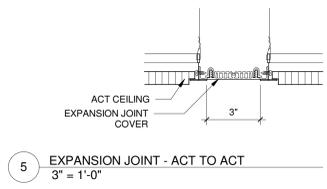
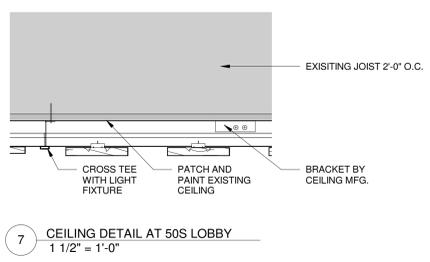
DRAWING TITLE

CEILING DETAILS

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As Indicated
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

ISSUE DATES

NO.	DATE	PURPOSE

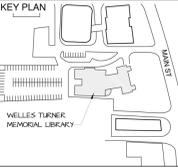


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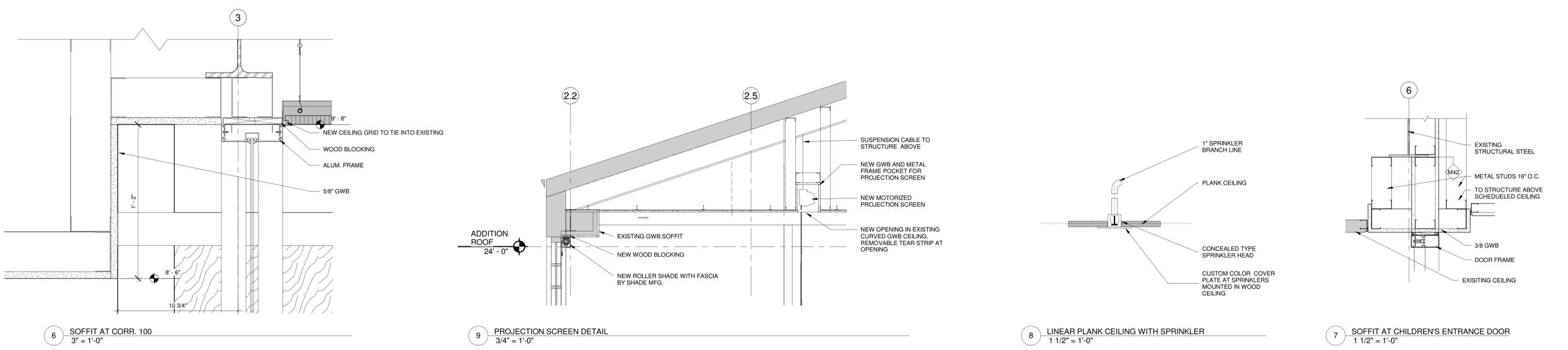
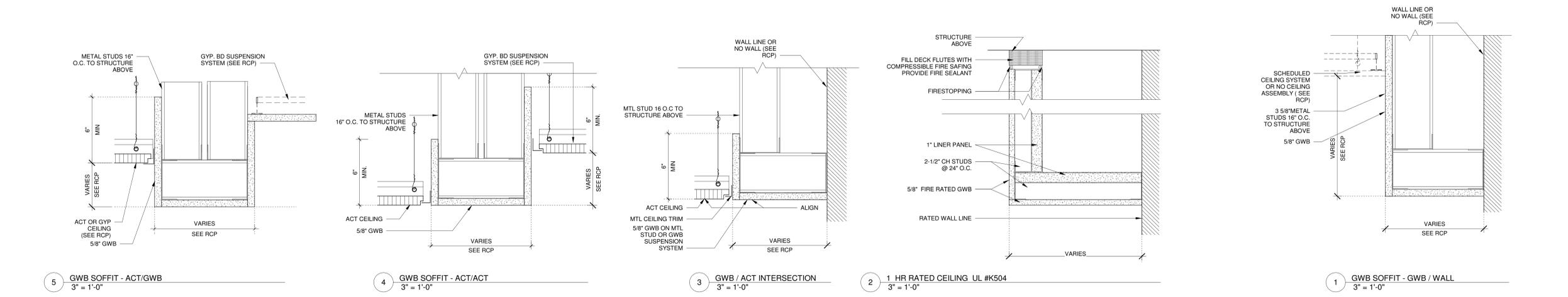


DRAWING TITLE
CEILING DETAILS

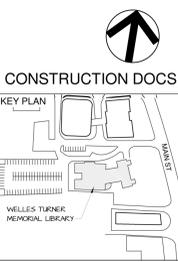
GLAST. BID NO.	GL 2020-19
PROJ. NO.	190101
SCALE	As indicated
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

ISSUE DATES		
NO.	DATE	PURPOSE

A2.05



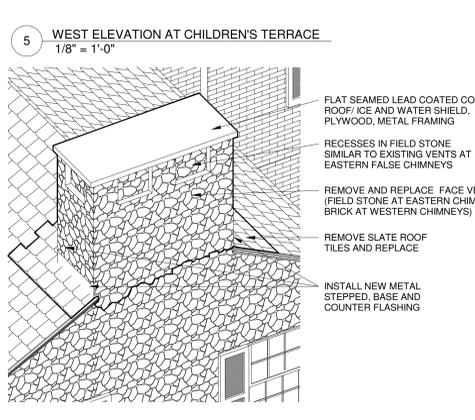
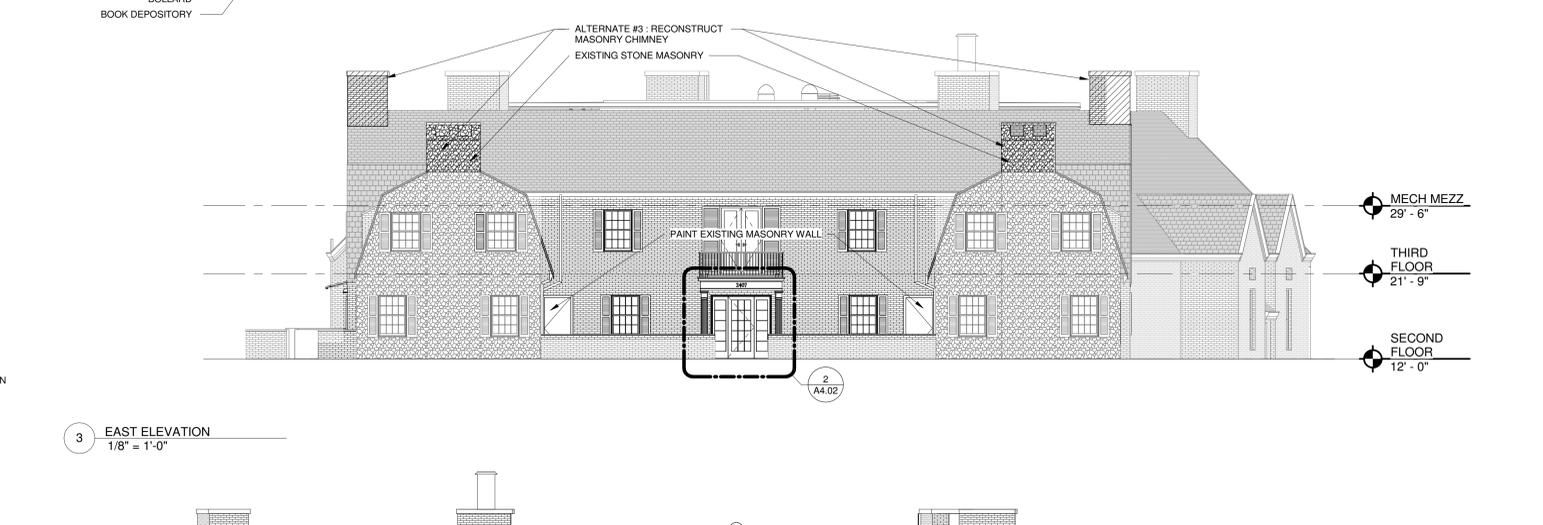
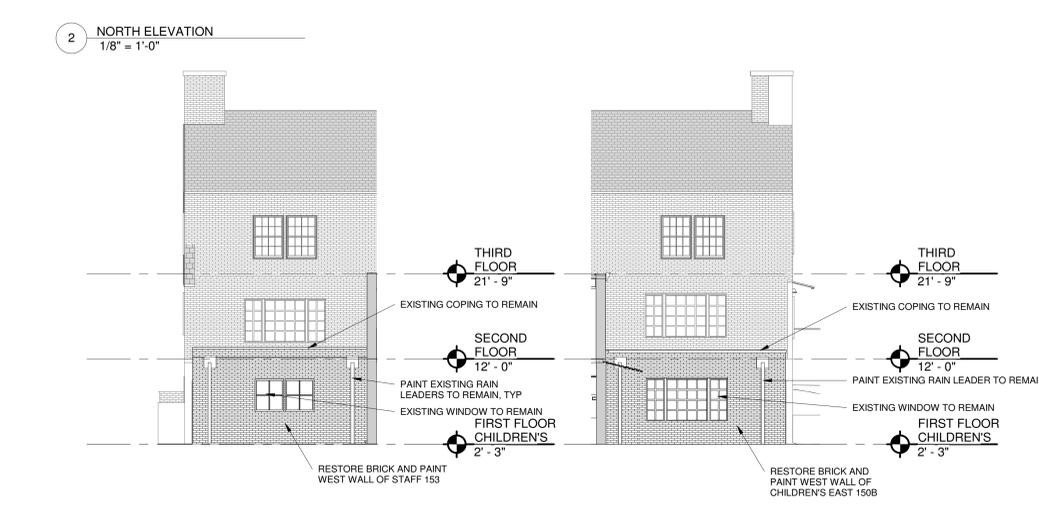
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DRAWING TITLE
BUILDING ELEVATIONS

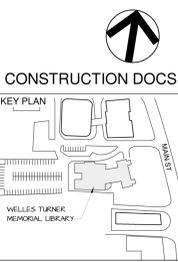
GLAST. BID NO.	GL-2020-19	
PROJ. NO.	190101	
SCALE	As indicated	
DATE	6.1.2020	
DRAWN BY	PM	
APPROVED BY	Approver	
ISSUE DATES		
NO.	DATE	PURPOSE
1	7/16/2020	P&Z FINAL SUBMISSION

A3.01



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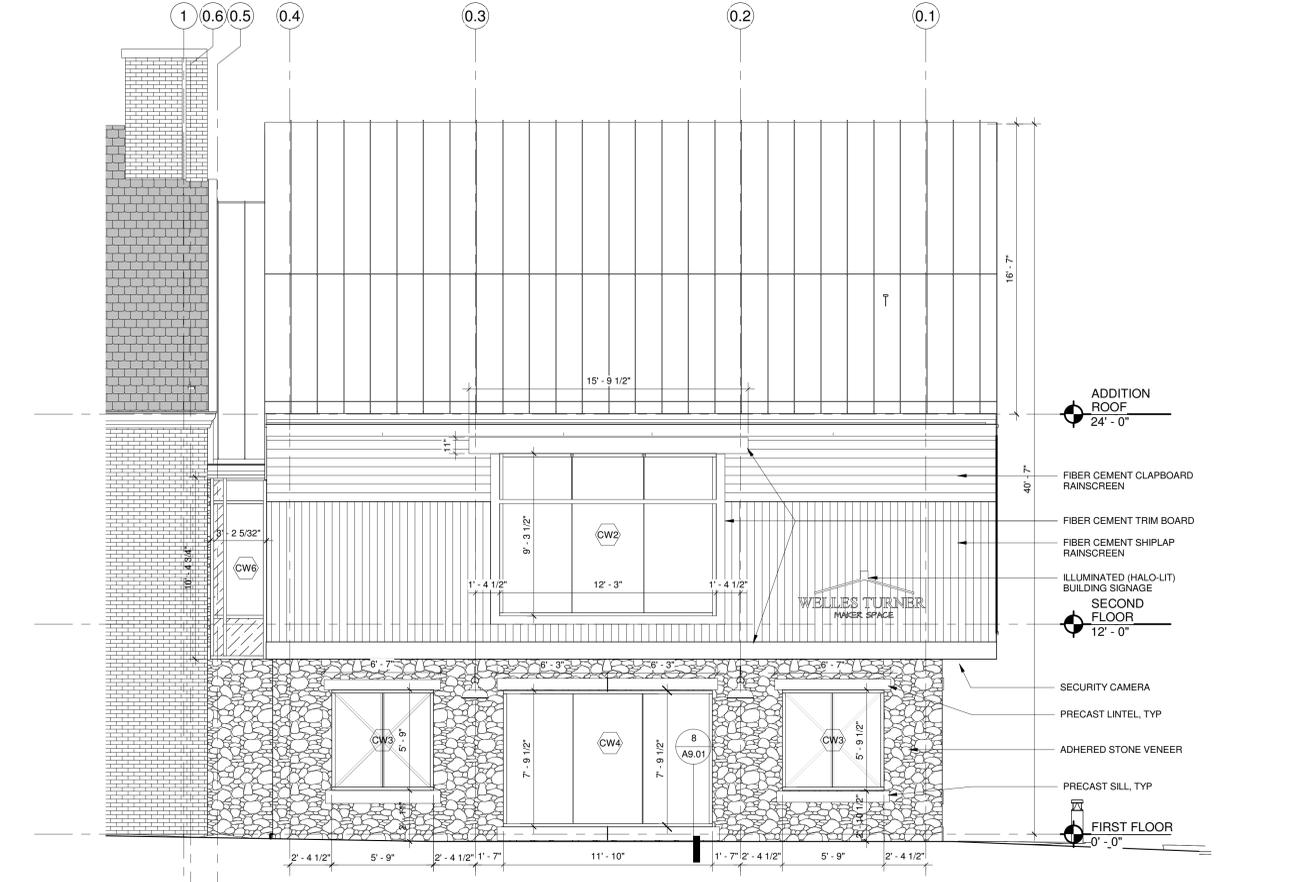
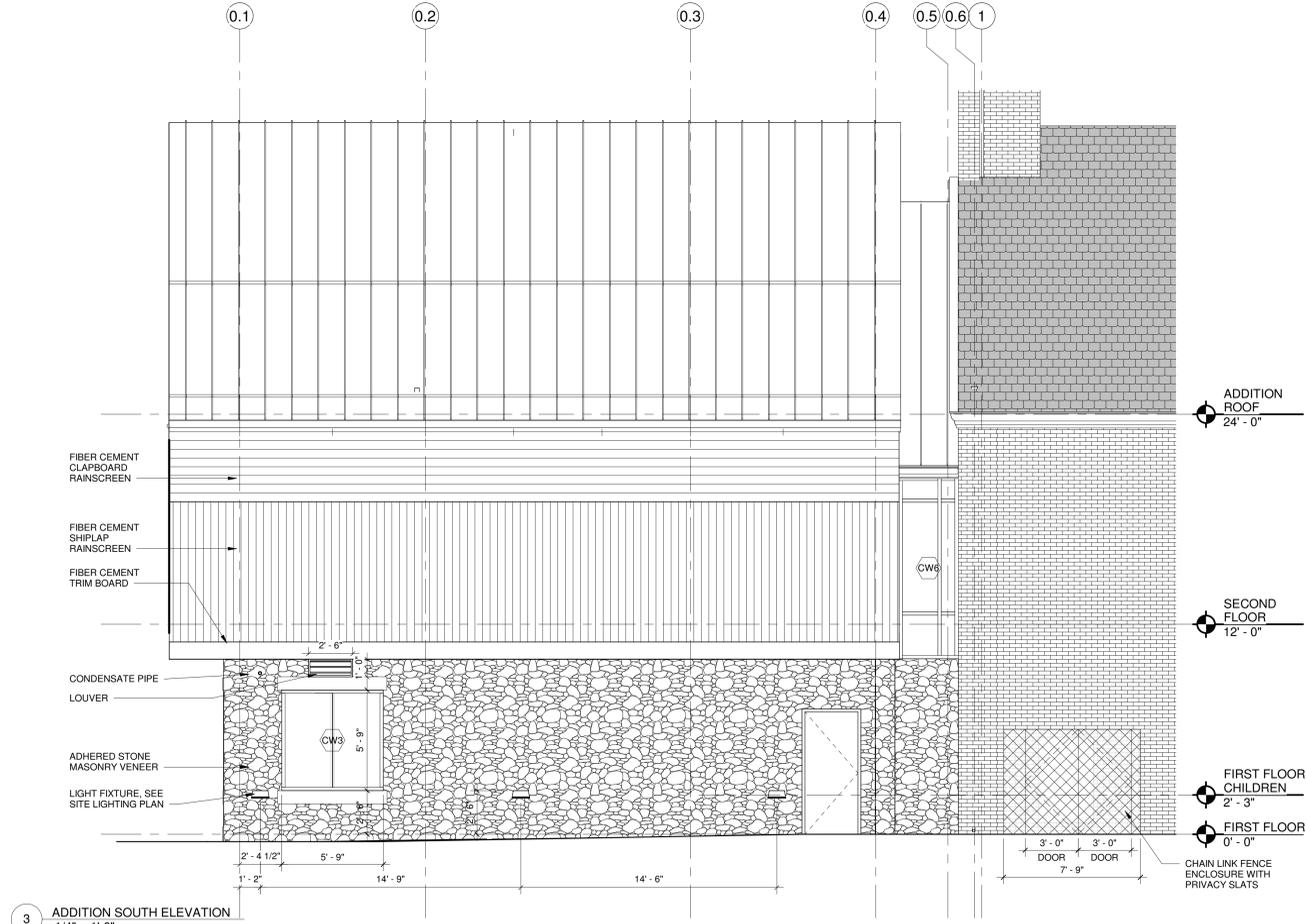
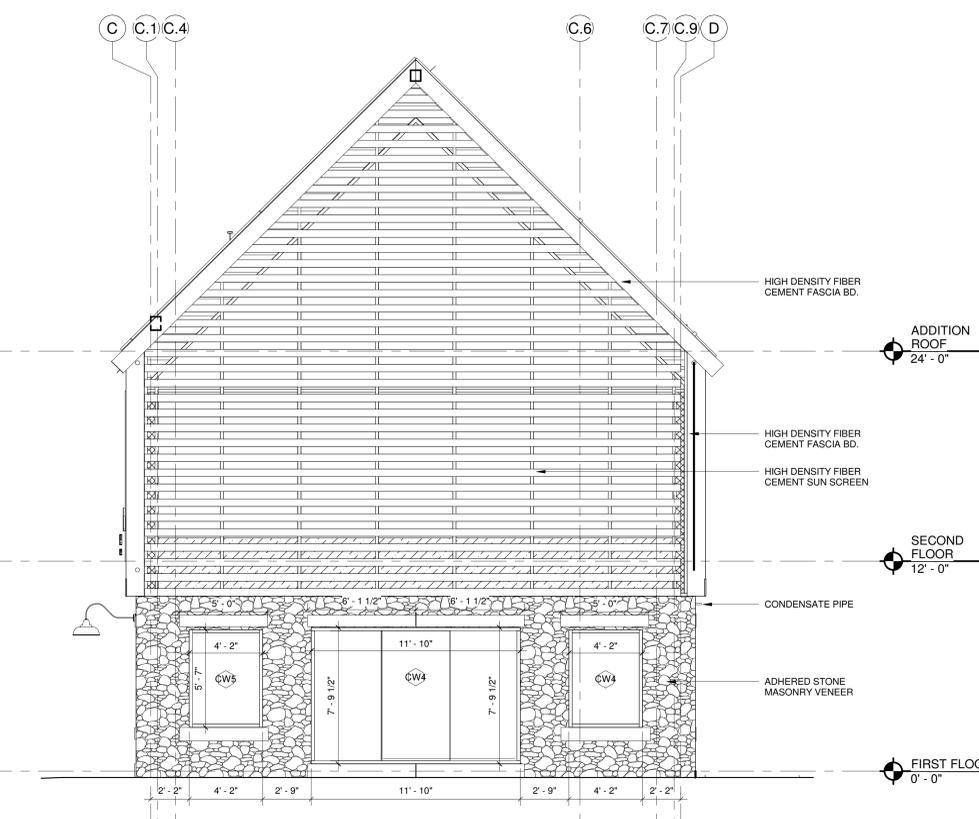
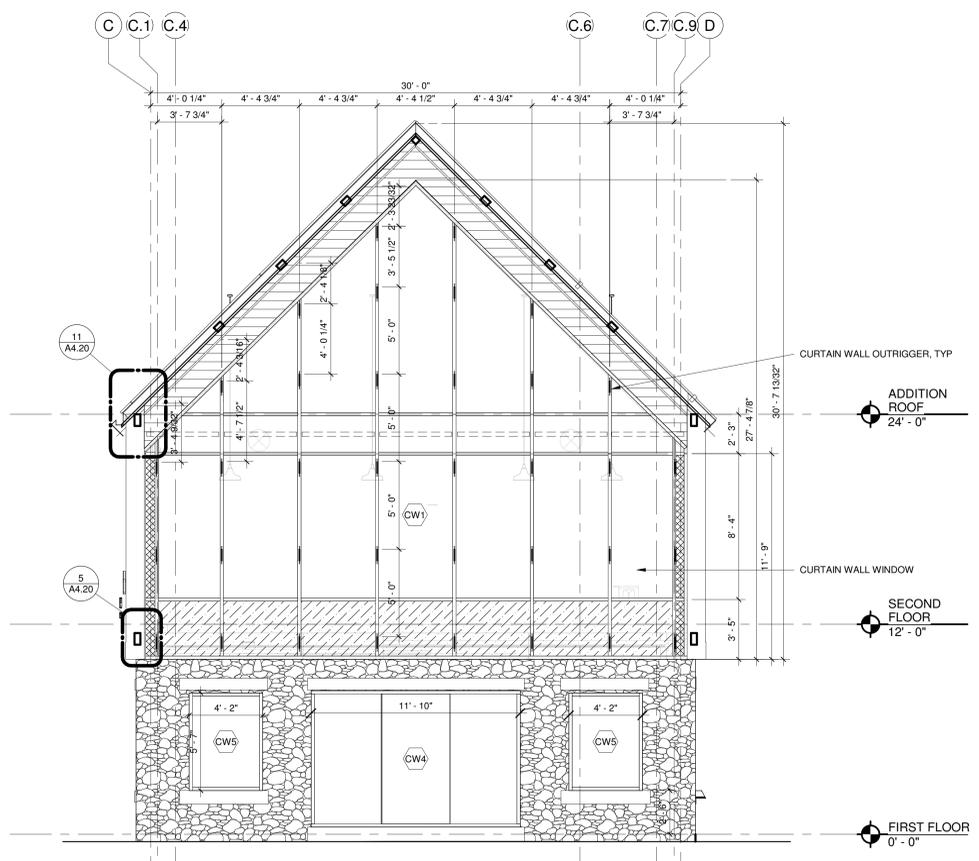
CONSTRUCTION DOCS
 KEY PLAN
 WELLES TURNER MEMORIAL LIBRARY

DRAWING TITLE
BUILDING ELEVATIONS

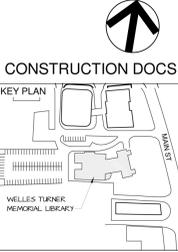
GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/4" = 1'-0"
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

ISSUE DATES		
NO.	DATE	PURPOSE
1	7/10/2020	P&Z FINAL SUBMISSION

A3.02



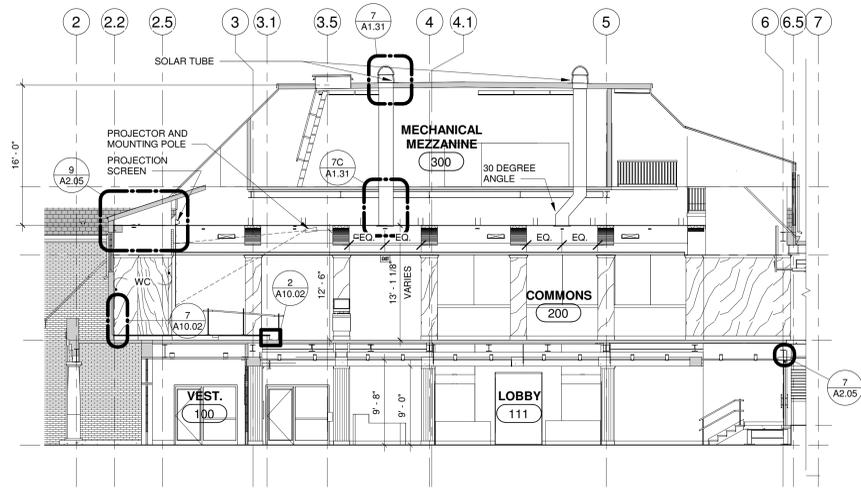
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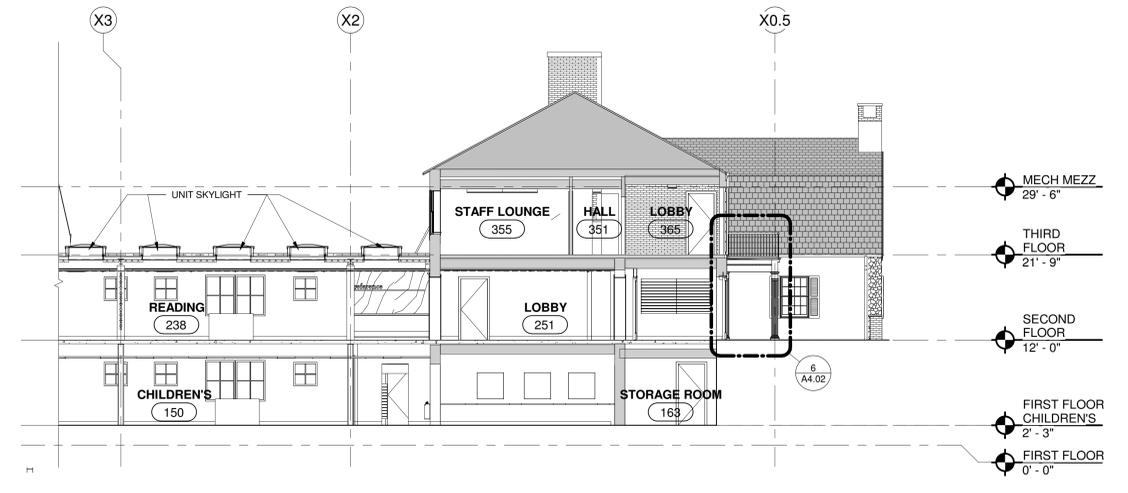
CONSTRUCTION DOCS
 KEY PLAN

BUILDING SECTIONS

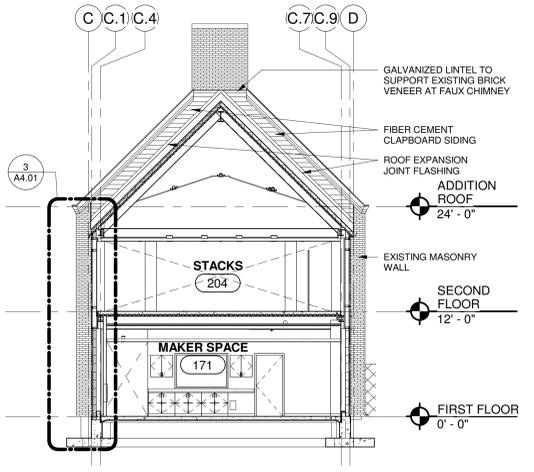
GLAST. BID NO.	GL-2020-19	
PROJ. NO.	190101	
SCALE	As indicated	
DATE	6.1.2020	
DRAWN BY	PM	
APPROVED BY	Approver	
ISSUE DATES		
NO.	DATE	PURPOSE



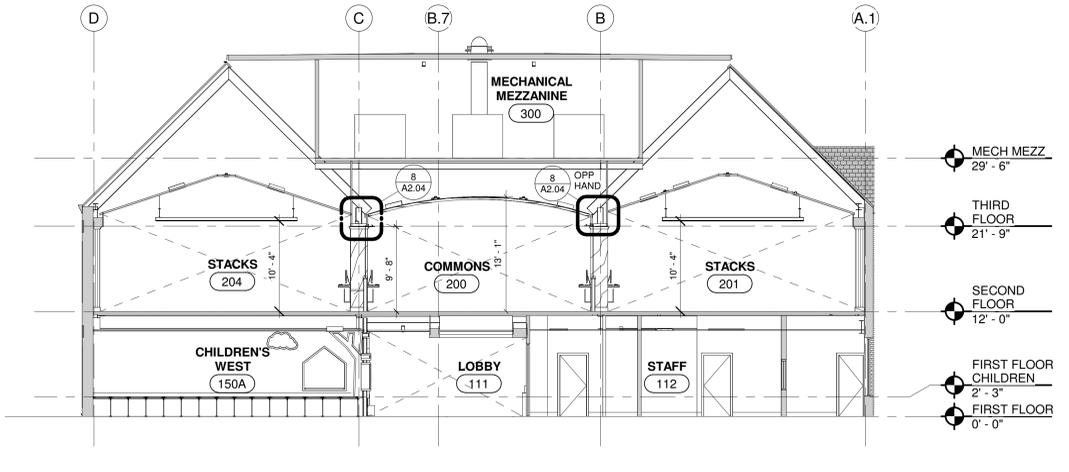
2 BUILDING SECTION
 1/8" = 1'-0"



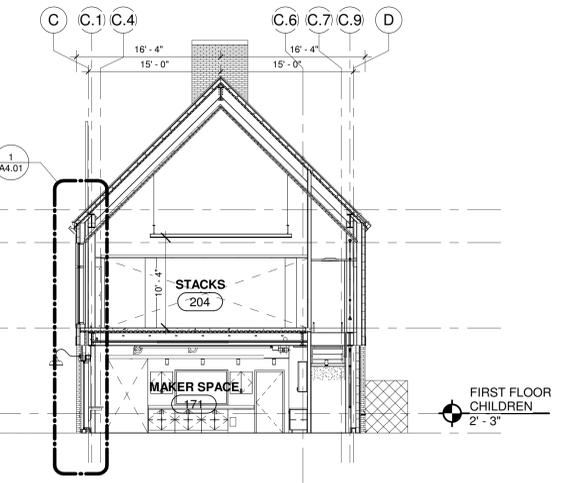
1 BUILDING SECTION
 1/8" = 1'-0"



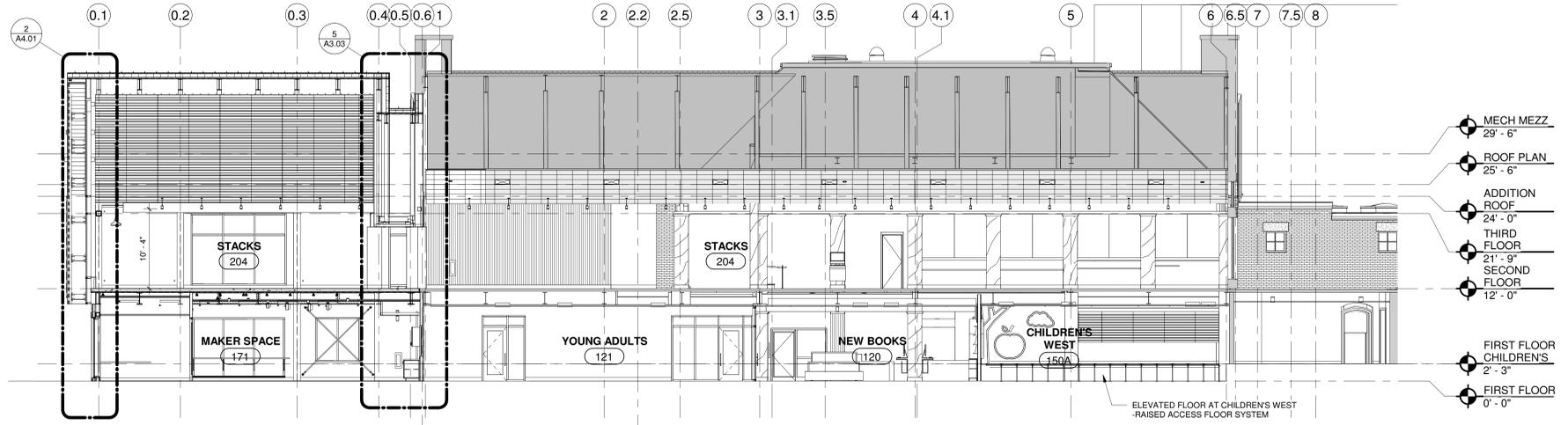
5 CROSS SECTION THROUGH CONNECTOR
 1/8" = 1'-0"



4 CROSS SECTION THROUGH COMMONS WEST
 1/8" = 1'-0"



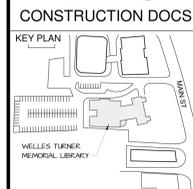
7 CROSS SECTION THROUGH ADDITION
 1/8" = 1'-0"



6 LONG SECTION THROUGH ADDITION
 1/8" = 1'-0"

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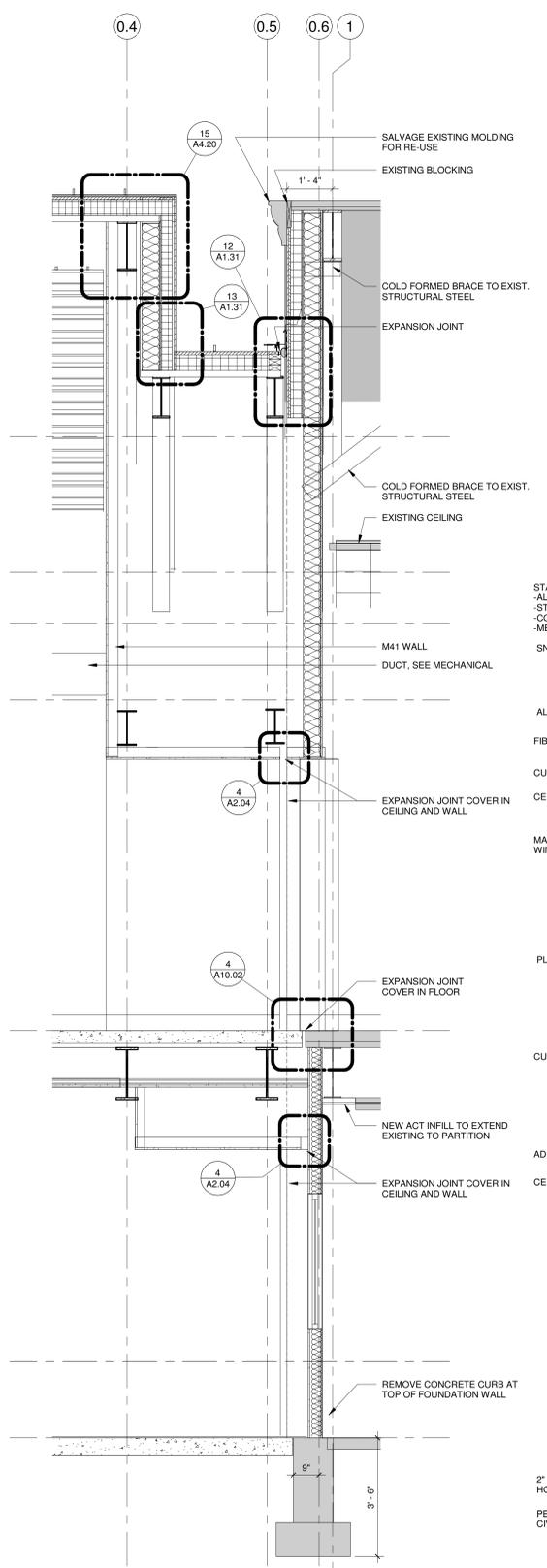
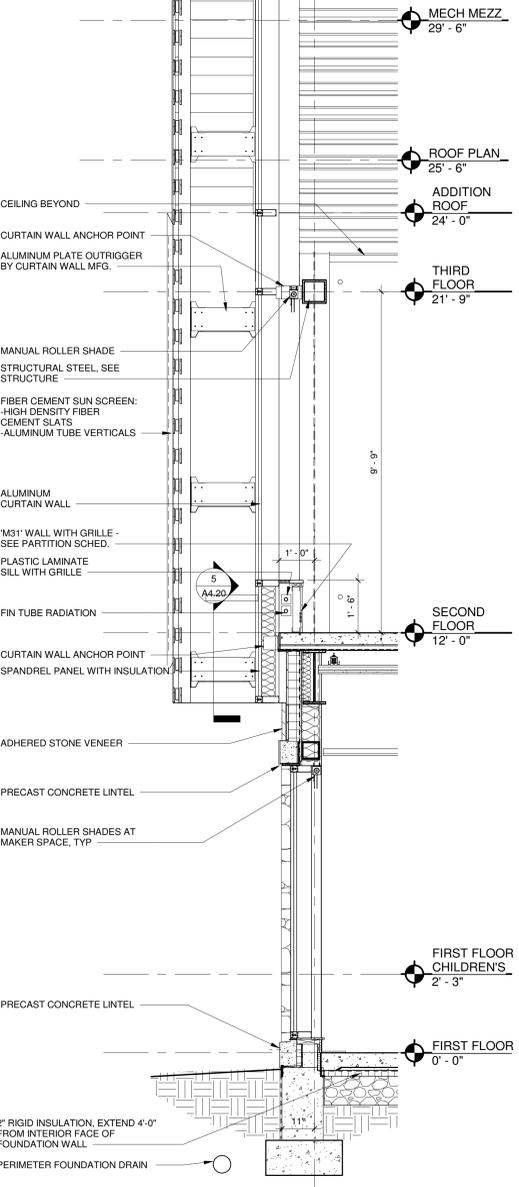
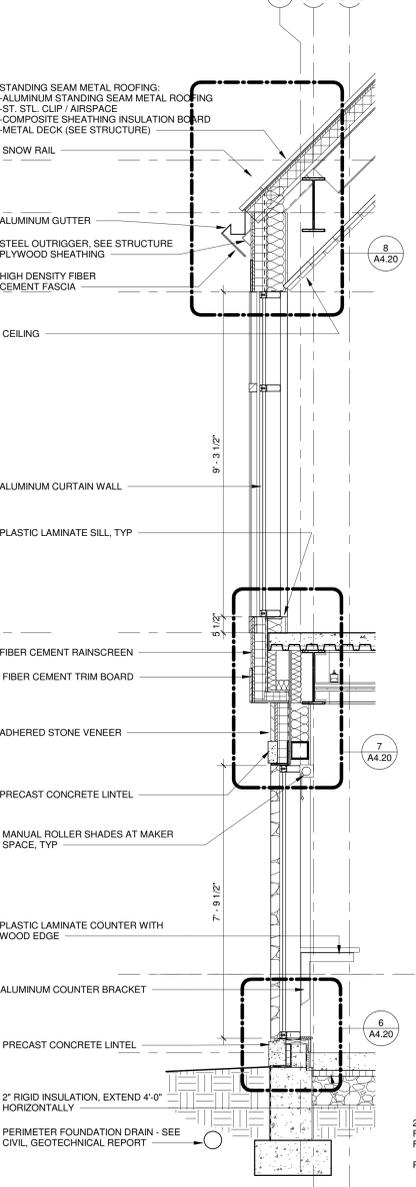
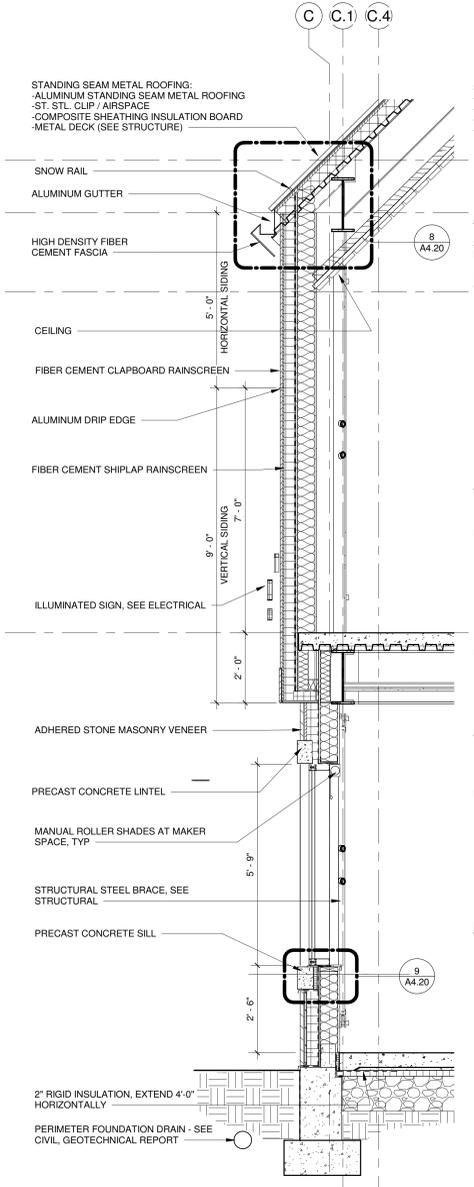
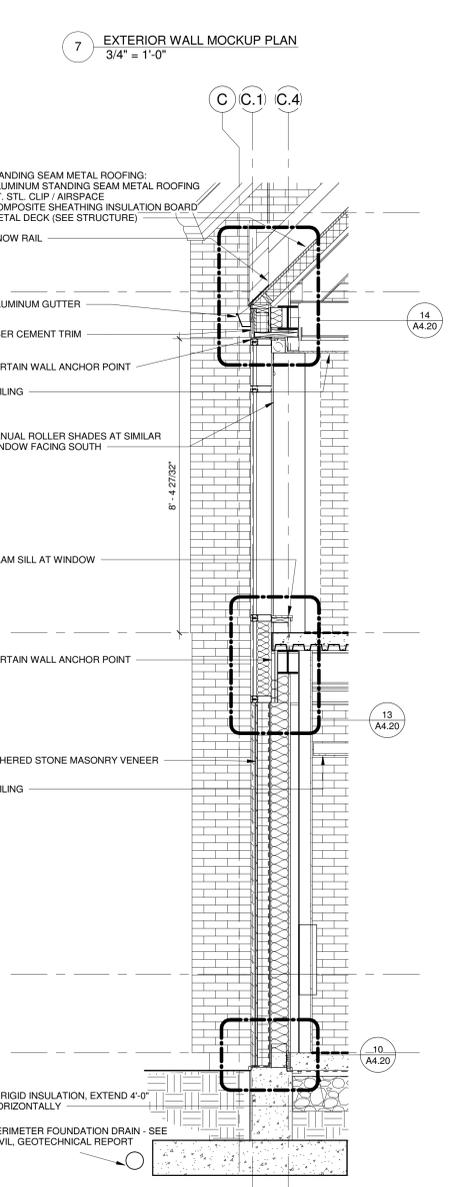
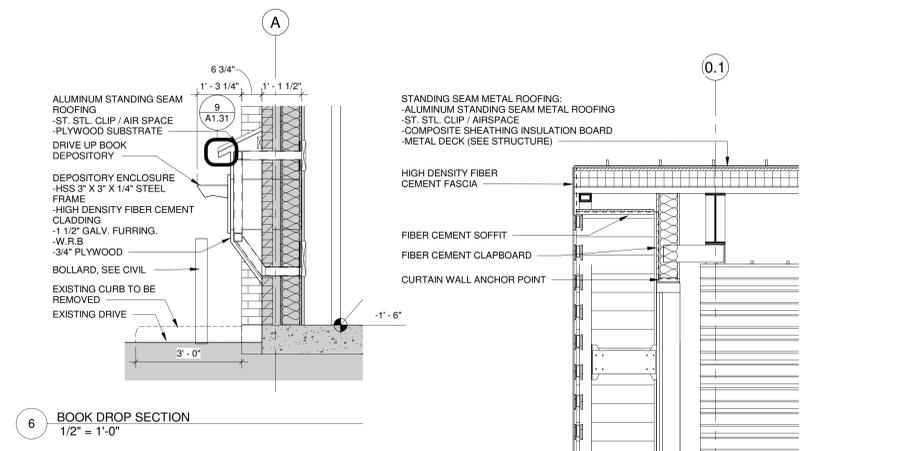
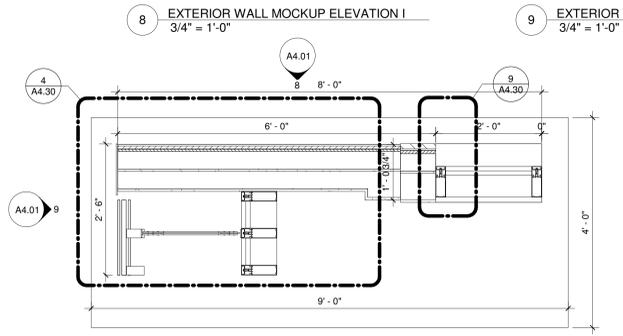
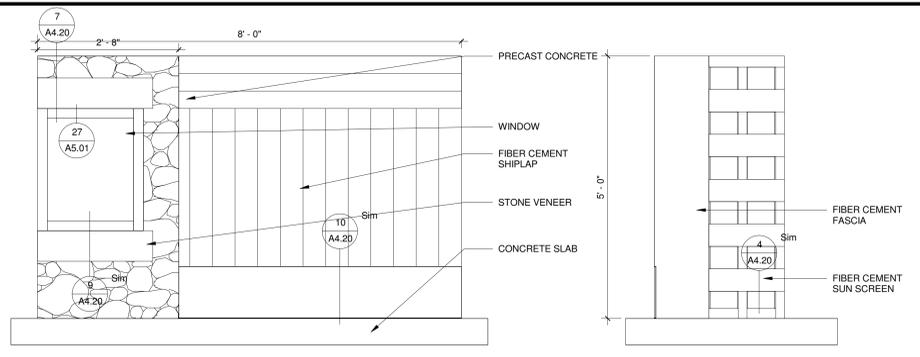


DRAWING TITLE
EXTERIOR WALL SECTIONS

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As indicated
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DRAWN BY	Author
APPROVED BY	Approver

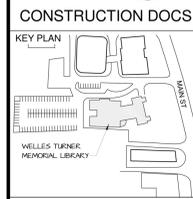
ISSUE DATES		
NO.	DATE	PURPOSE

A4.01



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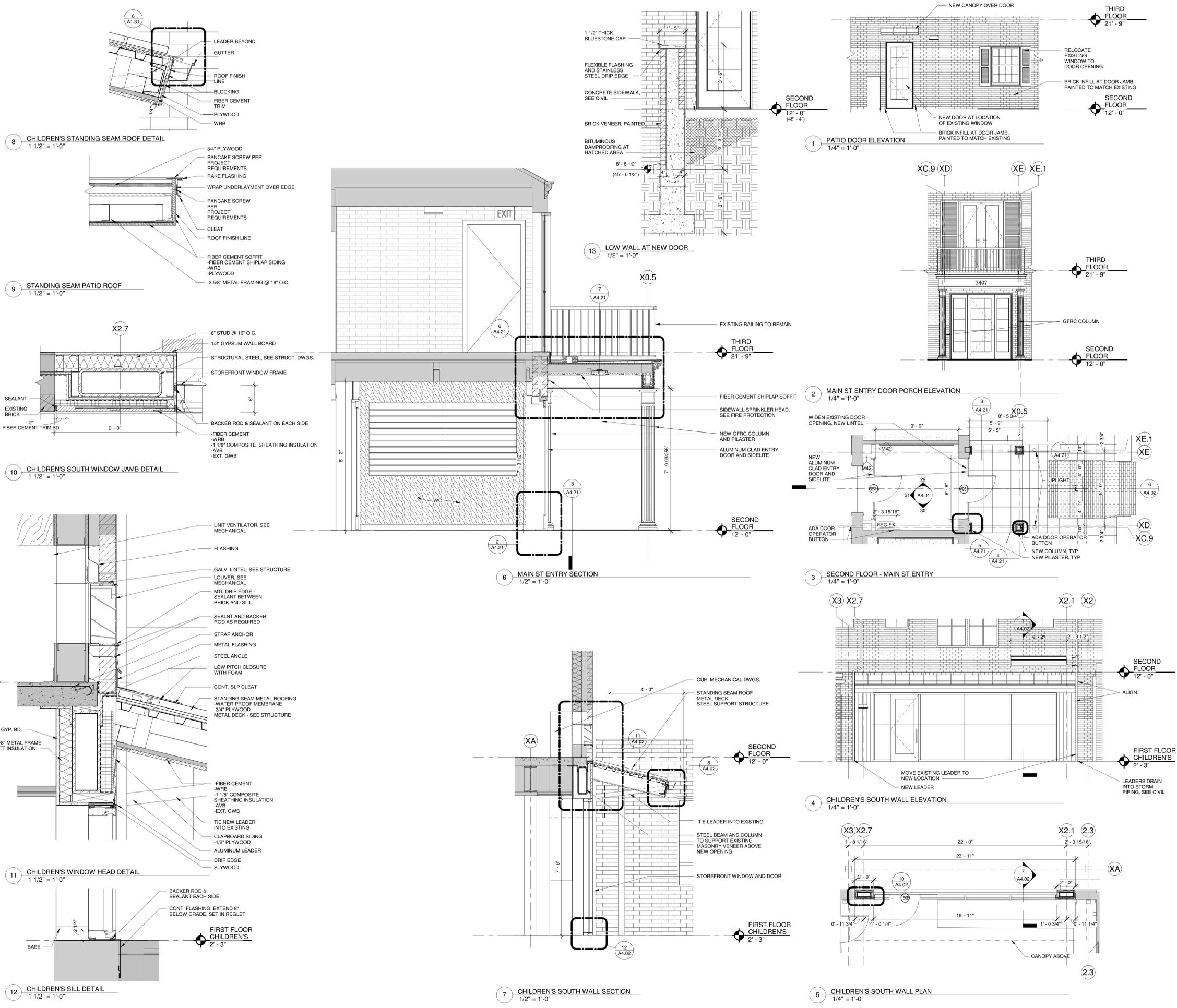


DRAWING TITLE
EXTERIOR WALL SECTIONS AND ELEVATIONS

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As indicated
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

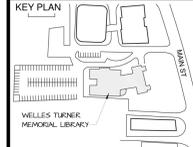
ISSUE DATES		
NO.	DATE	PURPOSE

A4.02



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CONSTRUCTION DOCS

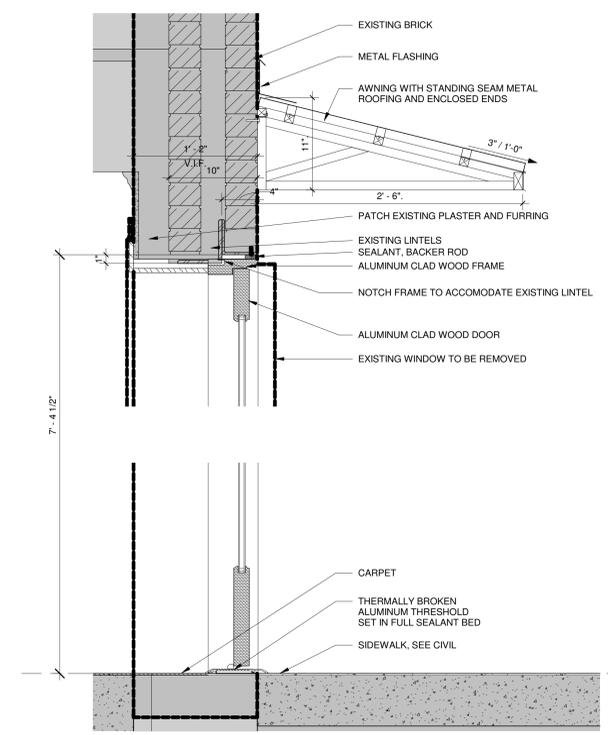


DRAWING TITLE
EXTERIOR SECTION DETAILS II

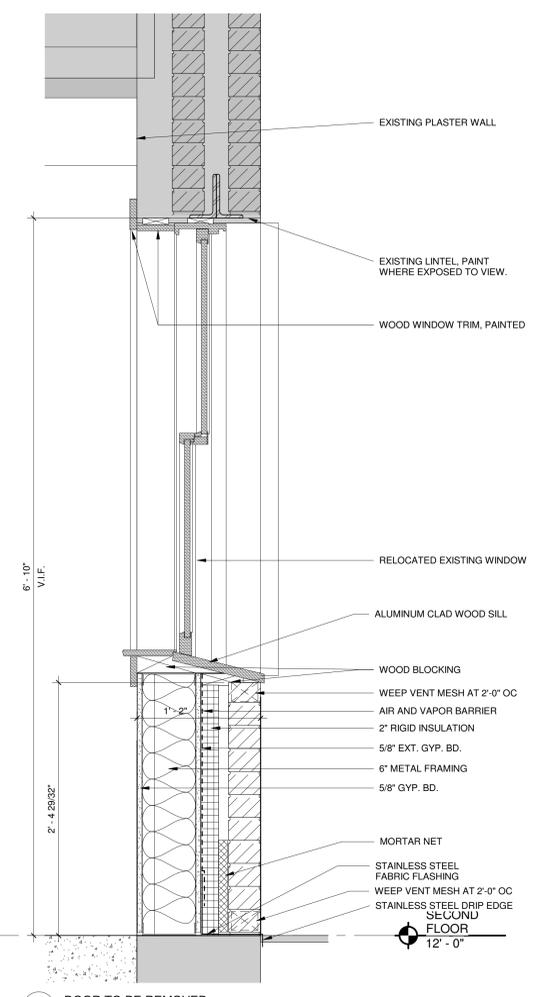
GLAST. BID NO.	GL2020-19
PROJ. NO.	190101
SCALE	As indicated
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

ISSUE DATES		
NO.	DATE	PURPOSE

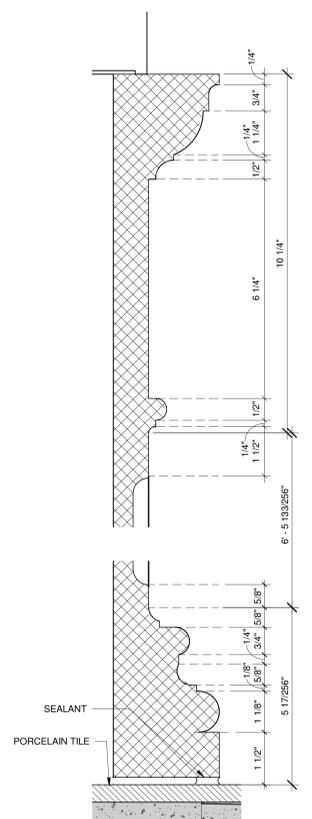
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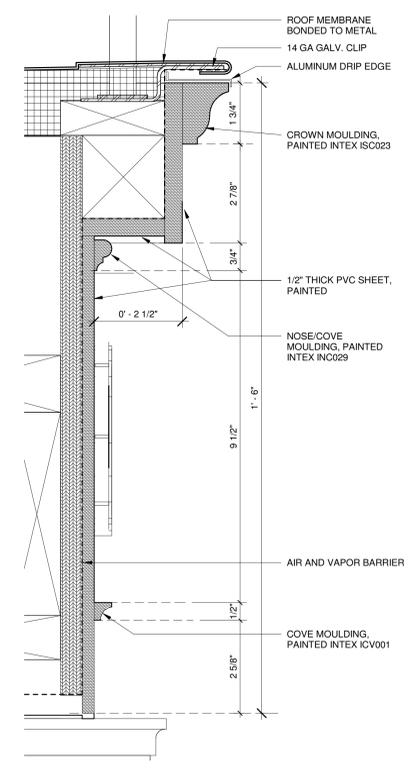
14 ROOF AT GALLERY DOOR
 1 1/2" = 1'-0"



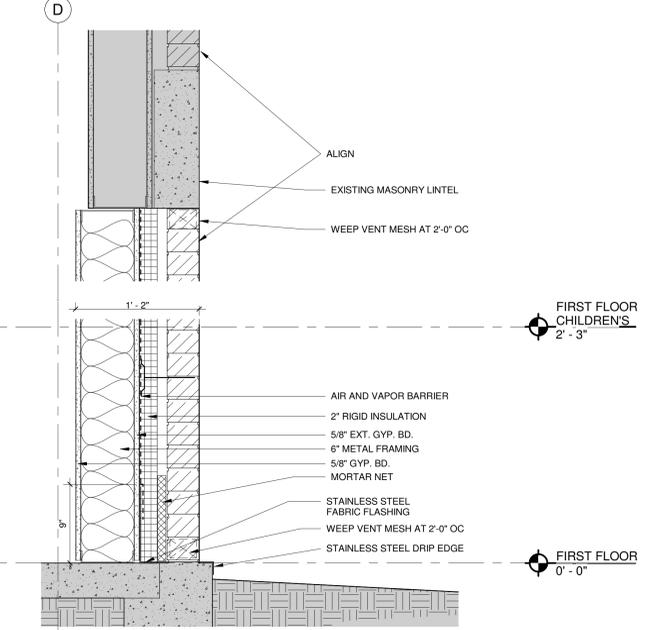
13 DOOR TO BE REMOVED
 1 1/2" = 1'-0"



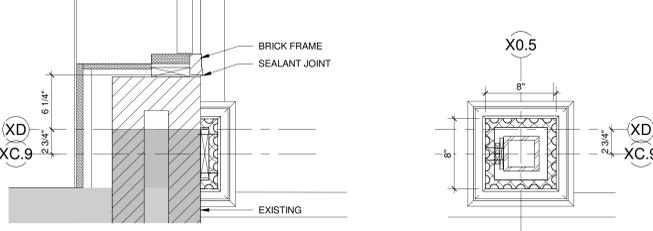
11 COLUMN BASE PROFILE, TYPICAL
 6" = 1'-0"



10 CORNICE DETAIL
 6" = 1'-0"

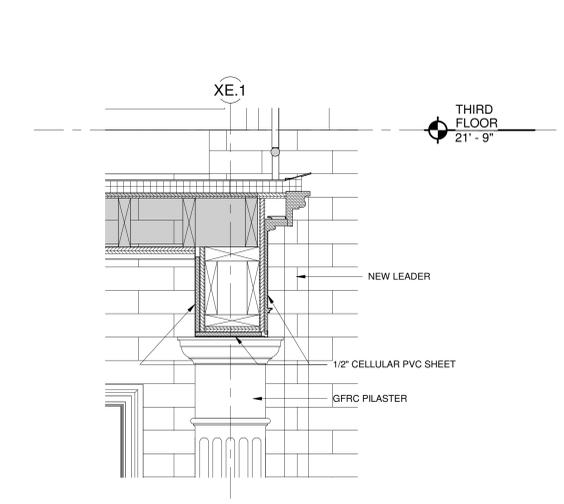


8 SECTION AT INFILL MASONRY
 1 1/2" = 1'-0"

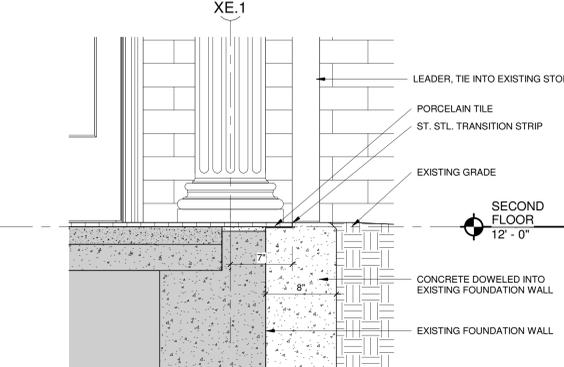


5 PILASTER PLAN DETAIL
 1 1/2" = 1'-0"

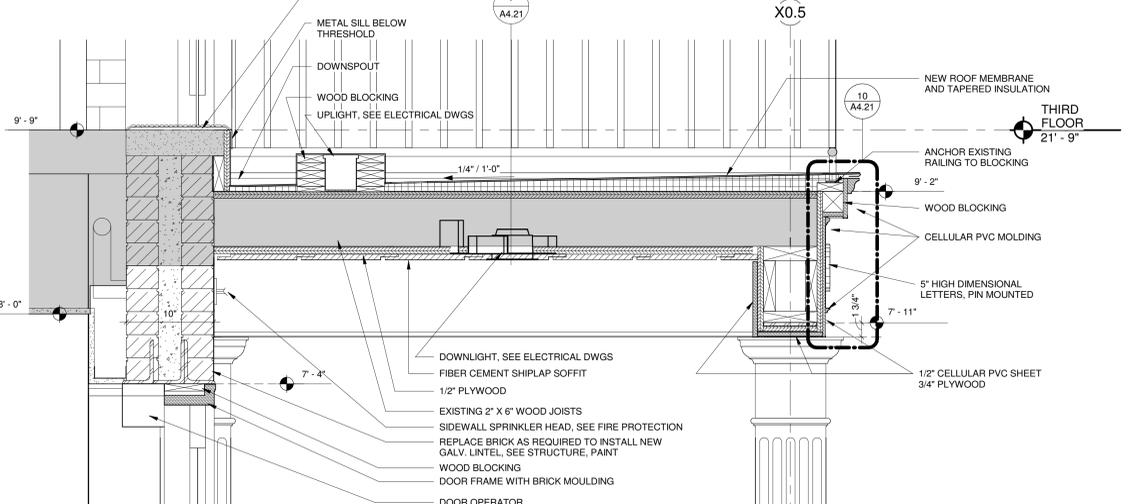
4 COLUMN PLAN DETAIL
 1 1/2" = 1'-0"



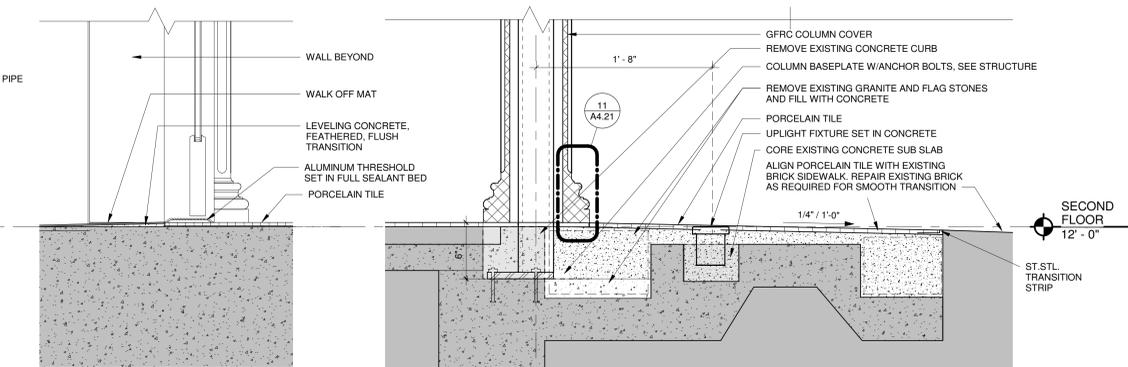
7 MAIN ST CANOPY CROSS SECTION
 1 1/2" = 1'-0"



3 MAIN ST ENTRY CROSS SECTION AT GRADE
 1 1/2" = 1'-0"



6 MAIN ST CANOPY SECTION
 1 1/2" = 1'-0"



2 MAIN ENTRANCE - THRESHOLD DETAIL
 1 1/2" = 1'-0"

1 MAIN STREET ENTRANCE - COLUMN BASE DETAIL
 1 1/2" = 1'-0"

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CONSTRUCTION DOCS
 KEY PLAN

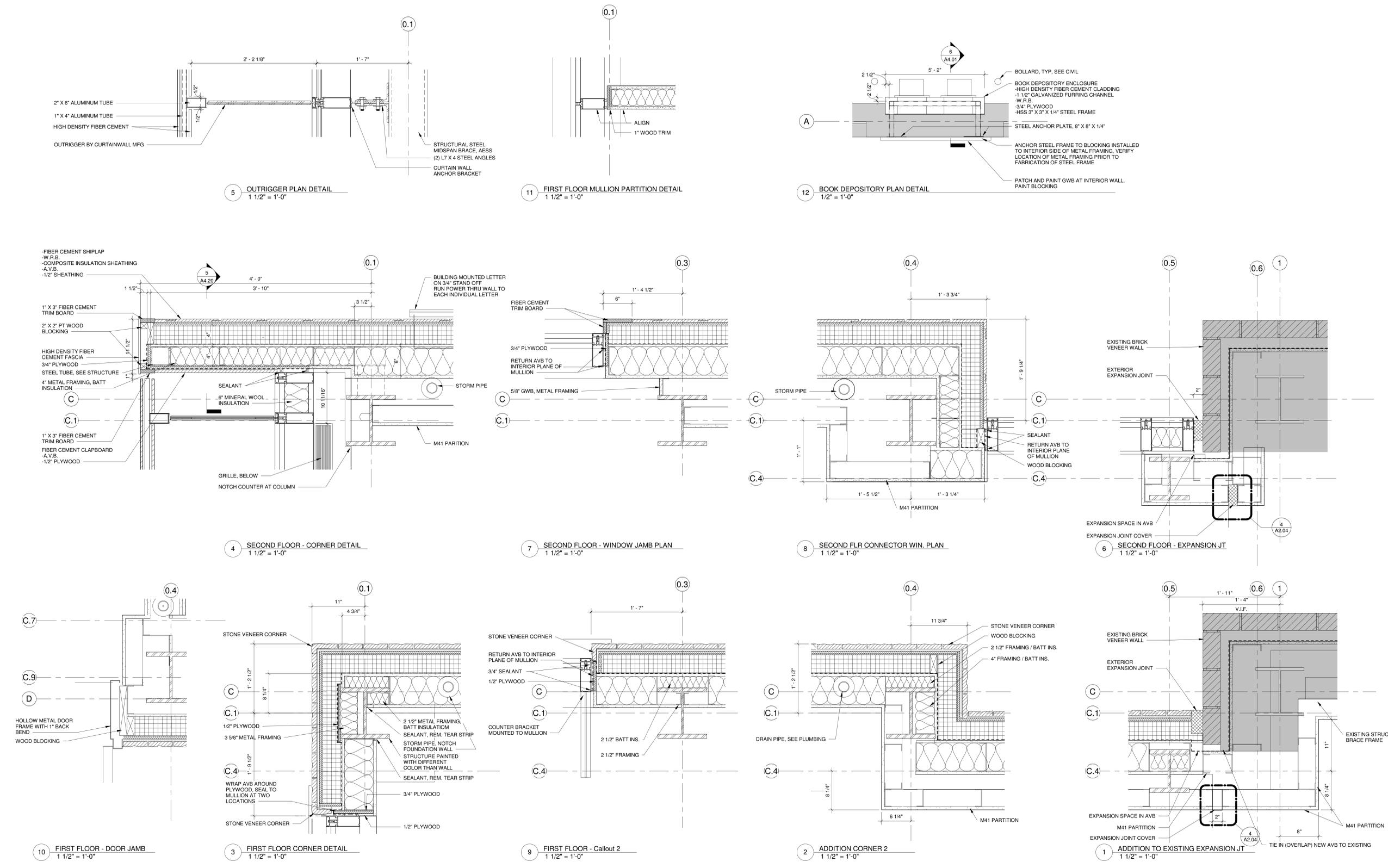
 WELLES TURNER MEMORIAL LIBRARY

DRAWING TITLE
EXTERIOR PLAN DETAIL ADDITION

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
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ISSUE DATES		
NO.	DATE	PURPOSE

A4.30



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SCALE	As indicated
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ISSUE DATES

NO.	DATE	PURPOSE

WINDOW LEGEND

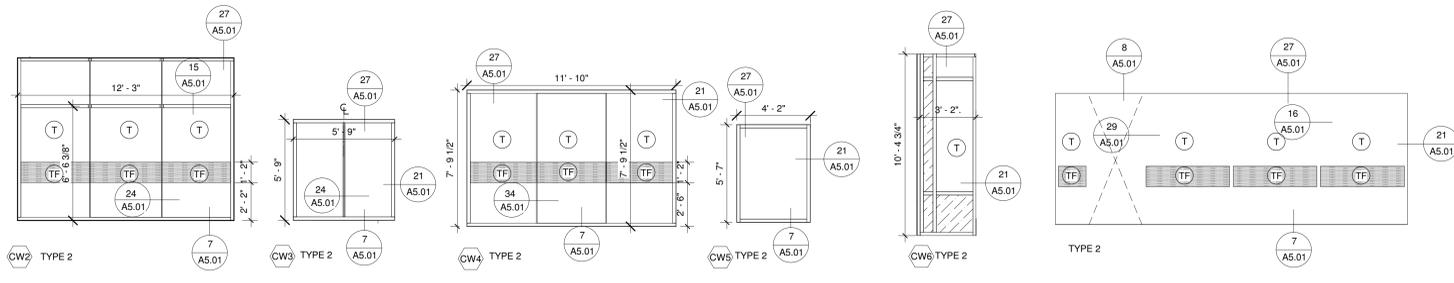
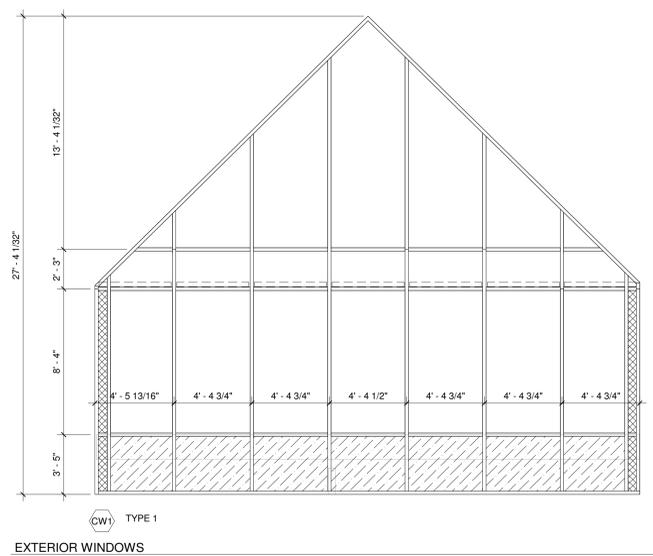
- ALL OPENINGS SHALL BE FIELD VERIFIED.
- ALL WOOD BLOCKING USED AT JAMB, SILL AND HEAD OF WINDOW, LOUVER AND CURTAIN WALL TO BE FIRE RETARDANT TREATED WOOD (FRTW).
- ALL EXTERIOR GLASS IS INSULATED.

- L LAMINATED GLASS
- T FULLY TEMPERED GLASS
- TF TRANSPARENT FILM ON GLASS
- SPANDREL GLASS
- METAL PANEL INFILL

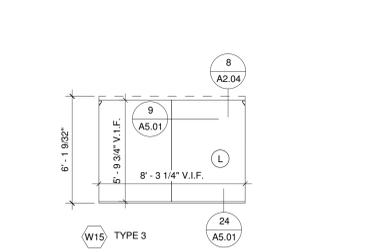
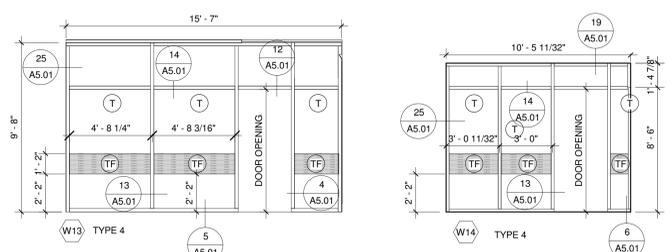
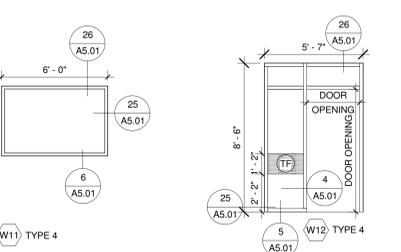
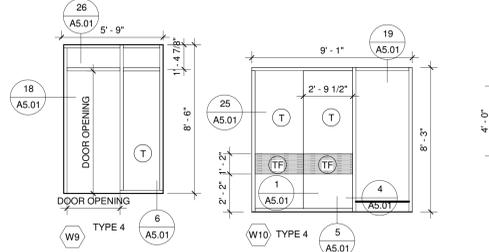
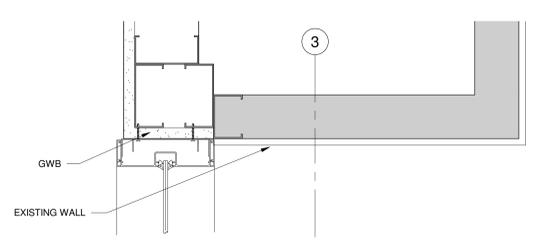
WINDOW TYPES

EXTERIOR
 TYPE 1: EXTERIOR CURTAIN WALL
 TYPE 2: EXTERIOR ALUMINUM STOREFRONT

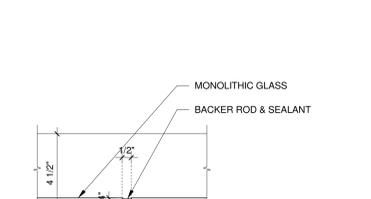
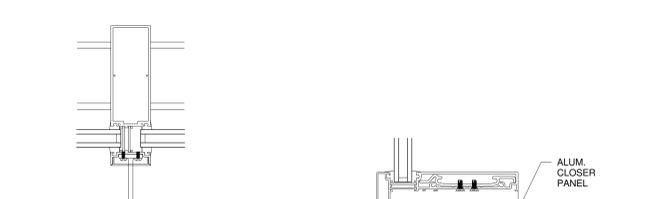
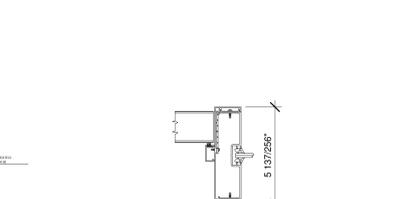
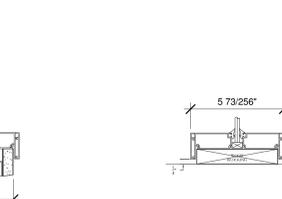
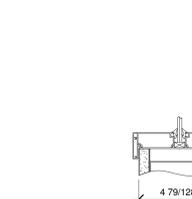
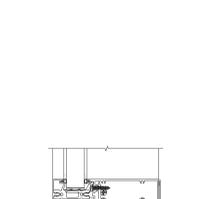
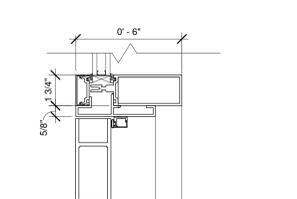
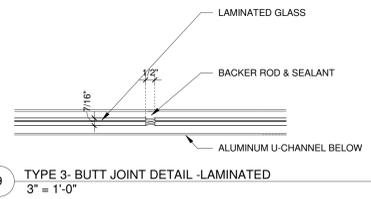
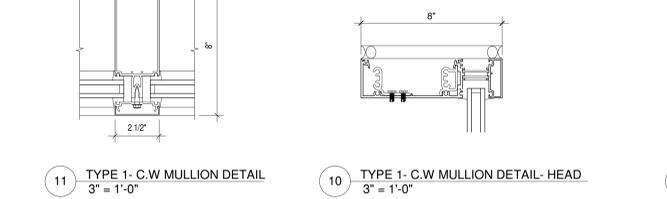
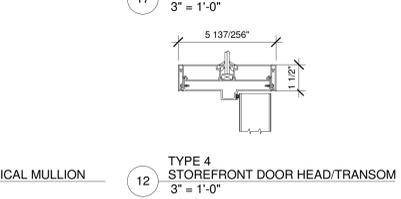
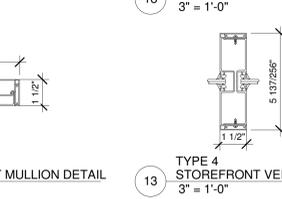
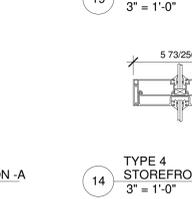
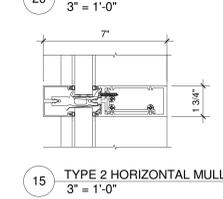
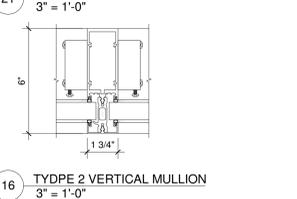
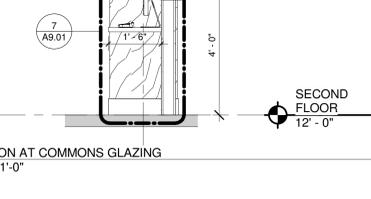
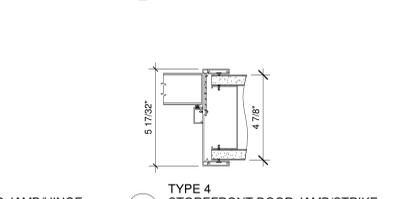
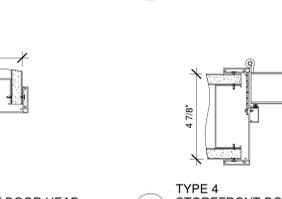
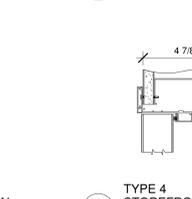
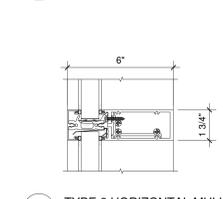
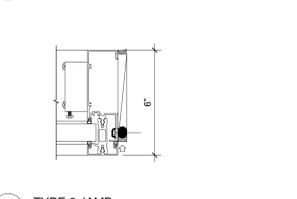
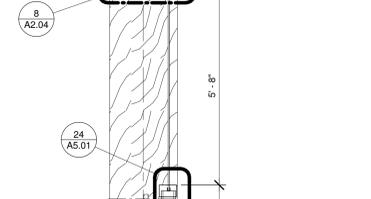
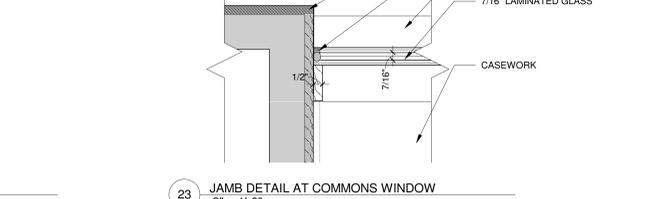
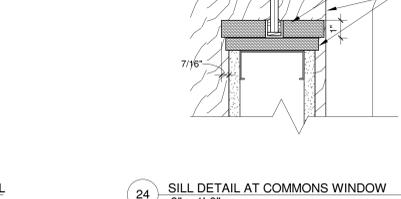
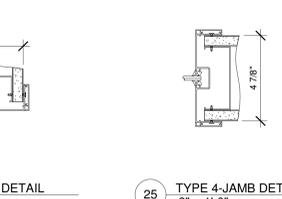
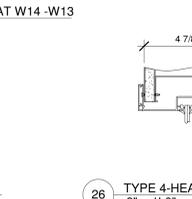
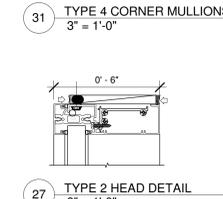
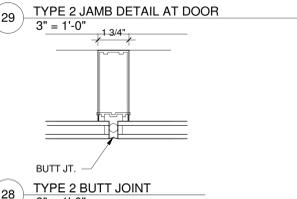
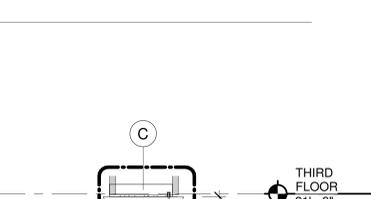
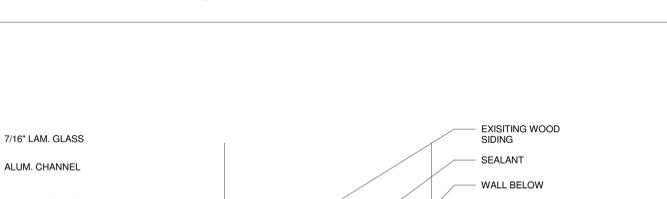
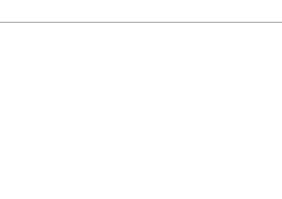
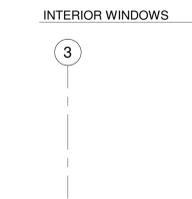
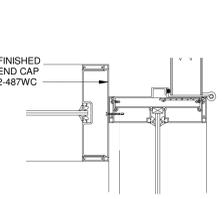
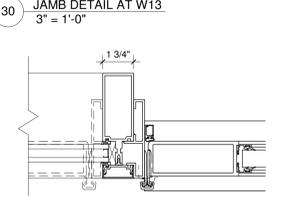
INTERIOR
 TYPE 3: INTERIOR ALL-GLASS STOREFRONT
 TYPE 4: INTERIOR ALUMINUM FRAMES



EXTERIOR WINDOWS



INTERIOR WINDOWS



TYPE 2 HEAD DETAIL AT DOOR 3\"/>

TYPE 2 SILL 3\"/>

TYPE 4 STOREFRONT SILL DETAIL 3\"/>

TYPE 4 STOREFRONT SILL DETAIL AT FLOOR 3\"/>

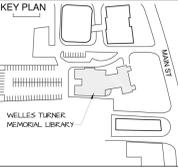
TYPE 4 STOREFRONT DOOR JAMB W/SIDELITE 3\"/>

TYPE 1-C.W MULLION DETAIL - MULLION 3\"/>

TYPE 4-BUTT JOINT DETAIL LAMINATED GLASS 3\"/>

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CONSTRUCTION DOCS



DRAWING TITLE

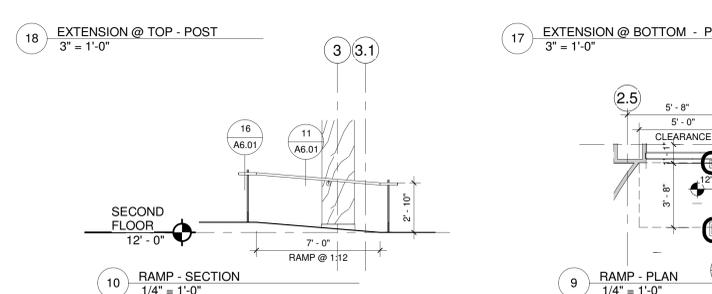
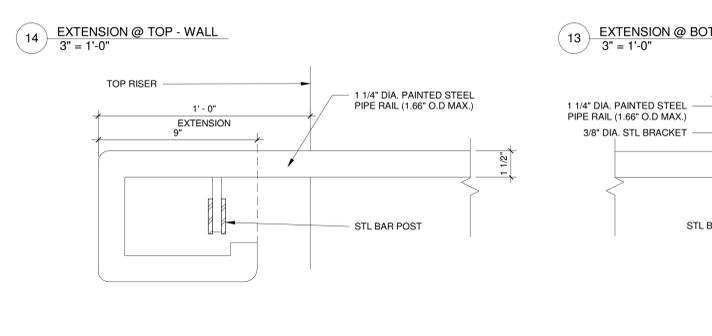
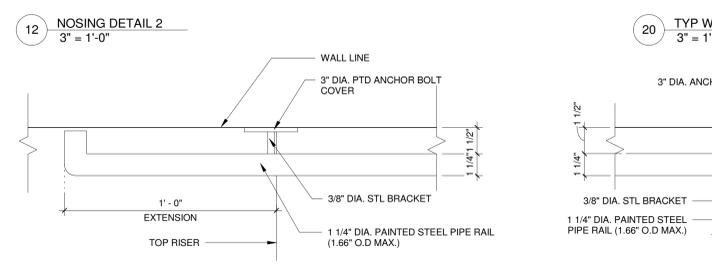
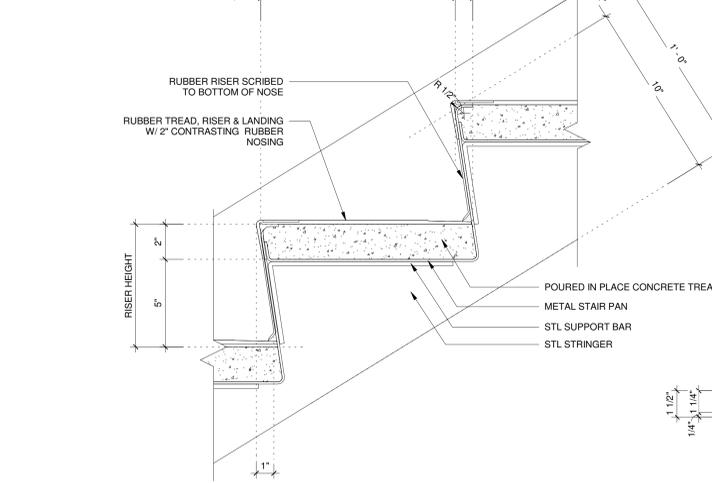
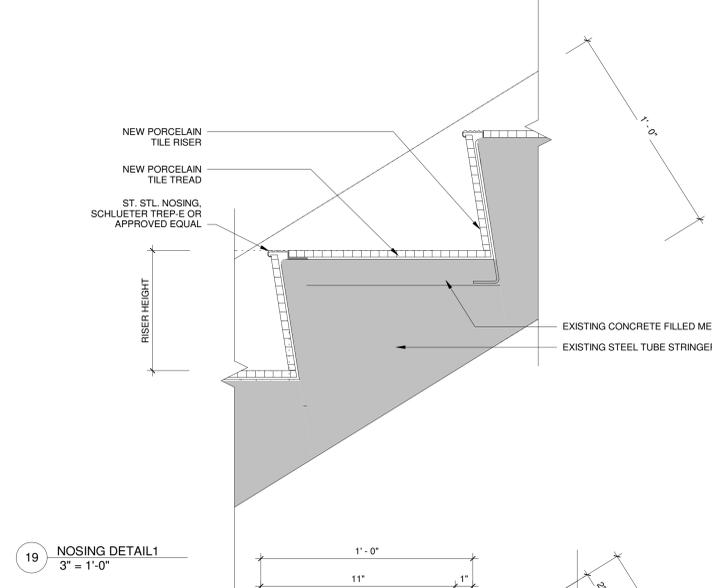
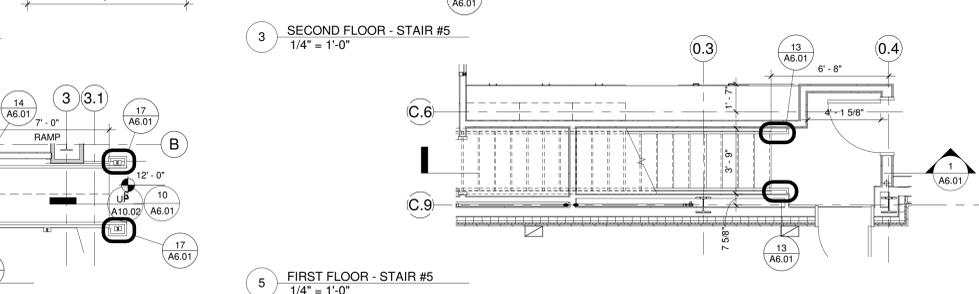
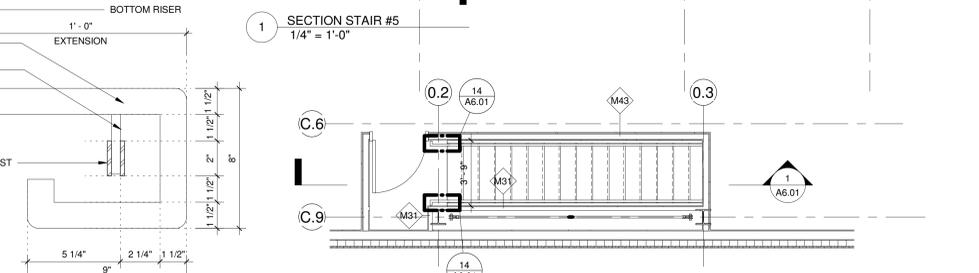
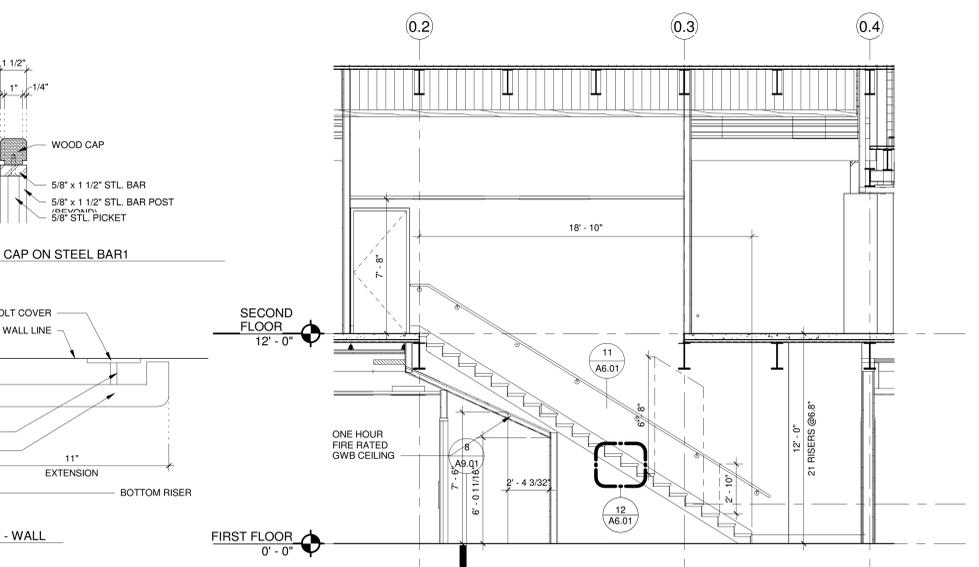
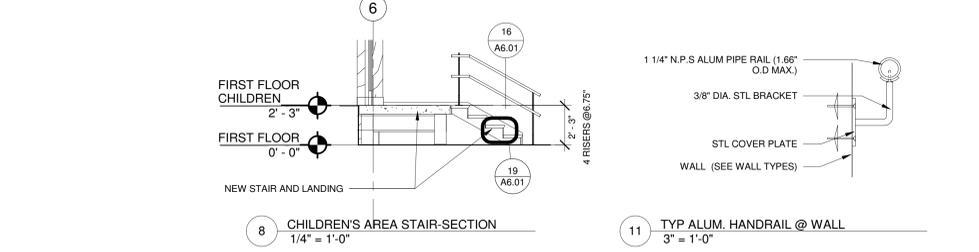
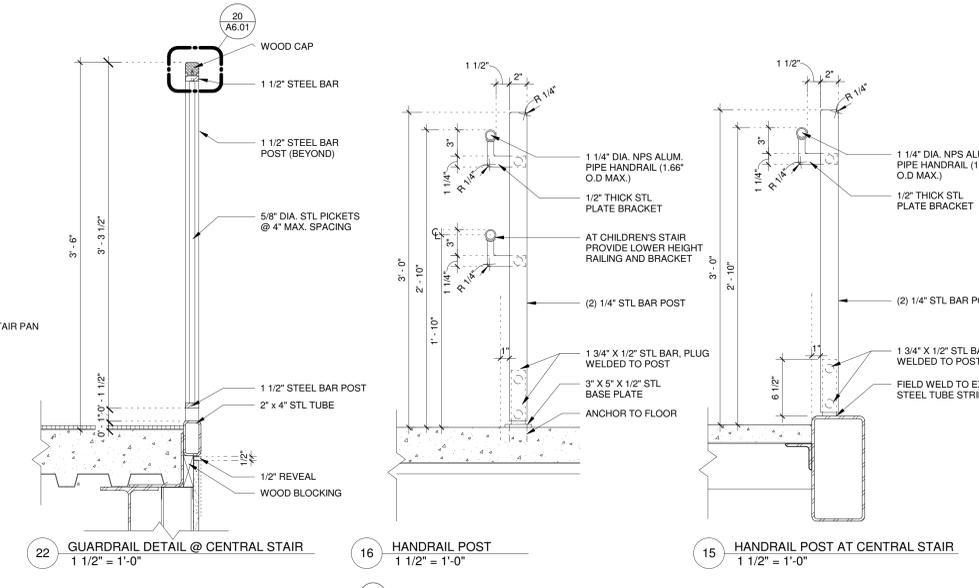
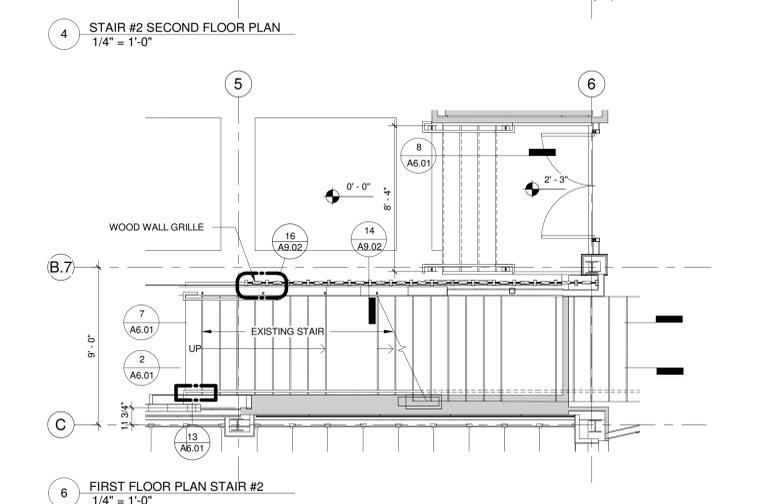
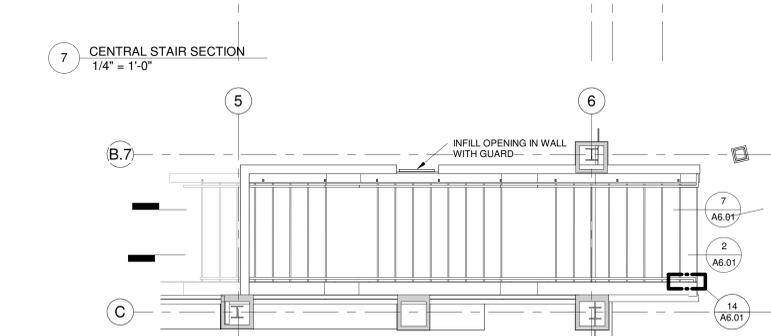
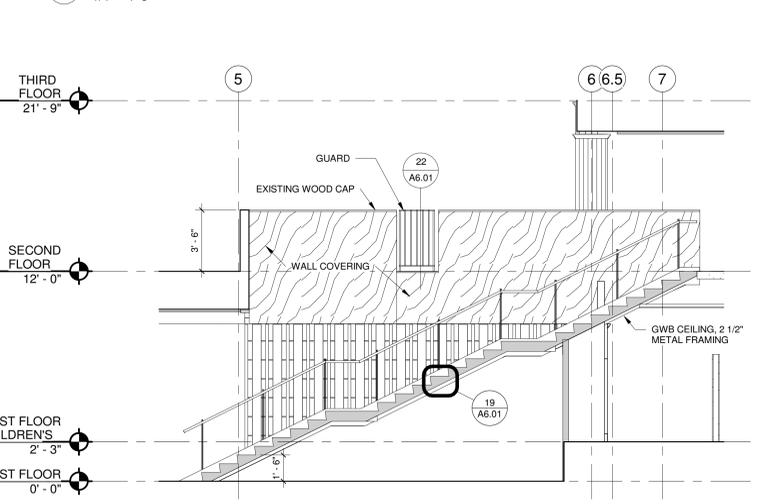
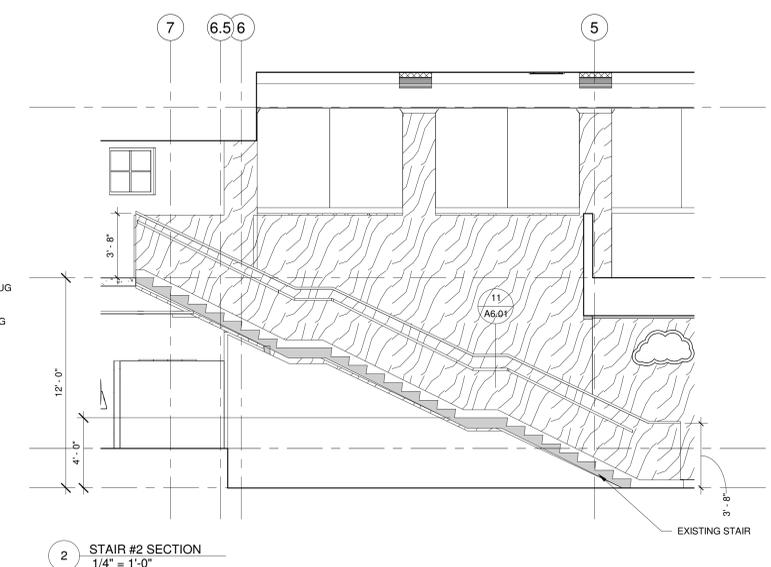
STAIRS

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As indicated
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

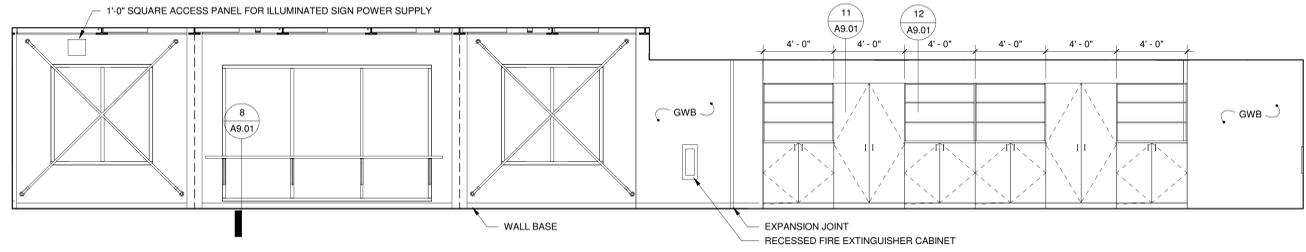
ISSUE DATES

NO.	DATE	PURPOSE

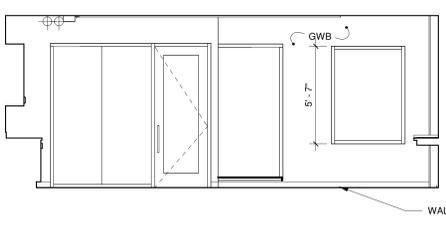
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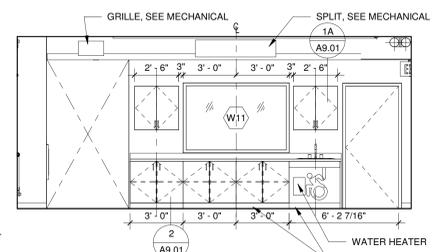
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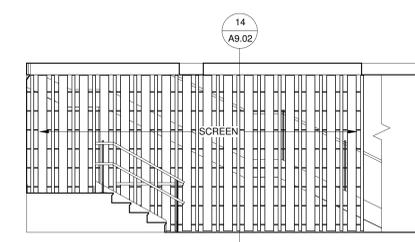
3 171-MAKER SPACE-NORTH
 1/4" = 1'-0"



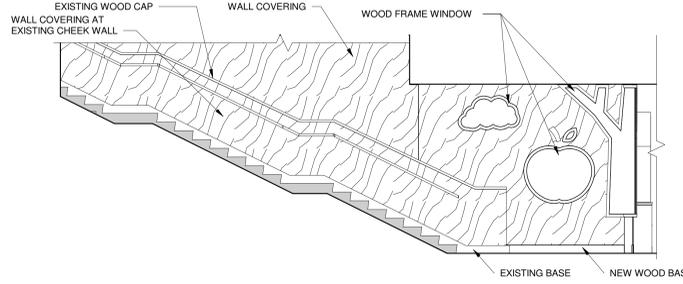
2 171-MAKER SPACE-WEST
 1/4" = 1'-0"



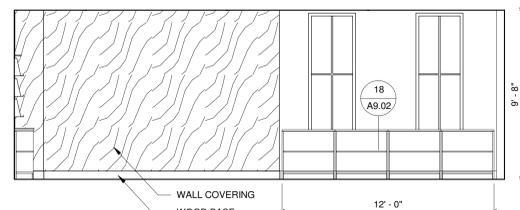
1 171-MAKER SPACE-EAST
 1/4" = 1'-0"



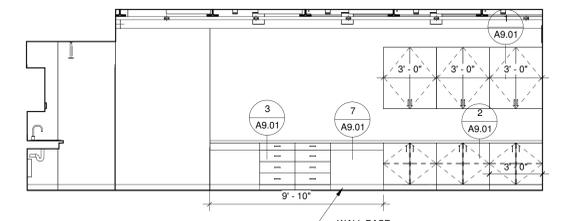
7 111-LOBBY STAIR ELEVATION
 1/4" = 1'-0"



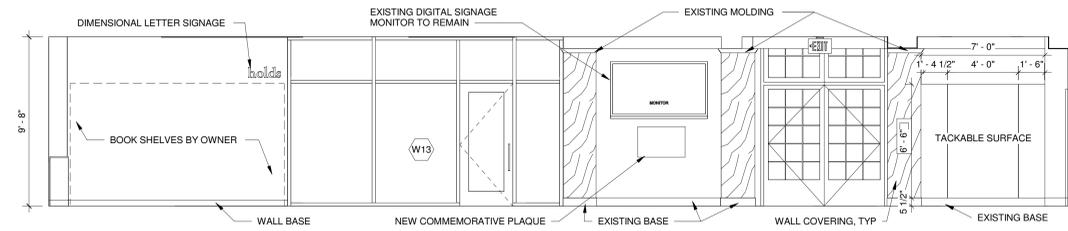
6 111-LOBBY SOUTH
 1/4" = 1'-0"



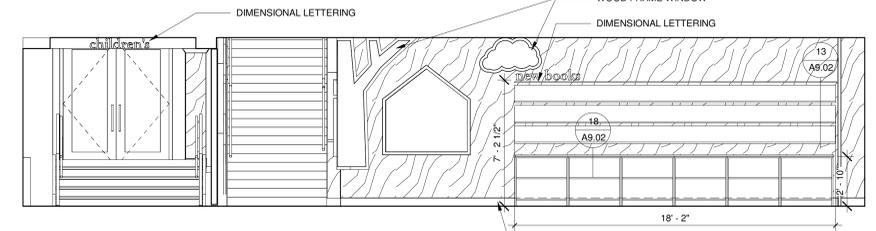
5 LOBBY SOUTH
 1/4" = 1'-0"



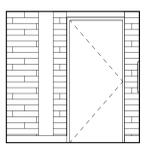
4 171-MAKER SPACE SOUTH
 1/4" = 1'-0"



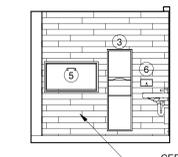
9 111-LOBBY WEST
 1/4" = 1'-0"



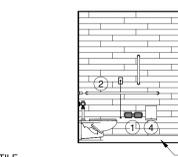
8 111-LOBBY EAST
 1/4" = 1'-0"



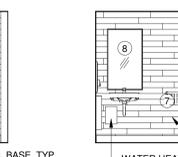
16 245-TOILET-WEST
 1/4" = 1'-0"



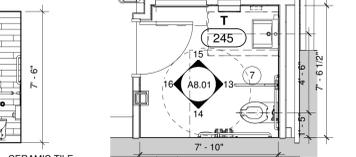
15 245-TOILET-NORTH
 1/4" = 1'-0"



14 245-TOILET-SOUTH
 1/4" = 1'-0"



13 245-TOILET-EAST
 1/4" = 1'-0"

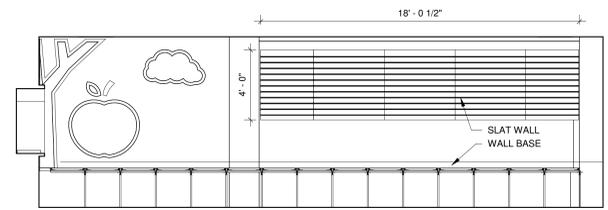


12 245-TOILET PLAN
 1/4" = 1'-0"

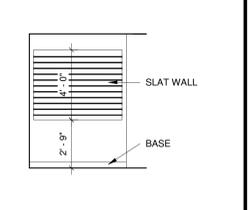
TOILET ACCESSORIES KEY

- TOILET PAPER DISPENSER (BY OWNER)
- GRAB BARS
- RECESSED PAPER TOWEL DISPENSER/ TRASH RECEPTACLE
- SANITARY NAPKIN DISPOSAL
- BABY CHANGING STATION
- SOAP DISPENSER (BY OWNER)
- SWING GRAB BAR
- MIRROR (3'-6" H x 2'-0" W)

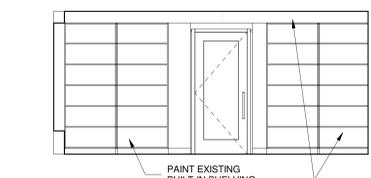
NOTE: REFER TO GENERAL INFORMATION SHEET A0.01 FOR FIXTURE LOCATION AND HEIGHT.



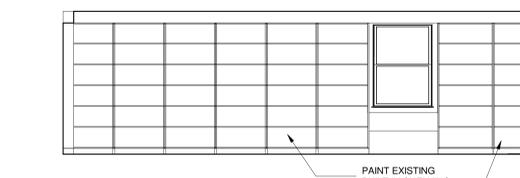
11 150 - CHILDREN'S WEST - NORTH
 1/4" = 1'-0"



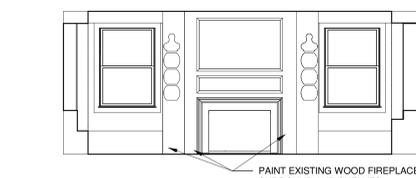
10 150 - CHILDREN'S ELEVATOR WALL
 1/4" = 1'-0"



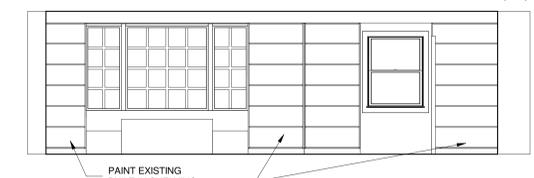
20 263 - MEETING ROOM - WEST
 1/4" = 1'-0"



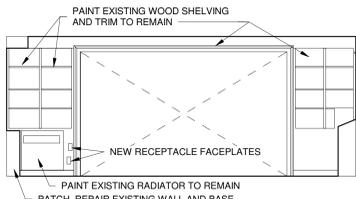
19 263 - MEETING ROOM - NORTH
 1/4" = 1'-0"



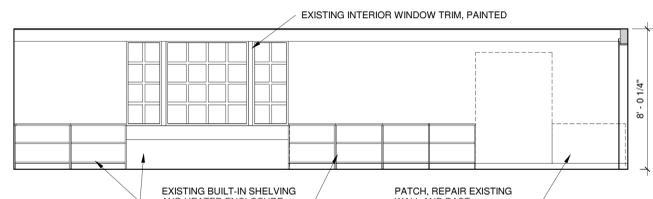
18 263 - MEETING ROOM - EAST
 1/4" = 1'-0"



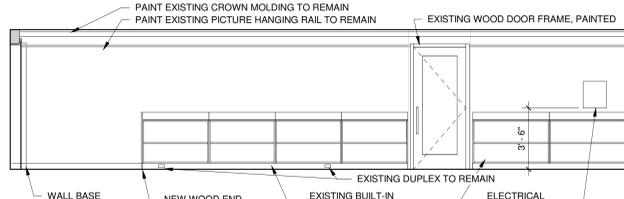
17 263 - MEETING ROOM - SOUTH
 1/4" = 1'-0"



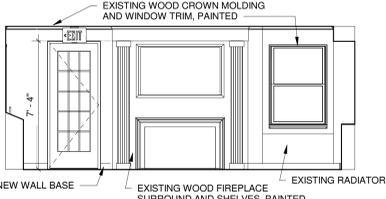
24 262 - ENHANCED PERIODICALS ROOM - NORTH
 1/4" = 1'-0"



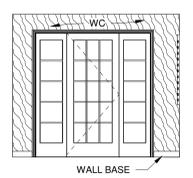
23 262-GALLERY-WEST
 1/4" = 1'-0"



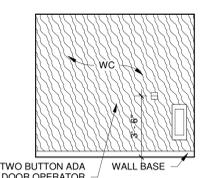
22 262 - GALLERY - EAST
 1/4" = 1'-0"



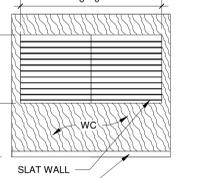
21 262 - GALLERY - SOUTH
 1/4" = 1'-0"



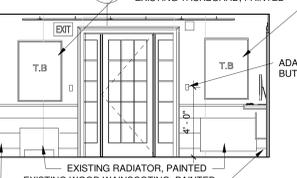
31 261 - VEST - WEST
 1/4" = 1'-0"



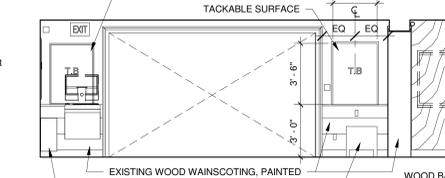
30 261 - VEST - SOUTH
 1/4" = 1'-0"



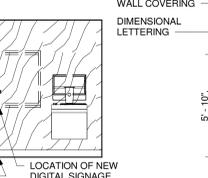
29 261 - VEST - NORTH
 1/4" = 1'-0"



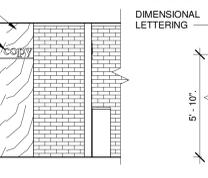
32 251-LOBBY-EAST
 1/4" = 1'-0"



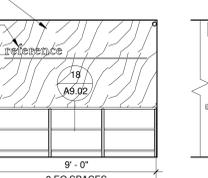
27 LOBBY 251 - SOUTH
 1/4" = 1'-0"



28 REFERENCE EAST
 1/4" = 1'-0"

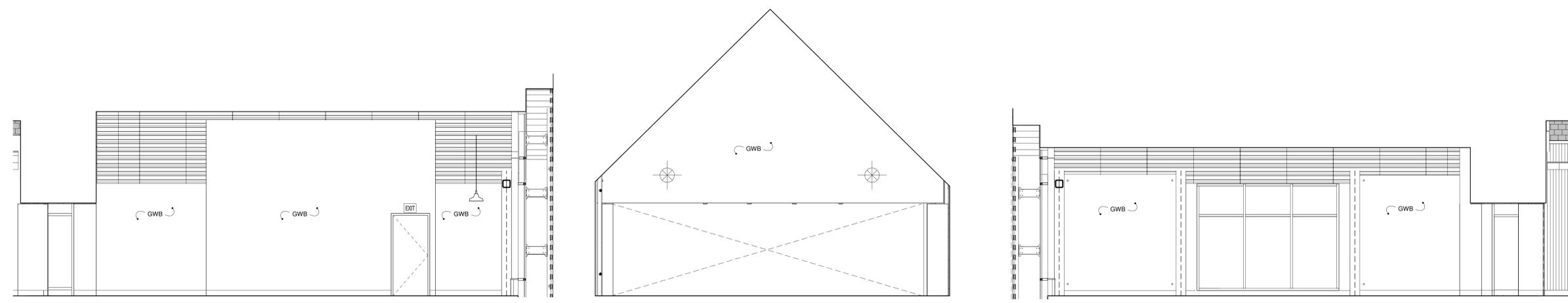


26 250-REFERENCE-NORTH
 1/4" = 1'-0"



25 238-COMMONS-EAST
 1/4" = 1'-0"

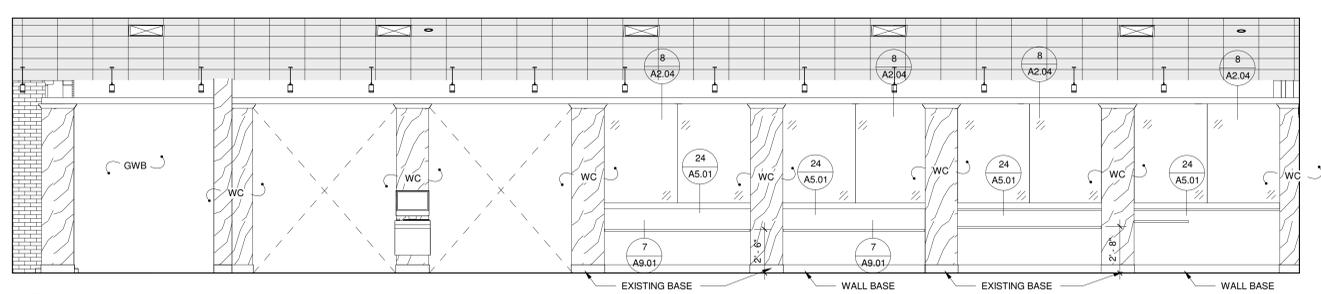
9/14/2020 12:33 PM C:\Users\Baylor.TSKP\Documents\190101 Glastonbury Library_Central_2019_jjay@tskp.com.rvt



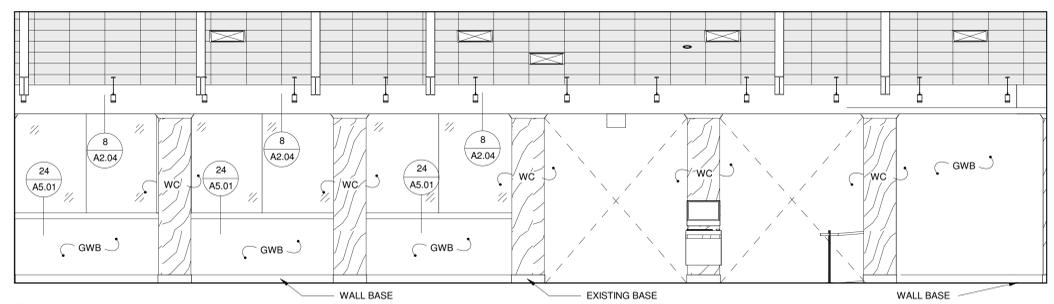
3 204-STACKS-SOUTH
 1/4" = 1'-0"

2 204-STACKS-EAST
 1/4" = 1'-0"

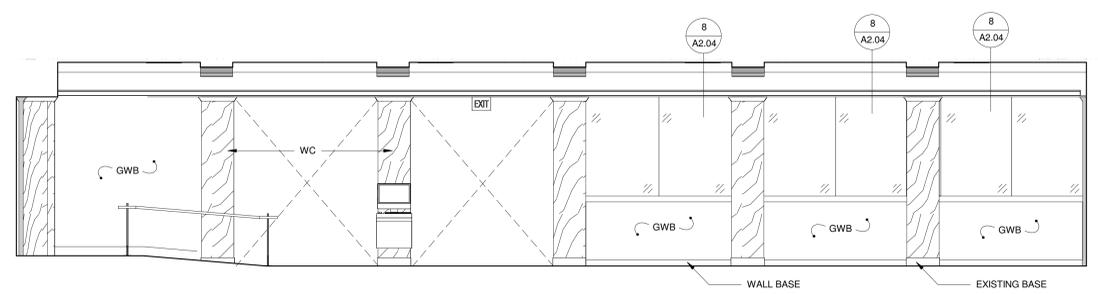
1 204-STACKS-NORTH
 1/4" = 1'-0"



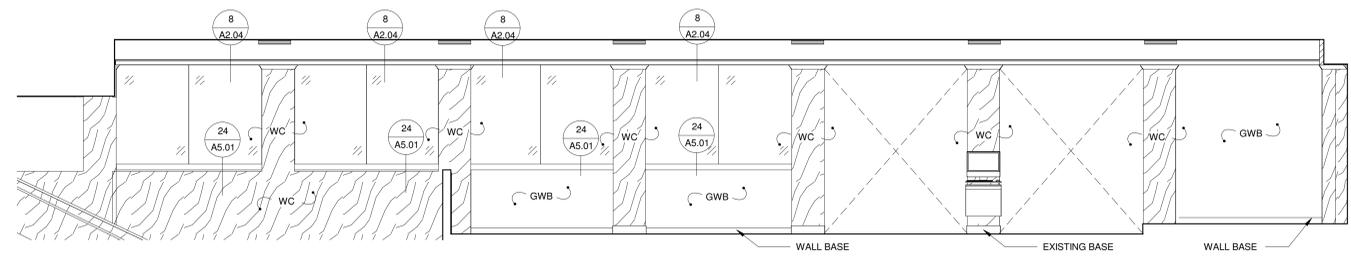
5 204-STACKS- INTERIOR ELEVATION NORTH
 1/4" = 1'-0"



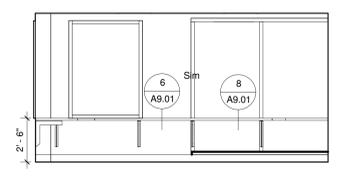
4 201-STACKS- INTERIOR ELEVATION - SOUTH
 1/4" = 1'-0"



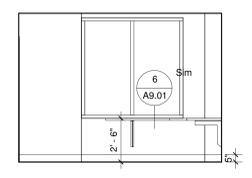
7 200-COMMONS NORTH
 1/4" = 1'-0"



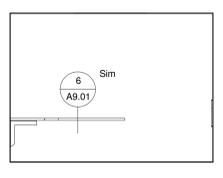
6 200-COMMONS SOUTH
 1/4" = 1'-0"



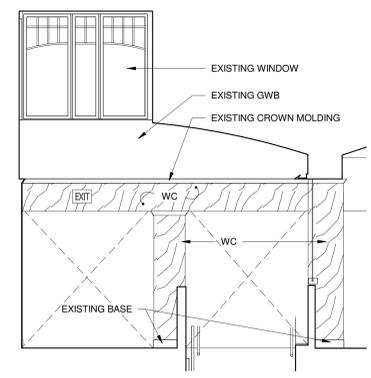
12 THE VAULT - WEST
 1/4" = 1'-0"



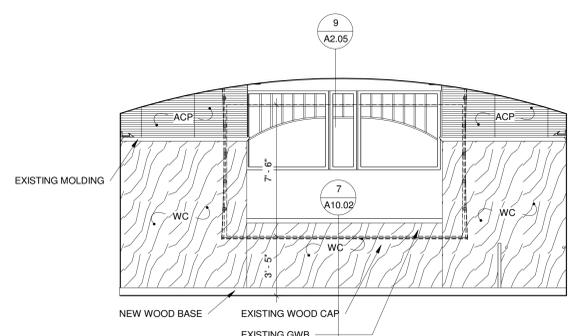
11 THE VAULT - SOUTH
 1/4" = 1'-0"



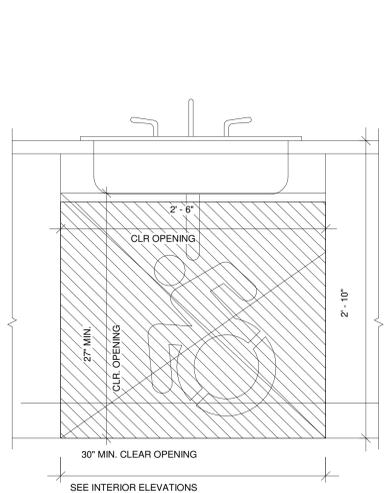
10 THE VAULT - NORTH
 1/4" = 1'-0"



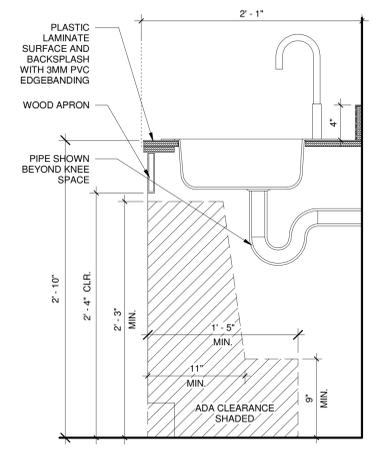
9 200 COMMONS-EAST
 1/4" = 1'-0"



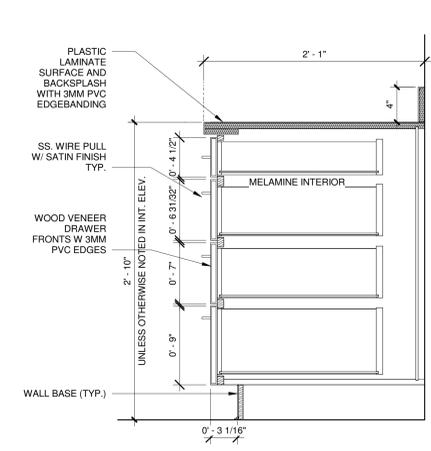
8 200-COMMONS-WEST
 1/4" = 1'-0"



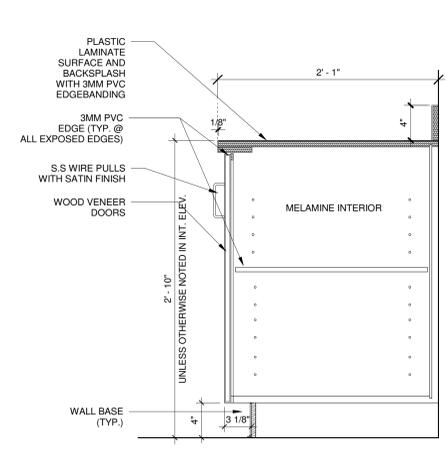
5 ADA SINK ELEVATION
1 1/2" = 1'-0"



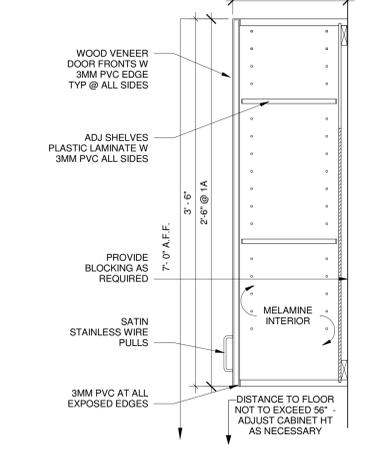
4 CW-ADA SINK SECT. AT 34"
1 1/2" = 1'-0"



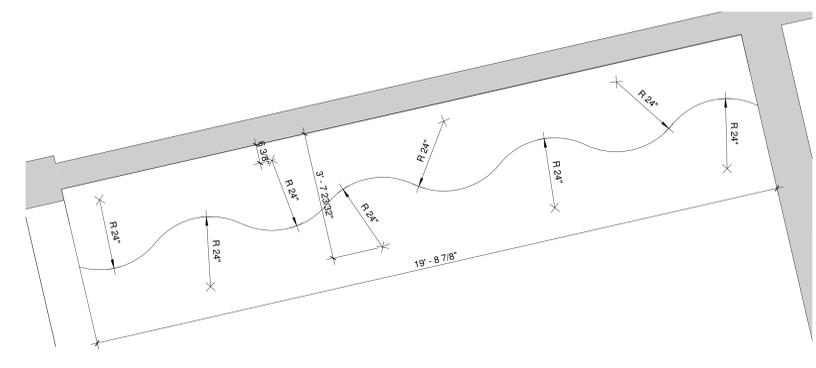
3 CW-BASE CAB. 4-DRAWERS
1 1/2" = 1'-0"



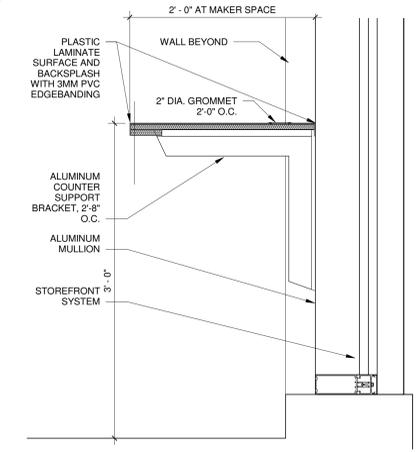
2 CW-BASE CABINET (TYP)
1 1/2" = 1'-0"



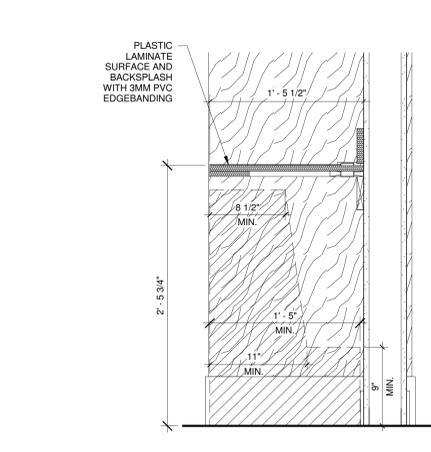
1 CW - OVERHEAD CAB. SECT. (TYP)
1 1/2" = 1'-0"
1A CW - OVERHEAD CAB. SECT.
1 1/2" = 1'-0"



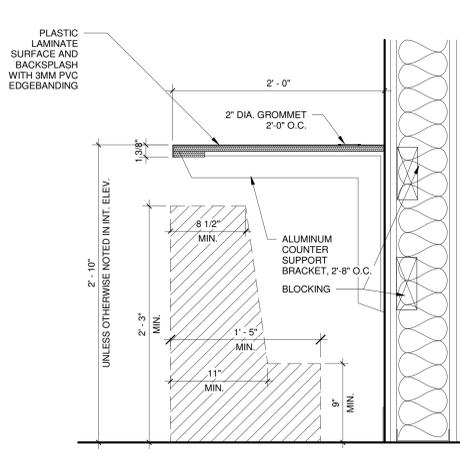
9 CURVED DESK AT CHILDREN'S
1/2" = 1'-0"



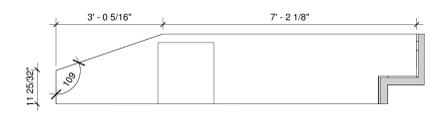
8 COUNTERTOP AT MAKERSPACE
1 1/2" = 1'-0"



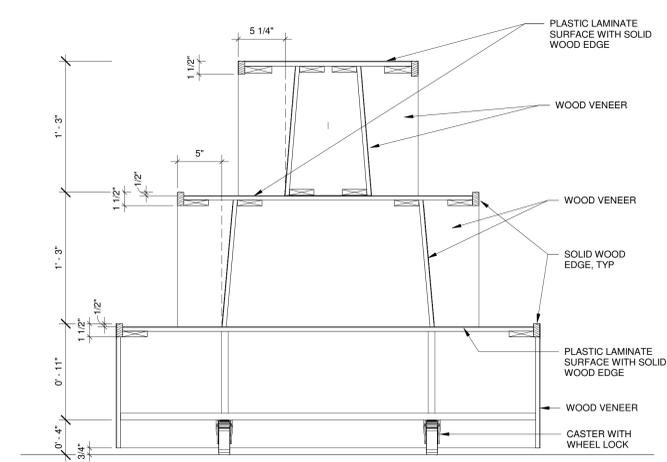
7 COUNTER @ STACKS 204
1 1/2" = 1'-0"



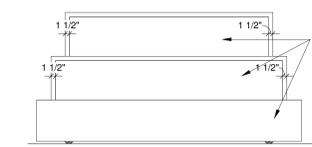
6 CW-COUNTER
1 1/2" = 1'-0"



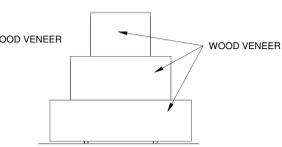
10 DESK AT 204 - PLAN VIEW
1/2" = 1'-0"



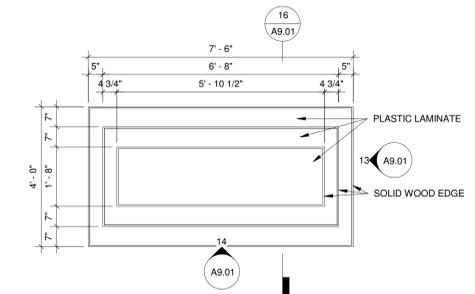
16 PYRAMID DISPLAY
1 1/2" = 1'-0"



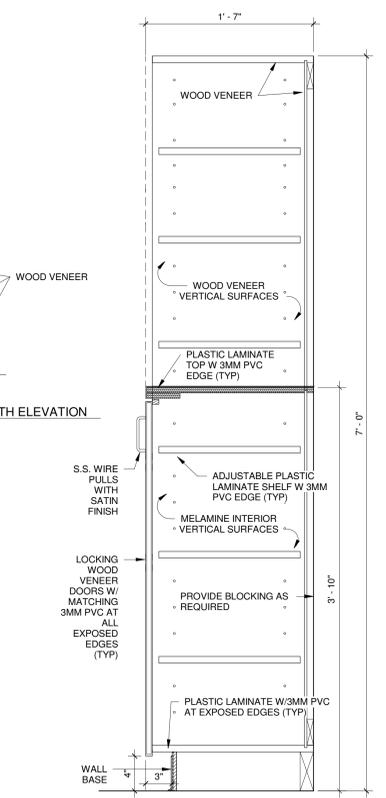
14 PYRAMID DISPLAY SOUTH ELEVATION
1/2" = 1'-0"



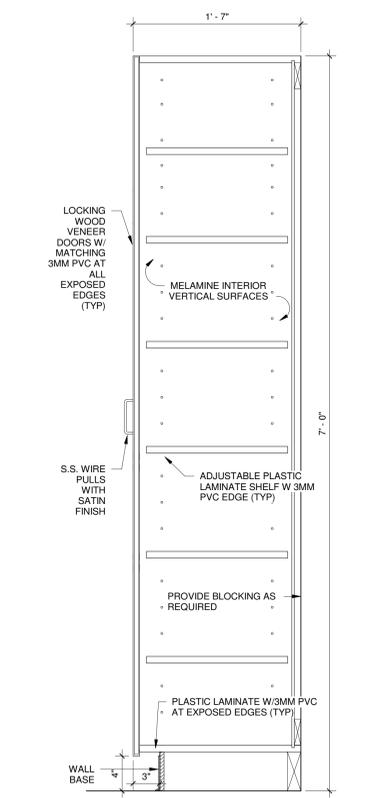
13 PYRAMID DISPLAY NORTH ELEVATION
1/2" = 1'-0"



15 PYRAMID DISPLAY PLAN DETAIL
1/2" = 1'-0"

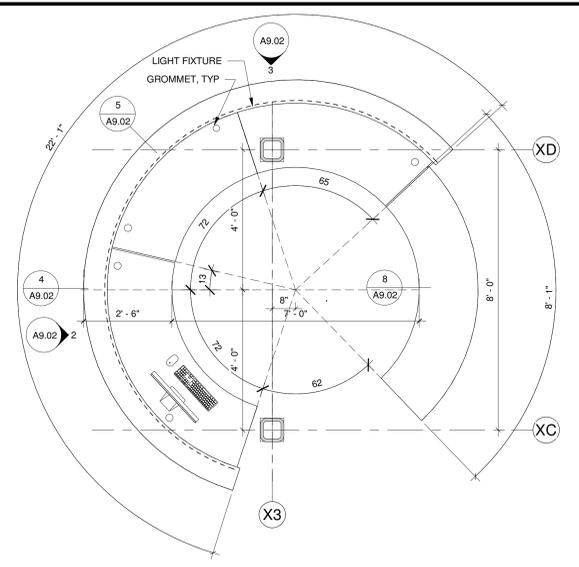


12 CW - TALL STORAGE CABINET W/OPEN SHELVES ABOVE
1 1/2" = 1'-0"



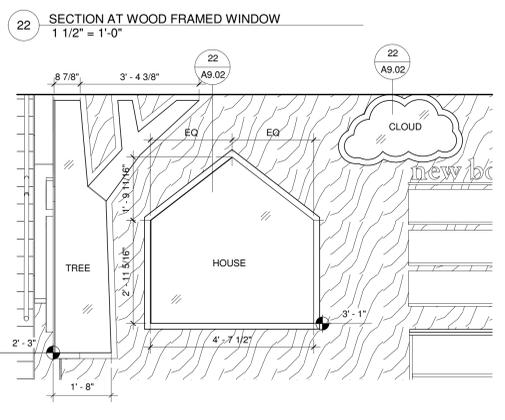
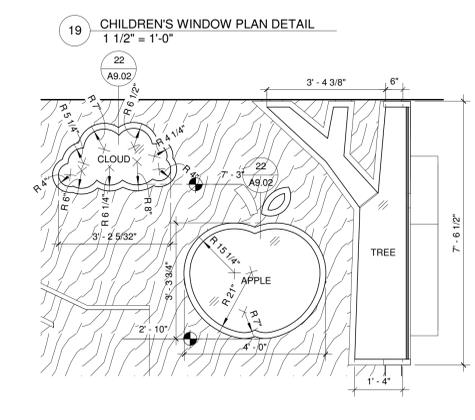
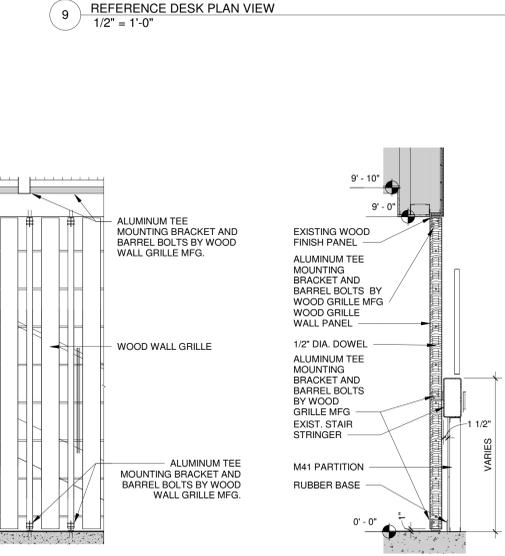
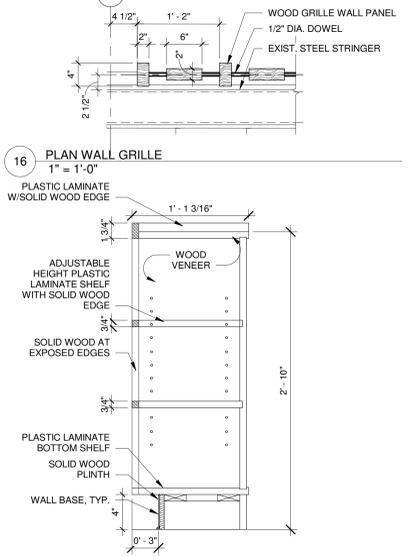
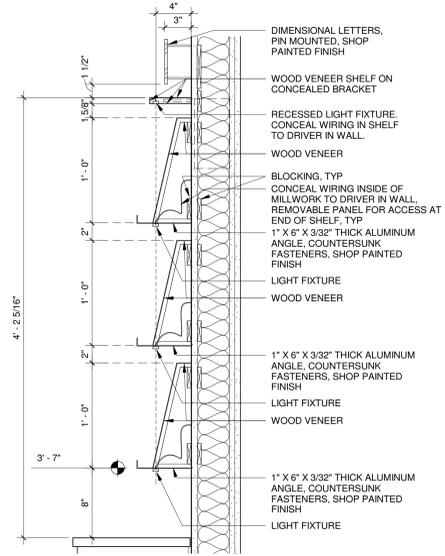
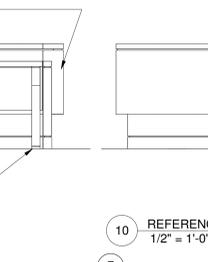
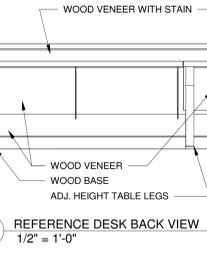
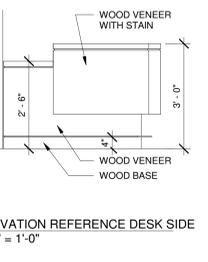
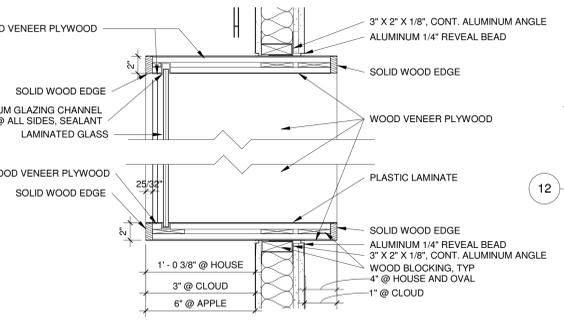
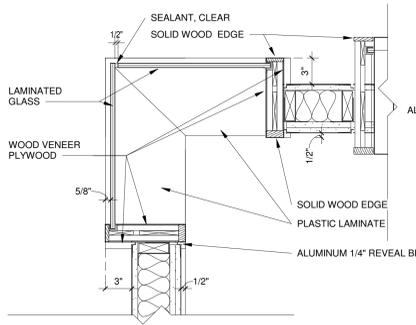
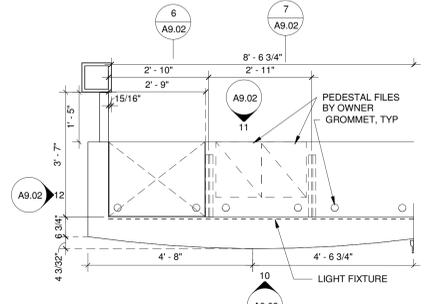
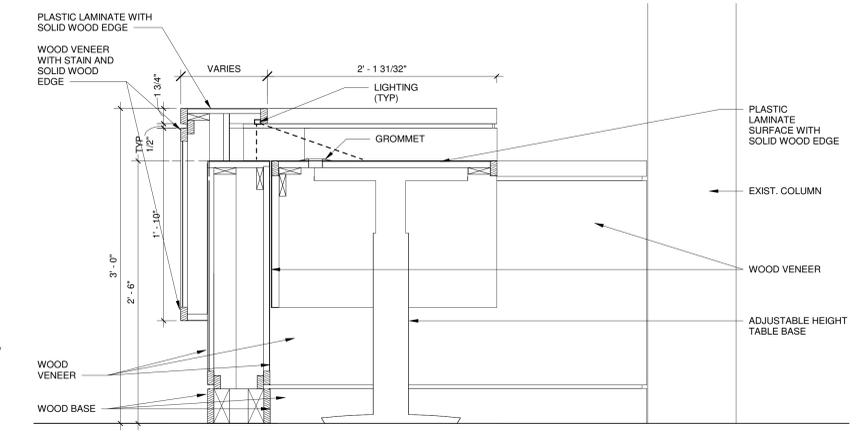
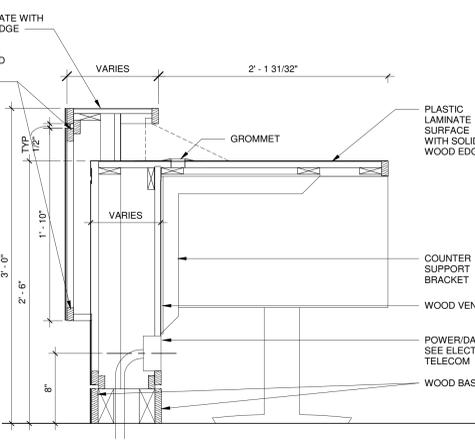
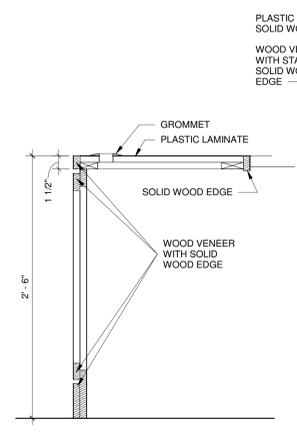
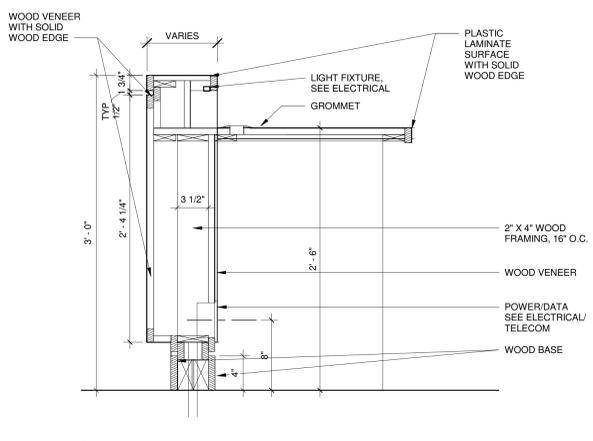
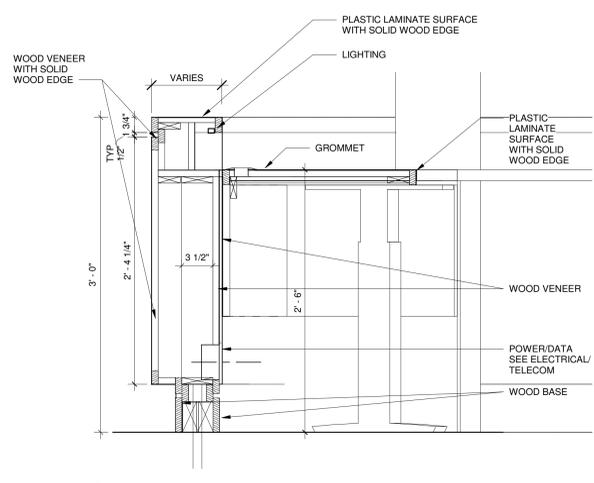
11 CW - TALL STORAGE CABINET (TYP)
1 1/2" = 1'-0"

GLAST. BID NO.	GL-2020-19	
PROJ. NO.	190101	
SCALE	As Indicated	
DATE	6.1.2020	
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ISSUE DATES		
NO.	DATE	PURPOSE



2 RECEPTION DESK - WEST ELEVATION
 1/2" = 1'-0"

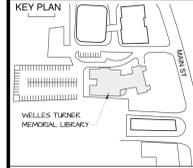
3 RECEPTION DESK NORTH ELEVATION II
 1/2" = 1'-0"



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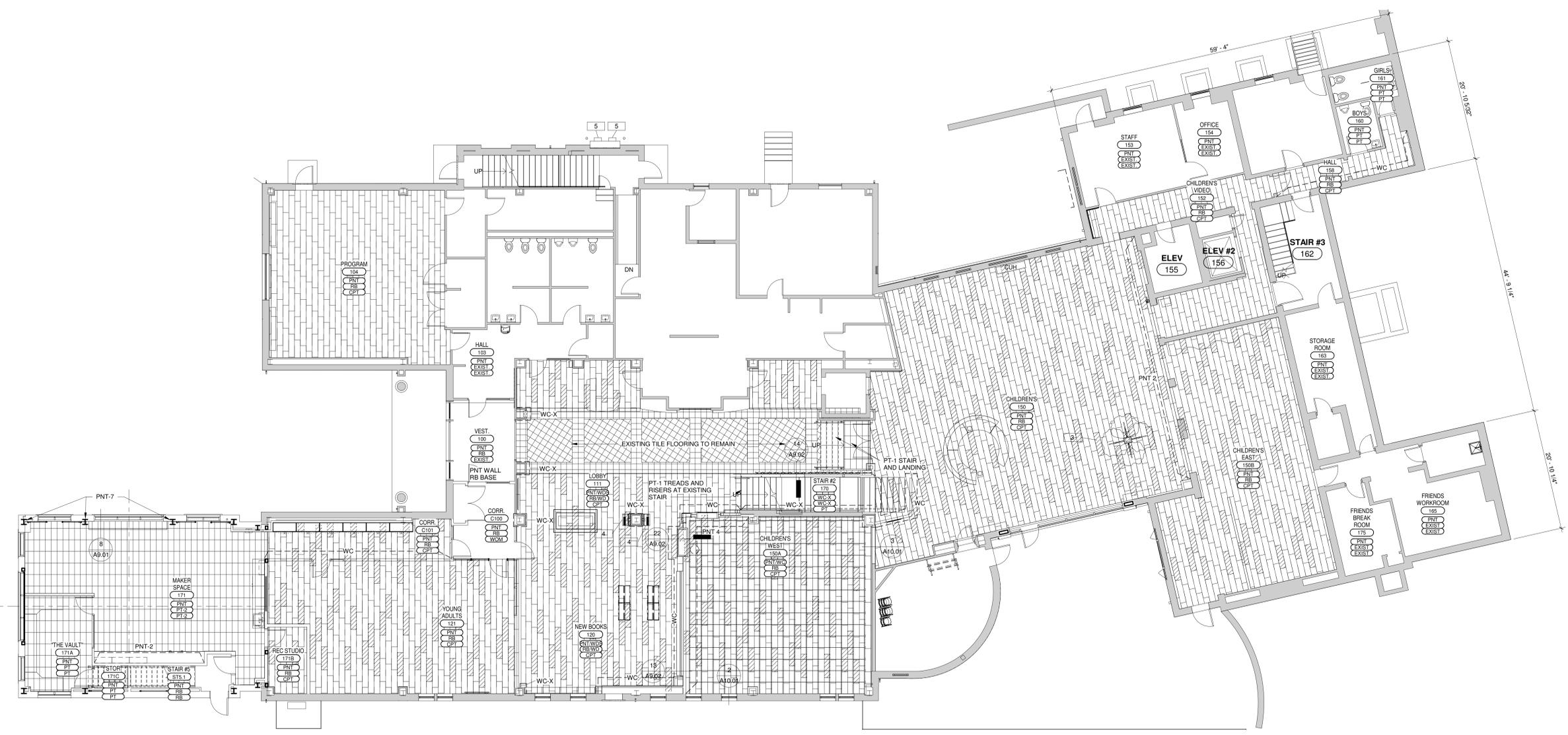


DRAWING TITLE

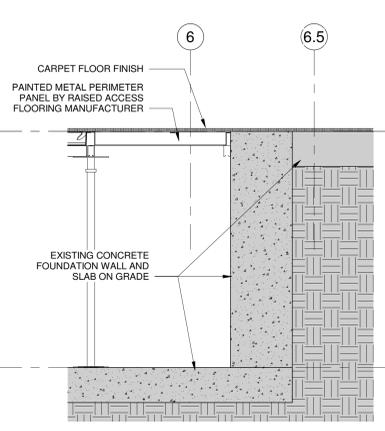
FIRST FLOOR FINISH PLAN

GLAST. BID NO.	GL-2020-19	
PROJ. NO.	190101	
SCALE	As indicated	
DATE	6.1.2020	
DRAWN BY	Author	
APPROVED BY	Approver	
ISSUE DATES		
NO.	DATE	PURPOSE

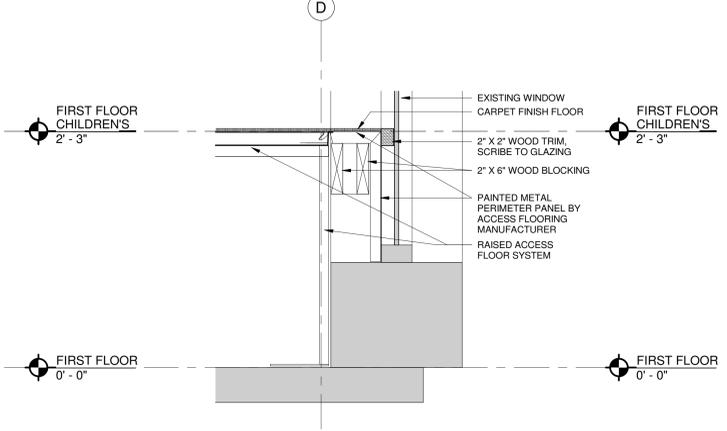
A10.01



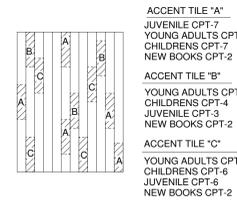
1 FIRST FLOOR FINISH PLAN
 1/8" = 1'-0"



3 RAISED FLOORING AT THRESHOLD
 1 1/2" = 1'-0"



2 CHILDREN'S WEST RAISED FLOORING AT WINDOW, TYP.
 1 1/2" = 1'-0"

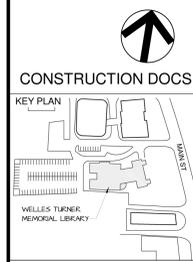


- BUILT-IN FURNITURE KEY**
- 1 DOUBLE STACK END PANEL
 - 2 SINGLE STACK END PANEL
 - 3 CANOPY TREE WITH BENCH
 - 4 WALL MOUNTED CPU STATION
 - 5 DEPOSITORY
 - 6 -
 - 7 -
 - 8 -
- NOTE:** REFER TO GENERAL INFORMATION SHEET A0.01 FOR FIXTURE LOCATION AND HEIGHT.

FINISH SCHEDULE LEGEND

AWP - ACOUSTICAL WALL PANELS	GL - GLASS
CONC - EPOXY PAINT SEALER OVER EXISTING CONCRETE FLOOR	GWB - GYPSUM WALL BOARD
CPT - CARPET TILE	LVT - LUXURY VINYL TILE PLANK FLOORING
CPT-1 MILLIKEN - VIBRATION-PRICIEVE	PNT - PAINT
CPT-2 MILLIKEN - ALLOY ALLUVIAL	PNT-1
CPT-3 MILLIKEN - CARROT	PNT-2
CPT-4 MILLIKEN - GARNET	PNT-4
CPT-5 MILLIKEN - GRECIAN PURPLE	PNT-5
CPT-6 MILLIKEN - ROLLING STONE	PNT-6
CPT-7 MILLIKEN - AEGEAN SEA	PNT-7
CPT-8 MILLIKEN - ACADEMY BLUE	PT - PORCELAIN TILE
CPT-9 MILLIKEN - PACIFIC BLUE	PT-1 MARCO CORONA - GRAY, GRIP
CT - CERAMIC TILE	PT-2 MARCO CORONA - GRAY, NATURAL
EXIST. - EXISTING FINISH OR MATERIAL TO REMAIN	PT-3 MARCO CORONA - BLACK
FLOOR FINISH	RB - RUBBER
LVT	WC - WALL COVERING
NOTE: PROVIDE WOOD QUARTER ROUND AT EXISTING WALL BASE, TYP.	WC-X - WALL COVERING OVER 1/2" GWB. REMOVE EXISTING BEADBOARD WOOD PANELING.
CARPET	WD - WOOD
AS NOTED	WOM - WALK OFF (CARPET TILE)
PORCELAIN TILE	
ROOM FINISH TAG	
ROOM NAME	
NUMBER	
WALL	
BASE	
FLOOR	

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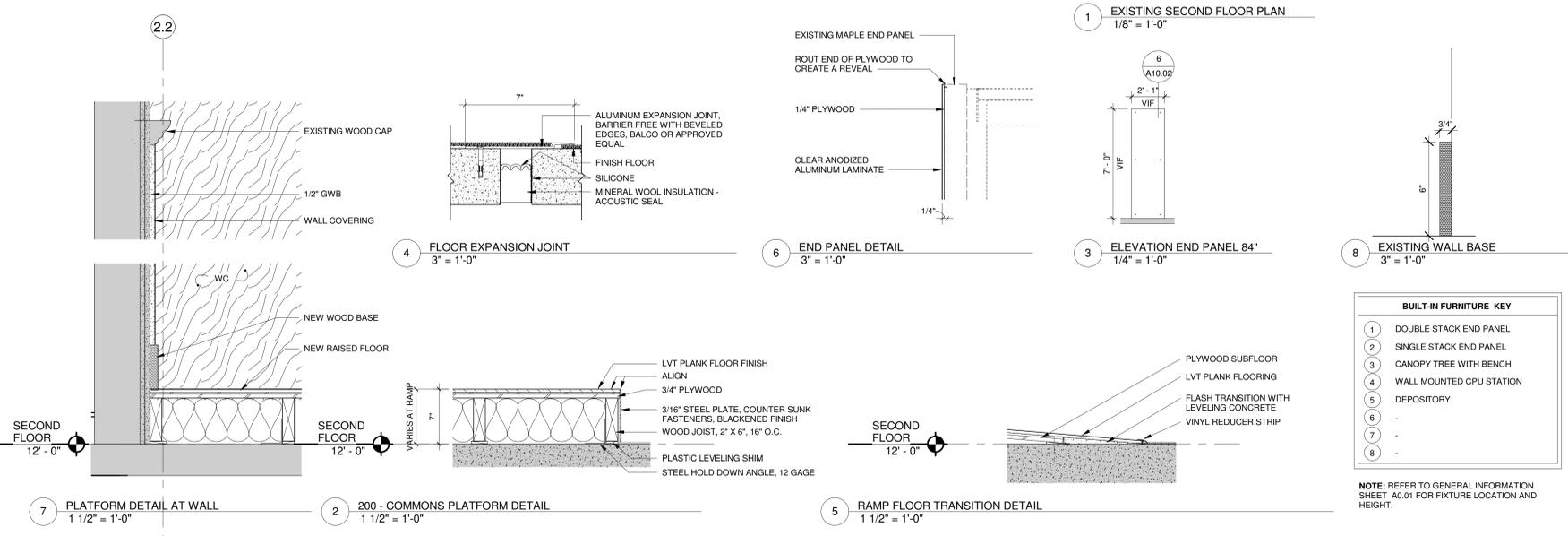
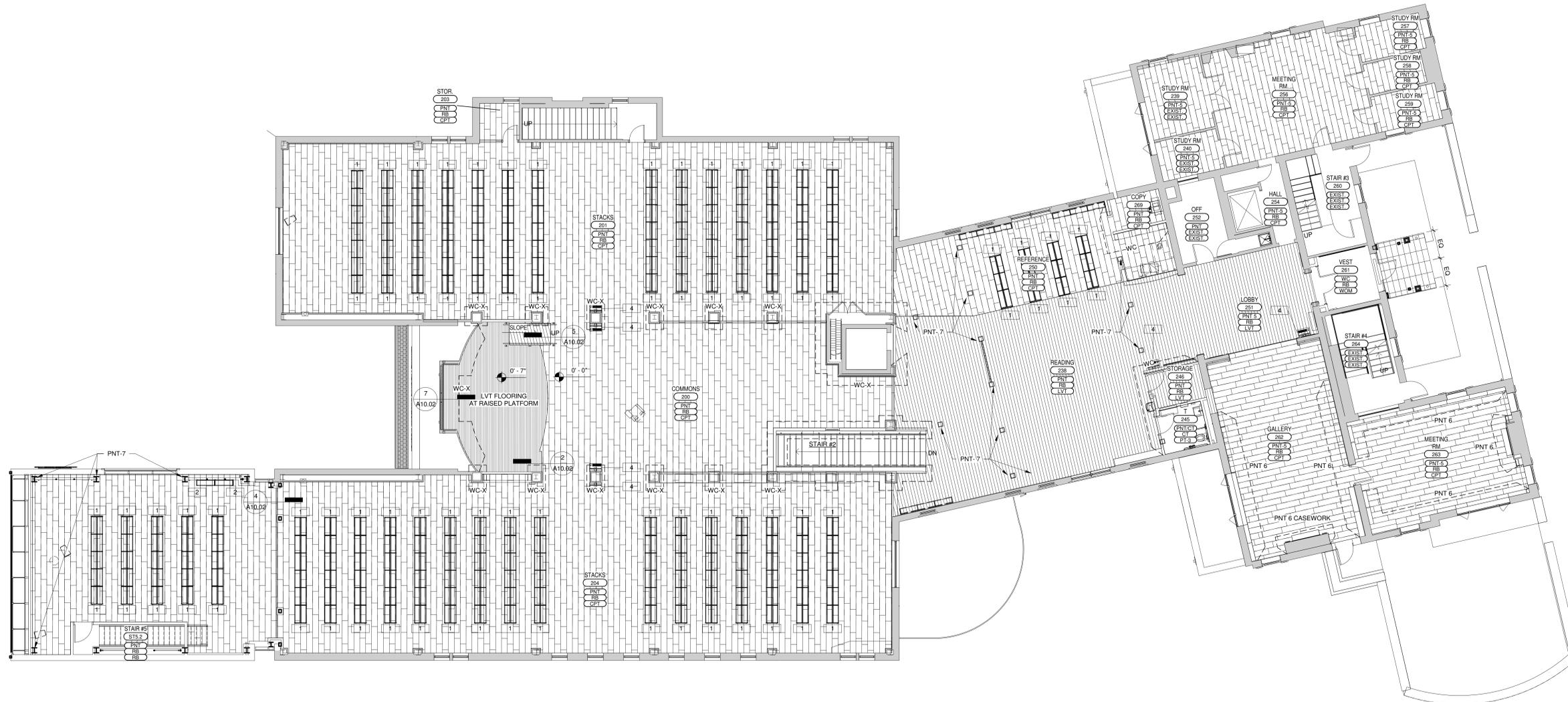


CONSTRUCTION DOCS
 KEY PLAN
 WELLES TURNER MEMORIAL LIBRARY

DRAWING TITLE
SECOND FLOOR FINISH PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As indicated
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

ISSUE DATES		
NO.	DATE	PURPOSE



FINISH SCHEDULE LEGEND

AWP - ACOUSTICAL WALL PANELS	GL - GLASS
CONC - EPOXY PAINT SEALER OVER EXISTING CONCRETE FLOOR	GWB - GYPSUM WALL BOARD
CPT - CARPET TILE	LVT - LUXURY VINYL TILE PLANK FLOORING
CPT-1 MILLIKEN - VIBRATION-PRECIEVE	PNT - PAINT
CPT-2 MILLIKEN - ALLOY ALLUVIAL	PNT-1
CPT-3 MILLIKEN - CARROT	PNT-2
CPT-4 MILLIKEN - GARNET	PNT-3
CPT-5 MILLIKEN - GRECIAN PURPLE	PNT-4
CPT-6 MILLIKEN - ROLLING STONE	PNT-5
CPT-7 MILLIKEN - AEGEAN SEA	PNT-6
CPT-8 MILLIKEN - ACADEMY BLUE	PNT-7
CPT-9 MILLIKEN - PACIFIC BLUE	
CT - CERAMIC TILE	PT - PORCELAIN TILE
EXIST. - EXISTING FINISH OR MATERIAL TO REMAIN	PT-1 MARCO CORONA - GRAY, GRIP
	PT-2 MARCO CORONA - GRAY, NATURAL
	PT-3 MARCO CORONA - BLACK
	RB - RUBBER
	WC - WALL COVERING
	WC-X - WALL COVERING OVER 1/2" GWB. REMOVE EXISTING BEADBOARD WOOD PANELING.
	WD - WOOD
	WOM - WALK OFF (CARPET TILE)

BUILT-IN FURNITURE KEY

1	DOUBLE STACK END PANEL
2	SINGLE STACK END PANEL
3	CANOPY TREE WITH BENCH
4	WALL MOUNTED CPU STATION
5	DEPOSITORY
6	-
7	-
8	-

FLOOR FINISH

[Pattern]	LVT	NOTE: PROVIDE WOOD QUARTER ROUND AT EXISTING WALL BASE, TYP.
[Pattern]	CARPET	
[Pattern]	AS NOTED	
[Pattern]	PORCELAIN TILE	

ROOM FINISH TAG

[Tag]	ROOM NAME
[Tag]	NUMBER
[Tag]	WALL
[Tag]	BASE
[Tag]	FLOOR

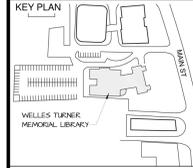
NOTE: REFER TO GENERAL INFORMATION SHEET A0.01 FOR FIXTURE LOCATION AND HEIGHT.

A10.02

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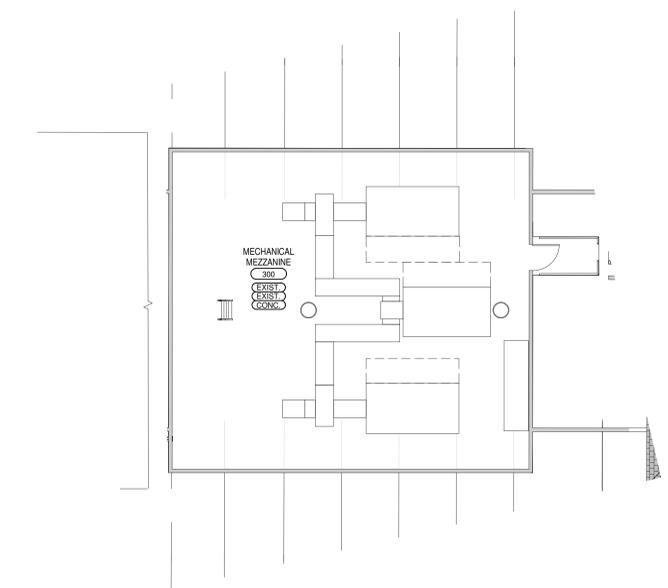
THIRD FLOOR AND MEZZANINE FINISH PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As indicated
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

ISSUE DATES

NO.	DATE	PURPOSE

A10.03



1 EXISTING MECH MEZZ FLOOR PLAN
 1/8" = 1'-0"



2 EXISTING THIRD FLOOR PLAN
 1/8" = 1'-0"

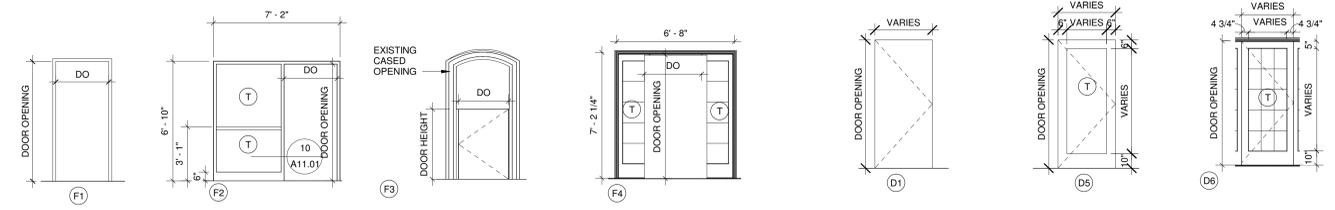
FLOOR FINISH

	LVT
	CARPET
	AS NOTED
	PORCELAIN TILE

NOTE: PROVIDE WOOD QUARTER ROUND AT EXISTING WALL BASE, TYP.

FINISH SCHEDULE LEGEND

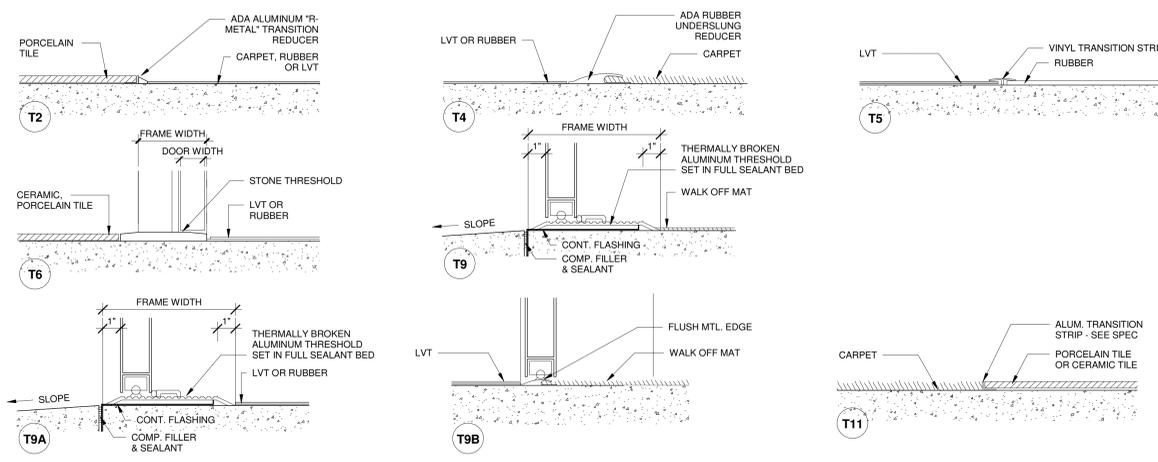
AWP - ACOUSTICAL WALL PANELS	GL - GLASS
CONC - EPOXY PAINT SEALER OVER EXISTING CONCRETE FLOOR	GWB - GYPSUM WALL BOARD
CPT - CARPET TILE	LVT - LUXURY VINYL TILE PLANK FLOORING
CPT-1 MILLIKEN - VIBRATION-PRECIEVE	PNT - PAINT
CPT-2 MILLIKEN - ALLOY ALLUVIAL	PNT-1
CPT-3 MILLIKEN - CARROT	PNT-2
CPT-4 MILLIKEN - GARNET	PNT-4
CPT-5 MILLIKEN - GRECIAN PURPLE	PNT-5
CPT-6 MILLIKEN - ROLLING STONE	PNT-6
CPT-7 MILLIKEN - AEGEAN SEA	PNT-7
CPT-8 MILLIKEN - ACADEMY BLUE	PT - PORCELAIN TILE
CPT-9 MILLIKEN - PACIFIC BLUE	PT-1 MARCO CORONA - GRAY, GRIP
CT - CERAMIC TILE	PT-2 MARCO CORONA - GRAY, NATURAL
EXIST. - EXISTING FINISH OR MATERIAL TO REMAIN	PT-3 MARCO CORONA - BLACK
	RB - RUBBER
	WC - WALL COVERING
	WC-X - WALL COVERING OVER 1/2" GWB. REMOVE EXISTING BEADBOARD WOOD PANELING.
	WD - WOOD
	WOM - WALK OFF (CARPET TILE)



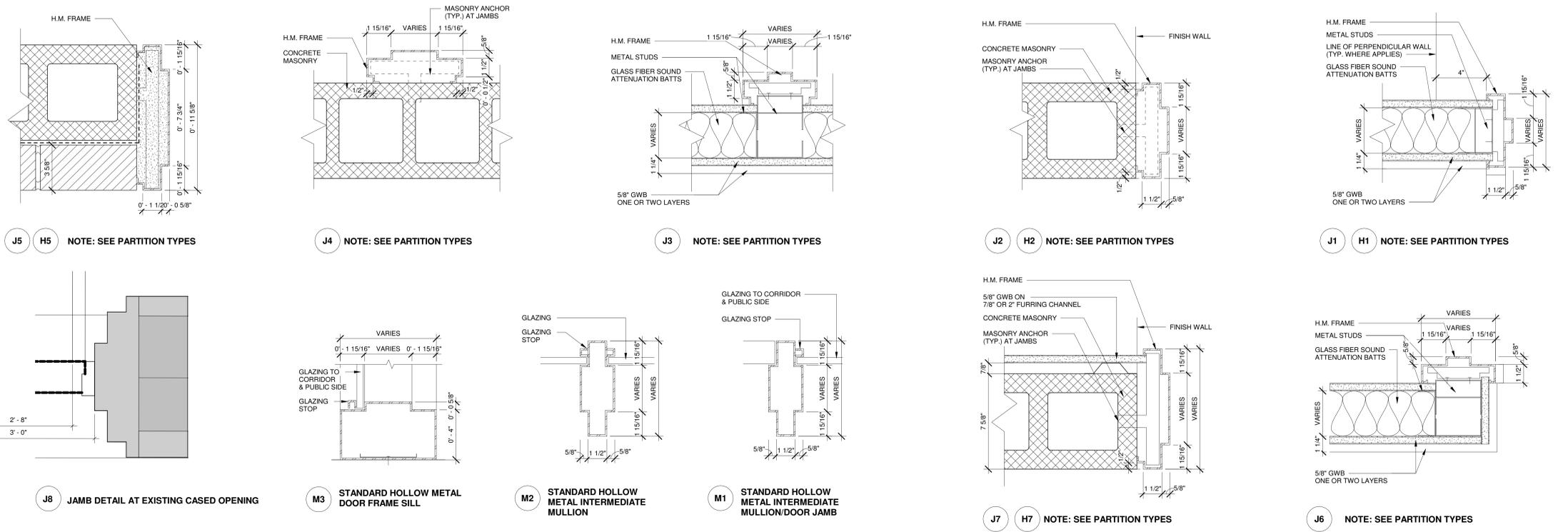
16 FRAME TYPES
 1/4" = 1'-0"

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

DOOR	DOOR AND FRAME SCHEDULE											HARDWARE - SEE SPECIFICATIONS											REMARKS	
	DOOR		FRAME		FIRECODE						DISABLED					SIGNAGE		HARDWARE SET NUMBER	CARD READER					
	DOUBLE LEAF DOOR	SIZE	TYPE / MATERIAL	TYPE / MATERIAL	MIN.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	TEXT								
121A	3' - 0 1/4" VIF	7' - 0 1/8" VIF	AL D5	AL W13	add	14.25/A	5.01	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	YOUNG ADULTS		
121B	3' - 0"	7' - 0"	AL D5	AL W12	add	14.25/A	5.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	YOUNG ADULTS	
150A	6' - 0"	7' - 2 1/4" VIF	WD D5	HM F1	H-1	J-1	T11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0	CHILDRENS, REMOVEABLE MULLION	
150B	3' - 0"	7' - 4"	AL D5	AL CW7	41/A5.0	1	40/A5.0	1	T9A	-	-	-	-	-	-	-	-	-	-	-	-	1.0	TERRACE	
150C	2' - 10" VIF	4' - 0"	WD D1	WD F3	-	J-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.0	STORY NOOK	
171A	3' - 0"	8' - 0 3/4" VIF	AL D5	AL F5	add	14.25/A	5.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	VAULT	
171B	3' - 0"	7' - 0"	HM D1	HM F1	H-1	J-1	T11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.0	RECORDING STUDIO	
171C	3' - 0"	7' - 0"	HM D1	HM F1	H-1	J-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.0	STORAGE	
176	6' - 0"	7' - 6"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
245	3' - 0"	7' - 0"	WD D1	HM F1	H-1	J-1	T6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.0	TOILET	
246	3' - 0"	7' - 0"	WD D1	HM F1	H-1	J-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.0	STORAGE	
262	3' - 0"	7' - 4" VIF	WD D6	WD F1	H-5	J-5	T9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	TERRACE	
263	2' - 11 1/2" VIF	6' - 11 3/4" VIF	WD D5	ETR	ETR	ETR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	MEETING ROOM ONLY	
365A	ETR	ETR	ETR	ETR	ETR	ETR	T9 SIM.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.0	NEW THRESHOLD ONLY	
C100	3' - 0"	7' - 0"	AL D5	AL W14	add	14.25/A	5.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	-	
C101	3' - 0"	7' - 0"	AL D5	AL W12	add	14.25/A	5.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1	MAKER SPACE	
ST5.1A	3' - 0"	7' - 0"	HM D1	HM F1	H-1	J-1	T4	60	-	-	-	-	-	-	-	-	-	-	-	-	-	8.0	STAIR #5	
ST5.1B	3' - 0"	7' - 0"	HM D1	HM F1	H-7	J-7	T9A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	STAIR #5	
ST5.2	3' - 0"	7' - 0"	HM D1	HM F1	H-1	J-1	T4	60	-	-	-	-	-	-	-	-	-	-	-	-	-	8.0	STAIR #5	
V100	3' - 0"	6' - 8"	HM D5	HM F2	H-1	J-1	T9B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0	-	
V261	6' - 8" VIF	7' - 2 1/8" VIF	WD D6	WD	H-5	J-5	T9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	POWERED OPERATOR	
V261A	6' - 8" VIF	7' - 2 1/8" VIF	WD D6	WD	H-2	J-2	T9B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.0	POWERED OPERATOR	



2 THRESHOLD TYPES
 3" = 1'-0"



J8 JAMB DETAIL AT EXISTING CASED OPENING

M3 STANDARD HOLLOW METAL DOOR FRAME SILL

M2 STANDARD HOLLOW METAL INTERMEDIATE MULLION

M1 STANDARD HOLLOW METAL INTERMEDIATE MULLION/DOOR JAMB

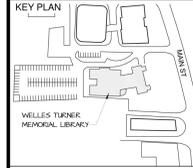
J7 J7 H7 NOTE: SEE PARTITION TYPES

J6 NOTE: SEE PARTITION TYPES

GLASTONBURY WELLES TURNER LIBRARY
 2407 MAIN ST, GLASTONBURY CT 06033



CONSTRUCTION DOCS



DRAWING TITLE

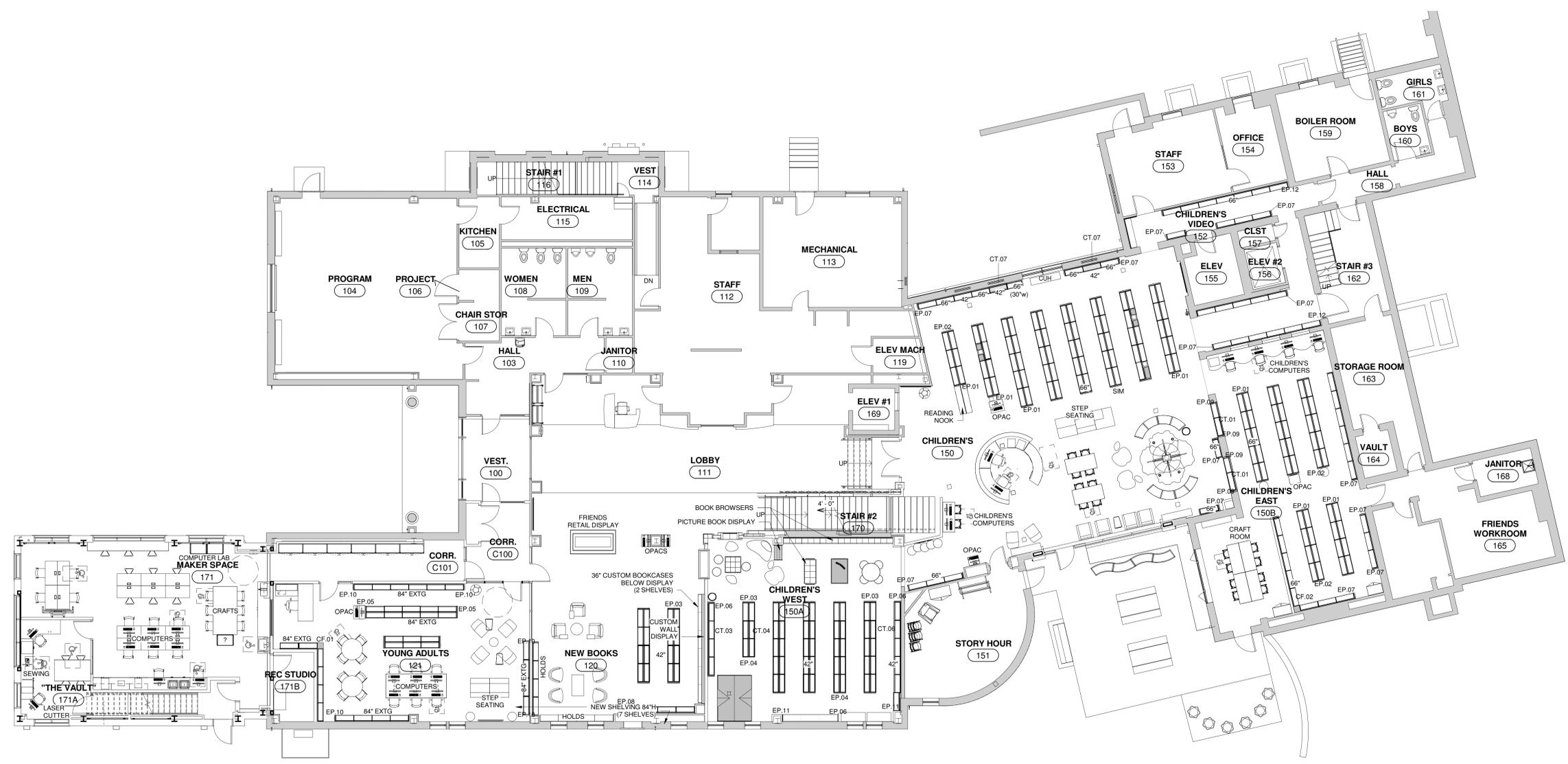
FIRST FLOOR FURNITURE PLAN

GLAST. BID NO.	GL 2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

ISSUE DATES

NO.	DATE	PURPOSE

F1.01

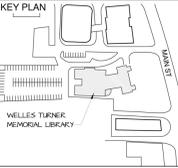


1 FIRST FLOOR FURNITURE PLAN
 1/8" = 1'-0"

GLASTONBURY WELLES TURNER LIBRARY
 2407 MAIN ST, GLASTONBURY CT 06033



CONSTRUCTION DOCS



DRAWING TITLE

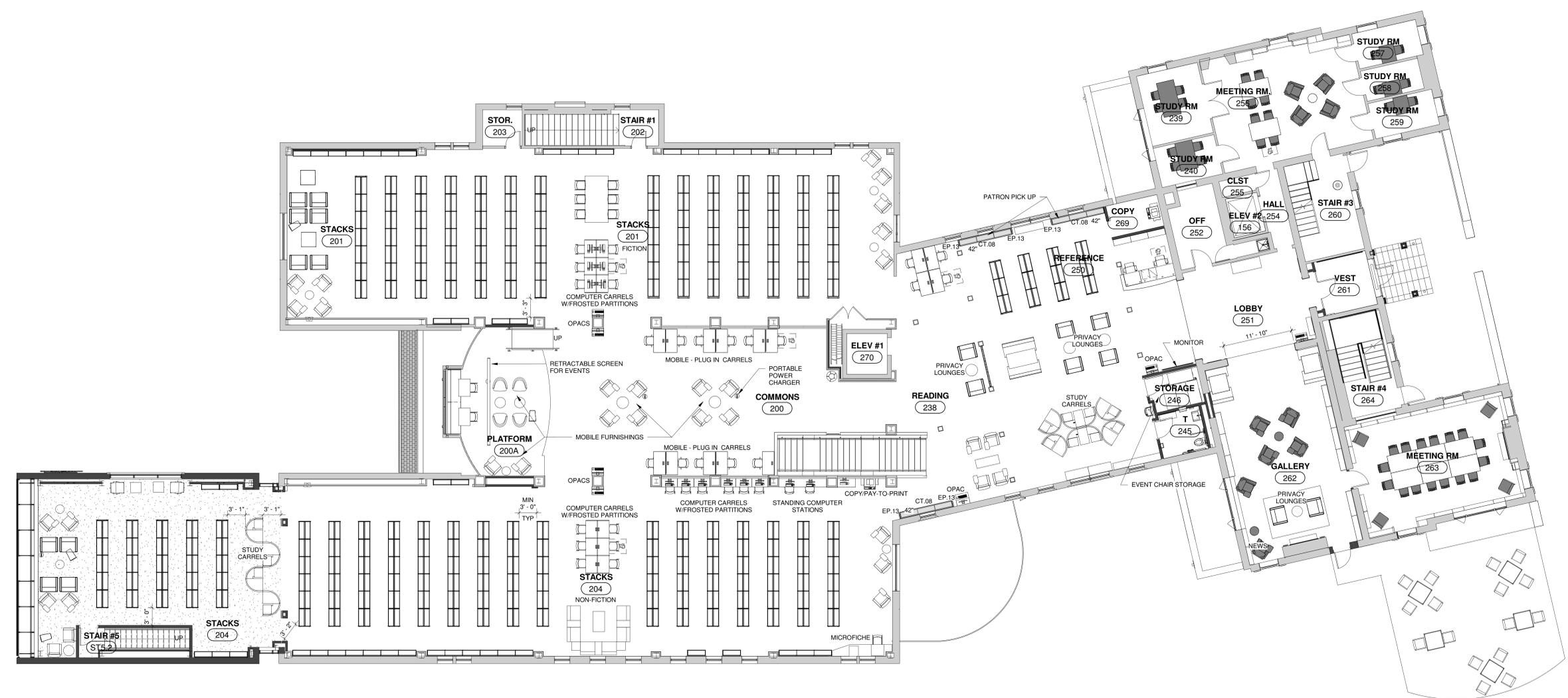
SECOND FLOOR FURNITURE PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	Author
APPROVED BY	Approver

ISSUE DATES

NO.	DATE	PURPOSE

F1.02

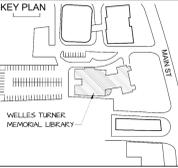


1 SECOND FLOOR PLAN
 1/8" = 1'-0"

GLASTONBURY WELLES TURNER LIBRARY
 2407 MAIN ST, GLASTONBURY CT 06033



SCHEMATIC DESIGN



DRAWING TITLE

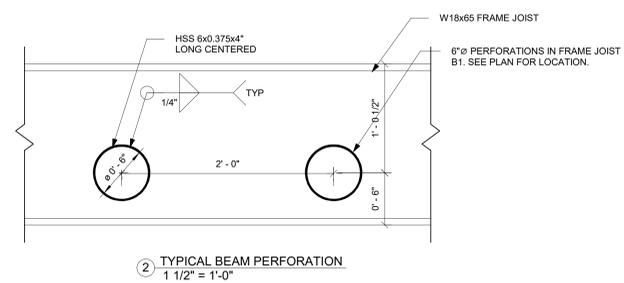
Second Floor Plan

GLAST. BID. NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As Indicated
DATE	6.1.2020
DRAWN BY	NB
APPROVED BY	JD

ISSUE DATES

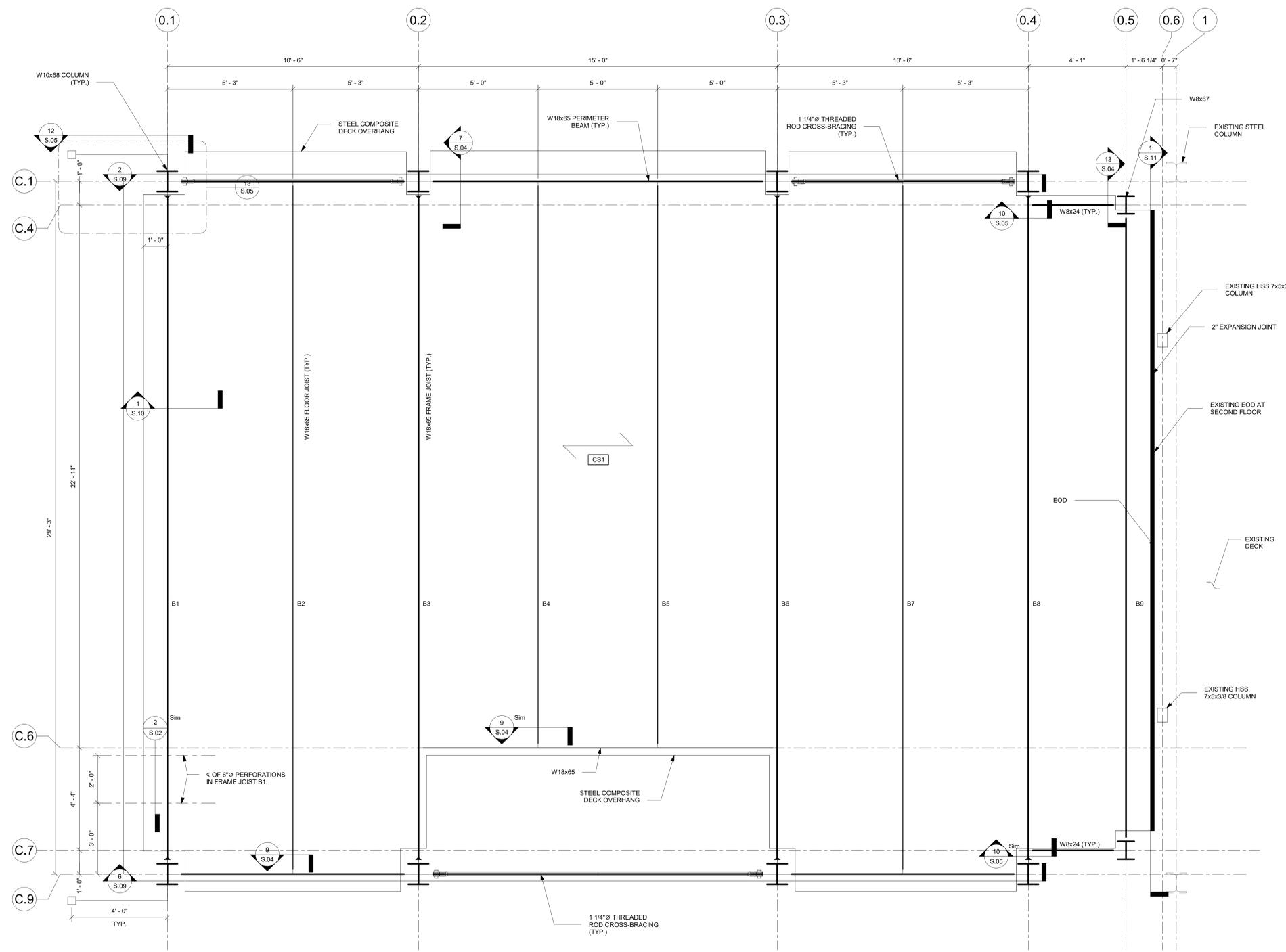
NO.	DATE	PURPOSE

S.02



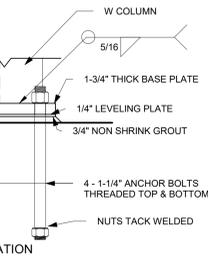
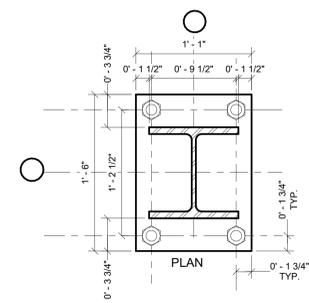
NOTES:
 CS1 = 6" COMPOSITE CONCRETE FLOOR DECK CONSISTING OF VARIABLE DEPTH CONCRETE SLAB ON 3" COMPOSITE STEEL DECK, 20-GA REINFORCED WITH 6"x6" - W1.4xW1.4 WELDED WIRE FABRIC
 ▶ = MOMENT CONNECTION
 EOD = END OF DECK
 LFRS = LATERAL FORCE RESISTING SYSTEM

PLAN NOTES:
 1. LFRS IN NORTH-SOUTH DIRECTION CONSISTS OF MOMENT FRAMES.
 2. LFRS IN EAST-WEST DIRECTION CONSISTS OF ECCENTRIC BRACED FRAMES.

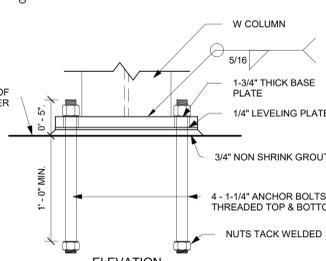
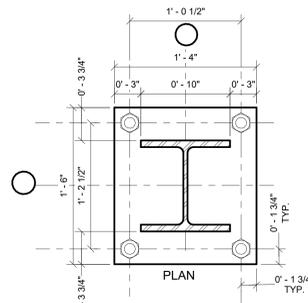


TOP OF COLUMN FRAMING	25'-4 1/2"									TOP OF COLUMN FRAMING	25'-4 1/2"
SECOND FLOOR FRAMING PLAN	12'-0"	W10X68		W8X67		HSS4X4X1/2				SECOND FLOOR FRAMING PLAN	12'-0"
CHILDREN AREA FOUNDATION	0'-0"									CHILDREN AREA FOUNDATION	0'-0"
Column Locations	C.1-0.1, C.1-0.2, C.1-0.3, C.1-0.4, C.9-0.1, C.9-0.2, C.9-0.3, C.9-0.4	C.4-(7'-3")-0.1	C.4-0.5, C.7-0.5	C.6(2'-11 1/4")-0.1	S.15-X2.1, S.15-X2.7	X0.5-XC.9, X0.5-XE.1					

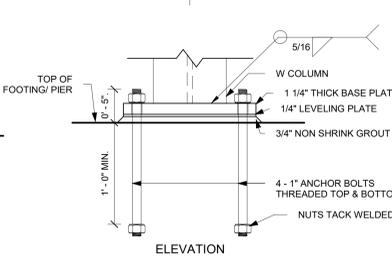
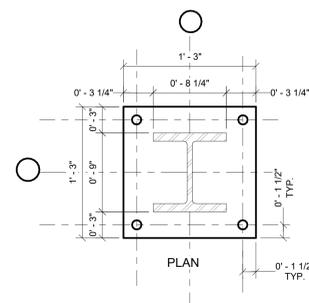
GRAPHICAL COLUMN SCHEDULE
3/16" = 1'-0"



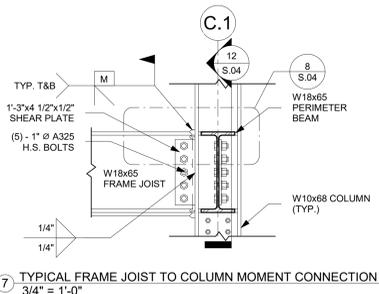
1 TYPE 1 BASE PLATE W10
1 1/2" = 1'-0"



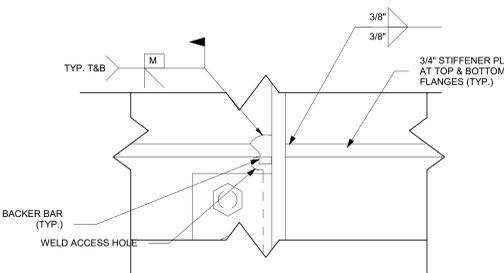
2 TYPE 2 BASE PLATE W10
1 1/2" = 1'-0"



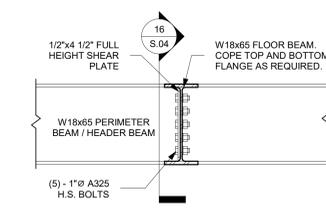
3 BASE PLATE W 8
1 1/2" = 1'-0"



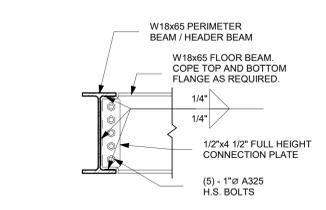
7 TYPICAL FRAME JOIST TO COLUMN MOMENT CONNECTION
3/4" = 1'-0"



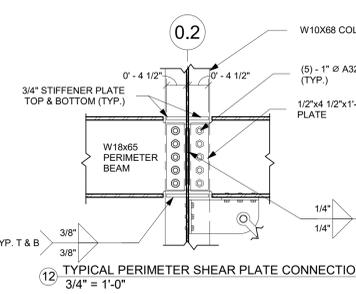
8 DETAIL
3" = 1'-0"



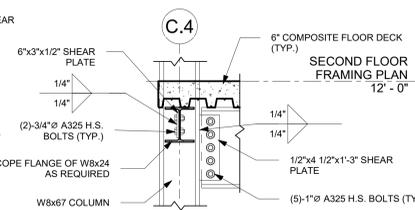
9 TYPICAL BEAM TO BEAM SHEAR CONNECTION
3/4" = 1'-0"



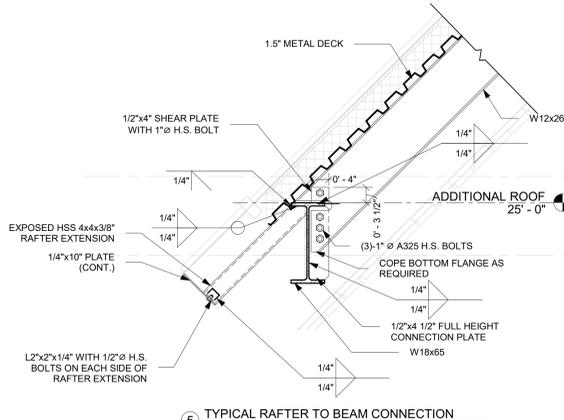
16 TYPICAL BEAM TO BEAM SHEAR CONNECTION 1
3/4" = 1'-0"



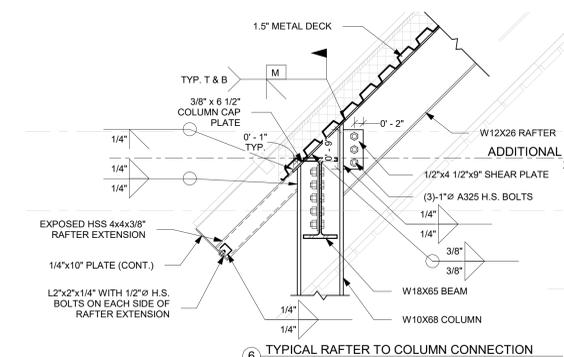
12 TYPICAL PERIMETER SHEAR PLATE CONNECTION
3/4" = 1'-0"



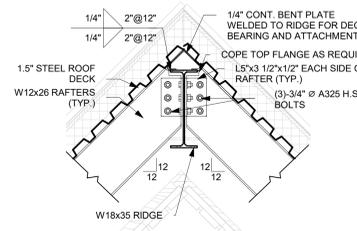
13 SECOND FLOOR BEAM TO COLUMN CONNECTION AT LOW ROOF
3/4" = 1'-0"



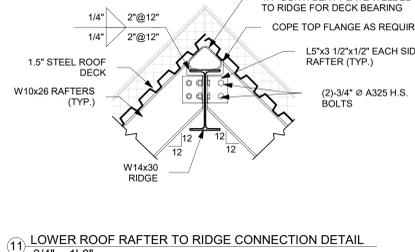
5 TYPICAL RAFTER TO BEAM CONNECTION
3/4" = 1'-0"



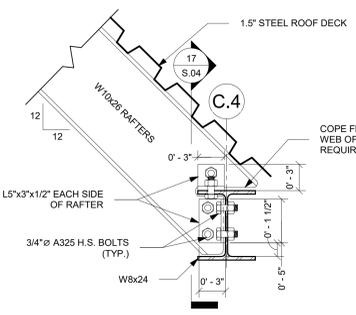
6 TYPICAL RAFTER TO COLUMN CONNECTION
3/4" = 1'-0"



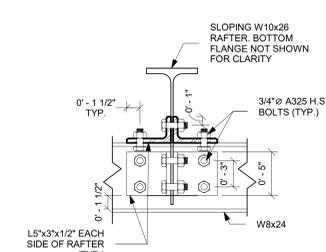
10 MAIN ROOF RAFTER TO RIDGE CONNECTION DETAIL
3/4" = 1'-0"



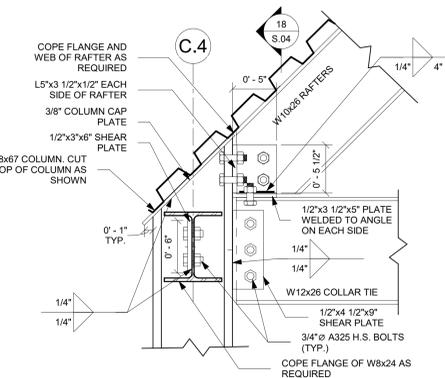
11 LOWER ROOF RAFTER TO RIDGE CONNECTION DETAIL
3/4" = 1'-0"



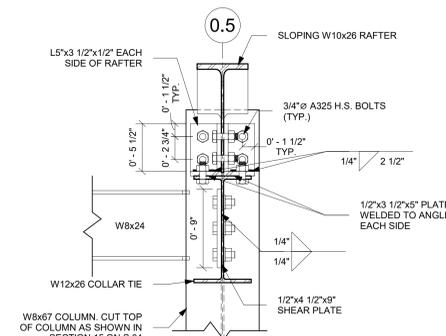
14 RAFTER TO BEAM CONNECTION AT LOW ROOF
1 1/2" = 1'-0"



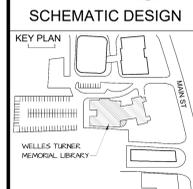
17 RAFTER TO BEAM CONNECTION AT LOW ROOF 1
1 1/2" = 1'-0"



15 RAFTER AND COLLAR TIE TO COLUMN CONNECTION AT LOW ROOF
1 1/2" = 1'-0"



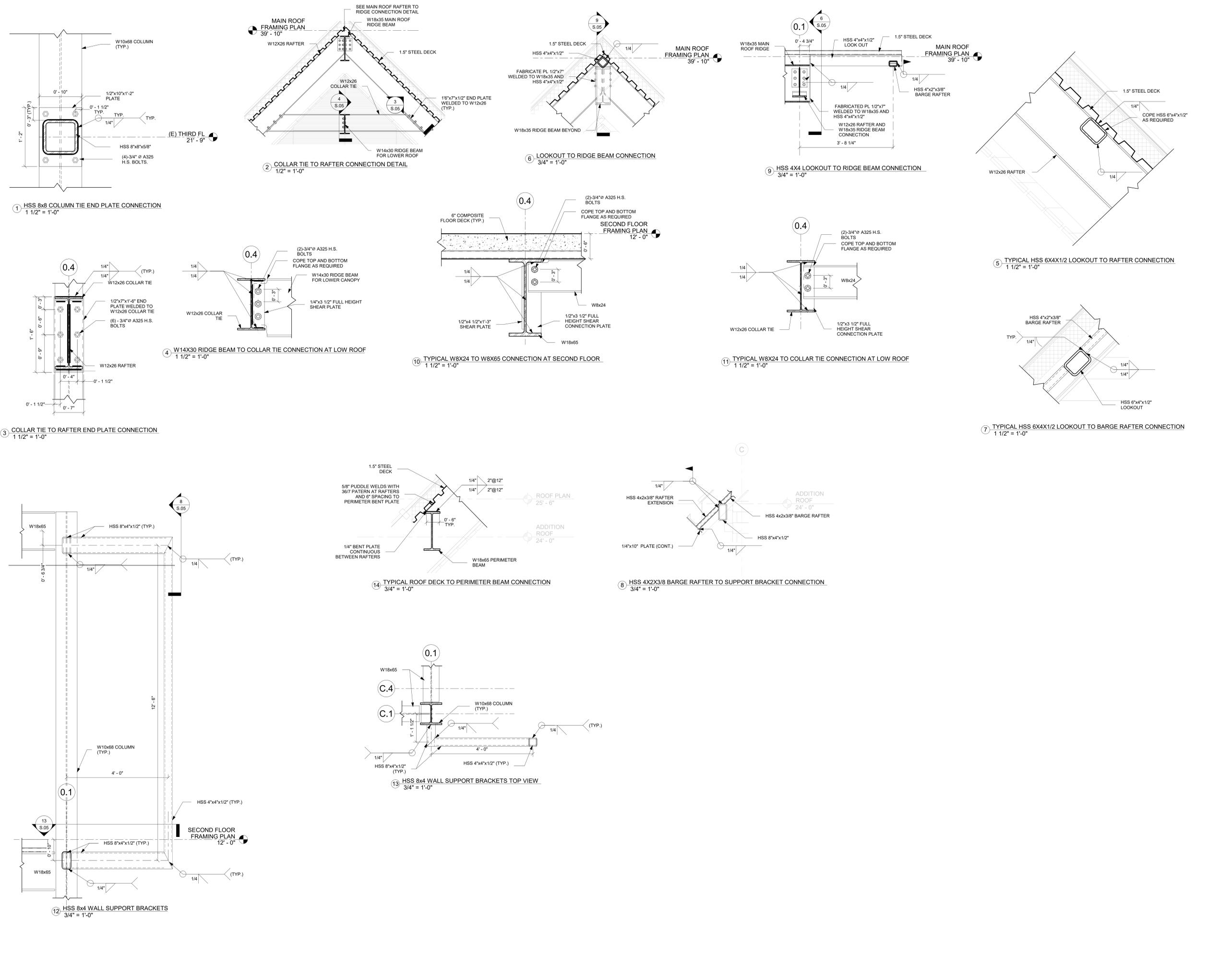
18 RAFTER AND COLLAR TIE TO COLUMN CONNECTION AT LOW ROOF
1 1/2" = 1'-0"



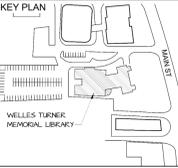
DRAWING TITLE
Typical Details

GLAST. BID. NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As Indicated
DATE	6.1.2020
DRAWN BY	NB
APPROVED BY	JD

ISSUE DETAILS		
NO.	DATE	PURPOSE



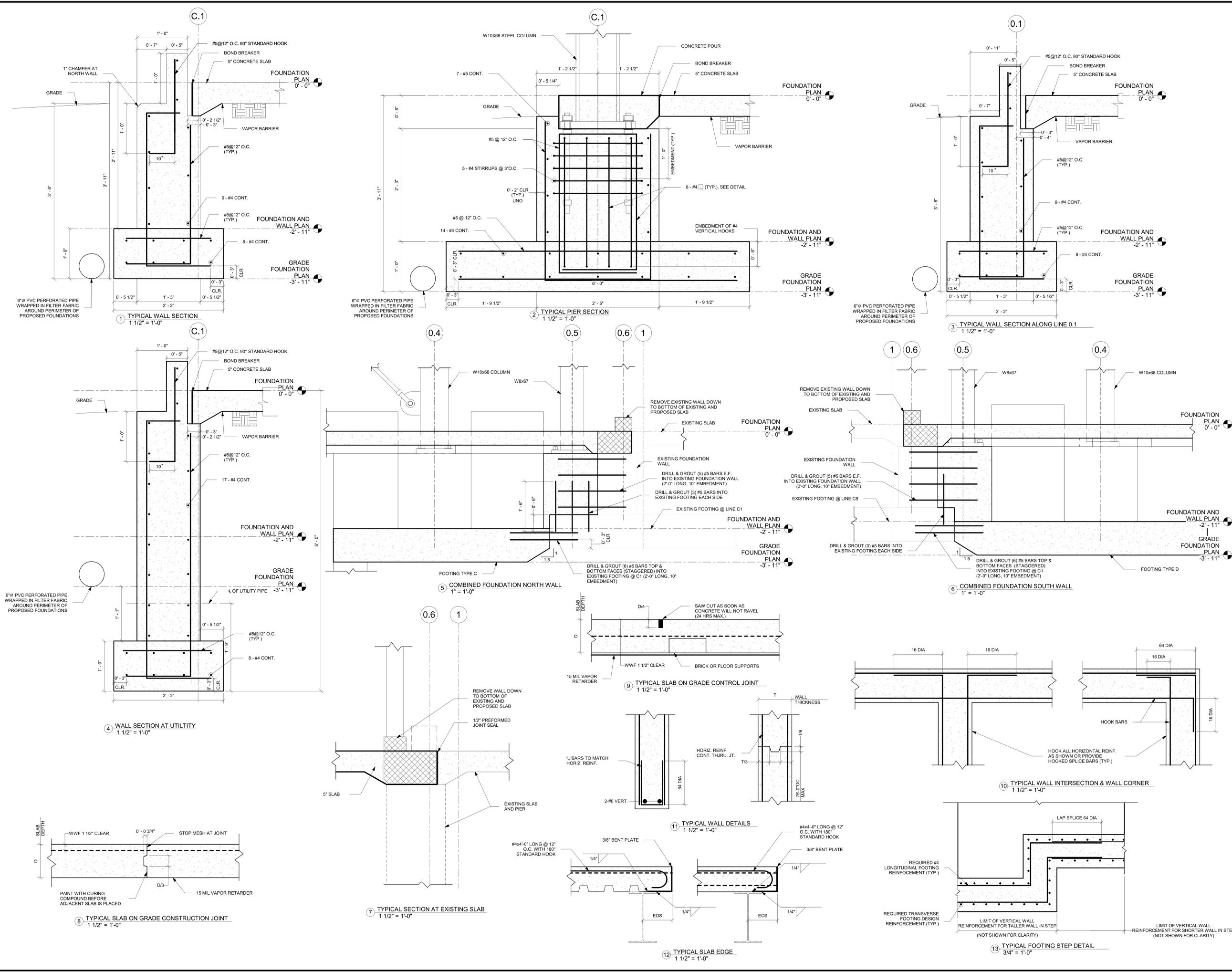
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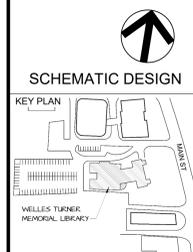
DRAWING TITLE
Foundation Details

GLAST. BID. NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As indicated
DATE	6.1.2020
DRAWN BY	NB
APPROVED BY	JD

ISSUE DATES		
NO.	DATE	PURPOSE



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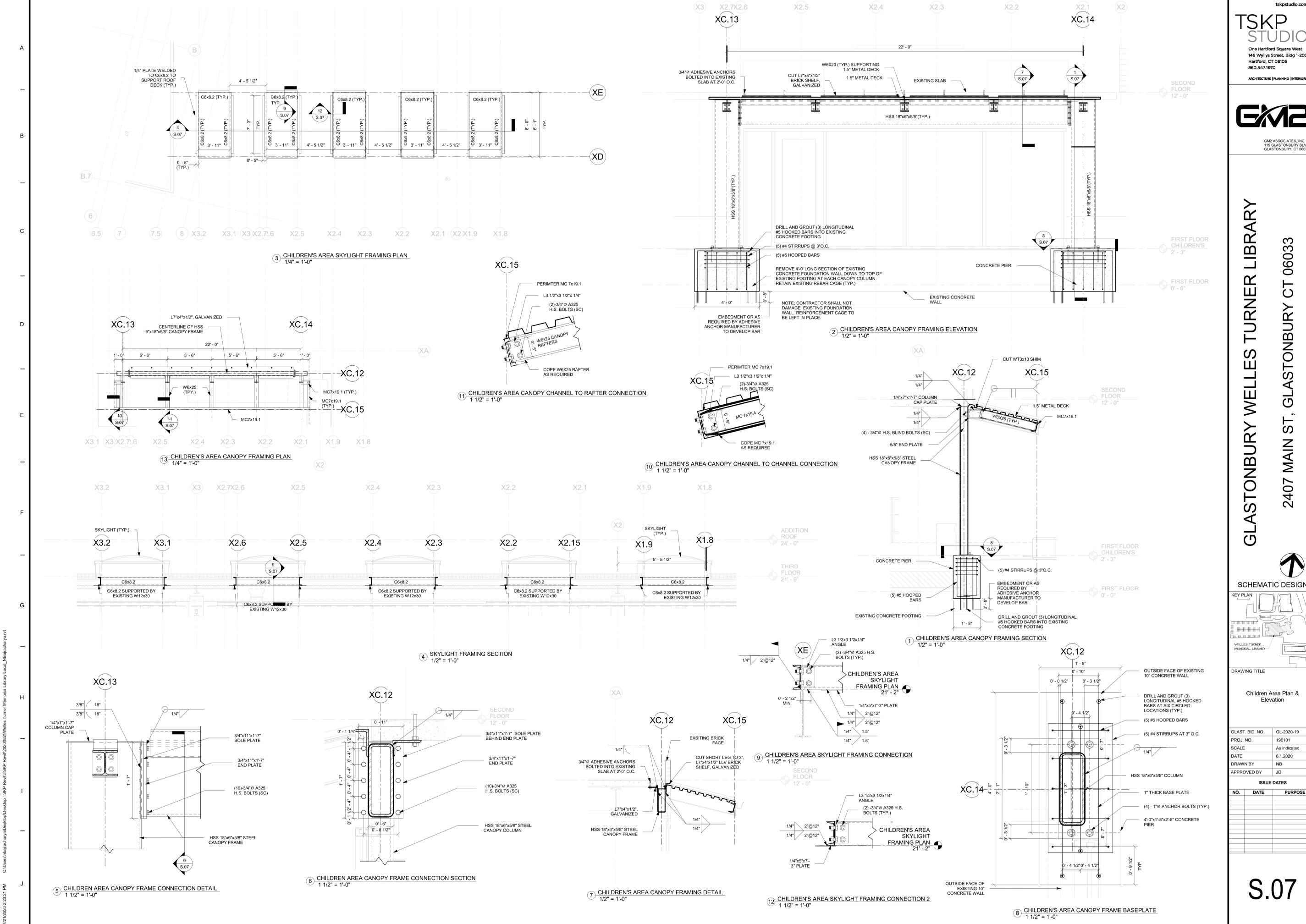


DRAWING TITLE
 Children Area Plan & Elevation

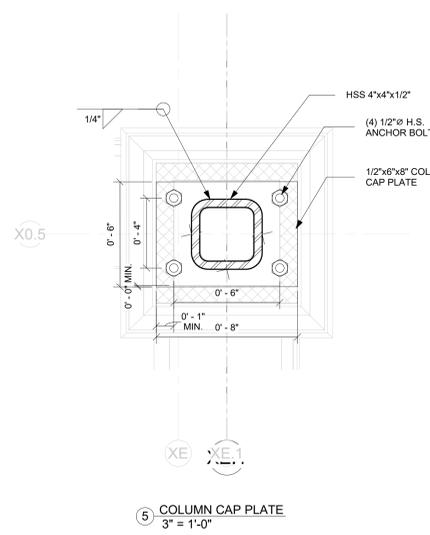
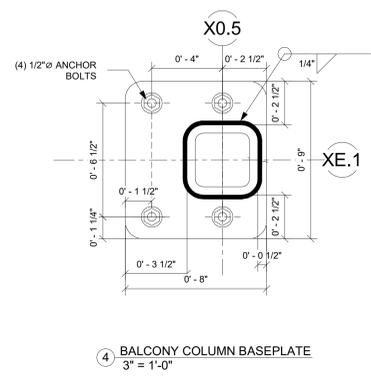
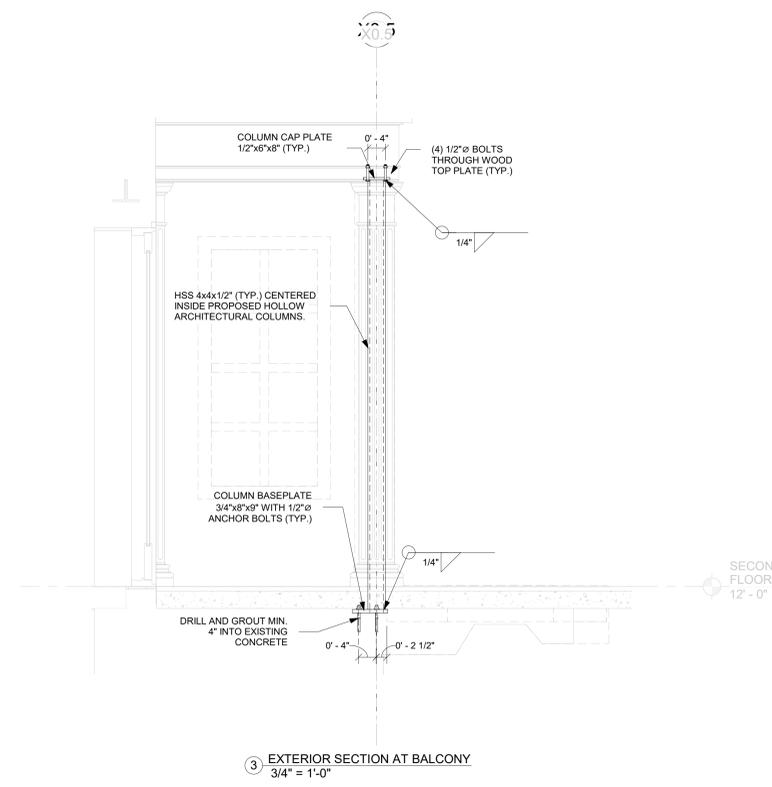
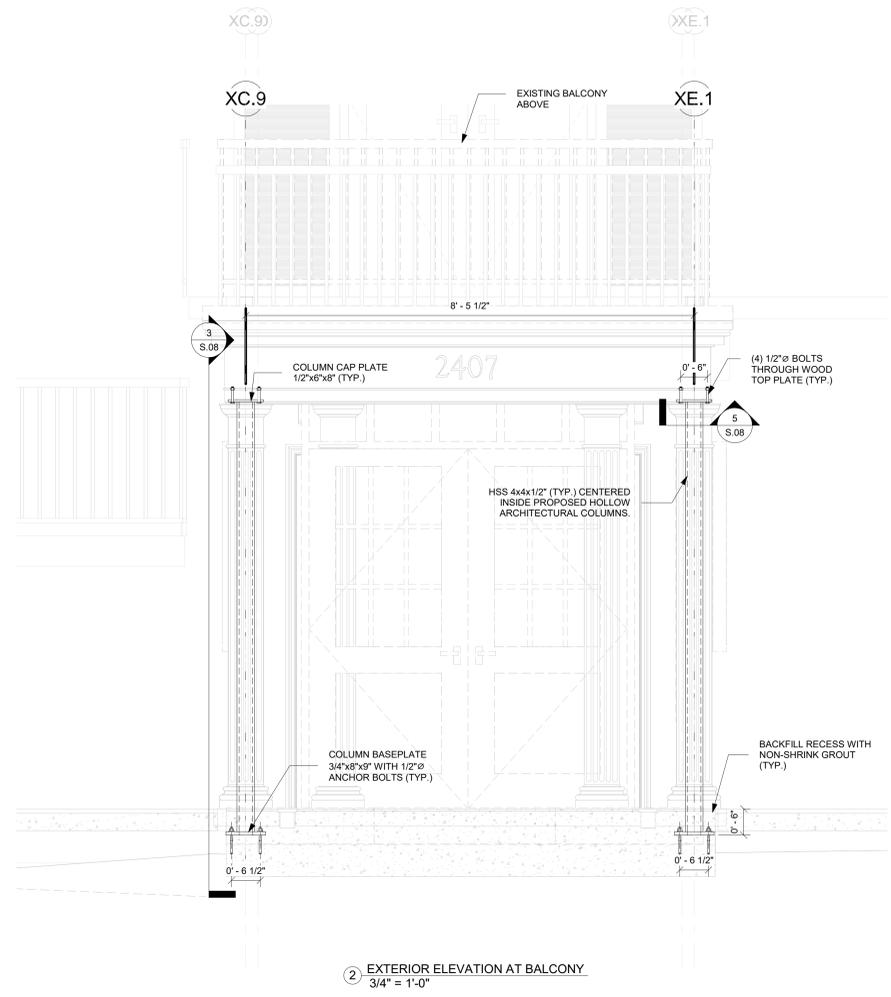
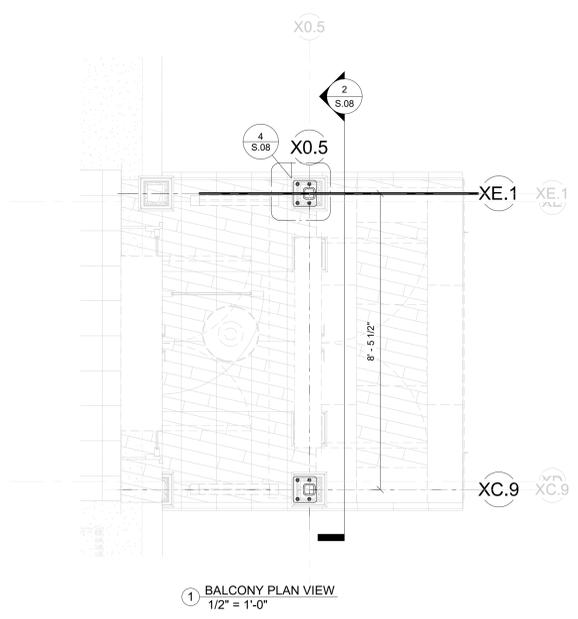
GLAST. BID. NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As indicated
DATE	6.1.2020
DRAWN BY	NB
APPROVED BY	JD

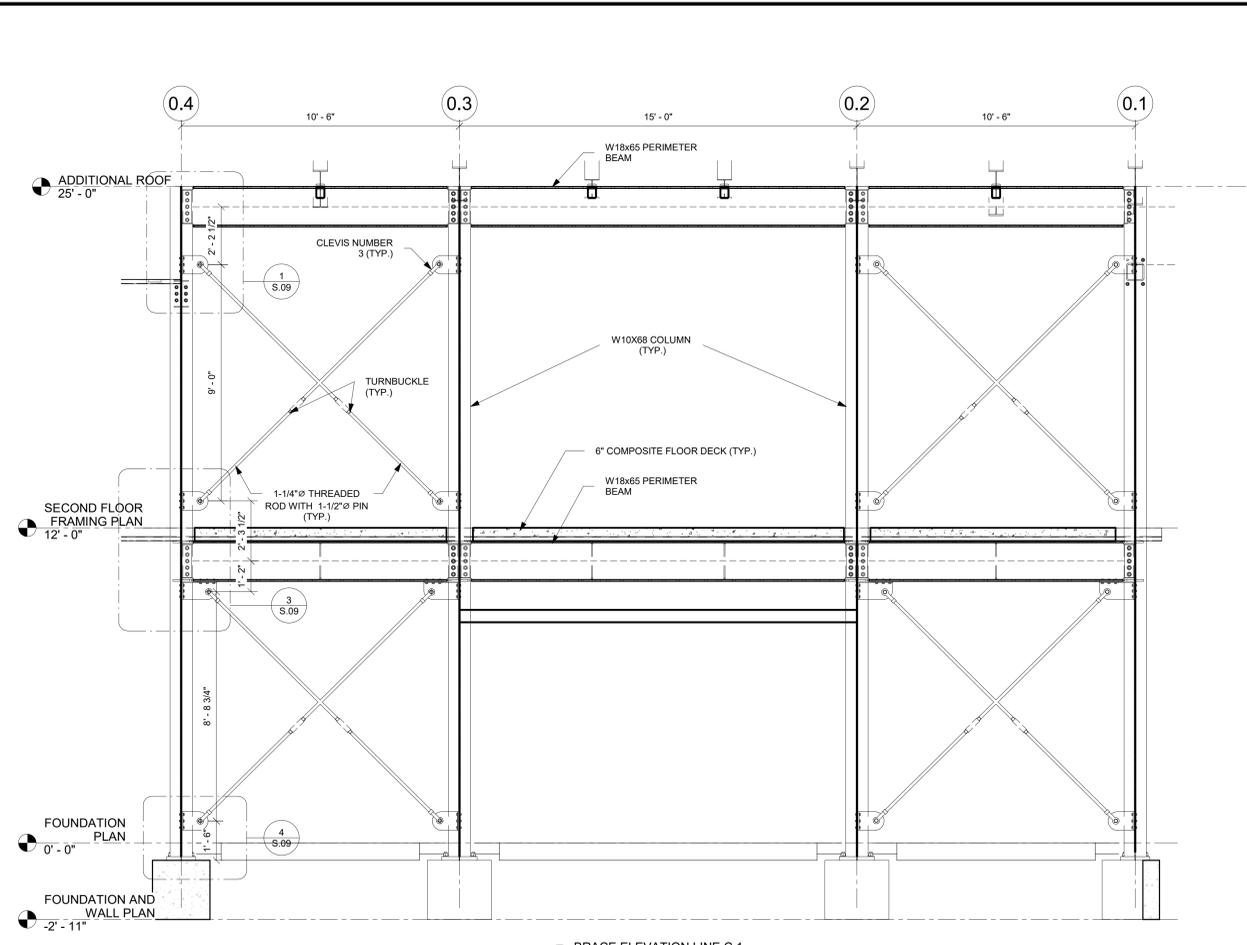
ISSUE DATES		
NO.	DATE	PURPOSE

S.07

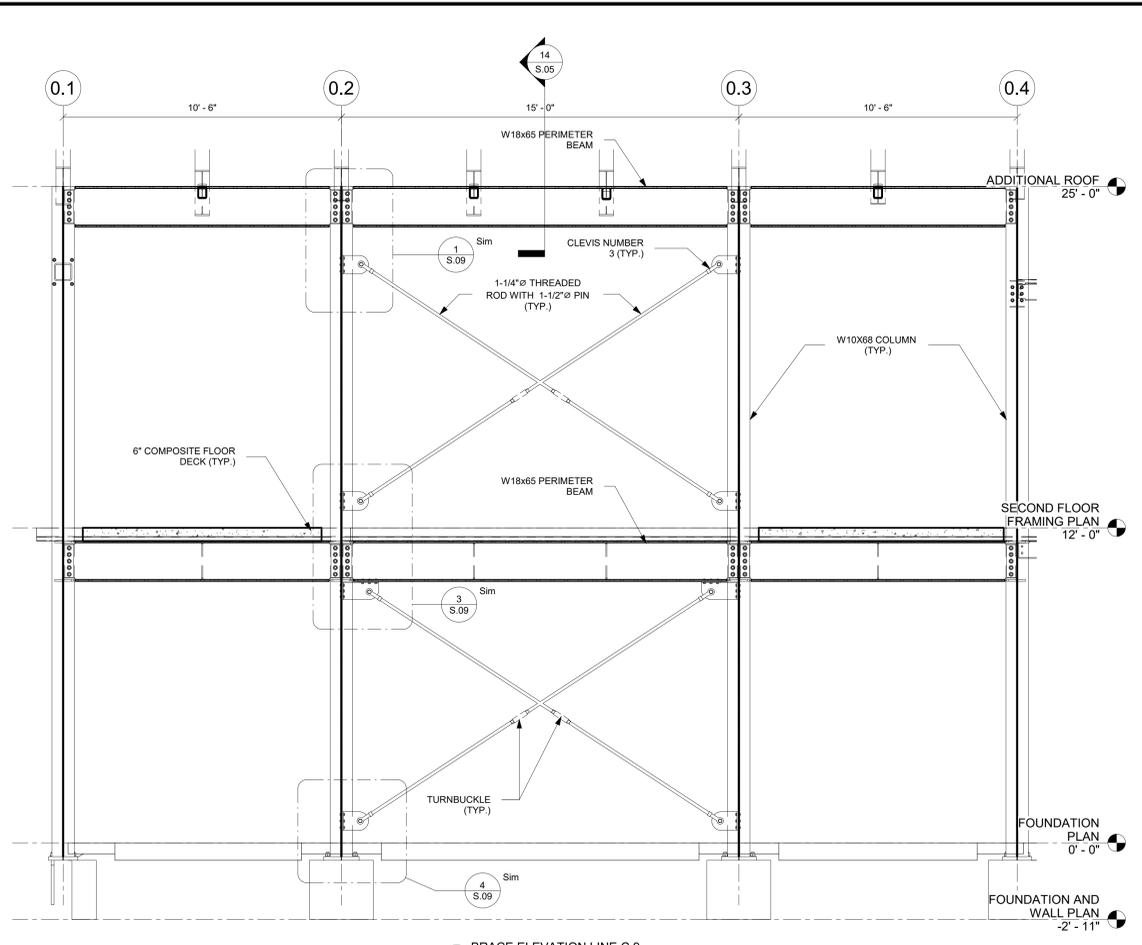


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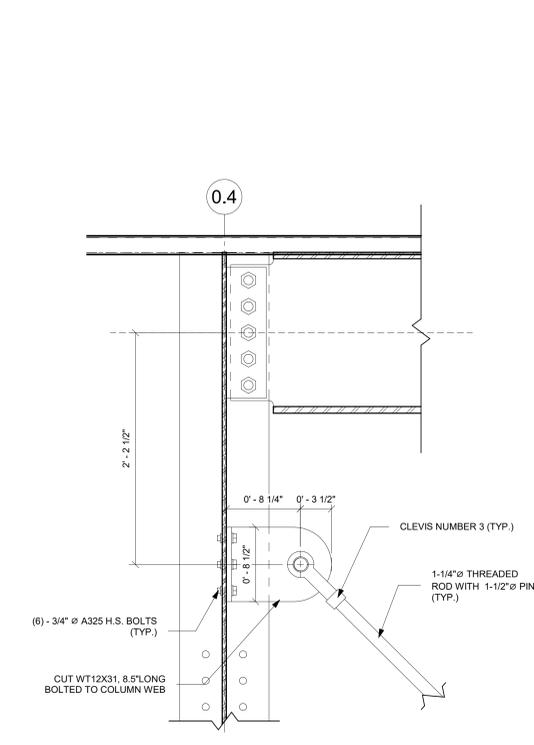




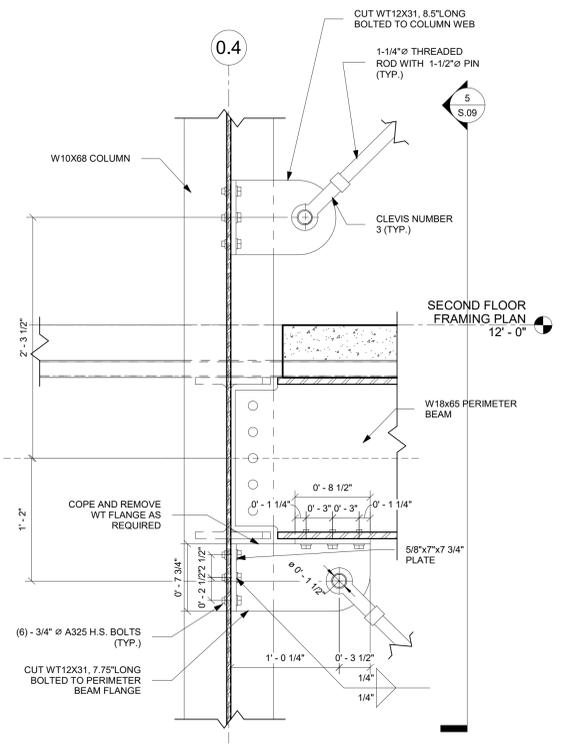
2 BRACE ELEVATION LINE C.1
 3/8" = 1'-0"



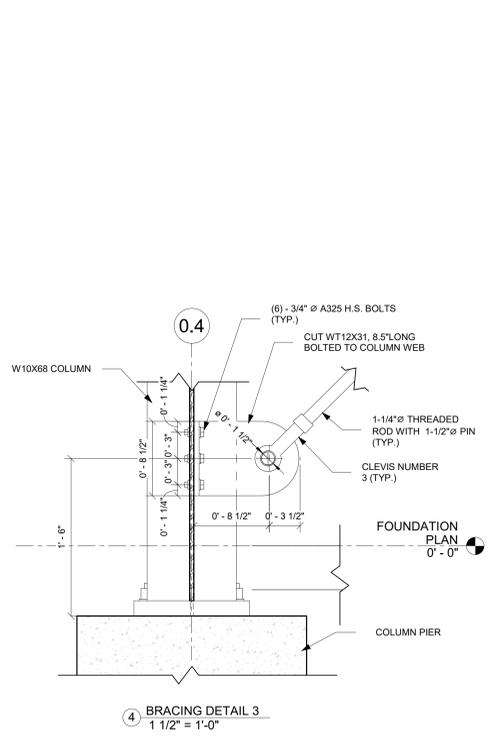
6 BRACE ELEVATION LINE C.9
 3/8" = 1'-0"



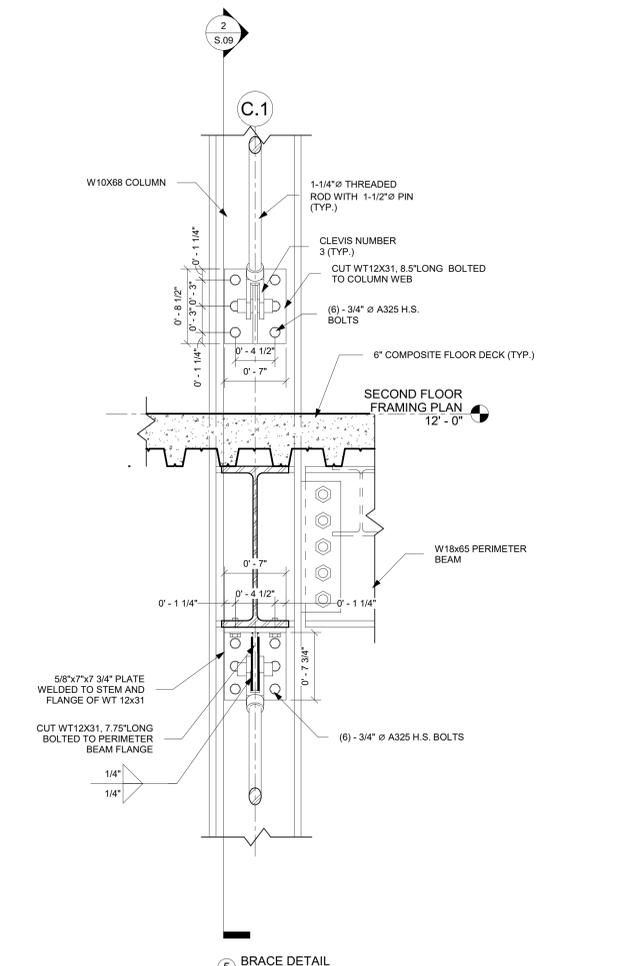
1 BRACING DETAIL 1
 1 1/2" = 1'-0"



3 BRACING DETAIL 2
 1 1/2" = 1'-0"

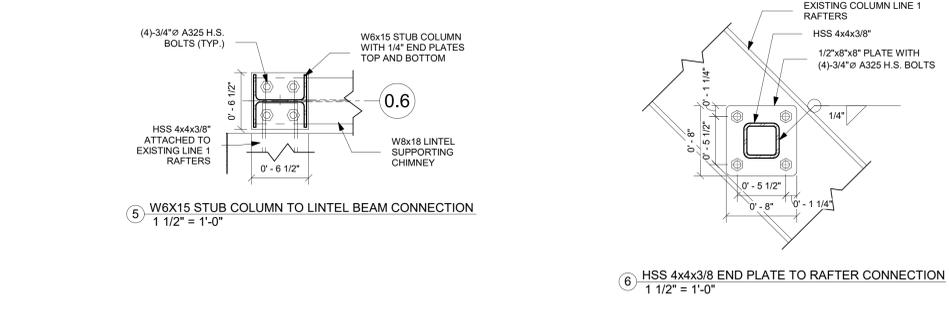
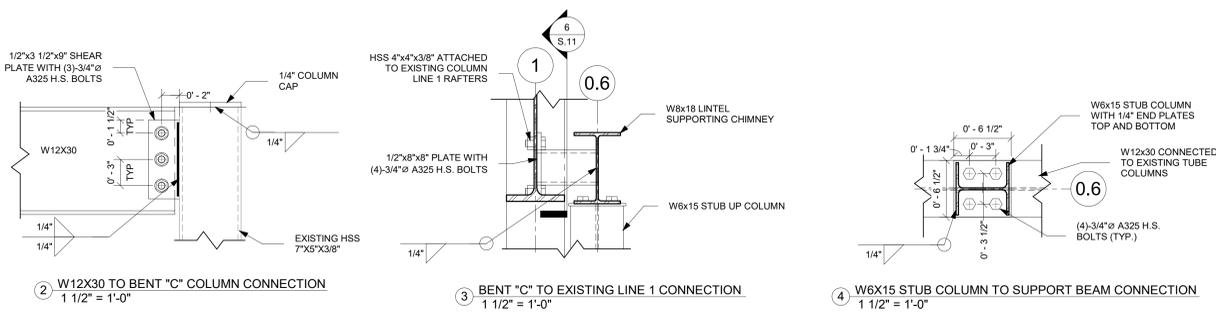
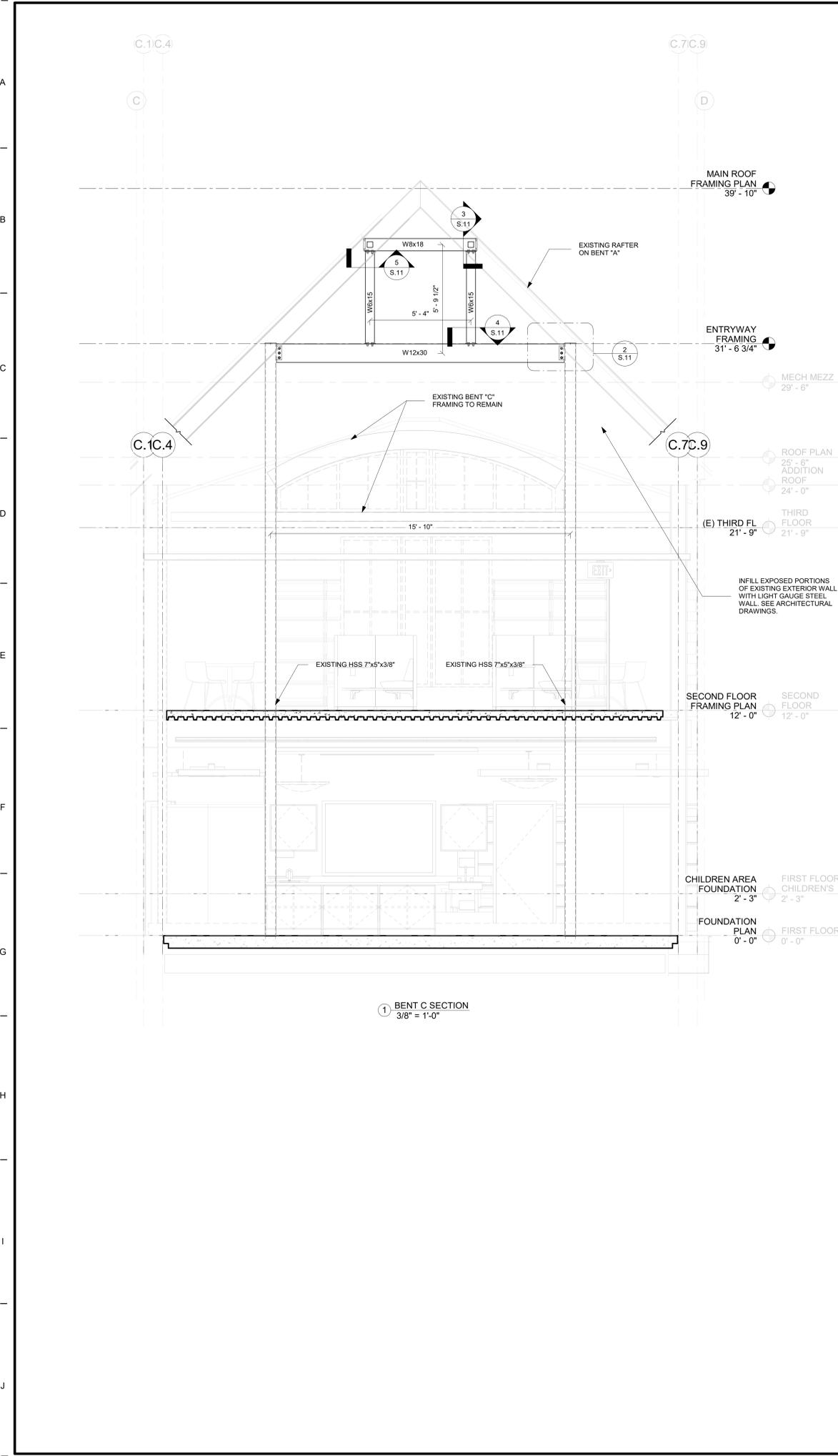


4 BRACING DETAIL 3
 1 1/2" = 1'-0"

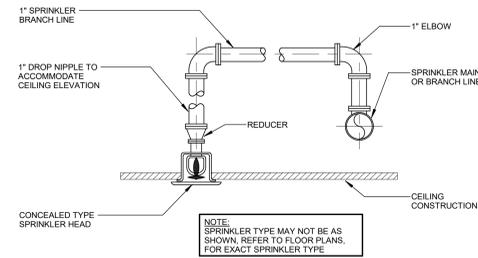


5 BRACE DETAIL
 1 1/2" = 1'-0"

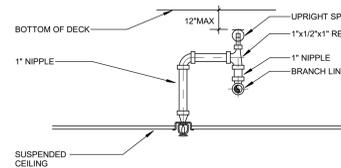
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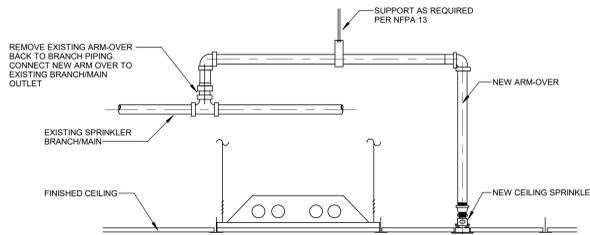
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1 ARM-OVER DETAIL
NTS



2 SPRINKLER ABOVE AND BELOW SUSPENDED CEILING
NTS



3 ARM-OVER CONNECTION TO EXISTING OUTLET
NTS

FIRE PROTECTION SYMBOL LEGEND	
SYMBOL	DESCRIPTION
FDC	FIRE DEPARTMENT CONNECTION PIPING
D	DRAIN PIPING
	SPRINKLER MAIN (WET)
	SPRINKLER MAIN (DRY)
	ALARM BELL (PLAN/DETAIL VIEW)
	WET ALARM VALVE RISER
	FIRE DEPARTMENT CONNECTION
	90° ELBOW DOWN
	90° ELBOW UP
	TEE UP
	TEE DOWN
	DROP AND RUN
	TEE OFF TOP OF PIPE
	TEE OFF BOTTOM OF PIPE
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	UNION
	FLANGE
	END CAP
	OS&Y GATE VALVE
	GATE VALVE
	CHECK VALVE
	BALL VALVE/DRAIN VALVE
	BUTTERFLY VALVE
	RELIEF VALVE
	REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY AND DRAIN
	STRAINER
	PUMP
	PRESSURE GAUGE
	PRESSURE REDUCING VALVE
	FIRE VALVE (IN CABINET)
	GATE VALVE ON RISE
FS	FLOW SWITCH
TS	TAMPER SWITCH
PS	PRESSURE SWITCH

SPRINKLER SYMBOL LEGEND	
SYMBOL	DESCRIPTION
•	PENDENT SPRINKLER
▷	SIDEWALL SPRINKLER
▷ _{ITC}	INTERMEDIATE TEMPERATURE SIDEWALL SPRINKLER
▷ _D	DRY SIDEWALL SPRINKLER
○	UPRIGHT SPRINKLER
○ _{ITC}	INTERMEDIATE TEMPERATURE UPRIGHT SPRINKLER
●	CONCEALED PENDENT SPRINKLER

GENERAL NOTES	
1.	CONTRACTOR SHALL PROVIDE ALL PIPING NECESSARY FOR CONNECTING NEW SPRINKLERS TO EXISTING FIRE PROTECTION SYSTEM.
2.	CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING EXISTING SPRINKLER PIPING AS NECESSARY FOR CONNECTION TO NEW WORK.
3.	COORDINATE LOCATIONS OF SPRINKLER HEADS WITH STRUCTURE AND ALL OTHER POTENTIAL OBSTRUCTIONS PER NFPA REQUIREMENTS.

SPRINKLER SYSTEM NOTES			
1.	THESE GENERAL NOTES ARE APPLICABLE TO ALL FIRE PROTECTION DRAWINGS.		
2.	DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL INTENT OF WORK. SEE DETAILS, RISERS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.		
3.	THE DRAWINGS INDICATE A SUGGESTED SPRINKLER HEAD LAYOUT AND THAT EACH AREA IS COVERED BY SPRINKLER PROTECTION AS REQUIRED BY ALL APPLICABLE STATE OR CT BUILDING AND FIRE CODES. THE SPRINKLER QUANTITIES SHALL NOT BE COUNTED AS A TAKE OFF OR AS EXACT LOCATIONS. EXACT SPACING, DENSITY, AND LOCATION REQUIREMENTS SHALL BE AS DICTATED BY NFPA 13.		
4.	FLOW DATA PERFORMED ON 05/08/2020: A HYDRANT FLOW TEST ON MAIN STREET IN GLASTONBURY, CT AT THE INTERSECTIONS OF WELLES STREET AND HEBRON AVENUE WAS RECORDED AS: STATIC PRESSURE: 88 PSI RESIDUAL PRESSURE: 55 PSI FLOW RATE: 1,250 GPM		
	THE FLOW DATA SHALL BE USED AS A GUIDE BY THE CONTRACTOR. THE CONTRACTOR SHALL PERFORM AN ADDITIONAL FLOW TEST TO VERIFY THE INFORMATION. INFORMATION FROM THE CONTRACTOR'S FLOW TEST SHALL BE USED FOR HYDRAULIC CALCULATIONS.		
5.	THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS INCLUDING EXISTING TEE OUTLET SIZE FOR ALL RETURN BEND ASSEMBLIES. BEFORE ANY NEW WORK STARTS, THE CONTRACTOR SHALL DETERMINE THAT ALL EXISTING OUTLETS ARE A MINIMUM OF ONE INCH. IF IT IS DETERMINED THAT THE EXISTING OUTLET SIZE IS LESS THAN ONE INCH, ALL SPRINKLER WORK SHALL STOP AND IT SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION. THE CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL DIRECTION IS GIVEN BY THE ARCHITECT.		
6.	COMBINED INSIDE AND OUTSIDE HOSE STREAM ALLOWANCE FOR HYDRAULIC CALCULATIONS SHALL BE 250 GPM.		
7.	HYDRAULIC CALCULATIONS SHALL INCLUDE A SAFETY FACTOR OF 10 PSI.		
8.	PIPE VELOCITY AT ANY POINT OF THE SYSTEM SHALL NOT EXCEED 12 FPS.		
9.	INSTALLATION OF SPRINKLERS SHALL BE BASED ON THE FOLLOWING:		
	AREA	OCCUPANCY CLASSIFICATION	DENSITY (GPM/SF)
	MECHANICAL ROOM	ORDINARY HAZARD GROUP 1	0.15
	STORAGE ROOMS	ORDINARY HAZARD GROUP 1	0.15
	MAKER SPACE	ORDINARY HAZARD GROUP 1	0.15
	STACK ROOMS	ORDINARY HAZARD GROUP 2	0.20
	REMAINDER OF THE BUILDING	LIGHT HAZARD	0.10

FIRE PROTECTION ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
CR	CORROSION RESISTANT
D	DRY
DCV	DOUBLE CHECK VALVE
EC	EXTENDED COVERAGE
ELEV	ELEVATION
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FD	FIRE DEPARTMENT
FDC	FIRE DEPARTMENT CONNECTION
FHV	FIRE HOSE VALVE
FP	FIRE PROTECTION
FPC	FIRE PUMP CONTROLLER
FS	FEET PER MINUTE
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	TOTAL DEVELOPED HEAD
HTC	HIGH TEMPERATURE CLASSIFICATION
HVC	HOSE VALVE CABINET
ITC	INTERMEDIATE TEMPERATURE CLASSIFICATION
JP	JOCKEY PUMP
JPC	JOCKEY PUMP CONTROLLER
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NTS	NOT TO SCALE
OS&Y	OUTSIDE SCREW AND YOLK
PA	PREACTION
PAC	PREACTION ALARM VALVE CABINET
PD	PRESSURE DROP
PVI	PRESSURE INDICATOR VALVE
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
SS	SUPERVISORY SWITCH
TS	TAMPER SWITCH
TYP	TYPICAL
V	VOLTS
VEL	VELOCITY
WG	WIRE GUARD

FIRE PROTECTION DEMOLITION NOTES	
1.	THE FIRE PROTECTION CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEM AND CONDITIONS IN AREAS OF RENOVATION.
2.	ALL EXISTING PIPING AND EQUIPMENT SHOWN HAS BEEN TAKEN FROM THE BEST AVAILABLE EXISTING INFORMATION. THE DRAWINGS ARE DIAGRAMMATIC AND ALL PIPING AND DEVICES MAY NOT BE SHOWN.
3.	CONTRACTOR TO VERIFY IN FIELD THE SIZE AND LOCATION OF FIRE PROTECTION PIPING AND TO REPORT ANY VARIANCES TO THE ARCHITECT FOR INCLUSION IN THE DRAWINGS.
4.	ALL PIPING TO BE REMOVED SHALL BE REMOVED COMPLETELY OR CAPPED AS SHOWN WITHOUT LEAVING ANY DEAD ENDED PIPING OR ABANDONED PIPING.
5.	NO FIRE PROTECTION EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED OR ABANDONED SHALL REMAIN.
6.	ANY SYSTEM OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION BY PROVIDING TEMPORARY CONNECTIONS AS REQUIRED UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
7.	ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED WITH THE BUILDING MANAGEMENT IN ADVANCE. THE FIRE MARSHALL MUST BE CONTACTED IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
8.	THE FIRE MARSHALL AND/OR THE INSURANCE UNDERWRITER SHALL BE CONTACTED TO REVIEW AND APPROVE THE EXTENT OR PHASING OF THE FIRE PROTECTION DEMOLITION IN ORDER TO PROTECT THE OCCUPANTS AND PROPERTY. THESE DOCUMENTS DO NOT ADDRESS THE PHASING OF THE SYSTEM REMOVAL, ONLY THE EXTENT.
9.	THE FIRE PROTECTION CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

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CONSTRUCTION DOCS

KEY PLAN

WELLES TURNER MEMORIAL LIBRARY

DRAWING TITLE	
FIRE PROTECTION ABBREVIATIONS, LEGENDS, SYMBOLS AND NOTES	

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As Indicated
DATE	6.1.2020
DRAWN BY	JCC
APPROVED BY	EMG

ISSUE DATES		
NO.	DATE	PURPOSE

FP0.00

FIRE PROTECTION DEMOLITION KEY NOTES	
	REMOVE EXISTING SIDEWALL SPRINKLER, ASSOCIATED PIPING AND HANGERS BACK TO SPRINKLER MAIN AND CAP.
	REMOVE EXISTING CONCEALED TYPE SPRINKLER HEAD, ASSOCIATED PIPING AND HANGERS BACK TO SPRINKLER MAIN AND CAP.
	REMOVE EXISTING PENDENT SPRINKLER HEAD, ASSOCIATED PIPING AND HANGERS BACK TO SPRINKLER MAIN AND CAP. (TYP)
	REMOVE EXISTING SIDEWALL SPRINKLER HEAD, ASSOCIATED PIPING AND HANGERS BACK INTO BUILDING AND CAP.

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DRAWING TITLE

FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	JCC
APPROVED BY	EMG

ISSUE DATES

NO.	DATE	PURPOSE

FPD1.01



1 FIRE PROTECTION - FIRST FLOOR DEMOLITION PLAN
 1/8" = 1'-0"

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FIRE PROTECTION DEMOLITION KEY NOTES	
	REMOVE EXISTING SIDEWALL SPRINKLER, ASSOCIATED PIPING AND HANGERS BACK TO SPRINKLER MAIN AND CAP.
	REMOVE EXISTING CONCEALED TYPE SPRINKLER HEAD, ASSOCIATED PIPING AND HANGERS BACK TO SPRINKLER MAIN AND CAP.
	REMOVE EXISTING PENDENT SPRINKLER HEAD, ASSOCIATED PIPING AND HANGERS BACK TO SPRINKLER MAIN AND CAP. (TYP)
	REMOVE EXISTING SIDEWALL SPRINKLER HEAD, ASSOCIATED PIPING AND HANGERS BACK INTO BUILDING AND CAP.

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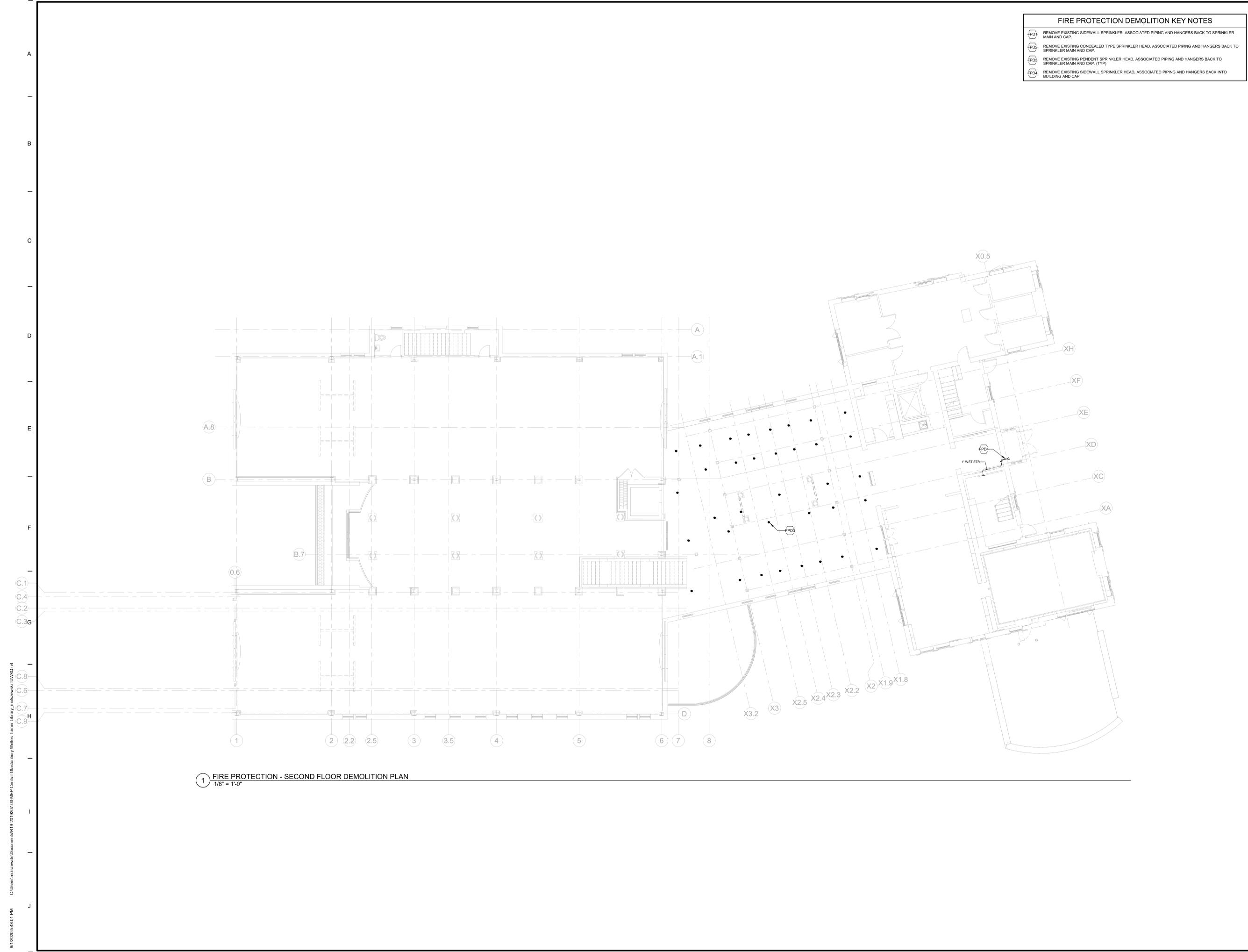
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**FIRE PROTECTION
 SECOND FLOOR
 DEMOLITION PLAN**

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	JCC
APPROVED BY	EMG

ISSUE DATES		
NO.	DATE	PURPOSE

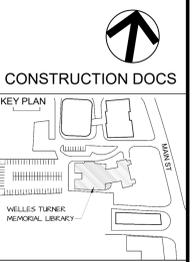
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1 FIRE PROTECTION - SECOND FLOOR DEMOLITION PLAN
 1/8" = 1'-0"

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- ### FIRE PROTECTION KEY NOTES
- (FP1) PROVIDE NEW QUICK RESPONSE CONCEALED PENDENT SPRINKLER (TYP)
 - (FP2) PROVIDE QUICK RESPONSE UPRIGHT SPRINKLER BELOW OVERHANG. LOCATE SPRINKLER WITH DEFLECTOR BETWEEN 1" AND 12" FROM DECK.
 - (FP3) PROVIDE QUICK RESPONSE CONCEALED PENDENT SPRINKLER LOCATED WITH DEFLECTOR PERPENDICULAR TO THE SLOPE OF THE CEILING (TYP)
 - (FP4) QUICK RESPONSE CONCEALED PENDENT SPRINKLER NEAR THE PEAK OF THE CEILING SHALL HAVE DEFLECTORS LOCATED NOT MORE THAN 36" VERTICALLY DOWN FROM THE PEAK (TYP)
 - (FP5) PROVIDE QUICK RESPONSE CONCEALED PENDENT SPRINKLERS IN LOWER CEILING (TYP)
 - (FP6) PROVIDE SHIELD ABOVE SPRINKLER TO PROTECT AGAINST DISCHARGE FROM SPRINKLERS ABOVE.
 - (FP7) CONTRACTOR TO FIELD VERIFY EXISTING SPRINKLER HEAD LOCATION. CONTRACTOR SHALL BE RESPONSIBLE TO RE-POSITION EXISTING SPRINKLER TO CENTER OF 2'X2' CEILING TILE IN THE INSTANCE WHERE THE CEILING GRID DESIGN IS CHANGED. CONTRACTOR SHALL BE RESPONSIBLE TO MOVE EXISTING SPRINKLER TO AVOID NEW LIGHTING. WHILE MAINTAINING SPACING REQUIREMENTS IDENTIFIED IN NFPA 13. (TYP)
 - (FP8) FP WET MAIN UP TO SECOND FLOOR.
 - (FP9) FP WET MAIN FROM BELOW.
 - (FP10) CONNECT TO EXISTING FP WET SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO MODIFY EXISTING FP WET SYSTEM AS REQUIRED FOR CONNECTION TO NEW WORK. PROVIDE PIPING AND MATERIALS AS REQUIRED.
 - (FP11) PROVIDE NEW INTERMEDIATE TEMPERATURE UPRIGHT SPRINKLER LOCATED IN SKYLIGHT. SPRINKLER DEFLECTOR SHALL BE LOCATED A MAXIMUM OF 12" FROM TOP OF SKYLIGHT. PROVIDE PIPING, FITTINGS, HANGERS FOR CONNECTION TO EXISTING SPRINKLER PIPING. CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING EXISTING SPRINKLER PIPING AS REQUIRED.
 - (FP12) PROVIDE NEW QUICK RESPONSE CONCEALED PENDENT SPRINKLER. PROVIDE PIPING, FITTINGS, HANGERS FOR CONNECTION TO EXISTING SPRINKLER PIPING. CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING EXISTING SPRINKLER PIPING AS REQUIRED.
 - (FP13) PROVIDE NEW QUICK RESPONSE UPRIGHT SPRINKLER ABOVE WOOD PLANKS WITH DEFLECTOR LOCATED 1" TO 12" BELOW DECK. (TYP)
 - (FP14) PROVIDE NEW QUICK RESPONSE CONCEALED PENDENT SPRINKLER. PROVIDE NEW PIPING AND FITTINGS FOR CONNECTION TO EXISTING MAIN. (REFER TO DETAIL #3FP0.00)
 - (FP15) PROVIDE NEW QUICK RESPONSE UPRIGHT SPRINKLER. SPRINKLER PIPE SHALL BE CENTERED BETWEEN STRUCTURAL STEEL BEAMS. (TYP)
 - (FP16) PROVIDE NEW DRY TYPE SIDEWALL SPRINKLER BELOW EXTERIOR OVERHANG. CONNECT TO EXISTING SPRINKLER PIPING AT INTERIOR.



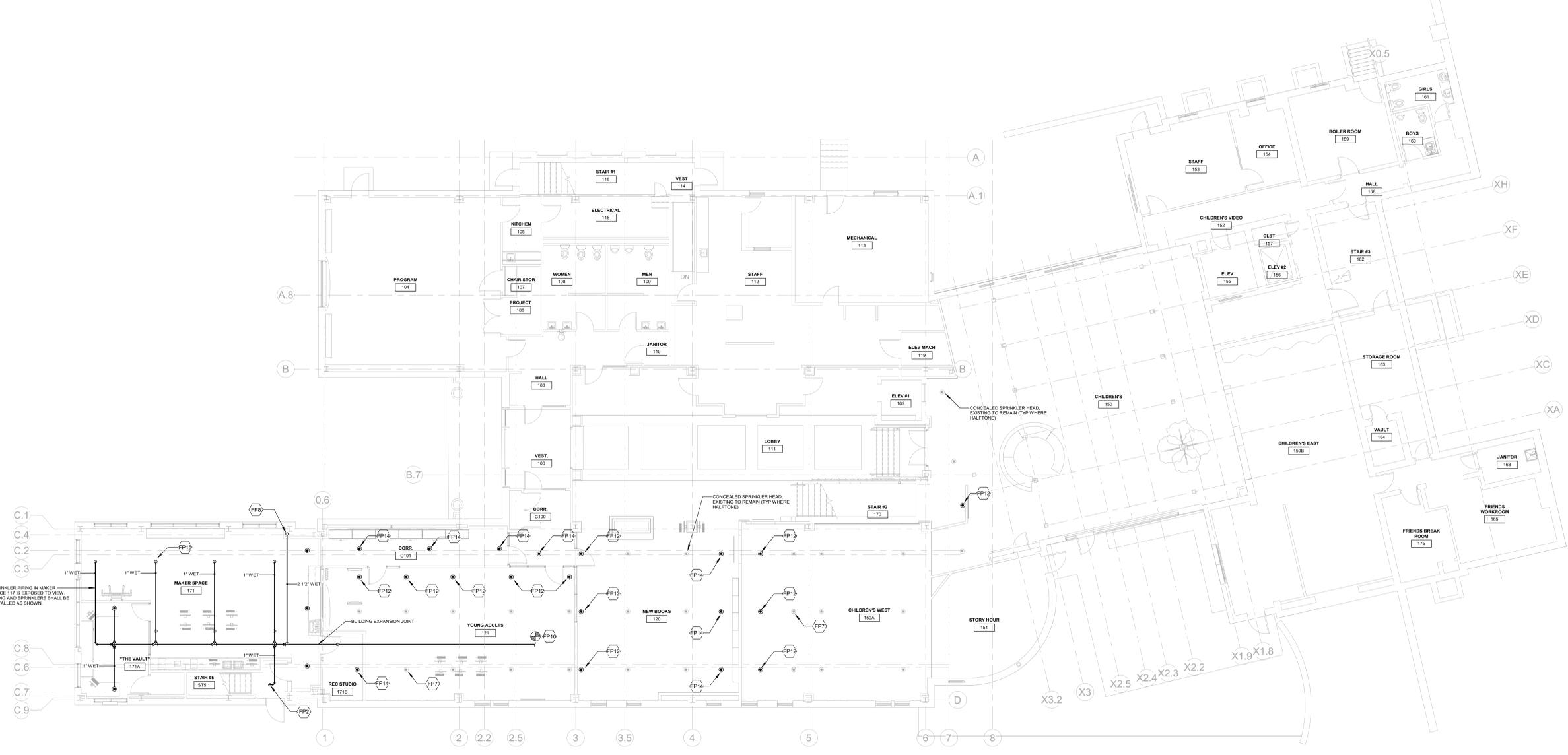
DRAWING TITLE

FIRE PROTECTION FIRST FLOOR PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	JCC
APPROVED BY	EMG

ISSUE DATES		
NO.	DATE	PURPOSE

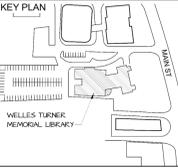
FP1.01



1 FIRE PROTECTION - FIRST FLOOR
 1/8" = 1'-0"



CONSTRUCTION DOCS



DRAWING TITLE

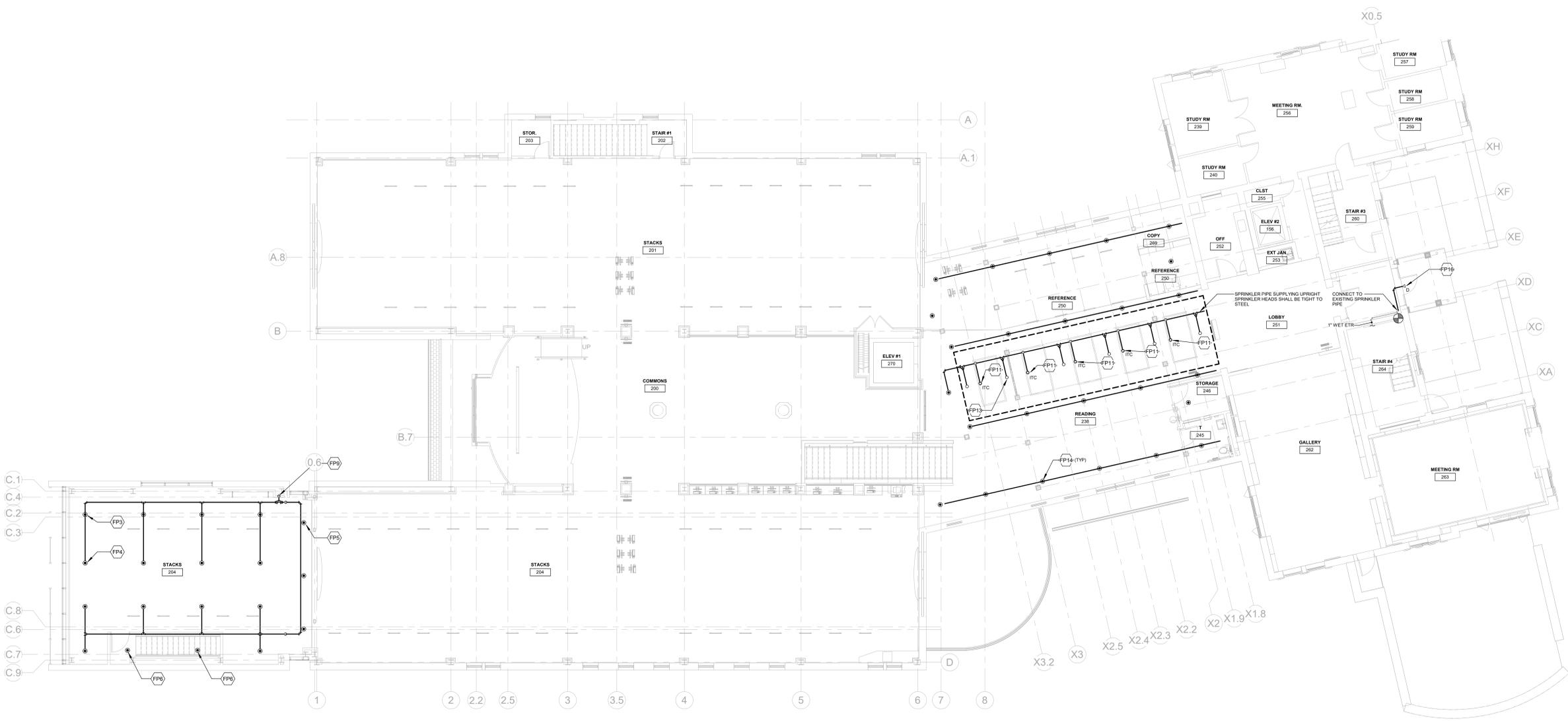
FIRE PROTECTION SECOND FLOOR PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	JCC
APPROVED BY	EMG

ISSUE DATES		
NO.	DATE	PURPOSE

FP1.02

- FIRE PROTECTION KEY NOTES**
- (FP1) PROVIDE NEW QUICK RESPONSE CONCEALED PENDENT SPRINKLER (TYP).
 - (FP2) PROVIDE QUICK RESPONSE UPRIGHT SPRINKLER BELOW OVERHANG. LOCATE SPRINKLER WITH DEFLECTOR BETWEEN 1' AND 12" FROM DECK.
 - (FP3) PROVIDE QUICK RESPONSE CONCEALED PENDENT SPRINKLER LOCATED WITH DEFLECTOR PERPENDICULAR TO THE SLOPE OF THE CEILING (TYP).
 - (FP4) QUICK RESPONSE CONCEALED PENDENT SPRINKLERS NEAR THE PEAK OF THE CEILING SHALL HAVE DEFLECTORS LOCATED NOT MORE THAN 36" VERTICALLY DOWN FROM THE PEAK (TYP).
 - (FP5) PROVIDE QUICK RESPONSE CONCEALED PENDENT SPRINKLERS IN LOWER CEILING (TYP).
 - (FP6) PROVIDE SHIELD ABOVE SPRINKLER TO PROTECT AGAINST DISCHARGE FROM SPRINKLERS ABOVE.
 - (FP7) CONTRACTOR TO FIELD VERIFY EXISTING SPRINKLER HEAD LOCATION. CONTRACTOR SHALL BE RESPONSIBLE TO RE-POSITION EXISTING SPRINKLER TO CENTER OF 2'X2' CEILING TILE IN THE INSTANCE WHERE THE CEILING GRID DESIGN IS CHANGED. CONTRACTOR SHALL BE RESPONSIBLE TO MOVE EXISTING SPRINKLER TO AVOID NEW LIGHTING, WHILE MAINTAINING SPACING REQUIREMENTS IDENTIFIED IN NFPA 13. (TYP).
 - (FP8) FP WET MAIN UP TO SECOND FLOOR.
 - (FP9) FP WET MAIN FROM BELOW.
 - (FP10) CONNECT TO EXISTING FP WET SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO MODIFY EXISTING FP WET SYSTEM AS REQUIRED FOR CONNECTION TO NEW WORK. PROVIDE PIPING AND MATERIALS AS REQUIRED.
 - (FP11) PROVIDE NEW INTERMEDIATE TEMPERATURE UPRIGHT SPRINKLER LOCATED IN SKYLIGHT. SPRINKLER DEFLECTOR SHALL BE LOCATED A MAXIMUM OF 12" FROM TOP OF SKYLIGHT. PROVIDE PIPING, FITTINGS, HANGERS FOR CONNECTION TO EXISTING SPRINKLER PIPING. CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING EXISTING SPRINKLER PIPING AS REQUIRED.
 - (FP12) PROVIDE NEW QUICK RESPONSE CONCEALED PENDENT SPRINKLER. PROVIDE PIPING, FITTINGS, HANGERS FOR CONNECTION TO EXISTING SPRINKLER PIPING. CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING EXISTING SPRINKLER PIPING AS REQUIRED.
 - (FP13) PROVIDE NEW QUICK RESPONSE UPRIGHT SPRINKLER ABOVE WOOD PLANKS WITH DEFLECTOR LOCATED 1" TO 12" BELOW DECK (TYP).
 - (FP14) PROVIDE NEW QUICK RESPONSE CONCEALED PENDENT SPRINKLER. PROVIDE NEW PIPING AND FITTINGS FOR CONNECTION TO EXISTING MAIN. (REFER TO DETAIL #3FP0.00).
 - (FP15) PROVIDE NEW QUICK RESPONSE UPRIGHT SPRINKLER. SPRINKLER PIPE SHALL BE CENTERED BETWEEN STRUCTURAL STEEL BEAMS. (TYP).
 - (FP16) PROVIDE NEW DRY TYPE SIDEWALL SPRINKLER BELOW EXTERIOR OVERHANG. CONNECT TO EXISTING SPRINKLER PIPING AT INTERIOR.



1 FIRE PROTECTION - SECOND FLOOR
 1/8" = 1'-0"

PLUMBING FIXTURE CONNECTION SCHEDULE					
FIXTURE TYPE	WASTE CONNECTION	VENT CONNECTION	COLD WATER CONNECTION	HOT WATER CONNECTION	TEMPID WATER
ELECTRIC WATER COOLER	1 1/2"	1 1/2"	1/2"	-	-
LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	-
SINK	1 1/2"	1 1/2"	1/2"	1/2"	-
WATER CLOSET (FLUSH VALVE)	4"	2"	1 1/2"	-	-

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR ALL PLUMBING FIXTURE MOUNTING HEIGHTS.
2. ALL PIPE TRAPS AT SINKS AND LAVATORIES SHALL BE CHROME PLATED BRASS.

- PLUMBING GENERAL NOTES**
- THESE GENERAL NOTES ARE APPLICABLE TO ALL PLUMBING DRAWINGS.
 - DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL INTENT OF WORK. SEE DETAILS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - PLUMBING CONTRACTOR MUST REVIEW DRAWINGS OF OTHER TRADES AS PART OF THIS CONTRACT FOR ADDITIONAL WORK REQUIRED AND OR COORDINATION OF FISHER WORK FOR OPERATIONS OR CONNECTIONS TO OTHER SYSTEMS.
 - THE PLUMBING CONTRACTOR SHALL PROVIDE PIPE EXPANSION JOINTS ON PIPING PASSING THROUGH ALL BUILDING EXPANSION JOINT LOCATIONS AS REQUIRED PER BUILDING CODES WHETHER OR NOT SHOWN ON DRAWINGS. REVIEW ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT BUILDING EXPANSION JOINT LOCATIONS AND EXPANSION DIMENSIONS.
 - ALL EQUIPMENT, PIPING, AND INSULATION SHALL BE PLENUM RATED WHERE CEILING ARE NOT CONTINUOUS.
 - THE PLUMBING CONTRACTOR IS RESPONSIBLE TO PROVIDE AND INSTALL ALL PIPING UP TO 10' OUTSIDE OF THE BUILDING.
 - COORDINATE ALL VENT THROUGH ROOF WITH AIR INTAKES. VENTS THROUGH ROOF SHALL BE MINIMUM OF 22' AWAY FROM ANY INTAKES OR OPENINGS.
 - COORDINATE ALL ELECTRICAL REQUIREMENTS WITH DIVISION 26.
 - ALL DOMESTIC HOT & COLD WATER PIPING SHALL BE 1/2" MINIMUM.
 - ALL VENT PIPING SHALL BE 1 1/2" MINIMUM.
 - ALL VENTS THROUGH ROOF SHALL BE 4" MINIMUM.

PLUMBING PIPING LEGEND	
SYMBOL	DESCRIPTION
---	COLD WATER
---	HOT WATER (10°F)
---	HOT WATER RECIRCULATION (110°F)
---SAN---	SANITARY WASTE ABOVE FLOOR
---SAN---	SANITARY WASTE BURIED
---V---	VENT
---CD---	CONDENSATE DRAIN ABOVE FLOOR
---ST---	STORM ABOVE FLOOR (PRIMARY)
---ST---	STORM BURIED (PRIMARY)
---SST---	STORM ABOVE FLOOR (SECONDARY)
---G---	NATURAL GAS ABOVE FLOOR
---G---	NATURAL GAS BURIED
---GV---	GAS VENT
○	90° ELBOW DOWN
○	90° ELBOW UP
○	TEE UP
○	TEE DOWN
○	DROP AND RUN
○	TEE OFF TOP OF PIPE
○	TEE OFF BOTTOM OF PIPE
	UNION
	FLANGE
]	END CAP
---	CLEANOUT
○	FLOOR CLEANOUT
---	HOSE BIB/WALL HYDRANT

PLUMBING SYMBOL LEGEND	
SYMBOL	DESCRIPTION
⊥	GATE VALVE
⊥	CHECK VALVE
⊥	BALL VALVE
⊥	BALANCING VALVE
⊥	GLOBE VALVE
⊥	BUTTERFLY VALVE
⊥	PLUG VALVE
⊥	RELIEF VALVE
⊥	DOUBLE CHECK VALVE ASSEMBLY
⊥	REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY AND DRAIN
⊥	STRAINER
⊥	FLOOR DRAIN/ FLOOR SINK/ AREA DRAIN
⊥	ROOF / OVERFLOW DRAIN
⊥	INLINE PUMP
⊥	PRESSURE REGULATOR
⊥	PIPE TRAP
⊥	WATER METER
⊥	GAS METER
⊥	TRAP PRIMER
⊥	FIXTURE TYPE
⊥	THERMOMETER
⊥	PRESSURE GAUGE
⊥	CONNECT NEW TO EXISTING
⊥	BACKWATER VALVE
⊥	GATE VALVE IN ROAD CURB BOX
⊥	ADA ACCESSIBLE FIXTURE
⊥	FLOOR CLEANOUT
⊥	HOSE BIB

PLUMBING ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
BFP	BACKFLOW PREVENTER
BTU	BRITISH THERMAL UNIT
CFH	CUBIC FEET PER HOUR
CI	CAST IRON
CO	CLEANOUT
CW	COLD WATER
DF	DRINKING FOUNTAIN
DN	DOWN
DSN	DOWN SPOUT NOZZLE
FCO	FLOOR CLEANOUT
FLD	FLOOR DRAIN
FS	FLOOR SINK
FFE	FINISHED FLOOR ELEVATION
FGCO	FINISHED GRADE CLEANOUT
G	GAS
GI	GREASE INTERCEPTOR
GPM	GALLONS PER MINUTE
GSV	GAS SOLENOID VALVE
GW	GREASE WASTE
GV	GAS VENT
HB	HOSE BIBB
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
INT	INTERCEPTOR
INV ELEV	INVERT ELEVATION
IW	INDIRECT WASTE
LAV	LAVATORY
MBH	THOUSAND BTU PER HOUR
NG	NATURAL GAS
OD	OVERFLOW DRAIN
OW	OIL WASTE
PCD	PUMPED CONDENSATE DRAIN
PRV	PRESSURE REDUCING VALVE
RD	ROOF DRAIN
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RTU	ROOF TOP UNIT
SAN	SANITARY
SS	SOIL STACK
ST	STORM
SST	SECONDARY STORM
TD	TRENCH DRAIN
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
TW	TEMPERED WATER
TYP	TYPICAL
URNAL	URNAL
V	VENT
VS	VENT STACK
VTR	VENT THRU ROOF
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WHA	WATER HAMMER ARRESTOR
WHYD	WALL HYDRANT
WBV	WASTE AND VENT

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DRAWING TITLE

PLUMBING ABBREVIATIONS, LEGENDS, SYMBOLS AND NOTES

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	JCC
APPROVED BY	EMG

ISSUE DATES		
NO.	DATE	PURPOSE

P0.00

PLUMBING KEY NOTES	
(P1)	PROVIDE 1/2" CW, 1/2" HW, 1/2" HWR DN IN WALL TO SUPPLY SL1.
(P2)	PROVIDE 1 1/2" SAN DN IN WALL TO BELOW SLAB. PROVIDE 1 1/2" V UP IN WALL.
(P3)	1 1/2" SAN FROM ABOVE
(P4)	4" SAN FROM ABOVE
(P5)	1 1/2" CW, 1/2" HW, 1/2" HWR UP INTO WET WALL ON SECOND FLOOR.
(P6)	PROVIDE 1 1/2" SAN DN IN WET WALL, 1 1/2" V UP A MINIMUM OF 6" ABOVE FLOOD LEVEL OF LL. COMBINE 1 1/2" V TO 2" V FROM W/C-1 IN WET WALL.
(P7)	4" SAN DN
(P8)	4" VENT THROUGH ROOF
(P9)	1 1/2" CW, 1/2" HW, 1/2" HWR FROM BELOW. PROVIDE 1 1/2" CW TO W/C-1. PROVIDE 1/2" CW & 1/2" HW, 1/2" HWR TO LL1. PROVIDE 1/2" CW UP ABOVE CEILING FOR SUPPLY TO EWC-1. REFER TO DETAIL #3/P5.00 FOR PIPING AT LL1.
(P10)	PROVIDE 3/4" CONDENSATE FROM FAN COIL UNIT (REFER TO MECHANICAL FLOOR PLANS FOR EXACT LOCATION OF EQUIPMENT).
(P11)	PROVIDE 3/4" CONDENSATE DOWN IN WALL AND TERMINATE AT EXTERIOR NO LESS THAN 18" ABOVE FINISHED GRADE.
(P12)	PROVIDE SD-1 ATTACHED TO RAIN GUTTER. CONNECT STORM PIPE TO SD-1. PIPE BACK INTO INTERIOR SPACE BEFORE DROPPING TO BELOW SLAB.
(P13)	3" STORM DN.
(P14)	3" STORM FROM ABOVE.
(P15)	REMOVE AND REPLACE EXISTING WATER COOLER. MAINTAIN EXISTING CW, WASTE AND VENT PIPING FOR CONNECTION TO NEW EQUIPMENT.
(P16)	PROVIDE 1/2" CW DN TO EWC-1. PROVIDE 1 1/2" SANITARY DN, 1 1/2" V UP.
(P17)	CONNECT NEW 3/4" HW & 3/4" HWR TO EXISTING 3/4" HW & 3/4" HWR PIPING ABOVE CEILING.
(P18)	PROVIDE 3/4" CW DN TO WHTD-1.

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CONSTRUCTION DOCS

KEY PLAN

WELLES TURNER MEMORIAL LIBRARY

DRAWING TITLE

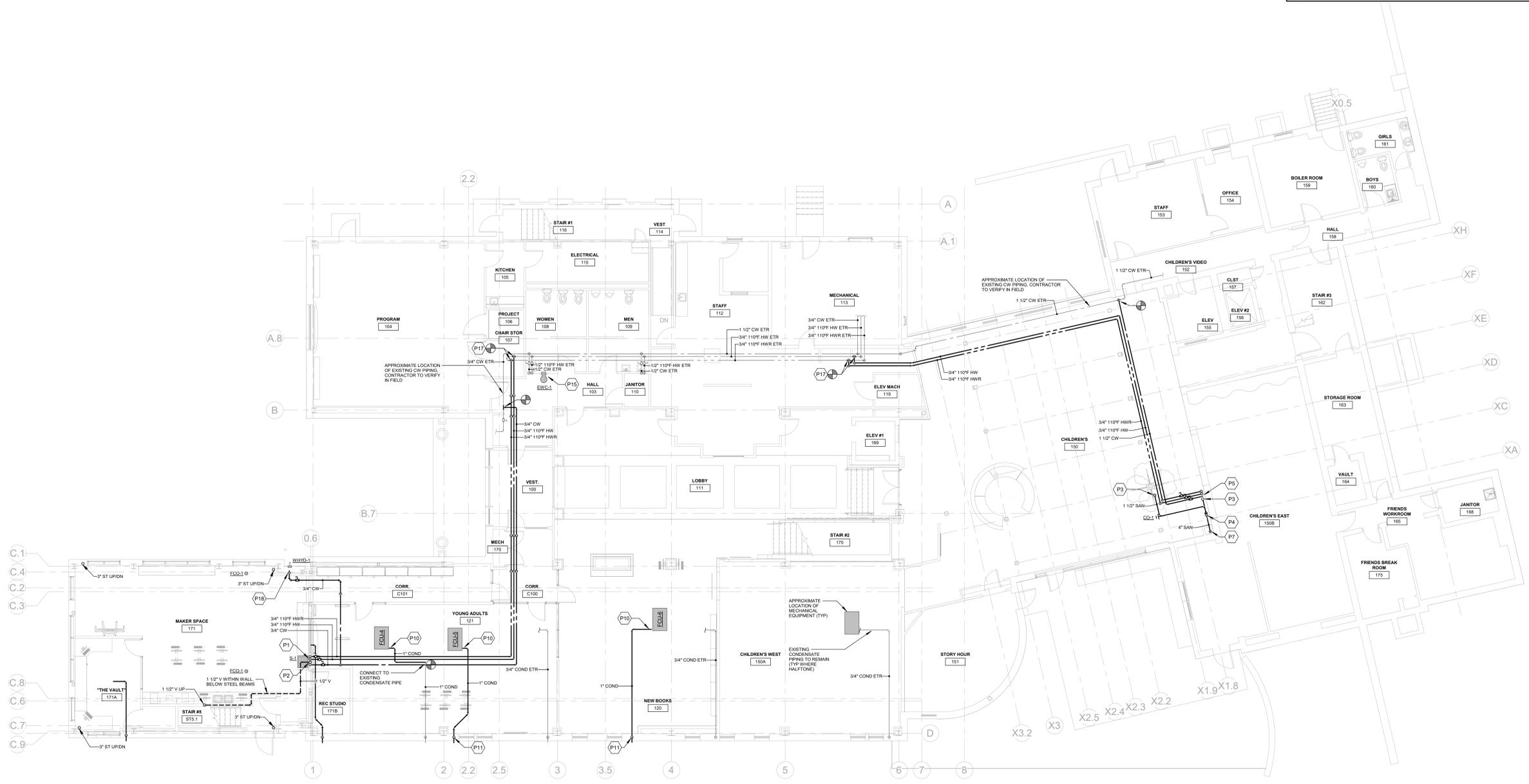
PLUMBING FIRST FLOOR PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	JCC
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ISSUE DATES

NO.	DATE	PURPOSE

P1.01



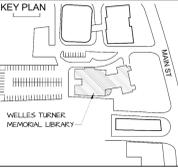
1 PLUMBING - FRIST FLOOR PLAN
 1/8" = 1'-0"

NOTES:
 1. REFER TO DRAWING P0.00 FOR PLUMBING ABBREVIATIONS, LEGENDS, SYMBOLS AND NOTES.
 2. REFER TO DRAWING P5.00 FOR PLUMBING SCHEDULES AND DETAILS.
 3. EXISTING PLUMBING PIPING IS SHOWN AS HALF-TONE.

PLUMBING KEY NOTES	
(P1)	PROVIDE 1/2" CW, 1/2" HW, 1/2" HWR DN IN WALL TO SUPPLY <u>SL</u> .
(P2)	PROVIDE 1 1/2" SAN DN IN WALL TO BELOW SLAB. PROVIDE 1 1/2" V UP IN WALL.
(P3)	1 1/2" SAN FROM ABOVE
(P4)	4" SAN FROM ABOVE
(P5)	1 1/2" CW, 1/2" HW, 1/2" HWR UP INTO WET WALL ON SECOND FLOOR.
(P6)	PROVIDE 1 1/2" SAN DN IN WET WALL. 1 1/2" V UP A MINIMUM OF 6" ABOVE FLOOD LEVEL OF <u>L</u> . COMBINE 1 1/2" V TO 2" V FROM <u>WC</u> IN WET WALL.
(P7)	4" SAN DN
(P8)	4" VENT THROUGH ROOF
(P9)	1 1/2" CW, 1/2" HW, 1/2" HWR FROM BELOW. PROVIDE 1 1/2" CW TO <u>WC</u> . PROVIDE 1/2" CW & 1/2" HW, 1/2" HWR TO <u>L</u> . PROVIDE 1/2" CW UP ABOVE CEILING FOR SUPPLY TO <u>WC</u> . REFER TO DETAIL #3/P5.00 FOR PIPING AT <u>L</u> .
(P10)	PROVIDE 3/4" CONDENSATE FROM FAN COIL UNIT (REFER TO MECHANICAL FLOOR PLANS FOR EXACT LOCATION OF EQUIPMENT).
(P11)	PROVIDE 3/4" CONDENSATE DOWN IN WALL AND TERMINATE AT EXTERIOR NO LESS THAN 18" ABOVE FINISHED GRADE.
(P12)	PROVIDE <u>SD</u> ATTACHED TO RAIN GUTTER. CONNECT STORM PIPE TO <u>SD</u> . PIPE BACK INTO INTERIOR SPACE BEFORE DROPPING TO BELOW SLAB.
(P13)	3" STORM DN
(P14)	3" STORM FROM ABOVE.
(P15)	REMOVE AND REPLACE EXISTING WATER COOLER. MAINTAIN EXISTING CW, WASTE AND VENT PIPING FOR CONNECTION TO NEW EQUIPMENT.
(P16)	PROVIDE 1/2" CW DN TO <u>EW</u> . PROVIDE 1 1/2" SANITARY DN, 1 1/2" V UP.
(P17)	CONNECT NEW 3/4" HW & 3/4" HWR TO EXISTING 3/4" HW & 3/4" HWR PIPING ABOVE CEILING.
(P18)	PROVIDE 3/4" CW DN TO <u>HYD</u> .



CONSTRUCTION DOCS



DRAWING TITLE
PLUMBING UNDERSLAB PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	JCC
APPROVED BY	EMG

ISSUE DATES		
NO.	DATE	PURPOSE

P1.01U



1 PLUMBING - UNDERSLAB PLAN
 1/8" = 1'-0"

NOTES:
 1. REFER TO DRAWING P0.00 FOR PLUMBING ABBREVIATIONS, LEGENDS, SYMBOLS AND NOTES.
 2. REFER TO DRAWING P6.00 FOR PLUMBING SCHEDULES AND DETAILS.
 3. EXISTING PLUMBING PIPING IS SHOWN AS HALF-TONE.

PLUMBING KEY NOTES	
(P1)	PROVIDE 1/2" CW, 1/2" HW, 1/2" HWR DN IN WALL TO SUPPLY S-1.
(P2)	PROVIDE 1 1/2" SAN DN IN WALL TO BELOW SLAB. PROVIDE 1 1/2" V UP IN WALL.
(P3)	1 1/2" SAN FROM ABOVE.
(P4)	4" SAN FROM ABOVE.
(P5)	1 1/2" CW, 1/2" HW, 1/2" HWR UP INTO WET WALL ON SECOND FLOOR.
(P6)	PROVIDE 1 1/2" SAN DN IN WET WALL. 1 1/2" V UP A MINIMUM OF 6" ABOVE FLOOD LEVEL OF L-1. COMBINE 1 1/2" V TO 2" V FROM WC-1 IN WET WALL.
(P7)	4" SAN DN.
(P8)	4" VENT THROUGH ROOF.
(P9)	1 1/2" CW, 1/2" HW, 1/2" HWR FROM BELOW. PROVIDE 1 1/2" CW TO WC-1. PROVIDE 1/2" CW & 1/2" HW, 1/2" HWR TO L-1. PROVIDE 1/2" CW UP ABOVE CEILING FOR SUPPLY TO EWC-1. REFER TO DETAIL #3/P5.00 FOR PIPING AT L-1.
(P10)	PROVIDE 3/4" CONDENSATE FROM FAN COIL UNIT (REFER TO MECHANICAL FLOOR PLANS FOR EXACT LOCATION OF EQUIPMENT).
(P11)	PROVIDE 3/4" CONDENSATE DOWN IN WALL AND TERMINATE AT EXTERIOR NO LESS THAN 18" ABOVE FINISHED GRADE.
(P12)	PROVIDE S-1 ATTACHED TO RAIN GUTTER. CONNECT STORM PIPE TO S-1. PIPE BACK INTO INTERIOR SPACE BEFORE DROPPING TO BELOW SLAB.
(P13)	3" STORM DN.
(P14)	3" STORM FROM ABOVE.
(P15)	REMOVE AND REPLACE EXISTING WATER COOLER. MAINTAIN EXISTING CW, WASTE AND VENT PIPING FOR CONNECTION TO NEW EQUIPMENT.
(P16)	PROVIDE 1/2" CW DN TO EWC-1. PROVIDE 1 1/2" SANITARY DN, 1 1/2" V UP.
(P17)	CONNECT NEW 3/4" HW & 3/4" HWR TO EXISTING 3/4" HW & 3/4" HWR PIPING ABOVE CEILING.
(P18)	PROVIDE 3/4" CW DN TO WHTD-1.

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DRAWING TITLE

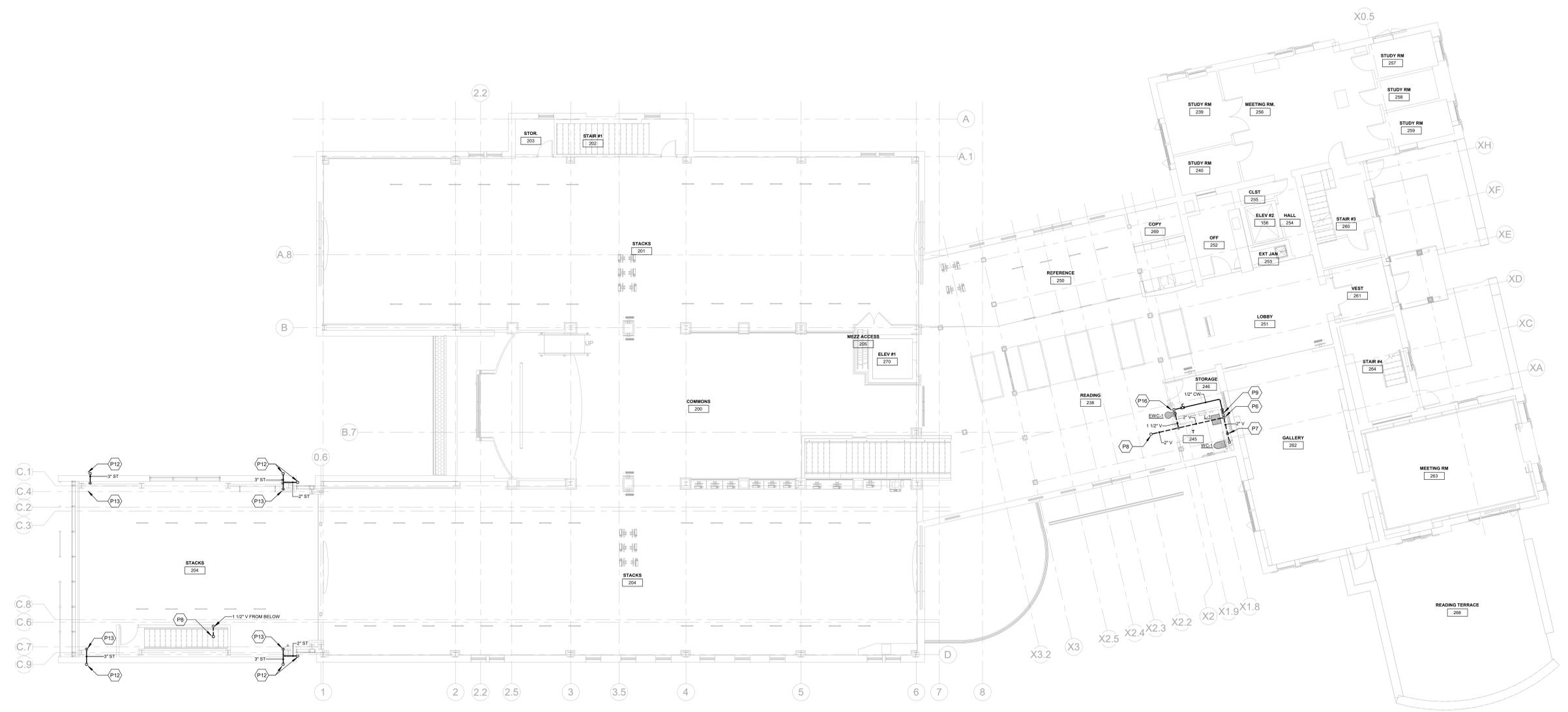
PLUMBING SECOND FLOOR PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	JCC
APPROVED BY	EMG

ISSUE DATES

NO.	DATE	PURPOSE

P1.02



1 PLUMBING - SECOND FLOOR PLAN
 1/8" = 1'-0"

NOTES:
 1. REFER TO DRAWING P0.00 FOR PLUMBING ABBREVIATIONS, LEGENDS, SYMBOLS AND NOTES.
 2. REFER TO DRAWING P5.00 FOR PLUMBING SCHEDULES AND DETAILS.
 3. EXISTING PLUMBING PIPING IS SHOWN AS HALF-TONE.

9/12/2020 5:48:01 PM C:\Users\molaszewski\Documents\19-2019207-00\JCCP-Central-Glastonbury Welles Turner Library_molaszewski\DWG\p1.02.rvt

PLUMBING KEY NOTES	
(P1)	PROVIDE 1/2" CW, 1/2" HW, 1/2" HWR DN IN WALL TO SUPPLY S ₁ .
(P2)	PROVIDE 1 1/2" SAN DN IN WALL TO BELOW SLAB. PROVIDE 1 1/2" V UP IN WALL.
(P3)	1 1/2" SAN FROM ABOVE.
(P4)	4" SAN FROM ABOVE.
(P5)	1 1/2" CW, 1/2" HW, 1/2" HWR UP INTO WET WALL ON SECOND FLOOR.
(P6)	PROVIDE 1 1/2" SAN DN IN WET WALL, 1 1/2" V UP A MINIMUM OF 6" ABOVE FLOOD LEVEL OF L ₁ . COMBINE 1 1/2" V TO 2" V FROM WC ₁ IN WET WALL.
(P7)	4" SAN DN.
(P8)	4" VENT THROUGH ROOF.
(P9)	1 1/2" CW, 1/2" HW, 1/2" HWR FROM BELOW. PROVIDE 1 1/2" CW TO WC ₁ . PROVIDE 1/2" CW & 1/2" HW, 1/2" HWR TO L ₁ . PROVIDE 1/2" CW UP ABOVE CEILING FOR SUPPLY TO EW ₁ . REFER TO DETAIL #3/P5.00 FOR PIPING AT L ₁ .
(P10)	PROVIDE 3/4" CONDENSATE FROM FAN COIL UNIT (REFER TO MECHANICAL FLOOR PLANS FOR EXACT LOCATION OF EQUIPMENT).
(P11)	PROVIDE 3/4" CONDENSATE DOWN IN WALL AND TERMINATE AT EXTERIOR NO LESS THAN 18" ABOVE FINISHED GRADE.
(P12)	PROVIDE SD ₁ ATTACHED TO RAIN GUTTER. CONNECT STORM PIPE TO SD ₁ . PIPE BACK INTO INTERIOR SPACE BEFORE DROPPING TO BELOW SLAB.
(P13)	3" STORM DN.
(P14)	3" STORM FROM ABOVE.
(P15)	REMOVE AND REPLACE EXISTING WATER COOLER. MAINTAIN EXISTING CW, WASTE AND VENT PIPING FOR CONNECTION TO NEW EQUIPMENT.
(P16)	PROVIDE 1/2" CW DN TO EW ₁ . PROVIDE 1 1/2" SANITARY DN, 1 1/2" V UP.
(P17)	CONNECT NEW 3/4" HW & 3/4" HWR TO EXISTING 3/4" HW & 3/4" HWR PIPING ABOVE CEILING.
(P18)	PROVIDE 3/4" CW DN TO WH ₁ -1.

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KEY PLAN

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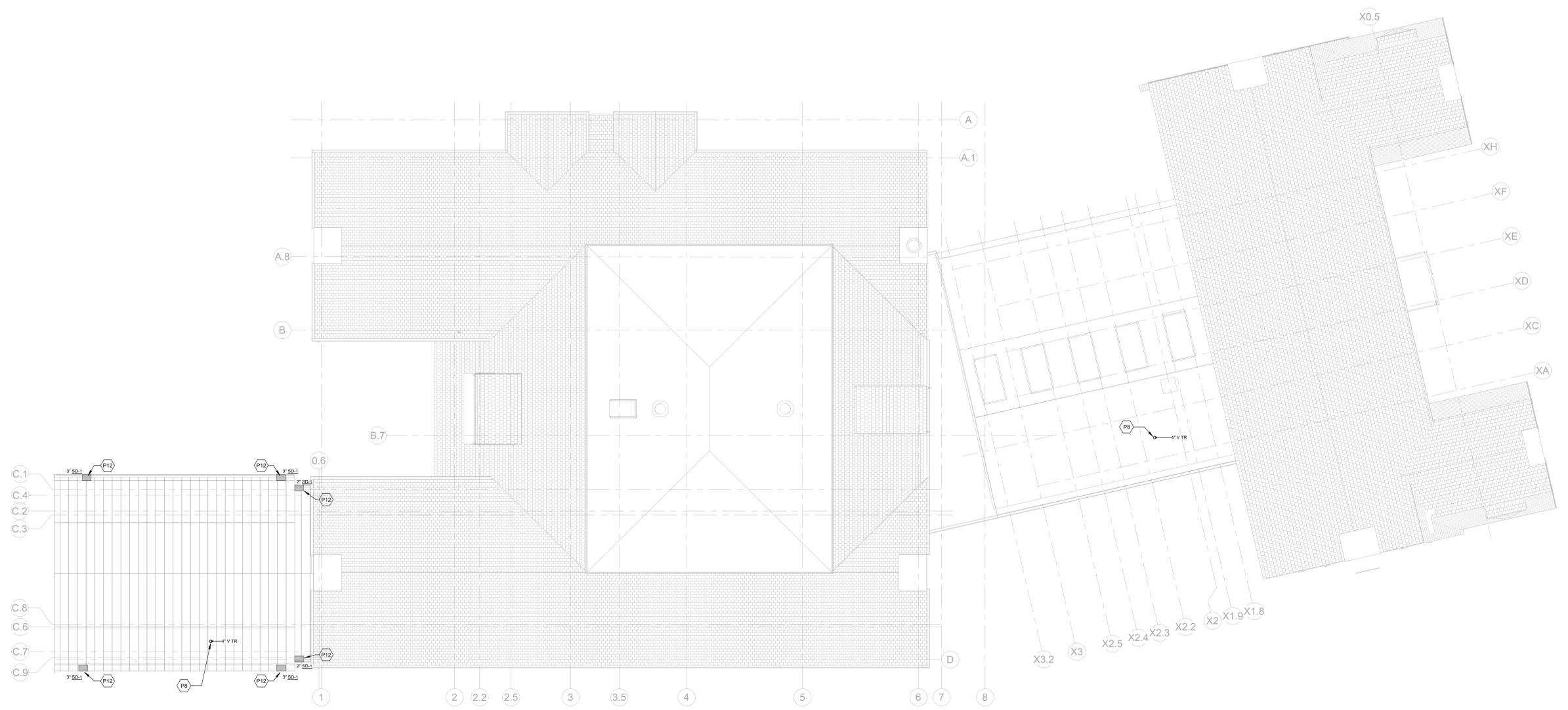
PLUMBING ROOF PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	JCC
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ISSUE DATES

NO.	DATE	PURPOSE

P1.05



1 PLUMBING - ROOF PLAN
 1/8" = 1'-0"

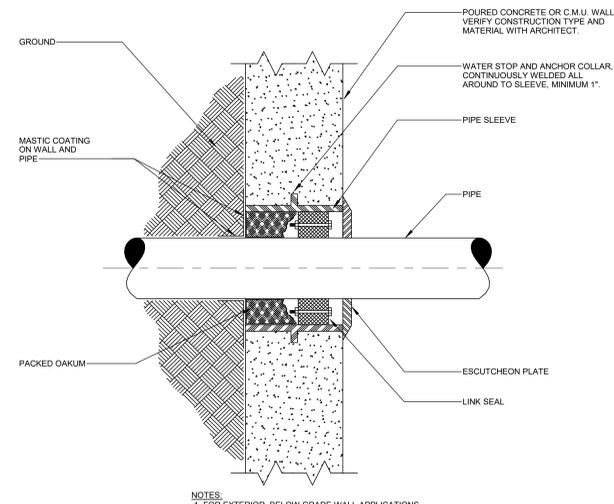
NOTES:
 1. REFER TO DRAWING P0.00 FOR PLUMBING ABBREVIATIONS, LEGENDS, SYMBOLS AND NOTES.
 2. REFER TO DRAWING P5.00 FOR PLUMBING SCHEDULES AND DETAILS.

PLUMBING SPECIALTIES SCHEDULE					
SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION	COMPONENTS AND ACCESSORIES	MOUNTING HEIGHT	REMARKS
CO-1	JR. SMITH MODEL # 4023-U	CLEANOUT, CAST IRON TEE WITH TAPER THREAD-BRONZE PLUG.	VANDAL PROOF SCREWS	24" ABOVE FINISHED FLOOR	#1
EQO-1	JR. SMITH MODEL # 4023S-P-B-U	FLOOR CLEANOUT, CAST IRON BODY, ROUND ADJUSTABLE SCORATED POLISHED BRONZE TOP, FLANGE GASKET INSIDE, OALUK OUTSIDE, VANDAL PROOF & BRONZE PLUG.	FLASHING CLAMP FOR CARPETED FLOORS	-	#1
SD-1	JR. SMITH MODEL # 1560	SCURPER DRAIN, CAST BRONZE BODY WITH COMBINED ROUGH BRONZE BODY, FLASHING CLAMP AND GASKET.	VANDAL PROOF SCREWS	-	#1
WCO-1	JR. SMITH MODEL # 4402C-U	WALL CLEANOUT, DUCO CAST IRON SPIGOT FERRULE CAST BRONZE THREADED PLUG, STAINLESS STEEL ROUND COVER AND SCREW.	VANDAL PROOF SCREWS	-	#1
WHA-1	PRECISION PLUMBING MODEL # SC-2000 THRU # SC-2000	WATER HAMMER ARRESTOR, BARREL FABRICATED OF TYPE "L" HARD DRAWN, COPPER W/ "O" RING, EPDM SEALS.	BRASS PISTON & THREADER ADAPTER	-	#1
WHYD-1	WOODFORD MODEL # 865	WALL HYDRANT, FREEZELESS, ANTI-SIPHON VACUUM BREAKER, BRASS SQUARE BOX WITH KEY, POLISHED BRASS FINISH.	3/4" THREADED HOSE CONNECTION	18" ABOVE FLOOR	#2,3

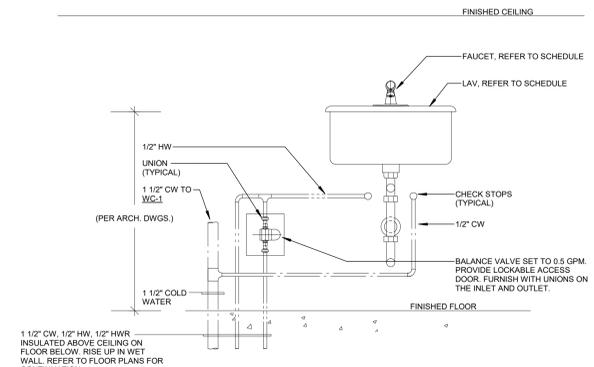
REMARKS:
1. REFER TO FLOOR PLANS FOR SIZES.
2. PROVIDE HYDRANT WITH A LOOSE KEY, CONTRACTOR TO VERIFY WALL THICKNESS.
3. PROVIDE ISOLATION VALVES AT THE SUPPLY PIPE CONNECTIONS.

PLUMBING FIXTURE SCHEDULE									
SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION OF FIXTURE	TRIM AND ACCESSORIES	REMARKS	SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION OF FIXTURE	TRIM AND ACCESSORIES	REMARKS
EWG-1	ELKAY MODEL # EZ39WKL	ELECTRIC WATER COOLER & BOTTLE FILLER, ACCESSIBLE, SINGLE STATION, WALL MOUNTED, BOTTLE FILLER, SET, VANDAL RESISTANT FRONT PUSH BUTTON, SENSOR OPERATED BOTTLE FILLER WITH BUILT IN ELECTRONIC METER.	PROVIDE HANGER BRACKET, P-TRAPS	#3,4,7	S-1	ELKAY "LUSTERTONE" MODEL # GEOR-2521	SINK, ACCESSIBLE, COUNTERTOP (3)-4" SPACED FAUCET HOLES, 18 GAUGE TYPE 304 SST, SELF RIMMING, 5.5" DEEP.	SYMMONS MODEL S-254-LWS-1.5 CHROME PLATED FAUCET, WRIST BLADE LEVERS, 1.5 GPM, CHROME PLATED GRID DRAIN ASSEMBLY # LK-35L.	#2,3,4,6,7,8
L-1	EXISTING LAVATORY TO BE SALVAGED AND INSTALLED IN NEW BATHROOM	LAVATORY, ACCESSIBLE, WALL MOUNTED, SINGLE HOLE FAUCET, 0.5 GPM, CHROME PLATED, GRID DRAIN ASSEMBLY, 4" CENTERS, 4" VANDAL PROOF WRISTBLADE HANDLES.	CHICAGO MODEL # 802-670-317-244B FAUCET, 0.5 GPM, CHROME PLATED, GRID DRAIN ASSEMBLY, 4" CENTERS, 4" VANDAL PROOF WRISTBLADE HANDLES.	#1,2,3,4,7,8	WC-1	EXISTING WATER CLOSET TO BE SALVAGED AND REUSED IN NEW BATHROOM	WATER CLOSET, ACCESSIBLE, WALL HUNG, ELONGATED BOWL, VITREOUS CHINA, 1 1/2" TOP FLUSH, 1.28 MAX GPF.	SLOAN MODEL # SLOAN-111-128 FLUSH VALVE, 1.28 GPF WITH INTEGRAL STOP AND VACUUM BREAKER, CHURCH ROBERT OPEN FRONT WHITE SEAT, WALL SUPPORT, JR SMITH 0200 SERIES	#1,3,4,5,7,9

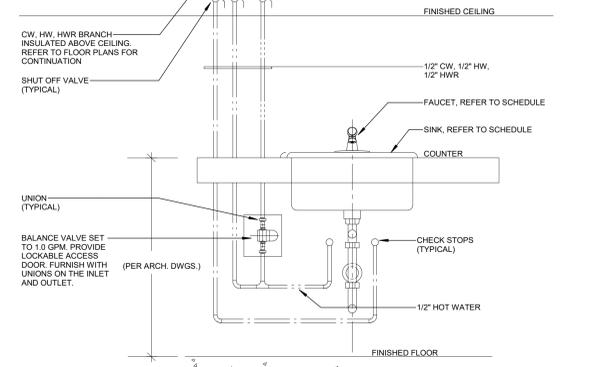
REMARKS:
1. COLOR AS SELECTED BY THE ARCHITECT, PROVIDE SAMPLES.
2. INSTALL TRUEBRO INC. MODEL #102, HANDI LAV-GUARD PROTECTOR ON THE HOT, COLD, AND DRAIN PIPING UNDER FIXTURE.
3. FIXTURES AND TRIM AS NOTED SHALL BE "ACCESSIBLE" AND SHALL BE INSTALLED TO ADA, ANSI A117 AND FEDERAL 504 REQUIREMENTS.
4. PROVIDE ISOLATION VALVES AT THE PIPE CONNECTIONS.
5. PROVIDE WATER HAMMER ARRESTORS AT THE PIPE CONNECTIONS, LOCATE ABOVE AN ACCESSIBLE CEILING.
6. PROVIDE SINK WITH OFFSET DRAIN TO LEFT OR RIGHT AND BACK OF BOWL FOR ADA COMPLIANCY, ANSI A117 AND FEDERAL 504 REQUIREMENTS SEE ARCHITECTURAL DRAWINGS FOR DRAIN LOCATIONS.
7. REFER TO ARCHITECTURAL DRAWING FOR FIXTURE MOUNTING HEIGHTS.
8. FAUCET SHALL BE LOCATED WITHIN 12" OF EDGE, COORDINATE WITH ARCHITECTURAL DRAWINGS.
9. COORDINATE WITH ARCHITECT FLUSH VALVE INSTALLATION AND WITH GRAB BARS AND TOILET ACCESSORIES.



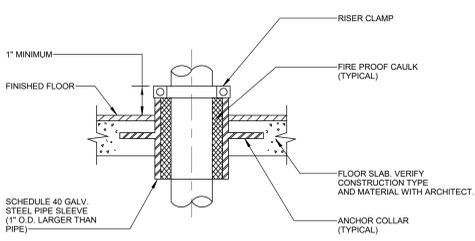
4 TYPICAL EXTREIOR BELOW GRADE PIPE SLEEVE INSTALLATION DETAIL NTS



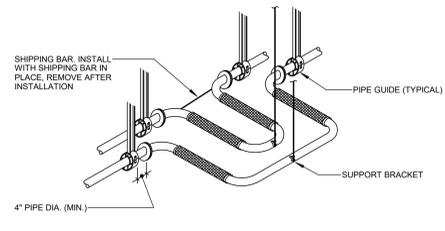
3 PLUMBING DOMESTIC WATER PIPING AT L-1 NTS



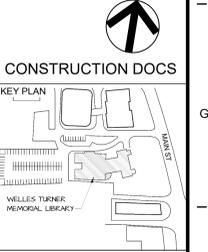
1 PLUMBING DOMESTIC WATER PIPING AT S-1 NTS



5 TYPICAL PIPE SLEEVE PENETRATION OF FLOOR INSTALLATION DETAIL NTS



2 TYPICAL SEISMIC SEPARATION JOINT PIPING DETAIL (COPPER PIPING) NTS



DRAWING TITLE

PLUMBING SCHEDULES, DIAGRAMS AND DETAILS

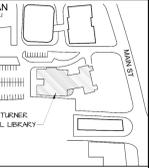
GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As Indicated
DATE	6.1.2020
DRAWN BY	JCC
APPROVED BY	EMG

ISSUE DATES		
NO.	DATE	PURPOSE

P5.00



CONSTRUCTION DOCS



DRAWING TITLE

MECHANICAL FIRST FLOOR DEMO PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	TDA
APPROVED BY	EMG

ISSUE DATES

NO.	DATE	PURPOSE

MD1.01

MECHANICAL DEMOLITION KEY NOTES

(MD1)	EXISTING FAN COIL UNIT AND ASSOCIATED DUCTWORK IS EXISTING TO REMAIN.
(MD2)	EXISTING FAN COIL UNIT TO BE RELOCATED.
(MD3)	ALL MECHANICAL PIPE SHOWN EXISTING TO REMAIN.
(MD4)	REMOVE DUCTWORK, DIFFUSERS, DAMPERS, ETC. ASSOCIATED WITH FAN COIL UNITS.
(MD5)	OUTDOOR AIR DUCT WITHIN EXISTING COLUMNS IS EXISTING TO REMAIN
(MD6)	REMOVE EXISTING DIFFUSER AND 5'-0" OF EXISTING BRANCH DUCTWORK. DIFFUSER TO BE RELOCATED.
(MD7)	EXISTING FLOOR MOUNTED FAN COIL UNIT TO BE RELOCATED. REMOVE PORTION OF EXISTING 1" DUAL TEMP SUPPLY AND RETURN WATER DROP TO FAN COIL UNIT.
(MD8)	REMOVE EXISTING 1" DUAL TEMP SUPPLY AND RETURN WATER UP TO FAN COIL UNIT ON FLOOR ABOVE.

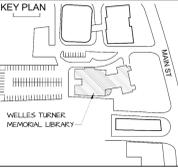


1 MECHANICAL - FIRST FLOOR DEMO PLAN
 1/8" = 1'-0"

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CONSTRUCTION DOCS



DRAWING TITLE
 MECHANICAL SECOND FLOOR DEMO PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	TDA
APPROVED BY	EMG

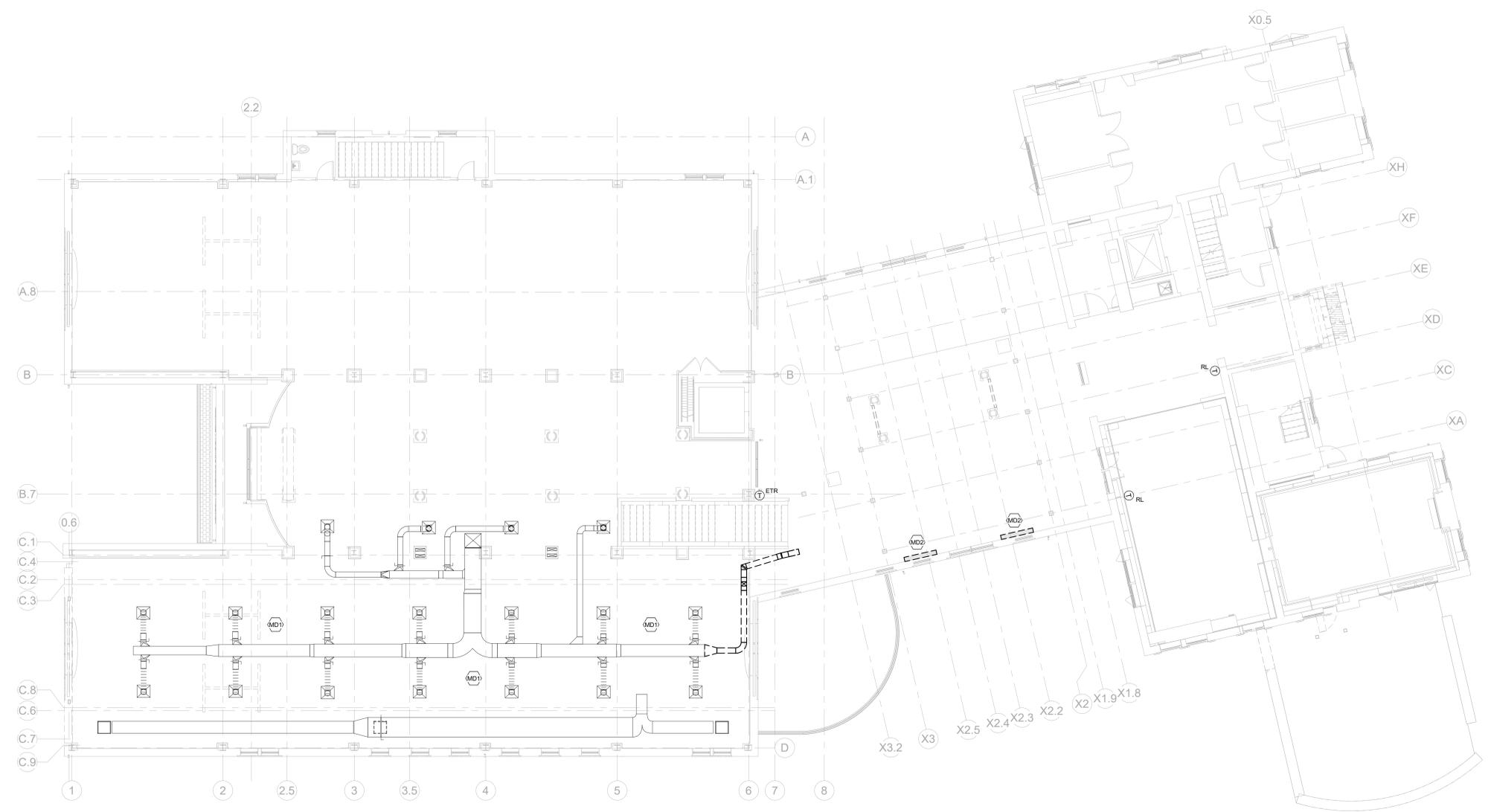
ISSUE DATES		
NO.	DATE	PURPOSE

MD1.02

MECHANICAL DEMOLITION KEY NOTES

MD1 ALL DUCTWORK AND DIFFUSERS SHOWN EXISTING TO REMAIN.

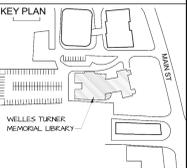
MD2 REMOVE EXISTING FLOOR MOUNTED FAN COIL UNIT AND DUAL TEMPERATURE SUPPLY AND RETURN BRANCH PIPING DOWN TO FLOOR BELOW.



1 MECHANICAL - SECOND FLOOR DEMO PLAN
 1/8" = 1'-0"



CONSTRUCTION DOCS



DRAWING TITLE

MECHANICAL MEZZANINE DEMO PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	TDA
APPROVED BY	EMG

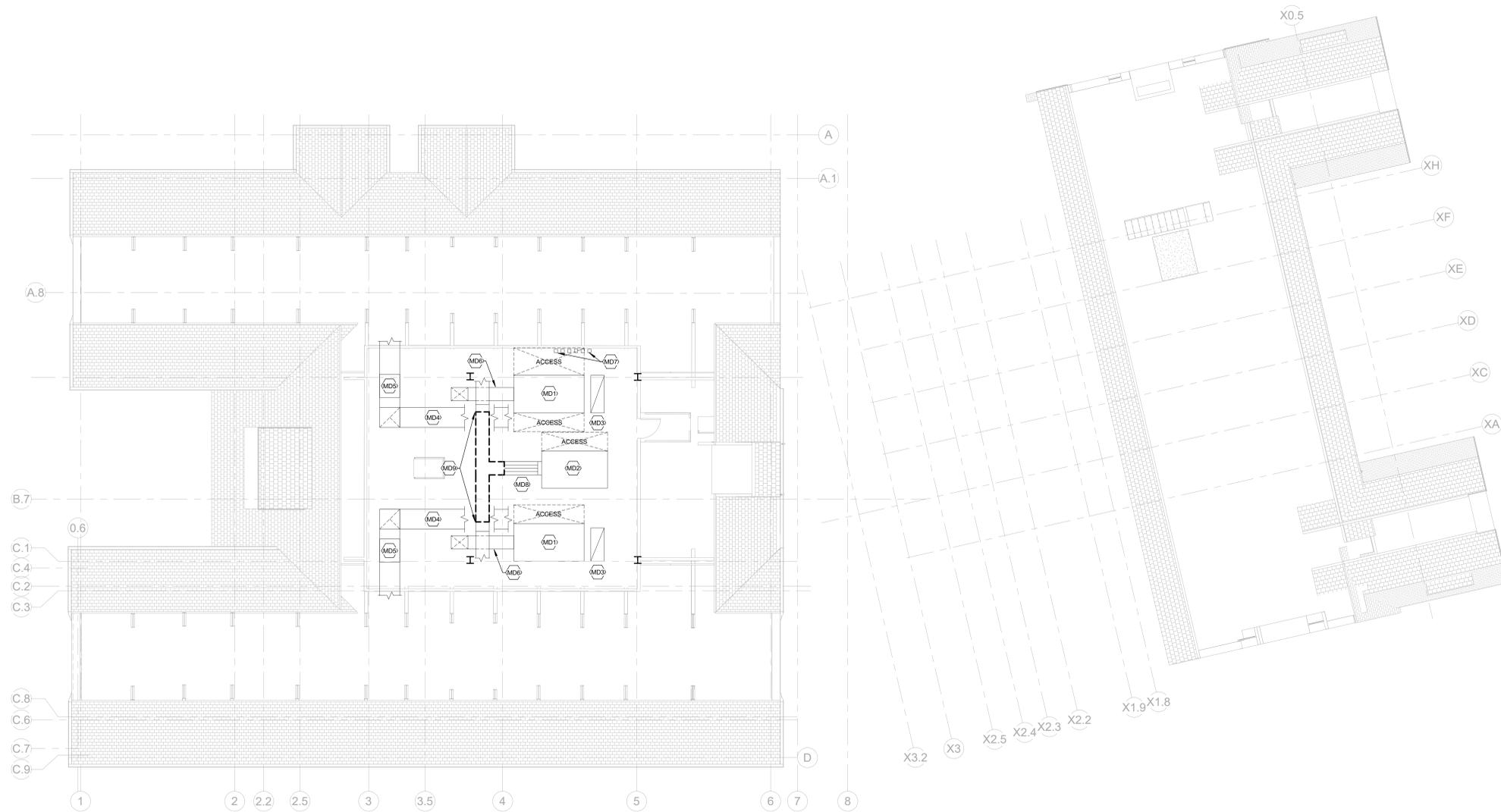
ISSUE DATES

NO.	DATE	PURPOSE

MD1.04

MECHANICAL DEMOLITION KEY NOTES

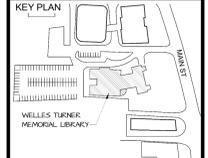
(MD1)	EXISTING AIR HANDLING UNIT TO REMAIN.
(MD2)	EXISTING MAKE-UP AIR HANDLING UNIT TO REMAIN.
(MD3)	EXISTING LOW RETURN AIR DUCT TO REMAIN.
(MD4)	EXISTING EXHAUST AIR DUCT TO REMAIN.
(MD5)	EXISTING RETURN/EXHAUST FAN TO REMAIN.
(MD6)	EXISTING SUPPLY AIR DUCT TO REMAIN.
(MD7)	EXISTING VFD'S TO REMAIN.
(MD8)	EXISTING SOUND ATTENUATOR TO REMAIN.
(MD9)	REMOVE EXISTING 24x24 AND 18x14 SUPPLY AIR DUCTS AS SHOWN.



1 MECHANICAL - MECHANICAL MEZZANINE DEMO PLAN
 1/8" = 1'-0"



CONSTRUCTION DOCS



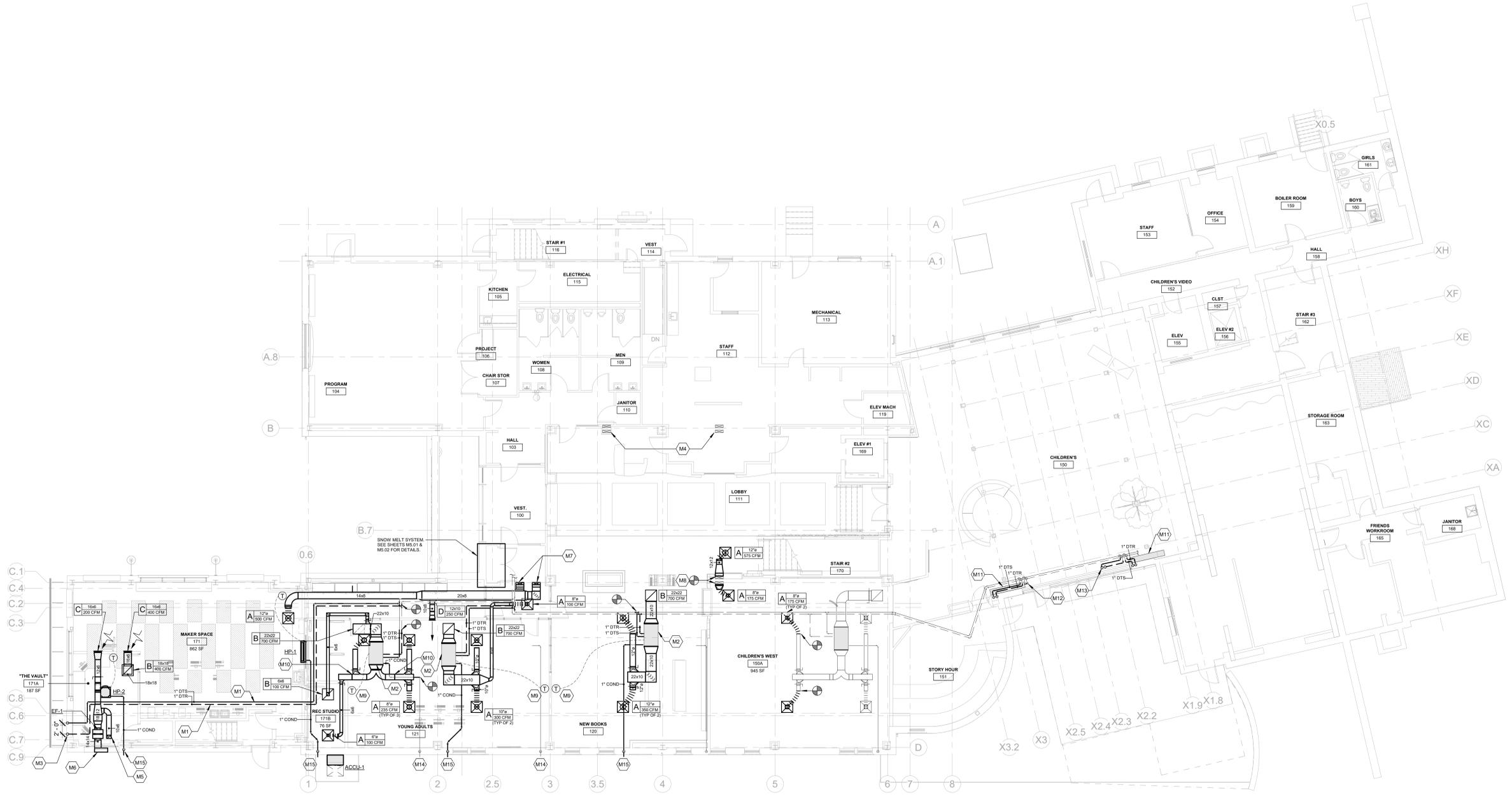
DRAWING TITLE
MECHANICAL FIRST FLOOR PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	TDA
APPROVED BY	EMG

ISSUE DATES		
NO.	DATE	PURPOSE

M1.01

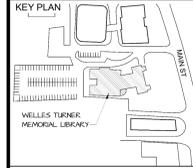
- MECHANICAL KEY NOTES**
- (M1) MOUNT HWS&R PIPING TIGHT TO UNDERSIDE OF STRUCTURAL STEEL.
 - (M2) EXISTING FAN COIL UNIT TO BE RELOCATED.
 - (M3) 17HWS&R UP TO FIN-TUBE RADIATION ABOVE.
 - (M4) DUCTWORK IN COLUMNS EXISTING TO REMAIN (TYP 2).
 - (M5) 10M6 LASER CUTTER EXHAUST DROP; TRANSITION TO 4"DA CONNECTION ON EQUIPMENT. COORDINATE EXACT LOCATION OF EXHAUST DROP WITH FINAL LOCATION OF EQUIPMENT.
 - (M6) 28x10 SHEETMETAL PLENUM, 12" DEEP, BEHIND EXHAUST LOUVER. LOUVER BY ARCHITECT.
 - (M7) 17x5 SUPPLY AIR DUCT UP (TYP. 2).
 - (M8) NEW 17x5 SUPPLY AIR DUCT CONNECT TO EXISTING 17x5 SUPPLY AIR DUCT (TYP 2).
 - (M9) EXISTING TEMPERATURE SENSOR RELOCATED AND RE-WIRED TO FCU.
 - (M10) 12x10 DUCTWORK TO PENETRATE THROUGH EXISTING OPENINGS IN STEEL.
 - (M11) NEW LOCATION OF EXISTING FLOOR MOUNTED FAN COIL UNIT. RECONNECT TO EXISTING 1" DUAL TEMP WATER SUPPLY AND RETURN.
 - (M12) CAP EXISTING 1" DUAL TEMP SUPPLY AND RETURN WATER PIPING.
 - (M13) PROVIDE 1" DUAL TEMP SUPPLY AND RETURN WATER PIPING UP TO W-1 ON FLOOR ABOVE.
 - (M14) EXISTING 1" COND DROP IN EXTERIOR WALL AND DISCHARGE TO GRADE TO REMAIN.
 - (M15) PROVIDE NEW 1" COND DROP IN EXTERIOR WALL AND DISCHARGE TO GRADE. TERMINATE IN 45-DEGREE ELBOW. COORDINATE EXACT LOCATION OF WALL PENETRATION WITH ARCHITECT.



1 MECHANICAL - FIRST FLOOR
 1/8" = 1'-0"



CONSTRUCTION DOCS



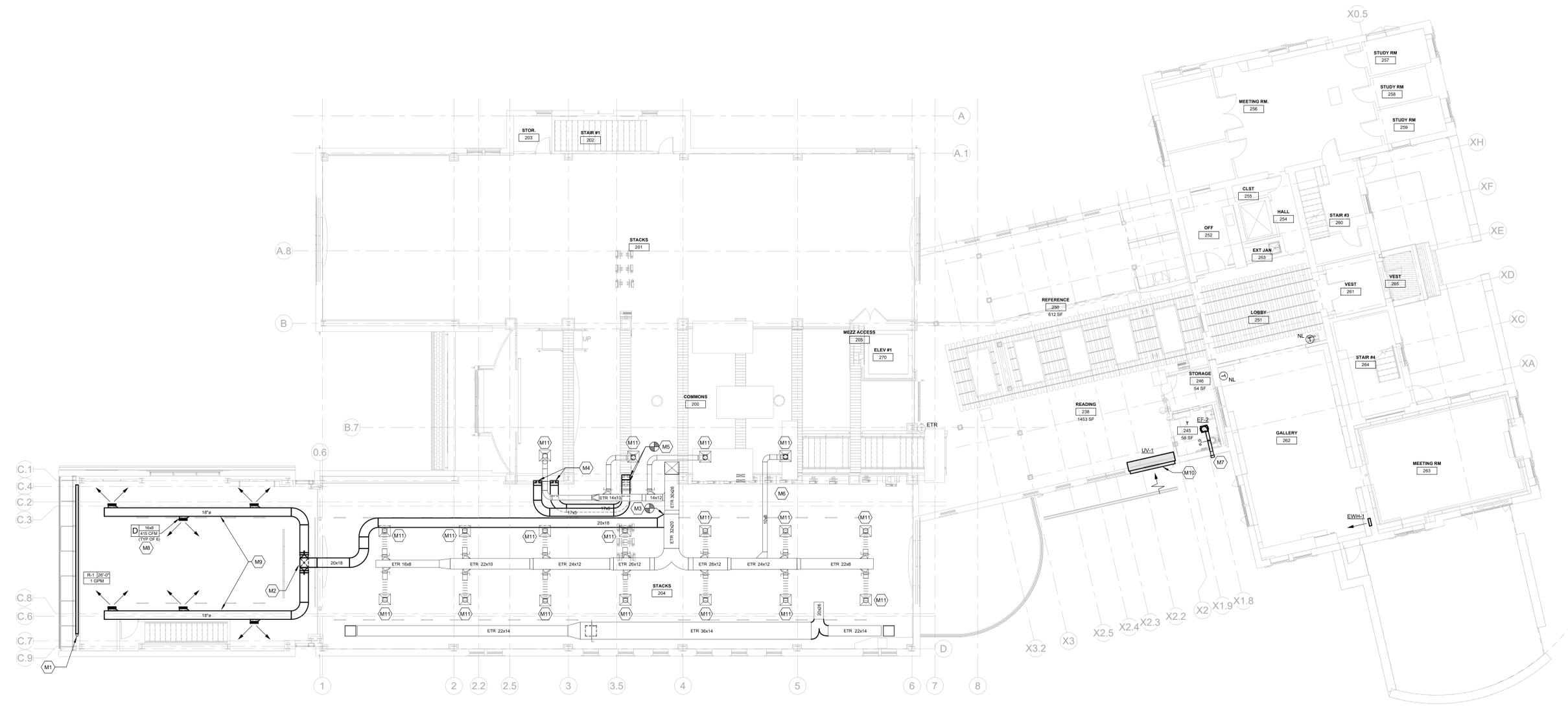
DRAWING TITLE
MECHANICAL SECOND FLOOR PLAN

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	TDA
APPROVED BY	EMG

ISSUE DATES		
NO.	DATE	PURPOSE

M1.02

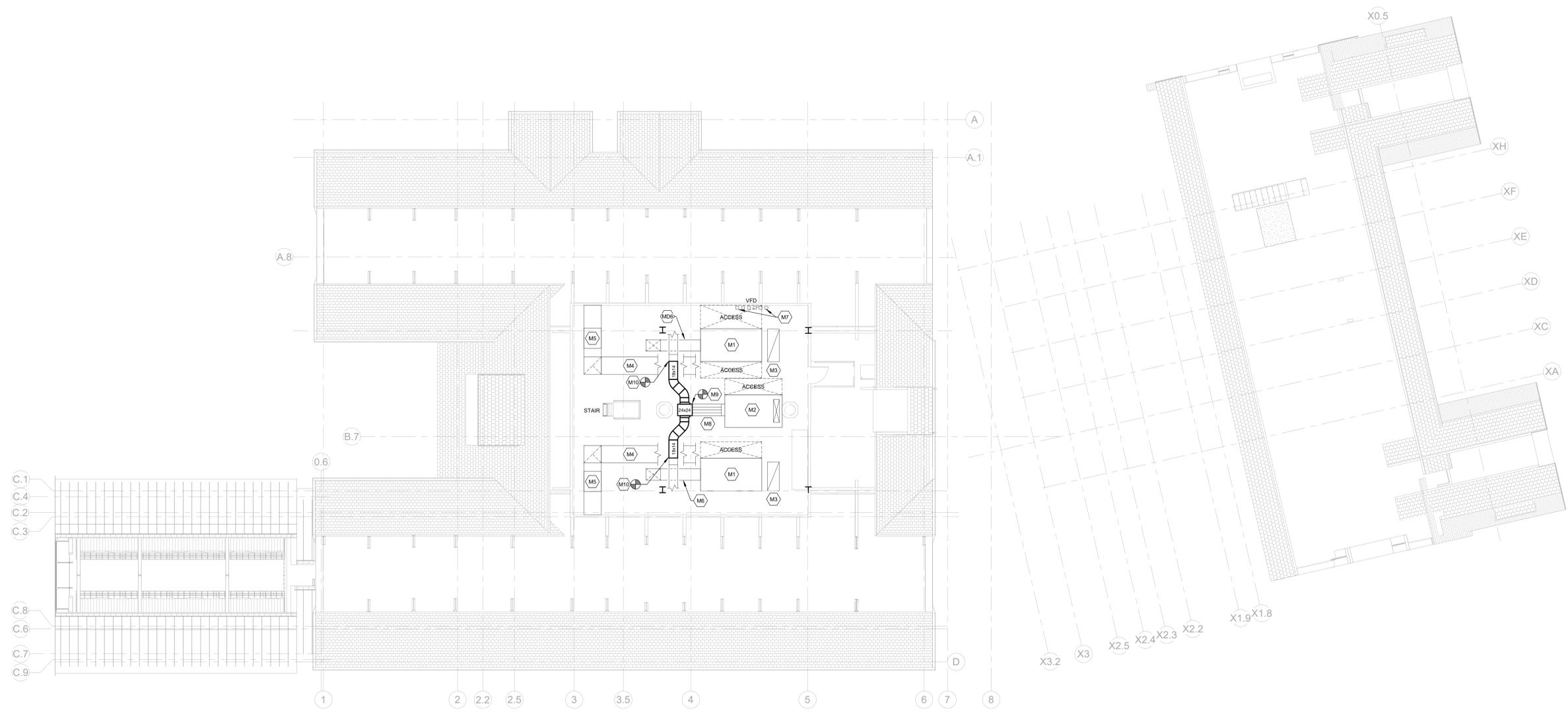
- MECHANICAL KEY NOTES**
- (M1) 1" HWSR DN TO FLOOR BELOW.
 - (M2) 20x18 SUPPLY AIR DUCT DROP.
 - (M3) NEW 20x18 SUPPLY AIR DUCT CONNECT TO EXISTING 32x20 SUPPLY AIR DUCT.
 - (M4) 17x5 SUPPLY AIR DUCT DROP TO FIRST FLOOR (TYP. 2).
 - (M5) NEW 17x5 SUPPLY AIR DUCT CONNECT TO EXISTING 17x5 SUPPLY AIR DUCT ABOVE SECOND FLOOR CEILING (TYP. 2).
 - (M6) 14x8 SUPPLY AND RETURN DUCTS UP INTO MECHANICAL MEZZANINE. SEE M1.04 FOR CONTINUATION.
 - (M7) PROVIDE HOODED WALL CAP WITH PAINTABLE FINISH.
 - (M8) SUPPLY DIFFUSER ROTATED DOWN 30 DEGREES FROM HORIZONTAL.
 - (M9) EXPOSED SPIRAL DUCTWORK SHALL BE DE-GREASED, SUITABLE FOR FIELD PAINTING. CENTERLINE OF SUPPLY DUCT AT 10'-0" AFF.
 - (M10) 72"x10-3/8" UNIT VENTILATOR LOUVER BY ARCHITECT. COORDINATE EXACT LOCATION IN FIELD.
 - (M11) RE-BALANCE EXISTING DIFFUSER TO 200 CFM.



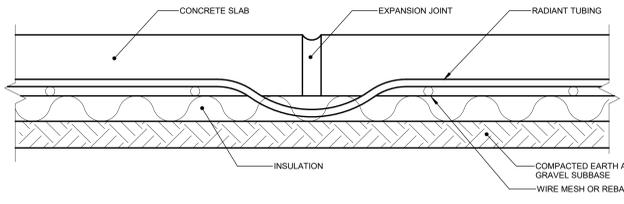
1 MECHANICAL - SECOND FLOOR
 1/8" = 1'-0"

MECHANICAL KEY NOTES

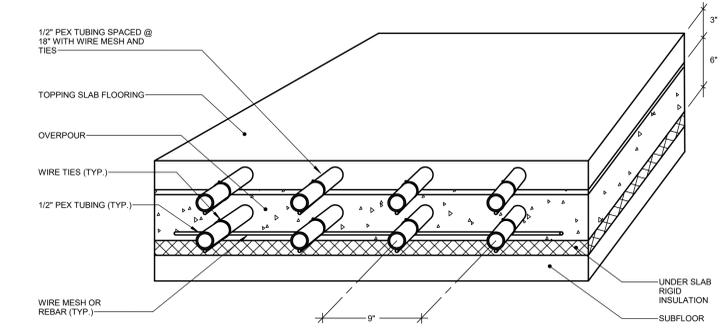
(M1)	EXISTING AIR HANDLING UNIT TO REMAIN.
(M2)	EXISTING MAKE-UP AIR HANDLING UNIT TO REMAIN.
(M3)	EXISTING LOW RETURN AIR DUCT TO REMAIN.
(M4)	EXISTING EXHAUST AIR DUCT TO REMAIN.
(M5)	EXISTING RETURN/EXHAUST FAN TO REMAIN.
(M6)	EXISTING SUPPLY AIR DUCT TO REMAIN.
(M7)	EXISTING VFD'S TO REMAIN.
(M8)	EXISTING SOUND ATTENUATOR TO REMAIN.
(M9)	PROVIDE 24x24 SUPPLY DUCT CONNECTED TO EXISTING 24x24 SUPPLY DUCT.
(M10)	PROVIDE 18x14 SUPPLY DUCT CONNECTED TO EXISTING 18x14 SUPPLY DUCT.



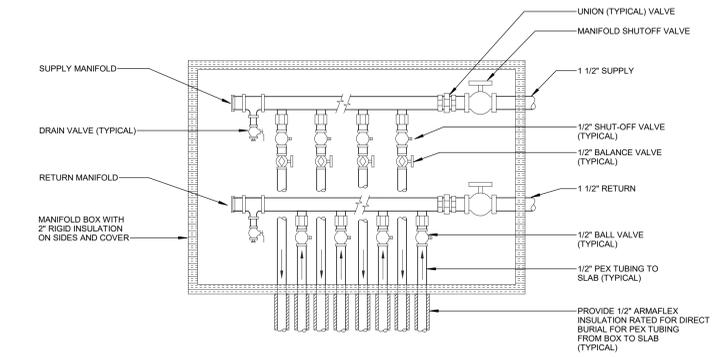
1 MECHANICAL - MECHANICAL MEZZANINE
 1/8" = 1'-0"



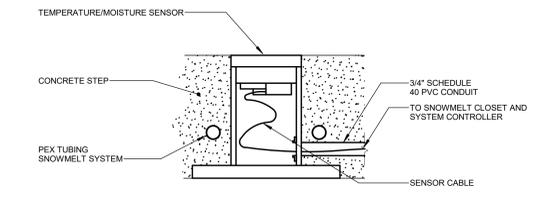
7 SNOW MELT EXPANSION JOINT DETAIL
NTS



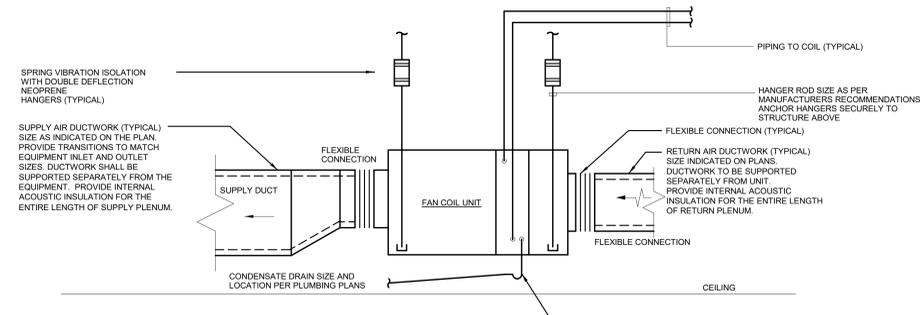
8 SNOW MELT INSTALLATION DETAIL
NTS



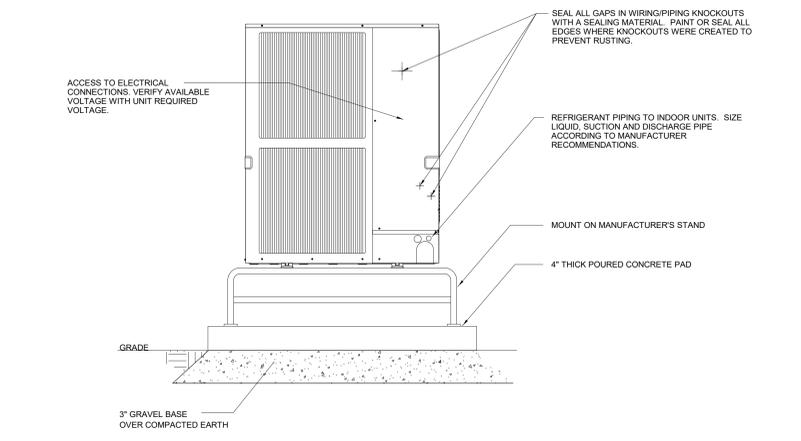
9 SNOW MELT SUPPLY AND RETURN HEADER ASSEMBLY
NTS



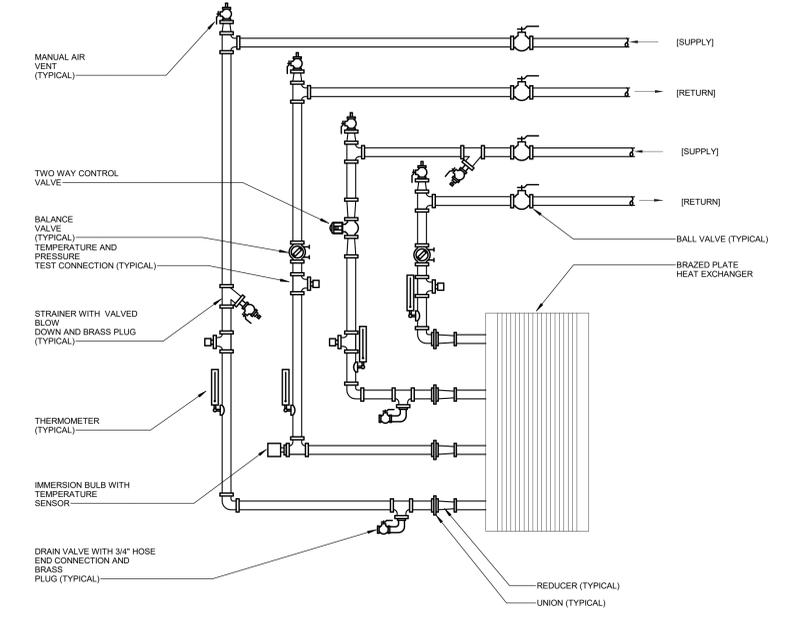
10 SNOW MELT TEMPERATURE SENSOR INSTALLATION
NTS



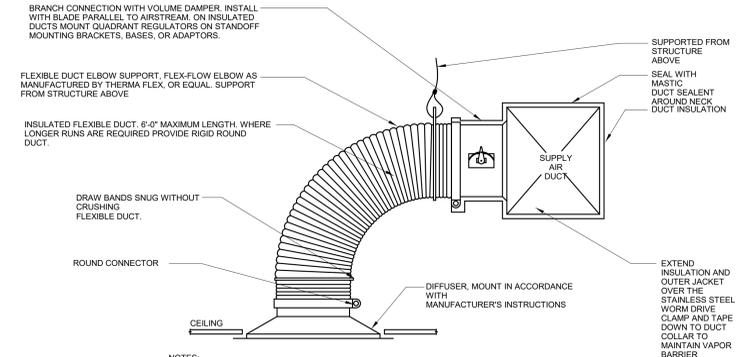
4 HORIZONTAL/SUSPENDED FAN COIL UNIT
SCALE: NONE



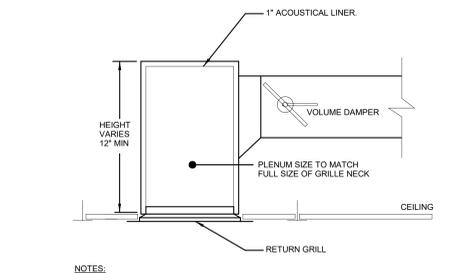
5 GRADE MOUNTED CONDENSING UNIT DETAIL
SCALE: NONE



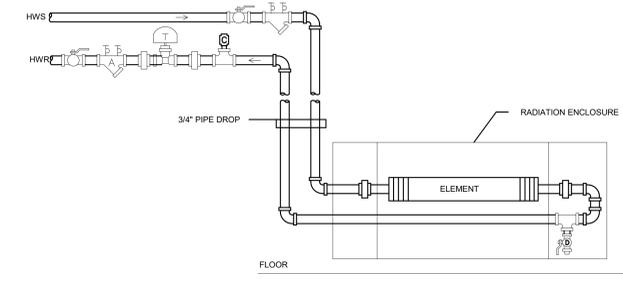
6 HEAT EXCHANGER DETAIL - BRAZED PLATE
NTS



1 CEILING DIFFUSER WITH FLEXIBLE DUCT DETAIL
SCALE: NONE



2 TYPICAL RETURN AIR/EXHAUST AIR GRILLE PLENUM DETAIL
SCALE: NONE



3 HORIZONTAL/SUSPENDED FAN COIL UNIT
SCALE: NONE

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APPROVED BY	EMG	
ISSUE DATES		
NO.	DATE	PURPOSE

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EXHAUST FAN SCHEDULE																	
GENERAL					PHYS.		PERFORMANCE					ELECTRICAL			REMARKS		
SYMBOL	MANUFACTURER	MODEL	LOCATION	SERVICE	WEIGHT (LBS)	CFM	SP (IN WG)	BHP	SONES	MOTOR RPM	HP	VOLTS	PHASE	TYPE	RATINGS	FEATURES	INSTALL
EF-1	LOREN COOK	1050N28D (VF)	THE VAULT	THE VAULT	69	800	0.750	0.187	10.7	2800	1/3	208	1	ALL	ALL	ALL	ALL
REMARKS - TYPE:				REMARKS - RATINGS:				REMARKS - FEATURES:				REMARKS - INSTALL:					
1. INLINE CENTRIFUGAL DIRECT DRIVE				1. AMCA AIR & SOUND CERTIFIED 2. UL LISTED				1. PREPROGRAMMED EC ELECTRONICALLY COMMUTATED MOTOR/DRIVE PACKAGE 2. BEARINGS WITH GREASE FITTINGS, L10 LIFE OF 100,000 HOURS 3. PROVIDE DIRECT DRIVE EC MOTOR FIVE YEAR WARRANTY				1. PROVIDE NEMA-3R TOGGLE SWITCH JUNCTION BOX MOUNTED AND WIRED.					

UNIT VENTILATOR SCHEDULE																															
GENERAL						FAN				COOLING DATA							HEATING DATA							ELECTRICAL			REMARKS				
SYMBOL	MANUFACTURER	MODEL	COOLING COIL TYPE	HEATING COIL TYPE	LOCATION	AIRFLOW (CFM)	ESP (IN WC)	FAN SPEED	MOTOR POWER (HP)	NET TOTAL COOLING MBH	NET SENSIBLE COOLING MBH	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	EWT (°F)	LWT (°F)	GPM	COIL ROWS	EAT (°F)	LAT (°F)	FLUID TYPE	EWT (°F)	LWT (°F)	GPM	WPD (FT H2O)	NET OUTPUT (MBH)	VOLTS	PHASE	MCA	REMARKS
UV-1	DAIKIN	UAVS9V15	CHILLED WATER	HOT WATER	READING 238	1,106	0.00	HIGH	0.25	53.7	40.3	80.0	67.0	55.0	54.5	44.0	54.0	10.0	1	70.0	102.7	WATER	180.0	140.8	2.00	0.78	39.2	208	1	3.80	ALL
REMARKS:																															
1. AIR HANDLING PERFORMANCE DATA IN ACCORDANCE WITH ARI 430.																															
2. PREMIUM EFFICIENCY FAN MOTORS.																															
3. COOLING COIL SHALL BE PROVIDED WITH STAINLESS STEEL DRAIN PANS.																															
4. UNIT SHALL BE PROVIDED WITH BACNET CARD FOR FULL INTERFACE AND CONTROL BY EXISTING BMS SYSTEM.																															
5. PROVIDE WITH NON-FUSED DISCONNECT SWITCH.																															
6. COLOR SHALL BE SELECTED BY ARCHITECT.																															

HEAT EXCHANGER SCHEDULE											
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	LOCATION	COLD SIDE FLOW (GPM)	COLD SIDE TEMP IN/OUT DEG F	WATER PD PSI	HOT SIDE FLOW (GPM)	HOT SIDE TEMP IN/OUT DEG F	WATER PD PSI	CAPACITY (MBH)	REMARKS
HX-1	TACO TBSTX34	BP	SNOW MELT CLOSET	12	110/130	1.75	6	180/140	4.73	112	1
BP=BRAZED PLATE											
REMARKS: 1) CAPACITY BASED ON 30% PROPYLENE GLYCOL SOLUTION											

PUMP SCHEDULE													
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	LOCATION	SYSTEM SERVING	MEDIA	FLOW RATE (GPM)	TDH (FT)	FLUID TEMP (°F)	MOTOR DATA				REMARKS
									HP (WATTS)	RPM	VOLTS	PHASE	
P-1	TACO VR1816	IL	SNOWMELT CLOSET	HEAT EXCHANGER	W	6	18	180	(44)	4830	120	1	1.2
P-2	TACO VR3482	IL	SNOWMELT CLOSET	SNOW MELT	PPG	12	30	130	1/4	4400	120	1	1.2
TYPE:				MEDIA:									
ES = END SUCTION				W = WATER									
IL = VERTICAL IN-LINE, SPLIT COUPLED				PPG = 30% PROPYLENE GLYCOL WATER SOLUTION									
REMARKS:													
1. PUMP SHALL BE OPERATED FROM ELECTRICALLY COMMUTATED MOTOR PROVIDED BY PUMP MANUFACTURER.													
2. PUMP SHALL BE PROVIDED WITH HIGH EFFICIENCY MOTOR.													

EXPANSION TANK SCHEDULE								
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	LOCATION	CONFIGURATION	TANK VOLUME (GAL)	MIN. ACCEPTANCE VOLUME (GAL)	SIZE (DIA X H)	REMARKS
ET-1	TACO CBX42	BV	MECH ROOM	VERTICAL	11	5	12"x27"	1-3
TYPES:				CONFIGURATION:				
B = BLADDER EXPANSION TANK				H = HORIZONTAL				
D = DIAPHRAGM EXPANSION TANK				V = VERTICAL				
BT = BUFFER TANK								
REMARKS:								
1. PROVIDE ALL REQUIRED TANK FITTINGS AND VALVES.								
2. MINIMUM TANK PRESSURE: 125 PSI								
3. MINIMUM TANK PRESSURE: 15 PSI								

GLYCOL MAKE-UP UNIT SCHEDULE								
SYMBOL	MANUFACTURER/ MODEL NUMBER	TANK VOLUME (GAL)	PUMP CAPACITY		MOTOR DATA			REMARKS
			FLOW (GPM)	PRESSURE (PSIG)	HP	VOLTS	PHASE	
GFS-1	SKIDMORE SNS5F6-2	6	1.8	50	1/3	120	1	1
REMARKS:								
1. PROVIDE WITH MOTOR STARTER, DISCONNECT SWITCH, REMOTE PRESSURE SENSOR AND CONTROLS.								
2. BMS TO ANNUNCIATE ALARM WHEN GLYCOL MAKE UP PUMP RESERVOIR IS LOWER THAN 1/2 TOTAL TANK VOLUME.								

SNOW MELT SYSTEM EQUIPMENT AND ACCESSORIES				
GENERAL			DESCRIPTION	REMARKS
MODEL	MANUFACTURER	MODEL		
AS-1	TACO	48-125C	AIR SEPARATOR, INTEGRAL AIR VENT, 1 1/4", 125 PSIG ASME, 270°F.	1
REMARKS-RATINGS				
1. NONE				

VRF SYSTEM - INDOOR AIR HANDLER SCHEDULE															
SYMBOL	MANUFACTURER	MODEL	TYPE	LOCATION	NOM. TONS	FAN CAPACITIES			REFRIGERANT PIPING FROM CONTROLLER TO AIR HANDLER		ELECTRICAL			REMARKS	
						CFM (HIGH-MED-LOW)	COOLING (BTUH)	HEATING (BTUH)	LIQUID	GAS	MCA	VOLTS	PHASE		
															SOUND PRESSURE (H-M-L) (dBA)
HP-1	DAIKIN	FXA24PVJU	A	171 - MAKER SPACE	2.0	635-470	24,000	27,000	3/8"	5/8"	0.6	208	1	47-41	ALL
HP-2	DAIKIN	FXZQ127AVJU	B	171A - THE VAULT	1.0	353-300-247	12,000	13,500	1/4"	1/2"	0.4	208	1	33.5-30-26	ALL
TYPE:															
A. WALL MOUNTED UNIT.															
B. CEILING RECESSED 4-WAY DISCHARGE.															
REMARKS:															
1. COOLING CAPACITY AT 80°F EDB, 67°F EWB, & 95°F ODB. HEATING CAPACITY AT 70°F EDB, 47°F ODB & 43°F OWB.															
2. FURNISH AND INSTALL MANUFACTURER'S WIRED REMOTE TEMPERATURE SENSOR. UNIT SHALL BE CONTROLLED IN ACCORDANCE WITH SEQUENCE OF OPERATIONS IN SPECIFICATIONS.															
3. FURNISH AND INSTALL ALL CONTROL WIRING NECESSARY FROM OUTDOOR UNIT, INDOOR UNIT, AND ALL OTHER CONTROLS ASSOCIATED WITH SYSTEM.															
4. PROVIDE WITH INTERNAL CONDENSATE PUMP.															
5. PROVIDE WITH MANUFACTURER'S REMOTE THERMISTOR.															

VRF SYSTEM - OUTDOOR CONDENSING UNIT SCHEDULE																
SYMBOL	MANUFACTURER	MODEL	SYSTEM				ELECTRICAL				SOUND PRESSURE @ 3 FT (dBA)	WEIGHT (LBS)	REMARKS			
			NOMINAL TONS	COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH)	EER 95F	SEER	MCA	MOP	VOLTS				PHASE		
															MODULATION DOWN TO	
ACCU-1	DAIKIN	RXTQ38TAVJA	3	36,000	40,000	12.0	18.0	17	25	208	1	58	172	ALL		
REMARKS:																
1. R410A REFRIGERANT. CAPACITY RATINGS AT ARI CONDITIONS. COOLING - 80°F EDB, 67°F EWB, 95°F ODB. HEATING - 70°F EDB, 47°F ODB, 43°F OWB.																
2. SINGLE POINT POWER CONNECTION.																
3. PROVIDE BACNET GATEWAY.																

VRF SYSTEM UNIT GENERAL NOTES													
A. FOR THE MAIN REFRIGERANT LINES FROM THE OUTDOOR CONDENSING UNITS TO THE BRANCH CONTROLLER BOXES, EACH LINE ON PLAN REPRESENTS ONE LINE A LIQUID OR GAS. FOR THE BRANCH LINES FROM THE BRANCH CONTROLLER BOX TO THE AIR HANDLERS, EACH LINE ON PLAN REPRESENTS TWO LINES A GAS & A LIQUID REFRIGERANT PIPE. REFRIGERANT PIPE RISERS INCLUDED IN DRAWINGS SHALL BE REVIEWED AND CONFIRMED BY MANUFACTURER PRIOR TO PURCHASING ANY AND ALL EQUIPMENT.													
B. MOUNT EACH CONDENSING UNIT ON CONCRETE MOUNTING PAD.													
C. PROVIDE SPLIT SYSTEM REFRIGERANT PIPING BETWEEN THE INDOOR UNIT, BRANCH CONTROLLER BOX AND THE OUTDOOR UNIT. INSTALL PER MANUFACTURER'S INSTRUCTIONS.													
D. PROVIDE BACNET GATEWAY FOR INTEGRATION OF VRF SYSTEM TO BUILDING AUTOMATION SYSTEM.													
E. SYSTEM SHALL BE PROVIDED WITH MANUFACTURER START-UP AND FULL DAY OF TRAINING (8 HOURS OVER TWO DAYS).													

AIR COOLED CHILLER SCHEDULE																		
SYMBOL	MANUFACTURER/ MODEL NUMBER	MEDIA	REFRIGERANT	EER	IPLV	NOM/ACT CAPACITY (TONS)	FLOW (GPM)	EWT (°F)	LWT (°F)	PD (FT HD)	AMBIENT AIR TEMP (°F)	ELECTRICAL DATA			OPERATING WEIGHT (LBS)	MODULATION DOWN TO	REMARKS	
												MCA	MOP	VOLTS				
CH-1	TRANE / CGAM	PPG	R-410A	10.25	15.19	110 / 101.6	266	54	44	25.0	95	494	600	208	3	14,785	20%	ALL
REMARKS:																		
1. COMMUNICATION INTERFACE TO TO BMS VIA BACNET.																		
2. SINGLE POINT POWER WITH NON-FUSED DISCONNECT.																		
3. PROVIDE WITH FACTORY AUTHORIZED START-UP.																		
MEDIA: PPG = 40% PROPYLENE GLYCOL/WATER SOLUTION																		

FINNED TUBE RADIATION SCHEDULE												
SYMBOL	MANUFACTURER/ MODEL NUMBER	CAPACITY BTUH/LF	EWT (°F)	LWT (°F)	FLOW GPM	ENCLOSURE HEIGHT	MOUNTING HEIGHT TO BOTTOM	NO. OF TIERS	PIPE SIZE	FIN SIZE	REMARKS	
R1	RITTLING	291	110	90	AS NOTED	N/A	4"	2	3/4"	3/4"C-3 1/4 x 3 1/4 x 32	1-4	
REMARKS:												
1. ENCLOSURE COVER SHALL BE BY ARCHITECT.												
2. PROVIDE ALL REQUIRED MOUNTING HARDWARE AND ENCLOSURE ACCESS PANELS.												
3. REFER TO PIPING DETAILS.												
4. UNIT SHALL BE FLOOR MOUNTED EXPOSED FIN WITH NO MANUFACTURER ENCLOSURE.												
INDICATES TYPE OF FIN TUBE												
INDICATES LENGTH OF ACTIVE FINNED ELEMENT												
INDICATES HEATING H.W. FLOW (GAL PER MINUTE)												

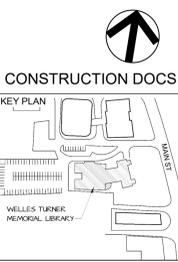
DIFFUSER AND REGISTER SCHEDULE									
SYMBOL	MANUFACTURER/ MODEL NUMBER	DUTY	TYPE	BORDER TYPE	CONSTRUCTION			REMARKS	
					ODB	FRAME	BLADES		
A	KRUEGER S85	SUPPLY	PL	LAY IN	NONE	STEEL	STEEL	1	
B	KRUEGER S85	RETURN/ EXHAUST	LF	LAY IN	NONE	STEEL	STEEL	1	
C	KRUEGER S85D	RETURN/ EXHAUST	SW	SURFACE MOUNT	NONE	STEEL	STEEL	1	
D	KRUEGER 480	SUPPLY	SW	SURFACE MOUNT	NONE	STEEL	STEEL	2	
E	KRUEGER SHPC	SUPPLY	DD	LAY IN	NONE	STEEL	STEEL	3	
TYPES:									
PL - PLAQUE DIFFUSER									
LF - LINEAR BAR									
LB - LOUVERED FACE									
DD - DIRECTIONAL DIFFUSER									
LS - LINEAR SLOT									
SW - SIDEWALL REGISTER									
PERF - PERFORATED / EGG-CRATE									
REMARKS:									
1. FURNISH IN FACTORY PAINTED WHITE FINISH									
2. FACTORY COLOR AND FINISH OPTION TO BE SELECTED BY ARCHITECT.									
3. PROVIDE ONE WAY BLOW.									
INDICATES NECK SIZE									
INDICATES UNIT CFM CAPACITY									

ELECTRIC WALL HEATER SCHEDULE														
GENERAL				PERFORMANCE				ELECTRICAL			REMARKS			
SYMBOL	MANUFACTURER	MODEL	LOCATION	MBH	KW	AMPS	CFM	FAN SPEEDS	VOLTAGE	PHASE	TYPE	RATINGS	FEATURES	INSTALL
EW-1	QMARK	LFK404F	GALLERY 262	10.2	3.0	14.4	100	SINGLE SPEED	208	1	1	1	1	1.2
REMARKS-TYPE				REMARKS-RATINGS				REMARKS-FEATURES			REMARKS-INSTALL			
1. WALL MOUNTED, RECESSED				1. 65°F EAT, 30°F DELTA T, 95°F LAT				1. PROVIDE WITH WIRED WALL-MOUNTED REMOTE THERMISTAT			1. PROVIDE ALL REQUIRED MOUNTING HARDWARE			
											2. COORDINATE WITH ARCHITECT FOR EXACT LOCATION AND HEIGHT ON WALL			

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MECHANICAL SCHEDULES AND DIAGRAMS

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PROJ. NO.	190101	
SCALE	1/8" = 1'-0"	
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DRAWN BY	TDA	
APPROVED BY	EMG	
ISSUE DATES		
NO.	DATE	PURPOSE

M6.00

ELECTRICAL ABBREVIATIONS			
A/AMP	AMPERE	JB	JUNCTION BOX
AC	ALTERNATING CURRENT	KCMIL	THOUSAND CIRCULAR MILS
AFCI	ARC FAULT CIRCUIT INTERRUPTER	KVA	KILOVOLT AMPERE
ACU	AIR CONDITIONING UNIT	KW	KILOWATT
AF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AFG	ABOVE FINISHED GRADE	MAU	MAKE UP AIR UNIT
AHU	AIR HANDLING UNIT	MCB	MAIN CIRCUIT BREAKER
AIC	AMPS INTERRUPTING CURRENT	MCC	MOTOR CONTROL CENTER
AL	ALUMINUM	MCCB	MOLDED CASE CIRCUIT BREAKER
ATS	AUTOMATIC TRANSFER SWITCH	MH	METAL HALIDE
AWG	AMERICAN WIRE GAUGE	MIN	MINIMUM
BSMT	BASEMENT	MLO	MAIN LUGS ONLY
C	CONDUIT	NA	NOT APPLICABLE
CATV	CABLE TELEVISION	NEC	NATIONAL ELECTRIC CODE
CB	CIRCUIT BREAKER	NIC	NOT IN CONTRACT
CKT	CIRCUIT	NL	NEW LOCATION OF EXISTING RELOCATED
COMP	COMPRESSOR	NR	NEW TO REPLACE EXISTING
CP	CONDENSATE PUMP	NTS	NOT TO SCALE
CT	CURRENT TRANSFORMER	P	POLE
CU	CONDENSING UNIT, COPPER	PE	PRIMARY ELECTRICAL SERVICE
CUH	CABINET UNIT HEATER	PF	POWER FACTOR
°	DEGREE	PHI	PHASE
∅	DIAMETER	PNL	PANEL
DN	DOWN	PVC	POLYVINYL CHLORIDE CONDUIT
DWG	DRAWING	RE	REMOVE EXISTING
ETR	EXISTING TO REMAIN	RGS	RIGID GALVANIZED STEEL CONDUIT
EF	EXHAUST FAN	RL	RELOCATE EXISTING ROOM
ELEC	ELECTRICAL	RM	REMOVE AND REPLACE ON NEW SURFACE
ELEV	ELEVATOR	RTU	ROOFTOP UNIT
EMT	ELECTRIC METALLIC TUBING	SE	SECONDARY ELECTRICAL SERVICE
EUH	ELECTRIC UNIT HEATER	SPEC	SPECIFICATION
EWC	ELECTRIC WATER COOLER	SWBD	SWITCHBOARD
EWH	ELECTRIC WATER HEATER	SPD	SURGE PROTECTION DEVICE
F	FAHRENHEIT	TELE	TELECOMMUNICATIONS/TELEPHONE
FA	FIRE ALARM	TV	TELEVISION
FACP	FIRE ALARM CONTROL PANEL	T/TX	TRANSFORMER
FC	FOOT CANDLE	TYP	TYPICAL
FCU	FAN COIL UNIT	UH	UNIT HEATER
G	GROUND	V	VOLTS
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	VA	VOLT AMPERE
HP	HORSE POWER	VAC	VOLTS ALTERNATING CURRENT
HPS	HIGH PRESSURE SODIUM	W	WATT
HR	HOUR	WG	WIRE GUARD
HZ	HERTZ	WP	WEATHERPROOF
IG	ISOLATED GROUND		
IN	INCHES		

NOTES: REFER TO DEMOLITION DRAWINGS ED1.01 & ED1.02 FOR ADDITIONAL ABBREVIATION INFORMATION APPLICABLE TO THE PROJECT.

MOUNTING ELEVATIONS AND DEVICE TAG NOTES	
MOUNTING ELEVATIONS:	
blank	MOUNT +18" AFF
a	MOUNT 48" ABOVE ARCHITECTURAL FURNITURE (COUNTER, DESK, ETC.) +48" AFF IF NO FURNITURE PRESENT
c	MOUNTED IN CEILING
MOUNTING ELEVATIONS ARE STANDARD THROUGHOUT THE PROJECT UNLESS NOTED OTHERWISE ON PLANS OR TELECOMMUNICATIONS FACEPLATE & CABLING SCHEDULE. APPLICABLE TO ALL DATA DEVICES	

ELECTRICAL SYMBOL LIST			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SURFACE MOUNTED PANELBOARD		EXTERIOR POLE MOUNTED LIGHTING FIXTURE
	RECESSED PANELBOARD		EXTERIOR BUILDING MOUNTED LIGHTING FIXTURE
	DISCONNECT SWITCH		EXTERIOR BUILDING MOUNTED EMERGENCY LIGHTING FIXTURE
	FUSED DISCONNECT SWITCH		SURFACE LINEAR / T-BAR IN-LAY LIGHTING FIXTURE
	COMBINATION STARTER/DISCONNECT SWITCH		PENDANT MOUNTED FLUORESCENT EMERGENCY LIGHTING FIXTURE
	ELECTRICAL MOTOR		PENDANT MOUNTED FLUORESCENT EMERGENCY LIGHTING FIXTURE
	TRANSFORMER		RECESSED FLUORESCENT LIGHTING FIXTURE
	ELECTRICAL METER		RECESSED FLUORESCENT EMERGENCY LIGHTING FIXTURE
	BRANCH CIRCUIT WIRING, CONCEALED IN WALLS OR CEILINGS		TRACK LIGHTING, HEADS AS INDICATED ON DRAWINGS
	HOMERUN TO PANELBOARD, UNLESS INDICATED OTHERWISE SHALL BE CONNECTED TO A 1 POLE, 20 AMP CIRCUIT BREAKER		RECESSED DOWNLIGHT FIXTURE
	BRANCH CIRCUIT WIRING, SWITCHED		RECESSED DOWNLIGHT EMERGENCY FIXTURE
	CONDUIT RUN ON SURFACE OF WALLS/CEILING		PENDANT HUNG LIGHTING FIXTURE
	BRANCH CIRCUIT WIRING BELOW GRADE/SLAB		PENDANT HUNG EMERGENCY LIGHTING FIXTURE
	JUNCTION BOX		BOLLARD MOUNTED LIGHTING FIXTURE
	WIREMOLD, LOCATE DEVICES AS INDICATED ON DRAWINGS		CEILING MOUNTED OCCUPANCY SENSOR
	DUPLEX WALL MOUNTED TAMPER-PROOF RECEPTACLE		CEILING MOUNTED VACANCY SENSOR
	DOUBLE DUPLEX WALL MOUNTED TAMPER-PROOF RECEPTACLE		CEILING MOUNTED DAYLIGHT SENSING PHOTOCCELL
	DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTION		WALL MOUNTED ADA COMBINATION HORN / STROBE LIGHT. CANDELA RATING AS INDICATED ON PLANS. MOUNT AT 6'-8" AFF
	QUADPLEX/ DATA FLOOR OUTLET		WALL MOUNTED ADA STROBE. CANDELA RATING AS INDICATED ON PLANS
	QUADPLEX/ DATA POKE-THRU OUTLET		VIDEO SURVEILLANCE CAMERA
	CEILING MOUNTED SPEAKER		WALL MOUNTED FIRE ALARM MANUAL PULL STATION. MOUNT AT 48" AFF
	DATA OUTLET. REFER TO TELCOM SCHEDULE E6.00 FOR ADDITION INFORMATION		CEILING MOUNTED SMOKE DETECTOR
	COMBINATION VOIP / DATA OUTLET. REFER TO TELCOM SCHEDULE E6.00 FOR ADDITION INFORMATION		EMERGENCY CALL TOGGLE SWITCH
	SINGLE POLE TOGGLE SWITCH WITH INTEGRATED OCCUPANCY SENSOR		EMERGENCY CALL FOR AID COMBINATION BUZZER / LIGHT
	LOW VOLTAGE PRESENTATION LIGHTING KEYPAD WITH DIMMING		WALL MOUNTED EXIT SIGN, DOUBLE FACED
	LOW VOLTAGE LIGHTING KEYPAD WITH DIMMING		WALL MOUNTED EXIT SIGN
	RELAY		CEILING MOUNTED EXIT SIGN
	POWER PACK		CEILING MOUNTED EXIT SIGN, DOUBLE FACED
	WALL MOUNTED LIGHT SENSING PHOTOCCELL FOR DAYLIGHT HARVESTING		EMERGENCY POWER SUPPLY WITH INTERNAL BATTERY
	CEILING MOUNTED WIRELESS ACCESS POINT		POWER PACK
	WALL MOUNTED WIRELESS ACCESS POINT		AUTOMATIC DOOR PUSH PLATE
			CARD READER
			ACCESS CONTROLLED DOOR
			DOOR CONTACT

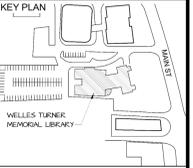
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ELECTRICAL SYMBOLS, ABBREVIATIONS, LEGENDS

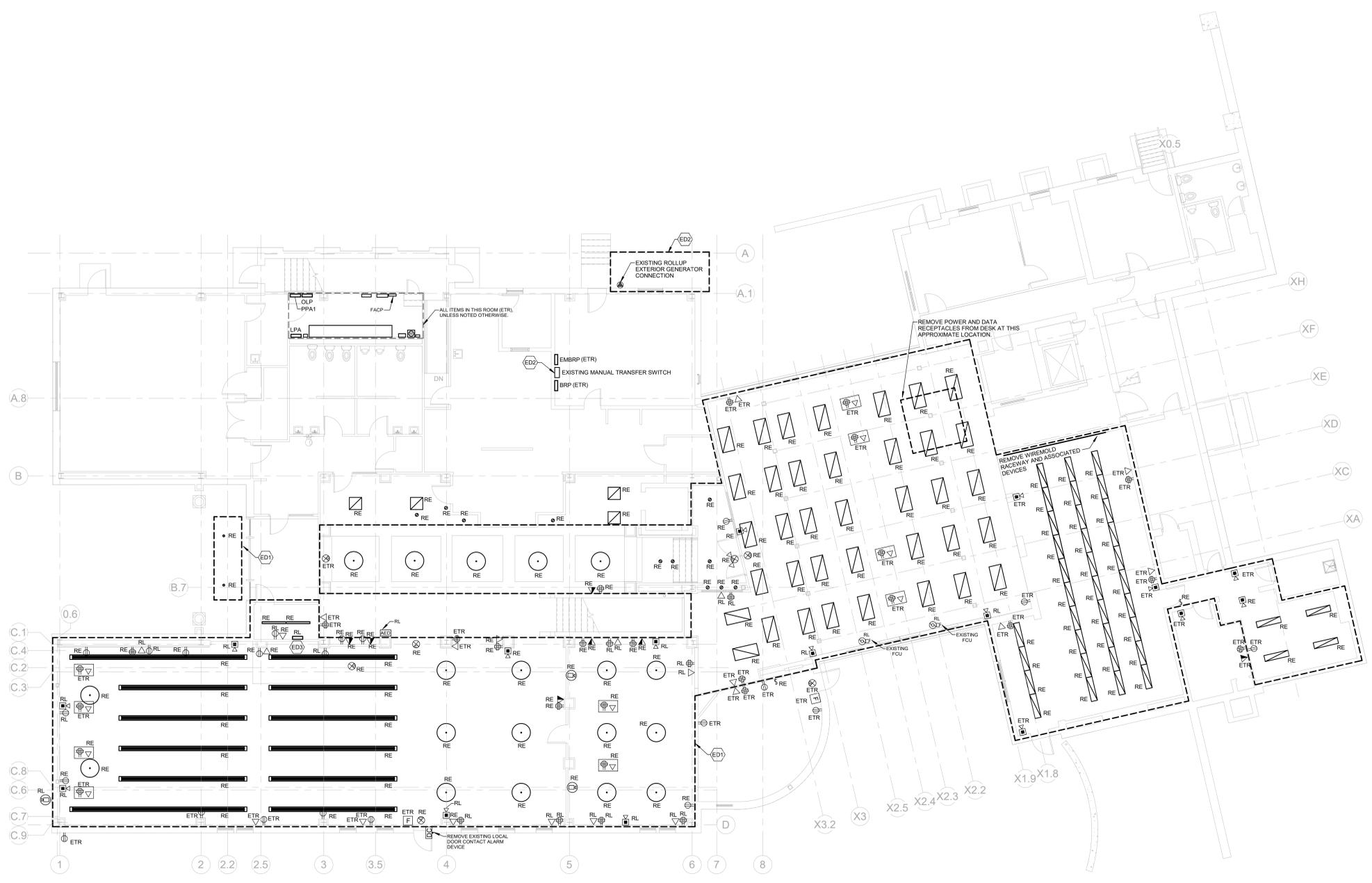
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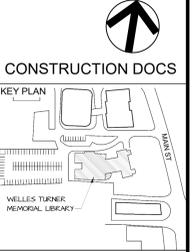
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- ### ELECTRICAL DEMO KEY NOTES
- (ED1) REMOVE LIGHTING FIXTURES WITHIN THIS AREA INCLUDING BUT NOT LIMITED TO HOUSINGS, SUPPORTS, BOXES, CONTROLS, AND SWITCHES. LIGHTING BRANCH CIRCUIT TO REMAIN AND BE SECURED FOR FUTURE RE-USE AND RECONNECTION. THE REMOVAL OF FIXTURES AND CONTROLS SHALL BE ASSESSED AND COORDINATED WITH OTHER AREAS TO PREVENT INTERRUPTION TO OTHER AREAS IN THE BUILDING. THE EC SHALL PROVIDE CONTROLS RE-WIRING AND/OR MODIFICATIONS AS REQUIRED TO MAINTAIN OPERABILITY FOR OTHER AREAS NOT AFFECTED BY DEMOLITION, INCLUDING RELOCATION OF LIGHTING SWITCHES OR OTHER ASSOCIATED DEVICES AS REQUIRED.
 - (ED2) REMOVE EXISTING MANUAL TRANSFER SWITCH AND EXISTING GENERATOR CONNECTION. EXISTING CONDUIT PATHWAY TO REMAIN. CAP AND MAKE SAFE. FEEDER CONNECTION ASSOCIATED WITH PANELBOARD "EMBRP" TO REMAIN FOR FUTURE RECONNECTION.
 - (ED3) REMOVE AND RELOCATE EXISTING PANELBOARD TO LOCATION SHOWN ON "EP" SERIES DRAWINGS. EXISTING FEEDERS AND BRANCH CIRCUITS SHALL BE DISCONNECTED AND MADE SAFE FOR FUTURE EXTENSION. SEE EP PLANS FOR RELOCATION AND WIRING EXTENSIONS.
 - (ED4) REMOVE EXISTING DOOR CONTACT AND ASSOCIATED WIRING AT THE DOOR IN THIS APPROXIMATE LOCATION. CAP WIRING AND MAKE SAFE FOR FUTURE EXTENSION OF WIRING TO NEW DOOR CONTACT.

- ### DEMOLITION NOTES - ELECTRICAL
1. ALL ELECTRICAL DEVICES SHALL REMAIN UNLESS OTHERWISE NOTED. DEVICES TAGGED "ETR" ARE EXISTING TO REMAIN AND SHOWN FOR COORDINATION PURPOSES ONLY.
 2. **POWER RECEPTACLE DEMOLITION:**
 - A. RECEPTACLES TAGGED "RE" SHALL BE REMOVED AND DISPOSED, INCLUDING REMOVAL OF ASSOCIATED FACEPLATES AND BACKBOXES. REMOVE BRACKETS, HANGERS AND BRANCH CIRCUIT WIRING BACK TO SOURCE PANELBOARD OR LAST ACTIVE DEVICE.
 3. **LIGHTING DEMOLITION:**
 - A. REMOVE LIGHTING FIXTURES TAGGED "RE" INCLUDING BUT NOT LIMITED TO ASSOCIATED HOUSINGS, SUPPORTS, BOXES, CONTROLS, AND SWITCHES. LIGHTING BRANCH CIRCUIT TO REMAIN AND BE SECURED FOR FUTURE RE-USE AND RECONNECTION. THE REMOVAL OF FIXTURES AND CONTROLS SHALL BE ASSESSED AND COORDINATED WITH OTHER AREAS TO PREVENT INTERRUPTION TO OTHER AREAS IN THE BUILDING. THE EC SHALL PROVIDE CONTROLS RE-WIRING AND/OR MODIFICATIONS AS REQUIRED TO MAINTAIN OPERABILITY FOR OTHER AREAS NOT AFFECTED BY DEMOLITION, INCLUDING RELOCATION OF LIGHTING SWITCHES OR OTHER ASSOCIATED DEVICES AS REQUIRED.
 4. **DATA RECEPTACLE DEMOLITION:**
 - A. DATA RECEPTACLES TAGGED "RE" SHALL BE REMOVED AND DISPOSED, INCLUDING REMOVAL OF ASSOCIATED FACEPLATES AND BACKBOXES. REMOVE BRACKETS, HANGERS AND CABLING BACK TO SOURCE IT RACK.
 5. **FIRE ALARM DEMOLITION:**
 - A. FIRE ALARM DEVICES TAGGED "RE" SHALL BE REMOVED AND DISPOSED. REMOVE BRACKETS, HANGERS AND WIRING BACK TO SOURCE PANEL OR LAST ACTIVE DEVICE FOR CIRCUIT CONTINUITY.
 - B. FIRE ALARM DEVICES TAGGED "RL" SHALL BE REMOVED AND RELOCATED TO NEARBY WALL AS INDICATED ON NEW WORK PLANS EPT.01 AND EPT.02. EXTEND CONDUITS, WIRING, ETC.
 6. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL ITEMS TO BE REMOVED IN A SAFE, LEGAL AND RESPONSIBLE MANNER.
 7. CONTRACTOR SHALL BE RESPONSIBLE FOR STORAGE AND HANDLING OF EXISTING TO BE RELOCATED EQUIPMENT.
 8. CONTRACTOR SHALL MODIFY EXISTING CIRCUITS, WHEN EXISTING DEVICES ARE REMOVED, AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY.
 9. THIS PLAN IS DIAGRAMMATIC AND NOT INTENDED TO DEPICT THE ENTIRE SCOPE OF ELECTRICAL DEMOLITION. ADDITIONAL DEMOLITION AND MODIFICATION WORK NOT SHOWN SHOULD BE ANTICIPATED.
 10. THIS PROJECT COMPRISES ALTERATIONS AND RENOVATIONS TO THE EXISTING BUILDING. THE EXISTING BUILDING IS CURRENTLY OCCUPIED AND THE PROJECT WILL PROCEED IN A MANNER WHICH WILL MINIMIZE ANY INCONVENIENCE TO THE BUILDING OCCUPANTS.
 11. PRIOR TO SUBMITTING BID, VISIT SITE AND IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT WORK TO BE PERFORMED. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY IDENTIFIED BY EXPERIENCED OBSERVERS. INCLUDE IN THE BID ALL DEMOLITION WORK REQUIRED.



1 ELECTRICAL DEMOLITION - FIRST FLOOR
1/8" = 1'-0"



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**ELECTRICAL DEMOLITION
FIRST FLOOR PLAN**

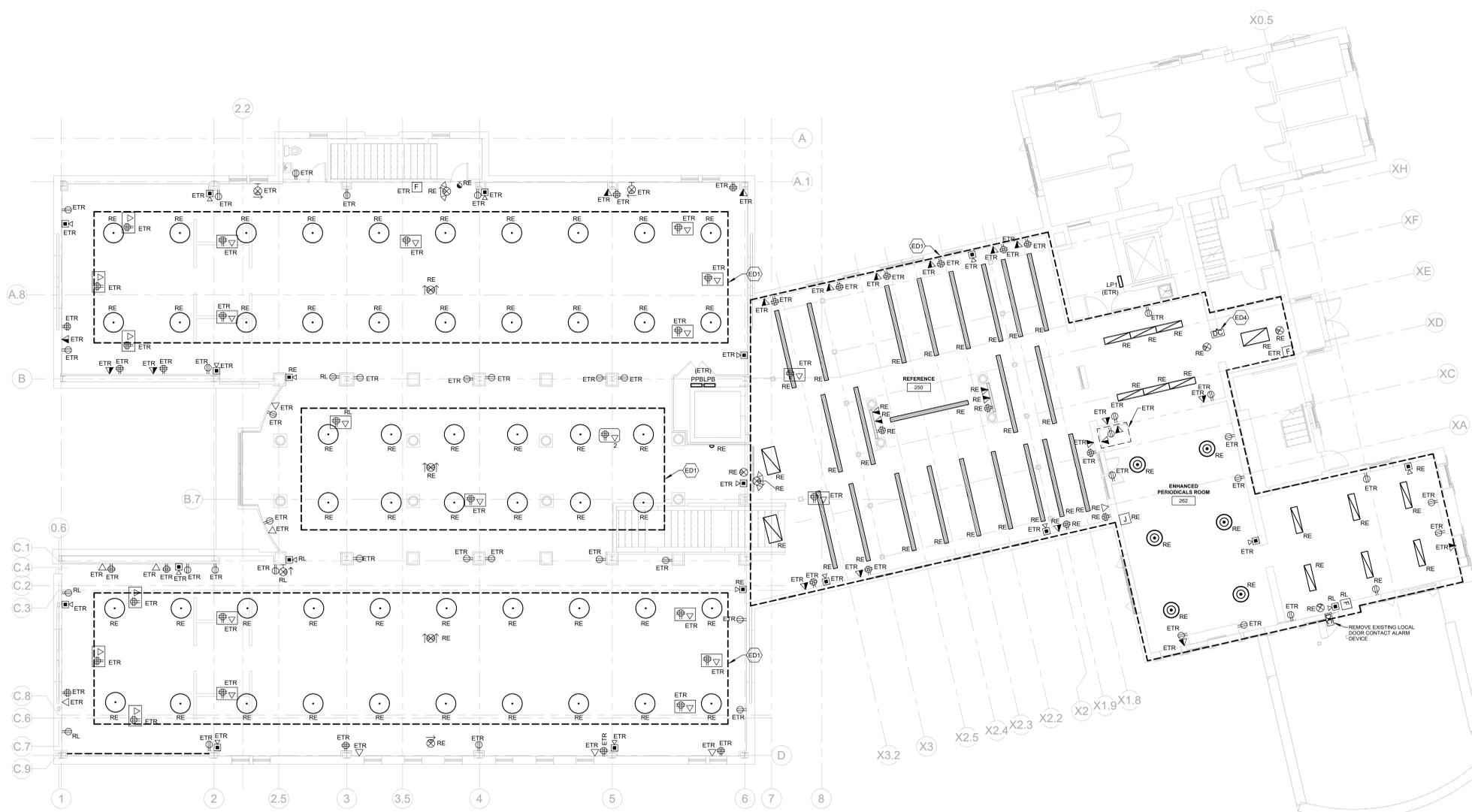
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NO.	DATE	PURPOSE

ED1.01

- ### ELECTRICAL DEMO KEY NOTES
- (ED1) REMOVE LIGHTING FIXTURES WITHIN THIS AREA INCLUDING BUT NOT LIMITED TO HOUSINGS, SUPPORTS, BOXES, CONTROLS, AND SWITCHES. LIGHTING BRANCH CIRCUIT TO REMAIN AND BE SECURED FOR FUTURE RE-USE AND RECONNECTION. THE REMOVAL OF FIXTURES AND CONTROLS SHALL BE ASSESSED AND COORDINATED WITH OTHER AREAS TO PREVENT INTERRUPTION TO OTHER AREAS IN THE BUILDING. THE EC SHALL PROVIDE CONTROLS RE-WIRING AND/OR MODIFICATIONS AS REQUIRED TO MAINTAIN OPERABILITY FOR OTHER AREAS NOT AFFECTED BY DEMOLITION, INCLUDING RELOCATION OF LIGHTING SWITCHES OR OTHER ASSOCIATED DEVICES AS REQUIRED.
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 4. DATA RECEPTACLE DEMOLITION:
 - A. DATA RECEPTACLES TAGGED "RE" SHALL BE REMOVED AND DISPOSED, INCLUDING REMOVAL OF ASSOCIATED FACERPLATES AND BACKBOXES. REMOVE BRACKETS, HANGERS AND CABLING BACK TO SOURCE IT RACK.
 5. FIRE ALARM DEMOLITION:
 - A. FIRE ALARM DEVICES TAGGED "RE" SHALL BE REMOVED AND DISPOSED. REMOVE BRACKETS, HANGERS AND WIRING BACK TO SOURCE PANEL OR LAST ACTIVE DEVICE FOR CIRCUIT CONTINUITY.
 - B. FIRE ALARM DEVICES TAGGED "RL" SHALL BE REMOVED AND RELOCATED TO NEARBY WALL AS INDICATED ON NEW WORK PLANS EPI.01 AND EPI.02. EXTEND CONDUITS, WIRING, ETC.
 6. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL ITEMS TO BE REMOVED IN A SAFE, LEGAL AND RESPONSIBLE MANNER.
 7. CONTRACTOR SHALL BE RESPONSIBLE FOR STORAGE AND HANDLING OF EXISTING TO BE RELOCATED EQUIPMENT.
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1 ELECTRICAL DEMOLITION - SECOND FLOOR
1/8" = 1'-0"

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DRAWING TITLE
ELECTRICAL DEMOLITION
SECOND FLOOR PLAN

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NO.	DATE	PURPOSE

LIGHTING NOTES

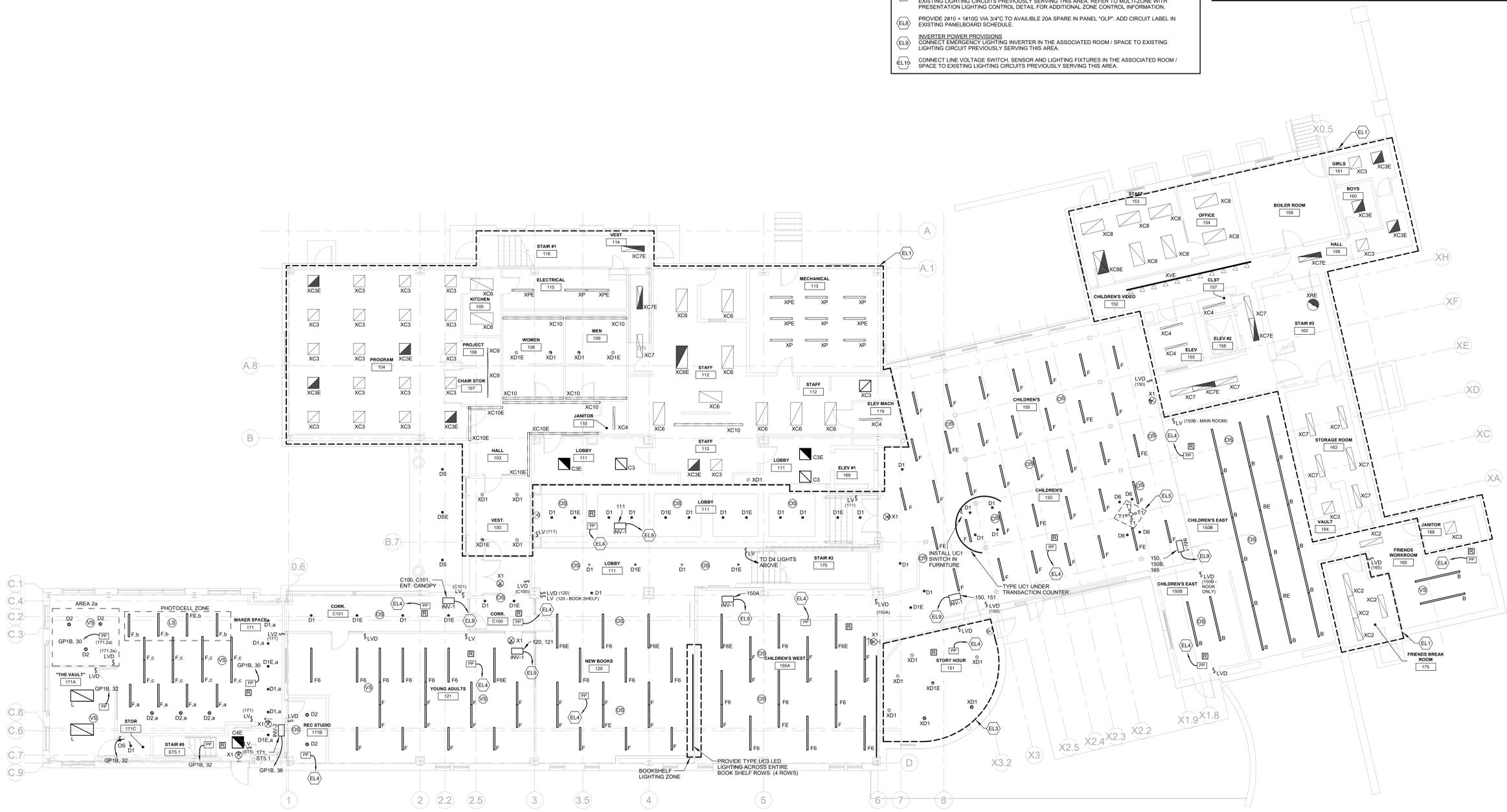
- LIGHTING CONTROLS AND SWITCH DESIGNATION**
 - FOR AREAS THAT OVERLAP BETWEEN RETROFIT AND NEW LIGHTING, PROVIDE WIRING TO RETROFIT FIXTURES TO BE CONTROLLED UNIFORMLY USING NEW 0-10V LIGHTING CONTROLS. PROVIDE DIMMABLE DRIVERS FOR FIXTURES BEING RETROFIT IN AREAS WHERE NEW 0-10V DIMMING LIGHTING CONTROLS ARE USED.
 - LIGHTING SWITCHES SHALL BE USED TO CONTROL LIGHTING IN THE ROOM DENOTED NEXT TO THE SWITCH.
 - SWITCHES, POWER PACKS, SENSORS AND LIGHTING FIXTURES SHALL BE LIMITED TO SERVE ONLY THE SPACE THEY ARE LOCATED IN (INDEPENDENT CONTROLS).
- INVERTER DESIGNATION**
 - INVERTERS SHALL BE USED TO POWER NEW EMERGENCY LIGHTING FIXTURES ONLY (TAGGED WITH "E" SUBSCRIPT) AND ONLY POWER FIXTURES IN THE ROOMS DENOTED. REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INVERTER INFORMATION.

ELECTRICAL LIGHTING KEY NOTES

- EXISTING LIGHTING FIXTURES IN THIS SPACE SHALL BE REMOVED, CLEANED, AND REINSTALLED WITH NEW RETROFIT LED KIT IN THE SAME PLACE. REFER TO THE RETROFIT LIGHTING FIXTURE SCHEDULE ON DRAWING E8.01. PROVIDE TESTING OF ALL RETROFIT COMPONENTS FOR PROPER FUNCTIONALITY WITH EXISTING LIGHTING CONTROLS.
- SOLATUBE LIGHTING**
PROVIDE 0-10V DIMMING CONTROL WIRING FOR THE INTEGRAL DAMPER DAISY CHAIN ALL SOLATUBE FIXTURES. PROVIDE CONNECTION FROM NEARBY 120VAC SOURCE.
- EXISTING LIGHTING FIXTURES IN THIS SPACE SHALL BE REMOVED, CLEANED, AND REINSTALLED WITH NEW RETROFIT LED KIT IN THE SAME PLACE. REFER TO THE RETROFIT LIGHTING FIXTURE SCHEDULE ON DRAWING E8.01. PROVIDE TESTING OF ALL RETROFIT COMPONENTS FOR PROPER FUNCTIONALITY WITH EXISTING LIGHTING CONTROLS. RETROFIT LED DRIVERS IN THIS SPACE SHALL BE COMPATIBLE WITH 0-10V CONTROLS.
- SINGLE ZONE ROOM LIGHTING**
CONNECT POWERPACK, RELAY AND LIGHTING FIXTURES IN THE ASSOCIATED ROOM / SPACE TO EXISTING LIGHTING CIRCUITS PREVIOUSLY SERVING THIS AREA. REFER TO SINGLE-ZONE LIGHTING CONTROL DETAIL FOR ADDITIONAL ZONE CONTROL INFORMATION. PHOTOCELL ZONES SHALL BE PROGRAMMED AS SHOWN IN LIGHTING CONTROL DETAILS, WHERE APPLICABLE.
- MOUNT "T" TYPE FIXTURES ON FACE OF BEAM AND TREE CASEWORK. FIXTURES SHALL BE ANGLED UP AND AWAY FROM THE BEAM TO ILLUMINATE TREE BRANCH DESIGN ABOVE.**
- MULTI-ZONE ROOM LIGHTING**
CONNECT POWERPACK, RELAY AND LIGHTING FIXTURES IN THE ASSOCIATED ROOM / SPACE TO EXISTING LIGHTING CIRCUITS PREVIOUSLY SERVING THIS AREA. REFER TO MULTI-ZONE LIGHTING CONTROL DETAIL FOR ADDITIONAL ZONE CONTROL INFORMATION. PHOTOCELL ZONES SHALL BE PROGRAMMED AS SHOWN IN LIGHTING CONTROL DETAILS.
- MULTI-ZONE ROOM WITH PRESENTATION MODE LIGHTING**
CONNECT POWERPACK, RELAY AND LIGHTING FIXTURES IN THE ASSOCIATED ROOM / SPACE TO EXISTING LIGHTING CIRCUITS PREVIOUSLY SERVING THIS AREA. REFER TO MULTI-ZONE WITH PRESENTATION LIGHTING CONTROL DETAIL FOR ADDITIONAL ZONE CONTROL INFORMATION.
- PROVIDE 2#10 - 1#105 VIA 3/4" TO AVAILABLE 20A SPARE IN PANEL "OLP". ADD CIRCUIT LABEL IN EXISTING PANELBOARD SCHEDULE.
- INVERTER POWER PROVISIONS**
CONNECT EMERGENCY LIGHTING INVERTER IN THE ASSOCIATED ROOM / SPACE TO EXISTING LIGHTING CIRCUIT PREVIOUSLY SERVING THIS AREA.
- CONNECT LINE VOLTAGE SWITCH, SENSOR AND LIGHTING FIXTURES IN THE ASSOCIATED ROOM / SPACE TO EXISTING LIGHTING CIRCUITS PREVIOUSLY SERVING THIS AREA.

GENERAL NOTES - ELECTRICAL

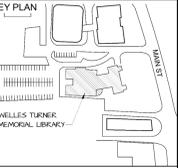
- ALL CIRCUITS SHALL BE 2#12-1#120-3/4" TO NEW 20A-1P CIRCUIT BREAKER IN PANEL INDICATED UNLESS NOTED OTHERWISE.
- ALL BRANCH CIRCUITS EXCEEDING 150' IN LENGTH SHALL BE 2#10-1#105-3/4" UNLESS NOTED OTHERWISE.
- ALL DEVICES SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT NUMBER(S).
- REFER TO ARCHITECTS REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED ELECTRICAL DEVICES.
- REFER TO DRAWING E8.00 FOR ELECTRICAL SYMBOLS, LEGENDS, AND ABBREVIATIONS.
- PROVIDE FIRE STOPPING AND SMOKE BARRIER SEALING OF ALL PENETRATIONS THROUGH FIRE WALLS OR SMOKE BARRIERS AS REQUIRED. REFER TO ARCHITECTURAL FLOOR PLANS AND CODE SHEETS FOR WALLS.
- ALL RECEPTACLES LOCATED WITHIN 6' FROM SINKS SHALL BE GFCI TYPE.
- EXIT SIGNS SHALL BE WIRED TO LINE SIDE OF LOCAL LIGHTING BRANCH CIRCUIT, AHEAD OF ALL SWITCHING DEVICES.
- REFER TO LIGHTING CONTROL DETAILS FOR ADDITION INFORMATION ON BRANCH CIRCUIT WIRING REQUIREMENTS.
- ALL NEW POWER RECEPTACLES SHALL BE "TAMPER-PROOF" TYPE.
- PROVIDE 3/4" AC-PLYWOOD FOR NEW AND RELOCATED SURFACE MOUNTED PANELBOARDS, WITH 2 LAYERS OF FIRE RETARDANT PAINT COLORED GRAY.
- POWER AND DATA RECEPTACLES SHALL BE INSTALLED RECESSED AND FLUSHED IN THE WALL, WITH WIRING AND CONDUITS ROUTED WITHIN THE WALL CAVITY UNLESS NOTED OTHERWISE.



1 ELECTRICAL LIGHTING - FIRST FLOOR
1/8" = 1'-0"



CONSTRUCTION DOCS



DRAWING TITLE
ELECTRICAL LIGHTING FIRST FLOOR PLAN

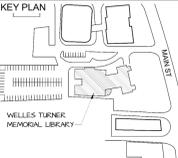
GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As Indicated
DATE	6.1.2020
DRAWN BY	MO
APPROVED BY	VCM

ISSUE DATES		
NO.	DATE	PURPOSE

EL1.01



CONSTRUCTION DOCS



DRAWING TITLE

ELECTRICAL LIGHTING SECOND FLOOR PLAN

GLAST. BID NO.	GL-2020-19
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ISSUE DATES

NO.	DATE	PURPOSE

EL1.02

LIGHTING NOTES

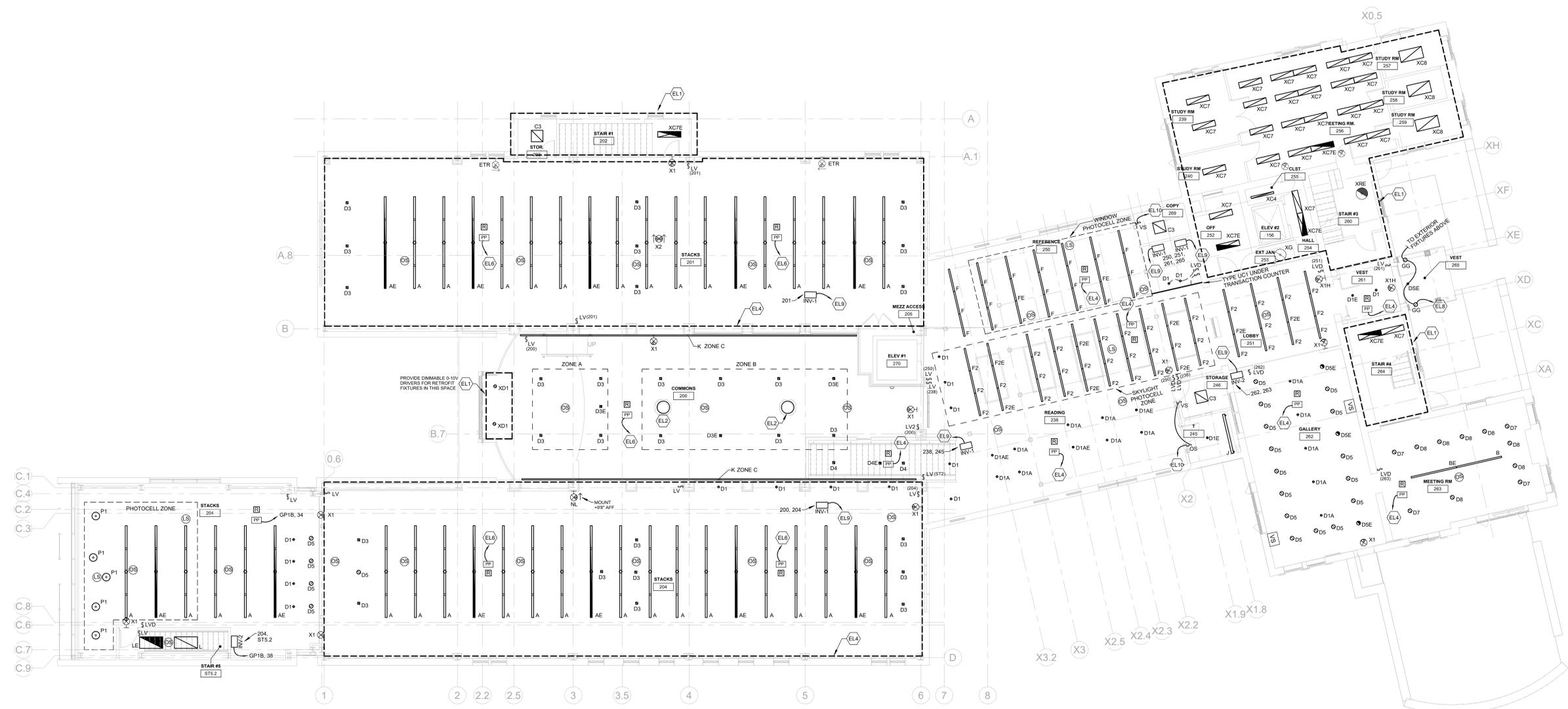
- LIGHTING CONTROLS AND SWITCH DESIGNATION**
 - FOR AREAS THAT OVERLAP BETWEEN RETROFIT AND NEW LIGHTING, PROVIDE REWIRING TO RETROFIT FIXTURES TO BE CONTROLLED UNIFORMLY USING NEW 0-10V LIGHTING CONTROLS. PROVIDE DIMMABLE DRIVERS FOR FIXTURES BEING RETROFIT IN AREAS WHERE NEW 0-10V DIMMING LIGHTING CONTROLS ARE USED.
 - LIGHTING SWITCHES SHALL BE USED TO CONTROL LIGHTING IN THE ROOM DENOTED NEXT TO THE SWITCH. SWITCHES, POWER PACKS, SENSORS AND LIGHTING FIXTURES SHALL BE LIMITED TO SERVE ONLY THE SPACE THEY ARE LOCATED IN (INDEPENDENT CONTROLS).
- INVERTER DESIGNATION**
 - INVERTERS SHALL BE USED TO POWER NEW EMERGENCY LIGHTING FIXTURES ONLY (TAGGED WITH "E" SUBSCRIPT) AND ONLY POWER FIXTURES IN THE ROOMS DENOTED. (REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INVERTER INFORMATION)

ELECTRICAL LIGHTING KEY NOTES

- EXISTING LIGHTING FIXTURES** IN THIS SPACE SHALL BE REMOVED, CLEANED, AND REINSTALLED WITH NEW RETROFIT LED KIT IN THE SAME PLACE. REFER TO "RETROFIT LIGHTING FIXTURE SCHEDULE" ON DRAWING 68.01. PROVIDE TESTING OF ALL RETROFIT COMPONENTS FOR PROPER FUNCTIONALITY WITH EXISTING LIGHTING CONTRLS.
- SOLATUBE LIGHTING**
 PROVIDE 0-10V DIMMING CONTROL WIRING FOR THE INTEGRAL DAMPER. DAISY CHAIN ALL SOLATUBE FIXTURES. PROVIDE CONNECTION FROM NEARBY 120VAC SOURCE.
- EXISTING LIGHTING FIXTURES** IN THIS SPACE SHALL BE REMOVED, CLEANED, AND REINSTALLED WITH NEW RETROFIT LED KIT IN THE SAME PLACE. REFER TO "RETROFIT LIGHTING FIXTURE SCHEDULE" ON DRAWING 68.01. PROVIDE TESTING OF ALL RETROFIT COMPONENTS FOR PROPER FUNCTIONALITY WITH EXISTING LIGHTING CONTRLS. RETROFIT LED DRIVERS IN THIS SPACE SHALL BE COMPATIBLE WITH 0-10V CONTROLS.
- SINGLE ZONE ROOM LIGHTING**
 CONNECT POWERPACK, RELAY AND LIGHTING FIXTURES IN THE ASSOCIATED ROOM / SPACE TO EXISTING LIGHTING CIRCUITS PREVIOUSLY SERVING THIS AREA. REFER TO SINGLE-ZONE LIGHTING CONTROL DETAIL FOR ADDITIONAL ZONE CONTROL INFORMATION. PHOTOCELL ZONES SHALL BE PROGRAMMED AS SHOWN IN LIGHTING CONTROL DETAILS, WHERE APPLICABLE.
- MOUNT "T1" TYPE FIXTURES** ON FACE OF BEAM AND TREE CASEWORK. FIXTURES SHALL BE ANGLED UP AND AWAY FROM THE BEAM TO ILLUMINATE TREE BRANCH DESIGN ABOVE.
- MULTI-ZONE ROOM LIGHTING**
 CONNECT POWERPACK, RELAY AND LIGHTING FIXTURES IN THE ASSOCIATED ROOM / SPACE TO EXISTING LIGHTING CIRCUITS PREVIOUSLY SERVING THIS AREA. REFER TO MULTI-ZONE LIGHTING CONTROL DETAIL FOR ADDITIONAL ZONE CONTROL INFORMATION. PHOTOCELL ZONES SHALL BE PROGRAMMED AS SHOWN IN LIGHTING CONTROL DETAILS.
- MULTI ZONE ROOM WITH PRESENTATION MODE LIGHTING**
 CONNECT POWERPACK, RELAY AND LIGHTING FIXTURES IN THE ASSOCIATED ROOM / SPACE TO EXISTING LIGHTING CIRCUITS PREVIOUSLY SERVING THIS AREA. REFER TO MULTI-ZONE WITH PRESENTATION LIGHTING CONTROL DETAIL FOR ADDITIONAL ZONE CONTROL INFORMATION.
- PROVIDE 2#10 + 1#10G VIA 3/4" TO AVAILABLE 20A SPARE IN PANEL "OLP" ADD CIRCUIT LABEL IN EXISTING PANELBOARD SCHEDULE.
- INVERTER POWER PROVISIONS**
 CONNECT EMERGENCY LIGHTING INVERTER IN THE ASSOCIATED ROOM / SPACE TO EXISTING LIGHTING CIRCUIT PREVIOUSLY SERVING THIS AREA.
- CONNECT LINE VOLTAGE SWITCH, SENSOR AND LIGHTING FIXTURES IN THE ASSOCIATED ROOM / SPACE TO EXISTING LIGHTING CIRCUITS PREVIOUSLY SERVING THIS AREA.

GENERAL NOTES - ELECTRICAL

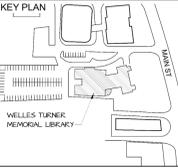
- ALL CIRCUITS SHALL BE 2#12+1#12G, 3/4", TO NEW 20A-1P CIRCUIT BREAKER IN PANEL INDICATED UNLESS NOTED OTHERWISE.
- ALL BRANCH CIRCUITS EXCEEDING 150' IN LENGTH SHALL BE 2#10+1#10G, 3/4" UNLESS NOTED OTHERWISE.
- ALL DEVICES SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT NUMBER(S).
- REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED ELECTRICAL DEVICES.
- REFER TO DRAWING 68.01 FOR ELECTRICAL SYMBOLS, LEGENDS, AND ABBREVIATIONS.
- PROVIDE FIRE STOPPING AND SMOKE BARRIER SEALING OF ALL PENETRATIONS THROUGH FIRE WALLS OR SMOKE BARRIERS AS REQUIRED. REFER TO ARCHITECTURAL FLOOR PLANS AND CODE SHEETS FOR WALLS.
- ALL RECEPTACLES LOCATED WITHIN 6' FROM SINKS SHALL BE GFCI TYPE.
- EXIT SIGNS SHALL BE WIRED TO LINE SIDE OF LOCAL LIGHTING BRANCH CIRCUIT, AHEAD OF ALL SWITCHING DEVICES.
- REFER TO LIGHTING CONTROL DETAILS FOR ADDITION INFORMATION ON BRANCH CIRCUIT WIRING REQUIREMENTS.
- ALL NEW POWER RECEPTACLES SHALL BE "TAMPER-PROOF" TYPE.
- PROVIDE 3/4" AC-FR WOOD FOR NEW AND RELOCATED SURFACE MOUNTED PANELBOARDS, WITH 2 LAYERS OF FIRE RETARDANT PAINT COLORED GRAY.
- POWER AND DATA RECEPTACLES SHALL BE INSTALLED RECESSED AND FLUSHED IN THE WALL, WITH WIRING AND CONDUITS ROUTED WITHIN THE WALL CAVITY UNLESS NOTED OTHERWISE.



1 ELECTRICAL LIGHTING - SECOND FLOOR
 1/8" = 1'-0"



CONSTRUCTION DOCS



DRAWING TITLE

**ELECTRICAL LIGHTING
 THIRD FLOOR &
 MEZZANINE PLAN**

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As Indicated
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DRAWN BY	MO
APPROVED BY	VCM

ISSUE DATES

NO.	DATE	PURPOSE

EL1.03

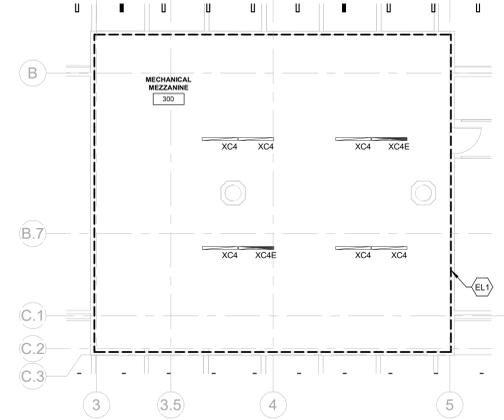
- ELECTRICAL LIGHTING KEY NOTES**
- (EL1) EXISTING LIGHTING FIXTURES IN THIS SPACE SHALL BE REMOVED, CLEANED, AND REINSTALLED WITH NEW RETROFIT LED KIT IN THE SAME PLACE. REFER TO "RETROFIT LIGHTING FIXTURE SCHEDULE" ON DRAWING E6.01. PROVIDE TESTING OF ALL RETROFIT COMPONENTS FOR PROPER FUNCTIONALITY WITH EXISTING LIGHTING CONTROLS.
 - (EL2) SOLATUBE LIGHTING PROVIDE 0-10V DIMMING CONTROL WIRING FOR THE INTEGRAL DAMPER. DAISY CHAIN ALL SOLATUBE FIXTURES. PROVIDE CONNECTION FROM NEARBY 120VAC SOURCE.
 - (EL3) EXISTING LIGHTING FIXTURES IN THIS SPACE SHALL BE REMOVED, CLEANED, AND REINSTALLED WITH NEW RETROFIT LED KIT IN THE SAME PLACE. REFER TO "RETROFIT LIGHTING FIXTURE SCHEDULE" ON DRAWING E6.01. PROVIDE TESTING OF ALL RETROFIT COMPONENTS FOR PROPER FUNCTIONALITY WITH EXISTING LIGHTING CONTROLS. RETROFIT LED DRIVERS IN THIS SPACE SHALL BE COMPATIBLE WITH 0-10V CONTROLS.
 - (EL4) SINGLE ZONE ROOM LIGHTING CONNECT POWERPACK, RELAY AND LIGHTING FIXTURES IN THE ASSOCIATED ROOM / SPACE TO EXISTING LIGHTING CIRCUITS PREVIOUSLY SERVING THIS AREA. REFER TO SINGLE-ZONE LIGHTING CONTROL DETAIL FOR ADDITIONAL ZONE CONTROL INFORMATION. PHOTOCELL ZONES SHALL BE PROGRAMMED AS SHOWN IN LIGHTING CONTROL DETAILS, WHERE APPLICABLE.
 - (EL5) MOUNT "T1" TYPE FIXTURES ON FACE OF BEAM AND TREE CASEWORK. FIXTURES SHALL BE ANGLED UP AND AWAY FROM THE BEAM TO ILLUMINATE TREE BRANCH DESIGN ABOVE.
 - (EL6) MULTI-ZONE ROOM LIGHTING CONNECT POWERPACK, RELAY AND LIGHTING FIXTURES IN THE ASSOCIATED ROOM / SPACE TO EXISTING LIGHTING CIRCUITS PREVIOUSLY SERVING THIS AREA. REFER TO MULTI-ZONE LIGHTING CONTROL DETAIL FOR ADDITIONAL ZONE CONTROL INFORMATION. PHOTOCELL ZONES SHALL BE PROGRAMMED AS SHOWN IN LIGHTING CONTROL DETAILS.
 - (EL7) MULTI-ZONE ROOM WITH PRESENTATION MODE LIGHTING CONNECT POWERPACK, RELAY AND LIGHTING FIXTURES IN THE ASSOCIATED ROOM / SPACE TO EXISTING LIGHTING CIRCUITS PREVIOUSLY SERVING THIS AREA. REFER TO MULTI-ZONE WITH PRESENTATION LIGHTING CONTROL DETAIL FOR ADDITIONAL ZONE CONTROL INFORMATION.
 - (EL8) PROVIDE 2#10 + #10G VIA 3/4" C TO AVAILABLE 20A SPARE IN PANEL "0LP". ADD CIRCUIT LABEL IN EXISTING PANELBOARD SCHEDULE.
 - (EL9) INVERTER POWER PROVISIONS CONNECT EMERGENCY LIGHTING INVERTER IN THE ASSOCIATED ROOM / SPACE TO EXISTING LIGHTING CIRCUIT PREVIOUSLY SERVING THIS AREA.
 - (EL10) CONNECT LINE VOLTAGE SWITCH, SENSOR AND LIGHTING FIXTURES IN THE ASSOCIATED ROOM / SPACE TO EXISTING LIGHTING CIRCUITS PREVIOUSLY SERVING THIS AREA.

- GENERAL NOTES - ELECTRICAL**
1. ALL CIRCUITS SHALL BE 2#12+1#12G 3/4" C. TO NEW 20A-1P CIRCUIT BREAKER IN PANEL INDICATED UNLESS NOTED OTHERWISE.
 2. ALL BRANCH CIRCUITS EXCEEDING 150' IN LENGTH SHALL BE 2#10+1#10G 3/4" C. UNLESS NOTED OTHERWISE.
 3. ALL DEVICES SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT NUMBER(S).
 4. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED ELECTRICAL DEVICES.
 5. REFER TO DRAWING E0.00 FOR ELECTRICAL SYMBOLS, LEGENDS, AND ABBREVIATIONS.
 6. PROVIDE FIRE STOPPING AND SMOKE BARRIER SEALING OF ALL PENETRATIONS THROUGH FIRE WALLS OR SMOKE BARRIERS AS REQUIRED. REFER TO ARCHITECTURAL FLOOR PLANS AND CODE SHEETS FOR WALLS.
 7. ALL RECEPTACLES LOCATED WITHIN 6' FROM SINKS SHALL BE GFCI TYPE.
 8. EXIT SIGNS SHALL BE WIRED TO LINE SIDE OF LOCAL LIGHTING BRANCH CIRCUIT, AHEAD OF ALL SWITCHING DEVICES.
 9. REFER TO LIGHTING CONTROL DETAILS FOR ADDITION INFORMATION ON BRANCH CIRCUIT WIRING REQUIREMENTS.
 10. ALL NEW POWER RECEPTACLES SHALL BE "TAMPER-PROOF" TYPE.
 11. PROVIDE 3/4" AC-PLYWOOD FOR NEW AND RELOCATED SURFACE MOUNTED PANELBOARDS, WITH 2 LAYERS OF FIRE RETARDANT PAINT COLORED GRAY.
 12. POWER AND DATA RECEPTACLES SHALL BE INSTALLED RECESSED AND FLUSHED IN THE WALL, WITH WIRING AND CONDUITS ROUTED WITHIN THE WALLS UNLESS NOTED OTHERWISE.

- LIGHTING NOTES**
1. LIGHTING CONTROLS AND SWITCH DESIGNATION
 - A. FOR AREAS THAT OVERLAP BETWEEN RETROFIT AND NEW LIGHTING, PROVIDE WIRING TO RETROFIT FIXTURES TO BE CONTROLLED UNIFORMLY USING NEW 0-10V LIGHTING CONTROLS. PROVIDE DIMMABLE DRIVERS FOR FIXTURES BEING RETROFIT IN AREAS WHERE NEW 0-10V DIMMING LIGHTING CONTROLS ARE USED.
 - B. LIGHTING SWITCHES SHALL BE USED TO CONTROL LIGHTING IN THE ROOM DENOTED NEXT TO THE SWITCH.
 - C. SWITCHES, POWER PACKS, SENSORS AND LIGHTING FIXTURES SHALL BE LIMITED TO SERVE ONLY THE SPACE THEY ARE LOCATED IN (INDEPENDENT CONTROLS).
 2. INVERTER DESIGNATION
 - A. INVERTERS SHALL BE USED TO POWER NEW EMERGENCY LIGHTING FIXTURES ONLY (TAGGED WITH "E" SUBSCRIPT) AND ONLY POWER FIXTURES IN THE ROOMS DENOTED. (REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INVERTER INFORMATION)



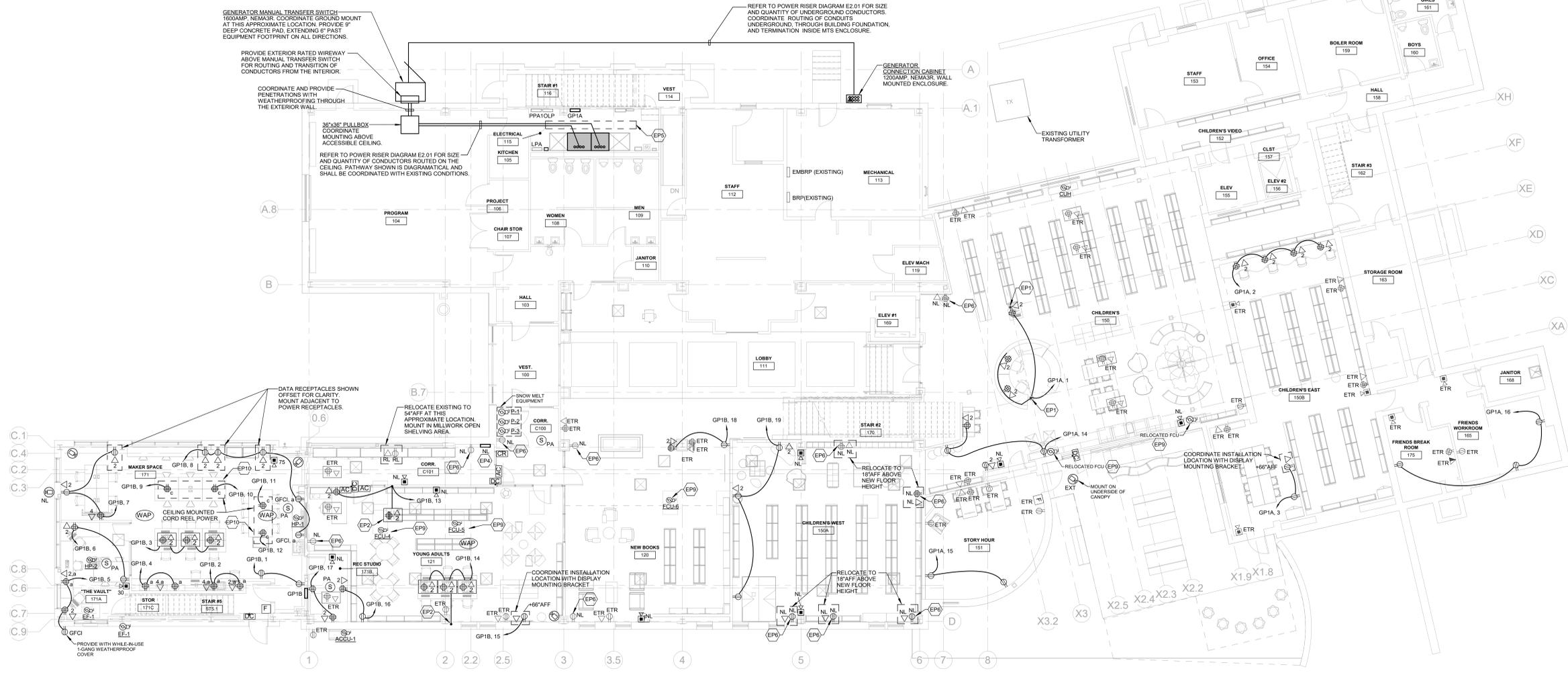
1 ELECTRICAL LIGHTING - THIRD FLOOR
 1/8" = 1'-0"



2 ELECTRICAL LIGHTING - MECH MEZZ
 1/8" = 1'-0"

- ### ELECTRICAL POWER KEY NOTES
- EP1 PROVIDE DUAL CHANNEL SURFACE MOUNTED RACEWAY FROM ACCESSIBLE CEILING DOWN THE COLUMN OR WALL AS SHOWN. TRANSITION TO SURFACE MOUNTED RACEWAY AND COORDINATE INSTALLATION ON CASEWORK FURNITURE. PROVIDE COMPATIBLE BOXES AND FACEPLATES TO MEET INTENDED LAYOUT. 120VAC AND LOW VOLTAGE DATA WIRING SHALL BE ROUTED IN SEPARATE RACEWAYS.
 - EP2 PROVIDE CONDUIT FROM ACCESSIBLE CEILING DOWN THE WALL CAVITY WHERE SHOWN ON PLANS. TRANSITION TO UNDER THE SLAB CONDUIT TO THE LOCATION OF FLOORBORES AS SHOWN ON PLANS. 120VAC AND LOW VOLTAGE DATA WIRING SHALL BE ROUTED IN SEPARATE RACEWAYS.
 - EP3 PROVIDE POKE-THRU PENETRATIONS TO FLOOR BELOW AT LOCATIONS SHOWN ON PLANS.
 - EP4 EXTENDED EXISTING FEEDERS AND BRANCH CIRCUITS TO THE NEW PANEL LOCATION. RECONNECT EXTENDED FEEDERS AND BRANCH CIRCUITS FOR CONTINUED OPERATION.
 - EP5 COORDINATE ROUTING OF CONDUITS WITH EXISTING SUSPENDED OR CEILING MOUNTED ITEMS. RELOCATE OR ADJUST LOCATION OF LIGHTING FIXTURES AS NEEDED.
 - EP6 PROVIDE 2#12-1#12G, 3/4" CIRCUT EXTENSION TO NEW RECEPTACLE LOCATION.
 - EP7 TO 20A-1P SPARE CIRCUIT BREAKER IN EXISTING PANEL 'LP1'
 - EP8 PROVIDE WITH NEW 20A-1P CIRCUIT BREAKERS COMPATIBLE WITH EXISTING PANELBOARD IF SPARE BREAKERS AS LISTED IN KEY NOTE 'EP7' ARE NOT AVAILABLE.
 - EP9 NEW LOCATION FOR EXISTING FAN COIL UNIT (FCU). EXTEND EXISTING CIRCUIT TO NEW LOCATION WITH WIRING TO MATCH EXISTING IN CONDUIT.
 - EP10 CEILING MOUNTED COORD REEL. PROVIDE "HUBBEL HBL45123R220" OR APPROVED EQUAL. PROVIDE WITH 25' CABLE AND 20 AMP PENDANT OUTLET BOX. COORDINATE MOUNTING TO CEILING AND FINAL LOCATION WITH THE ARCHITECT. ONE PER CEILING MOUNTED RECEPTACLE.
 - EP11 MOUNT ABOVE CEILING. POWER AND INFRASTRUCTURE PROVISIONS FOR FUTURE PAD FAN IN THIS AREA. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION OF JUNCTION BOXES.
 - EP12 EXTEND EXISTING DOOR CONTACT WIRING TO NEW DOOR CONTACT ASSOCIATED WITH THIS DOOR.

- ### GENERAL NOTES - ELECTRICAL
1. ALL CIRCUITS SHALL BE 2#12-1#12G, 3/4" C. TO NEW 20A-1P CIRCUIT BREAKER IN PANEL INDICATED UNLESS NOTED OTHERWISE.
 2. ALL BRANCH CIRCUITS EXCEEDING 150' IN LENGTH SHALL BE 2#10-1#10G, 3/4" C UNLESS NOTED OTHERWISE.
 3. ALL DEVICES SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT NUMBER(S).
 4. REFER TO ARCHITECTS REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED ELECTRICAL DEVICES.
 5. REFER TO DRAWING E0.00 FOR ELECTRICAL SYMBOLS, LEGENDS, AND ABBREVIATIONS.
 6. PROVIDE FIRE STOPPING AND SMOKE BARRIER SEALING OF ALL PENETRATIONS THROUGH FIRE WALLS OR SMOKE BARRIERS AS REQUIRED. REFER TO ARCHITECTURAL FLOOR PLANS AND CODE SHEETS FOR WALLS.
 7. ALL RECEPTACLES LOCATED WITHIN 6' FROM SINKS SHALL BE GFCI TYPE.
 8. EXIT SIGNS SHALL BE WIRED TO LINE SIDE OF LOCAL LIGHTING BRANCH CIRCUIT, AHEAD OF ALL SWITCHING DEVICES.
 9. REFER TO LIGHTING CONTROL DETAILS FOR ADDITION INFORMATION ON BRANCH CIRCUIT WIRING REQUIREMENTS.
 10. ALL NEW POWER RECEPTACLES SHALL BE "TAMPER-PROOF" TYPE.
 11. PROVIDE 3/4" AC-PLYWOOD FOR NEW AND RELOCATED SURFACE MOUNTED PANELBOARDS, WITH 2 LAYERS OF FIRE RETARDANT PAINT COLORED GRAY.
 12. POWER AND DATA RECEPTACLES SHALL BE INSTALLED RECESSED AND FLUSHED IN THE WALL, WITH WIRING AND CONDUITS ROUTED WITHIN THE WALL CAVITY UNLESS NOTED OTHERWISE.



1 ELECTRICAL POWER - FIRST FLOOR
1/8" = 1'-0"

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CONSTRUCTION DOCS

KEY PLAN

WELLES TURNER MEMORIAL LIBRARY

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ELECTRICAL POWER FIRST FLOOR PLAN

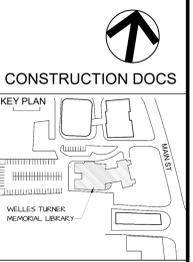
GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As Indicated
DATE	6.1.2020
DRAWN BY	MO
APPROVED BY	VCN

ISSUE DATES

NO.	DATE	PURPOSE

EP1.01

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ELECTRICAL POWER SECOND FLOOR PLAN

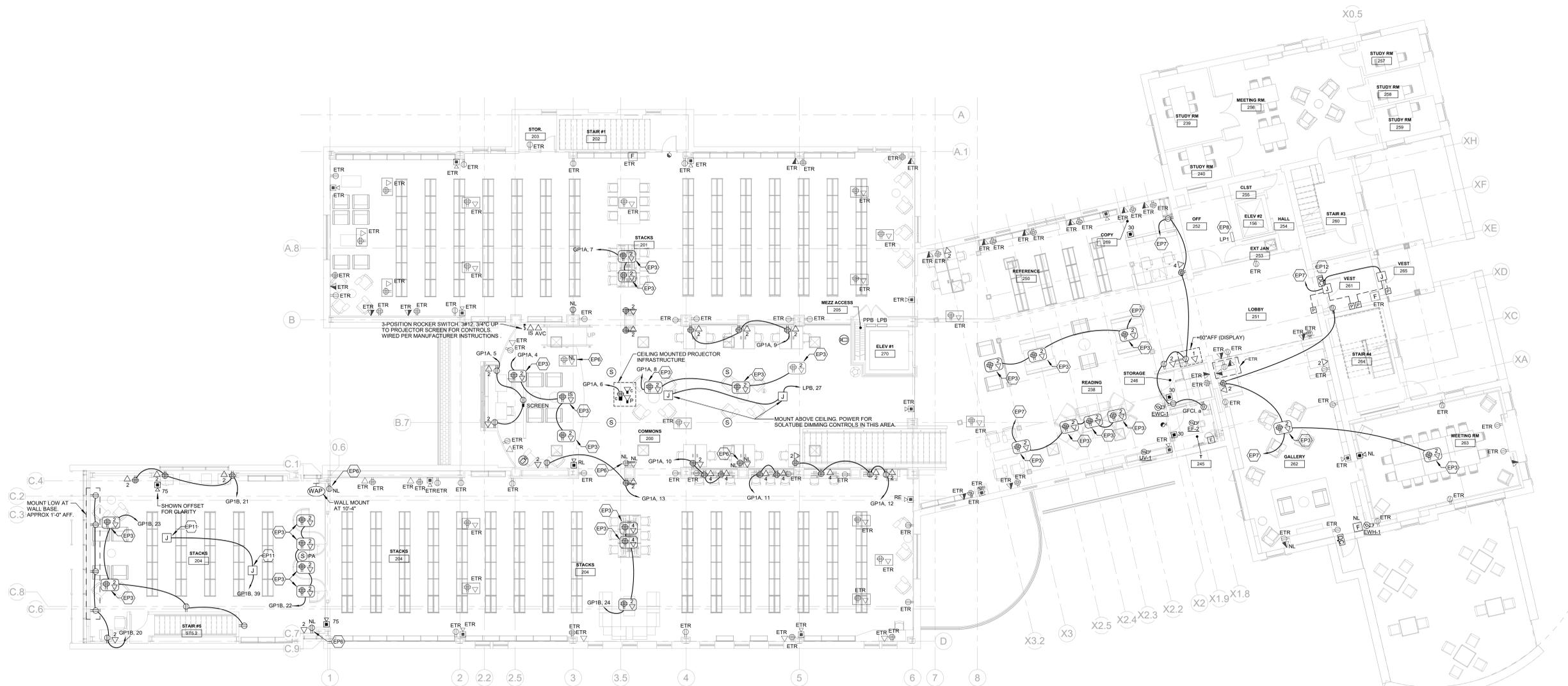
GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	As Indicated
DATE	6.1.2020
DRAWN BY	MO
APPROVED BY	VCN

ISSUE DATES		
NO.	DATE	PURPOSE

EP1.02

- ELECTRICAL POWER KEY NOTES**
- EP1 PROVIDE DUAL CHANNEL SURFACE MOUNTED RACEWAY FROM ACCESSIBLE CEILING DOWN THE COLUMN OR WALL AS SHOWN. TRANSITION TO SURFACE MOUNTED RACEWAY AND COORDINATE INSTALLATION ON CASEWORK FURNITURE. PROVIDE COMPATIBLE BOXES AND FACILITATES TO MEET INTENDED LAYOUT. 120VAC AND LOW VOLTAGE DATA WIRING SHALL BE ROUTED IN SEPARATE RACEWAYS.
 - EP2 PROVIDE CONDUIT FROM ACCESSIBLE CEILING DOWN THE WALL CAVITY WHERE SHOWN ON PLANS. TRANSITION TO UNDER THE SLAB CONDUIT TO THE LOCATION OF FLOORBOXES AS SHOWN ON PLANS. 120VAC AND LOW VOLTAGE DATA WIRING SHALL BE ROUTED IN SEPARATE RACEWAYS.
 - EP3 PROVIDE POKE-THRU PENETRATIONS TO FLOOR BELOW AT LOCATIONS SHOWN ON PLANS.
 - EP4 EXTENDED EXISTING FEEDERS AND BRANCH CIRCUITS TO THE NEW PANEL LOCATION. RECONNECT EXTENDED FEEDERS AND BRANCH CIRCUITS FOR CONTINUED OPERATION.
 - EP5 COORDINATE ROUTING OF CONDUITS WITH EXISTING SUSPENDED OR CEILING MOUNTED ITEMS. RELOCATE OR ADJUST LOCATION OF LIGHTING FIXTURES AS NEEDED.
 - EP6 PROVIDE 2#12-1#12G,3#4°C CIRCUIT EXTENSION TO NEW RECEPTACLE LOCATION.
 - EP7 TO 20A-1P SPARE CIRCUIT BREAKER IN EXISTING PANEL L#1*
 - EP8 PROVIDE WITH NEW 20A-1P CIRCUIT BREAKERS COMPATIBLE WITH EXISTING PANELBOARD IF SPARE BREAKERS AS LISTED IN KEY NOTE EP7 ARE NOT AVAILABLE.
 - EP9 NEW LOCATION FOR EXISTING FAN COIL UNIT (FCU). EXTEND EXISTING CIRCUIT TO NEW LOCATION WITH WIRING TO MATCH EXISTING IN CONDUIT.
 - EP10 CEILING MOUNTED CORD REEL. PROVIDE "HUBBEL HBL45123R220" OR APPROVED EQUAL. PROVIDE WITH 25' CABLE AND 20 AMP PENDANT OUTLET BOX. COORDINATE MOUNTING TO CEILING AND FINAL LOCATION WITH THE ARCHITECT. ONE PER CEILING MOUNTED RECEPTACLE.
 - EP11 MOUNT ABOVE CEILING. POWER AND INFRASTRUCTURE PROVISIONS FOR FUTURE PADDLE FAN IN THIS AREA. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION OF JUNCTION BOXES.
 - EP12 EXTEND EXISTING DOOR CONTACT WIRING TO NEW DOOR CONTACT ASSOCIATED WITH THIS DOOR.

- GENERAL NOTES - ELECTRICAL**
1. ALL CIRCUITS SHALL BE 2#12-1#12G,3#4°C. TO NEW 20A-1P CIRCUIT BREAKER IN PANEL INDICATED UNLESS NOTED OTHERWISE.
 2. ALL BRANCH CIRCUITS EXCEEDING 150' IN LENGTH SHALL BE 2#10-1#10G,3#4°C UNLESS NOTED OTHERWISE.
 3. ALL DEVICES SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT NUMBER(S).
 4. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED ELECTRICAL DEVICES.
 5. REFER TO DRAWING ED.00 FOR ELECTRICAL SYMBOLS, LEGENDS, AND ABBREVIATIONS.
 6. PROVIDE FIRE STOPPING AND SMOKE BARRIER SEALING OF ALL PENETRATIONS THROUGH FIRE WALLS OR SMOKE BARRIERS AS REQUIRED. REFER TO ARCHITECTURAL FLOOR PLANS AND CODE SHEETS FOR WALLS.
 7. ALL RECEPTACLES LOCATED WITHIN 6" FROM SINKS SHALL BE GFCI TYPE.
 8. EXIT SIGNS SHALL BE WIRED TO LINE SIDE OF LOCAL LIGHTING BRANCH CIRCUIT. AHEAD OF ALL SWITCHING DEVICES.
 9. REFER TO LIGHTING CONTROL DETAILS FOR ADDITION INFORMATION ON BRANCH CIRCUIT WIRING REQUIREMENTS.
 10. ALL NEW POWER RECEPTACLES SHALL BE "TAMPER-PROOF" TYPE.
 11. PROVIDE 3/4" AC-PLYWOOD FOR NEW AND RELOCATED SURFACE MOUNTED PANELBOARDS. WITH 2 LAYERS OF FIRE RETARDANT PAINT COLORED GRAY.
 12. POWER AND DATA RECEPTACLES SHALL BE INSTALLED RECESSED AND FLUSHED IN THE WALL, WITH WIRING AND CONDUITS ROUTED WITHIN THE WALL CAVITY UNLESS NOTED OTHERWISE.



1 ELECTRICAL POWER - SECOND FLOOR
1/8" = 1'-0"

SINGLE PHASE FEEDER SCHEDULE

COPPER CONDUCTORS

CIRCUIT SYMBOL	CONDUCTORS (1 PH, 2W) WITH GROUND	CONDUIT SIZE	CONDUCTORS (1 PH, 3W) WITH GROUND	CONDUIT SIZE	OVERCURRENT RATING
(15A)	2#12 & 1#12G	3/4"	3#12 & 1#12G	3/4"	15A
(2A)	2#12 & 1#12G	3/4"	3#12 & 1#12G	3/4"	20A
(25A)	2#10 & 1#10G	3/4"	3#10 & 1#10G	3/4"	25A
(3A)	2#10 & 1#10G	3/4"	3#10 & 1#10G	3/4"	30A
(35A)	2#8 & 1#10G	3/4"	3#8 & 1#10G	3/4"	35A
(4A)	2#8 & 1#10G	3/4"	3#8 & 1#10G	3/4"	40A
(45A)	2#8 & 1#10G	3/4"	3#8 & 1#10G	3/4"	45A
(5A)	2#8 & 1#10G	3/4"	3#8 & 1#10G	1"	50A
(6A)	2#8 & 1#10G	3/4"	3#8 & 1#10G	1"	60A
(7A)	2#4 & 1#8G	1"	3#4 & 1#8G	1 1/4"	70A
(8A)	2#4 & 1#8G	1"	3#4 & 1#8G	1 1/4"	80A
(9A)	2#3 & 1#8G	1 1/4"	3#3 & 1#8G	1 1/4"	90A
(10A)	2#3 & 1#8G	1 1/4"	3#3 & 1#8G	1 1/4"	100A
(11A)	-	-	3#2 & 1#8G	1 1/4"	110A
(12A)	-	-	3#1 & 1#8G	1 1/2"	125A
(15A)	-	-	3#10 & 1#8G	2"	150A
(17A)	-	-	3#20 & 1#8G	2"	175A
(20A)	-	-	3#30 & 1#8G	2"	200A
(22A)	-	-	3#40 & 1#4G	2 1/2"	225A
(25A)	-	-	3#250KCMIL & 1#4G	3"	250A
(30A)	-	-	3#350KCMIL & 1#4G	3"	300A
(35A)	-	-	3#500KCMIL & 1#3G	3 1/2"	350A
(40A)	-	-	3#500KCMIL & 1#3G	4"	400A
(45A)	-	-	2 SETS OF 3#40 & 1#2G	(2) 2 1/2"	450A
(50A)	-	-	2 SETS OF 3#250KCMIL & 1#2G	(2) 3"	500A
(60A)	-	-	2 SETS OF 3#350KCMIL & 1#1G	(2) 3"	600A
(70A)	-	-	2 SETS OF 3#500KCMIL & 1#10G	(2) 4"	700A
(80A)	-	-	2 SETS OF 3#500KCMIL & 1#10G	(2) 4"	800A
(90A)	-	-	3 SETS OF 3#350KCMIL & 1#20G	(3) 3"	900A
(100A)	-	-	3 SETS OF 3#500KCMIL & 1#20G	(3) 4"	1000A
(200A)	-	-	4 SETS OF 3#350KCMIL & 1#30G	(4) 3"	1200A

NOTES:

- CONDUIT SIZES ARE BASED ON THE NEC ANNEX C TABLES FOR EMT/SCH 40 WITH THHN/THWN CONDUCTORS. CONDUCTOR SIZES USED IN CONDUIT CALCULATION ARE BASED ON THE SIZE OF THE HOT CONDUCTORS OF CIRCUIT. EXAMPLE: 40A 1PH, 3W CONDUIT SIZE IS BASED ON 3#8 + 1#8G + 1#8 SPACE. FOR ACTUAL WIRE INSTALL USE QUANTITY AND SIZES WITHIN SCHEDULE.
 - UNLESS OTHERWISE INDICATED, CONDUCTOR SIZING SHALL MATCH THE SIZE INDICATED ABOVE FOR THE APPLICABLE OVERCURRENT DEVICE. PROVIDE LARGER CIRCUIT WHERE INDICATED.
 - PROVIDE MINIMUM SIZE CONDUIT INDICATED IN THE SPECIFICATIONS OR ON THE DRAWINGS.
 - PROVIDE A 3-WIRE CIRCUIT UNLESS DEVICE SERVED DOES NOT HAVE PROVISIONS FOR A NEUTRAL.
 - MINIMUM SIZE CONDUIT UNDERGROUND IS 4 INCH EXCEPT FOR SITE BRANCH CIRCUITS SUCH AS LIGHTING AND MISCELLANEOUS POWER AND SYSTEMS WHICH SHALL BE A MINIMUM OF 1 INCH.
 - PROVIDE TYPE OF RACEWAY OR CABLE AS INDICATED IN THE SPECIFICATIONS OR ON THE DRAWINGS.
 - REFER TO PANELBOARD SCHEDULES AND ONE-LINE RISER DIAGRAM FOR CONDUCTOR AND CONDUIT SIZE REQUIREMENTS.
- ALL CONDUCTOR SIZES ARE BASED ON 75°C (167°F). ALL EQUIPMENT CONNECTED TO WIRES SHALL BE RATED OR 75°C (167°F)
- * 500KCMIL CONDUCTORS ARE ONLY RATED FOR 380AMPS EACH

THREE PHASE FEEDER SCHEDULE

COPPER CONDUCTORS

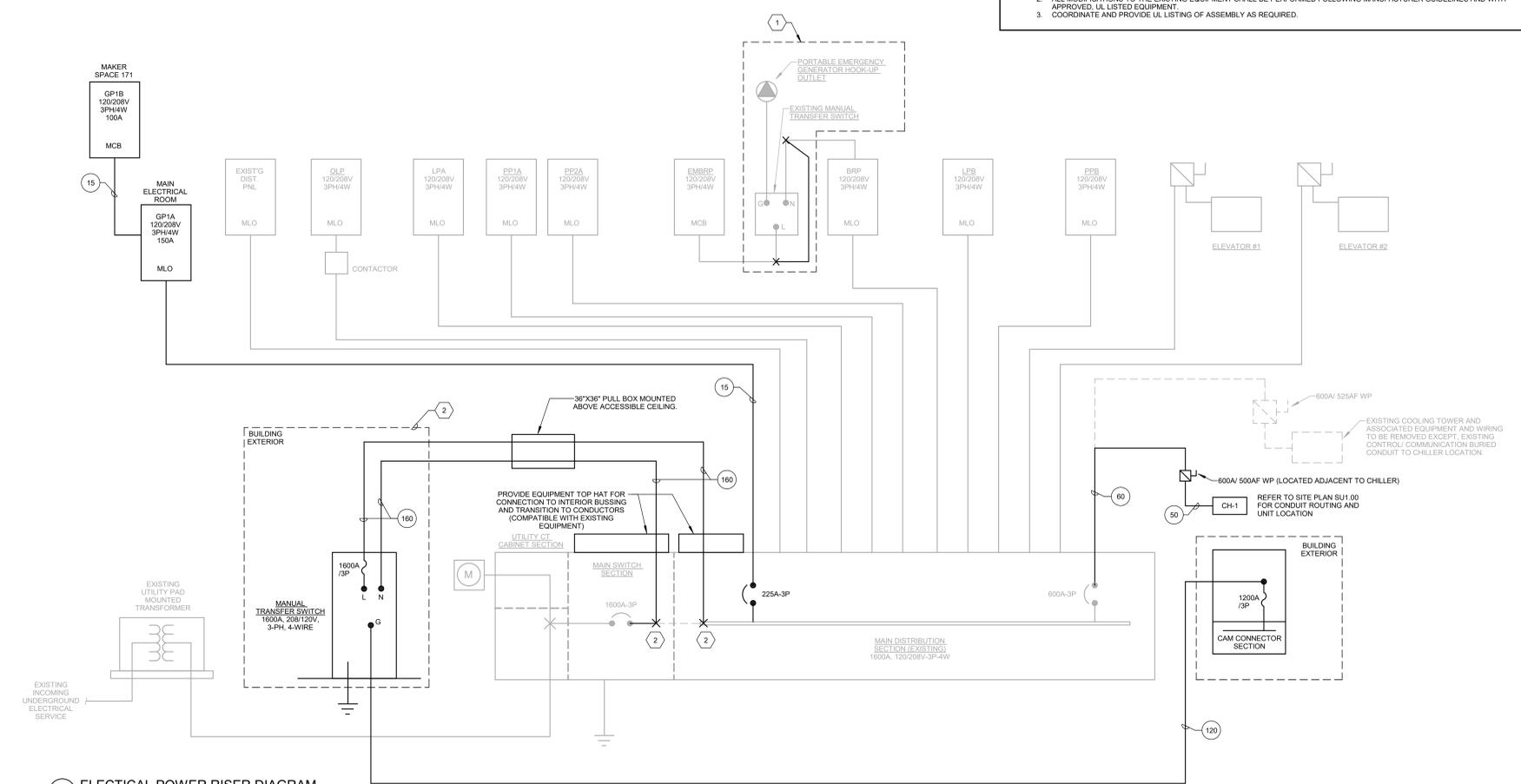
CIRCUIT SYMBOL	CONDUCTORS (3 PH, 3W) WITH GROUND	CONDUIT SIZE	CONDUCTORS (3 PH, 4W) WITH GROUND	CONDUIT SIZE	OVERCURRENT RATING
(1)	3#12 & 1#12G	3/4"	4#12 & 1#12G	3/4"	15A
(2)	3#12 & 1#12G	3/4"	4#12 & 1#12G	3/4"	20A
(2.5)	3#10 & 1#10G	3/4"	4#10 & 1#10G	3/4"	25A
(3)	3#10 & 1#10G	3/4"	4#10 & 1#10G	3/4"	30A
(3.5)	3#8 & 1#10G	3/4"	4#8 & 1#10G	3/4"	35A
(4)	3#8 & 1#10G	3/4"	4#8 & 1#10G	1"	40A
(4.5)	3#8 & 1#10G	3/4"	4#8 & 1#10G	1"	45A
(5)	3#8 & 1#10G	1"	4#8 & 1#10G	1"	50A
(6)	3#8 & 1#10G	1"	4#8 & 1#10G	1"	60A
(7)	3#4 & 1#8G	1 1/4"	4#4 & 1#8G	1 1/4"	70A
(8)	3#4 & 1#8G	1 1/4"	4#4 & 1#8G	1 1/4"	80A
(9)	3#3 & 1#8G	1 1/4"	4#3 & 1#8G	1 1/4"	90A
(10)	3#3 & 1#8G	1 1/4"	4#3 & 1#8G	1 1/4"	100A
(11)	3#2 & 1#8G	1 1/4"	4#2 & 1#8G	1 1/2"	110A
(12)	3#1 & 1#8G	1 1/2"	4#1 & 1#8G	2"	125A
(15)	3#10 & 1#8G	2"	4#10 & 1#8G	2"	150A
(17)	3#20 & 1#8G	2"	4#20 & 1#8G	2"	175A
(20)	3#30 & 1#8G	2"	4#30 & 1#8G	2 1/2"	200A
(22)	3#40 & 1#4G	2 1/2"	4#40 & 1#4G	2 1/2"	225A
(25)	3#250KCMIL & 1#4G	3"	4#250KCMIL & 1#4G	3"	250A
(30)	3#350KCMIL & 1#4G	3"	4#350KCMIL & 1#4G	4"	300A
(35)	3#500KCMIL & 1#3G	4"	4#500KCMIL & 1#3G	4"	350A
(40)	3#600KCMIL & 1#3G	4"	4#600KCMIL & 1#3G	4"	400A
(45)	(2)3#40 & 1#2G	(2) 2 1/2"	2 SETS OF 4#40 & 1#2G	(2) 2 1/2"	450A
(50)	(2)3#250KCMIL & 1#2G	(2) 3"	2 SETS OF 4#250KCMIL & 1#2G	(2) 3"	500A
(60)	(2)3#350KCMIL & 1#1G	(2) 3"	2 SETS OF 4#350KCMIL & 1#1G	(2) 4"	600A
(70)	(2)3#500KCMIL & 1#10G	(2) 4"	2 SETS OF 4#500KCMIL & 1#10G	(2) 4"	700A
(80)	(2)3#600KCMIL & 1#10G	(2) 4"	2 SETS OF 4#600KCMIL & 1#10G	(2) 4"	800A
(90)	(3)3#350KCMIL & 1#20G	(3) 3"	3 SETS OF 4#350KCMIL & 1#20G	(3) 4"	900A
(100)	(3)3#500KCMIL & 1#20G	(3) 4"	3 SETS OF 4#500KCMIL & 1#20G	(3) 4"	1000A
(120)	(4)3#350KCMIL & 1#30G	(4) 3"	4 SETS OF 4#350KCMIL & 1#30G	(4) 4"	1200A
(160)	(4)3#600KCMIL & 1#40G	(4) 3"	4 SETS OF 4#600KCMIL & 1#40G	(4) 4"	1600A

NOTES:

- CONDUIT SIZES ARE BASED ON THE NEC ANNEX C TABLES FOR EMT/SCH 40 WITH THHN/THWN CONDUCTORS. CONDUCTOR SIZES USED IN CONDUIT CALCULATION ARE BASED ON THE SIZE OF THE HOT CONDUCTORS OF CIRCUIT. EXAMPLE: 40A 3PH, 4W CONDUIT SIZE IS BASED ON 4#8 + 1#8G + 1#8 SPACE. FOR ACTUAL WIRE INSTALL USE QUANTITY AND SIZES WITHIN SCHEDULE.
- UNLESS OTHERWISE INDICATED, CONDUCTOR SIZING SHALL MATCH THE SIZE INDICATED ABOVE FOR THE APPLICABLE OVERCURRENT DEVICE. PROVIDE LARGER CIRCUIT WHERE INDICATED.
- PROVIDE MINIMUM SIZE CONDUIT INDICATED IN THE SPECIFICATIONS OR ON THE DRAWINGS.
- PROVIDE A 4-WIRE CIRCUIT UNLESS DEVICE SERVED DOES NOT HAVE PROVISIONS FOR A NEUTRAL.
- PROVIDE TYPE OF RACEWAY OR CABLE AS INDICATED IN THE SPECIFICATIONS OR ON THE DRAWINGS.
- REFER TO PANELBOARD SCHEDULES AND ONE-LINE RISER DIAGRAM DRAWINGS FOR CONDUCTOR AND CONDUIT SIZE REQUIREMENTS.
- ALL CONDUCTOR SIZES ARE BASED ON 75°C (167°F). ALL EQUIPMENT CONNECTED TO WIRES SHALL BE RATED OR 75°C (167°F)

ELECTRICAL POWER RISER KEY NOTES

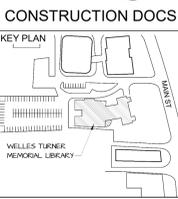
- REMOVAL OF EXISTING GENERATOR CONNECTION EQUIPMENT**
1. DISCONNECT AND REMOVE ALL EQUIPMENT ASSOCIATED WITH THE EXISTING GENERATOR CONNECTION, INCLUDING BUT NOT LIMITED TO EXTERIOR CONNECTION, BOXES, AND MANUAL TRANSFER SWITCH. EXISTING CONDUIT PATHWAY TO REMAIN. CAP AND MAKE SAFE.
2. UPON REMOVAL OF THE EXISTING MANUAL TRANSFER SWITCH, PROVIDE SPLICING, EXTENSION, AND CONNECTION OF FEEDER FROM PANELBOARD "EMBRP" TO PANELBOARD "BRP". FEEDER EXTENSIONS SHALL BE SIZED NO LESS THAN 4#1-1#8G, 3/4".
- TIE-IN TO EXISTING SWITCHBOARD AND DISTRIBUTION EQUIPMENT**
1. PROVIDE DISCONNECTION OF EXISTING BUSING AND PROVIDE TAPS VIA EQUIPMENT TOP HAT.
2. ALL MODIFICATIONS TO THE EXISTING EQUIPMENT SHALL BE PERFORMED FOLLOWING MANUFACTURER GUIDELINES AND WITH APPROVED, UL LISTED EQUIPMENT.
3. COORDINATE AND PROVIDE UL LISTING OF ASSEMBLY AS REQUIRED.



1 ELECTRICAL POWER RISER DIAGRAM
1/8" = 1'-0"

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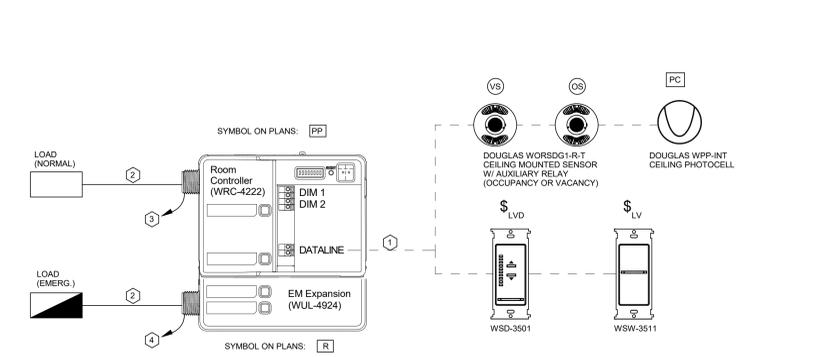
DRAWING TITLE
 ELECTRICAL POWER RISER DIAGRAM

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	N.T.S.
DATE	6.1.2020
DRAWN BY	MO
APPROVED BY	VCN

ISSUE DATES

NO.	DATE	PURPOSE

E2.01



SEQUENCE OF OPERATIONS:

- ROOM OCCUPANCY SENSORS SHALL BE SET FOR AUTO ON, AUTO OFF OPERATION, TIMEOUT AFTER 30 MINUTES.
- ROOM VACANCY SENSORS SHALL BE SET FOR MANUAL ON, AUTO OFF OPERATION, TIMEOUT AFTER 30 MINUTES.
- MANUAL ON/OFF VIA LOCAL "LV" AND "LVD" KEYPADS.
- DIMMING VIA LOCAL "LV" KEYPADS.
- WHERE PHOTOCELL IS INDICATED ON PLANS, ZONE SHALL HAVE AUTOMATIC DIMMING VIA PHOTOCELL AND SHALL CAP MAXIMUM LIGHT LEVEL OF 50 FOOT-CANDELES IN THIS ZONE.

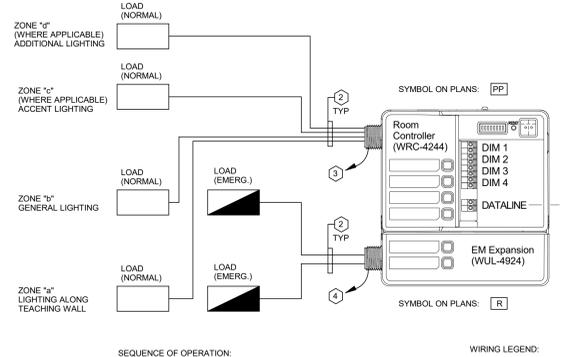
WIRING LEGEND:

- 18/2 DATALINE CABLE
- 2#12 + #12G (SWITCHED HOT/NEUTRAL) AND 2#18 AWG (0-10V +/-)
- 2#12 + #12 GND. TO NORMAL POWER FEED INDICATED ON FLOOR PLANS.
- 2#12 + #12 GND. TO EMERGENCY POWER FEED INDICATED ON FLOOR PLANS. PROVIDE 2#12 TO LINE SIDE OF NORMAL LIGHTING CIRCUIT FOR SENSING FEED.

GENERAL NOTES:

- BASIS OF DESIGN IS DOUGLAS DALOG.
- PROVIDE FACTORY ENGRAVING ON ALL WALL SWITCHES AND ROOM CONTROLLER BUTTONS AS INDICATED IN DETAIL.
- PROVIDE FACTORY COMMISSIONING OF ALL SENSORS, PHOTOCELLS AND CONTROLS. REFER TO FLOOR PLANS FOR EXACT LIGHTING FIXTURES ON EACH ZONE, AND QUANTITY AND LOCATION OF ALL DEVICES.
- ROOM VACANCY SENSORS SHALL BE SET FOR MANUAL ON/AUTO OFF. THE DELAY SHALL BE SET AT 30 MINUTES.
- SENSORS SHALL BE PROVIDED WITH AUXILIARY RELAY OPTION FOR CONNECTION TO BMS BY DIVISION 23 CONTRACTOR.

* ZONES MAINTAINED BY DAYLIGHT HARVESTING. PHOTOCELL SHALL MAINTAIN A MAXIMUM LIGHT LEVEL OF 50 FC.



SEQUENCE OF OPERATION:

- MAIN CONTROL STATION TO BE PROGRAMMED AS FOLLOWS:
KEYPAD 1 - LABEL "FRONT" - CONTROLS ZONES "a" & "b"
KEYPAD 2 - LABEL "BACK" - CONTROLS ZONES "c" & "c"
- EACH ENTRY KEYPAD TO BE PROGRAMMED AS FOLLOWS:
LABEL "LIGHTS ON/OFF" - PRESS TO TURN ON/OFF ALL LIGHTS
- ROOM VACANCY SENSORS SHALL BE SET FOR MANUAL ON/AUTO OFF. THE DELAY SHALL BE SET AT 30 MINUTES.

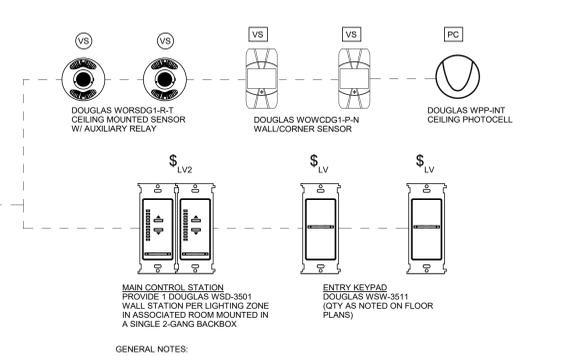
* ZONES MAINTAINED BY DAYLIGHT HARVESTING. PHOTOCELL SHALL MAINTAIN A MAXIMUM LIGHT LEVEL OF 50 FC.

WIRING LEGEND:

- 18/2 DATALINE CABLE
- 2#12 + #12G (SWITCHED HOT/NEUTRAL) AND 2#18 AWG (0-10V +/-)
- 2#12 + #12 GND. TO NORMAL POWER FEED INDICATED ON FLOOR PLANS.
- 2#12 + #12 GND. TO EMERGENCY POWER FEED INDICATED ON FLOOR PLANS. PROVIDE 2#12 TO LINE SIDE OF NORMAL LIGHTING CIRCUIT FOR SENSING FEED.

GENERAL NOTES:

- BASIS OF DESIGN IS DOUGLAS DALOG.
- PROVIDE FACTORY ENGRAVING ON ALL WALL SWITCHES AND ROOM CONTROLLER BUTTONS AS INDICATED IN DETAIL.
- PROVIDE FACTORY COMMISSIONING OF ALL SENSORS, PHOTOCELLS AND CONTROLS. REFER TO FLOOR PLANS FOR EXACT LIGHTING FIXTURES ON EACH ZONE, AND QUANTITY AND LOCATION OF ALL DEVICES.
- SENSORS SHALL BE PROVIDED WITH AUXILIARY RELAY OPTION FOR CONNECTION TO BMS BY DIVISION 23 CONTRACTOR.

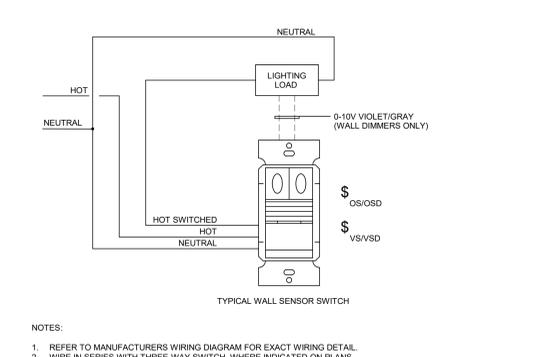


NOTES:

- REFER TO MANUFACTURERS WIRING DIAGRAM FOR EXACT WIRING DETAIL.
- WIRE IN SERIES WITH THREE-WAY SWITCH, WHERE INDICATED ON PLANS.
- PROVIDE 0-10V WIRING FROM WALL DIMMERS, WHERE INDICATED ON PLANS.
- LIGHTING SHALL TIME OUT AFTER 30 MINUTES.

TYPICAL SPECIFICATIONS:

- "OS" OCCUPANCY SENSOR SWITCH: DOUGLAS DIVERSA WOSSDU1-P-WV OR EQUAL (SET TO AUTO-ON, AUTO-OFF MODE)
- "OSD" OCCUPANCY SENSOR 0-10V DIMMER: DOUGLAS DIVERSA SWX-131-D OR EQUAL (SET TO AUTO-ON, AUTO-OFF MODE)
- "VS" VACANCY SENSOR SWITCH: DOUGLAS DIVERSA WVSU1-P-WV OR EQUAL (SET TO MANUAL-ON, AUTO-OFF MODE)
- "VSD" VACANCY SENSOR 0-10V DIMMER: DOUGLAS DIVERSA SWX-131-D OR EQUAL (SET TO MANUAL-ON, AUTO-OFF MODE)



NOTES:

- REFER TO MANUFACTURERS WIRING DIAGRAM FOR EXACT WIRING DETAIL.
- WIRE IN SERIES WITH THREE-WAY SWITCH, WHERE INDICATED ON PLANS.
- PROVIDE 0-10V WIRING FROM WALL DIMMERS, WHERE INDICATED ON PLANS.
- LIGHTING SHALL TIME OUT AFTER 30 MINUTES.

TYPICAL SPECIFICATIONS:

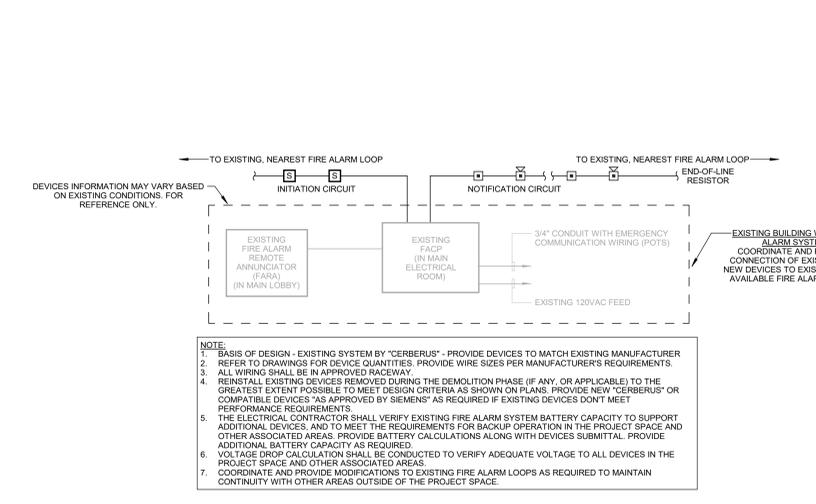
- "OS" OCCUPANCY SENSOR SWITCH: DOUGLAS DIVERSA WOSSDU1-P-WV OR EQUAL (SET TO AUTO-ON, AUTO-OFF MODE)
- "OSD" OCCUPANCY SENSOR 0-10V DIMMER: DOUGLAS DIVERSA SWX-131-D OR EQUAL (SET TO AUTO-ON, AUTO-OFF MODE)
- "VS" VACANCY SENSOR SWITCH: DOUGLAS DIVERSA WVSU1-P-WV OR EQUAL (SET TO MANUAL-ON, AUTO-OFF MODE)
- "VSD" VACANCY SENSOR 0-10V DIMMER: DOUGLAS DIVERSA SWX-131-D OR EQUAL (SET TO MANUAL-ON, AUTO-OFF MODE)

1 TYPICAL 1-ZONE LIGHTING CONTROL DETAIL WITH EMERGENCY NTS

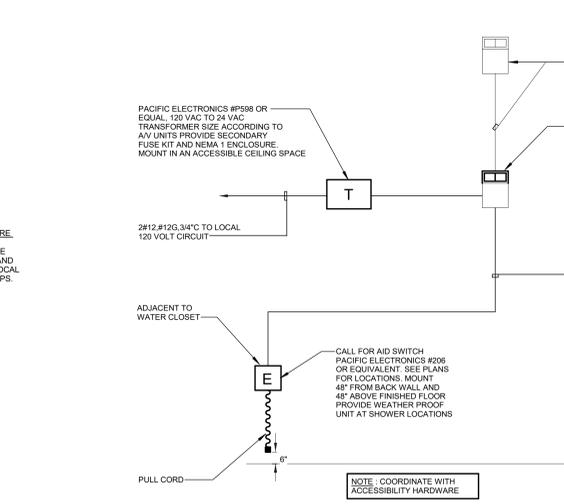
2 TYPICAL MULTI-ZONE LIGHTING CONTROL DETAIL WITH EMERGENCY NTS

3 TYPICAL OCCUPANCY SENSING SWITCH LIGHTING CONTROL DETAIL NTS

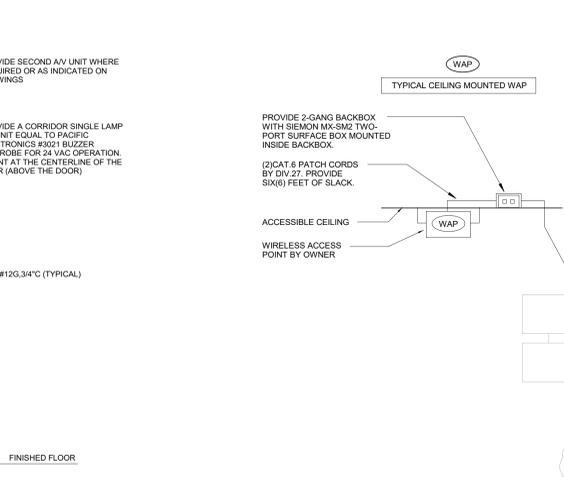
4 TYPICAL WALL SENSOR SWITCH



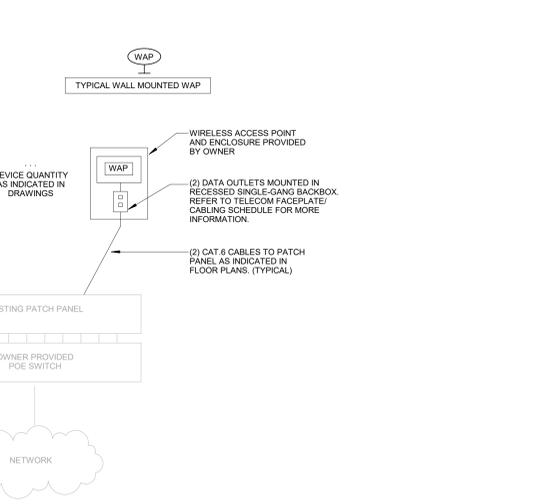
4 FIRE ALARM RISER DIAGRAM NTS



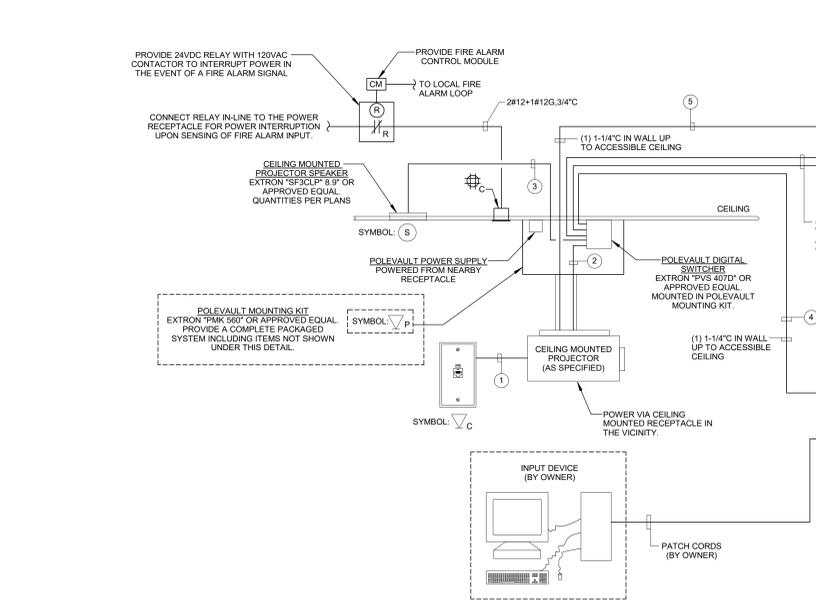
5 EMERGENCY CALL-FOR-AID SYSTEM SCHEMATIC NTS



6 WIRELESS NETWORKING DETAIL NTS



7 AUDIOVISUAL SYSTEM DETAIL - POLEVAULT NTS



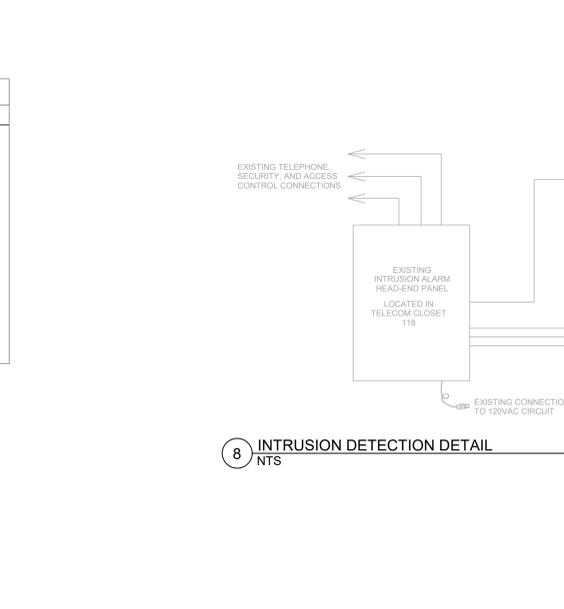
8 INTRUSION DETECTION DETAIL NTS

TAG	DESCRIPTION	TERMINATIONS
1	CAT. 6 UTP PATCH CORD, 3 FT.	PRE-TERMINATED
2	HDMI PATCH CORD, MALE TO MALE, 6 FT. C2G MODEL # 50182 OR APPROVED EQUAL.	PRE-TERMINATED
3	AUDIO CABLE, EXTRON "SPK 1" 18" OR APPROVED EQUAL, RECOMMENDED FOR PROPER DEVICE FUNCTIONALITY. LENGTH AS REQUIRED. ROUTE IN 1".	PRE-TERMINATED
4	SHIELDED DIGITAL TWISTED PAIR CABLE, LENGTH AS REQUIRED, EXTRON "XTP-DTP-24" OR COMPATIBLE EQUAL.	PRE-TERMINATED
5	RS-232 CABLE, EXTRON "232 SERIES" OR APPROVED EQUAL, LENGTH AS REQUIRED BASED ON PROJECTOR LOCATION.	PRE-TERMINATED
6	RS-232 CABLE, EXTRON "232 SERIES" OR APPROVED EQUAL, LENGTH AS REQUIRED BASED ON SWITCHER LOCATION.	PRE-TERMINATED
7	CAT. 6 UTP PATCH CORD, LENGTH AS REQUIRED BASED ON SWITCHER LOCATION.	PRE-TERMINATED

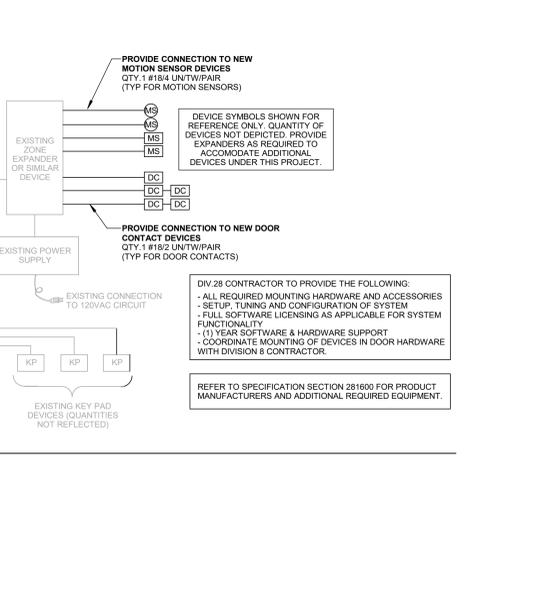
GENERAL NOTES:

- REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITY OF DEVICES. COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.
- INSTALLATION SHALL BE COMPLETE INCLUDING ALL MOUNTING HARDWARE, ACCESSORIES AND SUPPORTS REQUIRED BY MANUFACTURER.
- CONTRACTOR IS RESPONSIBLE FOR SYSTEM SETUP, TUNING AND CONFIGURATION.
- WIRING SHOWN IS DIAGRAMMATIC. CONTRACTOR SHALL PROVIDE LENGTHS AND TYPES OF AUDIOVISUAL/CONTROL WIRING AS REQUIRED BY MANUFACTURER.
- REFER TO SPECIFICATIONS FOR PRODUCT MANUFACTURERS AND ADDITIONAL, REQUIRED EQUIPMENT.

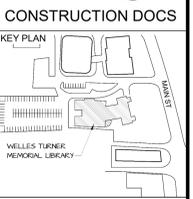
7 AUDIOVISUAL SYSTEM DETAIL - POLEVAULT NTS



9 AUDIOVISUAL SYSTEM DETAIL - POLEVAULT NTS



10 INTRUSION DETECTION DETAIL NTS

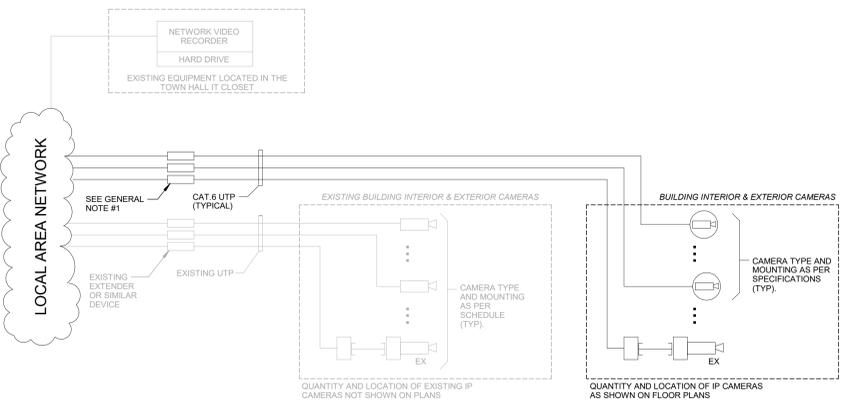


KEY PLAN

DRAWING TITLE

ELECTRICAL DETAILS

NO.	DATE	PURPOSE

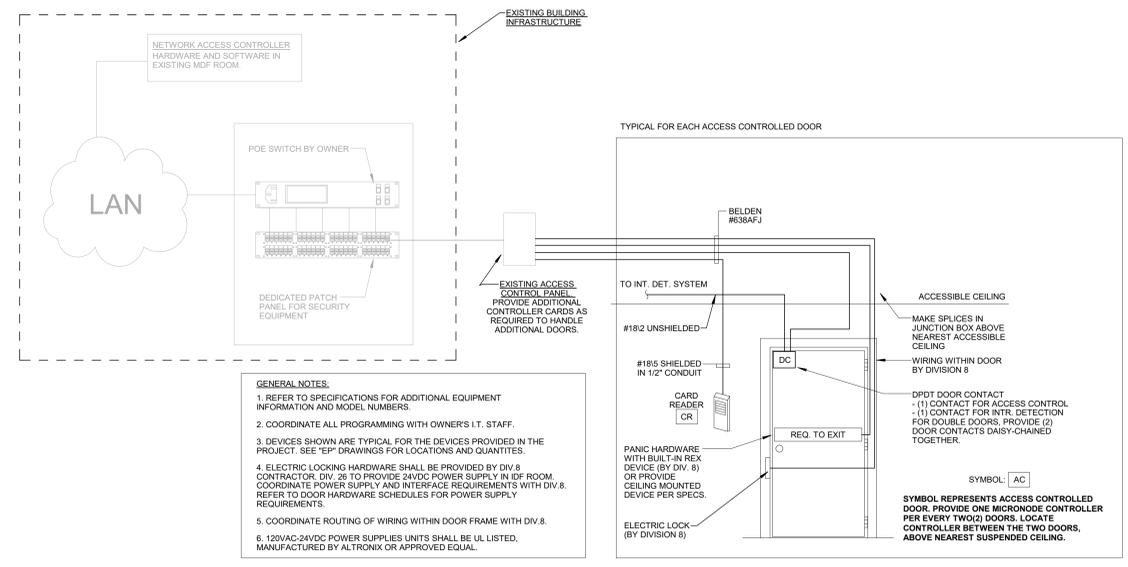


- GENERAL NOTES**
- FOR RUN LENGTHS OF 250 FEET OR MORE, PROVIDE SINGLE PORT P.O.E. EXTENDER AT THE MIDDLE OF CABLE RUN. LOCATED ABOVE NEAREST ACCESSIBLE CEILING. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
 - REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITY OF DEVICES. COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
 - FOLLOW MANUFACTURER'S INSTRUCTIONS TO ASSEMBLE EQUIPMENT.
 - INSTALLATION SHALL BE COMPLETE, INCLUDING ALL MOUNTING HARDWARE, ACCESSORIES AND SUPPORTS REQUIRED BY MANUFACTURER.
 - CONTRACTOR IS RESPONSIBLE FOR SYSTEM SETUP, TUNING AND CONFIGURATION.
 - ALL IP CAMERAS SHALL BE WIRED TO EXISTING PATCH PANEL IN TELECOM CLOSET #118. COORDINATE PROVIDE ADDITIONAL REQUIREMENTS PER TOWN'S IT DIRECTOR.
 - CAMERAS SHOWN ON CORNER OF BUILDING EXTERIOR SHALL BE PROVIDED WITH CORNER MOUNTING KIT BY CAMERA MANUFACTURER (IF APPLICABLE).
 - COORDINATE EXACT LOCATION OF RACK MOUNTED EQUIPMENT WITH OWNER'S I.T. STAFF.
 - REFER TO SPECIFICATIONS FOR PRODUCT MANUFACTURERS AND ADDITIONAL REQUIRED EQUIPMENT.
 - QUANTITY AND LOCATION OF IP CAMERAS AS SHOWN ON FLOOR PLANS.
 - CAMERAS BASIS OF DESIGN IS AXIS. REFER TO DIVISION 27 SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - CAT6 UTP SHALL BE COLORED PINK AND BE PLENUM RATED - HITACHI 30183-8 OR APPROVED EQUAL. PATCH CABLING SHALL BE COLORED PINK - HUBBELL H03PK OR APPROVED EQUAL.

MOUNTING NOTES

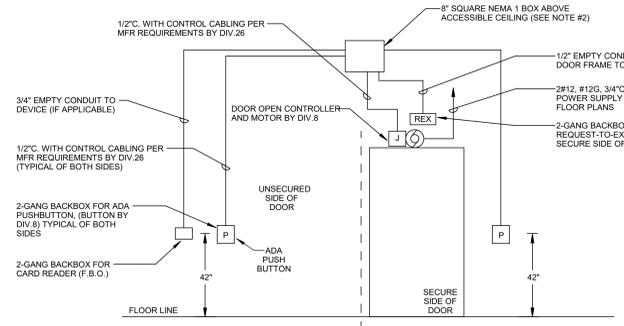
LOCATION	MOUNTING
INDOORS	CEILING-SURFACE MOUNTED DEVICES SHALL BE PROVIDED WITH FLUSH MOUNTING KIT AS APPROVED BY MANUFACTURER. WALL-SURFACE MOUNTING SHALL BE COORDINATED WITH OTHER TRADES AND ARCHITECTURAL ELEVATIONS.
ON BUILDING EXTERIOR	IN AREAS WITH CANOPIES OR OVERHANGS ABOVE DOOR, PROVIDE CEILING MOUNTED DEVICE. PROVIDE FLUSH MOUNTING KIT AS APPROVED BY MANUFACTURER (FLUSHED INTO EXISTING EXTERIOR CANOPY). IN OTHER AREAS, PROVIDE WALL MOUNTED DEVICE. PROVIDE WALL MOUNTING KIT AS APPROVED BY MANUFACTURER. CAMERAS SHALL BE MOUNTED DIRECTLY ABOVE DOOR, WHERE APPLICABLE.

1 VIDEO SURVEILLANCE DETAIL
 N.T.S.



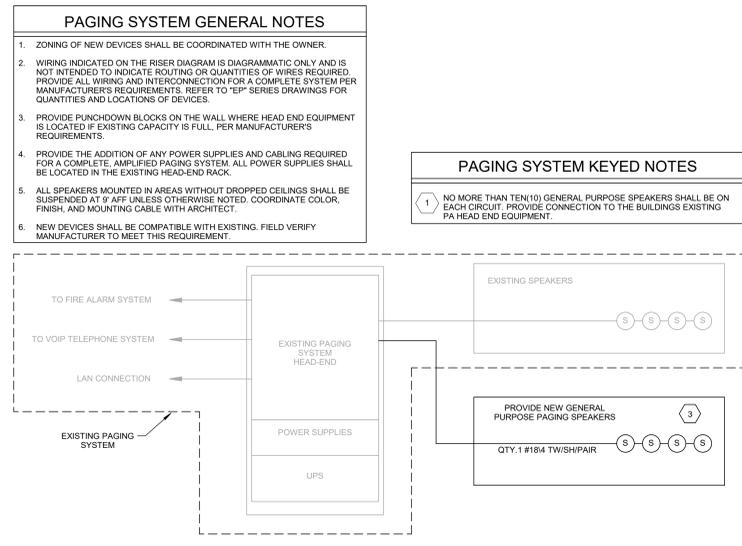
- GENERAL NOTES:**
- REFER TO SPECIFICATIONS FOR ADDITIONAL EQUIPMENT INFORMATION AND MODEL NUMBERS.
 - COORDINATE ALL PROGRAMMING WITH OWNER'S I.T. STAFF.
 - DEVICES SHOWN ARE TYPICAL FOR THE DEVICES PROVIDED IN THE PROJECT. SEE "EP" DRAWINGS FOR LOCATIONS AND QUANTITIES.
 - ELECTRIC LOCKING HARDWARE SHALL BE PROVIDED BY DIV. 8 CONTRACTOR. DIV. 28 TO PROVIDE 24VDC POWER SUPPLY IN RF ROOM. COORDINATE POWER SUPPLY AND INTERFACE REQUIREMENTS WITH DIV. 8. REFER TO DOOR HARDWARE SCHEDULES FOR POWER SUPPLY REQUIREMENTS.
 - COORDINATE ROUTING OF WIRING WITHIN DOOR FRAME WITH DIV. 8.
 - 120VAC-24VDC POWER SUPPLIES UNITS SHALL BE UL LISTED, MANUFACTURED BY ALTRONIX OR APPROVED EQUAL.

2 ACCESS CONTROL DETAIL
 N.T.S.

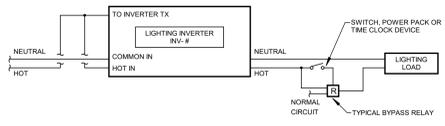


- NOTES**
- DOORS WITH ADA PUSHBUTTONS ARE INDICATED ON PLANS.
 - CONTROL CABLING SHALL BE ROUTED THROUGH SAME JUNCTION BOX AS ACCESS CONTROL CABLING AT THIS DOOR. CONNECTIONS AND INTEGRATION BETWEEN ACCESS CONTROL SYSTEM AND ADA PUSHBUTTONS SHALL BE PROVIDED BY OWNER OR OWNER'S SECURITY VENDOR.
 - COORDINATE ELECTRICAL HARDWARE REQUIREMENTS WITH HARDWARE SUPPLIER.
 - EXISTING DEVICES AND INFRASTRUCTURE AT EACH DOOR SHALL REMAIN UNLESS NOTED OTHERWISE (IF APPLICABLE).
 - DEVICES ASSOCIATED WITH RELOCATED DOORS SHALL FOLLOW AND BE INSTALLED TO KEEP ACCESS CONTROL INTEGRITY.

3 AUTOMATIC DOOR OPENER INFRASTRUCTURE DETAIL
 N.T.S.



5 PAGING SYSTEM DETAIL
 N.T.S.



4 EMERGENCY LIGHTING INVERTER DETAIL
 N.T.S.

TELECOMMUNICATIONS FACEPLATE & CABLING SCHEDULE

SYMBOL	FRONT VIEW	BY DIVISION 26		BY DIVISION 27	
		BACKBOX & CONDUIT	FACEPLATE	CABLE	
	COMBINATION OUTLET	2-GANG HIGH CAPACITY BOX PROVIDE (1) 1-1/4" STUBBED UP TO NEAREST ACCESSIBLE CEILING.	PROVIDE 1-GANG FACEPLATE. 3-PORT COMBINATION RECEPTACLE - PROVIDE (3) RJ-45, 8-POSITION CONNECTORS. - (1) FOR VOIP SYSTEM, COLORED YELLOW. - (2) FOR DATA SYSTEM, COLORED BLUE.	3-PORT COMBINATION RECEPTACLE - PROVIDE (3) CAT 6e CABLES ROUTED BACK TO DATA PATCH PANEL NETWORKING RACK IN TELECOM CLOSET SERVING THE AREA WHERE DEVICE IS LOCATED. - (1) FOR VOIP SYSTEM, COLORED YELLOW. - (2) FOR DATA SYSTEM, COLORED BLUE.	
	DATA OUTLET (*X DETERMINES # OF PORTS)	DATA OUTLET, 2-GANG HIGH CAPACITY BOX. PROVIDE (1) 1-1/4" STUBBED UP TO NEAREST ACCESSIBLE CEILING. LCD PLATE, 2-GANG HIGH CAPACITY BOX ON WALL. PROVIDE (1) 1-1/4" STUBBED UP TO NEAREST ACCESSIBLE CEILING. MOUNTING AT 6" AFF UNLESS NOTED OTHERWISE.	PROVIDE 1-GANG FACEPLATE. DATA RECEPTACLE PROVIDE "X" NUMBER OF RJ-45, 8-POSITION CONNECTORS FOR DATA SYSTEM. CONNECTOR SHALL BE COLORED BLUE.	SINGLE & MULTI-PORT DATA RECEPTACLE PROVIDE "X" NUMBER OF CAT 6e CABLES ROUTED BACK TO DATA PATCH PANEL NETWORKING RACK IN TELECOM CLOSET SERVING THE AREA WHERE DEVICE IS LOCATED. CABLE SHALL BE COLORED BLUE.	
	WIRELESS ACCESS OUTLET (WALL MOUNTED)	1-GANG HIGH CAPACITY BOX MOUNTED, 96" AFF UNLESS NOTED OTHERWISE. PROVIDE 1-1/4" STUBBED UP TO NEAREST ACCESSIBLE CEILING.	PROVIDE 1-GANG STAINLESS STEEL RECESSED FACEPLATE. PROVIDE (2) RJ-45, 8-POSITION CONNECTORS FOR WAP SYSTEM. CONNECTOR SHALL BE COLORED RED. NOTE: WIRELESS ACCESS DEVICE TO BE PROVIDED BY OWNER.	PROVIDE (2) CAT 6e CABLES ROUTED TO DEDICATED WAP PATCH PANEL IN TELECOM CLOSET SERVING THE AREA WHERE DEVICE IS LOCATED. CABLES SHALL BE COLORED RED.	
	WIRELESS ACCESS OUTLET (CEILING MOUNTED)	2-GANG BOX MOUNTED ABOVE CEILING. PROVIDE SIMON MK5MS2 TWO PORT SURFACE BOX MOUNTED INSIDE BACKBOX.	NO FACEPLATE. NOTE: WIRELESS ACCESS DEVICE TO BE PROVIDED BY OWNER.	PROVIDE (2) CAT 6e CABLES ROUTED TO DEDICATED WAP PATCH PANEL IN TELECOM CLOSET SERVING THE AREA WHERE DEVICE IS LOCATED. CABLES SHALL BE COLORED RED.	
	INPUT STATION OUTLET	2-GANG HIGH CAPACITY BOX ON WALL, 36" AFF UNLESS NOTED OTHERWISE. PROVIDE (2) 1-1/4" STUBBED UP TO NEAREST ACCESSIBLE CEILING. FOR AV USE ONLY.	PROVIDE 2-GANG FACEPLATE. REFER TO AUDIO VISUAL SYSTEM DETAIL 7/E5.00.	REFER TO AUDIO VISUAL SYSTEM DETAIL 7/E5.00.	
	AV CONTROL STATION	2-GANG HIGH CAPACITY BOX ON WALL, 36" AFF UNLESS NOTED OTHERWISE. PROVIDE (2) 1-1/4" STUBBED UP TO NEAREST ACCESSIBLE CEILING. FOR AV USE ONLY.	PROVIDE 2-GANG FACEPLATE. REFER TO AUDIO VISUAL SYSTEM DETAIL 7/E5.00.	REFER TO AUDIO VISUAL SYSTEM DETAIL 7/E5.00.	
	FLOOR BOX DATA OUTLET (COVER SHOWN FOR REFERENCE ONLY)	MULTI-GANG HIGH CAPACITY BOX IN FLOOR BOX, SHARED WITH POWER OUTLET FLOOR BOX. PROVIDE GANG QUANTITY TO SUPPORT ALL DEVICES SHOWN ON PLANS (POWER, DATA, AV).	PROVIDE 1-GANG FACEPLATE. 2-PORT FLOOR DATA OUTLET. PROVIDE (2) RJ-45, 8-POSITION CONNECTORS FOR DATA SYSTEM. CONNECTORS SHALL BE COLORED BLUE. PROVIDE 1" CONDUIT FROM CEILING AND RUN UNDER THE SLAB TO FLOORBOX WHERE APPLICABLE.	PROVIDE (2) CAT 6 CABLES ROUTED BACK TO NEAREST DATA PATCH PANEL NETWORKING RACK. CABLES SHALL BE COLORED BLUE.	
	POKE-THRU DATA OUTLET (COVER SHOWN FOR REFERENCE ONLY)	MULTI-GANG HIGH CAPACITY BOX IN POKE-THRU SHARE WITH POWER OUTLET POKE-THRU BOX. PROVIDE GANG QUANTITY TO SUPPORT ALL DEVICES SHOWN ON PLANS (POWER, DATA, AV).	PROVIDE 1-GANG FACEPLATE. 2-PORT FLOOR DATA OUTLET. PROVIDE (2) RJ-45, 8-POSITION CONNECTORS FOR DATA SYSTEM. CONNECTORS SHALL BE COLORED BLUE. PROVIDE 1" CONDUIT FROM CEILING AND RUN UNDER THE FLOOR TO POKE-THRU BOX WHERE APPLICABLE.	PROVIDE (2) CAT 6 CABLES ROUTED BACK TO NEAREST DATA PATCH PANEL NETWORKING RACK. CABLES SHALL BE COLORED BLUE.	

- GENERAL NOTES:
- ALL CABLES SHALL BE CATEGORY 6 UTP UNLESS OTHERWISE NOTED.
 - REFER TO RACK ELEVATIONS FOR LOCATIONS AND QUANTITIES OF PATCH PANELS WITHIN RACKS.
 - CONTRACTOR SHALL LABEL EACH DEVICE TERMINATION POINT AND CORRESPONDING PATCH PANEL PORT WITH THE SAME, UNIQUE LABEL. REFER TO SPECIFICATIONS FOR MORE INFORMATION. ALL LABELS SHALL BE FINALIZED WITH AND APPROVED BY OWNERS I.T. STAFF PRIOR TO INSTALLATION.
 - COLOR ALL CONNECTORS AS INDICATED IN ABOVE SCHEDULE. COORDINATE COLOR OF ALL HORIZONTAL CABLING AND WORK AREA OUTLET JACKS WITH OWNER PRIOR TO INSTALLATION.
 - PROVIDE ALL NECESSARY CONNECTORS, ADAPTERS, KEYSTONES, ATTACHMENTS AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
 - ALL RJ45 CONNECTORS SHALL BE HUBBELL HX48 OR APPROVED EQUAL.
 - REFER TO MOUNTING ELEVATION AND DEVICE TAG NOTES ON E0.00 FOR ADDITIONAL INFORMATION.
 - FOR ALL CABLING, PROVIDE AN ADDITIONAL 6"-10" SLACK AT THE TERMINATING LOCATION.

EQUIPMENT	PANEL	OCP	# OF POLES	BRANCH CIRCUIT	LOCAL DISC. SW	MOTOR STARTER										REMARKS
						MOTOR STARTER		LOAD								
						SIZE	TYPE	LOCATION	HP	MCA	FLA	MOP	PHASE	VOLT		
ACCU-1	GP1B	25 A	2	2#10T10G, 3/4"	30A25AF-2P	MECH	AT UNIT	17	25		500	1	208 V			
CH-1	GP1B	600 A	3	SEE RISER DIAGRAM			AT UNIT		410			3	208 V			
EF-1	GP1B	20 A	2	2#12T12G, 3/4"	30A20AF-2P	MECH	AT UNIT	1/3				1	208 V			
EF-2	LP1	15 A	1	2#12T12G, 3/4"	M R T	MECH	AT UNIT			0.1		1	120 V			
EW-1	GP1A	15 A	1	2#12T12G, 3/4"	M R T	MECH	AT UNIT					1	120 V			
EW-1	LP1	20 A	2	2#12T12G, 3/4"	30A20AF-2P	MECH	AT UNIT		14.4		20	1	208 V			
HP-1 AND HP-2	GP1B	15 A	2	2#12T12G, 3/4"	30A15AF-2P	MECH	AT UNIT		1			1	208 V			
P-1	GP1B	20 A	1	2#12T12G, 3/4"	M R T	MECH	AT UNIT		10			1	120 V			
P-2	GP1B	20 A	1	2#12T12G, 3/4"	M R T	MECH	AT UNIT		10			1	120 V			
P-3	GP1B	20 A	1	2#12T12G, 3/4"	M R T	MECH	AT UNIT		10			1	120 V			
UV-1	LPA	20 A	3	3#12T12G, 3/4"	30A20AF-3P	MECH	AT UNIT		3.8			3	208 V			

Branch Panel: GP1A											
Location: ELECTRICAL 115											
Supply From: MOUNTING: Surface ENCLOSURE: Type 1											
Volts: 120/208 Wye Phases: 3 Wires: 4											
A.I.C. Rating: 10,000 Bus Material: CU Bus Rating / MLO: 150 A MILO											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	RCPT - CHILDRENS 150	20 A	1	1.08	1.44		1	20 A	MONITOR - CHILDRENS EAST 150B	2	
3	RCPT - CHILDRENS EAST 150B	20 A	1		0.36	1.08		1	20 A	POKE THRU - COMMONS 200	4
5	RCPT - COMMONS 200	20 A	1			0.54	0.36	1	20 A	PROJECTOR - COMMONS 200	6
7	RCPT - COMMONS 200	20 A	1	0.72	1.08			1	20 A	POKE THRU - COMMONS 200	8
9	RCPT - COMMONS 200	20 A	1		1.08	1.08		1	20 A	RCPT - COMMONS 200	10
11	RCPT - STACKS 204	20 A	1			0.72	1.08	1	20 A	RCPT - STACKS 204	12
13	RCPT - COMMONS 200	20 A	1	0.54	0.72			1	20 A	RCPT - CHILDRENS 150	14
15	RCPT - STORY HR 151	20 A	1		0.36	0.54		1	20 A	PROJECTOR - COMMONS 200	16
17	SPARE	20 A	1			0.00	0.10	1	15 A	EW-1	18
19	SPARE	20 A	1	0.00	0.00			1	20 A	SPARE	20
21	SPARE	20 A	1		0.00	0.00		1	20 A	SPARE	22
23	SPARE	20 A	1			0.00	0.00	1	20 A	SPARE	24
25	SPARE	20 A	1	0.00	0.00			1	20 A	SPARE	26
27	SPARE	20 A	1		0.00	0.00		1	20 A	SPARE	28
29	SPARE	20 A	1			0.00	0.00	1	20 A	SPARE	30
31	SPARE	20 A	1	0.00	0.00			1	20 A	SPARE	32
33	SPARE	20 A	1		0.00	0.00		1	20 A	SPARE	34
35	SPARE	20 A	1		0.00	0.00	0.00	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00	0.940			3	100 A	GP1B	38
39	SPARE	20 A	1			0.00	0.936				40
41	SPARE	20 A	1			0.00	0.942				42
Phase Load:		14.98 kVA		13.85 kVA		12.22 kVA					
Total Load:		126.9 A		117.5 A		101.8 A					
Total Amps:		41.05 kVA									
Total Amps:		113.94 A									

Branch Panel: GP1B											
Location: MAKER SPACE 171											
Supply From: GP1A MOUNTING: Recessed ENCLOSURE: Type 1											
Volts: 120/208 Wye Phases: 3 Wires: 4											
A.I.C. Rating: 10,000 Bus Material: CU Bus Rating / MLO: 100 A MCB											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	RCPT - MAKER SPACE 171	20 A	1	0.36	0.72			1	20 A	RCPT - MAKER SPACE 171	2
3	FLOORBOX MAKER SPACE 171	20 A	1		0.54	0.72		1	20 A	RCPT - MAKER SPACE 171	4
5	RCPT - MAKER SPACE 171	20 A	1			0.90	0.54	1	20 A	RCPT - THE VAULT 171A	6
7	RCPT - MAKER SPACE 171	20 A	1	0.72	0.90			1	20 A	RCPT - MAKER SPACE 171	8
9	CEILING RCPT - MAKER SPACE 171	20 A	1		0.36	0.36		1	20 A	CEILING RCPT - MAKER SPACE 171	10
11	CEILING RCPT - MAKER SPACE 171	20 A	1		0.36	0.36	1	1	20 A	RCPT - MAKER SPACE 171	12
13	FLOORBOX YOUNG ADULTS 121	20 A	1	0.54	0.54			1	20 A	FLOORBOX YOUNG ADULTS 121	14
15	MONITOR - YOUNG ADULTS 121	20 A	1		0.18	0.54		1	20 A	RCPT - REC STUDIO 171B	16
17	RCPT - REC STUDIO 171B	20 A	1			0.72	0.36	1	20 A	RCPT - NEW BOOKS 120	18
19	RCPT - CHILDRENS WEST 150A	20 A	1	0.54	0.90			1	20 A	RCPT - STACKS 204	20
21	RCPT - STACKS 204	20 A	1		1.08	1.44		1	20 A	POKETHRU - STACKS 204	22
23	POKETHRU - STACKS 204	20 A	1			1.08	1.08	1	20 A	POKETHRU - STACKS 204	24
25	HP-1 AND HP-2	15 A	2	0.20	0.42			2	20 A	EF-1	26
27	SPARE	20 A	1								28
29	ACCU-1	25 A	2			1.77	0.83	1	20 A	LTG - MAKER 171	30
31	SPARE	20 A	1								32
33	P-1	20 A	1		1.20	1.40		1	20 A	LTG - STACKS 204, STS.2	34
35	P-2	20 A	1		1.20	0.23	1	1	20 A	EM LTG INV - 171, STS.1	36
37	P-3	20 A	1	1.20	0.55			1	20 A	EM LTG INV - 204, STS.2	38
39	FANS - STACKS 204	20 A	1		1.00	0.00		1	20 A	SPARE	40
41	SPARE	20 A	1			0.00	0.00	1	20 A	SPARE	42
Phase Load:		9.40 kVA		9.36 kVA		9.42 kVA					
Total Load:		78.4 A		78 A		78.5 A					
Total Amps:		28.17 kVA									
Total Amps:		78.2 A									

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CONSTRUCTION DOCS

KEY PLAN

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DRAWING TITLE
 ELECTRICAL SCHEDULES AND DIAGRAMS

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	N.T.S.
DATE	6.1.2020
DRAWN BY	MO
APPROVED BY	VCM

ISSUE DATES		
NO.	DATE	PURPOSE

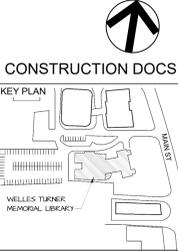
E6.00

RETROFIT LIGHTING FIXTURE SCHEDULE				
TYPE	LAMP	DRIVER	VOLTS	DESCRIPTION
X0, X0E	SEE DESCRIPTION	SEE DESCRIPTION	120V	EXISTING LIGHTING FIXTURE WITH INTEGRAL LED BOARD AND DRIVER. FIXTURES SHALL BE CLEANED AND VERIFIED FOR COLOR TEMPERATURE TO MATCH 3000K STANDARD IN THE BUILDING. REPLACE FAULTY OR VARIANT BOARDS WITH COMPATIBLE 3000K EQUIVALENTS. FIXTURES SHOWN AS EMERGENCY ON FLOOR PLANS, SHALL BE PROVIDED WITH COMPATIBLE EMERGENCY BATTERY PACKS. 3000K COLOR TEMPERATURE; 50,000+ HRS.
XC3, XC3E	(3) T8 ESPFN L24T8/830/11G-XT	VPL100-4C-030/036	120V	PROVIDE COMPATIBLE LED EQUIVALENT LAMP AND DRIVER. FIXTURES SHOWN AS EMERGENCY ON FLOOR PLANS, SHALL BE PROVIDED WITH COMPATIBLE EMERGENCY BATTERY PACKS. 3000K COLOR TEMPERATURE; 50,000+ HRS.
XC4, XC4E	(2) T8 ESPFN L48T8/830/11G-XT	VPL50-2C-030/036	120V	PROVIDE COMPATIBLE LED EQUIVALENT LAMP AND DRIVER. FIXTURES SHOWN AS EMERGENCY ON FLOOR PLANS, SHALL BE PROVIDED WITH COMPATIBLE EMERGENCY BATTERY PACKS. 3000K COLOR TEMPERATURE; 50,000+ HRS.
XC5, XC5E	(3) T8 ESPFN L48T8/830/11G-XT	VPL100-4C-030/036	120V	PROVIDE COMPATIBLE LED EQUIVALENT LAMP AND DRIVER. FIXTURES SHOWN AS EMERGENCY ON FLOOR PLANS, SHALL BE PROVIDED WITH COMPATIBLE EMERGENCY BATTERY PACKS. 3000K COLOR TEMPERATURE; 50,000+ HRS.
XC7, XC7E	(2) T8 ESPFN L48T8/830/11G-XT	VPL50-2C-030/036	120V	PROVIDE COMPATIBLE LED EQUIVALENT LAMP AND DRIVER. FIXTURES SHOWN AS EMERGENCY ON FLOOR PLANS, SHALL BE PROVIDED WITH COMPATIBLE EMERGENCY BATTERY PACKS. 3000K COLOR TEMPERATURE; 50,000+ HRS.
XC8, XC8E	(2) T8 ESPFN L48T8/830/11G-XT	VPL50-2C-030/036	120V	PROVIDE COMPATIBLE LED EQUIVALENT LAMP AND DRIVER. FIXTURES SHOWN AS EMERGENCY ON FLOOR PLANS, SHALL BE PROVIDED WITH COMPATIBLE EMERGENCY BATTERY PACKS. 3000K COLOR TEMPERATURE; 50,000+ HRS.
XC9, XC9E	(2) T8 ESPFN L48T8/830/11G-XT	VPL50-2C-030/036	120V	PROVIDE COMPATIBLE LED EQUIVALENT LAMP AND DRIVER. FIXTURES SHOWN AS EMERGENCY ON FLOOR PLANS, SHALL BE PROVIDED WITH COMPATIBLE EMERGENCY BATTERY PACKS. 3000K COLOR TEMPERATURE; 50,000+ HRS.
XC10, XC10E	(2) T8 / 4ft SECTION ESPFN L48T8/830/11G-XT	VPL100-2C-030/036 PER 8ft SECTION	120V	PROVIDE COMPATIBLE LED EQUIVALENT LAMP AND DRIVER. FIXTURES SHOWN AS EMERGENCY ON FLOOR PLANS, SHALL BE PROVIDED WITH COMPATIBLE EMERGENCY BATTERY PACKS. 3000K COLOR TEMPERATURE; 50,000+ HRS.
XD1, XD1E	(2) G24q / G24d ESPFN CLD18W/830-ID	N/A	120V	PROVIDE COMPATIBLE LED EQUIVALENT LAMP WITH INTEGRAL DRIVER. FIXTURES SHOWN AS EMERGENCY ON FLOOR PLANS, SHALL BE PROVIDED WITH COMPATIBLE EMERGENCY BATTERY PACKS. 3000K COLOR TEMPERATURE; 50,000+ HRS.
XG	(3) A19 E26 CRE E A19 75W P1 50K E26	N/A	120V	PROVIDE COMPATIBLE LED EQUIVALENT LAMP WITH INTEGRAL DRIVER. FIXTURES SHOWN AS EMERGENCY ON FLOOR PLANS, SHALL BE PROVIDED WITH COMPATIBLE EMERGENCY BATTERY PACKS. 3000K COLOR TEMPERATURE; 50,000+ HRS.
XP, XPE	(2) T8 ESPFN L48T8/830/11G-XT	VPL50-2C-030/036	120V	PROVIDE COMPATIBLE LED EQUIVALENT LAMP AND DRIVER. FIXTURES SHOWN AS EMERGENCY ON FLOOR PLANS, SHALL BE PROVIDED WITH COMPATIBLE EMERGENCY BATTERY PACKS. 3000K COLOR TEMPERATURE; 50,000+ HRS.
XR	(3) A19 E26 CRE E A19 75W P1 50K E26	N/A	120V	PROVIDE COMPATIBLE LED EQUIVALENT LAMP WITH INTEGRAL DRIVER. FIXTURES SHOWN AS EMERGENCY ON FLOOR PLANS, SHALL BE PROVIDED WITH COMPATIBLE EMERGENCY BATTERY PACKS. 3000K COLOR TEMPERATURE; 50,000+ HRS.
XV, XVE	(3) A19 PHILIPS 10PAR38/COB/930/40DI M120V T20 6/1FB	N/A	120V	PROVIDE COMPATIBLE LED EQUIVALENT LAMP WITH INTEGRAL DRIVER. FIXTURES SHOWN AS EMERGENCY ON FLOOR PLANS, SHALL BE PROVIDED WITH COMPATIBLE EMERGENCY BATTERY PACKS. 3000K COLOR TEMPERATURE; 50,000+ HRS.
XF, XFE	(2) G24q / G24d ESPFN CLD18W/830-ID	N/A	120V	PROVIDE COMPATIBLE LED EQUIVALENT LAMP WITH INTEGRAL DRIVER. FIXTURES SHOWN AS EMERGENCY ON FLOOR PLANS, SHALL BE PROVIDED WITH COMPATIBLE EMERGENCY BATTERY PACKS. 3000K COLOR TEMPERATURE; 50,000+ HRS.
EMERGENCY BATTERY PACK	EVENLITE LCP-WATTS-DF		UNIV	U.L. CLASSIFIED FOR FIELD INSTALLATION ALLOWING THE CONVERSION OF LED LUMINAIRES TO BE USED FOR NORMAL AND EMERGENCY OPERATION. AVAILABLE IN 7, 12 & 25 WATT CAPACITIES TO SUIT A WIDE RANGE OF LED DRIVERS AND LUMINAIRE TYPES. THE LCP IS SUITABLE FOR INDOOR AND DAMP LOCATIONS AND FIT SEAMLESSLY INTO OR ADJACENT TO THE LUMINAIRE. IN THE EVENT OF POWER LOSS THE LCP SWITCHES TO EMERGENCY MODE AND OPERATES THE EXISTING LUMINAIRE FOR 90 MINUTES.

- NOTES:
- THE NAMED MANUFACTURER LISTED IN THE LUMINAIRE SCHEDULE IS THE BASIS OF DESIGN. IF THE CONTRACTOR CHOOSES TO PROVIDE AN EQUIVALENT MANUFACTURER, THE LIGHT FIXTURE SUBMITTAL SHALL INCLUDE, IN ADDITION TO THE PROPOSED LIGHT FIXTURE CUT SHEETS, LIGHTING CALCULATIONS FOR ALL INTERIOR AND EXTERIOR AREAS. THE EQUAL FIXTURE APPROVAL SHALL BE BASED ON THE AESTHETICS, QUALITY, CONSTRUCTION AND OPTICAL PERFORMANCE BY THE ENGINEER AND OR ARCHITECT. FIXTURE SAMPLES SHALL BE PROVIDED AS REQUESTED BY THE ENGINEER AND OR ARCHITECT.
 - REFER TO THE ELECTRICAL SPECIFICATIONS FOR ADDITIONAL GENERAL REQUIREMENTS.
 - FIXTURES SHALL BE UL OR ETL LISTED. DLC LISTING TO MATCH SUBMITTED.
 - MOUNTING HARDWARE SUCH AS HANGERS, BRACKETS, RAILS, YOKES, STEMS, CHAINS, ETC., SHALL BE PROVIDED AS NECESSARY TO MOUNT SPECIFIED FIXTURE.
 - REFER TO ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR SPECIFIC DETAILS, ARRANGEMENT, MOUNTING HEIGHTS, CEILING CONSTRUCTION, ETC., COLORS AND FINISHES SHALL BE SELECTED BY THE ARCHITECT.
 - WIRE EMERGENCY FIXTURES AND BATTERY PACKS AHEAD OF SWITCHED LEGS.
 - EC SHALL COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR EXACT LENGTHS. EC SHALL ORDER 4' LIGHTING SECTIONS TO COVER ENTIRE LENGTH. EC TO INSTALL FOLLOWING MANUFACTURER RECOMMENDATIONS.
 - FIXTURE SHADING AND TYPE MARKS ENDING WITH 'E', DENOTE FIXTURE CONNECTED TO EMERGENCY LIGHTING FEED VIA EMERGENCY BATTERY PACK. EACH EMERGENCY PACK SHALL POWER NO MORE THAN ONE FIXTURE.
 - ALL FIXTURE FINISHES AND MOUNTING METHODS TO BE DETERMINED BY THE ARCHITECT.

LIGHTING FIXTURE SCHEDULE													
TYPE	MANUFACTURER	CATALOG NO.	LAMPS	MOUNTING	VOLTS	REMARKS	TYPE	MANUFACTURER	CATALOG NO.	LAMPS	MOUNTING	VOLTS	REMARKS
A, AE	LEDALITE	290RLCOQ167DIET / AX-XX OR APPROVED EQUAL	LED 36W 3000K 80 CRI 4706 lm/4ft	PENDANT	UNIV	16' LED SUSPENDED LINEAR PENDANT - HIGH PERFORMANCE DIRECT/INDIRECT, 30%UP 70% DOWN, SYMMETRIC MESOPTIC LENS + SYMMETRIC PERFORMANCE LENS, 0-10V DIMMING TO 1%, L80/60,000 HRS LIGHT SOURCE. SUSPENSION LENGTH (XX) SEE ARCHITECTURAL DRAWINGS; TITANIUM SILVER FINISH. MOUNTING TYPE (AX) SEE ARCHITECTURAL DRAWINGS.	K, KE	STARFIRE	KE100-LL-30H-S-X OR APPROVED EQUAL	LED 8W/ft 3000K 80+ CRI 840lm/ft	COVE	UNIV	LED KNIFE EDGE COVE. EDGE TO EDGE ILLUMINATION WITH ADJUSTABLE LENS ANGLES. 0-10V DIMMING TO 1%, L70/50,000 HRS LIGHT SOURCE. THE LENGTH (X) OF EACH FIXTURE SHALL COVER THE SPAN SHOWN ON THE DRAWINGS.
B, BE	LEDALITE	291LCKQN87DEW OR APPROVED EQUAL	LED 14W 3000K 82 CRI 1488 lm/4ft	SURFACE	UNIV	8' LED SURFACE MOUNTED LINEAR FIXTURE. HIGH PERFORMANCE DIRECT DISTRIBUTION. SYMMETRIC MESOPTIC LENS. 0-10V DIMMING TO 1%, L80/60,000 HRS LIGHT SOURCE. WHITE FINISH.	L, LE	DAY-BRITE CFI	2FXP43L8304SUNVDIM OR APPROVED EQUAL	LED 39W 3000K 80 CRI 4173 lm	RECESSED	UNIV	2X4 RECESSED IN-LAY GRID FIXTURE. SMOOTH OPAL DIFFUSER. 0-10V DIMMING. L70/80,000 HRS LIGHT SOURCE. DLC LISTED.
C3, C3E	DAY-BRITE CFI	2FXP38L8302DSUNVDIM OR APPROVED EQUAL	LED 36W 3000K 80 CRI 3607 lm	RECESSED	UNIV	2X2 RECESSED IN-LAY GRID FIXTURE. SMOOTH OPAL DIFFUSER. 0-10V DIMMING. L70/80,000 HRS LIGHT SOURCE. DLC LISTED.	P1, P1E	RLM CLASSIC	WS121GV27L30KDS10X-77-73 OR APPROVED EQUAL	LED 18W 3000K 80 CRI 2039 lm	PENDANT	UNIV	12" VINTAGE STYLE PENDANT HUNG FIXTURE. 0-10V DIMMING. BLACK SJT COORD. MOUNTING METHOD. TEXTURED WALL INTERIOR HOUSING FINISH. MATTE BLACK HOUSING FINISH.
C4, C4E	DAY-BRITE CFI	2FLX38L8302DSUNVDIM-FSK2Z OR APPROVED EQUAL	LED 36W 3000K 80 CRI 3607 lm	SURFACE	UNIV	2X2 SURFACE MOUNTED FIXTURE. SMOOTH OPAL DIFFUSER. 0-10V DIMMING. L70/80,000 HRS LIGHT SOURCE. DLC LISTED. PROVIDE WITH SURFACE MOUNT FIELD INSTALLATION KIT.	R, RE	LUMEN ART	STL83000KRMSUNV12-STEM3-WH-WH-0-10 / TR150-120 OR APPROVED EQUAL	LED 36W 3000K 80+ CRI 4610 lm	WALL PENDANT	UNIV	8' WALL MOUNTED WALL WASH PENDANT FIXTURE. 2.5' ROUND CANOPY WITH MINI JUNCTION BOCK FOR MOUNTING. WHITE LENS. WHITE FINISH.
D1, D1E	LIGHTOLIER	4RN-P4RDL10830CCZ10U OR APPROVED EQUAL	LED 11W 3000K 80+ CRI 1000 lm	RECESSED	UNIV	4" DIA LED DOWNLIGHT; 0-10V DIMMING. L80/60,000 HRS LIGHT SOURCE. WHITE FINISH.	T1	B-K LIGHTING	AL-MM-LED-E71-MFL-8LP-12-A-30USL OR APPROVED EQUAL	LED 3W 3000K 80+ CRI 149 lm	WALL	120V	MINI 1" CYLINDRICAL ADJUSTABLE WALL MOUNTED FIXTURE. SOFT FOCUS LENS WITH 45 DEGREE BEAM. COMPATIBLE 150W - 12VDC TRANSFORMER. PROVIDE NECESSARY MOUNTING PARTS TO INSTALL FLUSH IN TRUNK OF DECORATIVE TREE DISPLAY. BLACK FINISH.
D1A, D1AE	LIGHTOLIER	4RN-P4RDL10830CCZ10U OR APPROVED EQUAL	LED 11W 3000K 80+ CRI 1000 lm	RECESSED	UNIV	4" DIA LED DOWNLIGHT; 0-10V DIMMING. L80/60,000 HRS LIGHT SOURCE. WHITE FINISH.	UC1	Q-TRAN LED	KURVSWRLCDRY30H0ENC1TL-PX-BW8WVWXX / Q6012024W OR APPROVED EQUAL	LED 3W/ft 3000K 97 CRI 203 lm/ft	SURFACE	120VAC 12VDC	FLEXIBLE LED STRIP IN RIGID LOCK CHANNEL WITH TRANSLUCENT COVER. P+ PASS-THRU TYPE TO BE COORDINATED BY EC. XX= EACH FIXTURE SHALL COVER THE LENGTH SHOWN ON THE DRAWINGS. PROVIDE WITH COMPATIBLE 80W-12V POWER SUPPLY.
D2, D2E	LUCIFER	CY3AD1-AG-BK-90C2A300CA24-CMJB OR APPROVED EQUAL	LED 24W 3000K 80+ CRI 1373 lm	SURFACE	UNIV	3.25" DIA LED CYLINDER. 0-10V DIMMING. L80/60,000 HRS LIGHT SOURCE. 60 DEGREE SPREAD OPTIC WITH SOFT FOCUS LENS. SATIN SILVER CYLINDER FINISH. BLACK BAFFLE FINISH.	UC3	Q-TRAN LED	SW243-QRY358BWVW-XX / SLM1535DF-PX-XX / QTMLED200UNUN24VNAWH OR APPROVED EQUAL	LED 3W/ft 3000K 98 CRI 203 lm/ft	SURFACE	UNIV/AC 24VDC	SLIM LED STRIP IN SATIN EXTRUSION WITH TRANSLUCENT COVER. P+ PASS-THRU TYPE TO BE COORDINATED BY EC. XX= EACH FIXTURE SHALL COVER THE LENGTH SHOWN ON THE DRAWINGS. PROVIDE WITH COMPATIBLE 80W-12V POWER SUPPLY.
D3, D3E	3G LIGHTING	MSL4-3K3G-RC31588300K60DUNVDIM-OR APPROVED EQUAL	LED 14W 3000K 80+ CRI 1289 lm	RECESSED	UNIV	MULTI LAMP RECESSED LED FIXTURE. ALUMINUM CONSTRUCTION; 60 DEGREE PIVOTING MULTI-DIRECTIONAL OPTICS; 0-10V DIMMING TO 1%, L80/60,000 HRS LIGHT SOURCE. WHITE FLANGE TYPE. NATURAL ALUMINUM GIMBAL FINISH. WHITE HOUSING INTERIOR FINISH.	X1	CHLORIDE	ERS5L3-W-R OR APPROVED EQUAL	LED 3.08W	UNIV	UNIV	LED EXIT SIGN. SINGLE FACE. WITH SELF-DIAGNOSTICS. WHITE FINISH. UNIVERSAL MOUNTING. WITH 90MIN CONTINUOUS BATTERY BACK UP.
D4, D4E	3G LIGHTING	MSL4-3K3G-RC31588300K10DUNVDIM-WT-NG-WH-NC OR APPROVED EQUAL	LED 14W 3000K 80+ CRI 1289 lm	RECESSED	UNIV	MULTI LAMP RECESSED LED FIXTURE. ALUMINUM CONSTRUCTION; 10 DEGREE PIVOTING MULTI-DIRECTIONAL OPTICS; 0-10V DIMMING TO 1%, L80/60,000 HRS LIGHT SOURCE. NATURAL ALUMINUM FLANGE TYPE. WHITE/GIMBAL FINISH. WHITE HOUSING INTERIOR FINISH.	X1H	CHLORIDE	ERS5L3-W-R OR APPROVED EQUAL	LED 3.08W	UNIV	UNIV	LED EXIT SIGN. SINGLE FACE. WITH SELF-DIAGNOSTICS. WHITE FINISH. UNIVERSAL MOUNTING. WITH 90MIN CONTINUOUS BATTERY BACK UP. PROVIDE WITH CT COMPLIANT ADA SYMBOL.
D5, D5E	LIGHTOLIER	4RN-P4RDL10830CC-Z10U OR APPROVED EQUAL	LED 11W 3000K 80 CRI 1000 lm	RECESSED	UNIV	4" DIA LED DOWNLIGHT; 60° LENSED CUTOFF FOR WALL WASH APPLICATIONS; 0-10V DIMMING. L80+60,000 HRS LIGHT SOURCE.	INV-1 INV-2'	MYERS	1-LVM-2-G OR APPROVED EQUAL	120V IN/OUT 225VA	T-GRID INLAY	120V	AC EMERGENCY POWER SUPPLY (225 WATTS). UL-404 LISTED WITH SELF TESTING AND DIAGNOSTICS. SEALED. MAINTENANCE-FREE. VRLA BATTERIES; 3-YEAR PRORATED WARRANTY. INVERTER SHALL FEED ALL EMERGENCY FIXTURES IN DENOTED ROOMS. INV2 SHALL BE PROVIDED WITH WALL MOUNT BRACKET AND MOUNTED 6" BELOW FINISHED CEILING.
D6, D6E	LIGHTOLIER	4RN-CAL10830WZ10U OR APPROVED EQUAL	LED 11W 3000K 80 CRI 1000 lm	RECESSED	UNIV	4" DIA LED DOWNLIGHT; EVEN AND WIDESPREAD OPTIC (75 DEGREES) WITH SEMI-SPECULAR FINISH; 0-10V DIMMING. L80+60,000 HRS LIGHT SOURCE.	CC	GARDCO	101L-16L-530-WG-14-4EBCP-UNV-DCX-X OR APPROVED EQUAL	LED 29W 3000K 70 CRI 3458 lm	WALL SURFACE	UNIV	EXTERIOR WALL SCONE WITH DUAL CIRCUIT CONNECTION. TYPE 5 DISTRIBUTION; L70/100,000 HRS LIGHT SOURCE. WET LOCATION RATED. BLACK FINISH; 3000 DEGREE KELVIN TEMPERATURE. PROVIDE WITH COLD WEATHER EMERGENCY BATTERY PACK.
D7, D7E	LIGHTOLIER	4RN-CAL10830WZ10U-C4RCWCC OR APPROVED EQUAL	LED 11W 3000K 80 CRI 1000 lm	RECESSED	UNIV	4" DIA LED CORNER WALLWASH DOWNLIGHT. SEMI-SPECULAR FINISH; 0-10V DIMMING. WIDE BEAM DISTRIBUTION (75 DEGREES); L90+60,000 HRS LIGHT SOURCE. WHITE FLANGE FINISH.	SB2	SELUX	IBL-3-5-3060-30-8L-120 OR APPROVED EQUAL	LED 14W 3000K 80 CRI 1083 lm	BOLLARD	120V	39" BOLLARD MOUNTED FIXTURE. L70/100,000 HRS LIGHT SOURCE. EXTERIOR + IK-10 RATED. SEMI MATTE BLACK FINISH. 3000 DEGREE KELVIN TEMPERATURE.
D8, D8E	LIGHTOLIER	4RN-CAL10830WZ10U-C4RCWCC OR APPROVED EQUAL	LED 11W 3000K 80 CRI 1000 lm	RECESSED	UNIV	4" DIA LED WALLWASH DOWNLIGHT. SEMI-SPECULAR FINISH; 0-10V DIMMING. WIDE BEAM DISTRIBUTION (75 DEGREES); L90+60,000 HRS LIGHT SOURCE. WHITE FLANGE FINISH.	SB3	SELUX	IBL-3-5-30-30-8L-120 OR APPROVED EQUAL	LED 20W 3000K 83 CRI 1580 lm	BOLLARD	120V	39" BOLLARD MOUNTED FIXTURE. L70/100,000 HRS LIGHT SOURCE. EXTERIOR + IK-10 RATED. SEMI MATTE BLACK FINISH. 3000 DEGREE KELVIN TEMPERATURE.
F, FE	INTER-LUX	WG-20LD-SM-GT15-S4M930D100D-W-XX OR APPROVED EQUAL	LED 26W 3000K 90+ CRI 1896 lm	T-GRID INLAY	UNIV	4" T-BAR IN-LAY; L70/60,000 HRS LIGHT SOURCE WITH COMPATIBLE 24V DC POWER SUPPLY AND DIMMABLE DRIVER. PROVIDE TRAY CABLE LENGTH (XX) AS NECESSARY. WHITE FINISH. 15/16" GRID CLIP FIXATION METHOD.	SL	LUCIFER	ISL2-X-80L-04B-4-SSL-2-SMB-XX / PSA-24V-30-120-L22 OR APPROVED EQUAL	LED 13W 3000K 80+ CRI 130 lm	SURFACE	120VAC 24VDC	WALL MOUNTED STEP LIGHT. EXTERIOR WET LOCATION RATED (IP-65); L70/50,000 HRS LIGHT SOURCE. INDUSTRIAL GREY FINISH. PROVIDE COMPATIBLE 120VAC TO 240VDC POWER SUPPLY. PROVIDE POWER SUPPLY QUANTITIES TO SUPPORT COMPLETE LIGHTING INSTALLATION. PROVIDE WITH EMERGENCY BATTERY PACK (CHLORIDE - ZIS25W) MOUNTED WITHIN THE BUILDING.
F2, F2E	INTER-LUX	WG-20LD-SM-GT15-S6L930D100D-W-XX OR APPROVED EQUAL	LED 13W 3000K 90+ CRI 1024 lm	T-GRID INLAY	UNIV	4" T-BAR IN-LAY; L70/60,000 HRS LIGHT SOURCE WITH COMPATIBLE 24V DC POWER SUPPLY AND DIMMABLE DRIVER. PROVIDE TRAY CABLE LENGTH (XX) AS NECESSARY. WHITE FINISH. 15/16" GRID CLIP FIXATION METHOD.	GG	WE-EF	ETC100-G8-M-730-6-3000-SS OR APPROVED EQUAL	LED 6W 3000K 85 CRI 730 lm	IN-GROUND	120V	IN-GROUND LED UPLIGHT. STAINLESS STEEL CONSTRUCTION WITH 5/8" THICK CLEAR GLASS TEMPERED LENS; SYMMETRIC - MEDIUM DISTRIBUTION BEAM. L70/80,000 HRS LIGHT SOURCE. IP67, IK10+ & SCE RATINGS. 3000 DEGREE KELVIN TEMPERATURE.
F6, F6E	INTER-LUX	WG-20LD-SM-GT15-S8M930D100D-W-XX OR APPROVED EQUAL	LED 39W 3000K 90+ CRI 2844 lm	T-GRID INLAY	UNIV	6" T-BAR IN-LAY; L70/60,000 HRS LIGHT SOURCE WITH COMPATIBLE 24V DC POWER SUPPLY AND DIMMABLE DRIVER. PROVIDE TRAY CABLE LENGTH (XX) AS NECESSARY. WHITE FINISH. 15/16" GRID CLIP FIXATION METHOD.	AA	ANP	BB12-M010L-D-W-30K-RTC-UNV-E6-73 OR APPROVED EQUAL	LED 12W 3000K 85 CRI 750 lm	WALL SURFACE	120V	WALL MOUNTED, VINTAGE STYLED PIER LIGHT; 0-10V DIMMING TO 1%, L70/50,000 HRS LIGHT SOURCE; WET LOCATION LISTED. 3000 DEGREE KELVIN TEMPERATURE. MATTE BLACK HOUSING FINISH.
J, JE	LEDALITE	490BLCKOSN7 OR APPROVED EQUAL	LED 40W/4ft 3000K 83 CRI 4199 lm/4ft	COVE	UNIV	LED COVE ACCENT LED FIXTURE. EDGE TO EDGE ILLUMINATION WITH ADJUSTABLE LENS ANGLES; 0-10V DIMMING TO 1%, L80/60,000 HRS LIGHT SOURCE. THE LENGTH (X) OF EACH FIXTURE SHALL RUN WALL TO WALL AS SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLAN.	DS, DSE	TRACE-LITE	BRK-LED4-BW-3K-ECCO OR APPROVED EQUAL	LED 8W 3000K 80 CRI 700 lm	RECESSED	UNIV	4" DIA EXTERIOR RATED LED DOWNLIGHT. 0-10V DIMMING. L70/50,000 HRS LIGHT SOURCE. WET LOCATION LISTED. 3000 DEGREE KELVIN TEMPERATURE. MATTE BLACK HOUSING FINISH.

- NOTES:
- THE NAMED MANUFACTURER LISTED IN THE LUMINAIRE SCHEDULE IS THE BASIS OF DESIGN. IF THE CONTRACTOR CHOOSES TO PROVIDE AN EQUIVALENT MANUFACTURER, THE LIGHT FIXTURE SUBMITTAL SHALL INCLUDE, IN ADDITION TO THE PROPOSED LIGHT FIXTURE CUT SHEETS, LIGHTING CALCULATIONS FOR ALL INTERIOR AND EXTERIOR AREAS. THE EQUAL FIXTURE APPROVAL SHALL BE BASED ON THE AESTHETICS, QUALITY, CONSTRUCTION AND OPTICAL PERFORMANCE BY THE ENGINEER AND OR ARCHITECT. FIXTURE SAMPLES SHALL BE PROVIDED AS REQUESTED BY THE ENGINEER AND OR ARCHITECT.
 - REFER TO THE ELECTRICAL SPECIFICATIONS FOR ADDITIONAL GENERAL REQUIREMENTS.
 - FIXTURES SHALL BE UL OR ETL LISTED. DLC LISTING TO MATCH SUBMITTED.
 - MOUNTING HARDWARE SUCH AS HANGERS, BRACKETS, RAILS, YOKES, STEMS, CHAINS, ETC., SHALL BE PROVIDED AS NECESSARY TO MOUNT SPECIFIED FIXTURE.
 - REFER TO ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR SPECIFIC DETAILS, ARRANGEMENT, MOUNTING HEIGHTS, CEILING CONSTRUCTION, ETC., COLORS AND FINISHES SHALL BE SELECTED BY THE ARCHITECT.
 - FIXTURES SHALL BE SEISMICALLY SUPPORTED AS REQUIRED BY THE APPLICABLE BUILDING CODE. RECESSED FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE WITH A MINIMUM OF 2 SUPPORTS.
 - WIRE EMERGENCY FIXTURES AND EXIT SIGNS AHEAD OF SWITCHED LEGS.
 - EC SHALL COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR EXACT LENGTHS. EC TO INSTALL FOLLOWING MANUFACTURER RECOMMENDATIONS.
 - FIXTURE SHADING AND TYPE MARKS ENDING WITH 'E', DENOTE FIXTURE CONNECTED TO EMERGENCY LIGHTING FEED VIA BATTERY BACKED INVERTER PANEL.
 - ALL FIXTURE FINISHES AND MOUNTING METHODS TO BE DETERMINED BY THE ARCHITECT.



DRAWING TITLE
LIGHTING FIXTURE SCHEDULES

GLAST. BID NO.	GL-2020-19
PROJ. NO.	190101
SCALE	1/8" = 1'-0"
DATE	6.1.2020
DRAWN BY	MO
APPROVED BY	VCN

ISSUE DATES		
NO.	DATE	PURPOSE