

Greater Peoria Mass Transit District

CityLink Transit Center Renovation

407 SW ADAMS STREET

PEORIA, IL 61602

LOCATION MAP



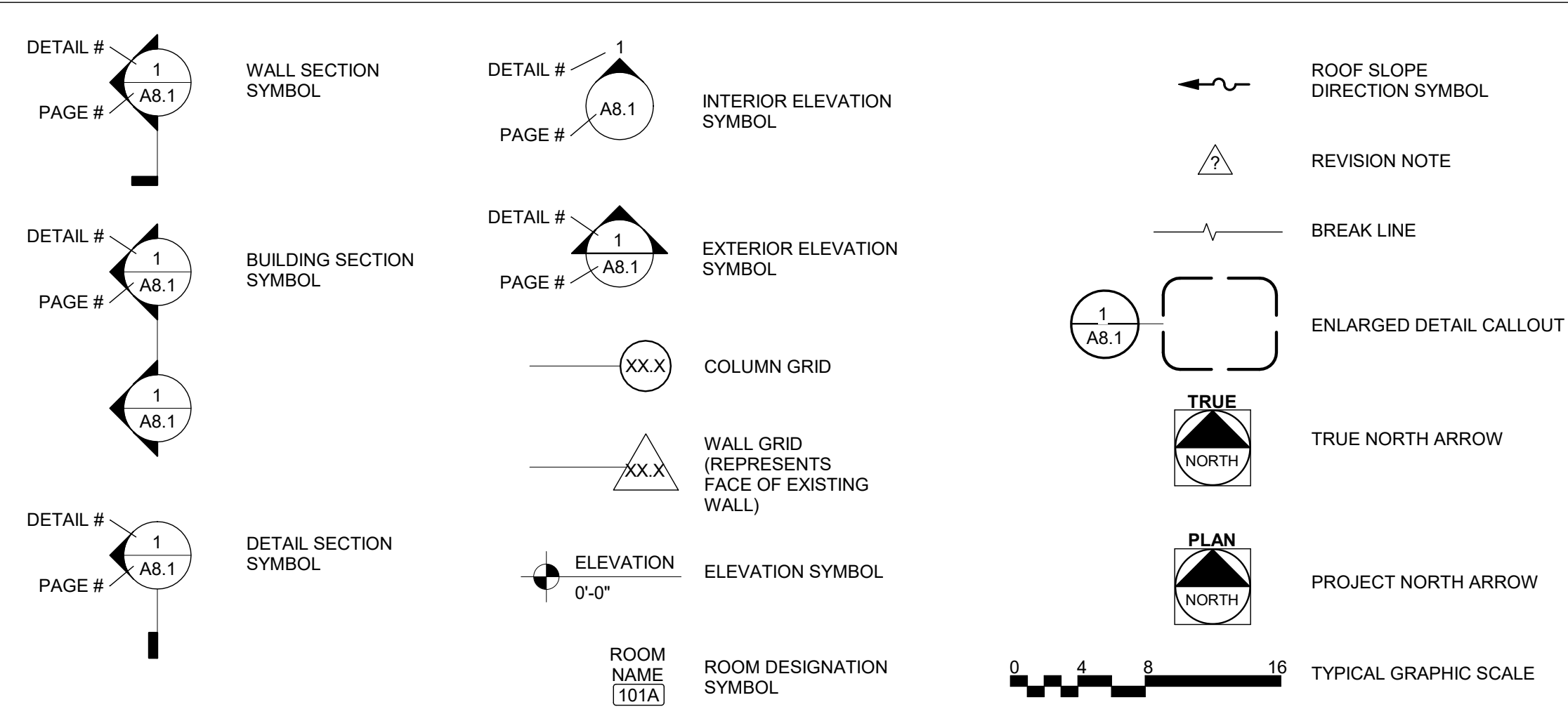
PROJECT IMAGE



PROFESSIONAL REGISTRATIONS

<div><div></div><div>SIGNATURE: _____ NAME: <u>Addrieune Coussens</u> DATE: _____ LICENSE RENEWAL DATE: <u>11-20-2020</u> PAGES OR DIVISIONS COVERED: _____ STRUCTURAL</div></div>	<div><div></div><div>SIGNATURE: _____ NAME: <u>Dustin R. Rhoades</u> DATE: _____ LICENSE RENEWAL DATE: <u>11-30-2019</u> PAGES OR DIVISIONS COVERED: _____ FIRE PROTECTION, PLUMBING, & MECHANICAL</div></div>
<div><div></div><div>SIGNATURE: _____ NAME: <u>Douglas Roy Draeger</u> DATE: _____ LICENSE RENEWAL DATE: <u>11-30-2020</u> PAGES OR DIVISIONS COVERED: _____ ARCHITECTURAL</div></div>	<div><div></div><div>SIGNATURE: _____ NAME: <u>Jay D. Eman</u> DATE: _____ LICENSE RENEWAL DATE: <u>11-30-2019</u> PAGES OR DIVISIONS COVERED: _____ ELECTRICAL</div></div>

GENERAL SYMBOL LEGEND



DEFERRED SUBMITTALS

THE FOLLOWING SYSTEMS ARE A DESIGN/BUILD RESPONSIBILITY OF THE CONTRACTOR OR PRODUCT MANUFACTURER AND WILL REQUIRE THE DEFERRED SUBMITTAL OF DESIGN WORK TO THE CITY OF ANYWHERE FOR PLAN REVIEW AND PERMITTING:

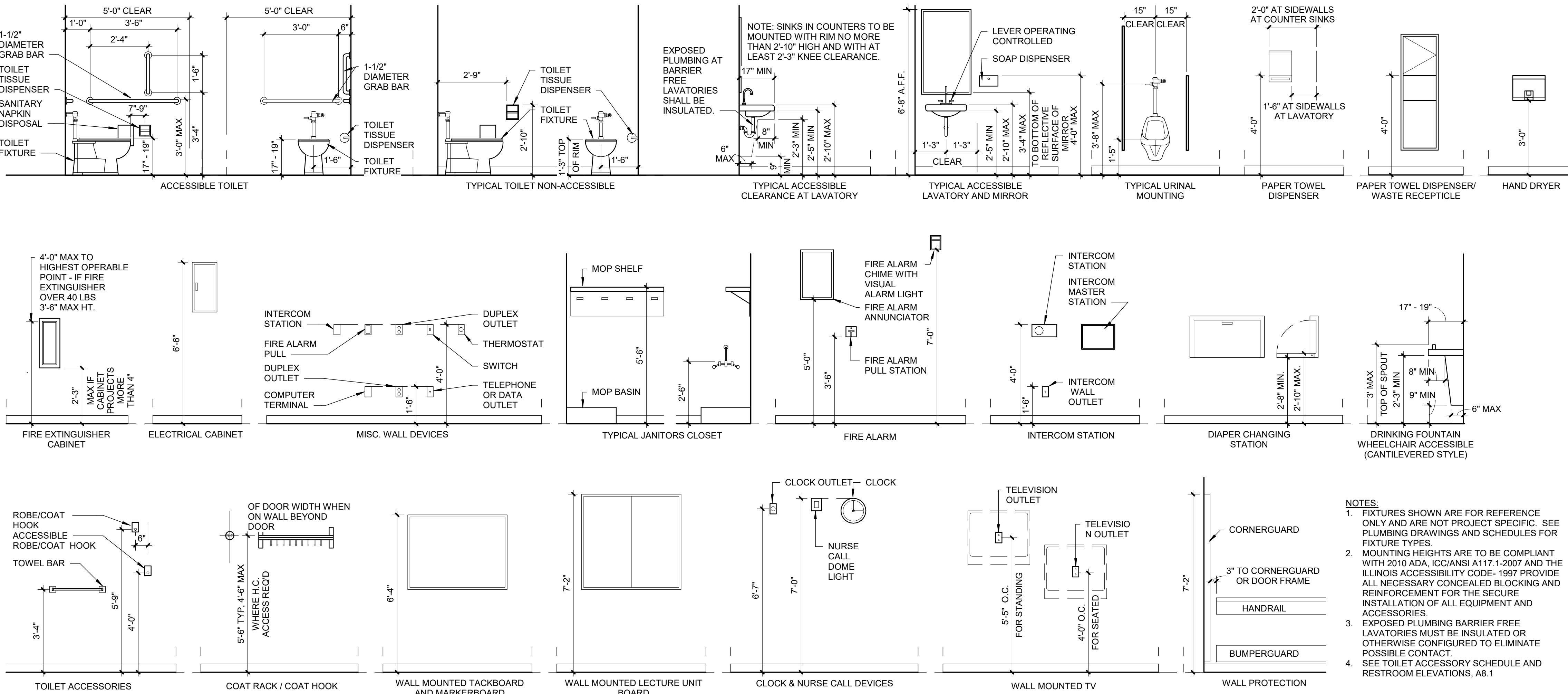
1. FIRE SPRINKLER SYSTEMS
2. FIRE ALARM SYSTEMS

BID ALTERNATES

REFERENCE SECTION 00 2113 AND 00 4100 OF THE PROJECT MANUAL FOR THE SCHEDULE OF BID ALTERNATES TO BE INCLUDED WITH THE BID PACKAGE

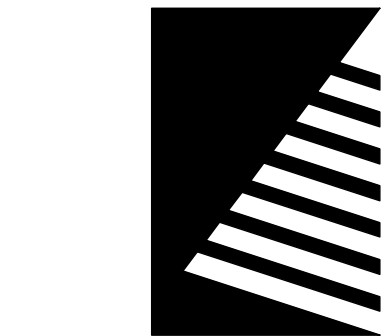
DRAWING LIST

GENERAL	
G0.1	GENERAL INFORMATION
LS1.1	LIFE SAFETY PLANS
STRUCTURAL	
S0.1	GENERAL STRUCTURAL NOTES AND DETAILS
ARCHITECTURAL	
A0.1	ARCHITECTURAL SYMBOLS, ABBREVIATIONS AND NOTES
AD1.1	DEMOLITION PLAN
AD9.1	REFLECTED CEILING DEMOLITION PLANS
A1.0	FLOOR PLANS
A1.1	ENLARGED PLANS
A7.1	PARTITION TYPES
A7.2	DOOR SCHEDULE, ELEVATIONS AND DETAILS
A8.1	INTERIOR ELEVATIONS AND ENLARGED PLANS
A8.2	INTERIOR ELEVATIONS AND ENLARGED PLANS
A9.1	REFLECTED CEILING PLANS
INTERIORS	
I0.1	PRODUCT SCHEDULES, SYMBOLS AND ABBREVIATIONS
I1.1	FINISH PLANS
FIRE PROTECTION	
F0.1	FIRE PROTECTION GENERAL INFORMATION
F1.1	FIRST FLOOR FIRE PROTECTION PLANS
F1.2	SECOND FLOOR FIRE PROTECTION PLANS
PLUMBING	
P0.1	PLUMBING GENERAL INFORMATION
P1.0	UNDERSLAB PLUMBING PLANS
P1.1	FIRST FLOOR PLUMBING PLANS
P1.2	SECOND FLOOR PLUMBING PLANS
P6.1	PLUMBING SCHEDULES
MECHANICAL	
M0.1	MECHANICAL GENERAL INFORMATION
MD1.1	MECHANICAL DEMOLITION PLAN
M1.1	VENTILATION PLANS
M2.1	MECHANICAL SCHEDULES
ELECTRICAL	
E0.1	ELECTRICAL SYMBOLS
E0.2	ELECTRICAL GENERAL NOTES AND ABBREVIATIONS
ED1.1	FIRST FLOOR ELECTRICAL DEMOLITION PLANS
ED1.2	SECOND FLOOR ELECTRICAL DEMOLITION PLAN
E1.1	NEW FLOOR PLANS
E5.1	ELECTRICAL SCHEDULES
E6.1	ENLARGED LIGHTING PLANS
E6.2	ENLARGED POWER PLANS
E6.3	ENLARGED SYSTEMS PLANS



STANDARD MOUNTING HEIGHTS

Scale: 3/8" = 1'-0"



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Engineers | Architects | Surveyors | Scientists

ISSUE:
DATE: DESCRIPTION:

BID SET
05/28/2019

PROJECT:
Greater Peoria Mass Transit District

CityLink Transit
Center Renovation

407 SW ADAMS STREET
PEORIA, IL 61602

DATE: 05/28/2019

DESIGNED: PEK

DRAWN: TAW

REVIEWED: DRD

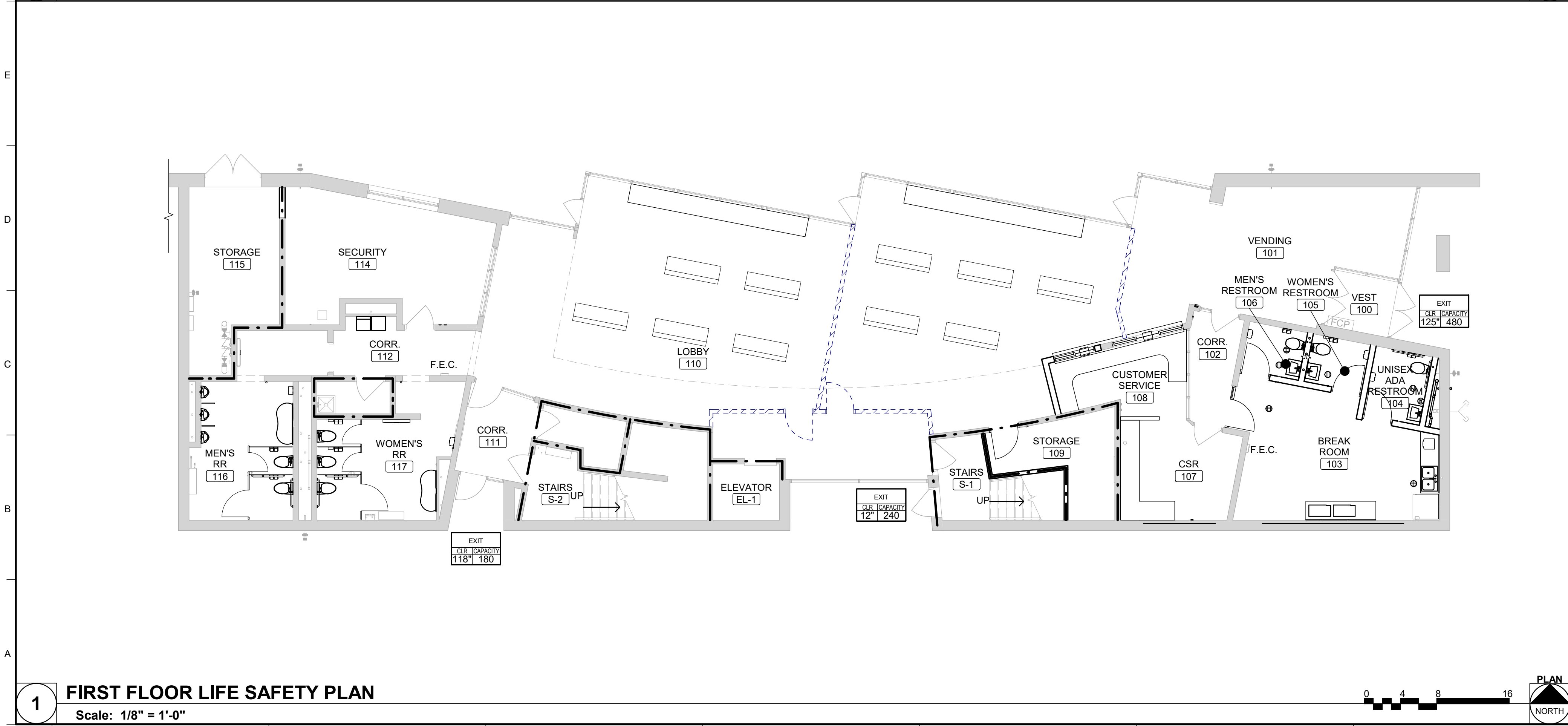
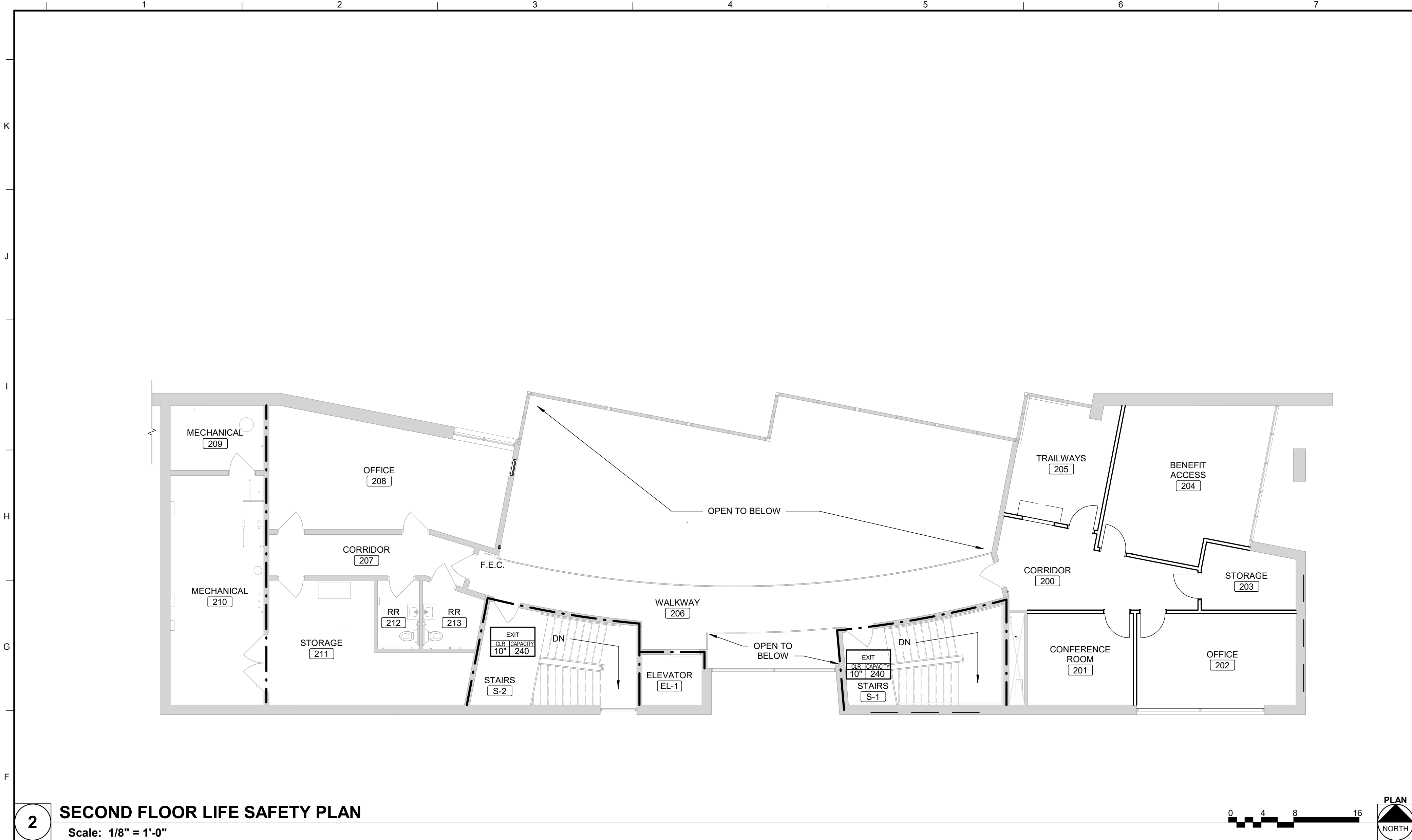
SHEET TITLE:

GENERAL
INFORMATION

SHEET NUMBER:

G0.1

PROJECT NO.: 0180459.04



CODE INFORMATION	LIFE SAFETY GENERAL NOTES
PROPOSED USE: OWNED BY: PRIVATE LOCAL GOVERNMENT ■ CITY/COUNTY STATE CODE ENFORCEMENT JURISDICTION: ■ CITY COUNTY APPLICABLE CODES: 2012 INTERNATIONAL PROPERTY MAINTENANCE CODE 2013 STATE OF ILLINOIS PLUMBING CODE 2012 INTERNATIONAL BUILDING CODE 2012 INTERNATIONAL EXISTING BUILDING CODE 2012 INTERNATIONAL RESIDENTIAL CODE 2012 INTERNATIONAL MECHANICAL CODE 2012 INTERNATIONAL FUEL GAS CODE 2012 INTERNATIONAL FIRE CODE 2014 NATIONAL ELECTRICAL CODE 2015 INTERNATIONAL ENERGY CONSERVATION CODE 2018 ILLINIOS ACCESSIBILITY CODE GENERAL CODE INFORMATION: CONSTRUCTION TYPE: 2B PRIMARY OCCUPANCY: B SECONDARY OCUPANCY: A NEW CONSTRUCTION ■ RENOVATION (EXISTING BLDG) MIXED CONSTRUCTION ■ SPRINKLERED MEZZANINE ■ MIXED OCCUPANCY • PLUMBING CODE REVIEW: NO CHANGE TO EXISTING OCCUPANT LOAD. RENOVATION WORK INCLUDES THE REMOVAL AND REPLACEMENT OF FIXTURES THAT WILL SERVE THE SAME PURPOSE. • EGRESS INFORMATION: NO CHANGE TO EXISTING EXITS OR OCCUPANT LOAD.	A. SEE SHEETS G0.1 & A0.1 FOR SYMBOLS AND ABBREVIATIONS. B. SEE CIVIL DRAWINGS FOR INFORMATION INCLUDING CONCRETE SIDEWALKS, CONCRETE PADS, AND PARKING CONFIGURATIONS. CIVIL BACKGROUND DRAWING INFORMATION IS FOR REFERENCE ONLY. C. SEE STRUCTURAL DRAWINGS FOR FRAMING INFORMATION & FRAMING DIMENSIONS. ALL DIMENSIONS ARE FOR REFERENCE ONLY- VERIFY ALL FRAMING WITH STRUCTURAL DRAWINGS. D. REFER TO PLUMBING DRAWINGS FOR INFORMATION CONCERNING PLUMBING FIXTURES AND PIPING SYSTEM(S). E. REFER TO MECHANICAL DRAWINGS FOR INFORMATION CONCERNING HVAC SYSTEM(S). F. REFER TO ELECTRICAL DRAWINGS FOR INFORMATION CONCERNING POWER, LIGHTING AND COMMUNICATION SYSTEM(S). G. REFER TO ELECTRICAL DRAWING FOR FIRE ALARM NOTIFICATION AND EMERGENCY EGRESS LIGHTING LOCATIONS. H. REFER TO PARTITION TYPES FOR FURTHER FIRE SEPARATION REQUIREMENTS. I. CONTRACTOR TO PROVIDE ALL ADDITIONAL FRAMING NECESSARY FOR ALL OPENINGS AND SUPPLEMENTAL FRAMING ABOVE PARTITIONS. J. ALL FIRE RATED ASSEMBLIES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH TESTED ASSEMBLIES INDICATED. K. EXTEND FIRE RATED PARTITIONS, BARRIERS, AND OTHER SEPARATIONS TO BOTTOM OF ROOF/FLOOR DECK ABOVE (OR AS DIRECTED BY UL ASSEMBLY) AND TO EXTERIOR WALL. SEAL JOINT BETWEEN EDGES OF PARTITION WITH FIRE RATED SEALANT AND/OR INTUMESCENT ASSEMBLY. L. ALL PENETRATIONS OF FIRE-RATED ASSEMBLIES SHALL BE FIRE-SEALED IN ACCORDANCE WITH APPROVED MANUFACTURER'S DETAIL FOR LOCATION, TYPE OF CONSTRUCTION, PENETRATING ITEM AND RATING REQUIRED. M. ALL DUCTWORK, DIFFUSERS AND GRILLES PENETRATING FIRE-RATED WALLS, CEILINGS AND FLOORS SHALL HAVE THE APPROPRIATE TYPE OF FIRE/SMOKE DAMPER IN ACCORDANCE WITH THE TYPE OF CONSTRUCTION BEING PENETRATED AND THE FIRE/SMOKE RATING REQUIRED. N. ALL LIGHT FIXTURES AND ELECTRICAL DEVICES PENETRATING FIRE-RATED ASSEMBLIES SHALL BE UL-LISTED FOR INSTALLATION IN THE ASSEMBLY OR SHALL BE INSTALLED SUCH THAT THE FIRE-RATING IS NOT COMPROMISED. O. SMOKE RESISTANT CONSTRUCTION SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE CODES. AREA SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING BE CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE. THE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE UNDERSIDE OF THE FLOOR OR ROOF ASSEMBLY ABOVE. DOORS SHALL BE SELF OR AUTOMATIC CLOSING. DOORS SHALL NOT HAVE AIR TRANSFER OPENINGS AND SHALL NOT BE UNDERCUT IN EXCESS OF CLEARANCE PERMITTED WITH ACCORDANCE TO NFPA 80. P. STORAGE OF ANY FLAMMABLE OR COMBUSTIBLE LIQUIDS IS UNDERSTOOD TO NOT BE WITHIN THE BUILDING. STORAGE OF ANY MATERIAL IS TO BE IN COMPLIANCE WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.

LIFE SAFETY LEGEND
1 HOUR FIRE SEPARATION
EGRESS IDENTIFICATION
EXIT IDENTIFICATION EGRESS CLEAR WIDTH EXTERIOR EXIT EXIT CAPACITY EXIT #
AREA OF REFUGE
HAZARDOUS LOCATION
FEB FIRE EXTINGUISHER BRACKET
FEC FIRE EXTINGUISHER CABINET
FBC FIRE BLANKET CABINET
EMERGENCY RESPONSE REFERENCE
CA CONTROLLED ACCESS - ALWAYS UNLOCKED IN DIRECTION OF EGRESS
KB KNOX BOX
DE DELAYED EGRESS W/ ALARM
TEMPORARY PARTITIONS

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DRAWN: TAW
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SHEET TITLE:
LIFE SAFETY PLANS

SHEET NUMBER:
LS1.1

PROJECT NO.: 0180459.04

	1	2	3	4	5	6	7	8	9	10
	GENERAL CONSTRUCTION:		MASONRY:		CONCRETE PLACEMENT		STEEL:			
K	1. ALL DETAILS, SECTIONS, AND PLAN NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO SIMILAR CONDITIONS ELSEWHERE.		1. ENGINEERED MASONRY DESIGNED IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (ACI 530/ASCE 5/TMS 402) BY THE AMERICAN CONCRETE INSTITUTE, THE AMERICAN SOCIETY OF CIVIL ENGINEERS, AND THE MASONRY SOCIETY.		1. CONCRETE PLACEMENT: COMPLY WITH ACI 304, FOR PLACING CONCRETE IN A CONTINUOUS OPERATION WITHIN PLANNED JOINTS OR SECTIONS. DO NOT BEGIN CONCRETE PLACEMENT UNTIL OTHER AFFECTED WORK IS COMPLETED.		1. STRUCTURAL STEEL IS DESIGNED IN ACCORDANCE WITH AND SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS," AND THE AISC "STEEL CONSTRUCTION MANUAL".			
J	2. THESE NOTES SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND THE DRAWINGS. IN THE EVENT OF A CONFLICT, NOTIFY THE ENGINEER FOR CLARIFICATION.		2. DESIGN COMPRESSIVE STRENGTH OF MASONRY UNITS (Fm): CONCRETE MASONRY 1500 PSI		2. CONSOLIDATE PLACED CONCRETE USING MECHANICAL VIBRATING EQUIPMENT WITH HAND RODDING AND TAMPING SO THAT CONCRETE IS WORKED AROUND REINFORCEMENT AND OTHER EMBEDDED ITEMS AND INTO FORMS.		2. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS: CHANNELS A36 ANGLES A36 STRUCTURAL PLATE AND BARS A36		5 DECK OVER INTERIOR WALL Scale: 3/4" = 1'-0"	
	3. THE CONTRACTOR SHALL VERIFY, BY FIELD CHECK, ALL SIZES, DIMENSIONS, ELEVATIONS, LOCATIONS, ETC., OF THE EXISTING CONSTRUCTION WHICH ARE RELATIVE TO THE CONSTRUCT AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.		3. MINIMUM COMPRESSIVE STRENGTH (F'c) AT 28 DAYS: TYPE S MORTAR, ASTM C270 1800 PSI GROUT, ASTM C476 2500 PSI		3. PROTECT CONCRETE FROM PHYSICAL DAMAGE OR REDUCED STRENGTH DUE TO WEATHER EXTREMES DURING MIXING, PLACING, AND CURING. A. IN COLD WEATHER, COMPLY WITH ACI 306. B. IN HOT WEATHER, COMPLY WITH ACI 305.		3. SHOP CONNECTIONS MAY BE WELDED OR HIGH STRENGTH BOLTED AT FABRICATOR'S OPTION, SUBJECT TO ENGINEER'S APPROVAL.			
I	4. REQUESTS FOR INFORMATION SHALL BE SUBMITTED TO THE ARCHITECT UNLESS OTHERWISE NOTED.		4. BOND BEAMS AND ALL VERTICAL REINFORCEMENT: A. NEW BILLET STEEL COMPLYING WITH ASTM A615 AND HAVING MINIMUM YIELD STRENGTH OF 60,000 PSI. B. REINFORCE AND GROUT SOLID FIRST CELL ADJACENT TO ALL OPENINGS UNDER LINTELS USING SAME SIZE BAR AS INDICATED FOR WALL REINFORCING. C. LAP DOWELS PROJECTING FROM FOUNDATION. D. GROUT REINFORCED CELLS SOLID. E. WHERE BOND BEAMS ARE CONTINUOUS AT CORNERS, PROVIDE CORNER BARS WITH MINIMUM 40 BAR DIAMETER LAP SPLICE ON EACH LEG. F. BOND BEAMS SHALL BE CONTINUOUS ACROSS VERTICAL CONTROL JOINTS.		4. FINISH OF FORMED SLAB SURFACES: A. SMOOTH-FORMED FINISH: PROVIDE A SMOOTH FINISH FOR CONCRETE SURFACES EXPOSED TO VIEW AND SURFACES TO BE COVERED WITH A COATING OR COVERING MATERIAL APPLIED DIRECTLY TO CONCRETE. REPAIR AND PATCH DEFECTIVE AREAS, WITH FINIS AND OTHER PROJECTIONS COMPLETELY REMOVED AND SMOOTHED. B. FLOAT FINISH: APPLY FLOAT FINISH TO MONOLITHIC SLAB SURFACES TO RECEIVE TROWEL FINISH WHEN SURFACE WATER HAS DISAPPEARED AND WHEN CONCRETE HAS STIFFENED SUFFICIENTLY TO PERMIT OPERATION OF POWER-DRIVEN FLOATS. CONSOLIDATE SURFACE WITH POWER-DRIVEN FLOATS OR BY HAND-FLOATING. a. CHECK AND LEVEL SURFACE PLANE TO TOLERANCES OF F(F)18 (FLOOR FLATNESS) AND FL(1)5 (FLOOR LEVELNESS), CUT DOWN HIGH SPOTS AND FILL LOW SPOTS. UNIFORMLY SLOPE SURFACES TO DRAINS. b. IMMEDIATELY AFTER LEVELING, REFLOAT SURFACE TO A UNIFORM, SMOOTH, GRANULAR TEXTURE. C. TROWEL FINISH: APPLY TROWEL FINISH TO MONOLITHIC SLAB SURFACES TO BE EXPOSED TO VIEW AND SLAB SURFACES TO BE COVERED WITH PAINT OR OTHER THIN FILM-FINISH COATING SYSTEM. a. AFTER FLOATING, BEGIN FIRST TROWEL-FINISH OPERATION USING A POWER-DRIVEN TROWEL. BEGIN FIRST TROWEL WHEN SURFACE PRODUCES A RINGING SOUND AS TROWEL IS MOVED OVER SURFACES. b. CONSOLIDATE CONCRETE SURFACE BY FINAL HAND-TROWELING OPERATION, FREE OF TROWEL MARKS, UNIFORM IN TEXTURE AND APPEARANCE, AND WITH SURFACE LEVELED TO TOLERANCES OF F(F)20 (FLOOR FLATNESS) AND FL(1)7 (FLOOR LEVELNESS). c. GRIND SMOOTH SURFACE DEFECTS THAT WOULD TELEGRAPH THROUGH APPLIED FLOOR COVERING SYSTEM.		4. ALL BOLTED CONNECTIONS FOR STRUCTURAL STEEL SHALL CONFORM TO AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".		7. PROVIDE ALL BOLT HOLES, STUDS, ANCHORS, AND CLIP ANGLES REQUIRED TO ATTACH OTHER MATERIALS AS SHOWN ON THE DRAWINGS.	
H	5. THE CONTRACTOR IS TO ASSUME FULL RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS OR PERIODIC OBSERVATIONS, FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.		5. BED JOINT REINFORCEMENT: A. CONTINUOUS HORIZONTAL WIRE TIES SHALL BE PLACED SUCH THAT THE DISTANCE BETWEEN THE FACE OF THE MASONRY WALL AND THE PARALLEL WIRE IS NOT MORE THAN ONE INCH. THE PARALLEL WIRES SHALL CONFORM TO ASTM A82 AND HAVE A MINIMUM YIELD STRESS OF 70.0 KSI. B. SINGLE WYTHE BLOCK: a. 2-#5 GAGE DEFORMED WIRES, (1) AT EACH FACE SHELL, TRUSS TIED. C. BED JOINT REINFORCEMENT CLEAR COVER: a. EXTERIOR FACE (EXPOSED TO ELEMENTS): 5/8" MIN b. INTERIOR FACE (EXPOSED TO ELEMENTS): 1/2" MIN		5. CURING: A. PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURE. IN HOT, DRY, AND WINDY WEATHER, APPLY AN EVAPORATION-CONTROL COMPOUND ACCORDING TO MANUFACTURER'S INSTRUCTIONS AFTER SCREEDING AND BULL FLOATING, BUT BEFORE POWER FLOATING AND TROWELING. B. BEGIN INITIAL CURING AS SOON AS FREE WATER HAS DISAPPEARED FROM EXPOSED SURFACES. C. CONTINUE CURING UNFORMED CONCRETE SURFACES BY WATER PONDING, CONTINUOUS FOG SPRAYING, CONTINUOUSLY WETTED ABSORPTIVE COVER, OR BY MOISTURE-RETAINING COVER CURING. CURE FORMED SURFACES BY MOIST CURING UNTIL FORMS ARE REMOVED. KEEP CONCRETE CONTINUOUSLY MOIST FOR NOT LESS THAN 7 DAYS. D. APPLY MEMBRANE-FORMING CURING COMPOUND TO EXPOSED INTERIOR SLABS AND TO EXTERIOR SLABS, WALKS AND CURBS AS SOON AS FINAL FINISHING OPERATIONS ARE COMPLETE. APPLY UNIFORMLY ACCORDING TO MANUFACTURER'S DIRECTIONS. RECOAT AREAS SUBJECTED TO HEAVY RAINFALL WITHIN 3 HOURS AFTER INITIAL APPLICATION. MAINTAIN CONTINUITY OF COATING AND REPAIR DAMAGE DURING CURING PERIOD.		5. UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS, ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER HIGH STRENGTH BOLTS, BEARING TYPE WITH THREADS IN THE SHEAR PLANE, CONFORMING TO ASTM A325N.		4 SLAB JOINT DETAILS Scale: 1" = 1'-0"	
G	6. THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE BASED ON MATERIAL PROVIDED BY THE OWNER AND NO CLAIM IS MADE AS TO ITS ABSOLUTE COMPLETENESS AND/OR ACCURACY PRIOR TO THE START OF CONSTRUCTION OPERATIONS.		7. UNLESS OTHERWISE NOTED EXPANSION JOINTS SHALL BE PLACED IN CONCRETE MASONRY WALLS AT A MAXIMUM SPACING OF THE LESSER OF 3 TIMES THE WALL HEIGHT OR 25 FEET.		6. USE LIGHTWEIGHT CONCRETE MASONRY UNITS ABOVE GRADE.		6. ALL WELDED CONNECTIONS FOR STRUCTURAL STEEL SHALL CONFORM TO AWS "STRUCTURAL WELDING CODE," D1.1 AND MADE WITH E70-XX LOW HYDROGEN ELECTRODES.			
F	7. WHERE NEW CONSTRUCTION ABUTS OR INTEGRATES WITH EXISTING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITIONS AND DIMENSIONS ARE CLOSE TO THOSE THAT HAVE BEEN ASSUMED. IF THERE ARE ANY VARIANCES THAT WILL PREVENT THE WORK FROM BEING COMPLETED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, THEY SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY UPON DISCOVERY. THE ENGINEER SHALL ADVISE THE CONTRACTOR AS TO THE NECESSARY MODIFICATIONS.		8. REINFORCE CELLS BOTH SIDES OF CONTROL JOINTS WITH TYPICAL WALL REINFORCEMENT.		8. REINFORCE CELLS BOTH SIDES OF CONTROL JOINTS WITH TYPICAL WALL REINFORCEMENT.		8. ALL STEEL SHALL HAVE ONE SHOP COAT OF PRIMER, EXCEPT WHERE PROHIBITED BY THE REQUIREMENTS OF THE "SPECIFICATION FOR STRUCTURAL JOINTS" USING ASTM A325 BOLTS.		NOTE: TAKE SPECIAL PRECAUTIONS PER ACI302.1R TO PREVENT DIFFERENTIAL CURING WHEN USING A VAPOR BARRIER.	
E	9. SEE ARCHITECTURAL DRAWINGS FOR: • SIZE AND LOCATION OF STOREFRONT SYSTEMS, DOOR, AND WINDOW OPENINGS, EXCEPT AS SHOWN OR NOTED. • FLOOR AND ROOF FINISHES, DRAINAGE, AND WATERPROOFING • FIREPROOFING REQUIREMENTS INCLUDING FIREPROOFING OF STRUCTURAL STEEL • DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.		STRUCTURAL CONCRETE:		CONCRETE TESTING		7 HSS DECK SUPPORT END CONNECTIONS Scale: 1" = 1'-0"		3 TYP SLAB CRACK CONTROL DETAILS Scale: 1/2" = 1'-0"	
D	10. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR: • PIPE RUNS, SLEEVES, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED. • ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS • CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL, OR PLUMBING FIXTURES.		1. REINFORCED CONCRETE DESIGNED IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) BY THE AMERICAN CONCRETE INSTITUTE.		1. FIELD QUALITY CONTROL: THE OWNER WILL EMPLOY A TESTING AGENCY TO PERFORM TESTS AND TO SUBMIT TEST REPORTS. SAMPLING AND TESTING FOR QUALITY CONTROL DURING CONCRETE PLACEMENT. TESTING MAY INCLUDE THE FOLLOWING, AS DIRECTED BY THE STRUCTURAL ENGINEER. A. SAMPLING FRESH CONCRETE: ASTM C 172, EXCEPT MODIFIED FOR SLUMP TO COMPLY WITH ASTM C 94. B. SLUMP: ASTM C 143, ONE TEST AT POINT OF DISCHARGE FOR EACH DAY'S POUR OF EACH TYPE OF CONCRETE. ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY SEEMS TO HAVE CHANGED. C. AIR CONTENT: ASTM C 173, VOLUMETRIC METHOD FOR LIGHTWEIGHT OR, NORMAL WEIGHT CONCRETE; ASTM C 231, PRESSURE METHOD FOR NORMAL WEIGHT CONCRETE. ONE FOR EACH DAY'S POUR OF EACH TYPE OF AIR-ENTRAINED CONCRETE. D. CONCRETE TEMPERATURE: ASTM C 1064; ONE TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEGREES F AND BELOW, WHEN 80 DEGREES F AND ABOVE, AND ONE TEST FOR EACH SET OF COMPRESSIVE STRENGTH SPECIMENS. E. COMPRESSION TEST SPECIMEN: ASTM C 31; ONE SET OF FOUR STANDARDS CYLINDERS FOR LABORATORY CURED TEST SPECIMENS EXCEPT WHEN FIELD-CURED TEST SPECIMENS ARE REQUIRED. F. COMPRESSIVE-STRENGTH TESTS: ASTM C 39; ONE SET FOR EACH DAY'S POUR EXCEEDING 50 CU. YD. PLUS ADDITIONAL SETS FOR EACH 100 CU. YD. MORE THAN THE FIRST 50 CU. YD. OF EACH CONCRETE PLACED IN ANY ONE DAY; ONE SPECIMEN RETAINED IN RESERVE FOR LATER TESTING IF REQUIRED.		7 HSS DECK SUPPORT END CONNECTIONS Scale: 1" = 1'-0"		3 TYP SLAB CRACK CONTROL DETAILS Scale: 1/2" = 1'-0"	
C	11. FOR PIPES EMBEDDED IN CONCRETE OR CMU: A. CONCRETE: a. PIPES SHALL NOT DISPLACE OR INTERRUPT REINFORCING BARS. b. DO NOT STACK CONDUITS. SPACE EMBEDDED PIPES/CONDUITS AT A MINIMUM OF 3 DIAMETERS CLEAR FROM OTHER EMBEDDED PIPES/CONDUITS AND REBAR. B. CMU: PIPES SHALL NOT BE EMBEDDED IN CMU EXCEPT WHERE SPECIFICALLY DETAILED. CONDUITS MAY BE EMBEDDED IF ALL OF THE FOLLOWING ARE TRUE. a. CONDUITS ARE 3/4" IN DIAMETER. b. CONDUITS ARE NOT PLACED IN A CELL WITH REINFORCEMENT. c. CONDUITS ARE A MINIMUM OF 24" FROM JAMB/END REINFORCEMENT IN FULLY GROUTED WALLS. d. CELLS WITH CONDUITS ARE SPACED 32" O.C. MIN. e. (2) MAX CONDUITS PER UNREINFORCED CELL, 3 DIAMETERS (MIN). f. CONDUITS ARE VERTICAL.		2. REINFORCING BAR DETAILING, FABRICATING, AND PLACING SHALL CONFORM TO THE CONCRETE REINFORCING STEEL INSTITUTE'S "REINFORCING BAR DETAILING" AND "PLACING REINFORCING BARS".		2. WHEN FREQUENCY OF TESTING WILL PROVIDE FEWER THAN FIVE STRENGTH TESTS FOR A GIVEN CLASS OF CONCRETE, CONDUCT TESTING FROM AT LEAST FIVE RANDOMLY SELECTED BATCHES OR FROM EACH BATCH IF FEWER THAN FIVE ARE USED.		7 HSS DECK SUPPORT END CONNECTIONS Scale: 1" = 1'-0"		3 TYP SLAB CRACK CONTROL DETAILS Scale: 1/2" = 1'-0"	
B	12. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED ROOF OR FLOOR. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.		3. MINIMUM CONCRETE COMPRESSIVE STRENGTH (F'c) AT 28 DAYS: SLABS ON GRADE 4000 PSI		3. WHEN TOTAL QUANTITY OF A GIVEN CLASS OF CONCRETE IS LESS THAN 50 CU. YD., STRUCTURAL ENGINEER MAY WAIVE STRENGTH TESTING IF ADEQUATE EVIDENCE OF SATISFACTORY STRENGTH IS PROVIDED.		7 HSS DECK SUPPORT END CONNECTIONS Scale: 1" = 1'-0"		3 TYP SLAB CRACK CONTROL DETAILS Scale: 1/2" = 1'-0"	
A	13. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE DESIGN INTENT FOR THE FINISHED STRUCTURE. THEY DO NOT INDICATE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE CONTRACTOR IS RESPONSIBLE FOR PROVISIONS OF TEMPORARY SHORING AND OTHER CONSTRUCTION AIDS, INCLUDING ALL ENGINEERING OF SUCH SYSTEMS, FOR TEMPORARY SUPPORT OF NEW AND/OR EXISTING STRUCTURAL ELEMENTS AS REQUIRED FOR ERECTION AND OTHER CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION, UNLESS NOTED OTHERWISE. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.		4. CONCRETE REINFORCEMENT: A. DEFORMED BARS - NEW BILLET STEEL COMPLYING WITH ASTM A615 AND HAVING A MINIMUM YIELD STRENGTH OF 60000 PSI. B. WELDED WIRE FABRIC - SMOOTH WIRE FABRIC COMPLYING WITH ASTM A185.		4. WHEN STRENGTH OF FIELD-CURED CYLINDERS IS LESS THAN 85 PERCENT OF COMPANION LABORATORY-CURED CYLINDERS, EVALUATE CURRENT OPERATIONS AND PROVIDE CORRECTIVE PROCEDURES FOR PROTECTING AND CURING THE IN-PLACE CONCRETE.		7 HSS DECK SUPPORT END CONNECTIONS Scale: 1" = 1'-0"		3 TYP SLAB CRACK CONTROL DETAILS Scale: 1/2" = 1'-0"	

SHOP DRAWING REVIEW:

- PRIOR TO SUBMITTAL OF A SHOP DRAWING OR ANY RELATED MATERIAL TO FARNSWORTH GROUP, THE GENERAL CONTRACTOR SHALL:
 - REVIEW EACH SUBMISSION FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATIONS FOR CONSTRUCTION AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
 - REVIEW AND APPROVE EACH SUBMISSION.
 - STAMP EACH SUBMISSION AS APPROVED.
- FARNSWORTH GROUP SHALL ASSUME THAT NO SUBMISSION COMPRISES A VARIATION UNLESS THE GENERAL CONTRACTOR ADVISES FARNSWORTH GROUP WITH WRITTEN DOCUMENTATION.
- SHOP DRAWINGS AND RELATED MATERIAL (IF ANY) REQUIRED ARE INDICATED BELOW. SHOULD FARNSWORTH GROUP REQUIRE MORE THAN TEN (10) WORKING DAYS TO PERFORM THE REVIEW, FARNSWORTH GROUP SHALL SO NOTIFY THE GENERAL CONTRACTOR.
 - CONCRETE DESIGN MIXES AND REINFORCING STEEL.
 - STRUCTURAL STEEL FRAMING AND CONNECTIONS.
- ONLY TWO REVIEWS PER SHOP DRAWING SHALL BE ALLOWED. ANY SUBSEQUENT REQUIRED REVIEWS OF THE SAME SHOP DRAWING SHALL BE AT THE COST OF THE CONTRACTOR.

DESIGN CRITERIA:

- THE STRUCTURAL ENGINEERING DESIGN IS BASED ON AND IN ACCORDANCE WITH THE FOLLOWING CODE:
INTERNATIONAL BUILDING CODE - 2012
- UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS, THE STRUCTURAL DESIGN IS BASED ON THE FOLLOWING TYPICAL UNIFORM LOADS:

DEAD LOADS	ROOF FLOOR	= 30 PSF
		= 60 PSF (SECOND LEVEL)
LIVE LOADS	ROOF	= 20 PSF
	OFFICES	= 50 PSF
	CORRIDORS	= 100 PSF
	STAIRS	= 100 PSF
	LOBBY	= 100 PSF
SNOW LOADS	Pg	= 20 PSF
	Ce	= 1.0
	I	= 1.0
	Ct	= 1.0
- WIND DESIGN DATA
V (ULT) = 115 MPH
EXPOSURE CATEGORY = B
Gcpl = (+/-) 0.18
- EARTHQUAKE DESIGN DATA
I RISK CATEGORY = II
Ss = 0.144
S1 = 0.080
SITE CLASS = D
SDS = 0.153
SD1 = 0.128
SEISMIC DESIGN CATEGORY
BASIC SEISMIC-FORCE-RESISTING SYSTEM = ORDINARY REINFORCED MASONRY SHEAR WALLS
R = 2
Cs = 0.077
V = 0.077W
ANALYSIS PROCEDURE = EQUIVALENT LATERAL-FORCE

	3	4
MASONRY:		
1.	ENGINEERED MASONRY DESIGNED IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (ACI 530/ASCE 5/TMS 402) BY THE AMERICAN CONCRETE INSTITUTE, THE AMERICAN SOCIETY OF CIVIL ENGINEERS, AND THE MASONRY SOCIETY.	
2.	DESIGN COMPRESSIVE STRENGTH OF MASONRY UNITS (Fm): CONCRETE MASONRY 1500 PSI	
3.	MINIMUM COMPRESSIVE STRENGTH (F'c) AT 28 DAYS: TYPE S MORTAR, ASTM C270 1800 PSI GROUT, ASTM C476 2500 PSI	
4.	BOND BEAMS AND ALL VERTICAL REINFORCEMENT: A. NEW BILLET STEEL COMPLYING WITH ASTM A615 AND HAVING MINIMUM YIELD STRENGTH OF 60,000 PSI. B. REINFORCE AND GROUT SOLID FIRST CELL ADJACENT TO ALL OPENINGS UNDER LINTELS USING SAME SIZE BAR AS INDICATED FOR WALL REINFORCING. C. LAP DOWELS PROJECTING FROM FOUNDATION. D. GROUT REINFORCED CELLS SOLID. E. WHERE BOND BEAMS ARE CONTINUOUS AT CORNERS, PROVIDE CORNER BARS WITH MINIMUM 40 BAR DIAMETER LAP SPLICE ON EACH LEG. F. BOND BEAMS SHALL BE CONTINUOUS ACROSS VERTICAL CONTROL JOINTS.	
5.	BED JOINT REINFORCEMENT: A. CONTINUOUS HORIZONTAL WIRE TIES SHALL BE PLACED SUCH THAT THE DISTANCE BETWEEN THE FACE OF THE MASONRY WALL AND THE PARALLEL WIRE IS NOT MORE THAN ONE INCH. THE PARALLEL WIRES SHALL CONFORM TO ASTM A82 AND HAVE A MINIMUM YIELD STRESS OF 70.0 KSI. B. SINGLE WYTHE BLOCK: a. 2-#9 GAGE DEFORMED WIRES, (1) AT EACH FACE SHELL, TRUSS TIED. C. BED JOINT REINFORCEMENT CLEAR COVER: a. EXTERIOR FACE (EXPOSED TO ELEMENTS): 5/8" MIN b. INTERIOR FACE (EXPOSED TO ELEMENTS): 1/2" MIN	
6.	USE LIGHTWEIGHT CONCRETE MASONRY UNITS ABOVE GRADE.	
7.	UNLESS OTHERWISE NOTED EXPANSION JOINTS SHALL BE PLACED IN CONCRETE MASONRY WALLS AT A MAXIMUM SPACING OF THE LESSER OF 3 TIMES THE WALL HEIGHT OR 25 FEET.	
8.	REINFORCE CELLS BOTH SIDES OF CONTROL JOINTS WITH TYPICAL WALL REINFORCEMENT.	



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PROJECT:
Greater Peoria Mass Transit District

407 SW ADAMS STREET
PEORIA, IL 61602

DATE: 05/28/2019

DESIGNED: DRD

DRAWN: AKT/TAM

REVIEWED: BSW

SHEET TITLE:

ARCHITECTURAL SYMBOLS, ABBREVIATIONS AND NOTES

SHEET NUMBER: _____

PROJECT NO.: 0180459.0

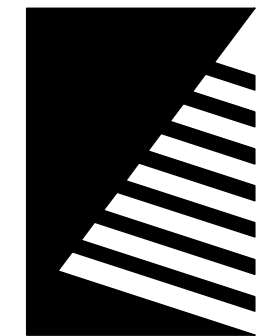


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- F. ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE SO REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION OF ALL SCHEDULED NEW WORK. THIS SHALL INCLUDE THE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY.
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- Y. REMOVAL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC. SEE MECHANICAL DRAWINGS.
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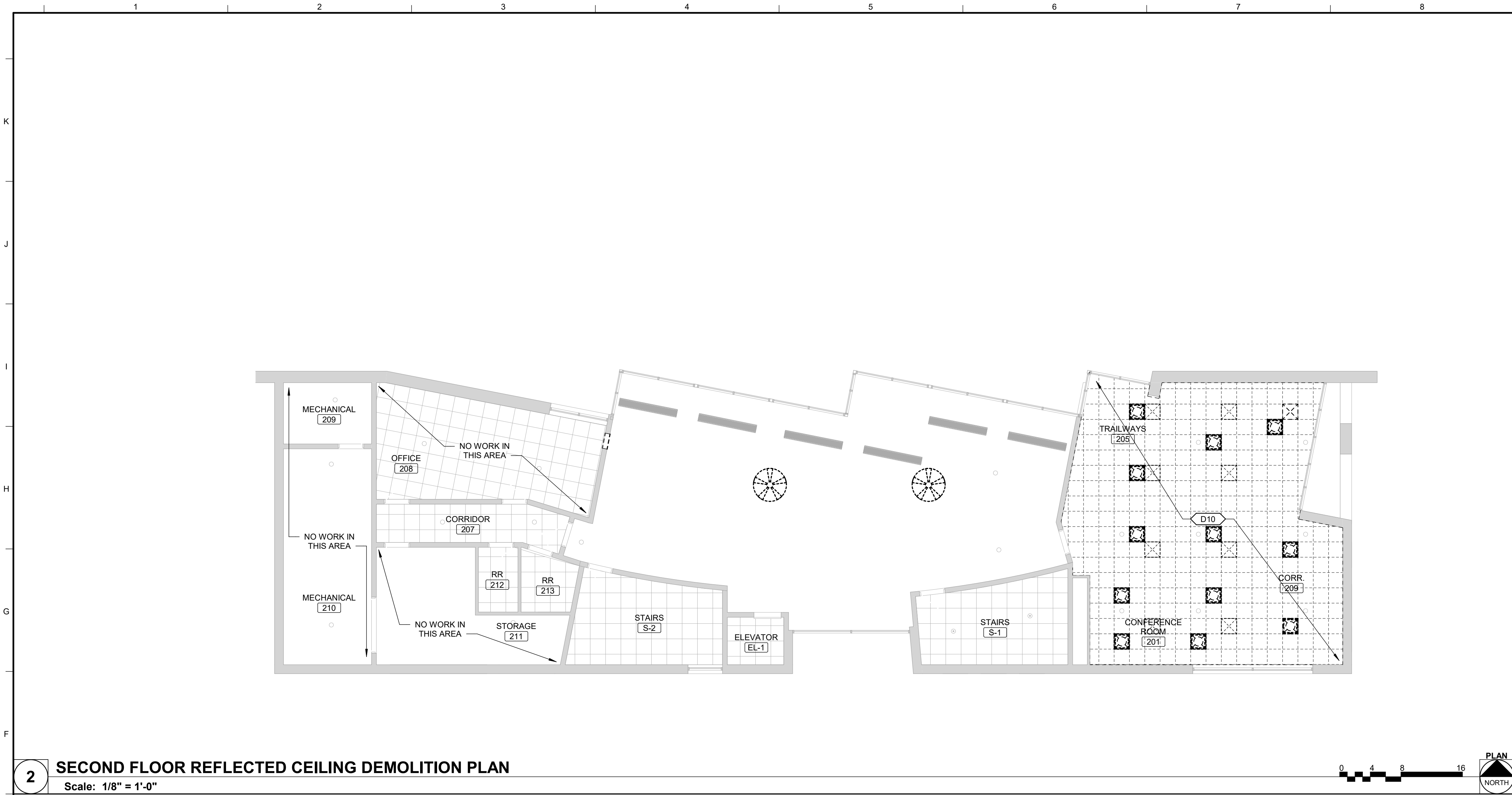
SHEET TITLE:

DEMOLITION PLAN

SHEET NUMBER:

AD1.1

PROJECT NO.: 0180459.04

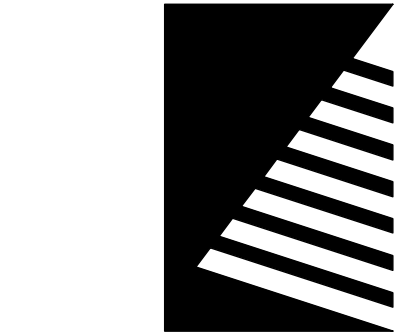


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407 SW ADAMS STREET
PEORIA, IL 61602

DATE: 05/28/2019

DESIGNED: DRD

DRAWN: AKT/TAW

REVIEWED: BSW

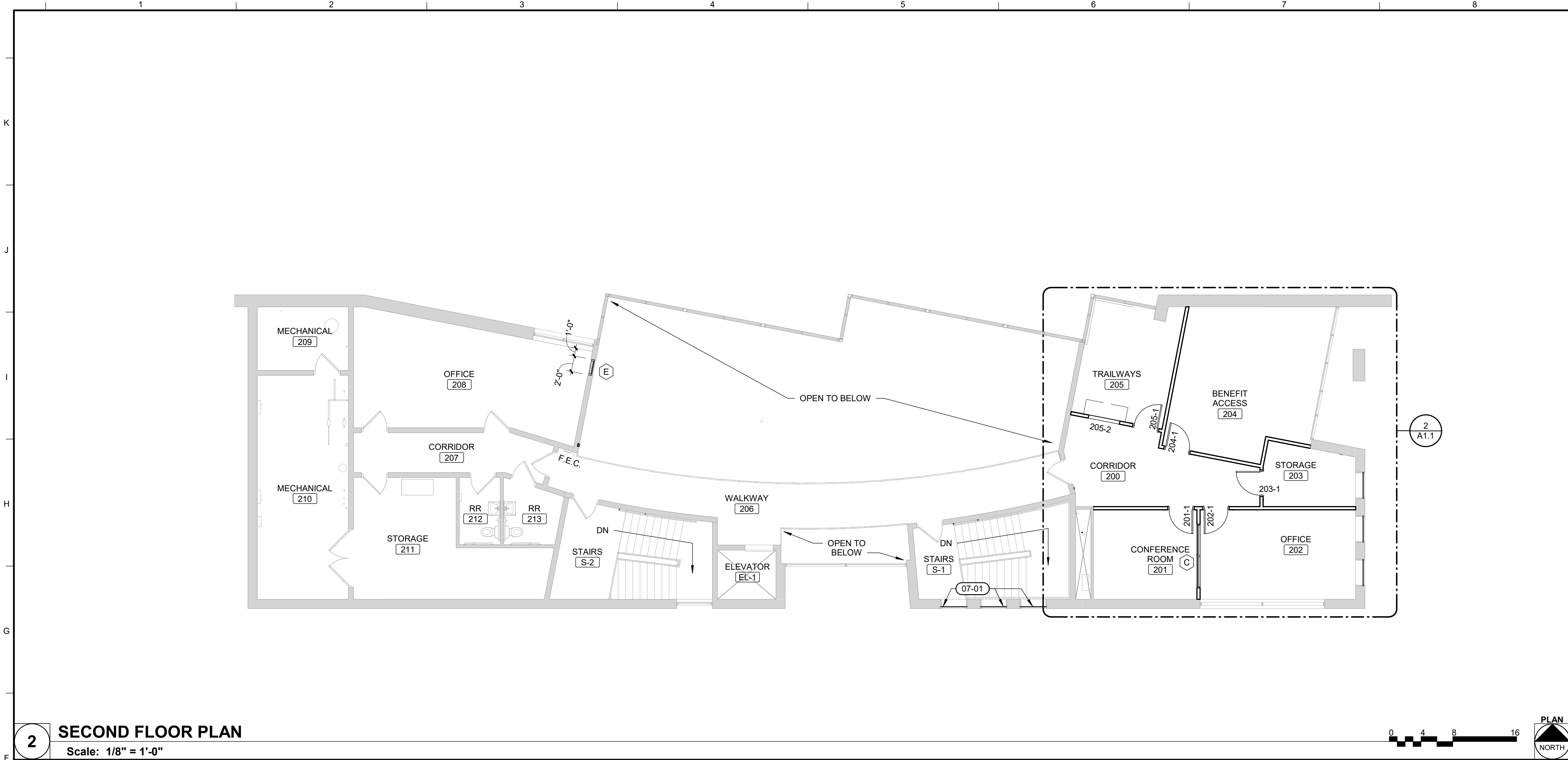
SHEET TITLE:

**REFLECTED CEILING
DEMOLITION PLANS**

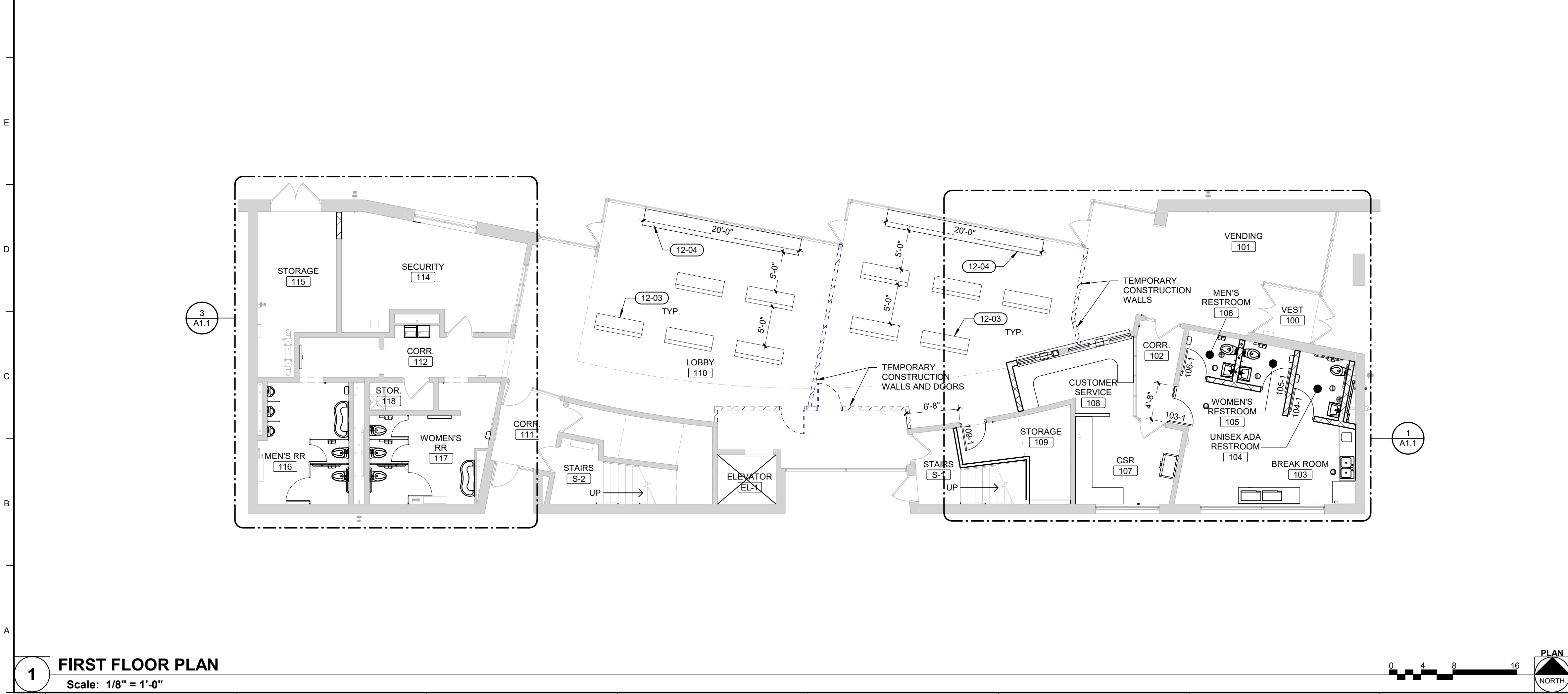
SHEET NUMBER:

AD9.1

PROJECT NO.: 0180459.04



2 SECOND FLOOR PLAN
Scale: 1/8" = 1'-0"

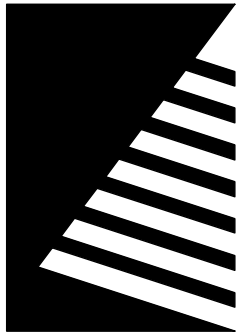


1 FIRST FLOOR PLAN
Scale: 1/8" = 1'-0"

- ### PLAN GENERAL NOTES
- A. SEE A7.1 FOR PARTITION TYPES.
 - B. ALL DIMENSIONS ARE TO FACE OF STUD, CMU AND/OR CONCRETE UNLESS NOTED OTHERWISE.
 - C. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
 - D. USE GYP BOARD TYPE "MR" AT ALL WET LOCATIONS. STOP BOARD AT 1/2" ABOVE FLOOR LINE.
 - E. SEE LIFE SAFETY PLANS FOR LOCATION OF RATED PARTITIONS AND SEPARATION INFORMATION
 - F. INSTALL ALL DOORS WITH MINIMUM 18 INCHES CLEAR FROM INSIDE FACE OF LATCH SIDE OF JAMB TO FINISH FACE OF WALL ON PULL SIDE OF DOOR, AND MINIMUM 12" ON OPPOSITE SIDE.
 - G. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO PROVIDE COMPLETE WORKING SYSTEMS FOR ALL NEW ELEMENTS.
 - H. ALL CONTRACTORS SHALL PROVIDE NEW, UNDAMAGED MATERIALS UNLESS OTHERWISE SPECIFIED.
 - I. STORE MATERIALS IN SUCH A MANNER AS NOT TO OVERSTRESS, OVERLOAD, OR OTHERWISE PUT AN UNSAFE LOAD ON ANY STRUCTURE DURING CONSTRUCTION.
 - J. INSTALL ALL WORK IN ACCORDANCE WITH CURRENT APPLICABLE CODES, PUBLISHED STANDARDS, AND ACCEPTABLE CONSTRUCTION STANDARDS.
 - K. ALL NEW WORK SHALL BE PLUMB AND LEVEL UNLESS OTHERWISE NOTED.
 - L. ALL FIRE RESISTANT CONSTRUCTION SHALL EXTEND TO STRUCTURE ABOVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXTENDING PARTITIONS AROUND EQUIPMENT CABINETS AND OTHER ITEMS WHICH PENETRATE THESE PARTITIONS, AND SHALL BE RESPONSIBLE FOR FILLING ALL VOIDS IN PARTITIONS ABOVE CEILING, IN ORDER TO MAINTAIN DESIGNATED FIRE RESISTANCE.
 - M. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF
 - N. EACH CONTRACTOR SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES.
 - O. DO NOT SCALE DRAWINGS TO DETERMINE DIMENSIONS. IF A REQUIRED DIMENSION IS NOT INDICATED, CONTACT THE ARCHITECT FOR DETERMINATION.
 - P. DETAILS ARE GENERALLY TYPICAL AND ARE NOT TO BE CONSTRUED AS LIMITED TO THOSE AREAS SPECIFICALLY INDICATED. REVIEW ANY QUESTIONS OR CONFLICTING INFORMATION WITH THE ARCHITECT PRIOR TO INSTALLATION.
 - Q. THE CONTRACTOR SHALL NOT CUT STRUCTURAL MEMBERS/ELEMENTS IN A MANNER RESULTING IN A REDUCTION OF LOAD CARRYING CAPACITY OR LOAD/DEFLECTION RATIO.
 - R. REFER TO STRUCTURAL DRAWINGS FOR FRAMING INFORMATION AND FRAMING DIMENSIONS.
 - S. HINGE SIDE OF DOOR JAMBS TO BE LOCATED 4" FROM NEAREST WALL INTERSECTION UNLESS OTHERWISE NOTED.
 - T. ALL APPLIANCES ARE TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED OR SHOWN. VERIFY ALL APPLIANCE DIMENSIONS PRIOR TO FINAL MILLWORK CONSTRUCTION.
 - U. PAINT ALL STEEL DOORS, DOOR FRAMES, INTERIOR BORROW LITE FRAMES, LINTELS AND OTHER EXPOSED METAL ITEMS UNLESS OTHERWISE NOTED OR SHOWN.
 - V. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.
 - W. EXISTING CONDITION INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. ALL EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE ONLY AND HAS NOT BEEN FIELD VERIFIED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY NEW WORK AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO DEMOLITION AND CONSTRUCTION.
 - X. PROVIDE TEMPORARY BRACING OF EQUIPMENT, MATERIALS OR OTHER DEVICES AS REQUIRED DURING AND AFTER DEMOLITION UNTIL NEW CONSTRUCTION IS COMPLETE.

KEYNOTES (BY DIVISION)

- DIVISION 07: THERMAL AND MOISTURE PROTECTION
07-01 REMOVE EXISTING WINDOW SEALANT, PREP, AND PROVIDE NEW BACKER ROD AND SEALANT AROUND ENTIRE WINDOW
- DIVISION 10: SPECIALTIES
10-01 EXISTING SEMI RECESSED FIRE EXTINGUISHER CABINET, PROTECT DURING CONSTRUCTION
10-02 WALL-MOUNTED RETRACTABLE BELT BARRIER W/ TEXT: "DO NOT ENTER - TEMPORARILY CLOSED". BASIS-OF-DESIGN: LAVI INDUSTRIES; MODEL #50-41300WB/FY/S7, OR APPROVED EQUAL.
- 10.03 EXISTING NAPKIN-TAMPON VENDOR
- DIVISION 11: EQUIPMENT
11-01 MICROWAVE, OFCI
11-02 REFRIDGERATOR, OFCI
11-03 UNDERCOUNTER ICE MACHINE, OFCI
11-04 COUNTERTOP WATER FILTER/COOLER, OFCI
- DIVISION 12: FURNISHING AND ACCESSORIES
12-01 1 1/2" PLASTIC LAMINATE COUNTERTOP
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12-03 REINSTALL EXISITNG BENCHES, PAINT. SEE INTERIORS.
12-04 42" HIGH COUNTERTOP WITH METAL LEGS, FIXED TO FLOORING, SEE INTERIORS



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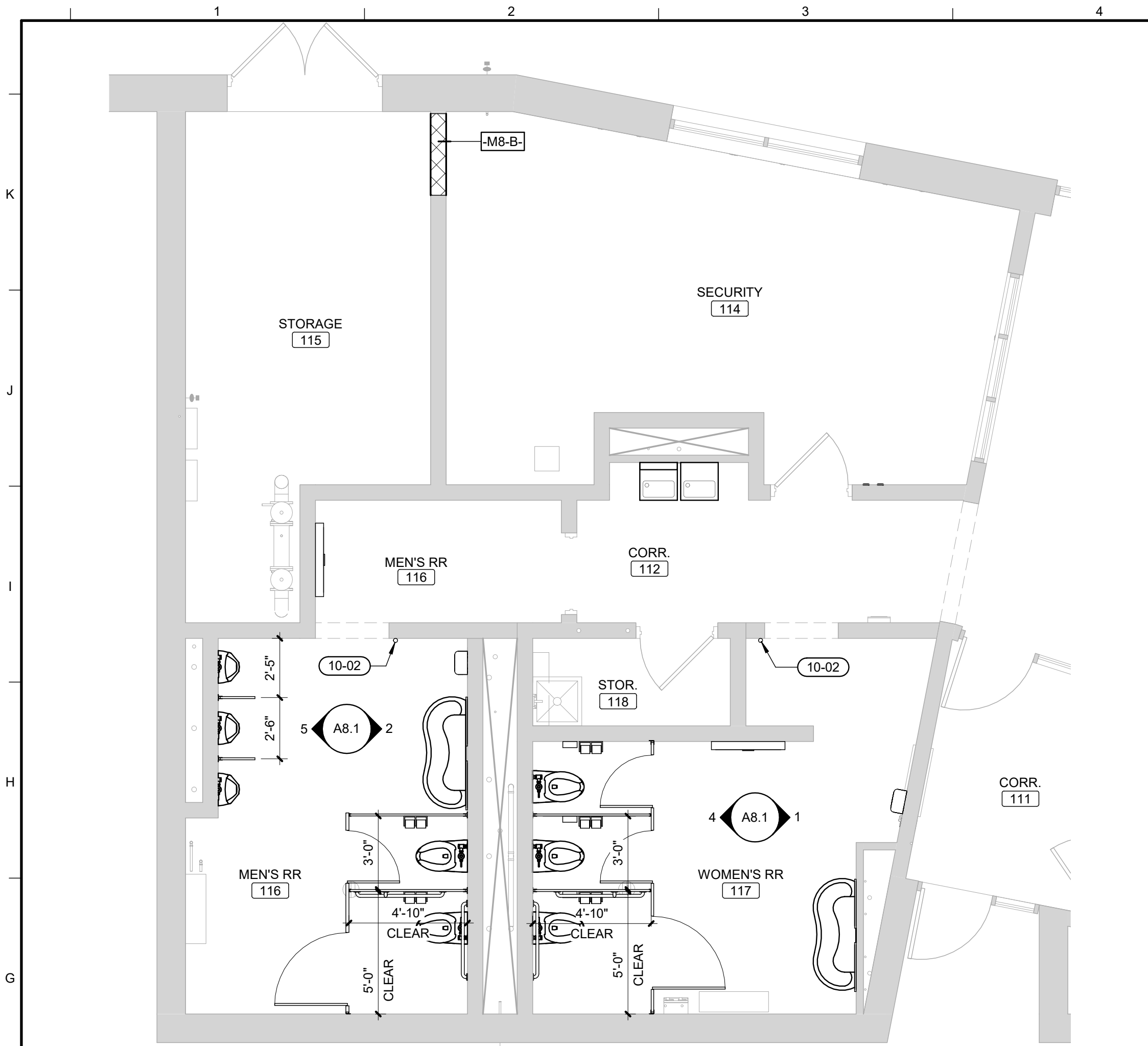
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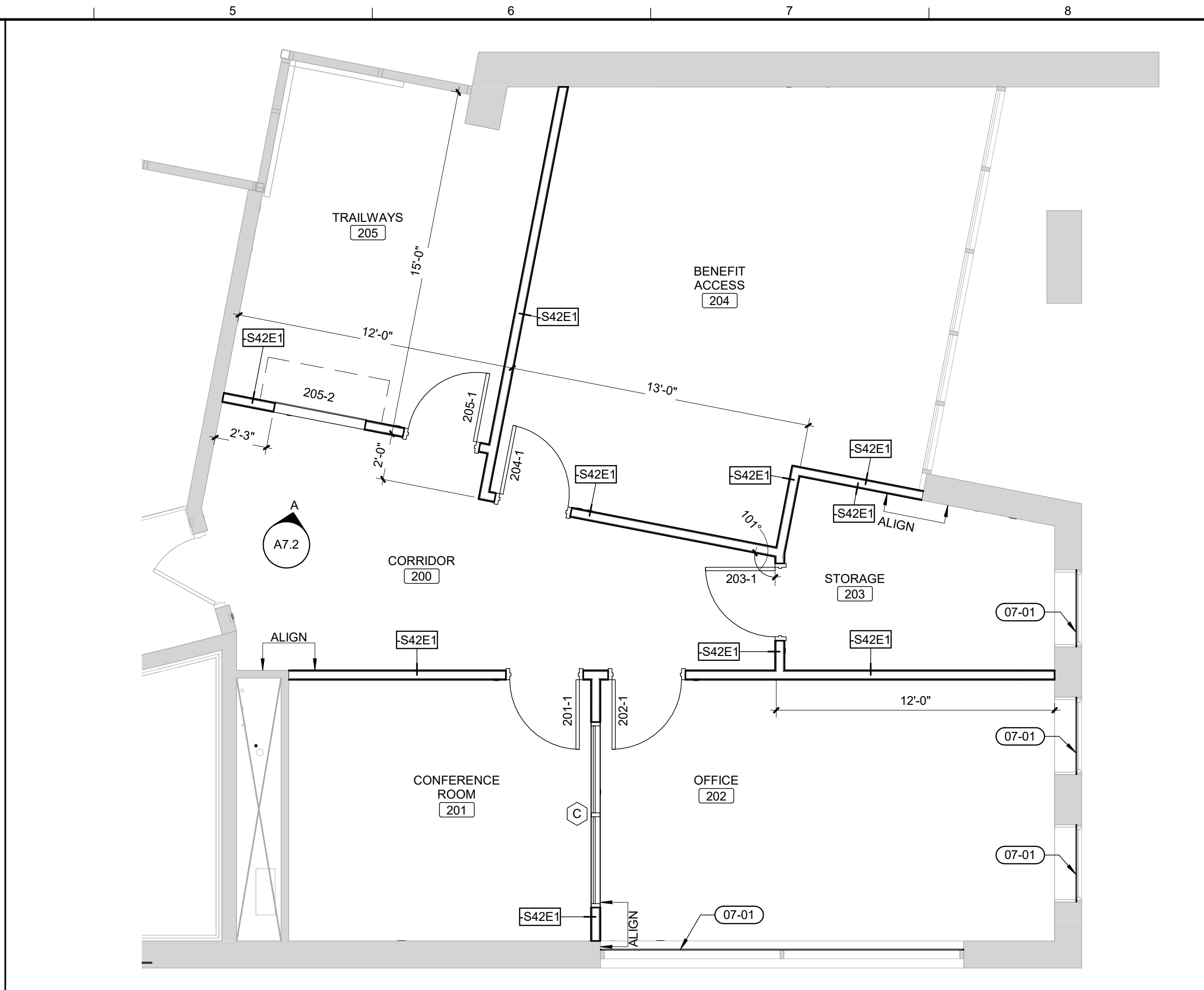
SHEET TITLE:
FLOOR PLANS

SHEET NUMBER:
A1.0

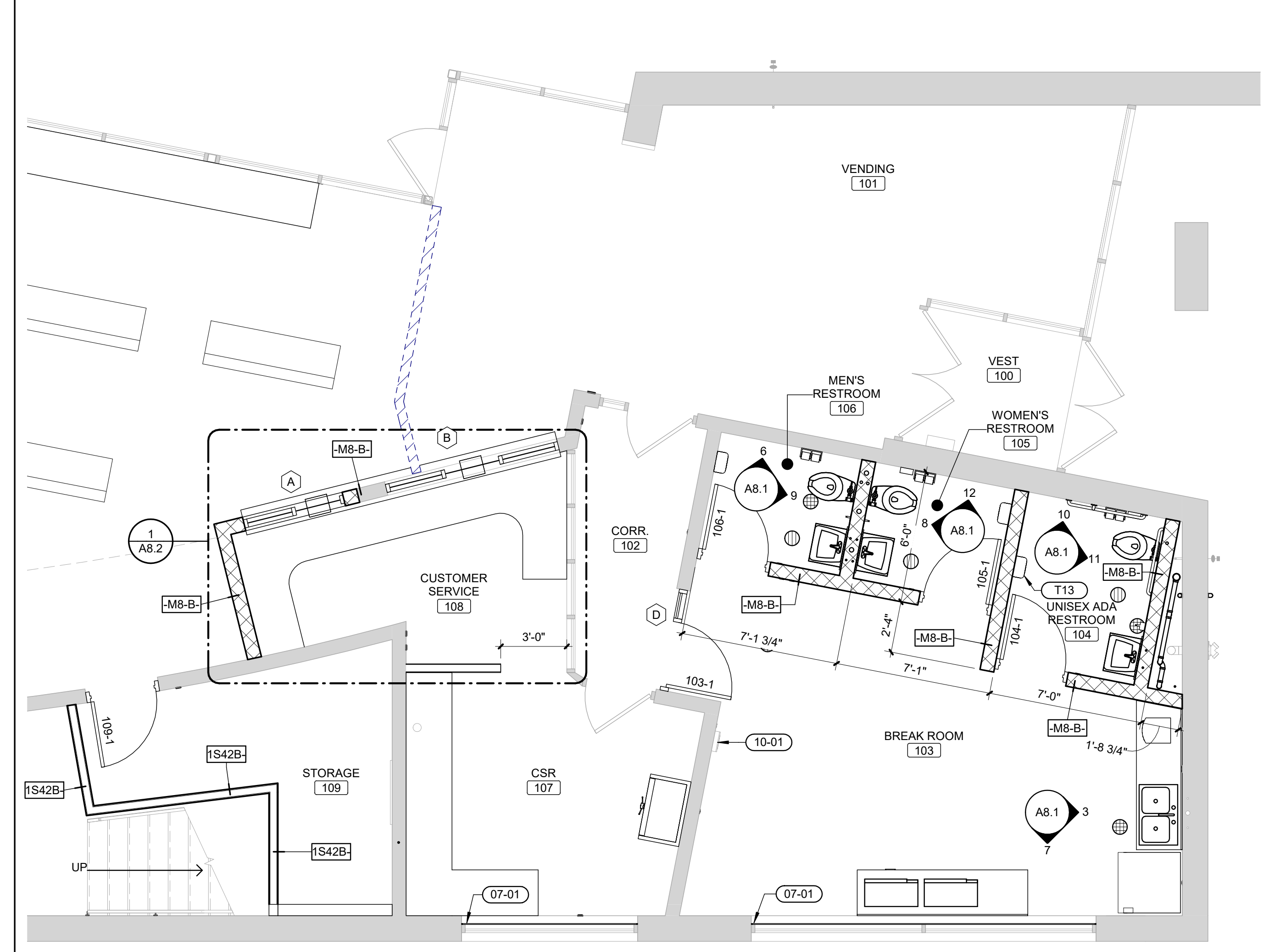
PROJECT NO.: 0180459.04



3 FIRST FLOOR ENLARGED PLAN
Scale: 1/4" = 1'-0"



2 SECOND FLOOR ENLARGED PLAN
Scale: 1/4" = 1'-0"



1 FIRST FLOOR ENLARGED PLAN
Scale: 1/4" = 1'-0"

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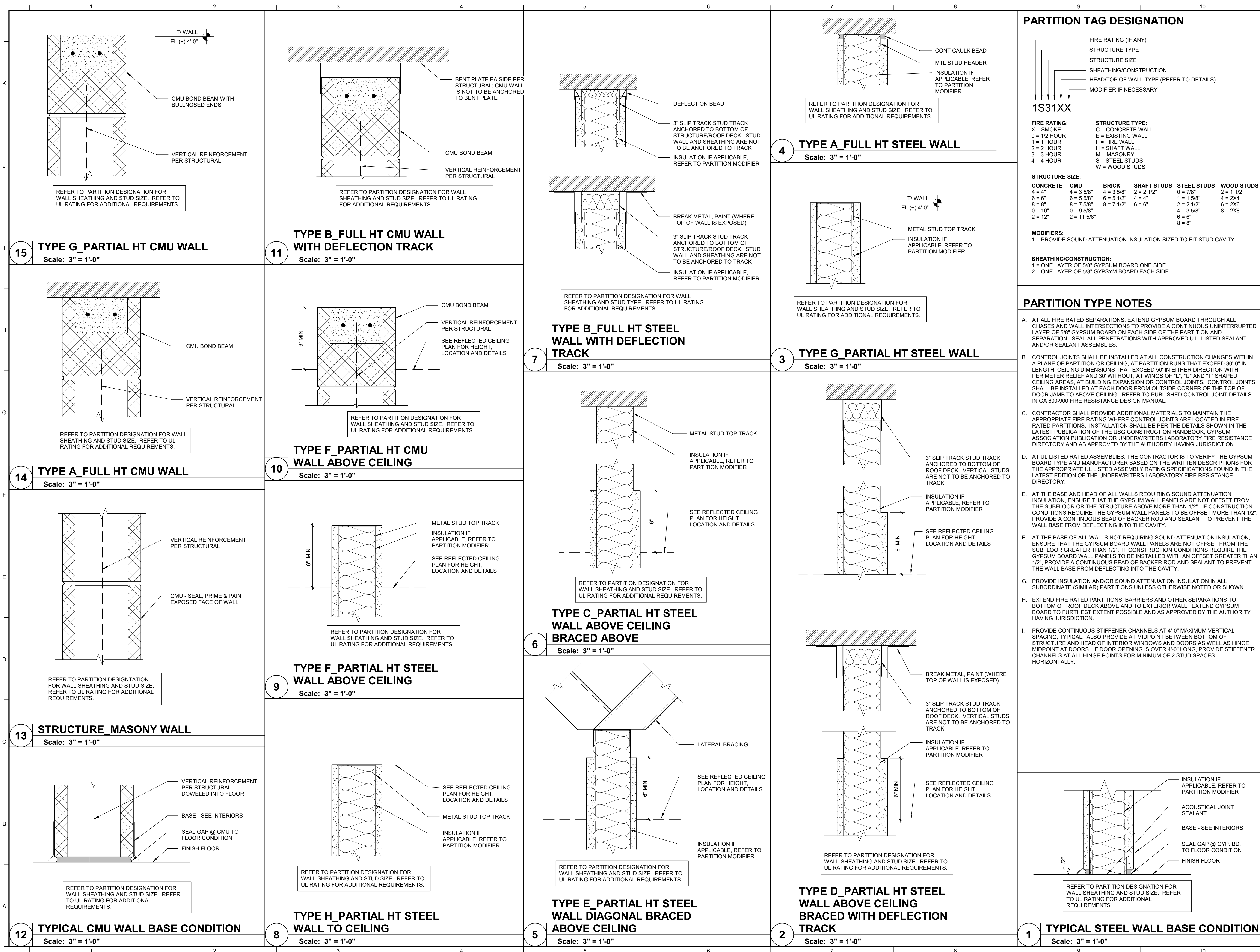
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DRAWN: AKT/TAW
REVIEWED: BSW

SHEET TITLE:
ENLARGED PLANS

SHEET NUMBER:

A1.1

PROJECT NO.: 0180459.04



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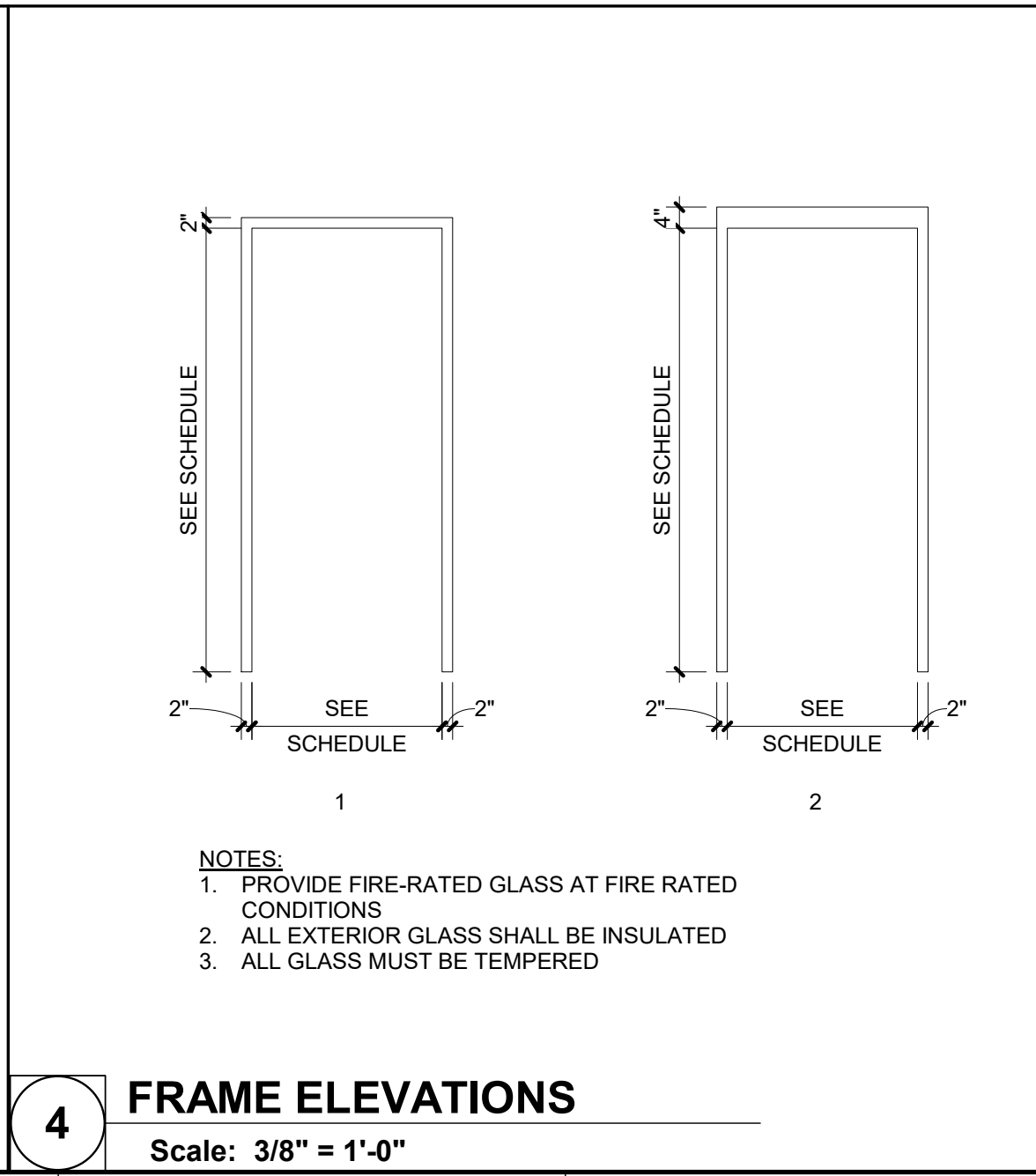
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5 INTERIOR WINDOW SCHEDULE
Scale: 3/8" = 1'-0"

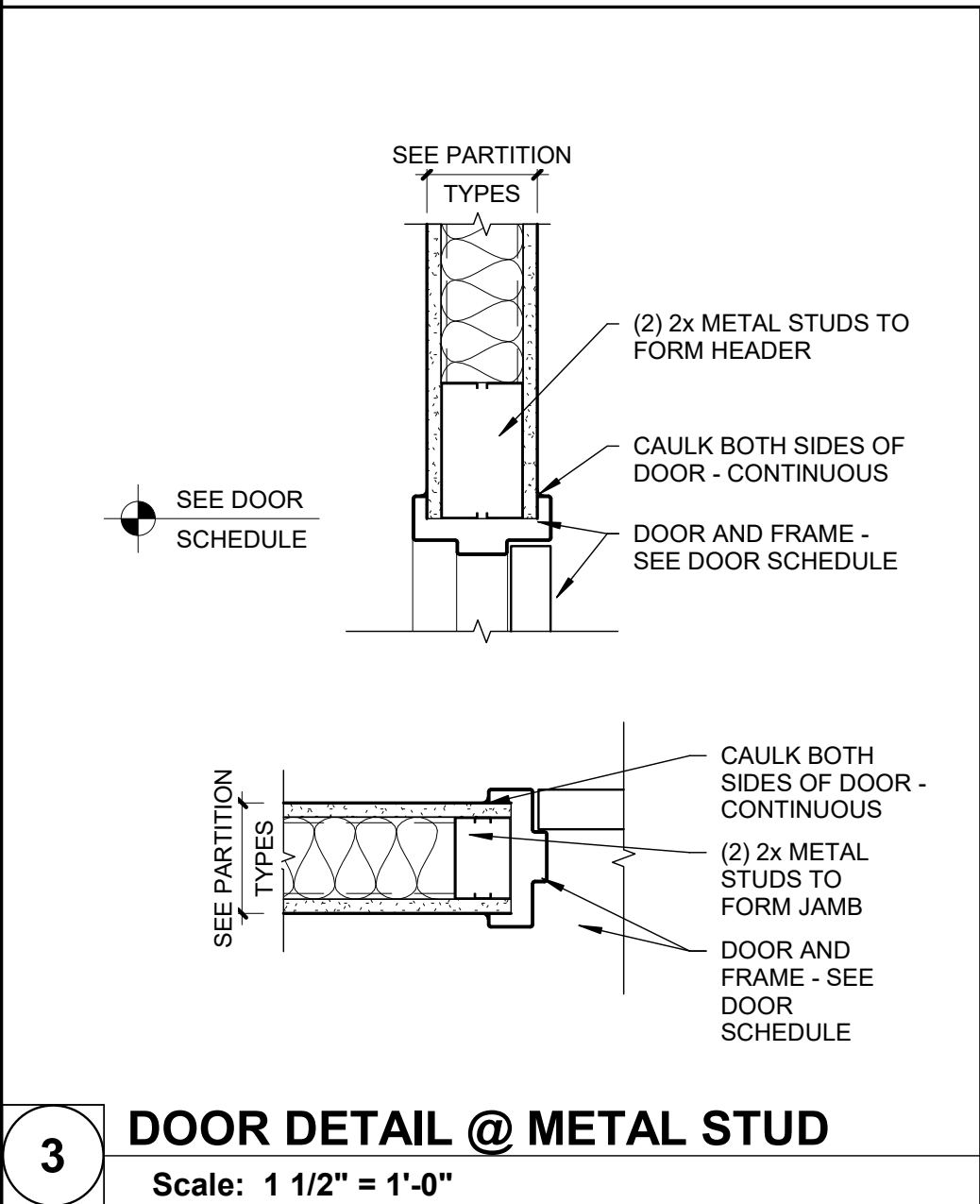


4 FRAME ELEVATIONS
Scale: 3/8" = 1'-0"

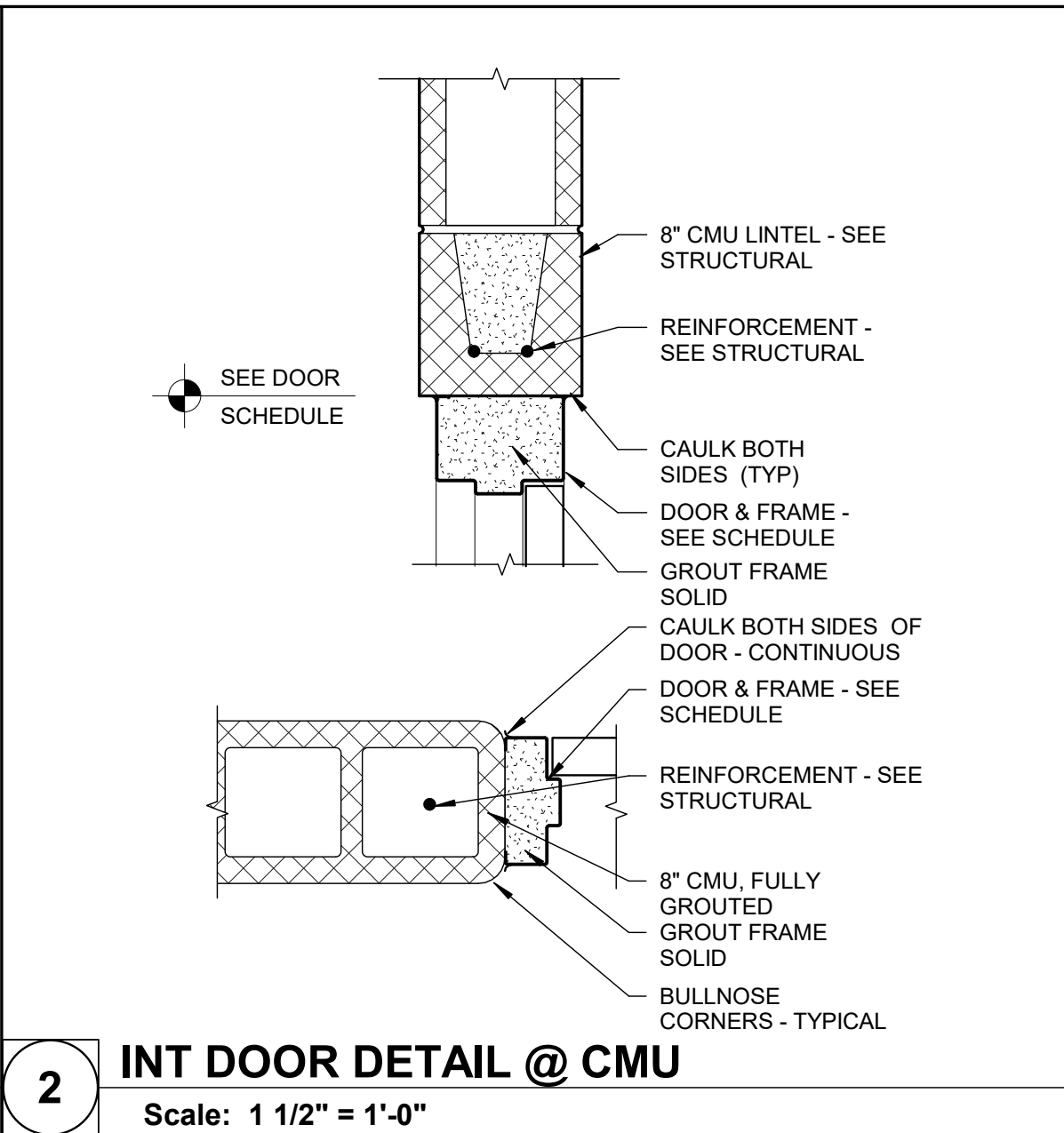


1 DOOR ELEVATIONS
Scale: 3/8" = 1'-0"

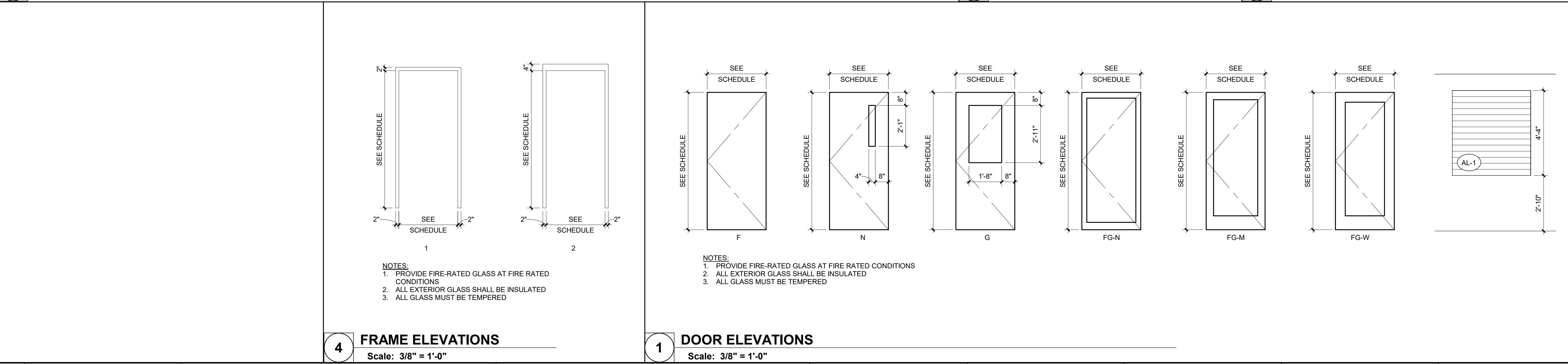
DOOR SCHEDULE														
DOOR							DOOR FRAME			HEAD DETAIL NO.	JAMB DETAIL NO.	THRESH DETAIL NO.	LBL	HDWR SET
NO.	WIDTH	HEIGHT	THICK	MAT'L	FINISH	ELEV	MAT'L	FINISH	ELEV					REMARKS
FIRST FLOOR														
103-1	3' - 0"	7' - 0"	1 3/4"	AL	PF	FG-M	AL	PF	2	3/A7.2	3/A7.2			
104-1	3' - 0"	7' - 0"	1 3/4"			F			2	2/A7.2	2/A7.2			
105-1	3' - 0"	7' - 0"	1 3/4"			F			2	2/A7.2	2/A7.2			
106-1	3' - 0"	7' - 0"	1 3/4"			F			2	2/A7.2	2/A7.2			
109-1	3' - 0"	7' - 0"	1 3/4"			F	HM	PNT	2	2/A7.2	2/A7.2			3
SECOND FLOOR														
201-1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	FG-M	HM		1	3/A7.2	3/A7.2			2
202-1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	FG-M	HM	PNT	1	3/A7.2	3/A7.2			
203-1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	F	HM	PNT	1	3/A7.2	3/A7.2			3
204-1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	FG-M	HM	PNT	1	3/A7.2	3/A7.2			3
205-1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	F	HM	PNT	1	3/A7.2	3/A7.2			3
205-2	4' - 0"	4' - 4"	1/2"	AL	PF	OHCD	AL	PF	-					
REMARKS: 1.														
AL= ALUMINUM ALCW= ALUMINUM CLAD WOOD EXIST= EXISTING FRP= FIBER REINFORCED PLASTIC HM= HOLLOW METAL IHM= INSULATED HOLLOW METAL OHD= OVERHEAD DOOR PF= PREFINISHED HOLLOW METAL INSULATED HOLLOW METAL OVERHEAD DOOR PREFINISHED PNT= PAINT SCW= SOLID CORE WOOD STN= STAIN WD= WOOD														
NOTES: 1. ALL INTERIOR GLASS TO BE 1/4" CLEAR TEMPERED GLASS UNLESS NOTED OTHERWISE. 2. ALL GLASS IN DOORS, SIDELIGHTS SHALL BE TEMPERED. 3. ALL EXTERIOR GLASS SHALL BE INSULATED. 4. SIZES SHOWN ARE NORNINAL - CONTRACTOR SHALL DETERMINE CLEARANCES REQUIRED FOR JOINTS, ETC.														
MATERIAL LEGEND														
(HM-1) HOLLOW METAL, PAINTED (GL-1) 1/4" GLAZING, TEMPERED (GL-2) 1/4" GLAZING (AL-1) ALUMINUM, CLEAR ANODIZED														



3 DOOR DETAIL @ METAL STUD
Scale: 1 1/2" = 1'-0"



2 INT DOOR DETAIL @ CMU
Scale: 1 1/2" = 1'-0"



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DATE: 05/28/2019
DESIGNED: DRD
DRAWN: AKT/TAW
REVIEWED: BSW

SHEET TITLE:
DOOR SCHEDULE, ELEVATIONS AND DETAILS

SHEET NUMBER:
A7.2

PROJECT NO.: 0180459.04

NO.	WIDTH	HEIGHT	DEPTH	DETAIL NO.	DESCRIPTION
BASE CABINETS					
B1	3' - 0"	2' - 8 1/2"	2' - 0"		SINK CABINET. TWO HINGED DOORS, 6" FALSE FRONT ABOVE DOORS
B2	2' - 9"	2' - 8 1/2"	2' - 0"		TWO 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B3	2' - 0"	2' - 8 1/2"	2' - 0"		ONE 6" DRAWER, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B4	2' - 9"	2' - 8 1/2"	2' - 0"		BASE CABINET, 1 DRAWER, 1 OPEN SHELF; COORD. HEIGHT W/ OWNER
B5	1' - 3"	2' - 4 1/2"	2' - 0"		TWO EQUAL DRAWERS
M-1	5' - 9"	2' - 4 1/2"			PRIVACY PANEL

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DATE:	05/28/2019
DESIGNED:	DRE
DRAWN:	AKT/TAW
REVIEWED:	BSW

SHEET TITLE:

**INTERIOR
ELEVATIONS AND
ENLARGED PLANS**

SHEET NUMBER: _____

A8.2

PROJECT NO.: 0180459.0

	WALL FINISH
	ACCENT WALL FINISH
	WALL BASE
	FLOOR FINISH
	FLOOR MATERIAL TRANSITION
	ALIGN TRANSITION WITH ADJACENT ITEM
	PATTERN/LINEAR DIRECTION
	CASEWORK COUNTER/TRANSITION TOP
	CASEWORK BASE AND UPPER CABINET F
	MISCELLANEOUS FINISH
	INTERIOR SIGNAGE
	CORNER GUARD / END WALL GUARD

AB	ALUMINUM WALL CEILING	NA	NOT APPLICABLE
ACT	ACCOUSTICAL BASE TILE	NS	NATURAL STONE
ADJ	ADJACENT	PNT	PAINT
AFB	AS FLOOR FINISHED FLOOR	PRF	PREFINISHED
AL	ALUMINUM	QTZ	QUARTZ COUNTERTOP
AP	ACOUSTIC WALL PANEL	RB	RESILIENT WALL BASE
BBT	BIOBASED TILE	RPS	RESIN PANEL SYSTEM
CG	CORNER GUARD	RM	ROOM MULCH
CMU	CONCRETE JOINT	RVT	RESILIENT VINYL TILE
CON	CONCRETE MASONRY UNIT	SF	SQUARE FEET (FOOT)
CON	CONCRETE FLOORING	SS	SOLID SURFACE
CR	CARD READER	SST	STAINLESS STEEL
CT	CARPET	SSV	SPECIALTY SHEET VINYL
CPT	CULTURED TILE	STN	STAIN
CR	CERAMIC TILE	SV	SHEET VINYL
DG	DOOR FRAME GUARD	SVT	SPECIALTY VINYL TILE
EG	END WALL GUARD	T	TILE FLOORING/ WALL / WALL
EM	ENTRY MAT SYSTEM		BASE (CERAMIC, PORCELAIN, GLASS)
EXP	EXISTING	TP	TOLIEF PARTITION
EXP	EXPANSION JOINT	TR	DECORATIVE WOOD TRIM / CROWN / BASE MOLDING
EXJ	EXPOSED	TS	TRANSITION STRIP
FAB	FABRIC	TYP	TYPICAL
FLR	FIBERGLASS REINFORCED PANELS	TZ	TERAZZO FLOORING
GRS	DECORATIVE GLASS	UFIN	UNFINISHED
G	GROUT	UNO	UNLESS NOTED OTHERWISE
GYP	GYPSUM WALL BOARD	VCT	VINYL COMPOSITION TILE
HR	HAND RAIL	VET	VINYL ENCHANCED TILE
LAM	PLASTIC LAMINATE	VIF	VERIFY IN FIELD
LIN	LINOLEUM SHEET / TILE	VWD	VINYL WALL COVERING
LVT	LUXURY VINYL TILE	WVO	WOOD FLOORING
MB	MIXED WALL BASE	WDP	WOOD PANELING / WAINSCOT
MTL	METAL	WR	WALL PROTECTION
MISC	MISCELLANEOUS	WP	WHITEROCK

TAG	DESCRIPTION	MANUFACTURER	PRODUCT LINE / MODEL NUMBER	SIZE	COLOR	FINISH	GROUT		SUPPLIER / INSTALLER	REMARKS / NOTES
							TYPE	COLOR		
PNT-1	PAINT	SHERWIN WILLIAMS	PROMAR 200, ZERO/LOW VOC INTERIOR LATEX	-	SW 7008 ALABASTER	EG-SHEL	-	-	CFCI	-
PNT-2	PAINT	SHERWIN WILLIAMS	PROMAR 200, ZERO/LOW VOC INTERIOR LATEX	-	TBD	EG-SHEL	-	-	CFCI	-
PNT-3	PAINT	SHERWIN WILLIAMS	PRO INDUSTRIAL PRE-CATALYZED WATERBASED EPOXY	-	TBD	SEMI-GLOSS	-	-	CFCI	METAL DOORS, FRAMES, BORROWED LIGHTS
PNT-4	PAINT	SHERWIN WILLIAMS	PRO INDUSTRIAL PRE-CATALYZED WATERBASED EPOXY	-	TBD	SEMI-GLOSS	-	-	CFCI	TOILET ROOMS
PNT-5	PAINT	SHERWIN WILLIAMS	PROMAR 200, ZERO/LOW VOC INTERIOR LATEX	-	TBD	EG-SHEL	-	-	CFCI	-
PNT-6	PAINT	SHERWIN WILLIAMS	PRO INDUSTRIAL PRE-CATALYZED WATERBASED EPOXY	-	TBD	SEMI-GLOSS	-	-	CFCI	BENCHES

TAG	DESCRIPTION	MANUFACTURER	PRODUCT LINE / MODEL NUMBER	SIZE	COLOR	FINISH	GROUT		SUPPLIER / INSTALLER	REMARKS / NOTES
							TYPE	COLOR		
EPX-1	INTEGRAL EPOXY RESINOUS WALL BASE	DUR-A-FLEX	HYBRI-FLEX EC, SELF LEVELING EPOXY RESIN BROADCAST WITH MICRO CHIPS	4" H	DECORATIVE BLEND 3 COLORS, TBD	-	-	-	CFCI	EPOXY TOP/GROUT COAT
EX	EXISTING WALL BASE TO REMAIN	-	-	-	-	-	-	-	-	-
RB-1	RUBBER WALL BASE	JOHNSONITE	TRADITIONAL RUBBER COVE BASE WITH TOE	1/8" THICK X 4" H	TBD	-	-	-	CFCI	-

[illegible]

TAG	DESCRIPTION	MANUFACTURER	PRODUCT LINE / MODEL NUMBER	SIZE	COLOR	FINISH	SUPPLIER / INSTALLER	REMARKS / NOTES
LAM-1	PLASTIC LAMINATE	TBD	PATTERNED LAMINATE	-	TBD	TBD	CFCI	-
SS-1	SOLID SURFACE	DUPONT CORIAN	SOLID SURFACE	-	TBD, GRADE 7	TBD	CFCI	-

TAG	DESCRIPTION	MANUFACTURER	PRODUCT LINE / MODEL NUMBER	SIZE	COLOR	FINISH	SUPPLIER / INSTALLER	REMARKS / NOTES
LAM-2	PATTERNED LAMINATE	TBD	HIGH PRESSURE LAMINATE	-	TBD	TBD	OFCI	-

TAG	DESCRIPTION	MANUFACTURER	PRODUCT LINE / MODEL NUMBER	SIZE	COLOR	FINISH	GROUT		SUPPLIER / INSTALLER	REMARKS / NOTES
							TYPE	COLOR		
TP-1	TOILET PARTITIONS	GENERAL PARTITIONS	STAINLESS STEEL PARTITIONS	-	STAINLESS STEEL	DIAMOND TEXTURE	-	-	CFCI	-

BID SET
05/28/2019

PROJECT: Greater Peoria Mass Transit District

CityLink Transit Center Renovation

407 SW ADAMS STREET
PEORIA, IL 61602

DATE: 05/28/2019

DESIGNED: JDP

DRAWN: JDP

REVIEWED: DRD

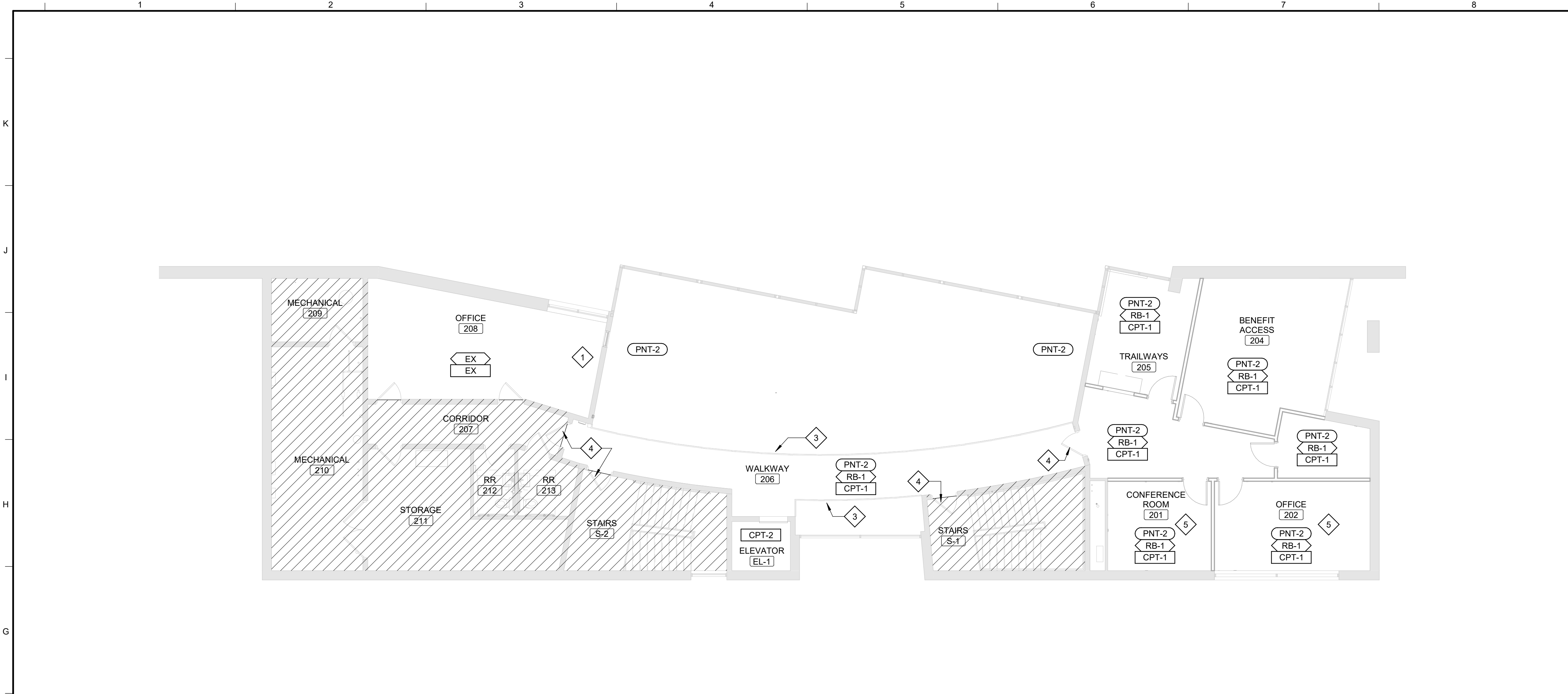
SHEET TITLE

PRODUCT SCHEDULES, SYMBOLS AND ABBREVIATIONS

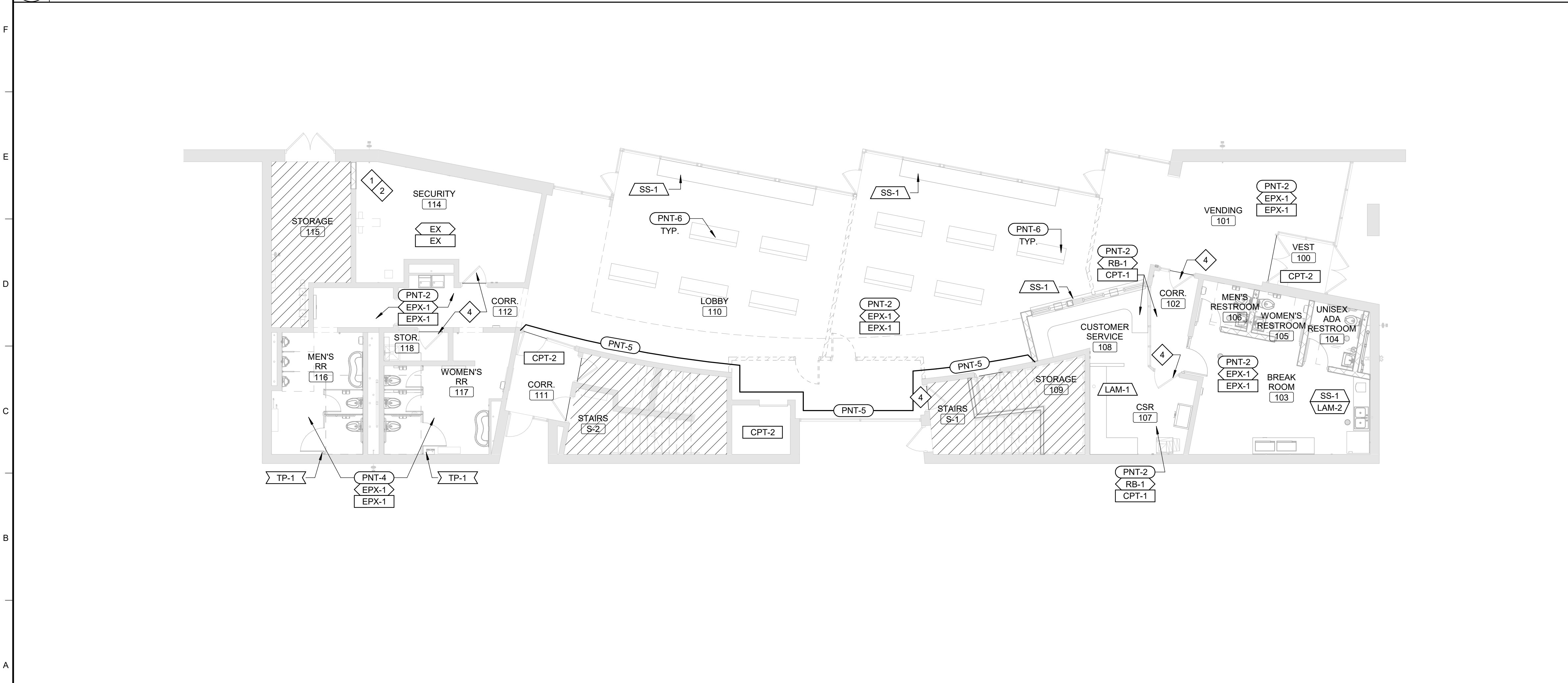
SHEET NUMBER

10.1

PROJECT NO.: 0180459.04



2 SECOND FLOOR FINISH PLAN
Scale: 1/8" = 1'-0"



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

FINISH PLAN GENERAL NOTES

A.

BASIS-OF-DESIGN PRODUCT: WHERE SPECIFICATIONS OR DRAWINGS NAME A PRODUCT AND MANUFACTURER, PROVIDE THE SPECIFIED PRODUCT/MANUFACTURER OR SUBMIT AN ALTERNATE REQUEST TO BE REVIEWED BY ARCHITECT/DESIGNER. ALTERNATE PRODUCTS TO RESEMBLE BASIS OF DESIGN PRODUCT IN SIZE, PROFILE, DIMENSIONS, COLOR AND OTHER CHARACTERISTICS.

B.

ALL CONTRACTORS TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.

C.

ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT.

D.

ALL FLOOR FINISHES TO EXTEND BENEATH CASEWORK.

E.

DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF WHEN IN CLOSED POSITION, UNLESS OTHERWISE NOTED OR SHOWN.

F.

REMARKS COLUMN ON ROOM AND PRODUCT FINISH SCHEDULE INDICATES GENERAL COMMENTS ONLY. SEE INTERIOR FINISH PLANS AND SPECIFICATIONS FOR LOCATIONS AND DETAILS.

G.

ALL GYPSUM CEILINGS SHALL BE PNT-1 UNLESS OTHERWISE NOTED OR SHOWN.

H.

ALL WALLS SHALL BE PNT-2, UNLESS OTHERWISE NOTED OR SHOWN.

I.

ALL METAL DOORS, DOOR FRAMES, AND WINDOW FRAMES SHALL BE PNT-3, UNLESS OTHERWISE NOTED OR SHOWN.

J.

ALL WALL BASE SHALL BE RB-1, UNLESS OTHERWISE NOTED OR SHOWN.

K.

ALL FRP-1 TO BE 4'-0"W x 4'-0"H AT MOP SINKS, UNLESS OTHERWISE NOTED OR SHOWN.

L.

FOR ANY WALL-MOUNTED ITEM THAT IS TAKEN DOWN FOR PAINTING, CONTRACTOR SHALL RE-INSTALL AT THE SAME LOCATION.

INTERIOR FINISH KEYNOTES #

1

PAINT ENTIRE WALL FROM FLOOR TO CEILING TO MATCH EXISTING IN COLOR, SHEEN AND TEXTURE.

2

PROVIDE WALL BASE FOR NEW WALL INFILL TO MATCH EXISTING IN COLOR, SHEEN, PROFILE AND HEIGHT.

3

PAINT ALL EXPOSED MESH INSERTS OF RAILING PNT-3

4

PAINT EXISTING HOLLOW METAL DOOR, DOOR FRAME AND BORROWED LIGHT PNT-3. RECOAT SIDES OF DOOR AND FRAME THAT ARE WITHIN AREAS OF SCOPE OF WORK.

5

ALL WALLS TO RECEIVE LEVEL 5 FINISH COAT PRIOR TO PAINT FINISH.

SHADING INDICATES AREA NOT INCLUDED IN SCOPE OF WORK

Farnsworth GROUP

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(309) 689-9888 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE:

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DATE:

DESCRIPTION:

BID SET
05/28/2019

PROJECT:

Greater Peoria Mass Transit District

CityLink Transit Center Renovation

407 SW ADAMS STREET
PEORIA, IL 61602

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05/28/2019

DESIGNED:

JDP

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JDP

REVIEWED:

DRD

SHEET TITLE:

FINISH PLANS

SHEET NUMBER:

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PROJECT NO.:

0180459.04

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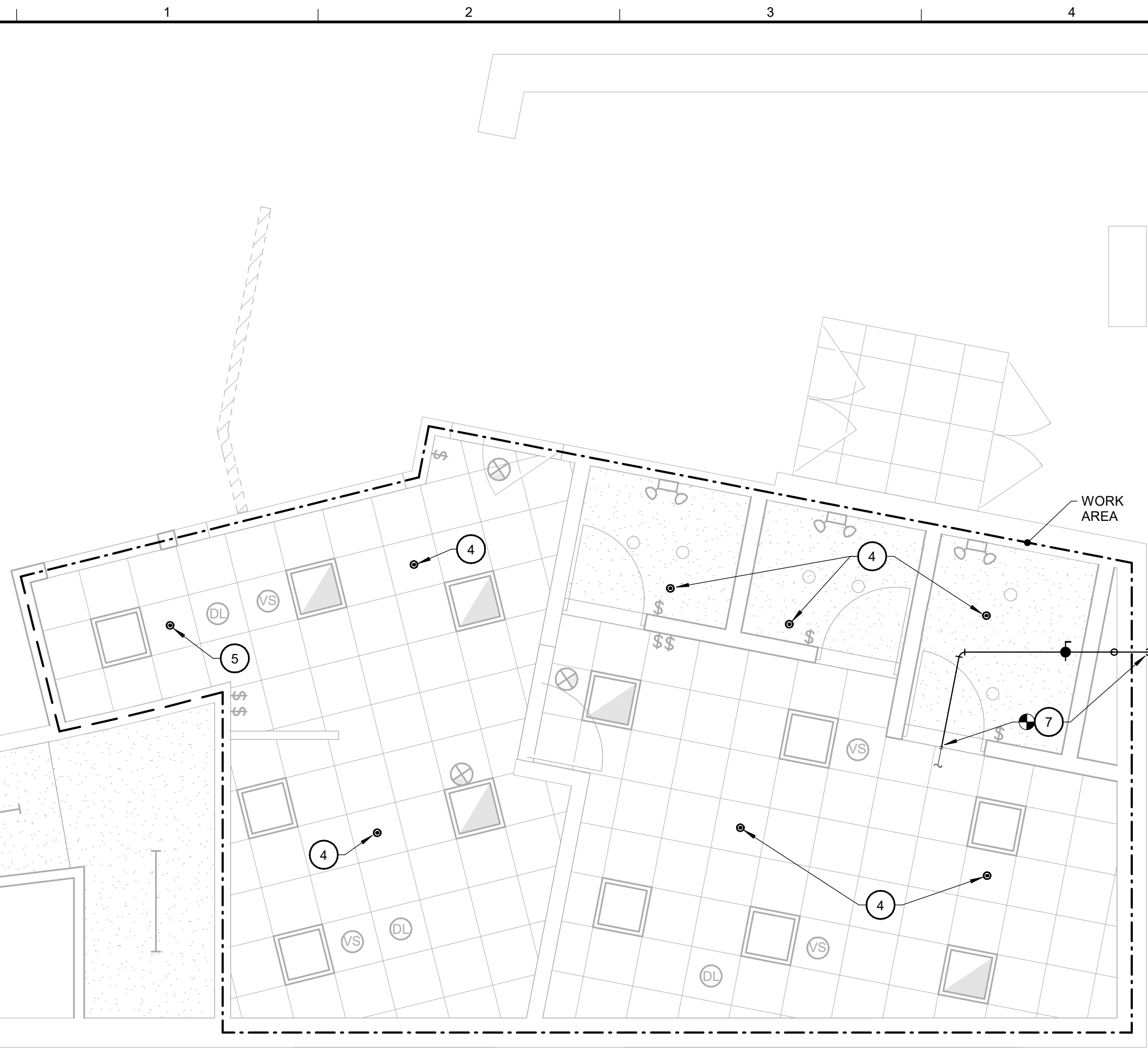
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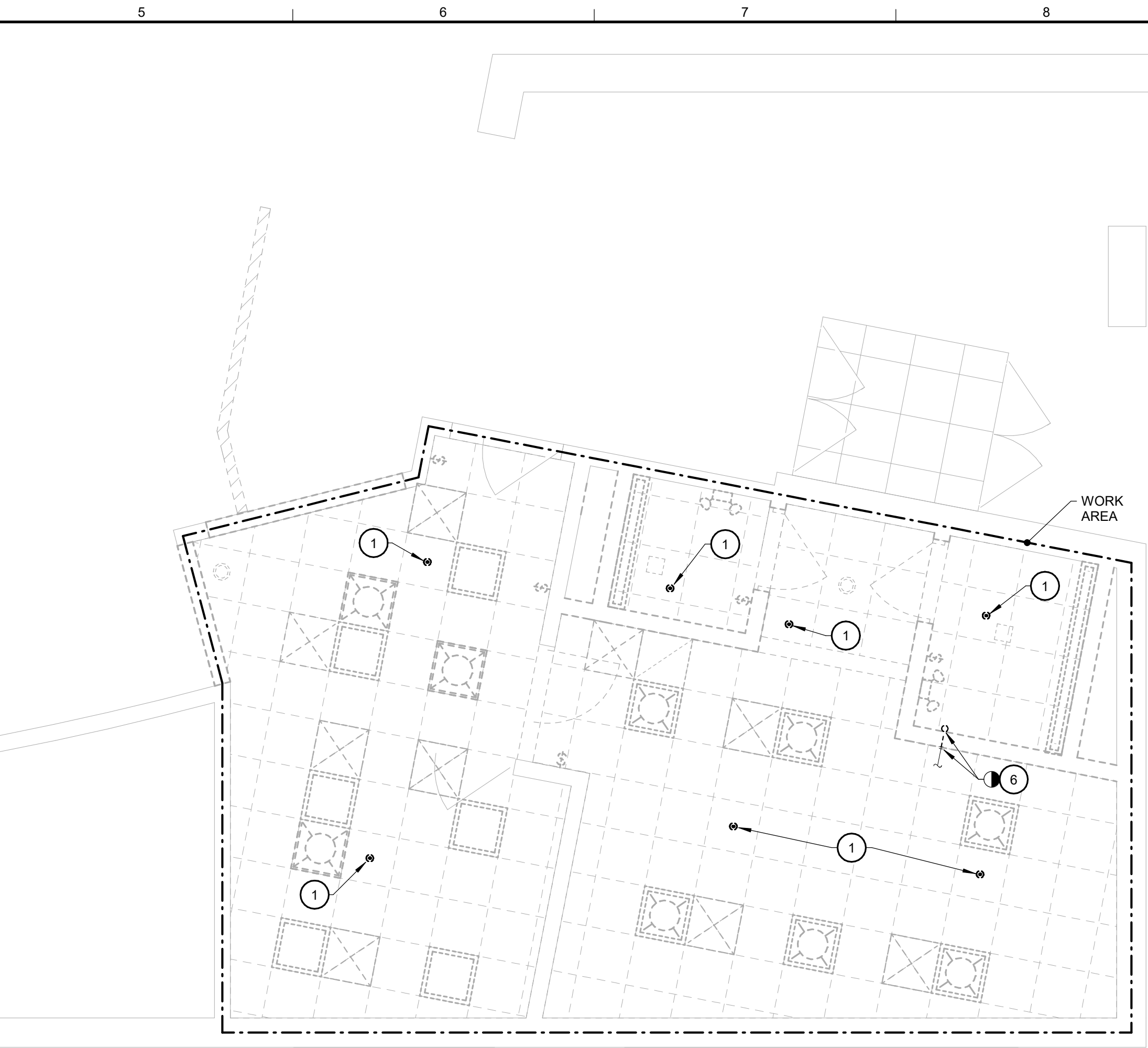
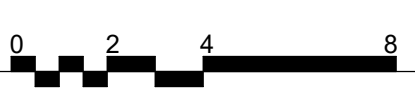
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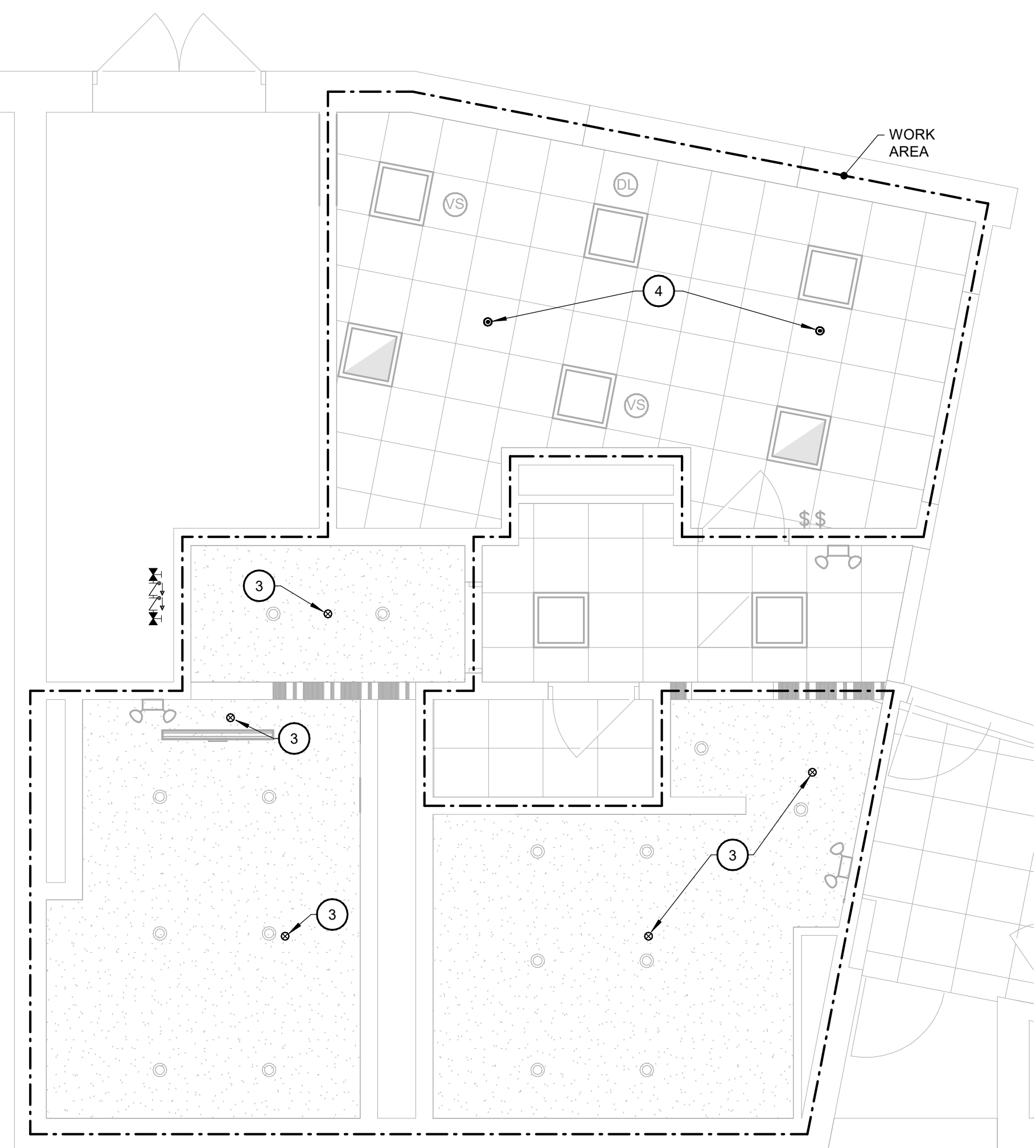
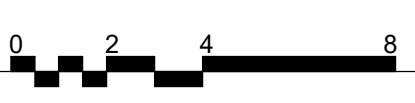
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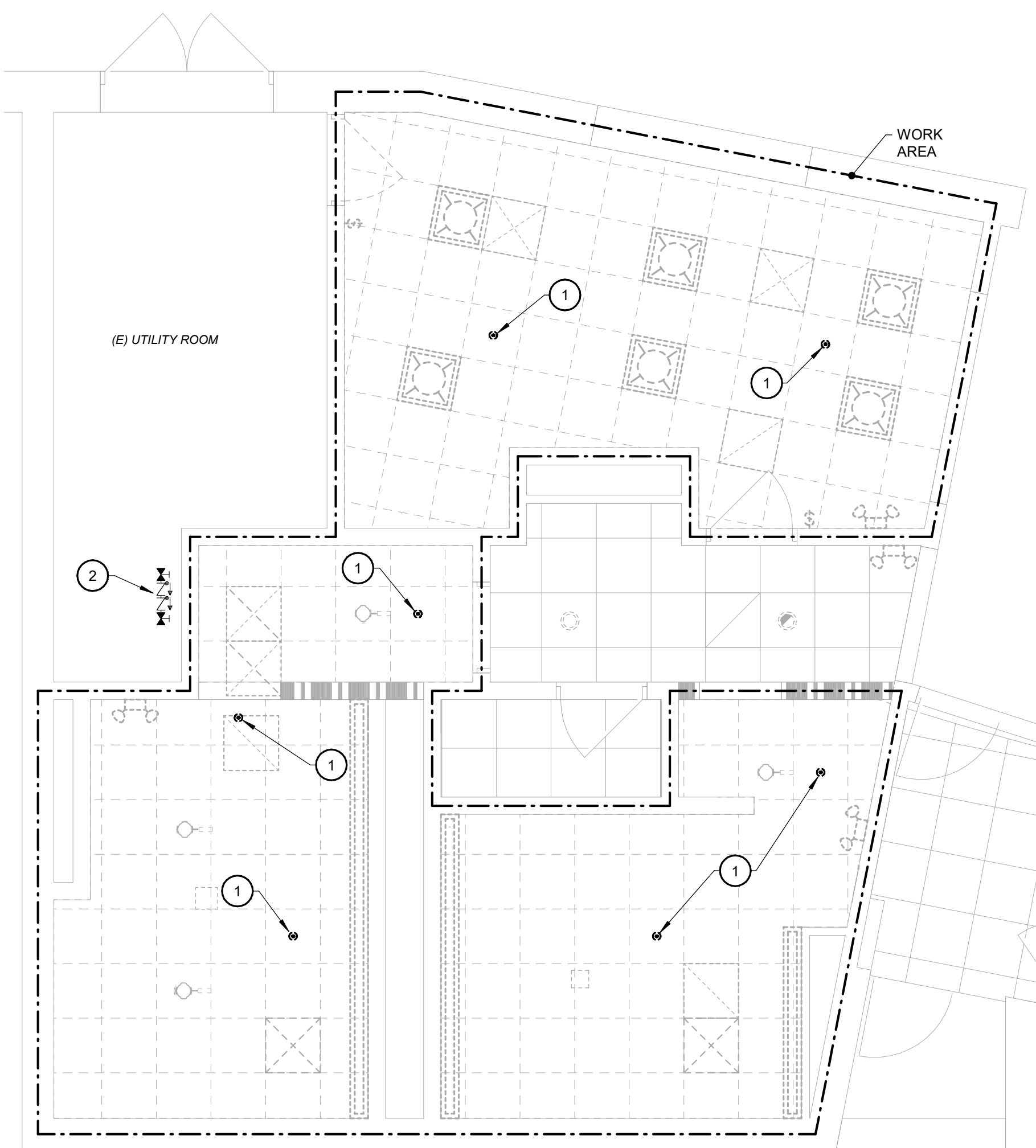
4 FIRST FLOOR FIRE PROTECTION PLAN - NORTH
Scale: 1/4" = 1'-0"



2 FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN - NORTH
Scale: 1/4" = 1'-0"



3 FIRST FLOOR FIRE PROTECTION PLAN - SOUTH
Scale: 1/4" = 1'-0"



1 FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN - SOUTH
Scale: 1/4" = 1'-0"



KEYNOTES #

- 1 REMOVE EXISTING SPRINKLER HEAD AND ASSOCIATED BRANCH PIPING TO EXTENT REQUIRED FOR NEW HEAD. FLUSH EXISTING SYSTEM PRIOR TO INSTALLATION OF ANY NEW PIPE AND SPRINKLERS.
- 2 EXISTING SPRINKLER WATER RISER ASSEMBLY LOCATION. FPC TO REVIEW ALONG WITH AVAILABLE SYSTEM DRAIN PROVISIONS IN EACH WORK AREA PRIOR TO BID.
- 3 INSTALL NEW CONCEALED SPRINKLER HEAD WITH GASKET UTILIZING PAST HEAD SOURCE BRANCH PIPING.
- 4 INSTALL NEW SEMI-RECESSED SPRINKLER HEAD UTILIZING PAST HEAD SOURCE BRANCH PIPING.
- 5 EXTEND NEW 1"SPRINKLER BRANCH LINE FROM NEAREST ADEQUATE SOURCE MAIN TO NEW SPRINKLER HEAD LOCATION BENEATH WALKWAY.
- 6 DISCONNECT AND REMOVE SPRINKLER TEST STATION TO ALLOW FOR NEW WORK. MAINTAIN SOURCE PIPING FOR RELOCATED STATION.
- 7 CONNECT TO EXISTING DRAIN SOURCE PIPING AND EXTEND PIPING DOWN IN CHASE TERMINATING AT EXTERIOR 12" ABOVE SIDEWALK. INCLUDE ESCUTCHEON AND CAULK AROUND EXTERIOR PIPE PENETRATION. TAG NEW DRAIN VALVE FOR INSPECTOR TEST PER NFPA-13 STANDARDS.

THE FIRE PROTECTION DRAWING IS DESIGNED TO BE IN CONFORMANCE WITH NFPA 13. IT IS A PERFORMANCE BASED DRAWING INDICATING THE EXTENT OF FIRE PROTECTION WORK FOR THE AREA THAT THIS DRAWING REPRESENTS. THIS DRAWING IS "FOR INFORMATION ONLY". AS A REFERENCE FOR THE FIRE PROTECTION CONTRACTOR TO BASE THE DESIGN OF THE FIRE PROTECTION SYSTEM ON. THE CONTRACTOR SHALL VERIFY THE EXACT CONDITIONS THAT THIS DRAWING REPRESENTS, INCLUDING ANY PERCEIVED CONCEALED SPACES, AND THE BUILDING TYPE AND CONSTRUCTION AS OUTLINED IN THE INTERNATIONAL BUILDING CODE, PRIOR TO THE START OF WORK. REFER TO THE INTERNATIONAL BUILDING CODE, ESPECIALLY CHAPTERS 6 (TYPES OF CONSTRUCTION) AND CHAPTER 9 (FIRE PROTECTION SYSTEMS), NFPA 13, AND THE PROJECT SPECIFICATIONS FOR OTHER FIRE PROTECTION REQUIREMENTS.



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ISSUE:
DATE: DESCRIPTION:

BID SET
05/28/2019

PROJECT:
Greater Peoria Mass Transit District

CityLink Transit Center Renovation

407 SW ADAMS STREET
PEORIA, IL 61602

DATE: 05/28/2019
DESIGNED: RRO
DRAWN: KJJ
REVIEWED: EJC

SHEET TITLE:
FIRST FLOOR FIRE PROTECTION PLANS

SHEET NUMBER:
F1.1

PROJECT NO.: 0180459.04

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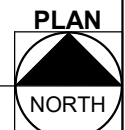
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2 SECOND FLOOR FIRE PROTECTION PLAN - NORTH
Scale: 1/4" = 1'-0"



1 SECOND FLOOR FIRE PROTECTION DEMOLITION PLAN - NORTH
Scale: 1/4" = 1'-0"



KEYNOTES #

- 1 REMOVE EXISTING SPRINKLER HEAD AND ASSOCIATED BRANCH PIPING TO EXTENT REQUIRED FOR NEW HEAD. FLUSH EXISTING SYSTEM PRIOR TO INSTALLATION OF ANY NEW PIPE AND SPRINKLERS.
- 2 INSTALL NEW SEMI-RECESSED SPRINKLER HEAD UTILIZING PAST HEAD SOURCE BRANCH PIPING.
- 3 EXTEND NEW 1"SPRINKLER BRANCH LINE FROM NEAREST ADEQUATE SOURCE MAIN BASED ON NEW SPRINKLER HEAD LOCATION.
- 4 NEW LAYOUT FOR THIS AREA WILL REQUIRE MORE COVERAGE VS. EXISTING OPEN OFFICE AREA. FPC SHALL FIELD REVIEW EXISTING DISTRIBUTION AND REVISE SOURCE AND BRANCH PIPING AS REQUIRED TO SERVE ALL NEW HEADS. FPC IS TO RE-CALCULATE THE DESIGN AREA AND SUBMIT NEW LAYOUT PLANS AND CALCULATIONS FOR REVIEW. AT CONTRACTOR OPTION LAYOUT REVISIONS MAY BE MADE UTILIZING A PIPE-SCHEDULE METHOD AS OUTLINED IN NFPA-13 STANDARDS. SUBMIT NEW DISTRIBUTION LAYOUT FOR REVIEW AND OWNER RECORDS REGARDLESS OF DESIGN METHOD CHOSEN.

THE FIRE PROTECTION DRAWING IS DESIGNED TO BE IN CONFORMANCE WITH NFPA 13. IT IS A PERFORMANCE BASED DRAWING INDICATING THE EXTENT OF FIRE PROTECTION WORK FOR THE AREA THAT THIS DRAWING REPRESENTS. THIS DRAWING IS "FOR INFORMATION ONLY", AS A REFERENCE FOR THE FIRE PROTECTION CONTRACTOR TO BASE THE DESIGN OF THE FIRE PROTECTION SYSTEM ON. THE CONTRACTOR SHALL VERIFY THE EXACT CONDITIONS THAT THIS DRAWING REPRESENTS, INCLUDING ANY PERCEIVED CONCEALED SPACES, AND THE BUILDING TYPE AND CONSTRUCTION AS OUTLINED IN THE INTERNATIONAL BUILDING CODE, PRIOR TO THE START OF WORK. REFER TO THE INTERNATIONAL BUILDING CODE, ESPECIALLY CHAPTERS 6 (TYPES OF CONSTRUCTION) AND CHAPTER 9 (FIRE PROTECTION SYSTEMS), NFPA 13, AND THE PROJECT SPECIFICATIONS FOR OTHER FIRE PROTECTION REQUIREMENTS.



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DATE: 05/28/2019
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DRAWN: KJJ
REVIEWED: EJC

SHEET TITLE:
SECOND FLOOR FIRE
PROTECTION PLANS

SHEET NUMBER:

F1.2

PROJECT NO.: 0180459.04

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PLUMBING SYMBOLS & ABBREVIATIONS

NOTE: NOT ALL MAY BE USED ON THIS PROJECT

ANNOTATION ABBREVIATIONS

AC	ABOVE CEILING
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
BAS	BUILDING AUTOMATION SYSTEM
BF	BELOW FLOOR
BG	BELOW GRADE
BH	BOOSTER HEATER
BFP	BACKFLOW PREVENTION DEVICE
BJ	BETWEEN JOISTS
BOP	BOTTOM OF PIPE
BTUH	BRITISH THERMAL UNITS PER HOUR
CF	COMBINATION FIXTURE
COND	CONDENSATE
CP	CONDENSATE PUMP
CSS	CLINICAL SERVICE SINK
CV	CONTROL VALVE
DF	DRINKING FOUNTAIN
DN	DOWN
DS	DOWNSPOUT NOZZLE
DW	DISHWASHER
EC	ELECTRICAL CONTRACTOR
EEW	EMERGENCY EYE WASH
EEWSH	COMB. EMERGENCY EYE WASH/SHOWER
ET	EXPANSION TANK
EW	ELECTRIC WATER COOLER
EW	ELECTRIC WATER HEATER
FA	FROM ABOVE
FB	FROM BELOW
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FPC	FIRE PROTECTION SUBCONTRACTOR
FS	FLOOR SINK
FT	FILL TANK
GD	GARBAGE DISPOSAL
GPM	GALLONS PER MINUTE
GWH	GAS WATER HEATER
GC	GENERAL CONTRACTOR
HAP	HIGH AS POSSIBLE
HB	HOSE BIBB (INTERIOR)
HS	HOSE STATION
HWCP	HOT WATER RECIRCULATION PUMP
IM	ICE MAKER
L	LAVATORY
LT	LAUNDRY TUB
MBH	THOUSANDS OF BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MSB	MOP SINK BASIN
NTS	NOT TO SCALE
ORD	OVERFLOW ROOF DRAIN
P	PUMP
PC	PLUMBING CONTRACTOR
PRV	PRESSURE RELIEF VALVE
RD	ROOF DRAIN
SC	SILLCOCK (EXTERIOR)
SE	SEWAGE EJECTOR
SF	SQUARE FOOT
SH	SHOWER
SK	SINK
SP	SUMP PUMP
SS	SERVICE SINK
TFA	TO FLOOR ABOVE
TB	TO BELOW
TFB	TO FLOOR BELOW
TMV	THERMOSTATIC MIXING VALVE
TOP	TOP OF PIPE
UR	URINAL
VB	VACUUM BREAKER
VTR	VENT THRU ROOF
WB	WASHER BOX
WC	WATER CLOSET
WCO	WALL CLEANOUT
WF	WASH FOUNTAIN
WFL	WATER FILTER
WS	WATER SOFTENER
YCO	YARD CLEANOUT

ANNOTATION SYMOLOGY

	PLUMBING KEYNOTE
	KITCHEN EQUIPMENT DESIGNATION
	BOLD TEXT INDICATES NEW ITEM
	ITALIC TEXT INDICATES EXISTING ITEM

PLUMBING SYMOLOGY

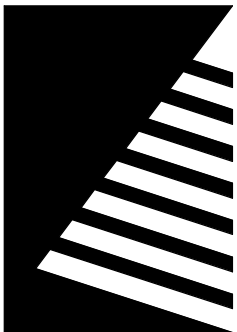
PIPING SYSTEM	
AW	ACID WASTE
CA	COMPRESSED AIR
CD	CONDENSATE DRAIN
CO2	CARBON DIOXIDE
G	NATURAL GAS
GW	GREASE WASTE
MA	MEDICAL AIR
N2	NITROGEN
N2O	NITROUS OXIDE
O2	OXYGEN
OST	OVERFLOW STORM
OW	OIL WASTE
PD	PUMP DISCHARGE
ST	STORM
VAC	VACUUM
WAGD	WASTE ANESTHETIC GAS DISPOSAL
W	SANITARY WASTE
PIPE SLOPE ARROW	
AV	ACID VENT
OV	OIL VENT
V	SANITARY VENT
CW	DOMESTIC COLD WATER
DI	DE-IONIZED WATER
NPCW	NONPOTABLE COLD WATER
RO	REVERSE OSMOSIS WATER
SCW	SOFTENED COLD WATER
HW	DOMESTIC HOT WATER
HW 140	DOMESTIC HOT WATER (OTHER TEMP)
HWC	DOMESTIC HW RECIRCULATION
FLOW ARROW	
CONCENTRIC REDUCER	
ECCENTRIC REDUCER	
3-WAY CONTROL VALVE	
ANGLE GATE VALVE	
ANGLE GLOBE VALVE	
BALANCING/SHUTOFF VALVE	
BALL VALVE	
BUTTERFLY VALVE	
CALIBRATED BALANCING VALVE	
CHECK VALVE	
CONTROL VALVE	
EXPANSION VALVE	
GAS COCK	
GATE VALVE	
GLOBE VALVE	
PLUG VALVE	
PRESSURE REDUCING VALVE (WATER)	
PRESSURE REGULATOR (GAS)	
QUICK OPEN VALVE	
SAFETY RELIEF VALVE	
SOLENOID VALVE	
VACUUM RELIEF VALVE	
BACKFLOW PREVENTER	
HOSE BIBB / SILLCOCK	
AUTOMATIC AIR VENT	
PRESSURE GAUGE	
THERMOMETER	
FLOW SWITCH	
PRESSURE SWITCH	
TEMPERATURE SWITCH	
PIPE UNION	
WYE STRAINER	
WYE STRAINER W/DRAIN VALVE	
PUMP	
FLOOR DRAIN - ROUND OR SQUARE	
FLOOR CLEANOUT - ROUND OR SQUARE	
SUSPENDED CLEANOUT	
WALL CLEANOUT	
PIPE CAP	
PIPE TURNING DOWN	
PIPE TURNING UP	
TEE UP	
TEE DOWN	
DROP AND RUN	
DROP AND TURN	
TEE OFF TOP	
TEE OFF BOTTOM	
CROSS AND RISER	
PLAN 90° ELBOW	
PIPE TEE	
FLEXIBLE PIPE CONNECTOR	
PIPE ANCHOR	
PIPE GUIDES	
WATER METER	
DETAIL MODULE NUMBER DETAIL OR SECTION MARK SHOWN ON DRAWING	
POINT OF NEW CONNECTION	
POINT OF TERMINATION/CAP	
PLUMBING EQUIPMENT DESIGNATION	

PLUMBING DEMOLITION GENERAL NOTES

- A. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL PLUMBING FIXTURES, PIPING, EQUIPMENT WHERE INDICATED ON PLANS.
- B. THIS PROJECT IS BEING PHASED TO MAINTAIN BUSINESS OPERATIONS. COORDINATE DEMOLITION ACTIVITIES IN CONJUNCTION WITH OTHER WORK AND PLAN WORK ACCORDINGLY TO MINIMIZE DISRUPTION OF PLUMBING SYSTEMS SERVING OCCUPIED AREAS. PC SHOULD INSTALL PARTIAL NEW SYSTEMS, FIXTURES, OR EQUIPMENT PRIOR TO DEMOLITION OF NEXT PHASE IF REQUIRED TO MINIMIZE DISRUPTIONS.
- C. PLUMBING CONTRACTOR SHALL CAP ALL SANITARY WASTE AND VENT PIPING AT POINT OF REMOVAL, AND CAP DOMESTIC WATER PIPING WITHIN 2 FEET OF ACTIVE MAIN.
- D. PLUMBING CONTRACTOR SHALL DEMARCAT E CONCRETE FLOOR AREAS FOR SAW CUT AND REMOVAL BY GC. GC WILL BE RESPONSIBLE FOR PATCHING FLOOR AREAS FLUSH WITH EXISTING FLOOR ONCE PLUMBING WORK HAS BEEN COMPLETED.

PLUMBING GENERAL NOTES

- A. WORK SHALL BE PERFORMED BY A LICENSED PLUMBER OF THE STATE OF ILLINOIS.
- B. MATERIALS, INSTALLATION, AND TESTING SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF STATE AND LOCAL CODE PROCEDURES, METHODS AND REQUIREMENTS, INCLUDING THE MOST STRINGENT OF HEALTH AND SAFETY STANDARDS AS REQUIRED AND AS INTERPRETED BY THE AUTHORITY HAVING JURISDICTION. APPLICABLE CODES AND STANDARDS INCLUDE, BUT NOT LIMITED TO THE FOLLOWING:
"ILLINOIS STATE PLUMBING CODE"
"INTERNATIONAL PLUMBING, BUILDING, ENERGY, MECHANICAL AND FUEL GAS CODES"
APPLICABLE LOCAL AND MUNICIPAL CODES AND ORDINANCES.
- C. MEANING AND INTENT OF DRAWINGS: DRAWINGS ARE DIAGRAMMATIC. PIPING IS SHOWN IN SCHEMATIC FORM. SCALES INDICATED ARE FOR ARCHITECTURAL REFERENCE ONLY. IT IS NOT INTENDED THAT THE DRAWINGS SHOW EVERY WASTE, VENT, WATER PIPE, FITTING, SUPPORTS, ETC., AND IT IS UNDERSTOOD THAT THE DRAWINGS MUST BE FOLLOWED AS CLOSELY AS CIRCUMSTANCES WILL PERMIT. THE PROPER INSTALLATION ACCORDING TO THE TRUE INTENT AND MEANING OF THE DRAWINGS, LOCAL CODES AND STANDARD PRACTICES SHALL BE PROVIDED. PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO INSTALLATION. REPORT ANY PROBLEMS OR CONFLICTS TO THE ARCHITECT/ENGINEER. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS. ANY MINOR CHANGES IN LOCATION OF EQUIPMENT, WASTE VENT, WATER PIPE, ETC., FROM THOSE LOCATIONS SHOWN ON THE DRAWINGS, SHALL BE MADE WITHOUT EXTRA COST, IF SO DIRECTED BY THE ARCHITECT/ENGINEER BEFORE THE INSTALLATION IS MADE. A MINOR CHANGE IN LOCATION IS CONSIDERED TO BE WITHIN 6" OF THE ORIGINAL INDICATED LOCATION. THE EQUIPMENT INDICATED ON THESE DRAWINGS INCLUDE ONLY THE MAJOR EQUIPMENT REQUIREMENTS. NOT WITHSTANDING, THE DETAILS PRESENTED IN THESE DRAWINGS VERIFY THE COMPLETENESS OF THE MATERIALS LISTS AND SUITABILITY OF DEVICES TO MEET THE INTENT OF THIS PROJECT. ANY ADDITIONAL EQUIPMENT OR MATERIAL REQUIRED, EVEN IF NOT SPECIFICALLY MENTIONED HEREIN SHALL BE PROVIDED WITHOUT CLAIM FOR ADDITIONAL PAYMENT; IT BEING UNDERSTOOD THAT A COMPLETE AND OPERATIONAL PLUMBING SYSTEM, SATISFACTORY TO THE ARCHITECT/ENGINEER AND THE OWNER SHALL BE PROVIDED. USE ONLY THE MANUFACTURER'S TESTED ASSEMBLIES.
- D. COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES AND STRUCTURAL CONDITIONS TO AVOID ANY CONFLICTS.
- E. MAINTAIN A MINIMUM CLEARANCE OF 3'-0" IN FRONT OF ELECTRICAL PANELS AND 1'-0" EITHER SIDE WHEN INSTALLING PLUMBING SYSTEMS IN THE SAME AREA. PIPE SYSTEMS, EQUIPMENT, ETC., SHALL NOT BE ROUTED DIRECTLY OVER PANELS OR SWITCH GEAR, AND WHERE ABOVE MAY BE AS CLOSE AS 12 INCHES FROM PERIMETER. REFER TO ADOPTED ELECTRICAL CODES WHERE IN DOUBT.
- F. INCLUDE IN BID ALL LICENSE, PERMIT, INSPECTION AND OTHER FEES REQUIRED BY AUTHORITIES HAVING JURISDICTION FOR COMPLETION OF WORK..
- G. PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, ETC. REQUIRED TO ASSURE COMPLETE AND FUNCTIONAL PLUMBING SYSTEMS.
- H. ALL CLEANOUTS, VALVES, AIR CHAMBERS, ETC. ARE TO BE ACCESSIBLE. EXTEND PIPING AND PROVIDE ACCESS PANELS WHERE NECESSARY. PLUMBING CONTRACTOR WILL BE REQUIRED TO DEMONSTRATE ACCESSIBILITY IF IT IS QUESTIONABLE. ACCESS PANEL SIZES, LOCATIONS, AND FINAL COLOR SHALL BE COORDINATED WITH THE ARCHITECT AS WELL AS ALL OTHER TRADES TO AVOID ANY CONFLICTS. ACCESS PANELS PROVIDED BY PLUMBING CONTRACTOR FOR INSTALLATION BY GENERAL CONTRACTOR.
- I. PLUMBING CONTRACTOR SHALL CLEAN WORK AREA OF ALL DUST AND DEBRIS GENERATED BY THEIR WORK AT THE END OF EACH WORK DAY.
- J. ALL PLUMBING SYSTEM VALVES SHALL BE INSTALLED IN A LOCATION AND ORIENTATION THAT WILL PERMIT INTENDED USE.
- K. PROVIDE STOPS AND/OR ISOLATION VALVES TO EACH INDIVIDUAL FIXTURE OR PIECE OF EQUIPMENT TO ALLOW FOR INDIVIDUAL SERVICING UNLESS NOTED OTHERWISE ON PLANS.
- L. SANITARY WASTE PIPING SHALL BE SLOPED AT 1/8-INCH PER FOOT MINIMUM FOR ALL PIPING 4-INCH AND LARGER AND AT 1/4-INCH PER FOOT MINIMUM FOR ALL PIPING 3-INCH AND SMALLER.
- M. INDIRECT DRAIN PIPING FROM FIXTURES, SPECIALTIES, AND EQUIPMENT SHALL BE ROUTED TO FLOOR DRAIN OR OTHER APPROVED RECEPTACLES AND TERMINATED WITH AN AIR GAP 2 TIMES THE DIAMETER OF THE DRAIN PIPING BUT NOT LESS THAN A 1 INCH GAP. SUPPORT PIPING SO DRAIN PIPING CANNOT BE DEFLECTED FROM DRAIN SOURCE.
- N. WHEREVER POSSIBLE, HORIZONTAL SOIL OR WASTE PIPE SHALL COME OFF TOP OR AT 45 DEGREE VERTICALLY FROM CENTER OF PIPE BEFORE OFFSETTING HORIZONTALLY TO RISER.
- O. ALL VENT TERMINATIONS SHALL BE COORDINATED WITH BUILDING OPENINGS, AIR INTAKES, AND AIR EXHAUST OPENINGS. ADJUST VENT THROUGH ROOF LOCATIONS TO COMPLY WITH APPLICABLE CODE.
- P. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING ALL HANGERS AND SUPPORTS ARE ANCHORED OR ATTACHED TO BUILDING ELEMENTS ADEQUATE FOR INTENDED PLUMBING SYSTEM OR EQUIPMENT.
- Q. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL NAIL PLATES WHERE PIPING PASSES THROUGH STUD(S) WITHIN 2" OF NAILING SURFACE TO PROTECT PIPE FROM NAILS OR DRYWALL SCREWS.
- R. PLUMBING CONTRACTOR SHALL INSTALL AIR CHAMBERS ON VERTICAL DROP TO INDIVIDUAL SINKS WITH SPRAY FEATURE. INSTALL PISTON-TYPE WATER HAMMER ARRESTORS ON HORIZONTAL PIPING PRIOR TO DROP TO ALL INDIVIDUAL FLUSH VALVE FIXTURES. PISTON- OR DIAPHRAGM-TYPE WATER HAMMER ARRESTORS MAY BE UTILIZED FOR WATER HEADERS SERVING A GROUP OF FIXTURES WITHIN THE SAME CHASE AND SHALL BE LOCATED UPSTREAM THE LAST FIXTURE SERVED ON THE HEADER. LOCATE ARRESTORS IN ACCESSIBLE LOCATION, OR PROVIDE ACCESS PANEL. SIZE ARRESTORS PER MANUFACTURER'S RECOMMENDATION FOR RELATED FIXTURE LOAD.
- S. MINIMIZE DEVELOPED LENGTH OF BRANCH RUNOUTS FROM CIRCULATED DOMESTIC HOT WATER MAINS TO FIXTURES AND/OR MIXING VALVES WHENEVER POSSIBLE.
- T. ALL P-TRAPS FOR FLOOR DRAINS AND FLOOR SINKS SHALL BE DEEP SEAL TRAP FILLED WITH VEGETABLE OIL.
- U. PLUMBING CONTRACTOR TO INSTALL AND TEST EQUIPMENT PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS TO ASSURE PROPER OPERATION.
- V. INSULATE ALL ABOVE FLOOR TRAPS RECEIVING CHILLED WATER OR CONDENSATE WITH ELASTOMERIC MATERIAL.
- W. REFER TO WRITTEN SPECIFICATIONS FOR PLUMBING SYSTEM MATERIALS, EQUIPMENT AND SPECIALTY REQUIREMENTS.



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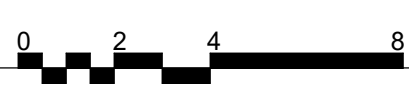
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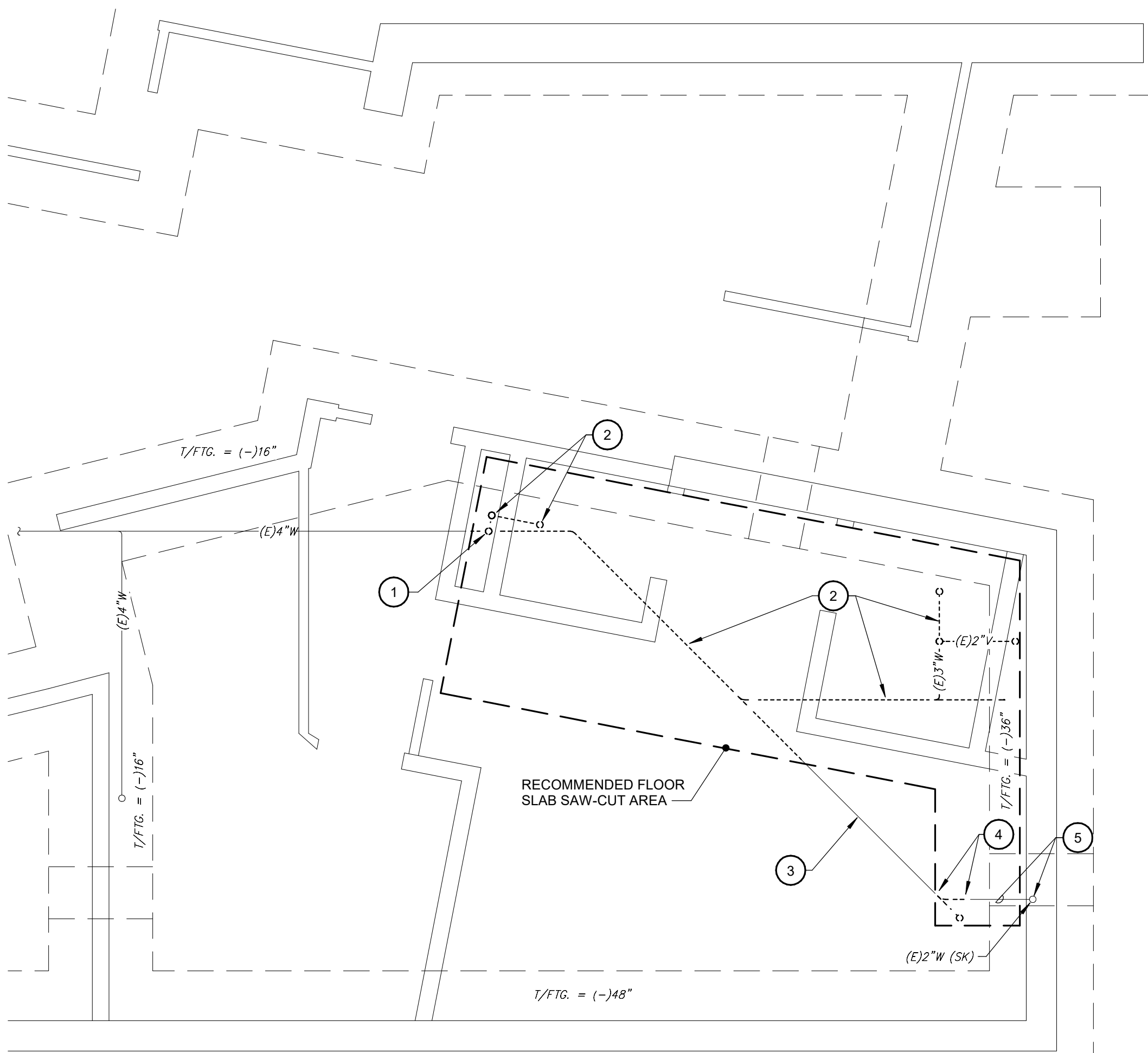
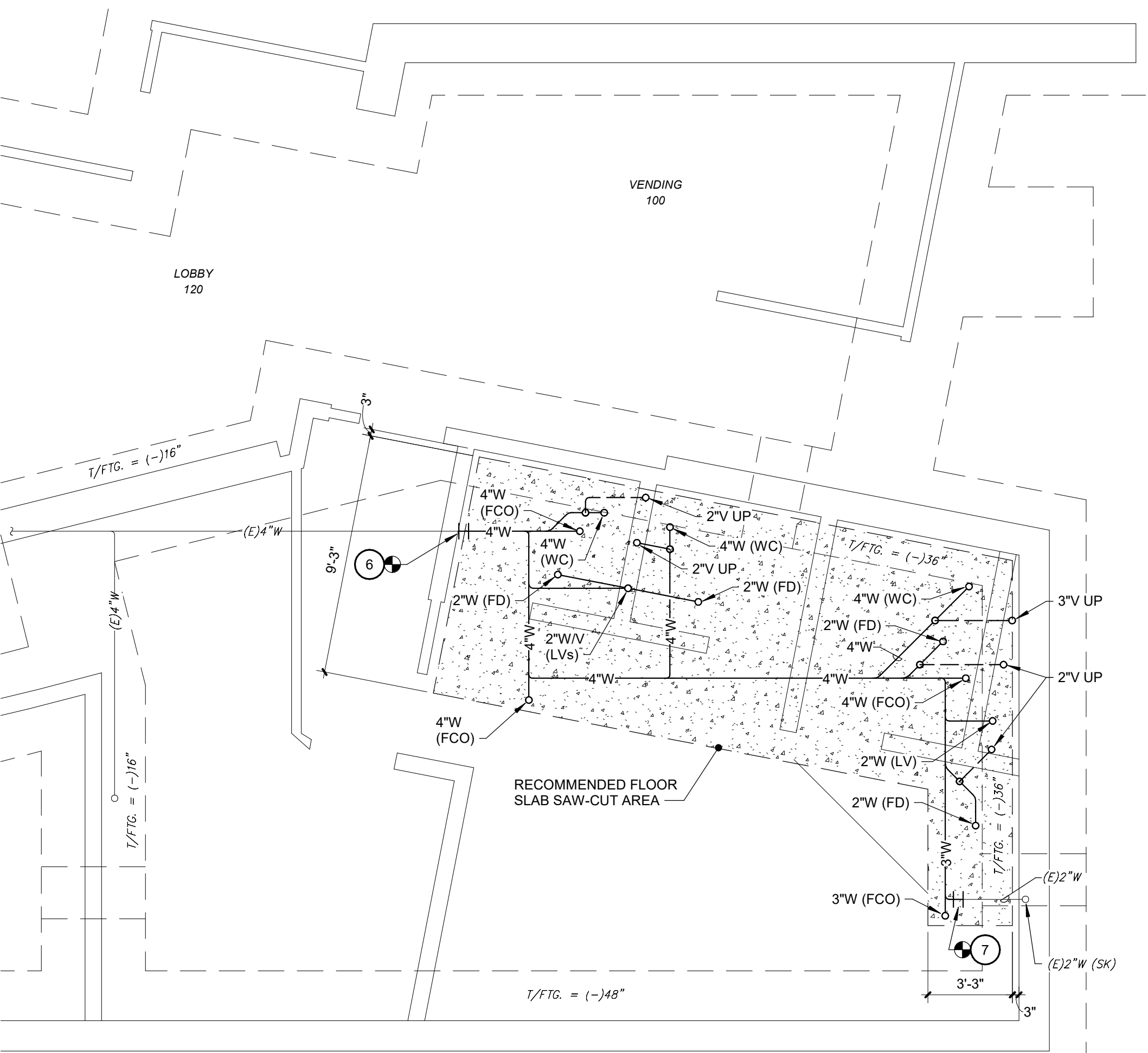
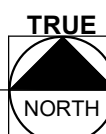
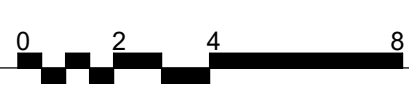
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UNDERSLAB PLUMBING PLAN - NORTH
Scale: 1/4" = 1'-0"



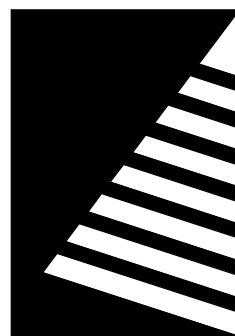
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UNDERSLAB PLUMBING DEMOLITION PLAN - NORTH
Scale: 1/4" = 1'-0"



KEYNOTES #

- 1 PC TO FIELD VERIFY ACTUAL LOCATION OF 4" SANITARY MAIN SERVING BREAKROOM AREA FIXTURES AND REMOVE EXISTING WASTE AND VENT PIPING UPSTREAM AS INDICATED.
- 2 PC TO REMOVE ALL UNDER SLAB WASTE AND VENT PIPING WITHIN WORK AREA INDICATED.
- 3 FIELD CONDITIONS SUGGEST UNDER SLAB PIPING WAS NOT INSTALLED PER PAST BID DOCUMENTS. PC TO CONFIRM ACTUAL ROUTING ONCE PIPING IS EXPOSED AND CAP/ABANDON ANY UNUTILIZED WASTE OR VENT PIPING OUTSIDE FLOOR CUT AREA.
- 4 DISCONNECT 2"W FROM SINK AND REMOVE EXISTING CLEANOUT AND WASTE PIPING. MAINTAIN SINK WASTE FOR RE-CONNECTION.
- 5 EXISTING SINK WASTE RISER AND LATERAL TO REMAIN. PC TO ROD OUT AND CLEAN EXISTING WASTE PIPING AS PART OF THEIR SERVICES FOR THIS PROJECT.
- 6 PC TO CONNECT TO EXISTING WASTE PIPING WITHIN FLOOR CUT PERIMETER AND INSTALL NEW WASTE AND VENT PIPING UPSTREAM SIMILAR TO LAYOUT INDICATED. PROVIDE RED-LINE AS-BUILT DRAWINGS REFLECTING ANY REVISIONS MADE IN FIELD AS PART OF PROJECT CLOSET DOCUMENTATION.
- 7 RECONNECT 2" SINK WASTE PIPING USING NO-HUB COUPLING.



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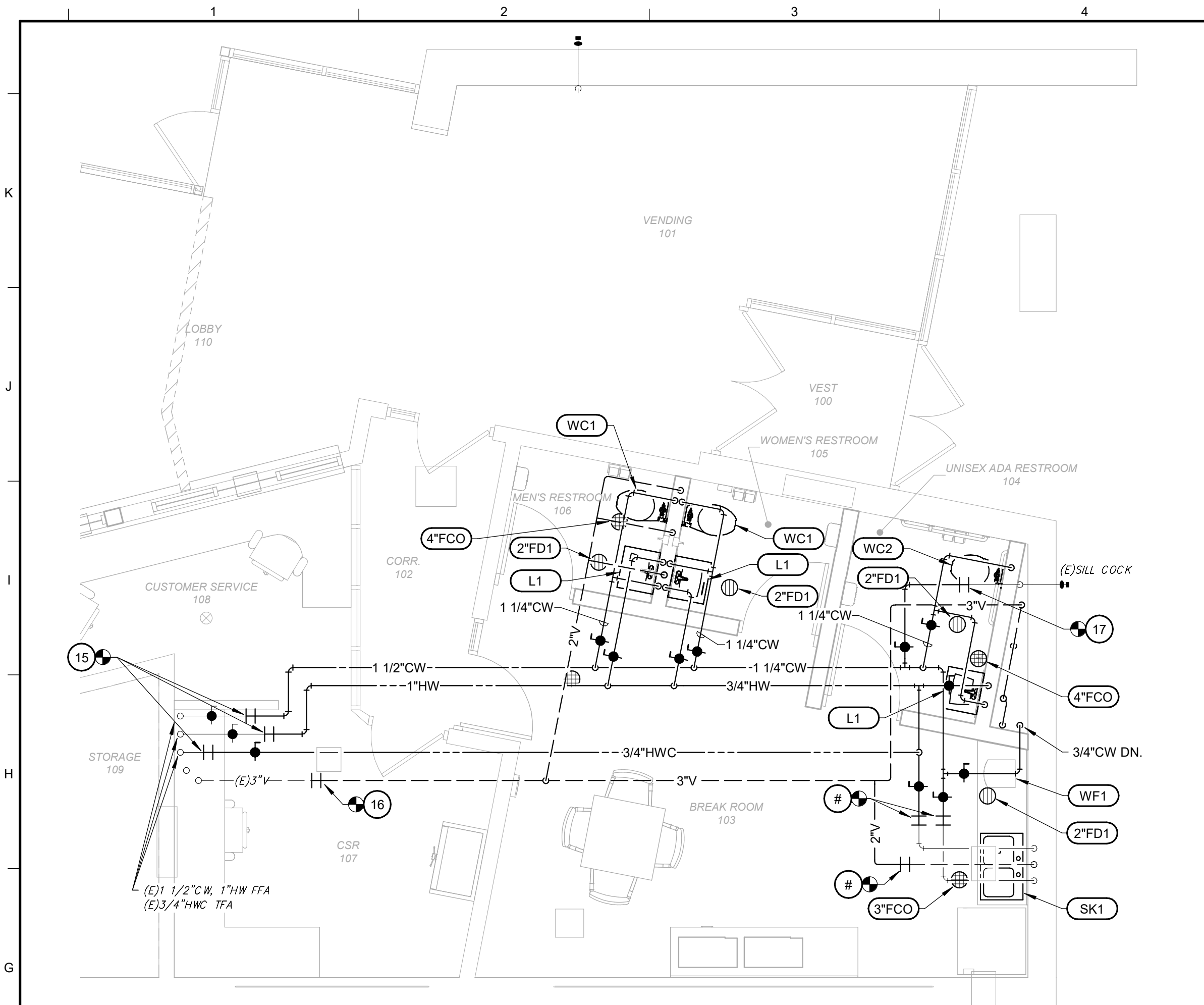
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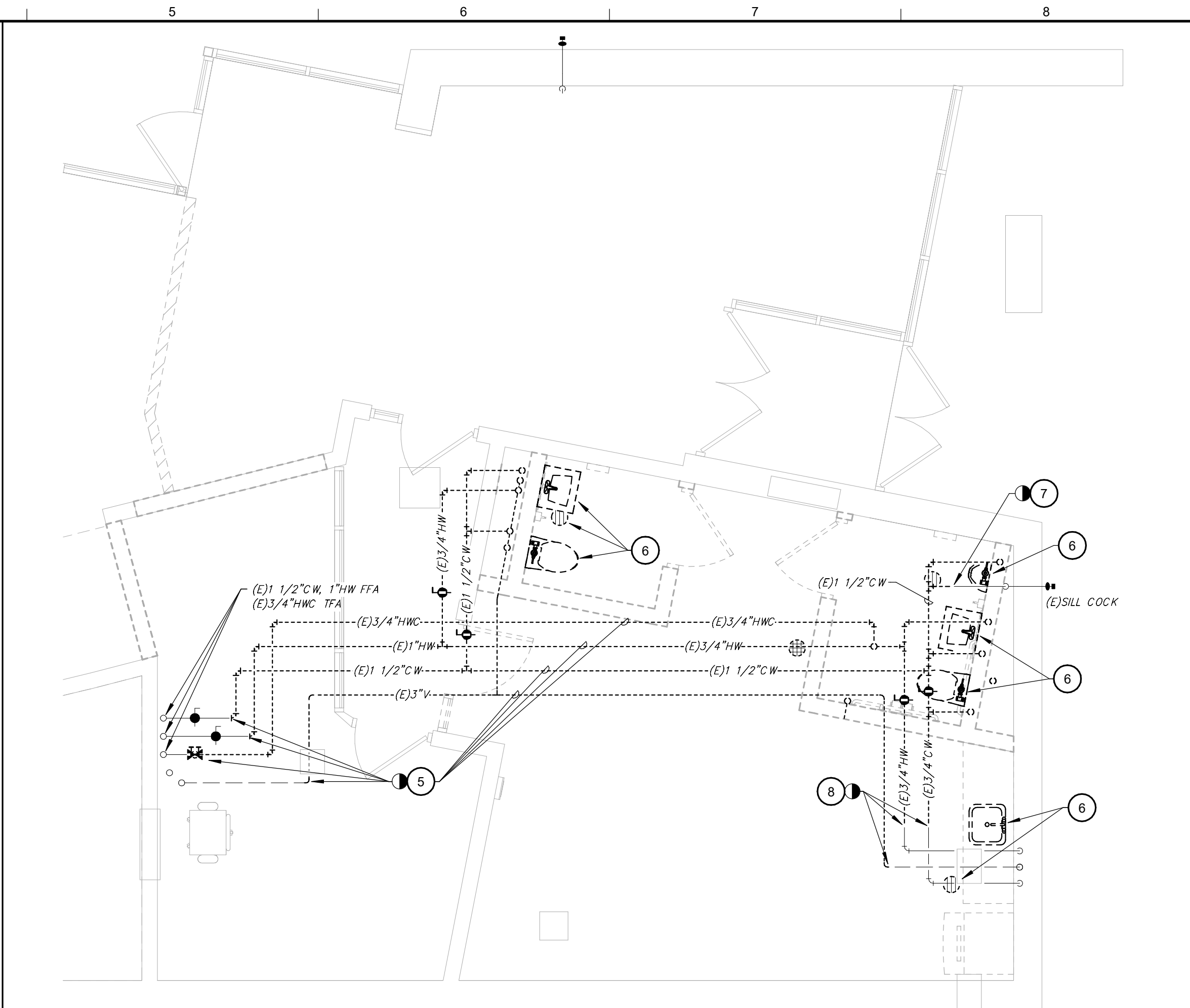
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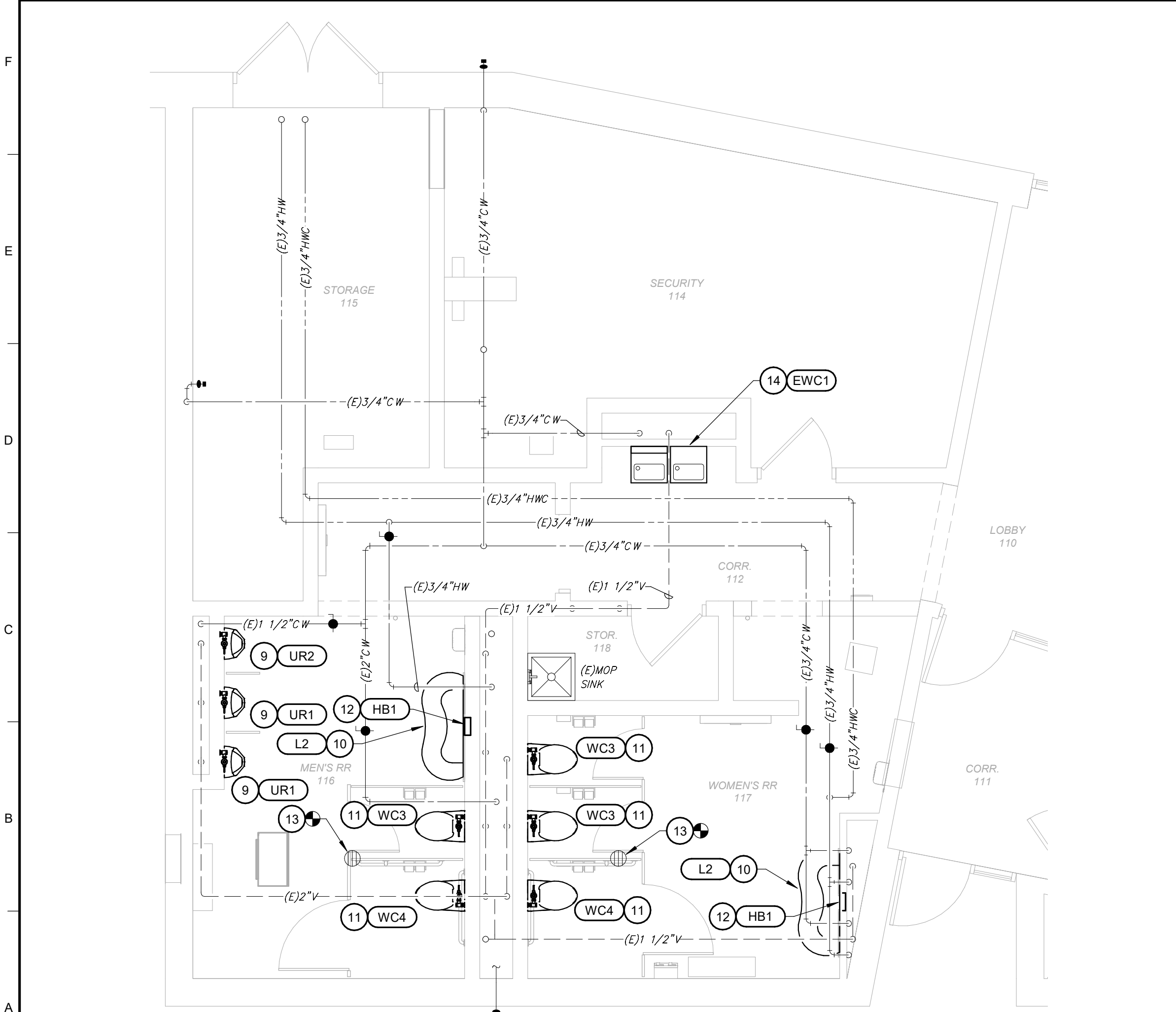
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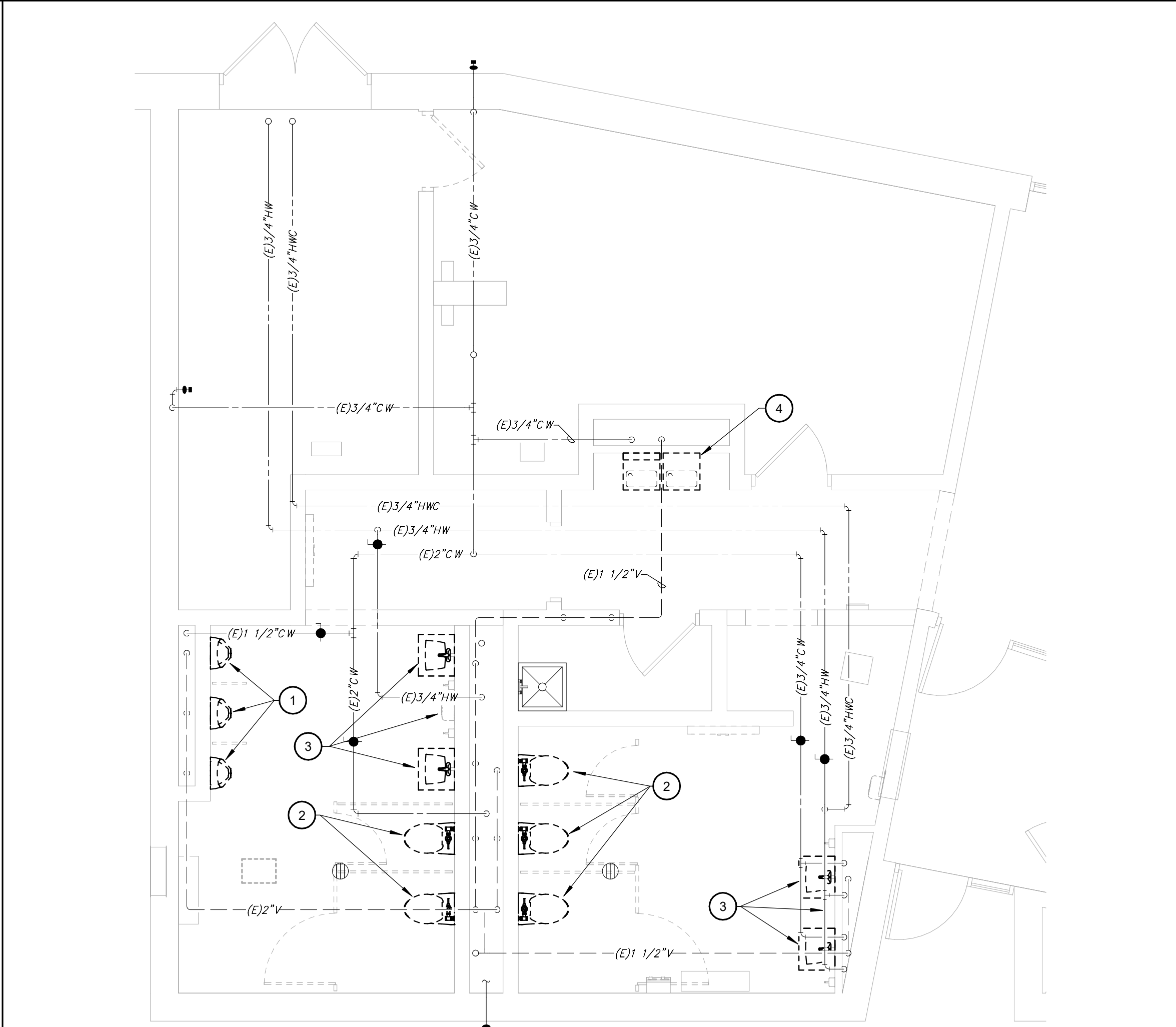
4 FIRST FLOOR PLUMBING PLAN - NORTH
Scale: 1/4" = 1'-0"



2 FIRST FLOOR PLUMBING DEMOLITION PLAN - NORTH
Scale: 1/4" = 1'-0"



3 FIRST FLOOR PLUMBING PLAN - SOUTH
Scale: 1/4" = 1'-0"



1 FIRST FLOOR PLUMBING DEMOLITION PLAN - SOUTH
Scale: 1/4" = 1'-0"

KEYNOTES

- PC TO REMOVE URINAL, FLUSH VALVE SENSOR/PLATE FLUSH VALVE, AND SUPPORTS COMPLETE. MAINTAIN WASTE ROUGH-IN, WATER ROUGH-IN, AND HARD-WIRE LOW VOLTAGE SOURCE FOR REPLACEMENT FIXTURE.
- PC TO REMOVE WATER CLOSET, FLUSH VALVE AND SENSOR/PLATE FLUSH VALVE. MAINTAIN FIXTURE CARRIER, WATER ROUGH-IN, AND HARD-WIRE LOW VOLTAGE SOURCE FOR REPLACEMENT FIXTURE.
- PC TO REMOVE LAVATORY, FAUCET, CARRIER/BACKET, AND TRIM COMPLETE. COORDINATE WITH GC TO PROVIDE ADEQUATE ACCESS TO REMOVE FIXTURE ROUGH-INS TO EXTENT REQUIRED TO SERVE NEW FIXTURE. EC TO MAINTAIN POWER SOURCE FOR NEW FIXTURE.
- PC TO REMOVE ELECTRIC WATER COOLER AND ALL COMPONENTS COMPLETE. MAINTAIN WASTE, VENT, AND POWER CONNECTIONS FOR REPLACEMENT FIXTURE.
- DISCONNECT DOMESTIC WATER AND VENT PIPING AND REMOVE RELATED PIPE, FITTINGS, AND SUPPORTS TO EXTENT INDICATED.
- PC TO REMOVE FIXTURES, DRAINS, CLEANOUTS, ETC. COMPLETE WHERE INDICATED.
- PC TO FIELD LOCATE EXTERIOR SILL COCK WATER SOURCE PIPING AND DISCONNECT. SEE NEW WORK PLANS FOR RELATED WORK.
- PC TO DISCONNECT WATER AND VENT PIPING SERVING SINK IN GENERAL LOCATION SHOWN.
- PC TO INSTALL NEW URINAL, SUPPORTS, CONCEALED FLUSH VALVE, AND SENSOR PLATE. RECONNECT SENSOR TO EXISTING LOW VOLTAGE SOURCE AND TEST FOR PROPER OPERATION.
- FIELD REVIEW AND MODIFY WATER AND WASTE ROUGH-INS SERVING PAST LAVATORIES AS REQUIRED. COORDINATE ADEQUATE WORKING ACCESS WITH GC AND SECURE WALL MOUNTED FIXTURE PER MANUFACTURER RECOMMENDATIONS. ALL WALL PATCH WORK BY GC, AND 120V RECEPTACLE BY EC.
- PC TO INSTALL NEW WATER CLOSET, CONCEALED FLUSH VALVE, AND SENSOR PLATE. PROVIDE NEW STAINLESS STEEL NUTS AND WASHERS FOR ALL EXPOSED CARRIER ROD CONNECTIONS. RECONNECT SENSOR TO EXISTING LOW VOLTAGE SOURCE AND TEST FOR PROPER OPERATION.
- PC TO COORDINATE INSTALLATION OF NEW TWO TEMPERATURE RECESSED HOSE ASSEMBLY WITH LAVATORY WORK AND COORDINATE WITH GC AND OWNER'S REPRESENTATIVE TO LOCATE BELOW OR TO EITHER SIDE OF THE LAV ASSEMBLY. ONE SET OF PAST LAVATORY WATER LINES MAY BE UTILIZED FOR THE HOSE ASSEMBLY WATER SOURCE. INSULATE ALL WATER PIPE AND FITTINGS PRIOR TO CLOSING IN CHASE.
- PC TO FIELD REVIEW FLOOR DRAIN AND PROVIDE NEW NICKEL BRONZE STRAINER. MATCHING ANCHORING HOLES. SHIM NEW STRAINER TO TOP ELEVATION SLIGHTLY LOWER THAN NEW/ADJACENT FLOOR COVERING.
- PC TO UTILIZE EXISTING WASTE, WATER, AND POWER AND INSTALL NEW WATER COOLER ASSEMBLY WITH CONCEALED COOLER. COORDINATE ANY WALL REMOVAL OR REPAIR WORK REQUIRED WITH GC.
- RECONNECT TO EXISTING DOMESTIC WATER PIPING AND EXTEND TO NEW FIXTURES SIMILAR TO ROUTING INDICATED. INSULATE PIPE AND FITTINGS AS SPECIFIED.
- EXTEND NEW 3\"V TO EXISTING AND CONNECT WITH NO-HUB COUPLING.
- PROVIDE NEW DEDICATED COLD WATER LINE AND RECONNECT TO SILL COCK SOURCE.



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ISSUE:
DATE: DESCRIPTION:

BID SET
05/28/2019

PROJECT:
Greater Peoria Mass Transit District

CityLink Transit Center Renovation

407 SW ADAMS STREET
PEORIA, IL 61602

DATE: 05/28/2019
DESIGNED: RRO
DRAWN: KJJ
REVIEWED: EJC

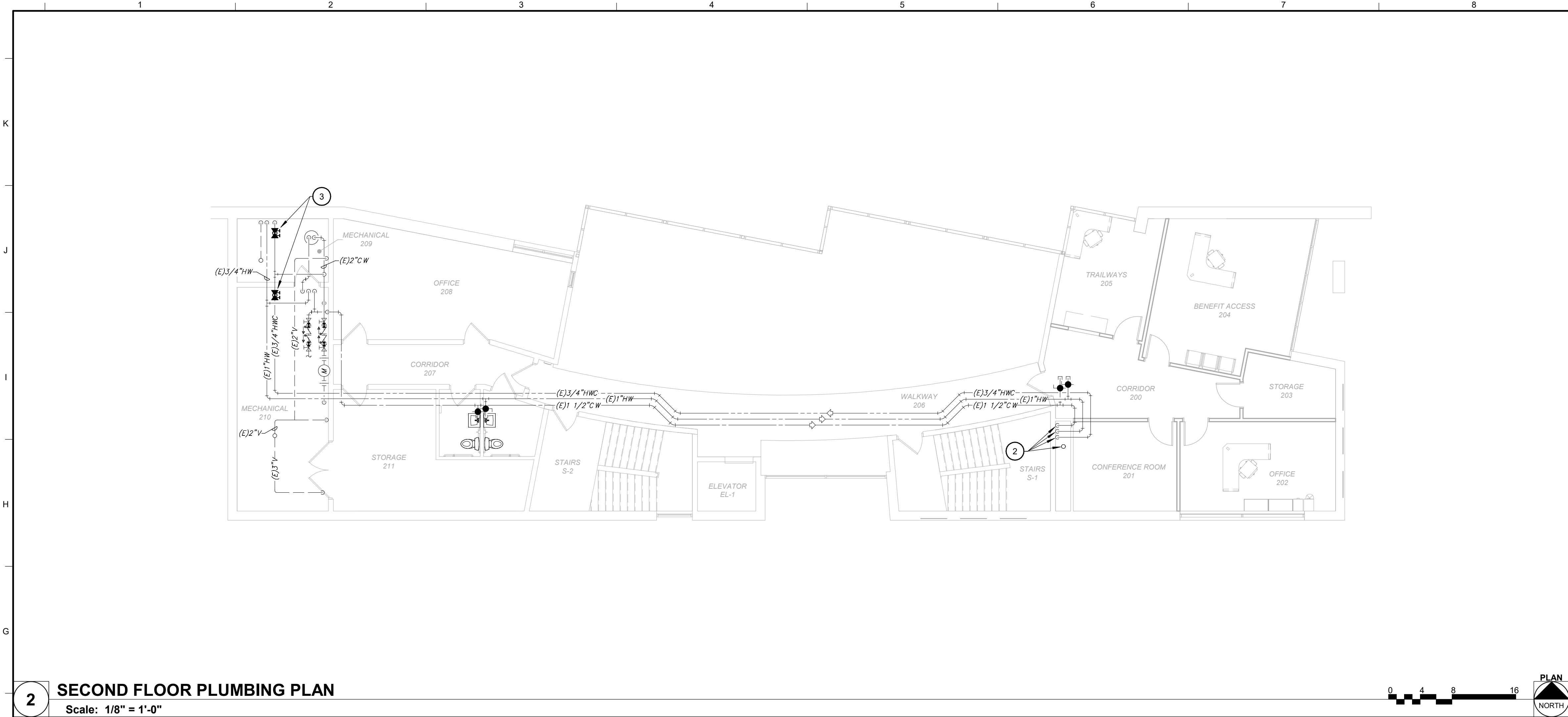
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FIRST FLOOR PLUMBING PLANS

SHEET NUMBER:

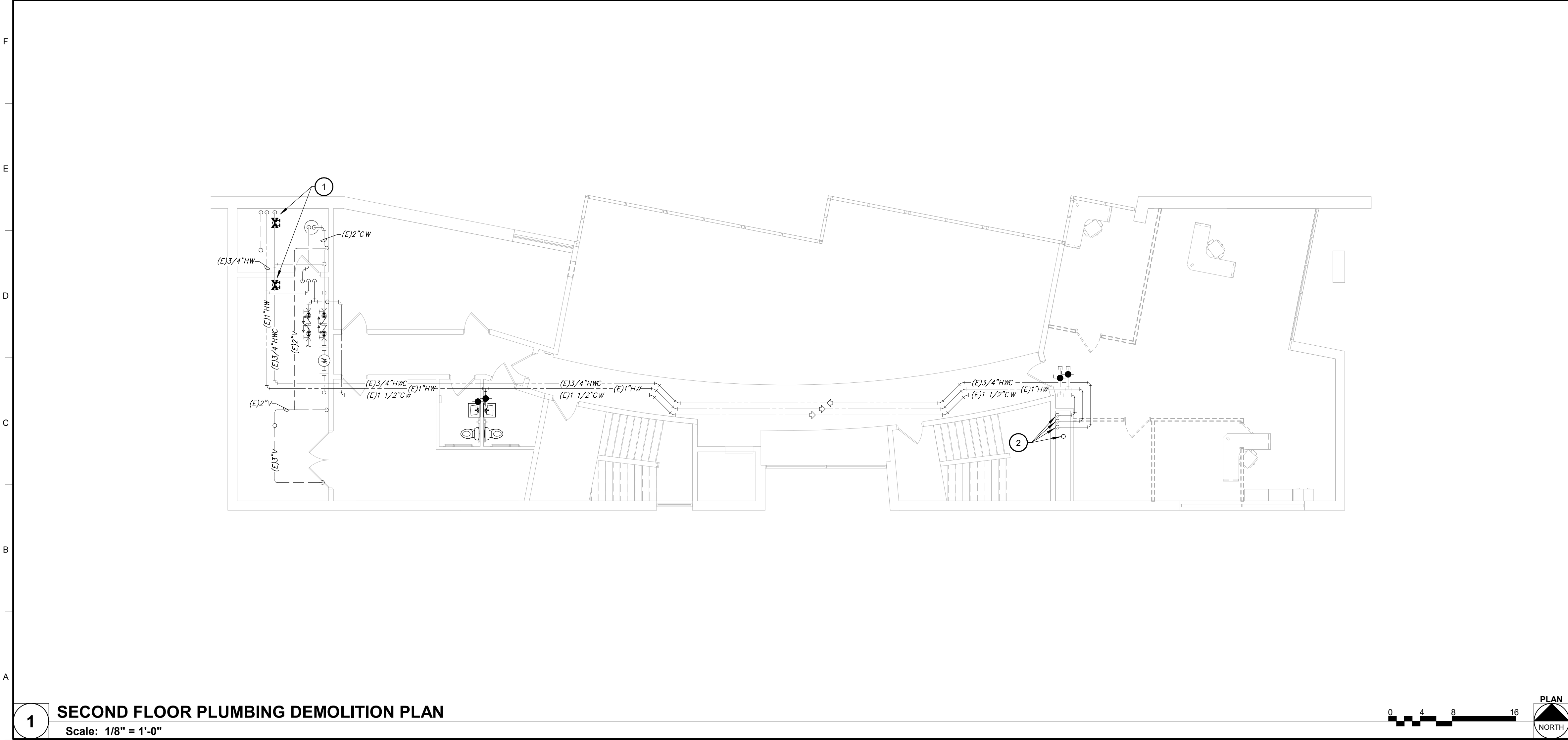
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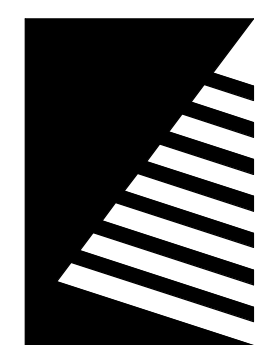
2 SECOND FLOOR PLUMBING PLAN
Scale: 1/8" = 1'-0"



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

KEYNOTES

- EXISTING DOMESTIC HOT WATER CIRCULATION SYSTEM CONSISTS OF TWO LOOPS SERVING THE FIRST FLOOR BREAKROOM AREA AND THE RESTROOM AREAS DIRECTLY BELOW. PC SHOULD FIELD REVIEW EXISTING PIPING PRIOR TO BID. REMOVE ANY EXISTING BALANCE VALVES THIS LEVEL AND/OR HWC PIPE AND FITTINGS TO THE EXTENT REQUIRED TO ACCOMMODATE NEW WORK INDICATED THIS DRAWING.
- 1 1/2" CW, 1" HW, AND 3/4" HWC DOWN TO BREAKROOM AREA BELOW. 3" V FROM BELOW TO REMAIN (NO WORK).
- PROVIDE AND INSTALL A NEW BALANCE VALVE FOR EACH OF THE TWO HWC LOOPS. INSTALL VALVES CLOSE TO COMMON TEE UPSTREAM PUMP AND PROVIDE TEST AND BALANCE SERVICES AS REQUIRED TO ASSURE CIRCULATION TO EACH AREA. BALANCE SYSTEM TO PROVIDE A MINIMUM OF 1 GPM THROUGH THE RESTROOM LOOP AND A MINIMUM OF 3 GPM THROUGH THE BREAKROOM LOOP. EXISTING CIRCULATION PUMP AND CONTROLS SHOULD BE CONSIDERED ADEQUATE.



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407 SW ADAMS STREET
PEORIA, IL 61602

DATE: 05/28/2019
DESIGNED: RRO
DRAWN: KJJ
REVIEWED: EJC

SHEET TITLE:
SECOND FLOOR PLUMBING PLANS

SHEET NUMBER:
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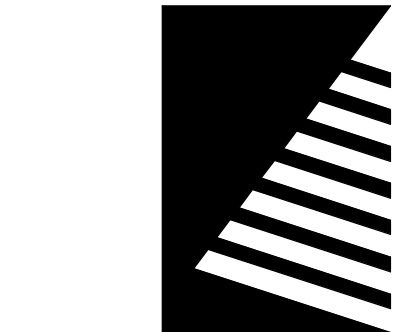
1	2	3	4	5	6	7	8	9	10
PLUMBING FIXTURE SCHEDULE									
PLAN MARK	FIXTURE DESCRIPTION AND REMARKS	MINIMUM INDIVIDUAL LINE SIZES				ELECTRICAL DATA			
		COLD WATER	HOT WATER	WASTE	VENT	V/PH	FLA		
L1	STANDARD/ADA WALL-MOUNTED LAVATORY WITH BATTERY SENSOR FAUCET FIXTURE MANUFACTURERS: PROVIDE FIXTURE EQUIVALENT TO KOLHLER MODEL No.K-2032 OR APPROVED COMMERCIAL GRADE EQUIVALENT BY AMERICAN STANDARD, BRIGGS, CRANE, GERBER, MANSFIELD, TOTO, OR ZURN. FIXTURE DESCRIPTION: ADA COMPLIANT RECTANGULAR 20.75"W x 18.25"D WHITE VITREOUS CHINA, WALL-MOUNT LAVATORY WITH INTEGRAL BACKSPLASH (4" HIGH MIN.) AND RAISED PERIMETER; (3) 1.25"DIA. FAUCET HOLE DECK PUNCHINGS 2" ON CENTERS, AND CENTERED ON FIXTURE; 1.75" BOTTOM DRAIN HOLE; AND DRILLINGS FOR CONCEALED ARM CARRIER (SEE BELOW), MOUNT AT STANDARD, OR ADA COMPLIANT HEIGHT AS INDICATED ON PLANS. REFERENCE ARCHITECTURAL PLANS AND ELEVATIONS FOR DIMENSIONS. CARRIER: ASME A112.6.1M TYPE-II, CONCEALED ARM LAVATORY CARRIER WITH RECTANGULAR STEEL UPRIGHTS. SENSOR - HARDWIRED POWERED, RIGID/FIXED SPOUT FAUCET FAUCET MANUFACTURERS: PROVIDE FAUCET EQUIVALENT TO CHICAGO FAUCETS MODEL No.116.706 AB.1 OR APPROVED EQUIVALENT BY SLOAN, T&S BRASS, OR ZURN. FAUCET DESCRIPTION: CENTERSET COMMERCIAL BRASS BODY; CHROME PLATED; 0.5 GPM AERATOR; DECK/EXPOSED MOUNTING; HARDWIRED POWERED IN-RAISED SENSOR RECESSED IN SPOUT FACE; 6.625"D SPOUT W/DECKPLATE, COORDINATE SINGLE FAUCET INLET W/INTEGRAL DECKPLATE WITH OUTLET OF TEMPERED WATER SOURCE AND FIXTURE HOLE PUNCHINGS; COORDINATE OUTLET WITH SPOUT AND FIXTURE RECEPTOR, INCLUDE FAUCET MANUFACTURER'S MULTI-FIXTURE 120VAC x 12V, OR 24V AC TRANSFORMER(S) TO QUANTITY REQUIRED, (SEE PLANS) SUPPLY FITTINGS: CHROME PLATED SOFT COPPER TUBE, OR CORRUGATED STAINLESS STEEL, CHROME PLATED BRASS ESCUTCHEON; FLEXIBLE RISERS WITH COMPRESSION INLET AND OUTLET COMPONENTS COMPATIBLE WITH FAUCET, STOPS, AND POINT-OF-USE TMV (SEE SCHEDULE), COMMERCIAL GRADE CHROME PLATED BRASS QUARTER TURN BALL-TYPE, OR COMPRESSION ANGLE VALVE STOPS WITH INLET MATCHING SUPPLY PIPING AND LOOSE KEY HANDLES. WASTE FITTINGS: ASME 112.15.2 STANDARD; GRID DRAIN WITH 1.25" OFFSET (ADA), OR STRAIGHT TAILPIECE; 1.25" CHROME PLATED 17 GAUGE TWO-PIECE P-TRAP AND SWIVEL ELBOW WITH TUBULAR WASTE TO WALL, COORDINATE 1.5" x 1.25" TRAP ADAPTOR ROUGH-IN WITH CHROME PLATED BRASS WALL FLANGE.	1/2"	1/2"	1 1/4"	1 1/2"	120/1			
L2	ADA COMPLIANT TWO-STATION LAVATORY SYSTEM WITH SENSOR SPRAY NOZZLES FIXTURE MANUFACTURERS: PROVIDE FIXTURE EQUIVALENT TO WILLOUGHBY MODEL No.WAW-2322 OR APPROVED COMMERCIAL GRADE EQUIVALENT BY ACORN, BRADLEY, OR SLOAN. FIXTURE DESCRIPTION: ADA COMPLIANT, WALL MOUNTED, TWO-STATION SOLID SURFACE (GREY GRANITE COLOR) LAVATORY SYSTEM 54.75"W x 22.25"D x 21.25"H, FACTORY ASSEMBLED FIXTURE TO INCLUDE: PRE-ASSEMBLED STAINLESS STEEL WATER DISTRIBUTION HEAD; WALL-MOUNTED, LOW PROFILE, STAINLESS STEEL SHROUD; INFRARED SENSORS WITH 120V PLUG-IN TRANSFORMER (GFI RECEPTACLE BY EC); GREY GRANITE SOLID SURFACE MOLDED ONE-PIECE BOWL WITH TWO DRAINS 22.5" APART CENTERED ON FIXTURE; THERMOSTATIC MIXING VALVES, DRAIN SPUDS, FLEXIBLE SUPPLY HOSES, AND CONTROL VALVES. CARRIER: FIXTURE MANUFACTURER'S WALL-MOUNT BACK PLATE SECURLY FASTENED TO EXISTING CMU WALL PER MANUFACTURER RECOMMENDATIONS. WASTE FITTINGS: ASME 112.15.2 STANDARD; GRID DRAIN WITH 1.5" STRAIGHT TAILPIECE; 1.5" CHROME PLATED 17 GAUGE TWO-PIECE P-TRAP AND SWIVEL ELBOW WITH TUBULAR WASTE TO WALL, COORDINATE 1.5" TRAP ADAPTOR ROUGH-IN WITH CHROME PLATED BRASS WALL FLANGE.	1/2"	1/2"	1 1/2"	1 1/2"	120/1			
WC1	STANDARD FLOOR-MOUNTED, BOTTOM OUTLET, TOP SPUD WATER CLOSET MANUFACTURERS: PROVIDE FIXTURE EQUIVALENT TO KOLHLER MODEL No.K-96053 OR APPROVED COMMERCIAL GRADE EQUIVALENT BY AMERICAN STANDARD, BRIGGS, CRANE, GERBER, MANSFIELD, TOTO, OR ZURN. BOWL- VITREOUS CHINA, SIPHON JET, FLUSHOMETER VALVE STYLE, 14.5" MINIMUM FLOOR TO RIM STANDARD HEIGHT, ELONGATED, 1.6 GPF, NPS-1 1/2" TOP SPUD, WHITE COLOR, AND BOTTOM OUTLET (10" OR 12" ROUGH-IN) ASTM A, 1045 BOWL-TO-DRAIN CONNECTION FITTING, INCLUDE ANSI Z124.5 ANTI-MICROBIAL COMMERCIAL ELONGATED WHITE TOILET SEAT WITHOUT COVER HAVING OPEN FRONT, SELF-SUSTAINING CHECK HINGE. SENSOR/SOLENOID-ACTUATOR, DIAPHRAGM FLUSHOMETER VALVE MANUFACTURERS: PROVIDE FLUSH VALVE EQUIVALENT TO SLOAN MODEL No.111-1.6 ES-S OR APPROVED EQUIVALENT BY COYNE & DELANY, TOTO, OR ZURN. VALVE: EXPOSED CHROME PLATED BRASS BODY; ASSE 1037, 125 PSIG MAX PRESSURE RATING; INTEGRAL CHECK STOP AND BACKFLOW-PREVENTION DEVICE; SOLENOID ACTUATOR COMPLYING WITH UL 1951 HAVING HARD-WIRE ELECTRONIC SENSOR; COURTESY FLUSH OVERRIDE BUTTON; 1.6 GPF; NPS 1" MINIMUM INLET CENTERED 11.5" ABOVE FIXTURE RIM; AND NPS 1 1/4" MINIMUM OUTLET, ALL EXPOSED COMPONENTS AND ESCUTCHEON TO BE CHROME PLATED. INCLUDE VALVE MANUFACTURER'S MULTI-FIXTURE 120VAC x 24VAC TRANSFORMER(S) TO QUANTITY REQUIRED, (SEE PLANS).	1"	N/A	4"	2"	120/1			
WC2	ADA FLOOR-MOUNTED, BOTTOM OUTLET, TOP SPUD WATER CLOSET MANUFACTURERS: PROVIDE FIXTURE EQUIVALENT TO KOLHLER MODEL No.96057-SS OR APPROVED COMMERCIAL GRADE EQUIVALENT BY AMERICAN STANDARD, BRIGGS, CRANE, GERBER, MANSFIELD, TOTO, OR ZURN. BOWL- VITREOUS CHINA, SIPHON JET, FLUSHOMETER VALVE STYLE, 17" MINIMUM FLOOR TO RIM ADA COMPLIANT HEIGHT, ELONGATED, 1.6 GPF, NPS-1 1/2" TOP SPUD, WHITE COLOR, AND BOTTOM OUTLET (10" OR 12" ROUGH-IN) ASTM A, 1045 BOWL-TO-DRAIN CONNECTION FITTING, INCLUDE ANSI Z124.5 ANTI-MICROBIAL COMMERCIAL ELONGATED WHITE TOILET SEAT WITHOUT COVER HAVING OPEN FRONT, SELF-SUSTAINING CHECK HINGE. SENSOR/SOLENOID-ACTUATOR, DIAPHRAGM FLUSHOMETER VALVE MANUFACTURERS: PROVIDE FLUSH VALVE EQUIVALENT TO SLOAN MODEL No.111-1.6 ES-S OR APPROVED EQUIVALENT BY COYNE & DELANY, TOTO, OR ZURN. VALVE: EXPOSED CHROME PLATED BRASS BODY; ASSE 1037, 125 PSIG MAX PRESSURE RATING; INTEGRAL CHECK STOP AND BACKFLOW-PREVENTION DEVICE; SOLENOID ACTUATOR COMPLYING WITH UL 1951 HAVING HARD-WIRE ELECTRONIC SENSOR; COURTESY FLUSH OVERRIDE BUTTON; 1.6 GPF; NPS 1" MINIMUM INLET CENTERED 11.5" ABOVE FIXTURE RIM; AND NPS 1 1/4" MINIMUM OUTLET, ALL EXPOSED COMPONENTS AND ESCUTCHEON TO BE CHROME PLATED. INCLUDE VALVE MANUFACTURER'S MULTI-FIXTURE 120VAC x 24VAC TRANSFORMER(S) TO QUANTITY REQUIRED, (SEE PLANS).	1"	N/A	4"	2"	120/1			
WC3 & 4	ADA & STANDARD WALL-MOUNTED, BACK OUTLET, CONCEALED INLET WATER CLOSET MANUFACTURERS: PROVIDE FIXTURE EQUIVALENT TO WILLOUGHBY MODEL No.ETWS-1490-CM-RPF OR APPROVED COMMERCIAL GRADE EQUIVALENT BY ACORN, OR BRADLEY. FIXTURE DESCRIPTION: ALL WELDED, WALL-HUNG, 14 GAUGE STAINLESS STEEL ELONGATED SIPHON JET WATER CLOSET WITH #3 SATIN FINISH. FIXTURE TO INCLUDE: ELONGATED TOILET BOWL WITH CONTOURED SEAT, INEGRAL CREVICE-FREE SELF-DRAINING FLUSHING RIM WITH POSITIVE AFTERFILL AND FULLY INCLOSED 3" O.D. TRAP HAVING MINIMUM 2" SEAL. CARRIER: UTILIZE EXISTING 4-BOLT CARRIERS SET AT STANDARD (WC3) AND ADA COMPLIANT (WC4) HEIGHT. PROVIDE NEW STAINLESS STEEL NUTS AND WASHERS. CONCEALED SENSOR FLUSHOMETER MANUFACTURERS: PROVIDE FLUSH VALVE EQUIVALENT TO SLOAN MODEL No.611 ES WB HARDWIRED 1.6-SSS-OR-HW OR APPROVED EQUIVALENT BY TOTO, OR ZURN. VALVE DESCRIPTION: CONCEALED 1.6 GPF DIAPHRAGM TYPE FLUSHOMETER HAVING: POLISHED CHROME FINISH; STAINLESS STEEL WALL PLATE; 1" SUPPLY AND 1 1/2" BACK SPUD COUPLING; SINGLE FLUSH, ELECTRIC OVERRIDE, HARDWIRED SOLENOID-OPERATED, FRONT ACCESSIBLE WALL BOX. COORDINATE INSTALLATION WITH SENSOR AND FIXTURE BEING REPLACED IN SAME LOCATION. NOTE: SUCCESSFUL BIDDER TO VERIFY FIXTURE COMPATIBILITY WITH EXISTING CARRIER AND ROUGH-IN PRIOR TO SUBMITTING FOR APPROVAL. NOTIFY A/E OF ANY CONFLICTS VIA RFI DURING CONSTRUCTION PHASE.	1"	N/A	4"	2"	120/1			
UR1 & 2	ADA & STANDARD WALL URINAL WITH CONCEALED SENSOR FLUSH VALVE MANUFACTURERS: PROVIDE ADA COMPLIANT FIXTURE EQUIVALENT TO WILLOUGHBY MODEL No.UW1317-HEU-FA, OR APPROVED COMMERCIAL GRADE EQUIVALENT BY ACORN, OR BRADLEY. FIXTURE: 12.625"W x 21.875"H x 16.5"D 16 GAUGE 304 STAINLESS STEEL FIXTURE WITH CONTOURED INTERIOR AND EXTERIOR SURFACES AND SATIN FINISH. FIXTURE SHALL INCLUDE: MACHINED STAINLESS STEEL FLUSH NOZZLE; BEEHIVE STRAINER; REMOVABLE P-TRAP WITH 1 1/2" FIP WASTE CONNECTION; REAR/CONCEALED 3/4" NPT MALE INLET CONNECTION SENSOR FLUSHOMETER - CONCEALED MANUFACTURERS: PROVIDE FLUSH VALVE EQUIVALENT TO SLOAN MODEL No.ROYAL 195 ESS HARDWIRED OR OR APPROVED EQUIVALENT BY TOTO, OR ZURN. VALVE DESCRIPTION: CONCEALED 0.5 GPF DIAPHRAGM TYPE FLUSHOMETER HAVING: POLISHED CHROME FINISH; POLISHED CHROME WALL PLATE; 3/4" SUPPLY AND 3/4" BACK SPUD COUPLING; ADJUSTABLE FLUSH CONNECTION OUTLET TUBE; ADJUSTABLE FLUSH CONNECTION VACUUM BREAKER; AND FRONT ACCESSIBLE WALL BOX. COORDINATE INSTALLATION WITH SENSOR AND FIXTURE BEING REPLACED IN SAME LOCATION. FIELD REVIEW INSTALLATION CONDITIONS PRIOR TO BID AND INCLUDE CARRIER/SUPPORT SYSTEM COMPATIBLE WITH ROUGH-IN CONDITIONS AVAILABLE.	3/4"	N/A	2"	2"	120/1			
SK1	SINK - ADA COMPLIANT 18 GAUGE STAINLESS STEEL TOP/COUNTER MOUNT 29 INCH x 22 INCH x 6.5 INCH DEEP, TWO BOWLS 11.5" x 16" x 6.375" EACH, CENTER DRAIN, UNDERCOATED AND FOUR HOLE DECK DRILLING 4 INCHES ON CENTERS WITH SPRAY HOLE ON RIGHT. ACCEPTABLE MANUFACTURERS: ELKAY (LRAD292265), JUST, OR APPROVED COMMERCIAL EQUIVALENT. SINK TRIM: CHROME PLATED BRASS KITCHEN FAUCET WITH L-TYPE 8" SWING SPOUT WITH 2.2 GPM AERATOR; CERAMIC CARTRIDGE; LEVER HANDLES, 1/2" SUPPLY INLETS 8-INCHES ON CENTER, SIDE SPRAY, BASKET STRAINER, ANGLE STOPS BY BRASSCRAFT OR MCGUIRE, 17 GAUGE 1 1/2 INCH O.D. TAILPIECE AND 17 GAUGE 1 1/2 INCH P-TRAP BY BRASSCRAFT, MCGUIRE, OR DEARBORN, AND 8 INCH LONG SWING SPOUT. ACCEPTABLE MANUFACTURERS: CHICAGO FAUCETS 11102-XXABCP), ZURN, T&S BRASS. VERIFY EQUIPMENT LOCATION AND ROUGH IN REQUIREMENTS.	1/2"	1/2"	1 1/2"			1 1/2" MIN. SEE PLANS		
EW1	ADA WATER COOLER WITH BOTTLE FILLER FIXTURE DESCRIPTION: BOTTEL FILLING STATION WITH INTEGRAL FOUNTAIN, REFRIGERATED FILTERED STAINLESS, CHILLING CAPACITY OF 8.0 GPF OF 50°F DRINKING WATER, BASED ON 80°F INLET WATER AND 90°F AMBIENT, PER ASHRAE 18 TESTING. FIXTURE TO HAVE: HANDS FREE VISUAL FILTER MONITOR, FILTER, LAMINAR FLOW ANTIMICROBIAL AND REAR DRAIN, FURNISH WITH FLEXIBLE SAFETY BUBBLERS, ELECTRONIC BOTTLE FILLER SENSOR (AND BOTTLE COUNTER) WITH MECHANICAL FRONT BUBBLER BUTTON ACTIVATION. FIXTURE SHALL BE WALL MOUNTED WITH NEW IN-WALL FRAME/PLATE SERVING 2 STATIONS AND BE ADA COMPLIANT. UNIT SHALL BE LEAD-FREE DESIGN CERTIFIED TO NSF/ANSI 61 AND 372. COOLING SYSTEM: HERMETICALLY SEALED, RECIPROCATING COMPRESSOR; FAN-COOLED CONDENSER; COMBINATION TUBE-TANK TYPE INSULATED COOLING UNIT; R-134a REFRIGERANT CONTROLLED BY CALIBRATED CAPILLARY TUBE, AND ADJUSTABLE THERMOSTAT FACTORY SET. COORDINATE WITH EC TO RE-UTILIZE 120V, 10 AMP POWER SOURCE FROM PREVIOUS COOLER. ACCEPTABLE MANUFACTURERS: ELKAY (LZW5-LRPM28X), HAWES, HALSEY TALOR, OASIS. WATER COOLER TRIM: 1/2"x3/8" WHEEL HANDLE STOP; 3/8" COPPER TUBE AND COMPRESSION FITTINGS; 1 1/2" 17-GAUGE CHROME PLATED BRASS P-TRAP AND TUBULAR WASTE. ACCESSORIES: PROVIDE WITH PRE-MANUFACTURED WALL CARRIER, OR MANUFACTURER SPECIFIC WALL CARRIER/FRAME. INCLUDE INITIAL FILTER ALONG WITH (2) REPLACEMENT FILTERS.	1/2"	N/A	1 1/2"			1 1/2" MIN. SEE PLANS	120V (PLUG IN)	6
HB1	RECESSED/CONCEALED HOSE BIBB SUPPLY BOX ASSEMBLY DESCRIPTION: 8"V x 8"V x 3 3/4"D HOSE BOX ASSEMBLY SHALL CONSIST OF ONE PIECE CAST CONSTRUCTION FABRICATED FROM STAINLESS STEEL WITH ANGLES FOR ANCHORING TO WALL; FRAME AND DOOR SHALL HAVE A RECESSED CAM LATCH OPERABLE WITH A LOOSE KEY. HOT AND COLD VALVE SHALL BE REPLACEABLE CARTRIDGE TYPE WITH VANDAL RESISTANT LOCKSHIELD BONNET, REMOVABLE LOOSE KEY WHEEL HANDLE AND SCREWDRIVER OPERATED STOP; 3/4" NPT FEMALE INLETS AND 3/4" MAIL HOSE THREAD OUTLET AND ASSE 1011 VACUUM BREAKER. MANUFACTURERS: HOSE SUPPLY BOX ASSEMBLY SHALL BE ACORN MODEL No.8109-SSLF OR APPROVED COMMERCIAL EQUIVALENT.	3/4"	3/4"	N/A	N/A				

DRAIN SCHEDULE		
PLAN MARK	MAKE/MODEL	DESCRIPTION REMARKS
FD1	WADE 1100-G J.R. SMITH ZURN	CAST IRON FLOOR DRAIN BODY WITH ANCHOR FLANGE, SEEPAGE OPENINGS, REVERSIBLE CLAMPING COLLAR, ADJUSTABLE 5" SQUARE NICKEL BRONZE TOP, SECURED PERFORATED GRATE, 1/2" TRAP PRIMER TAP, AND NO HUB BOTTOM OUTLET (CONFIRM SIZE AT EXISTING LOCATION PRIOR TO ORDER).

CLEANOUT SCHEDULE			
PLAN MARK	MAKE/MODEL	LOCATION	REMARKS
FCO1	WADE 6000.1 J.R. SMITH JOSAM ZURN	RESTROOMS	ADJUSTABLE FLOOR CLEANOUT, CAST IRON BODY, WITH WATERTIGHT ABS TAPERED THREAD PLUG, AND SQUARE POLISHED NICKEL BRONZE SCORIATED VANDAL PROOF SECURED TOP, ADJUSTABLE TO FINISH FLOOR.
WCO1	ZURN Z1468 WADE J.R. SMITH	FINISHED ROOMS	ROUND STAINLESS STEEL WALL ACCESS COVER COMPLETE WITH SECURING SCREW AND BROZE RAISED HEX HEAD PLUG COMPATIBLE WITH THREADED FEMALE COUPLING. EXCEPTION: THREADED PVC PLUG MAY BE UTILIZED WHERE CLEANOUT IS LOCATED ON RISER EXPOSED TO SITE.

THERMOSTATIC MIXING VALVE SCHEDULE							
PLAN MARK	MANUFACTURER	MODEL	GPM	INLET	OUTLET	MOUNTING	REMARKS
TMV1	WATTS	LFMMV	0.25 - 2.25	3/8"	1/2"-1"	WALL (CONCEALED)	(LEAD FREE) HIGH TEMP MIXING VALVE. PROVIDE WITH UNION ENDS, INLET CHECK VALVES, SET TO 110 F DEGREES, ASSE1070
NOTE: NO SUBSTITUTIONS. PROVIDE ONE FOR EACH LAVATORY LOCATION AND COORDINATE FINAL INSTALLATION WITH SOAP DISPENSER AND FAUCET CONTROLLER TRIM.							

WATER FILTER SCHEDULE									
PLAN MARK	MANUFACTURER	MODEL	TYPE	LOCATION	SERVICE	CONN. SIZE (IN.)	FLOW (GPM)	SINGLE OR MULTI-CARTRIDGE	PHYSICAL DATA
									W (IN.) D (IN.) H (IN.) WT. (LB.)
WFL1	EVERPURE	EV9330-42	IN-LINE	SEE PLANS	WATER/ICE	3/4"	3.34	MULTI	28.5 6.74 25.29
NOTES: 1. COMMERCIAL GRADE FILTER HEAD WALL-MOUNT ASSEMBLY INCLUDING: MOUNTING BOX BRACKET; BUILT-IN WATER INLET AND FLUSHING VALVE; BUILT-IN WATER GAUGES; AND NSF TESTED WETTED PARTS. FILTERS ARRANGED WITH PREFILTER AT INLET, TWO MC TASTE/ODOR FILTERS, AND POST SR-X SCALE INHIBITING FILTER. PC TO INSTALL AND FLUSH AT START-UP PER MANUFACTURER'S RECOMMENDATIONS. INCLUDE (4) EXTRA FILTER CARTRIDGES FOR EACH OF THE FOLLOWING: EVERPURE No.EV9334-26 PREFILTER, No.EV9612-56 0.20 MICRON MC SERIES TASTE/ODOR FILTER, AND EV9795-32 SCALE/ICE FILTER. INSTALL FILTER ASSEMBLY UP UNDER BACK OF COUNTER AND BEHIND ICE MAKER AT ELEVATION TO ALLOW FOR CARTRIDGE CHANGE OUT.									



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PLUMBING SCHEDULES

SHEET NUMBER:

P6.1

PROJECT NO.: 0180459.04

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MECHANICAL SYMBOLS & ABBREVIATIONS

NOTE: NOT ALL MAY BE USED ON THIS PROJECT

ANNOTATION ABBREVIATIONS

AC	ABOVE CEILING/AIR CONDITIONER	GRH	GAS RADIANT HEATER
ACC	AIR COOLED CONDENSER	GS	GLYCOL SUPPLY
AF	AIR FILTER	GUH	GAS UNIT HEATER
AFF	ABOVE FINISHED FLOOR	HU	HUMIDIFIER
AHU	AIR HANDLING UNIT	HC	HEATING COIL
AL	ALUMINUM	HCWR	DUAL TEMPERATURE RETURN
AMS	AIR MEASURING STATION	HCWS	DUAL TEMPERATURE SUPPLY
AS	AIR SEPARATOR	HP	HEAT PUMP
AV	AUTOMATIC AIR VENT	HPR	HIGH PRESSURE STEAM RETURN
B	BOILER	HPS	HIGH PRESSURE STEAM SUPPLY
BAS	BUILDING AUTOMATION SYSTEM	HRC	HEAT RECOVERY COIL
BDD	BACKDRAFT DAMPER	HRV	HEAT RECOVERY VENTILATOR (SENSIBLE)
BFC	BELOW FINISHED CEILING	HS	HUMIDITY SENSOR
BFP	BACKFLOW PREVENTION DEVICE	HWP	HOT WATER PUMP
BJ	BETWEEN JOISTS	HWR	HOT WATER RETURN
BOD	BOTTOM OF DUCT	HWS	HOT WATER SUPPLY
BOP	BOTTOM OF PIPE	HX	HEAT EXCHANGER
BTUH	BRITISH THERMAL UNITS PER HOUR	ISP	INTERNAL STATIC PRESSURE
CA	COMPRESSED AIR	KH	KITCHEN HOOD - COMMERCIAL
CBS	COUNTER BALANCED SHUTTER	L	LOUVER
CC	COOLING COIL	LPR	LOW PRESSURE STEAM RETURN
CF	CEILING / CIRCULATING FAN	LPS	LOW PRESSURE STEAM SUPPLY
CFM	CUBIC FEET PER MINUTE	MA	MIXED AIR
CH	CHILLER	MAU	MAKEUP AIR UNIT
CHP	CHILLED WATER PUMP	MBH	THOUSANDS OF BTU PER HOUR
CHR	CHILLED WATER RETURN	MC	MECHANICAL CONTRACTOR
CHS	CHILLED WATER SUPPLY	MD	MOTORIZED DAMPER
CNV	CONVECTOR	MS	MOTORIZED SHUTTER
COND	CONDENSATE	NTS	NOT TO SCALE
CP	CONDENSATE PUMP	OA	OUTDOOR AIR
CRAC	COMPUTER ROOM AIR CONDITIONER	OBD	OPPOSED BLADE DAMPER
CT	COOLING TOWER	P	PUMP
CU	CONDENSING UNIT	PC	PLUMBING CONTRACTOR
CUH	CABINET UNIT HEATER	PBD	PARALLEL BLADE DAMPER
CV	CONTROL VALVE	PDH	POOL ROOM DEHUMIDIFIER
CW	DOMESTIC COLD WATER	PRV	PRESSURE RELIEF VALVE
CWP	CONDENSER WATER PUMP	PS	PRESSURE SWITCH
CWR	CONDENSER WATER RETURN	PSI	POUNDS PER SQUARE INCH
CWS	CONDENSER WATER SUPPLY	PTAC	PACKAGED TERMINAL AIR CONDITIONER
DAC	DOOR AIR CURTAIN	RA	RETURN AIR
DC	DRY COOLER	RF	RETURN AIR FAN
DH	DEHUMIDIFIER	RG	RETURN GRILLE (LESS DAMPER)
DN	DOWN	RH	ROOF HOOD
DOAS	DEDICATED OUTDOOR AIR SYSTEM	RHC	REHEAT COIL
DP	DIFFERENTIAL PRESSURE	RLFA	RELIEF AIR
DS	DUCT SILENCER	RP	RADIANT PANEL
DSU	DUCTLESS SPLIT UNIT	RPZ	REDUCED PRESSURE BFP
DX	DX COOLING COIL	RR	RETURN REGISTER (WITH DAMPER)
EA	EXHAUST AIR	RTU	ROOFTOP AIR HANDLING UNIT
EBB	ELECTRIC BASEBOARD HEATER	SA	SUPPLY AIR
EC	ELECTRICAL CONTRACTOR	SAS	SELF-ACTING SHUTTER
EF	EXHAUST FAN	SD	SUPPLY DIFFUSER/SMOKE DAMPER
EG	EXHAUST GRILLE (LESS DAMPER)	SF	SUPPLY FAN / SQUARE FOOT
EHC	ELECTRIC HEATING COIL	SFD	SMOKE/FIRE DAMPER
EL	ELEVATION	SG	SUPPLY GRILLE
ER	EXHAUST REGISTER	SR	SUPPLY REGISTER
ERP	ELECTRIC RADIANT PANEL	TCAC	TEMP. CONTROL AIR COMPRESSOR
ERV	ENERGY RECOVERY VENTILATOR	TCAD	TEMP. CONTROL AIR DRYER
ESP	EXTERNAL STATIC PRESSURE	TDV	TRIPLE DUTY VALVE
ET	EXPANSION TANK	TFA	TO FLOOR ABOVE
EUH	ELECTRIC UNIT HEATER	TFB	TO FLOOR BELOW
FA	FRESH AIR	TJ	THROUGH JOISTS
FCU	FAN COIL UNIT	TOD	TOP OF DUCT
FD	FIRE DAMPER	TOP	TOP OF PIPE
FDC	FLEXIBLE DUCT CONNECTION	TSP	TOTAL STATIC PRESSURE
FFA	FROM FLOOR ABOVE	UC	UNIT COOLER
FFB	FROM FLOOR BELOW	UFD	UNDERFLOOR DUCT
FPC	FLEXIBLE PIPE CONNECTION	UFT	UNDERFLOOR FAN TERMINAL
FPT	FAN POWERED AIR TERMINAL	UH	UNIT HEATER
FT	FINNED TUBE RADIATION	UV	UNIT VENTILATOR
GC	GENERAL CONTRACTOR	VAV	VARIABLE AIR VOLUME TERMINAL
GF	GAS FURNACE	VD	VOLUME DAMPER
GIH	GRAVITY INTAKE HOOD	VFD	VARIABLE FREQUENCY DRIVE
GPM	GALLONS PER MINUTE	VRP	VERTICAL RADIANT PANEL
GR	GLYCOL RETURN	WAC	WINDOW / WALL AIR CONDITIONER

HYDRONIC SYMBOLOGY

	3-WAY CONTROL VALVE
	ANGLE GATE VALVE
	ANGLE GLOBE VALVE
	BALANCING/SHUTOFF VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CALIBRATED BALANCING VALVE
	CHECK VALVE
	CONTROL VALVE
	EXPANSION VALVE
	GAS COCK
	GATE VALVE
	GLOBE VALVE
	PLUG VALVE
	PRESSURE REDUCING VALVE (WATER)
	PRESSURE REGULATOR (GAS)
	QUICK OPEN VALVE
	SAFETY RELIEF VALVE
	SOLENOID VALVE
	VACUUM RELIEF VALVE
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	FLOW SENSOR/SWITCH
	PRESSURE SENSOR/SWITCH
	TEMPERATURE SENSOR/SWITCH
	PRESSURE GAUGE
	THERMOMETER
	PIPE SLOPE ARROW
	PIPE ANCHOR
	PIPE GUIDES
	PIPE EXPANSION JOINT
	FLEXIBLE PIPE CONNECTOR
	PIPE UNION
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	WYE STRAINER
	WYE STRAINER W/DRAIN VALVE
	DIRECTION OF FLOW
	STEAM BUCKET TRAP
	STEAM F&T TRAP
	BACKFLOW PREVENTER
	PRESSURE/TEMPERATURE PLUG
	PUMP
	METER
	PIPE TURNING UP
	PIPE TURNING DOWN
	TEE OFF TOP
	TEE OFF BOTTOM
	PIPE TEE
	PIPE CAP
	PLAN 90 DEGREE ELBOW
	PLAN 45 DEGREE ELBOW
	PIPING SYSTEM (SOLID LINE)
	PIPING SYSTEM (DASHED LINE)
CHR	CHILLED WATER RETURN
CWR	CONDENSER WATER RETURN
HCWR	DUAL TEMPERATURE RETURN
HPR	HIGH PRESSURE STEAM RETURN
HRS	HEAT RECOVERY RETURN
HTWR	HOT WATER RETURN
HWR	HOT WATER RETURN
LPR	LOW PRESSURE STEAM RETURN
LS	LOOP SUPPLY
MPD	MEDIUM PRESSURE STEAM PUMP DISCHARGE
RHG	REFRIGERANT HOT GAS
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION

VENTILATION SYMBOLOGY

	EQUIPMENT TO BE CONTROLLED
	THERMOSTAT
	LOCKABLE GUARD WHERE INDICATED
	TEMP HUMID CO2 SENSOR ELEMENT TO BE MONITORED
	HUMIDISTAT
	WALL SWITCH
	TRANSFER AIR
	RECTANGULAR DUCT
	ROUND DUCT
	FLAT OVAL DUCT
	SUPPLY DIFFUSER/REGISTER
	RETURN REGISTER/GRILLE
	EXHAUST REGISTER/GRILLE
	DIFFUSER AIRFLOW PATTERN IF OTHER THAN 4-WAY BLOW
	FLEXIBLE BRANCH RUNOUT TO SUPPLY DIFFUSER, 36" MAX LENGTH
	CEILING RETURN REGISTER WITH LINED DUCT FOR SOUND ATTENUATION OPEN TO CEILING PLENUM
	FLEXIBLE DUCT CONNECTION TO EQUIPMENT OR BETWEEN DUCTS
	VOLUME DAMPER
	MOTORIZED DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	COMBINATION FIRE/SMOKE DAMPER
	SUPPLY AIR DUCT TOWARDS
	SUPPLY AIR DUCT AWAY
	RETURN/OUTDOOR AIR DUCT TOWARDS
	RETURN/OUTDOOR AIR DUCT AWAY
	EXHAUST AIR DUCT TOWARDS
	EXHAUST AIR DUCT AWAY

ANNOTATION SYMBOLOGY

	EQUIPMENT TYPE
	MECHANICAL EQUIPMENT TAG
	EQUIPMENT MARK
	THROAT SIZE
	AIR TERMINAL DESIGNATION
	AIRFLOW IN CFM
	DETAIL MODULE NUMBER
	DETAIL OR SECTION MARK
	SHOWN ON DRAWING
	KEYNOTE
	POINT OF NEW CONNECTION
	CAP EXISTING PIPE OR DUCT
	BOLD TEXT INDICATES PROPOSED ITEM
	ITALIC TEXT INDICATES EXISTING ITEM

MECHANICAL GENERAL NOTES

COMMON REQUIREMENTS

- A. THIS FACILITY HAS BEEN DESIGNATED A "SMOKE-FREE" ENVIRONMENT. NO MECHANICAL VENTILATION PROVISIONS HAVE BEEN MADE TO ACCOMMODATE TOBACCO USAGE BY THE BUILDING OCCUPANTS
- B. ALL MECHANICAL SYSTEMS SHALL BE INSTALLED TO THE SATISFACTION OF THE LOCAL CODE AUTHORITIES HAVING JURISDICTION

MECHANICAL EQUIPMENT INSTALLATION

- A. INSTALL EQUIPMENT TO ALLOW MAXIMUM POSSIBLE HEADROOM UNLESS SPECIFIC MOUNTING HEIGHTS ARE INDICATED
- B. INSTALL EQUIPMENT LEVEL AND PLUMB, PARALLEL AND PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS IN EXPOSED INTERIOR SPACES, UNLESS OTHERWISE INDICATED
- C. INSTALL HVAC EQUIPMENT TO FACILITATE SERVICE, MAINTENANCE, AND REPAIR OR REPLACEMENT OF COMPONENTS. CONNECT EQUIPMENT FOR EASE OF REMOVAL, WITH MINIMUM INTERFERENCE TO OTHER INSTALLATIONS
- D. AIR FILTERS SHALL BE REPLACED IN ALL AIR HANDLING EQUIPMENT EMPLOYING SUCH PRIOR TO FINAL COMPLETION AND OWNER OCCUPANCY
- E. THE INSTALLING CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ALL MECHANICAL EQUIPMENT PUT INTO OPERATION PRIOR TO THE INSTALLATION OF A WORKING CONTROL SYSTEM, TESTING, AND BALANCING, AND SUBSTANTIAL COMPLETION. ALL RETURN AND EXHAUST DUCT OPENINGS SHALL BE COVERED WITH ROLL TYPE FILTER MEDIA DURING SUCH TEMPORARY OPERATION. OPERATION OF THE MECHANICAL EQUIPMENT PRIOR TO FINAL COMPLETION SHALL NOT IMPACT THE EQUIPMENT WARRANTY. MINIMUM 1-YEAR FROM SUBSTANTIAL COMPLETION UNLESS SPECIFIED OTHERWISE
- F. PROVIDE FLEXIBLE DUCT CONNECTION BETWEEN MOTOR DRIVEN MECHANICAL UNITS AND SHEET METAL SUPPLY, OUTDOOR AIR, EXHAUST, AND/OR RETURN AIR DUCTWORK CONNECTIONS
- G. BASIS OF DESIGN MECHANICAL EQUIPMENT IS AS SCHEDULED ON THE DRAWINGS. INSTALLING CONTRACTOR ASSUMES RESPONSIBILITY FOR COORDINATING PHYSICAL SPACE REQUIREMENTS OF EQUIVALENT CAPACITY MECHANICAL EQUIPMENT DEEMED ACCEPTABLE BY THE ENGINEER
- H. MECHANICAL EQUIPMENT FACTORY FINISH DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION PRIOR TO FINAL ACCEPTANCE

DUCTWORK REQUIREMENTS

- A. DUCTWORK IS SHOWN IN SCHEMATIC FORM. ALL REQUIRED DUCT RISERS AND DROPS TO ALLOW GENERAL ROUTING DEPICTED MAY NOT BE SHOWN. PROVIDE OFFSETS AS REQUIRED TO MEET SPACE REQUIREMENTS AND TO AVOID INTERFERENCE WITH OTHER TRADES AND FIELD CONDITIONS. EXACT LOCATION OF THE DUCTWORK MAY VARY ACCORDING TO THE COORDINATED SPACE REQUIREMENTS. EACH TRADE SHALL BE TOTALLY RESPONSIBLE FOR COORDINATION WITH OTHER TRADES. NOTIFY ENGINEER OF CONDITIONS REPRESENTING SIGNIFICANT CHANGES TO THE DESIGNED ROUTING
- B. COMPLY WITH NFPA 90A, "INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS," UNLESS OTHERWISE INDICATED
- C. FABRICATE RECTANGULAR DUCTS, ELBOWS, TRANSITIONS, OFFSETS, BRANCH CONNECTIONS, AND OTHER CONSTRUCTION WITH GALVANIZED SHEET STEEL, ACCORDING TO SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE," COMPLY WITH REQUIREMENTS FOR METAL THICKNESS, REINFORCING TYPES AND INTERVALS, TIE-ROD APPLICATIONS, AND JOINT TYPES AND INTERVALS
- D. COORDINATE SIZE, QUANTITY, AND LOCATION OF ALL OPENINGS REQUIRED FOR DUCT AND PIPE PENETRATIONS THROUGH WALLS, FLOORS, AND ROOFS, WITH CONTRACTOR RESPONSIBLE FOR ROUGH FRAMING. COORDINATE LOCATION OF AIR INTAKES WITH EXHAUST AND PLUMBING VENTS SO THAT INTAKES ARE A MINIMUM OF 10 FEET FROM EXHAUST OPENINGS OR PLUMBING VENTS
- E. INSTALL DUCTS IN LONGEST LENGTH POSSIBLE AND FEWEST POSSIBLE JOINTS. INSTALL FABRICATED FITTINGS FOR CHANGES IN DIRECTIONS, CHANGES IN SIZE AND SHAPE, AND CONNECTIONS
- F. INSTALL DUCTS, UNLESS OTHERWISE INDICATED, VERTICALLY AND HORIZONTALLY, PARALLEL AND PERPENDICULAR TO BUILDING LINES; AVOID DIAGONAL RUNS UNLESS SPECIFICALLY INDICATED ON DRAWINGS
- G. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED DEVICES. COORDINATE MECHANICAL CEILING DEVICES SUCH AS DIFFUSERS AND REGISTERS WITH LIGHT FIXTURES, SPEAKERS, SPRINKLER HEADS, ETC.
- H. ELECTRICAL EQUIPMENT SPACES: ROUTE DUCTWORK TO AVOID PASSING THROUGH TRANSFORMER VAULTS AND ELECTRICAL EQUIPMENT SPACES AND ENCLOSURES. AVOID ROUTING DUCTWORK DIRECTLY ABOVE ELECTRICAL EQUIPMENT UNLESS SPECIFICALLY INDICATED ON THE MECHANICAL DRAWINGS
- I. NON-FIRE-RATED PARTITION PENETRATIONS: WHERE DUCTS PASS THROUGH INTERIOR PARTITIONS AND ARE EXPOSED TO VIEW IN MECHANICAL ROOMS, CONCEAL SPACE BETWEEN CONSTRUCTION OPENING AND DUCT OR DUCT INSULATION WITH SHEET METAL FLANGES OF SAME METAL THICKNESS AS DUCT. OVERLAP OPENING ON FOUR SIDES BY AT LEAST 1-1/2 INCHES UNLESS INDICATED OTHERWISE
- J. FIRE-RATED PARTITION PENETRATIONS: WHERE DUCTS PASS THROUGH INTERIOR PARTITIONS, INSTALL APPROPRIATELY RATED FIRE DAMPER. FIRE DAMPER INSTALLATION MUST STRICTLY ADHERE TO MANUFACTURER'S WRITTEN INSTRUCTIONS
- K. PROVIDE MANUAL VOLUME-CONTROL BALANCING DAMPER AT ALL BRANCH DUCTS AND AT ALL OTHER LOCATIONS REQUIRED FOR A COMPLETE AND BALANCEABLE AIR DISTRIBUTION SYSTEM
- L. BALANCE ENTIRE AIR DISTRIBUTION SYSTEM TO AIRFLOW QUANTITIES INDICATED ON MECHANICAL DRAWINGS
- M. FLEXIBLE DUCTWORK SHALL BE ALLOWED ONLY IN POSITIVE PRESSURE APPLICATIONS AT SUPPLY BRANCH RUNOUTS TO DIFFUSERS ABOVE ACCESSIBLE CEILINGS. FLEXIBLE DUCTWORK SHALL NOT EXCEED 36" IN LENGTH. 90 DEGREE TURNS SHALL ONLY BE ALLOWED IF RETAINING BANDS EQUAL TO THERMAFLEX "FLEX-FLOW" ARE EMPLOYED. UNDER NO CIRCUMSTANCES SHALL FLEXIBLE DUCTWORK BE ALLOWED IN NEGATIVE PRESSURE APPLICATIONS

DEMOLITION

- A. VERIFY EXACT SIZE AND LOCATION OF EXISTING UTILITIES PRIOR TO START OF DEMOLITION WORK
- B. RELOCATE, REMOVE, AND ADJUST ALL MECHANICAL AND ELECTRICAL ITEMS AS REQUIRED TO ACCOMPLISH SCOPE OF NEW WORK
- C. EXISTING MECHANICAL ITEMS ARE SHOWN IN SCHEMATIC FORM BASED UPON EXISTING CONSTRUCTION DOCUMENTS AND/OR FIELD INVESTIGATION
- D. REMOVE EXISTING DUCTWORK BACK TO LAST ACTIVE SERVICE AND CAP
- E. ---- INDICATES REQUIRED DEMOLITION OF DUCTWORK AND EQUIPMENT.
- F. FIXTURES AND EQUIPMENT INDICATED TO BE REUSED OR SALVAGED SHALL REMAIN THE PROPERTY OF THE OWNER AND BE STORED IN A LOCATION AS DIRECTED BY OWNER'S REPRESENTATIVE
- G. IN LOCATIONS WHERE EXISTING CONSTRUCTION IS REMOVED AND NO ADDITIONAL CONSTRUCTION IS INDICATED, PATCH EXISTING CONSTRUCTION TO MATCH ADJACENT SURFACES AND FINISHES
- H. CONNECTIONS TO, AND SHUTDOWNS OF, EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE TO ALLOW MINIMUM INTERFERENCE WITH OWNER'S OPERATION AND DOWNTIME OF EXISTING UTILITIES. CONTRACTOR SHALL SUBMIT TO OWNER FOR REVIEW AND APPROVAL THE PROPOSED PHASING PLAN FOR CONNECTING NEW SERVICES TO EXISTING

DESIGN CONDITIONS

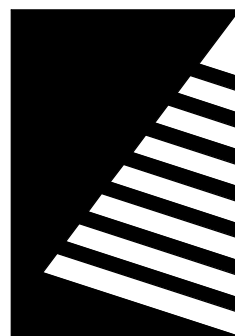
HVAC DESIGN LOAD CALCULATIONS ARE BASED ON THE FOLLOWING CLIMATE DATA:

CITY AND STATE: PEORIA, IL

WINTER OUTDOOR AMBIENT DB: -6

SUMMER OUTDOOR AMBIENT DBWB: 92/76

MECHANICAL SYSTEMS HAVE BEEN DESIGNED BASED UPON THE 2015 INTERNATIONAL MECHANICAL CODE, 2015 INTERNATIONAL ENERGY CONSERVATION CODE, NATIONAL FIRE PROTECTION (NFPA) STANDARDS, AND ACCEPTED AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR-CONDITIONING ENGINEERS (ASHRAE) ACCEPTED STANDARDS AND PRACTICES



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PROJECT:

Greater Peoria Mass Transit District

CityLink Transit
Center Renovation

407 SW ADAMS STREET
PEORIA, IL 61602

DATE: 05/28/19

DESIGNED: VUJ

DRAWN: VLD

REVIEWED: -

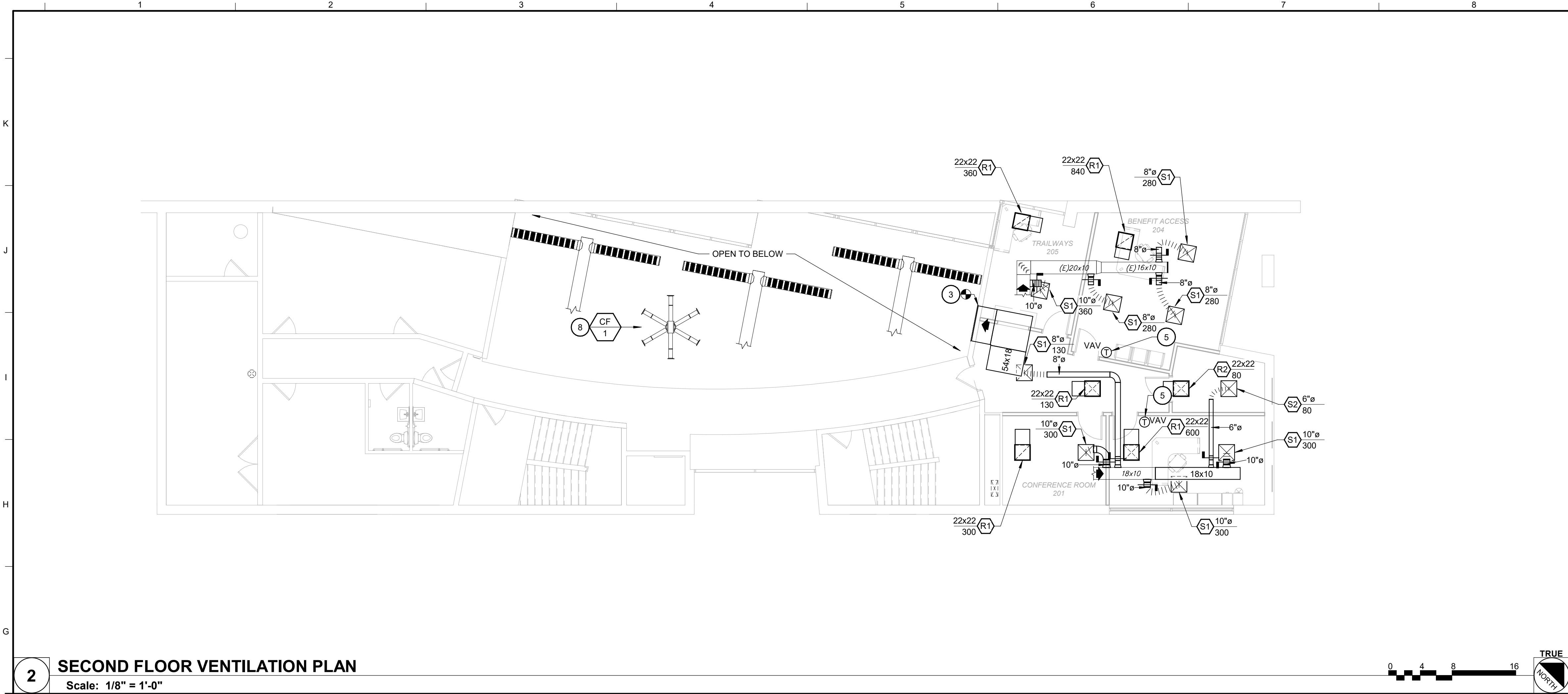
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MECHANICAL
GENERAL
INFORMATION

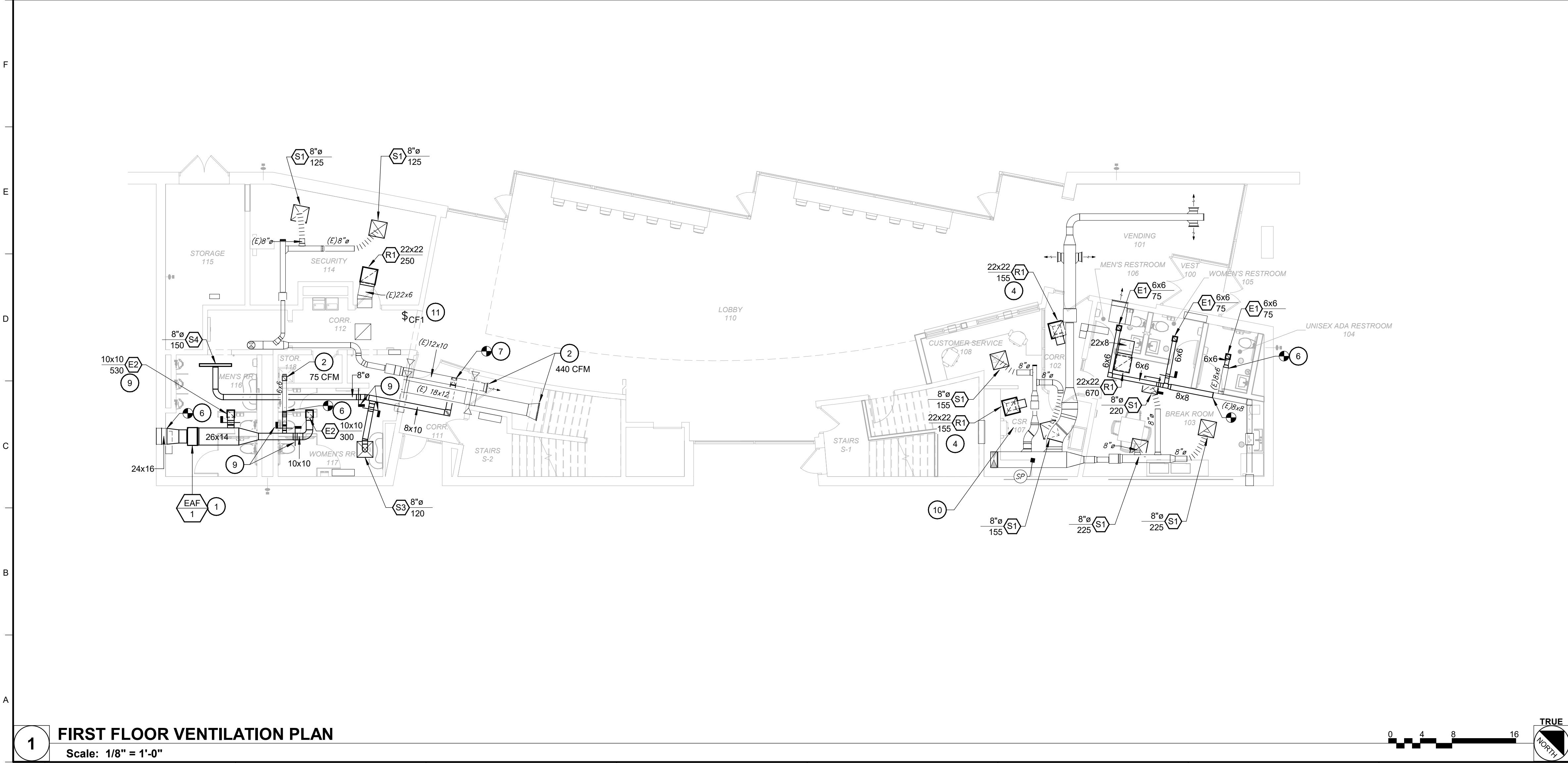
SHEET NUMBER

M0.1

PROJECT NO.: 0180459.04



2 SECOND FLOOR VENTILATION PLAN
Scale: 1/8" = 1'-0"



1 FIRST FLOOR VENTILATION PLAN
Scale: 1/8" = 1'-0"

KEYNOTES #

1

INSTALL NEW EXHAUST FAN

2

BALANCE AIR DEVICE TO AMOUNT SHOWN ON PLANS.

3

CONNECT NEW 54X18 TRANSFER DUCT TO EXISTING TRANSFER GRILLE.

4

RETURN GRILLE TO RETURN AIR PLENUM.

5

INSTALL NEW THERMOSTAT ON WALL. INSTALL WIRING TO EXISTING VAV BOX.

6

CONNECT NEW EXHAUST DUCTWORK TO EXISTING EXHAUST DUCTWORK.

7

TAP NEW BRANCH DUCTWORK FROM EXISTING DUCTWORK.

8

COORDINATE MOUNTING LOCATION AND HEIGHT TO PROVIDE MANUFACTURER RECOMMENDED CLEARANCES.

9

PROVIDE REMOTE CABLE OPERATORS FOR MANUAL VOLUME DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS. LOCATE REMOTE OPERATORS AT NEAREST ACCESS PANEL OR ACCESSIBLE AREA NOT OPEN TO THE PUBLIC.

10

RETURN AIR FROM THIS ROOM TRAVELS THROUGH THE PLENUM TO THE EXISTING TRANSFER DUCTWORK ABOVE MENS RESTROOM.

11

PROVIDE LABEL FOR CEILING FAN WALL SWITCH. WHITE LETTERING, BLACK BACKGROUND.

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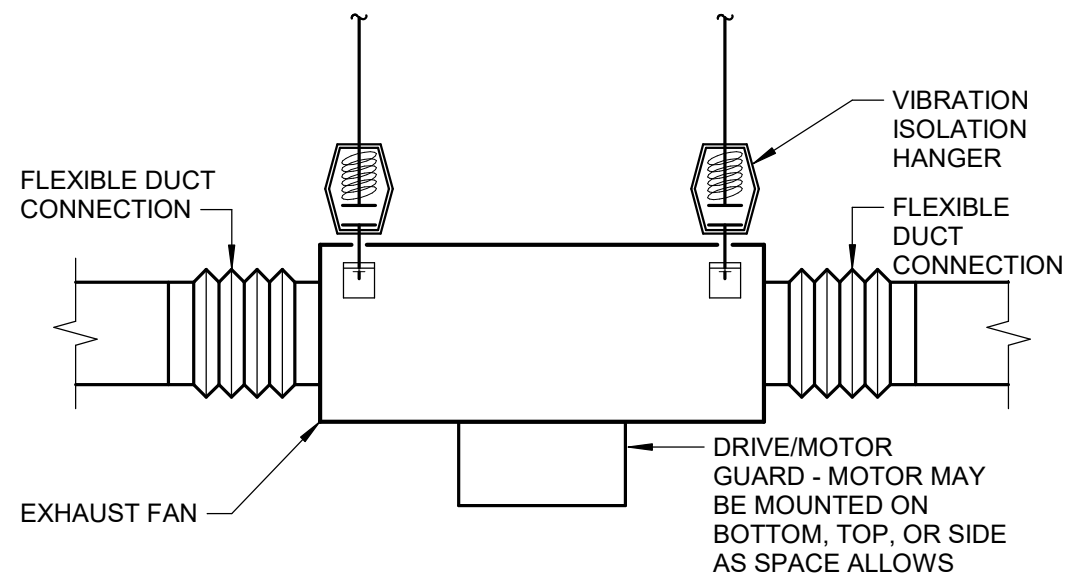
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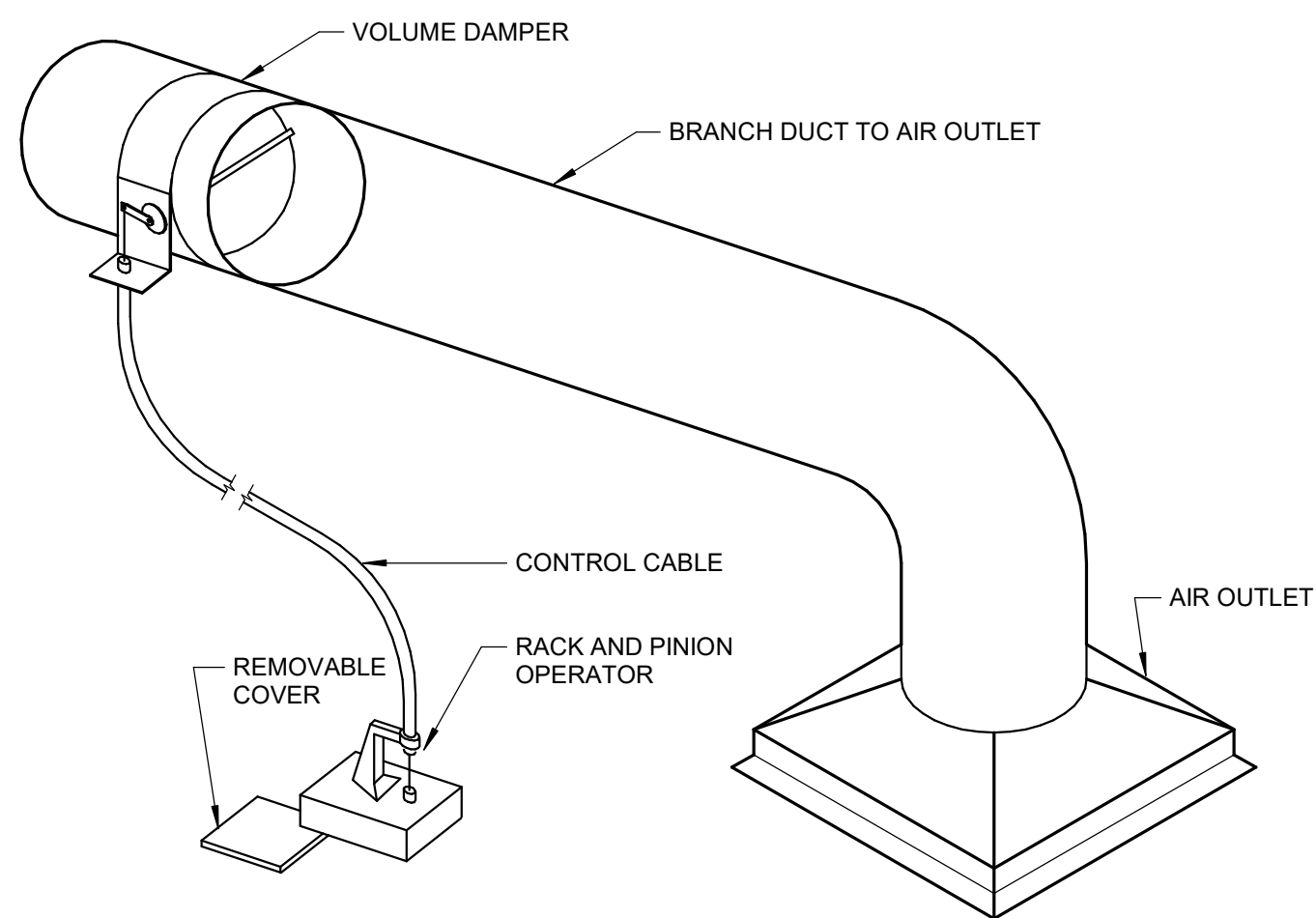
SHEET TITLE:
VENTILATION PLANS

SHEET NUMBER:
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PROJECT NO.: 0180459.04



8 INLINE EXHAUST FAN

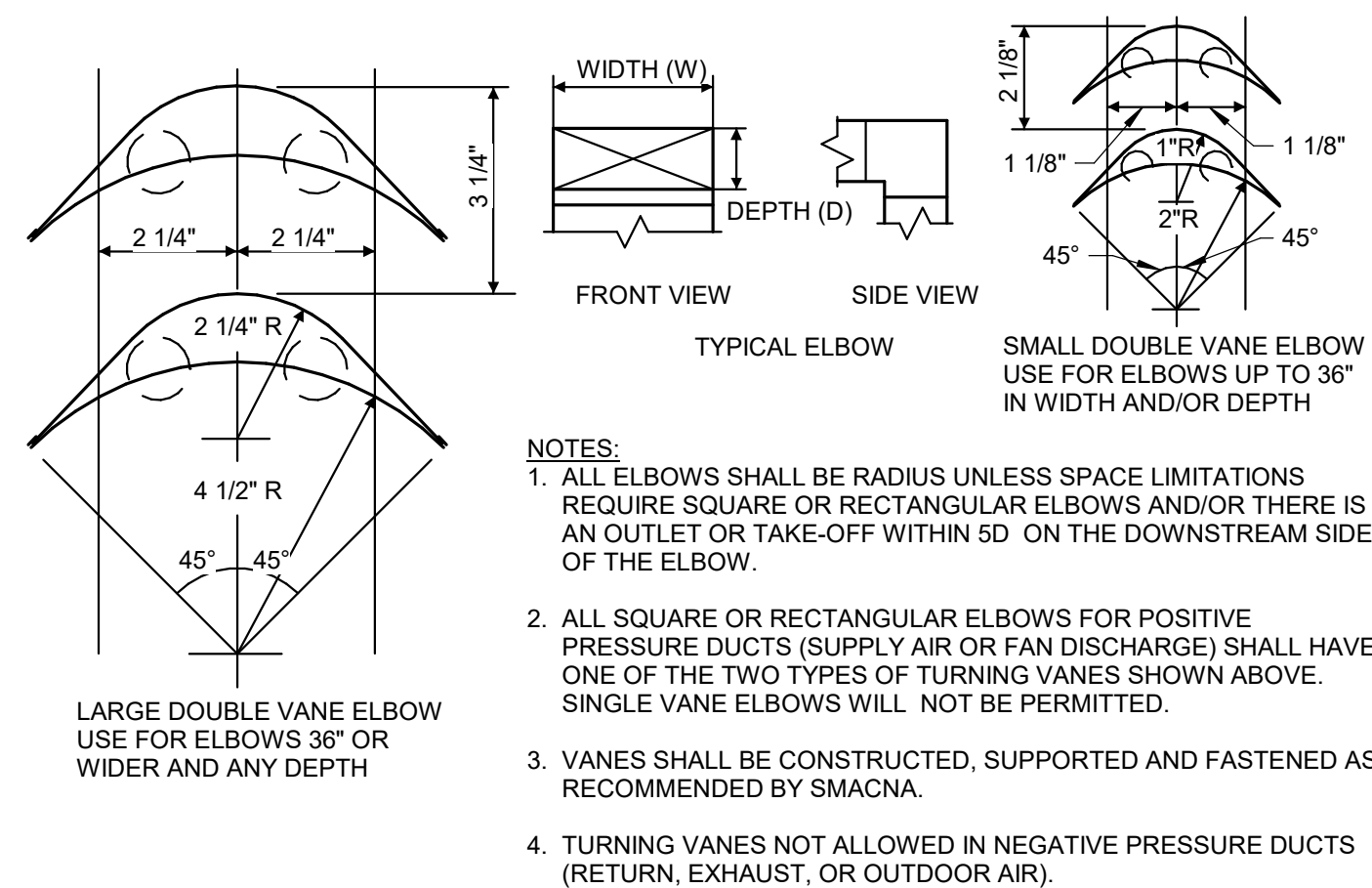
Scale: No Scale



NOTE:
PROVIDE THIS FOR ALL VOLUME BALANCING DAMPERS THAT ARE NOT ACCESSIBLE THROUGH ACCESSIBLE CEILING OR THROUGH CEILING ACCESS PANEL.

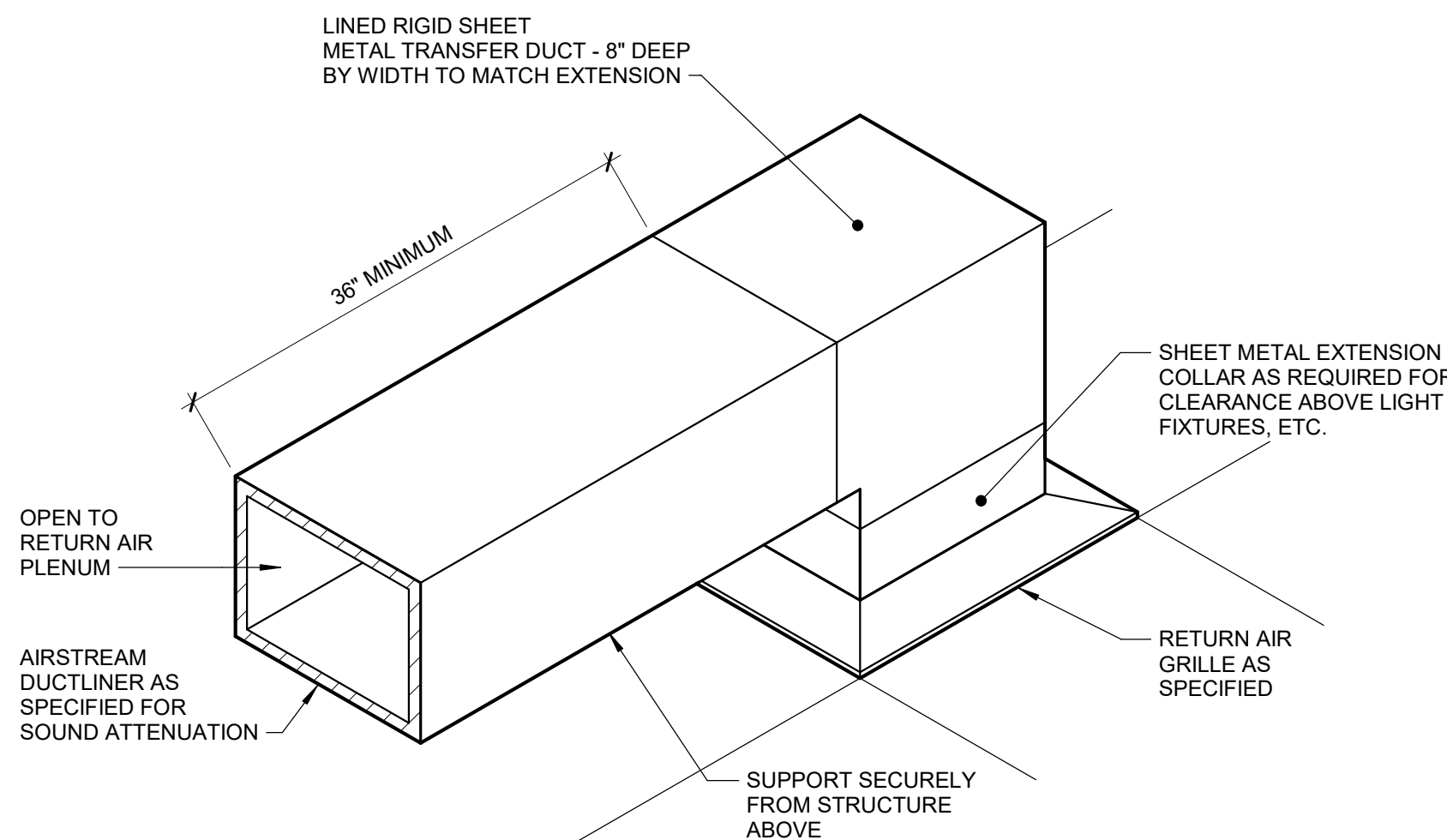
7 REMOTE DAMPER CONTROL SYSTEM

Scale: No Scale



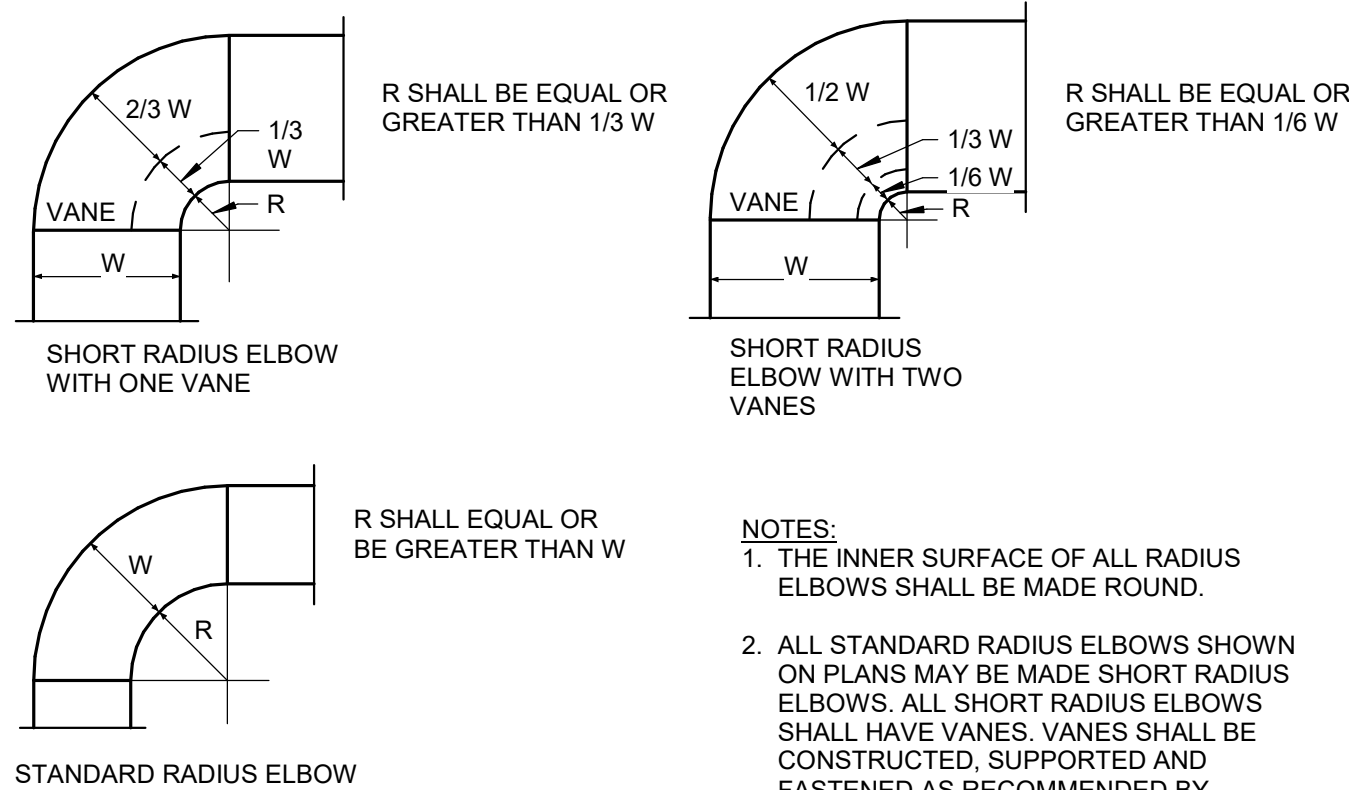
6 TURNING VANES

Scale: No Scale



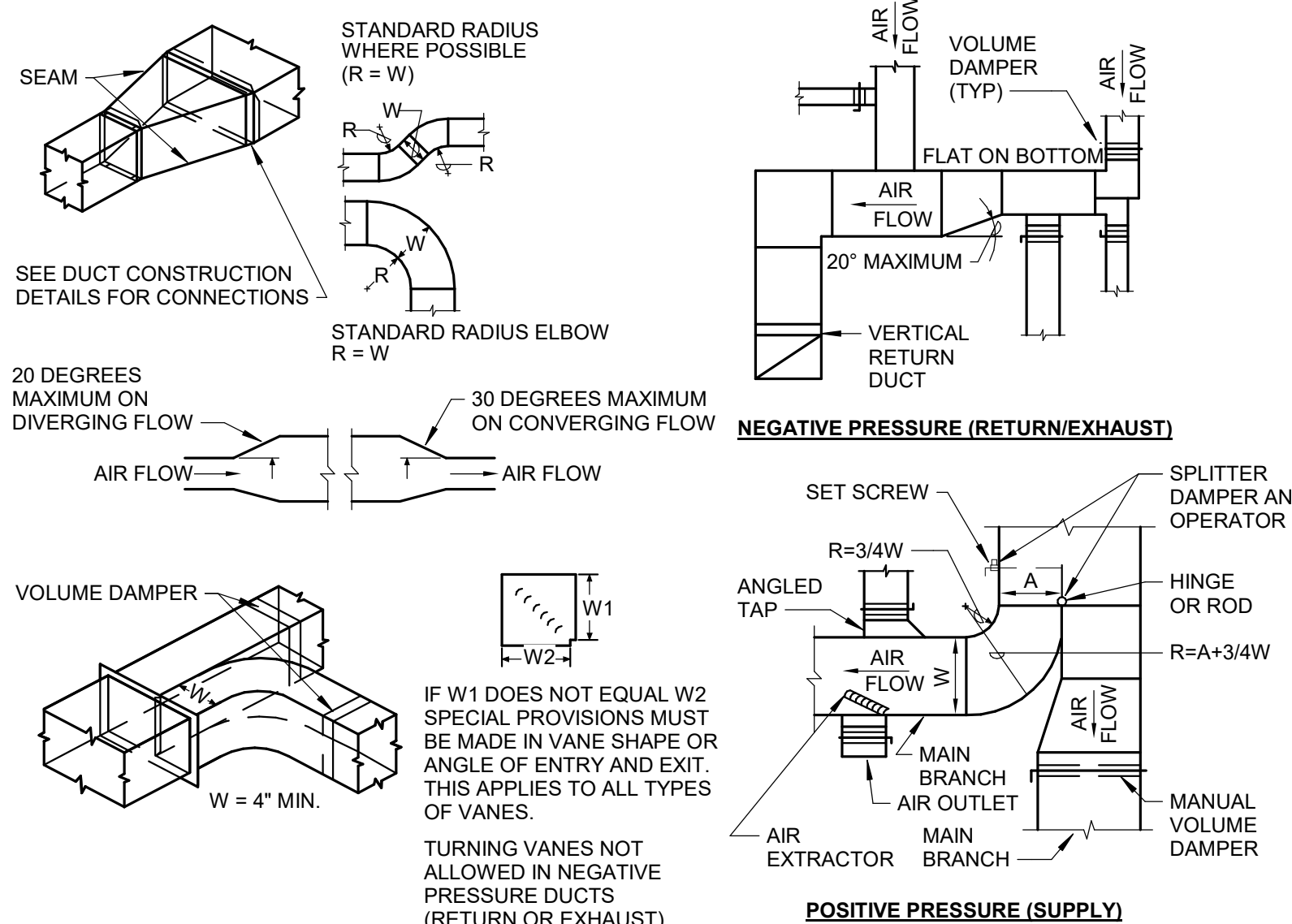
5 RETURN AIR GRILLE OPEN TO PLENUM

Scale: No Scale



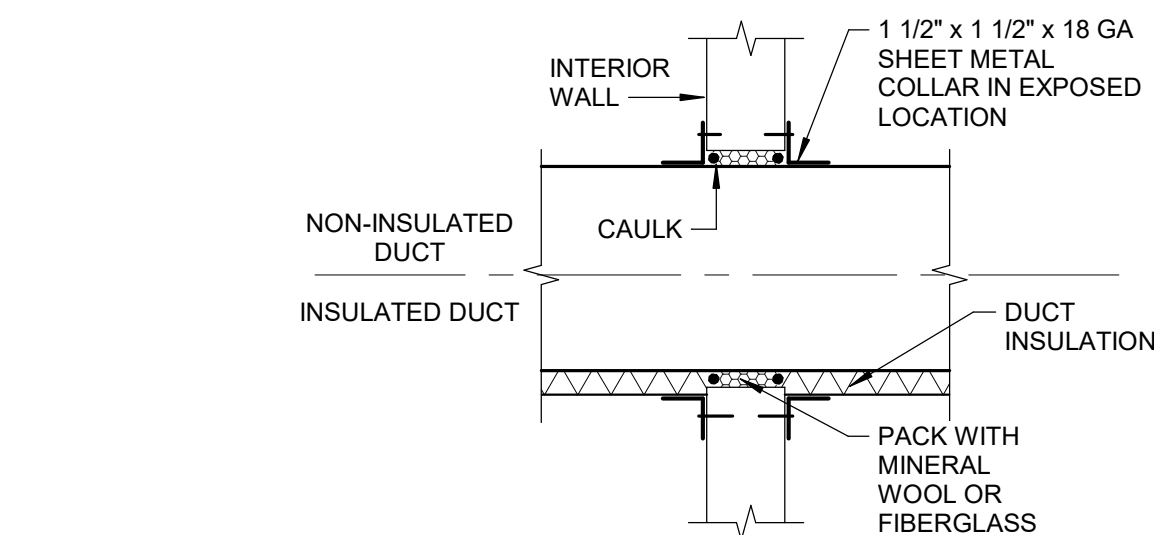
4 STANDARD RECTANGULAR ELBOW RADIUS

Scale: No Scale



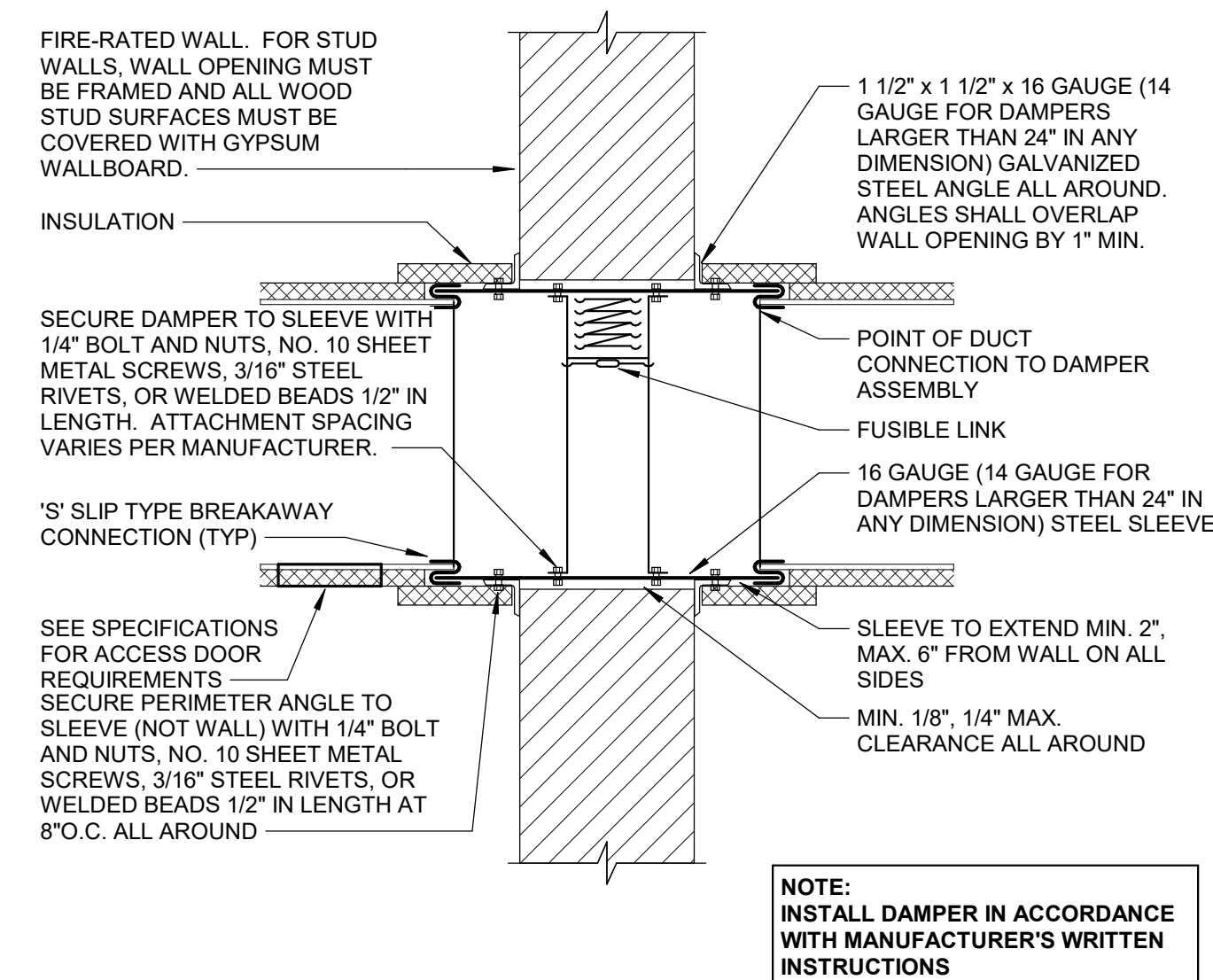
3 RECTANGULAR DUCT CONSTRUCTION

Scale: No Scale



2 DUCT PENETRATION FOR NON'RATED WALLS

Scale: No Scale



1 FIRE DAMPER IN WALL

Scale: No Scale

CEILING FAN SCHEDULE

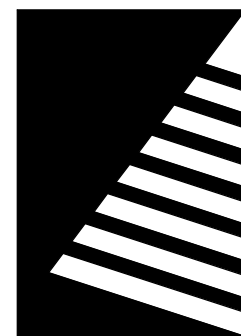
MARK	MANUFACTURER	MODEL	LOCATION	FINISH	ELECTRICAL DATA				PHYSICAL DATA		REMARKS
					V/PH	FLA	MCA	MOCP	BLADE DIA. (FT.)	WT. (LB.)	
CF1	BIG ASS FAN	ISIS	LOBBY	ARCHITECT SELECT	120/1	10	12.5	15	8	81	
NOTES: 1. INTEGRATE FAN CONTROLS (START, STOP, AND SPEED) IN BUILDING AUTOMATION SYSTEM. FAN SHALL RUN DURING NORMAL BUSINESS HOURS											

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	DRIVE	SERVICE	CFM	TSP (IN. W.C.)	SONES	DAMPER	ELECTRICAL DATA			PHYSICAL DATA				REMARKS
										HP/ WATTS	V/PH	FLA	L (IN.)	W (IN.)	H (IN.)	WT. (LBS.)	
EAF1	LOREN COOK	GN-822	IN-LINE, CENTRIFUGAL	DIRECT	PUBLIC RESTROOMS	875	0.375	4	BACKDRAFT	274W	120/1	2.3	27	15	15	74	
NOTES:																	

AIR DEVICE SCHEDULE

MARK	MANUFACTURER	MODEL	SERVICE	STYLE	MAX. N.C.	MAX. AIR P.D. (IN. W.C.)	MODULE SIZE	FRAME	FINISH	MATERIAL	REMARKS
S1	TITUS	OMNI	SUPPLY	PLAQUE	20	0.1	24X24	LAY-IN	WHITE	ALUMINUM	
S2	TITUS	OMNI	SUPPLY	PLAQUE	20	0.1	24X24	LAY-IN	WHITE	ALUMINUM	1
S3	TITUS	PSS-AA	SUPPLY	PERFORATED	20	0.1	24X24	SURFACE	WHITE	ALUMINUM	
S4	TITUS	ML-38	SUPPLY	LINEAR SLOT	20	0.1	48"LONG	SURFACE	WHITE	ALUMINUM	2
R1	TITUS	350RL	RETURN	LOUVER	20	0.03	24X24	LAY-IN	WHITE	STEEL	
R2	TITUS	350RL	RETURN	LOUVER	20	0.03	24X24	LAY-IN	WHITE	STEEL	1
E1	TITUS	350RL	EXHAUST	LOUVER	20	0.01	8X8	SURFACE	WHITE	STEEL	
E2	TITUS	350RL	EXHAUST	LOUVER	20	0.1	12X12	SURFACE	WHITE	STEEL	
NOTES: 1. FURNISH WITH BUG SCREEN 2. 2-SLOT, 3/4" SIZED SLOTS											



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SHEET TITLE:

MECHANICAL
SCHEDULES

SHEET NUMBER:

M2.1

PROJECT NO.: 0180459.04

5/24/2019 7:50:16 AM

	1	2	3	4	5	6	7	8	9	10														
K	GENERAL SYMBOLS			POWER SYMBOLS		LIGHTING SYMBOLS		FIRE ALARM SYMBOLS																
		MECHANICAL EQUIPMENT CALL-OUT: REFER TO THE EQUIPMENT DATA SCHEDULE FOR DETAILS		BRANCH CIRCUIT PANELBOARD - SURFACE MOUNTED		LUMINAIRE TYPE			MAIN CONTROL PANEL (FCP) FCP F/A MAIN CONTROL PANEL FSA FIRE SYSTEM ANNUNCIATOR FTR F/A TRANSPONDER OR TRANSMITTER ESR ELEVATOR STATUS RECALL FRP F/A RELAY PANEL FAC F/A COMMUNICATOR FPS FIRE ALARM ANNUNCIATION CIRCUIT POWER SUPPLY															
		PLUMBING EQUIPMENT CALL-OUT: REFER TO THE EQUIPMENT DATA SCHEDULE FOR DETAILS		BRANCH CIRCUIT PANELBOARD - FLUSH MOUNTED		LUMINAIRE - RECESSED (REFER TO LUMINAIRE SCHEDULE)			MANUAL PULL STATION - MOUNTED 46" AFF															
		KEYED NOTE		DISTRIBUTION PANELBOARD OR SWITCHBOARD		CONNECTED FOR NIGHT LIGHT USE CIRCUIT NUMBER AND SWITCH LEG (LUMINAIRES ARE CONTROLLED BY LOCAL SWITCH UNLESS DESIGNATION GIVEN)			SMOKE DETECTOR P PHOTOELECTRIC PL PLENUM SMOKE DETECTOR S SOUNDER BASE															
		FEEDER CALL-OUT		TRANSFORMER		LUMINAIRE - SURFACE MOUNTED			DUCT DETECTOR HOUSING AND SAMPLING TUBE															
		FOOD SERVICE EQUIPMENT DESIGNATION		POLE MOUNTED TRANSFORMER		RECESSED LUMINAIRE CONNECTED TO THE EMERGENCY POWER SYSTEM OR BALLAST/DRIVER			THERMAL (HEAT) DETECTOR R RATE OF RISE ONLY F FIXED TEMPERATURE L LINE TYPE FIXED TEMPERATURE CABLE ALL HEAT DETECTORS SHALL BE 135°, COMBINATION TYPE UNLESS INDICATED OTHERWISE.															
J		ROOM NUMBER		MOTOR CONTROL CENTER		OPEN INDUSTRIAL LUMINAIRE EMERGENCY POWER SYSTEM OR BALLAST/DRIVER			SUPERVISORY SWITCH - DRY-PIPE PRESSURE SWITCH															
		REVISION CALL-OUT		GROUND BAR		WALL MOUNTED LUMINAIRE			SUPERVISORY SWITCH - TAMPER SWITCH															
		NEW EQUIPMENT (TYPICAL)		UTILITY KILOWATT-HOUR METER		RECESSED DOWNLIGHT - CEILING MOUNTED			SUPERVISORY SWITCH - WATER FLOW SWITCH															
		EXISTING EQUIPMENT (TYPICAL)		SAFETY SWITCH - NON-FUSIBLE		RECESSED DOWNLIGHT w/ EMERGENCY BALLAST/DRIVER - CEILING MTD.			CONTROL DEVICE - DOOR HOLD OPEN															
		DEMOLITION EQUIPMENT (TYPICAL)		SAFETY SWITCH - FUSIBLE		SURFACE MOUNTED DOWNLIGHT			ADDRESSABLE INTERFACE MODULE C CONTROL M MONITORING S SIGNALLING V SOLENOID VALVE															
		WALL MOUNT BRACKET (TYPICAL)		MAGNETIC STARTER		RECESSED ADJUSTABLE/WALLWASH - CEILING MOUNTED			NOTIFICATION APPLIANCE MOUNTED 80" AFF OR 6" FROM CEILING WHICHEVER IS LOWER C CHIME H HORN LF LOW FREQUENCY															
H	WIRING AND CONDUITS			COMBINATION STARTER VFD VARIABLE FREQUENCY DRIVE		POLE MOUNTED SITE LIGHTING - SINGLE HEAD			NOTIFICATION APPLIANCE WITH STROBE MOUNTED 80" AFF OR 6" FROM CEILING WHICHEVER IS LOWER CANDELA VALUE AS SHOWN MINIMUM C CHIME H HORN LF LOW FREQUENCY															
		CONDUIT - CONCEALED IN SUSPENDED CEILING OR WALL		EQUIPMENT - MOTOR		POLE MOUNTED SITE LIGHTING - DUAL HEAD			SHUNT TRIP PUSH BUTTON - MOUNTED 46" AFF															
		CONDUIT - EXPOSED		DUPLX RECEPCTACLE (NEMA 5-20R) - MOUNTED 18" AFF GFI GROUND FAULT CIRCUIT INTERRUPTER SS SURGE SUPPRESSOR (ISOLATED GROUND TYPE) WP WEATHERPROOF H HOSPITAL GRADE TR TAMPER RESISTANT D DEDICATED USB STANDARD DUPLEX WITH 2 USB PORTS		POLE MOUNTED SITE LIGHTING - TRIPLE HEAD			NOTIFICATION APPLIANCE (CEILING) C CHIME STROBE H HORN STROBE LF LOW FREQUENCY CANDELA VALUE AS SHOWN MINIMUM															
		CONDUIT - CONCEALED BELOW SLAB OR GRADE		DUPLX RECEPCTACLE - MOUNTED 6" ABOVE COUNTER		POLE MOUNTED SITE LIGHTING - QUAD HEAD			CARBON MONOXIDE DETECTOR															
		CONDUIT - TURNING UP		DUPLX RECEPCTACLE - SPLIT WIRED - MOUNTED 18" AFF		LINEAR PENDANT			CEILING MOUNTED COMBINATION VOICE EVACUATION SPEAKER AND STROBE CANDELA VALUE AS SHOWN MINIMUM															
		CONDUIT - TURNING DOWN		DUPLX RECEPCTACLE - EMERGENCY POWER - MOUNTED 18" AFF		PENDANT			COMBINATION VOICE EVACUATION SPEAKER AND STROBE MOUNTED AT 80" AFF CANDELA VALUE AS SHOWN MINIMUM															
		CONDUIT - UP AND DOWN (CHANGE IN ELEVATION)		DUPLX RECEPCTACLE - CEILING MOUNTED		TRACK LIGHTING			REMOTE TEST SWITCH															
		CONDUIT - CONTINUED		DUPLX RECEPCTACLE - FLUSH FLOOR MOUNTED		EXIT SIGN - SINGLE FACE, CEILING MOUNTED ARROW INDICATES DIRECTION OF EXIT		SPECIAL SYSTEMS SYMBOLS																
		CONDUIT - FLEXIBLE		DUPLX RECEPCTACLE - FLUSH FLOOR MOUNTED		EXIT SIGN - SINGLE FACE, WALL MOUNTED			ACCESS CONTROL CONTROL PANEL															
		CONDUIT - CAPPED		QUADRUPLEX RECEPCTACLE - MOUNTED 18" AFF		EXIT SIGN - DUAL FACE, CEILING MOUNTED			DVR AND RACK															
		JUNCTION BOX		QUADRUPLEX RECEPCTACLE - MOUNTED 6" ABOVE COUNTER		EXIT SIGN - DUAL FACE, WALL MOUNTED			CARD READER - MOUNTED 48" AFF WITH 3/4" CONDUIT K WITH KEY PAD															
		JUNCTION BOX - EMERGENCY POWER		QUADRUPLEX RECEPCTACLE - FLUSH FLOOR MOUNTED		EXIT SIGN WITH EMERGENCY LIGHT ARROW INDICATES DIRECTION OF EXIT			ELECTRIC STRIKE WITH 3/4" CONDUIT															
		CONDUIT FITTING (CONDULET)		SINGLE RECEPCTACLE - MOUNTED 18" AFF		EMERGENCY LIGHT			ELECTRO-MAGNETIC LOCK WITH 3/4" CONDUIT															
		EXPANSION FITTING		SPECIAL PURPOSE RECEPCTACLE - MOUNTED 18" AFF		TOGGLE SWITCH - MOUNTED 48" AFF b LOWER CASE LETTER DENOTES LTG. SWITCH GROUP 2 DOUBLE-POLE SINGLE-THROW (DPST) 3 3-WAY 4 4-WAY B PUSHBUTTON D DIMMER (WALL BOX TYPE) K KEY OPERATED M MANUAL MOTOR STARTER P PILOT LIGHT T TIMER TT THERMAL TRIP SWITCH WP WEATHERPROOF OS WALL BOX OCCUPANCY SENSOR OS2 WALL BOX OCCUPANCY SENSOR FOR TWO LEVEL SWITCHING VS WALL BOX VACANCY SENSOR LV LOW VOLTAGE SWITCH TC TEACHER CONTROLS STATION TE TEACHER ENTRY STATION MC MOMENTARY CONTACT SWITCH			VIDEO MONITOR, FLAT SCREEN LCD WITH 3/4" CONDUIT															
		SEALING FITTING		SPECIAL PURPOSE RECEPCTACLE - CEILING MOUNTED		CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR a LOWER CASE LETTER DENOTES LTG. SWITCH GROUP			DOOR STATUS SWITCH WITH 3/4" CONDUIT															
		CABLE TRAY		SPECIAL PURPOSE RECEPCTACLE - FLUSH FLOOR MOUNTED		CEILING MOUNTED DAYLIGHT SENSOR a LOWER CASE LETTER DENOTES LTG. SWITCH GROUP			MOTION DETECTOR WITH 3/4" CONDUIT															
D	COMMUNICATIONS SYMBOLS (FOR ROUGH-IN ONLY WITH 1" CONDUIT TO ACCESSIBLE CEILING)			FLOOR BOX - SEE SPECS OR KEYED NOTES ON PLAN FOR DETAILS		CEILING MOUNTED DUAL TECHNOLOGY VACANCY SENSOR a LOWER CASE LETTER DENOTES LTG. SWITCH GROUP			POWER SUPPLY FOR PTZ CAMERA WITH 3/4" CONDUIT															
		TELEPHONE TERMINAL BACKBOARD (PROVIDE WITH 3/4" FIRERATED PLYWOOD)		POWER POLE		PHOTOCELL			4-CHANNEL CAMERA POWER SUPPLY WITH 3/4" CONDUIT															
		TELEPHONE OUTLET - WALL MOUNTED - WALL MOUNTED 18" AFF T TOUCH TONE DEVICE FOR THE DEAF W WALL PHONE (MOUNTED 54" AFF) D DEDICATED TELEPHONE OUTLET		CEILING FAN		ROOM CONTROLLER			INDOOR FIXED CAMERA WITH 3/4" CONDUIT PTZ PAN TILT ZOOM WP WEATHERPROOF															
		ABOVE COUNTER TELEPHONE OUTLET		HAND DRYER		LIGHTING CONTACTOR			TV OUTLET WITH 3/4" CONDUIT - MOUNTED 18" AFF															
		TELEPHONE OUTLET - FLUSH FLOOR MOUNTED		PUSH BUTTON		LIGHTING RELAY PANEL			HANDICAP DOOR OPERATORS - SEE ARCHITECTURALS WITH 3/4" CONDUIT															
		TELEPHONE OUTLET - CEILING MOUNTED				INVERTER			GLASS BREAK SENSOR WITH 3/4" CONDUIT															
		COMPUTER OUTLET - WALL MOUNTED 18" AFF							VOLUME CONTROLLER - MOUNTED 48" AFF WITH 3/4" CONDUIT															
		ABOVE COUNTER DATA OUTLET							CEILING MOUNTED SPEAKER															
		COMPUTER OUTLET - FLUSH FLOOR MOUNTED							WALL MOUNTED SPEAKER															
		COMPUTER OUTLET - CEILING MOUNTED							INTERCOM MASTER STATION															
		COMBINATION TELEPHONE/DATA OUTLET - WALL MOUNTED 18" A.F.F							INTERCOM REMOTE STATION P PEDESTAL MOUNT S HIGH SECURITY G GENERAL USE															
		ABOVE COUNTER COMMUNICATIONS OUTLET							DOOR BELL PUSH BUTTON															
		COMBINATION TELEPHONE/DATA OUTLET - FLUSH FLOOR MOUNTED							DOOR BELL															
		COMBINATION TELEPHONE/DATA OUTLET - CEILING MOUNTED							CLOCK															
B		WIRELESS ACCESS POINT							DOUBLE SIDED CLOCK															
									REQUEST TO EXIT															
A																								
ELECTRICAL FLOOR PLAN SYMBOLS (NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS)																								
Scale: No Scale																								
	1	2	3	4	5	6	7	8	9	10														

Farnsworth

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ISSUE:

DATE: DESCRIPTION:

Bid Set

05/28/2019

PROJECT:

Greater Peoria Mass Transit District

CityLink Transit

Center Renovation

407 SW Adams Street
Peoria, Illinois 61602

DATE:05/28/2019

DESIGNED:JDE

DRAWN:FGI

REVIEWED:TLA

SHEET TITLE:

ELECTRICAL
SYMBOLS

SHEET NUMBER:

E0.1

PROJECT NO.:0180459.04

5/24/2019 7:59:56 AM

GENERAL NOTES:

- A. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, ELEVATIONS, AND BUILDING DETAILS. VERIFY LOCATION OF ALL WALL OUTLETS, SWITCHES, ETC., WITH ARCHITECTURAL DRAWINGS AND ACTUAL CONDITIONS.
- B. PRIOR TO ROUGH-IN AND FINAL CONNECTION, VERIFY ELECTRICAL CHARACTERISTICS AND EXACT LOCATION OF EQUIPMENT. THIS VERIFICATION SHALL BE DONE THROUGH THE ARCHITECT.
- C. SEE MECHANICAL/PLUMBING DRAWINGS FOR ELECTRICAL REQUIREMENTS OF ALL MECHANICAL/PLUMBING EQUIPMENT, FOR WIRING AND CONTROL DIAGRAMS, AND FOR EXACT LOCATION OF EQUIPMENT.
- D. COORDINATE SCHEDULE OF CONSTRUCTION WITH THE OWNER, AND OTHER TRADES INVOLVED BEFORE INSTALLATION OF UNDERGROUND FEEDERS, TRENCHING, ETC.
- E. GROUT AND SEAL ALL CONDUIT PENETRATIONS OF WALLS AND FLOOR SLABS TO PRESERVE FIRE RATING AND WATERTIGHT INTEGRITY.
- F. DRAWINGS SHOW EXISTING CONDITIONS OF THE SITE. AN ATTEMPT HAS BEEN MADE TO SHOW EXISTING BUILDING, SITE DETAILS, ETC., BUT ACCURACY CANNOT BE GUARANTEED. VERIFY EXACT LOCATIONS OF ALL CIRCUITS, CONDUITS, PIPING, EQUIPMENT, ETC. VERIFY ALL SITE AND BUILDING DETAILS.
- G. PROVIDE DEDICATED, GREEN INSULATED, EQUIPMENT GROUND CONDUCTOR IN ACCORDANCE WITH CURRENT EDITION OF NATIONAL ELECTRICAL CODE IN FORCE IN JURISDICTION.
- H. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY, COORDINATE AND CONFIRM WITH THE MECHANICAL AND PLUMBING CONTRACTOR THE EXACT LOCATIONS AND FEED REQUIREMENTS OF ALL EQUIPMENT NEEDING AN ELECTRICAL CONNECTION.
- I. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ACTUAL LAYOUT OF LIGHT FIXTURES AND CEILING TYPES. VERIFY CEILING TYPES PRIOR TO ORDERING FIXTURES.
- J. REFER TO ARCHITECTURAL PLANS TO CONFIRM ALL FIRE-RATED CEILINGS AND WALLS.
1. ALL PENETRATIONS OF FIRE-RESISTIVE FLOORS OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAILS THAT CONFORM TO UNDERWRITERS' LABORATORIES LISTINGS FOR "THROUGH-PENETRATION FIRE STOP SYSTEMS." THE CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS, FURNISHED BY THE MANUFACTURER OF THE FIRE STOP MATERIAL, WHICH SHOW COMPLETE CONFORMANCE TO THE UL LISTING AND SHALL BE SPECIFIC FOR EACH PENETRATION WITH ALL VARIABLES DEFINED. THESE FINAL AND APPROVED DRAWINGS SHALL BE READILY AVAILABLE TO THE LOCAL INSPECTORS AT ALL TIMES AT THE PROJECT SITE.
- K. ALL LIGHT FIXTURES SHALL BE EQUIPPED WITH A GREEN GROUND WIRE BONDED TO THE HOUSING.
- L. ALL RECESSED CAN TYPE FIXTURES SHALL HAVE FEED-THROUGH JUNCTION BOXES.
- M. FINISH OF ALL LIGHTING FIXTURES IS SUBJECT TO ARCHITECT'S APPROVAL. SUBMIT SAMPLES IF REQUESTED.
- N. ALL SELF-CONTAINED EMERGENCY BATTERY PACK EXITS AND LIGHT FIXTURES SHALL BE CIRCUITED TO THE SAME BRANCH LIGHTING CIRCUIT SERVING THE NORMAL LIGHTING IN THE AREA. THE CIRCUIT SHALL BE UNSWITCHED SO THAT THE BATTERY CHARGER IS CONTINUOUSLY BEING ENERGIZED DURING NORMAL POWER CONDITIONS. IF THE LIGHT FIXTURE IS SHOWN OR INDICATED AS BEING SWITCHED, THE LAMPS ONLY SHALL BE CONTROLLED BY THE SWITCHED CONDUCTOR(S).
- O. THE ELECTRICAL CONTRACTOR SHALL BE HELD FINANCIALLY RESPONSIBLE FOR ANY AND ALL COSTS OF THE ENGINEERS TIME REQUIRED TO REVIEW AND RESEARCH NON-SPECIFIED EQUIPMENT SUBMITTED FOR SUBSTITUTION BY THE ELECTRICAL CONTRACTOR. THESE COSTS SHALL BE AUTOMATICALLY INVOICED TO THE CONTRACTOR UNLESS SUCH SUBSTITUTIONS FOLLOW THE GUIDELINES FOR SUBSTITUTION AND ARE WITHIN THE PROPER TIME FRAME AS OUTLINED IN OTHER SECTIONS OF THIS SPECIFICATION.
- P. PRIOR TO SUBMITTING BID PROPOSAL, BIDDER SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND VISIT CONSTRUCTION SITE TO BE FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
- Q. UNLESS INDICATED IN SOME MANNER THAT ELECTRICAL EQUIPMENT IS EXISTING ALL OTHER EQUIPMENT SHALL BE NEW.
- R. CONTRACTOR SHALL NOT SCALE DRAWING FOR QUANTITIES. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL MEASUREMENTS.
- S. IF POSSIBLE, ALL NEWLY INSTALLED RECEPTACLES SHALL BE INSTALLED IN SEPARATE OR ADJACENT STUD SPACES, TO AVOID SOUND TRANSMISSION AND WALL INTEGRITY ISSUES. ALL NEWLY INSTALLED RECEPTACLES LOCATED IN COMMON STUD SPACES OF FIRE-RESISTANT WALLS SHALL BE EQUIPPED WITH FIRE-RESISTANT PUTTY PADS AT THE BACK OF EACH BOX IN ACCORDANCE WITH NEC 300.21.
- T. SECURE ALL LOW VOLTAGE DATA, SIGNALING AND CONTROL WIRING TO THE STRUCTURE AT INTERVALS NO MORE THAN 4 FEET.

GENERAL NOTES - CONDUIT AND WIRING:

- A. WHERE CONDUIT AND WIRING RUNS ARE NOT SHOWN ON FLOOR PLANS, THE CONTRACTOR SHALL DETERMINE AND PROVIDE THE REQUIRED CONDUIT AND WIRING FOR SPECIFIED CIRCUITING IN ACCORDANCE WITH NEC AND THE FOLLOWING MINIMUM REQUIREMENTS:
1. MINIMUM CONDUIT SIZE SHALL BE 3/4".
2. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG. #10 AWG SHALL BE USED FOR HOME RUNS OF 20 AMP BRANCH CIRCUITS OVER 100 FEET IN LENGTH.
3. EACH RACEWAY SHALL CONTAIN AN INSULATED EQUIPMENT GROUNDING CONDUCTOR PER NEC.
4. DERATING OF CONDUCTOR AMPACITY SHALL BE APPLIED PER NEC.
5. NO SHARING OF NEUTRALS ALLOWED. CIRCUIT SHALL HAVE DEDICATED NEUTRAL CONDUCTORS. ONE CIRCUIT, ONE NEUTRAL.
6. MAXIMUM SIX FOOT FLEXIBLE FIXTURE WHIP SHALL BE USED FOR FINAL CONNECTIONS TO LIGHT FIXTURES INSTALLED IN LAY-IN CEILINGS. MAXIMUM FOUR LIGHT FIXTURE WHIPS SHALL BE CONNECTED FROM ONE JUNCTION BOX. FEED THRU BETWEEN LIGHT FIXTURES SHALL NOT BE ALLOWED.

REMODELING NOTES:

- A. CERTAIN REMODELING OF ELECTRICAL FACILITIES WILL BE REQUIRED IN THE EXISTING BUILDING. EXISTING CONDUIT RUNS ARE GENERALLY NOT SHOWN, ALTHOUGH A FULL ATTEMPT HAS BEEN MADE TO SHOW SOME EXISTING CONDITIONS, OF WHICH INFORMATION HAS BEEN TAKEN FROM EXISTING RECORD DRAWINGS OF THIS PROJECT. THE DRAWINGS SHOWING LOCATION OF EXISTING EQUIPMENT, OUTLETS, FIXTURES, ETC., IN EXISTING AREAS ARE APPROXIMATE ONLY (FIELD VERIFY).
- B. BRANCH CIRCUITS SHALL BE REUSED WHERE PRACTICAL AND SHALL, IN ADDITION, BE REMODELED AS REQUIRED. THE CONTRACTOR SHALL CONCEAL ALL WORK WHERE POSSIBLE. WHERE EXPOSED WORK IS REQUIRED IN FINISHED AREAS, THE CONTRACTOR SHALL USE WIREMOLD RACEWAY WITH #500 BEING THE MINIMUM SIZE ACCEPTABLE.
- C. EXISTING ELECTRICAL WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO OPERATING CONDITION, AS REQUIRED AND/OR DIRECTED. WHERE REQUIRED, SHOWN AND/OR DIRECTED, OUTLETS AND CONDUIT RUNS SHALL BE RELOCATED. IN SOME CASES IT MAY BE NECESSARY TO EXTEND CONDUITS AND PULL IN NEW WIRING OR INSTALL JUNCTION BOXES AND SPLICE IN NEW WIRING OR REPLACE OLD WIRING WITH NEW.
- D. OUTLETS FROM WHICH FIXTURES, SWITCHES, RECEPTACLES, AND/OR OTHER ELECTRICAL DEVICES ARE MOVED AND WHICH ARE NOT REPLACED OR REUSED SHALL BE REMOVED OR, IF IT IS NOT POSSIBLE TO REMOVE, PLACE A BLANK COVER ON THE OUTLET BOX. WHERE OUTLETS, BOXES, ETC., ARE COMPLETELY REMOVED, THE CONTRACTOR SHALL CUT OFF CONDUITS AND REMOVE WIRING.
- E. WHERE EXISTING LIGHT FIXTURES ARE TO BE REUSED, THE ELECTRICAL CONTRACTOR SHALL CLEAN AND REPLACE LAMPS, REPAIR OR REPLACE DEFECTIVE PARTS, LENS, BALLAST, ETC. AS REQUIRED.
- F. WHERE CONDUITS EXTENDING THROUGH FLOORS ARE TO BE ABANDONED, THE CONTRACTOR SHALL CUT AND CAP OR PLUG CONDUIT, THAT IT WILL NOT PROTRUDE ABOVE THE FLOOR.
- G. THE CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRED PATCHING, PLASTERING, PAINTING AND/OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THIS SPECIFICATION. CLOSE ALL OPENINGS, REPAIR ALL SURFACED, ETC., AS REQUIRED. THE CONTRACTOR SHALL EMPLOY QUALIFIED AND EXPERIENCED WORKMEN FOR THIS WORK. ALL RESTORATION WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND/OR THE OWNER.
- H. ALL TEMPORARY AND REMODELING WORK SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
- I. EXAMINE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE SEQUENCE OF CONSTRUCTION THROUGHOUT THE PROJECT, INCLUDING EXISTING, TEMPORARY, REMODELED AND NEW AREAS.
- J. ALL ELECTRICAL CONNECTIONS REQUIRING AN OUTAGE SHALL BE MADE DURING AN APPROVED TIME LIMIT. CHANGEOVERS SHALL BE AS SHORT A DURATION AS POSSIBLE AND SHALL NOT INTERFERE WITH NORMAL OPERATION OF THE OWNER'S FACILITIES. NOTICE SHALL BE REQUIRED IN ADVANCE OF A SHUTDOWN OF ANY ELECTRICAL CIRCUIT FOR CHANGEOVER, AND SUCH A CHANGEOVER SHALL BE DONE DURING HOURS AS DIRECTED BY OWNER. WORK SHALL BE SCHEDULED SO THAT AT NO TIME WILL ANY EMERGENCY FEEDER, CIRCUIT, OR FIRE ALARM ZONE BE OUT OF SERVICE. PROVIDE NECESSARY TEMPORARY FEEDERS TO ACCOMPLISH THIS REQUIREMENT.
- K. EXISTING LOW VOLTAGE WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO CONDITION, OR POSITION, AS REQUIRED. PROPERLY RE-SECURE CABLE IN CHASES, CRAWL SPACES, TUNNELS, AND CEILING SPACES AS REQUIRED BY NEC. IN SOME CASES IT MAY BE NECESSARY TO ADD SUPPORTING HARDWARE TO ACCOMPLISH THIS REQUIREMENT.

DEMOLITION GENERAL NOTES:

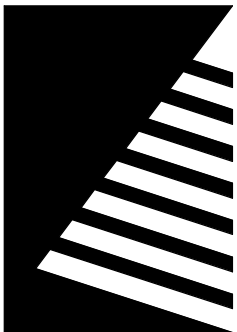
- A. RETURN REMOVED MATERIAL, DEEMED SALVAGEABLE BY OWNER'S REPRESENTATIVE. MATERIALS DEEMED NOT SALVAGEABLE SHALL BE REMOVED FROM THE PREMISES.
- B. REMOVE ALL EXISTING WIRING DEVICES, LIGHT FIXTURES, WIRE, CONDUIT, ETC., AS NOTED OR INDICATED WITHIN DEMOLITION AREA. (ALL ITEMS MAY NOT BE SHOWN). REWORK AS NECESSARY CIRCUITING WHICH REQUIRES CONTINUATION THROUGH THE AREA.
- C. ELECTRICAL CONTRACTOR TO PROVIDE ALL NECESSARY LABOR, CONDUIT, WIRE, CONNECTIONS, ETC., FOR DEVICES, FIXTURES, ETC., NOTED AS "EXISTING TO REMAIN" SUCH THAT EXISTING CIRCUIT CONTINUITY IS MAINTAINED.
- D. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED TO REMOVE/RELOCATE ANY EXISTING ELECTRICAL EQUIPMENT SUCH THAT ELECTRIC SHOCK HAZARDS TO WORKMEN ARE ELIMINATED DURING DEMOLITION AND NEW CONSTRUCTION.
- E. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK IN REMOVING AND REPLACING "EXISTING TO REMAIN" FIXTURES, DEVICES, ETC., AS REQUIRED SO THAT THESE DEVICES ARE NOT DAMAGED DURING DEMOLITION. RELOCATED TO NEAREST APPROPRIATE LOCATION TO AVOID CONFLICTS WITH OTHER TRADES' WORK. REPLACE WITH NEW ANY "EXISTING TO REMAIN" FIXTURE, DEVICE, ETC., NOT DEEMED SALVAGEABLE BY OWNER'S REPRESENTATIVE.
- F. REMOVED OR DAMAGED CONDUIT, WIRE, AND FITTINGS SHALL NOT BE REUSED FOR RELOCATED OR NEW DEVICES.
- G. MAKE AS-BUILTS WITH NEW TYPED DIRECTORIES FOR ALL PANELBOARDS, INDICATING CIRCUIT DESCRIPTION (USED OR SPARE), CIRCUIT BREAKERS AND CIRCUIT LOAD.
- H. WORK REQUIRED FOR EXISTING EQUIPMENT NOTED AS "EXISTING TO BE REMOVED" SHALL INCLUDE:
1. REMOVAL OF FEEDER FROM EQUIPMENT TO POINT OF FEED.
2. REMOVAL OR RE-CIRCUITING OF ALL BRANCH CIRCUITING.
3. REMOVAL OF ALL FITTINGS, SUPPORTS, BRACKETS, ETC.
4. PATCHING OF WALLS, FLOORS AND CEILINGS PER ARCHITECT'S INSTRUCTIONS.
5. CAPPING OF FEEDER CONDUIT AT 6" ABOVE OR BELOW FLOOR/CEILING AS REQUIRED AND MARKING LOCATION OF POINT OF FEED WITH AN ENGRAVED BRASS TAG.
6. REMOVAL OF FEEDER CONDUIT IF FOUND TO BE UNSALVAGEABLE BY ARCHITECT, ENGINEER OR OWNER'S REPRESENTATIVE.
- I. EXISTING EQUIPMENT NOT IMPLICITLY SHOWN ON THE DRAWINGS IS INTENDED TO BE "EXISTING TO REMAIN UNCHANGED", UNLESS NOTED OTHERWISE.

ABBREVIATIONS

(E)	EXISTING (ALSO COVERED BT TEXT WEIGHT)
(F)	FUTURE
(PART)	PARTIAL CIRCUIT
(R)	RELOCATE
2S1W	TWO SPEED, SINGLE WINDING
2S2W	TWO SPEED, TWO WINDING
A	AMPERES
AC	6" ABOVE COUNTER
ADA	AMERICANS WITH DISABILITIES ACT
AF	AMPERES FRAME
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERES INTERRUPTION CAPACITY
AL	ALUMINUM
AT	AMPERES TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CAM	CAMERA
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CCW	COUNTER CLOCKWISE
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CO	CONDUIT ONLY
CRI	COLOR RENDERING INDEX
CT	CURRENT TRANSFORMER
CU	COPPER
CW	CLOCKWISE
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DR	DUPLEX RECEPTACLE
DWG	DRAWING(S)
EC	ELECTRICAL CONTRACTOR
ELC	ELEVATOR CONTRACTOR
ELEC	ELECTRIC/ELECTRICAL
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXP	EXPLOSION PROOF
F	FUSED
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLE
FLA	FULL LOAD AMPERES
FMC	FLEXIBLE METAL CONDUIT
FO	FIBER OPTIC
FPC	FIRE PROTECTION CONTRACTOR
FS	FUSED SWITCH
FSD	FIRE/SMOKE DAMPER
FT	FOOT/FEET
FVNR	FULL VOLTAGE, NON-REVERSING
FVR	FULL VOLTAGE, REVERSING
G	GROUND
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GF	GROUND FAULT
GFI/GFCI	GROUND FAULT INTERRUPTER
GND	GROUND/GROUNDING
H	HORIZONTALLY MOUNTED
HH	HANDHOLE
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HZ	FREQUENCY
I/O	INPUT/OUTPUT
IC	INTERRUPTING CAPACITY
ID	INSIDE DIAMETER
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
ISC	SHORT CIRCUIT CURRENT
JB	JUNCTION BOX
K	KELVIN (COLOR TEMPERATURE)
KCMIL	1000 CIRCULAR MILS
KV	KILOVOLTS
KVA	KILVOLT-AMPERES
KW	KILOWATTS
KWH	KILOWATT-HOUR
LAN	LOCAL AREA NETWORK
LC	LIGHTING CONTRACTOR
LCP	LIGHTING CONTROL PANEL
LED	LIGHT EMITTING DIODE
LF	LINEAR FOOT
LFMC	LIQUID-TIGHT FLEXIBLE METAL CONDUIT
LFS	LIGHT FIXTURE SCHEDULE
LM	LUMEN
LTG	LIGHTING
LV	LOW VOLTAGE

ABBREVIATIONS

MAN	MANUAL MOTOR STARTER WITH OVERLOADS
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPERES
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MDF	MAIN DISTRIBUTION FRAME
MDP	MAIN DISTRIBUTION PANEL
MEFPF	MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION
MGB	MASTER GROUND BAR
MH	MANHOLE
MH	METAL HALIDE
MIN	MINIMUM
MLO	MAIN LUG ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MSB	MAIN SWITCHBOARD
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
MVA	MEGAVOLT-AMPERES
MW	MEGAWATT
MWH	MEGAWATT-HOURS
N	NEUTRAL
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NONFUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NP	NAMEPLATE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OWN	OWNER
P	POLE
PA	PUBLIC ADDRESS
PB	PULL BOX
PC	PHOTOCELL
PC	PLUMBING CONTRACTOR
PDT	PASSIVE DUAL TECHNOLOGY
PF	POWER FACTOR
PH	PHASE
PIR	PASSIVE INFRARED
PLC	PROGRAMMABLE LOGIC CONTROLLER
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
PWC	PRE-WIRED CONTROLS
PWR	POWER
RCPT	RECEPTACLE
REQD	REQUIRED
RF	RADIO FREQUENCY
RM	ROOM
RMC	RIGID METAL CONDUIT
RNC	RIGID NON-METALLIC CONDUIT (SCH 40)
RVAT	REDUCED VOLTAGE - AUTOTRANSFORMER
SC	SHORT CIRCUIT
SCC	SHORT CIRCUIT CURRENT RATING
SDP	SUBDISTRIBUTION PANEL
SEC	SECONDARY
SHLD	SHIELD(ED) (AS IN CABLE)
SHT	SHEET
SPD	SURGE-PROTECTIVE DEVICE
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
SR	SINGLE RECEPTACLE
ST	SHUNT TRIP
SW	MOTOR RATED SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TBD	TO BE DETERMINED
TC	TIMECLOCK
TCC	TEMPERATURE CONTROLS CONTRACTOR
TEMP	TEMPERATURE
TT	THERMAL TRIP SWITCH
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
U	UTILITY
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTABLE POWER SUPPLY
V	VOLTS
VA	VOLT-AMPERES
VAC	VOLTS ALTERNATING CURRENT
VDC	VOLTS DIRECT CURRENT
VFD	VARIABLE FREQUENCY DRIVE
VND	VENDOR
W	WATTS
W	WIRE
WHM	WATT/ HOUR METER
WP	WEATHERPROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF
Z	IMPEDANCE



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CityLink Transit Center Renovation

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DESIGNED: JDE

DRAWN: FGI

REVIEWED: TLA

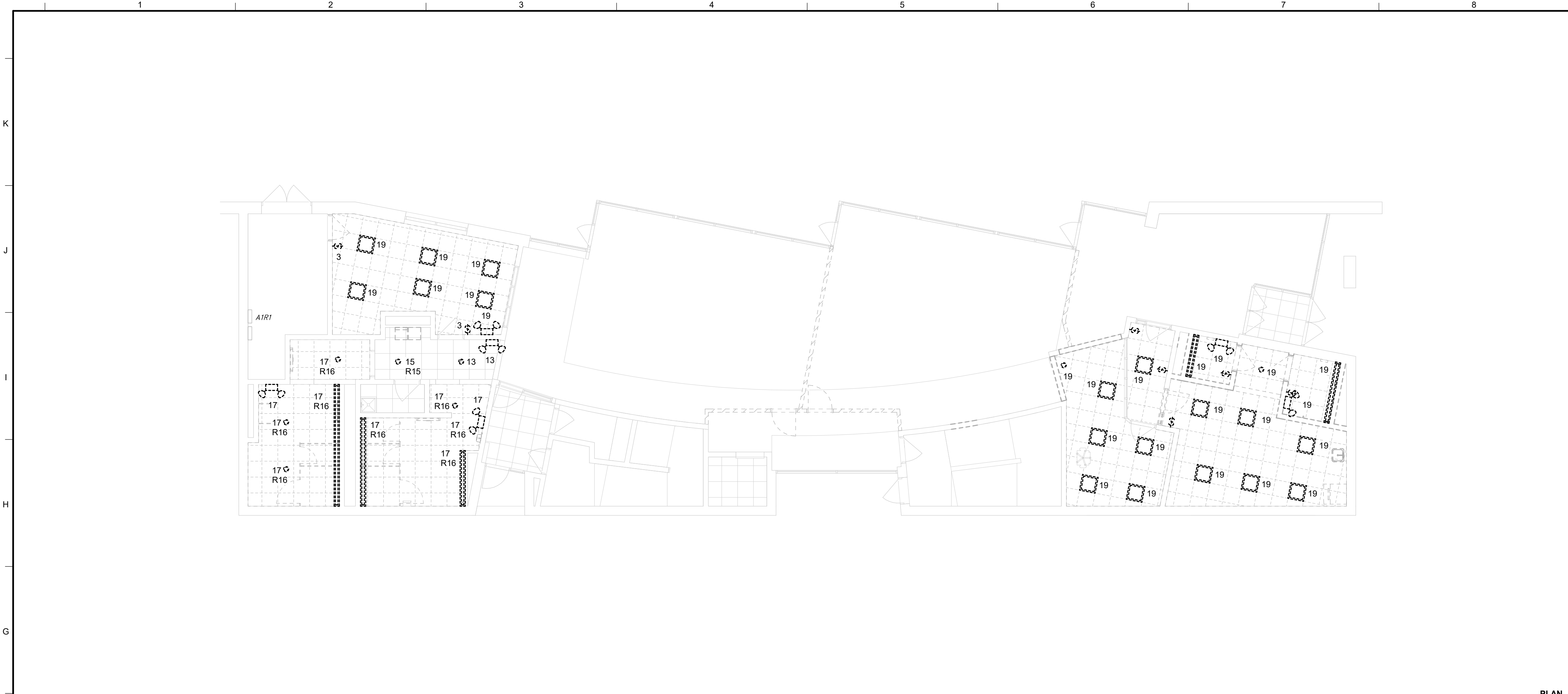
SHEET TITLE:

ELECTRICAL GENERAL NOTES AND ABBREVIATIONS

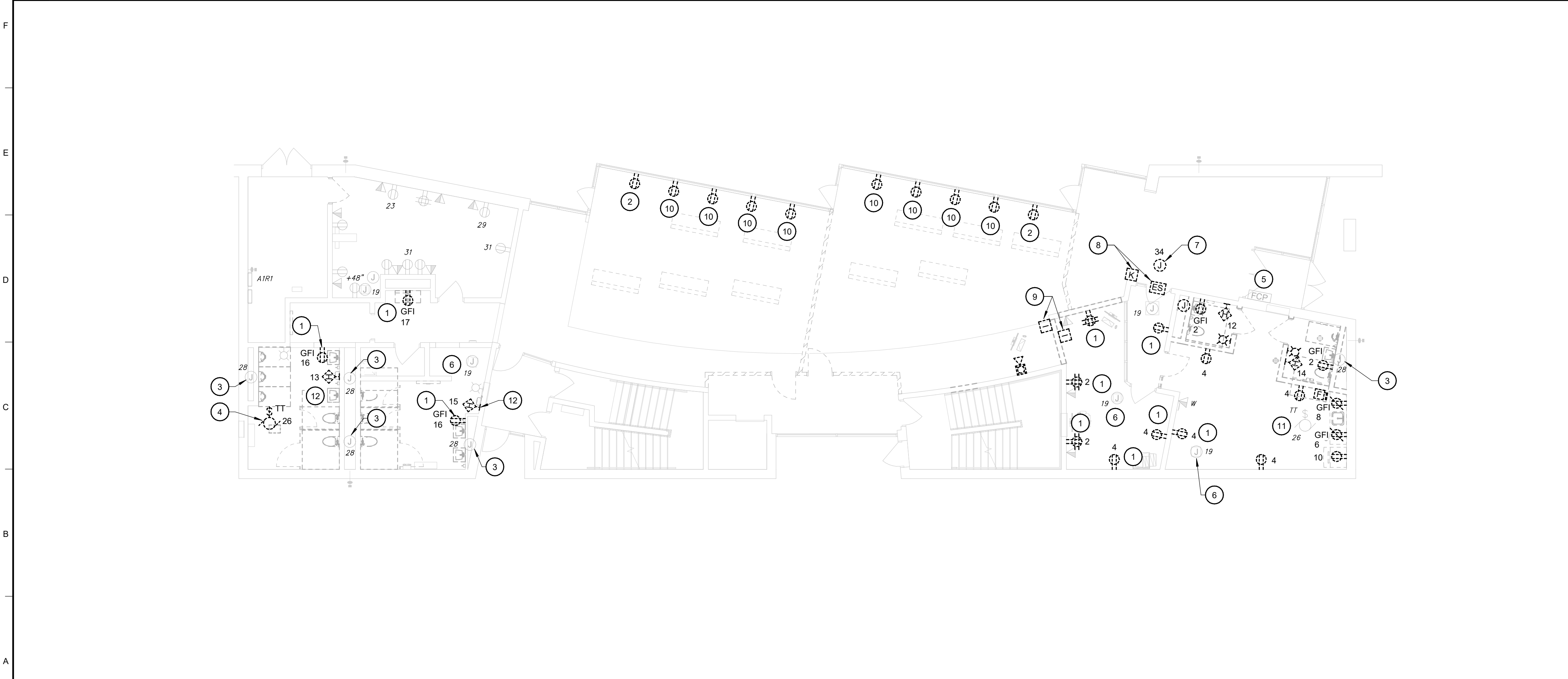
SHEET NUMBER:

E0.2

PROJECT NO.: 0180459.04



2 FIRST FLOOR ELECTRICAL CEILING DEMOLITION PLAN
Scale: 1/8" = 1'-0"



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

GENERAL NOTES

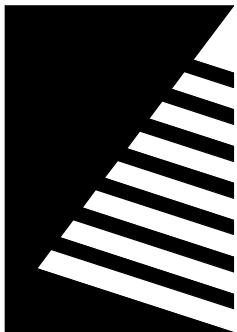
A. CIRCUIT NUMBERS ARE TAKEN FROM EXISTING DRAWINGS, CONTRACTOR TO CONFIRM AND MAKE ACCURATE RECORD DOCUMENTS.

B. ALL CIRCUITS ON FIRST FLOOR ARE FROM PANEL 'A1R1', UNLESS OTHERWISE NOTED.

C. ALL LIGHTING CIRCUITS ARE FROM PANEL 'A2L1' VIA LIGHTING RELAY PANEL, BOTH ON SECOND FLOOR, UNLESS OTHERWISE NOTED.

D. 'R#' ADJACENT TO LUMINAIRE INDICATES RELAY NUMBER.

- KEYNOTES #**
- 1 EXISTING DEVICE LOCATION, REMOVE AND REPLACE WITH NEW DEVICE.
 - 2 REMOVE EXISTING DEVICE FROM SURFACE RACEWAY, INSTALL BLANK COVER, PREP FOR EXTENSION TO NEW COUNTER TOP.
 - 3 EXISTING POWER CONNECTION TO FLUSH VALVE TO REMAIN AND BE REUSED.
 - 4 EXISTING EXHAUST FAN AND DISCONNECT, DISCONNECT AND PREP FOR NEW.
 - 5 EXISTING SIEMENS FIREFINDER XLS SYSTEM FIRE ALARM PANEL TO REMAIN.
 - 6 EXISTING POWERED VAV BOX, TO REMAIN.
 - 7 EXISTING POWER SUPPLY FOR ELECTRIC STRIKE, COORDINATE RELOCATION WITH OWNERS SECURITY SUPPLIER.
 - 8 ELECTRIC STRIKE AND KEYPAD TO BE RELOCATED, COORDINATE WORK WITH OWNERS SECURITY SUPPLIER.
 - 9 LOCALIZED INTERCOM AND SURFACE RACEWAY TO BE REMOVED.
 - 10 REMOVE EXISTING WIRING DEVICE, SURFACE BOX, COVER, AND CONDUIT, WIRE BACK TO BOX THAT IS REMAINING.
 - 11 EXISTING FAN TO REMAIN.
 - 12 EXISTING HAND DRYER LOCATION TO REMAIN.



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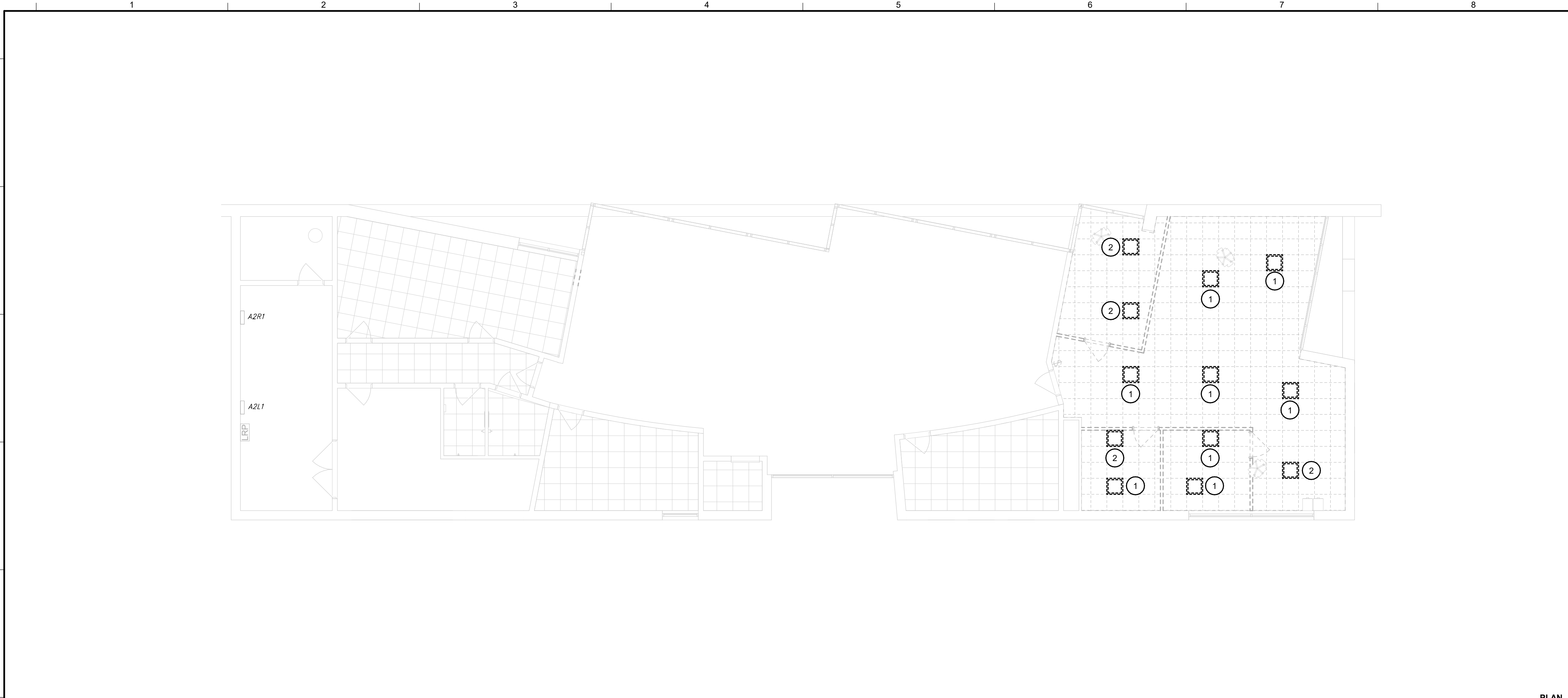
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DESIGNED: JDE
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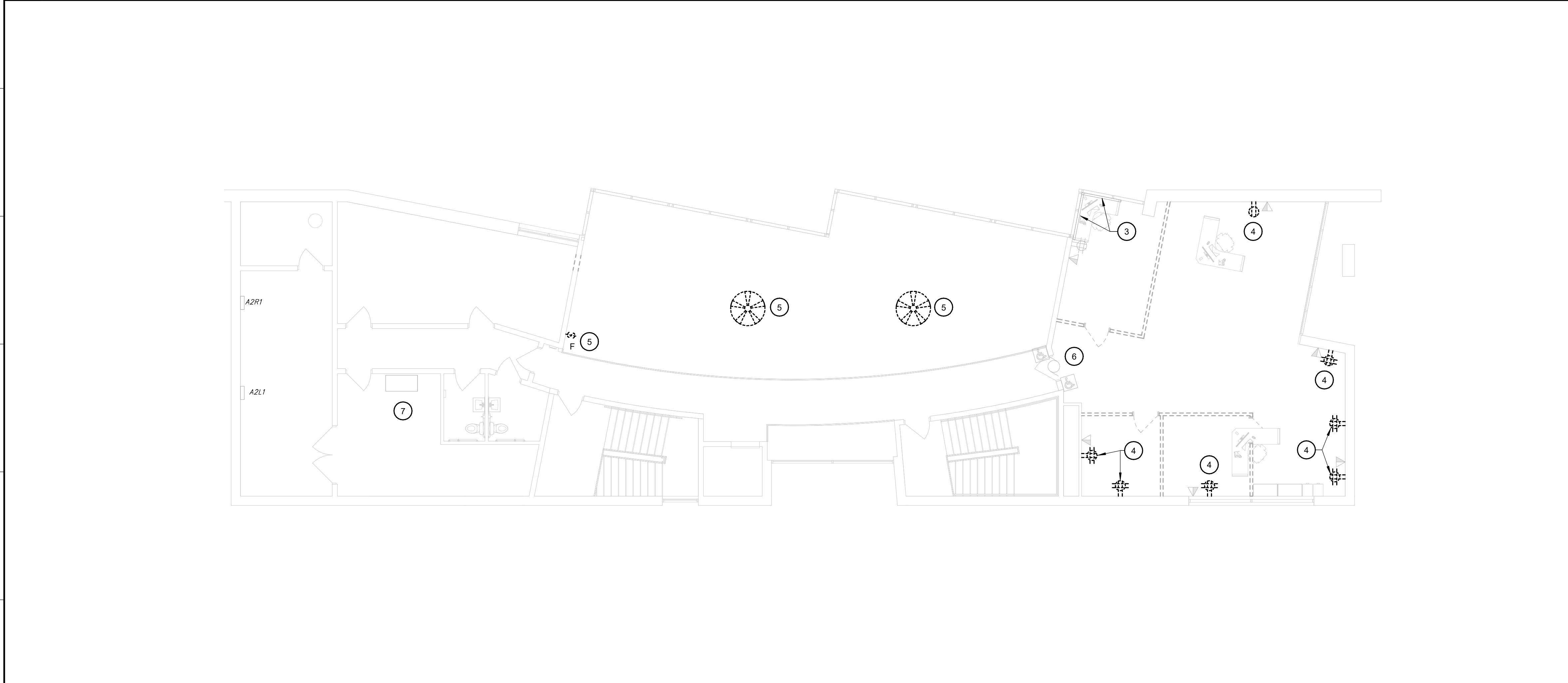
SHEET TITLE:
FIRST FLOOR ELECTRICAL DEMOLITION PLANS

SHEET NUMBER:
ED1.1

PROJECT NO.: 0180459.04



2 SECOND FLOOR ELECTRICAL CEILING DEMOLITION PLAN
Scale: 1/8" = 1'-0"



1 SECOND FLOOR ELECTRICAL DEMOLITION PLAN
Scale: 1/8" = 1'-0"

GENERAL NOTES

A. CIRCUIT NUMBERS ARE NOT SHOWN ON EXISTING DRAWINGS, CONTRACTOR TO CONFIRM AND MAKE ACCURATE RECORD DOCUMENTS.

B. ALL CIRCUIT ON SECOND FLOOR ARE FROM PANEL 'A2R1'.

C. ALL LIGHTING CIRCUITS ARE FROM PANEL 'A2L1' VIA LIGHTING RELAY PANEL, BOTH ON SECOND FLOOR, UNLESS OTHERWISE NOTED.

D. 'R#' ADJACENT TO LUMINAIRE INDICATES RELAY NUMBER.

KEYNOTES #

1 EXISTING LED LUMINAIRE TO BE REMOVED AND REUSED.

2 EXISTING LED LUMINAIRE TO BE REMOVED AND RETURNED TO OWNER.

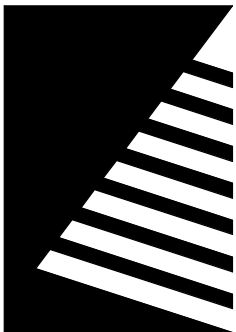
3 EXISTING SURFACE RACEWAY TO REMAIN.

4 EXISTING WIRING DEVICE LOCATION TO BE REUSED WITH NEW WIRING DEVICES.

5 EXISTING CEILING PADDLE FANS AND CONTROLS TO BE REMOVED. PULL WIRE BACK TO SOURCE, REMOVE ALL EXPOSED CONDUIT.

6 EXISTING MOTORIZED DOOR AND CONTROLS TO REMAIN.

7 EXISTING DATA RACK TO REMAIN.

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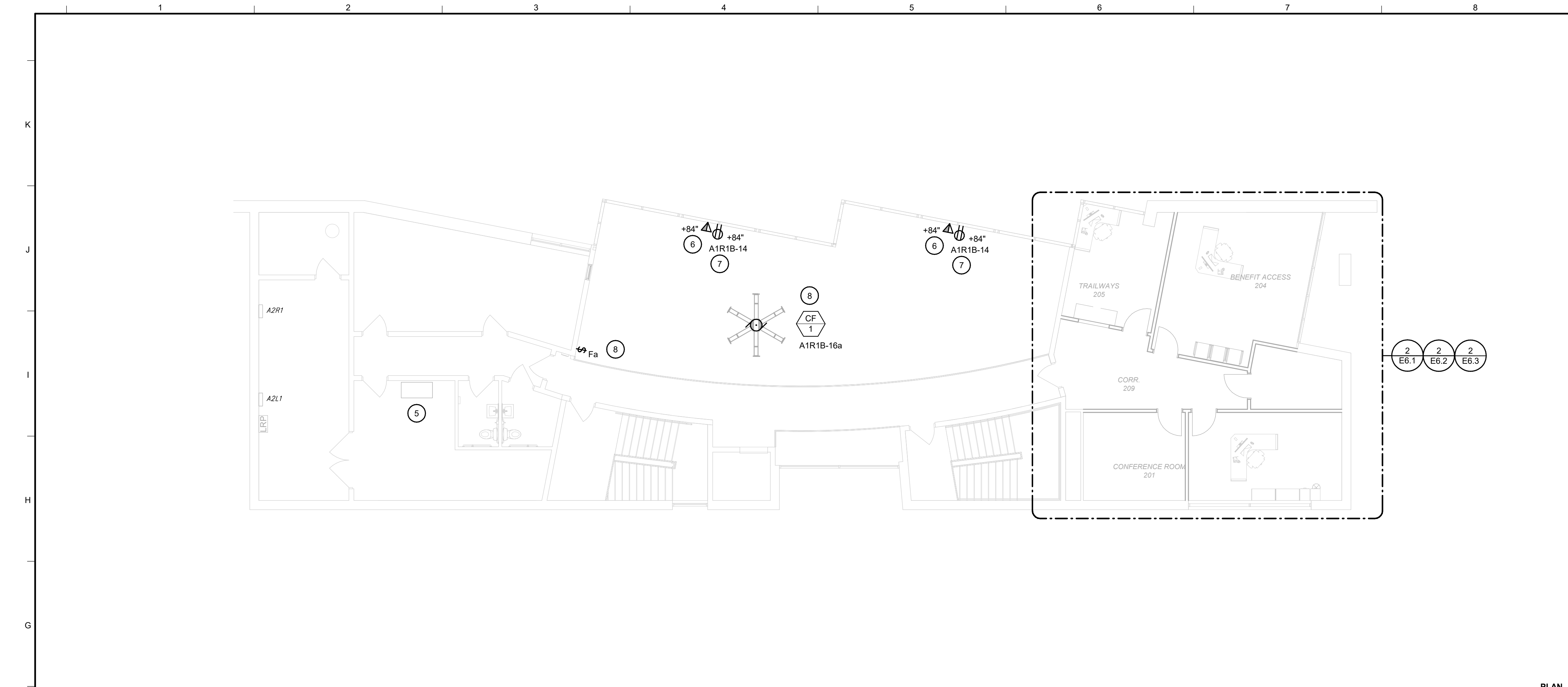
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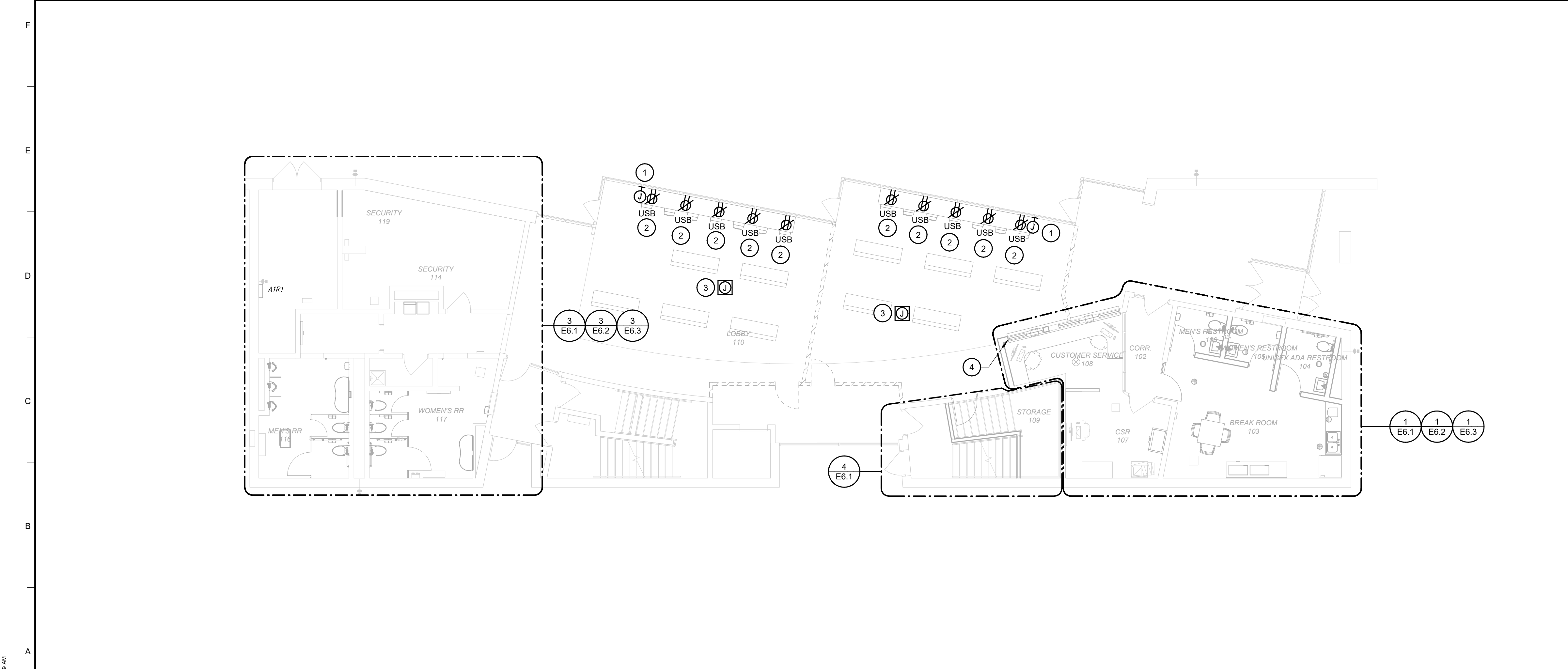
SHEET TITLE:
SECOND FLOOR ELECTRICAL DEMOLITION PLAN

SHEET NUMBER:
ED1.2

PROJECT NO.: 0180459.04



2 SECOND FLOOR PLAN
Scale: 1/8" = 1'-0"



1 FIRST FLOOR PLAN
Scale: 1/8" = 1'-0"

GENERAL NOTES

A. NOT USED

KEYNOTES #

- 1 LOCATION OF FORMER RECEPTACLE IN SURFACE RACEWAY NOW A JUNCTION BOX. EXTEND IN METAL SURFACE RACEWAY UP TO UNDERSIDE OF COUNTERTOP TO FEED NEW RECEPTACLES MOUNTED ON COUNTER TOP. EXTEND WIRING AS REQUIRED.
- 2 NEW TOMBSTONE MOUNTED WIRING DEVICE WITH DUPLEX RECEPTACLE AND 2 USB PORTS (IN ONE DEVICE).
- 3 LEGRAND #RFB4E-OG/6CTC2(XX)TR RECESSED FLOOR BOX CUT INTO EXISTING CONCRETE FLOOR WITH TAMPER RESISTANT COVER. COLOR TO BE CHOSEN BY INTERIOR DESIGN PROFESSIONAL AT TIME OF SHOP DRAWINGS. SAW CUT FLOOR AS REQUIRED TO SET AND ROUTE (2) 1-1/2" CONDUITS TO NEAR PANELBOARD A1R1 AND CAP.
- 4 ROUTE CONDUITS FROM FLOOR BOXES TO THIS NEW WALL. INSTALL CONCEALED IN WALL AND THEN TIGHT TO UNDERSIDE OF ABOVE WALKWAY TO ELECTRICAL ROOM.
- 5 EXISTING DATA RACK
- 6 CAST BOX WITH (1) 1" HUB AND (2) CAT 6 CABLES IN 1" C, UP WINDOW MULLION TO RUN TO DATA RACK ON 2ND FLOOR.
- 7 CAST BOX WITH 3/4" CONDUIT HUB AND 3/4" C AND CIRCUITRY UP WINDOW MULLION TO DESIGNATED CIRCUIT.
- 8 NEW PADDLE FANS AND CONTROLS PROVIDED BY MC INSTALLED BY EC.

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NEW FLOOR PLANS

SHEET NUMBER:

E1.1

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K
J
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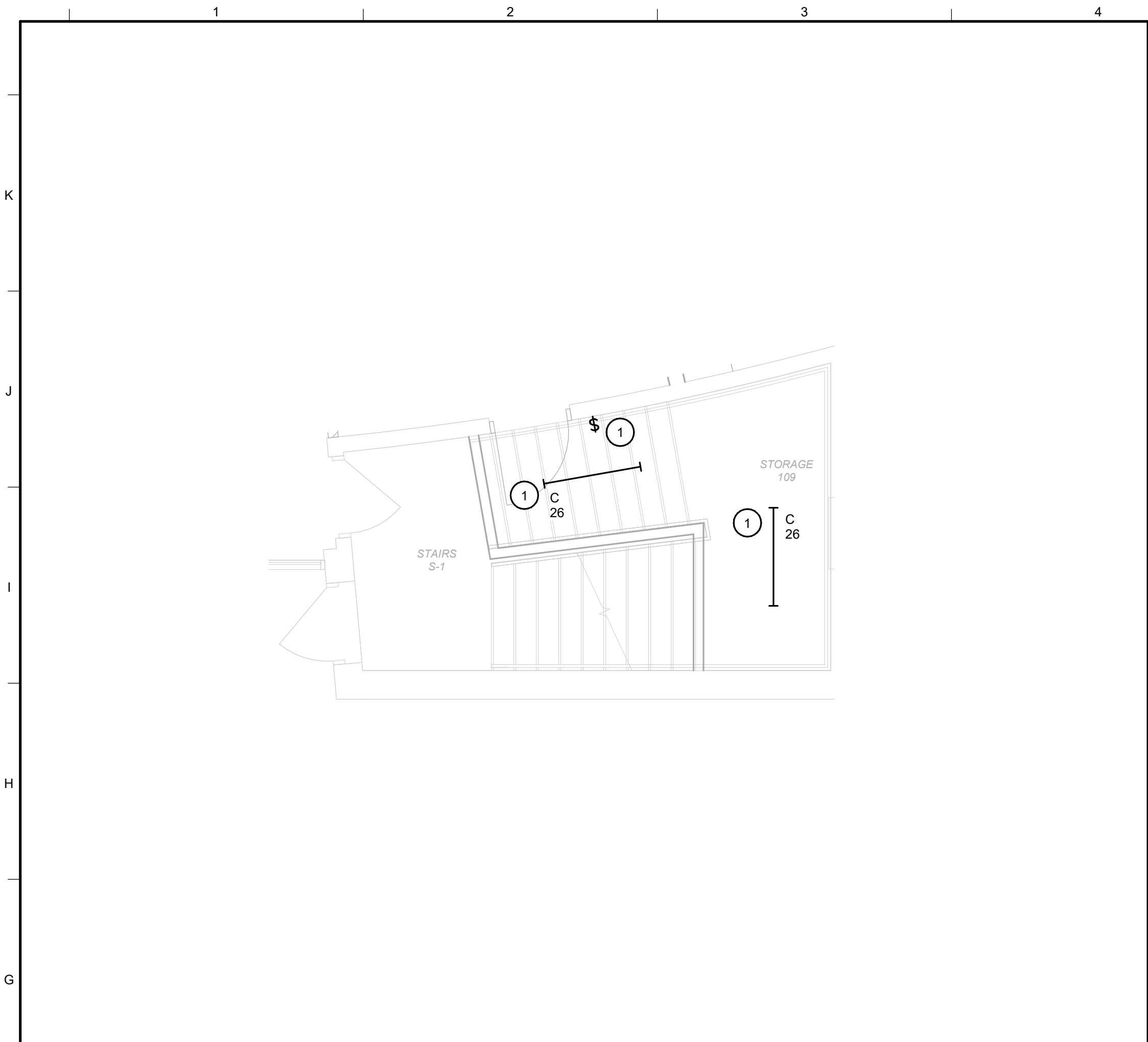
EXISTING PANELBOARD A1R1B																																								
VOLTAGE: 208/120V					CONNECTED LOAD PER PHASE					ISOLATED GROUND BUS (Y/N):					N																									
PHASE / WIRE: 3Ø / 4W										BUSSING:					SEE SPEC																									
RATED AMPERAGE: 225 A					A		B		C		MOUNTING:					SURFACE																								
MAIN: 225 A MLO					3160 VA					4800 VA					4600 VA					MCB GROUND FAULT PROTECTION (Y/N):					N															
SCC RATING (SYM):																				26 A					42 A					40 A					MCB SHUNT TRIP (Y/N):					N
																																			MCB 100% RATED (Y/N):					N
CKT	IDENTIFICATION		TYPE (*)	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION		CKT																							
1	EXISTING LOAD			20 A	1	Ø	Ø					1	20 A		EXISTING LOAD		2																							
3	EXISTING LOAD			20 A	1			Ø	Ø			1	20 A		EXISTING LOAD		4																							
5	EXISTING LOAD			20 A	1					Ø	Ø	1	20 A		EXISTING LOAD		6																							
7	EXISTING LOAD			20 A	1	Ø	Ø					1	20 A		EXISTING LOAD		8																							
9	EXISTING LOAD			20 A	1			Ø	1800			1	20 A		HAND DRYER		10																							
11	MICROWAVE			20 A	1					1800	1800	1	20 A		RCPT - CUST. SERVICE 108		12																							
13	MICROWAVE			20 A	1	1800	360					1	20 A		MONITOR		14																							
15	RCPT - CSR 105			20 A	1				1800	1200		1	15 A		CF-1		16																							
17	WATER DISPENSER			20 A	1						1000	Ø	---	---	SPACE		18																							
19	ICE MAKER			20 A	1	1000	Ø					---	---	---	SPACE		20																							
21	SPACE		---	---	---			Ø	Ø			---	---	---	SPACE		22																							
23	SPACE		---	---	---					Ø	Ø	---	---	---	SPACE		24																							
25	SPACE		---	---	---	Ø	Ø					---	---	---	SPACE		26																							
27	SPACE		---	---	---			Ø	Ø			---	---	---	SPACE		28																							
29	SPACE		---	---	---					Ø	Ø	---	---	---	SPACE		30																							
Load Classification						Connected Load		Demand Factor		Demand Load		PANEL TOTALS																												
Motor						1200 VA		125.00%		1500 VA																														
Receptacle						9560 VA		100.00%		9560 VA		TOTAL CONNECTED LOAD:				12560 VA																								
Other Non-Continuous Load						1800 VA		100.00%		1800 VA		TOTAL DEMAND:				12860 VA																								
												TOTAL CONNECTED CURRENT:				35 A																								
												TOTAL DEMAND CURRENT:				36 A																								
NOTES:																																								
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED																																								
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSI/G.																																								

EXISTING PANELBOARD A1R1															
VOLTAGE: 208/120V PHASE / WIRE: 3Ø / 4W RATED AMPERAGE: 225 A MAIN: 225 A MLO SCC RATING (SYM):					CONNECTED LOAD PER PHASE A 118 A B 98 A C 88 A					ISOLATED GROUND BUS (Y/N): N BUSSING: SEE SPEC MOUNTING: SURFACE MCB GROUND FAULT PROTECTION (Y/N): N MCB SHUNT TRIP (Y/N): N MCB 100% RATED (Y/N): N					
CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT
1	RCPT – VENDING MACHINE		20 A	1	1000	1520					1	20 A		RCPT – OFFICE, TOILETS	2
3	RCPT – VENDING MACHINE		20 A	1				1000	1200		1	20 A		RCPT – OFFICE, LOUNGE	4
5	RCPT – VENDING MACHINE		20 A	1						1000	1800	1	20 A	RCPT - BREAK ROOM KITCHEN	6
7	RCPT – VENDING MACHINE		20 A	1	1000	1800						1	20 A	RCPT - BREAK ROOM KITCHEN	8
9	RCPT – VENDING MACHINE		20 A	1				1000	1000			1	20 A	REFRIGERATOR - BREAK RM	10
11	RCPT – VENDING, LOBBY		20 A	1						1000	1900	1	20 A	HAND DRYER	12
13	HAND DRYER		20 A	1	1900	1900						1	20 A	HAND DRYER	14
15	HAND DRYER		20 A	1				1900	1200			1	20 A	RCPT – EQPT EXT, JAN, TOILET	16
17	EWG'S		20 A	1						1440	400	1	20 A	RCPT – STORAGE, EXT	18
19	VAV BOX POWER		20 A	1	700	500						1	20 A	RCPT – TTB	20
21	FACP		20 A	1				500	300			1	20 A	RCPT/LTG – ELEV PIT	22
23	RCPT – OFFICE		20 A	1						180					24
25	RCPT – BUS TERMINAL		20 A	1	1200	276						1	20 A	EAF-1	26
27	PRESSURE PUMP		20 A	1				750	1167			1	20 A	RCPT – SENSORS	28
29	RCPT – OFFICE		20 A	1						180	500	1	20 A	DOOR POWER	30
31	RCPT – OFFICE		20 A	1	540	500						1	20 A	ELEVATOR CAB LTG	32
33	CAM MONITOR		20 A	1				0	500			1	20 A	DOOR POWER	34
35	OFFICE DOUBLE RECEPT		20 A	1						0	1000	1	20 A	EXISTING LOAD – UNKNOWN	36
37	CAM BOARD		20 A	1	0	1100		0							38
39	CAM BOARD		20 A	1				0	1100						40
41	OFFICE RECEPT		20 A	1					0	1100					42
Load Classification					Connected Load		Demand Factor		Demand Load		PANEL TOTALS				
Motor					1026 VA		118.27%		1214 VA						
Receptacle					19260 VA		75.96%		14630 VA		TOTAL CONNECTED LOAD: 36053 VA				
Other Non-Continuous Load					15767 VA		100.00%		15767 VA		TOTAL DEMAND: 31610 VA				
											TOTAL CONNECTED CURRENT: 100 A				
											TOTAL DEMAND CURRENT: 88 A				
NOTES:															
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED															
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSI/G.															

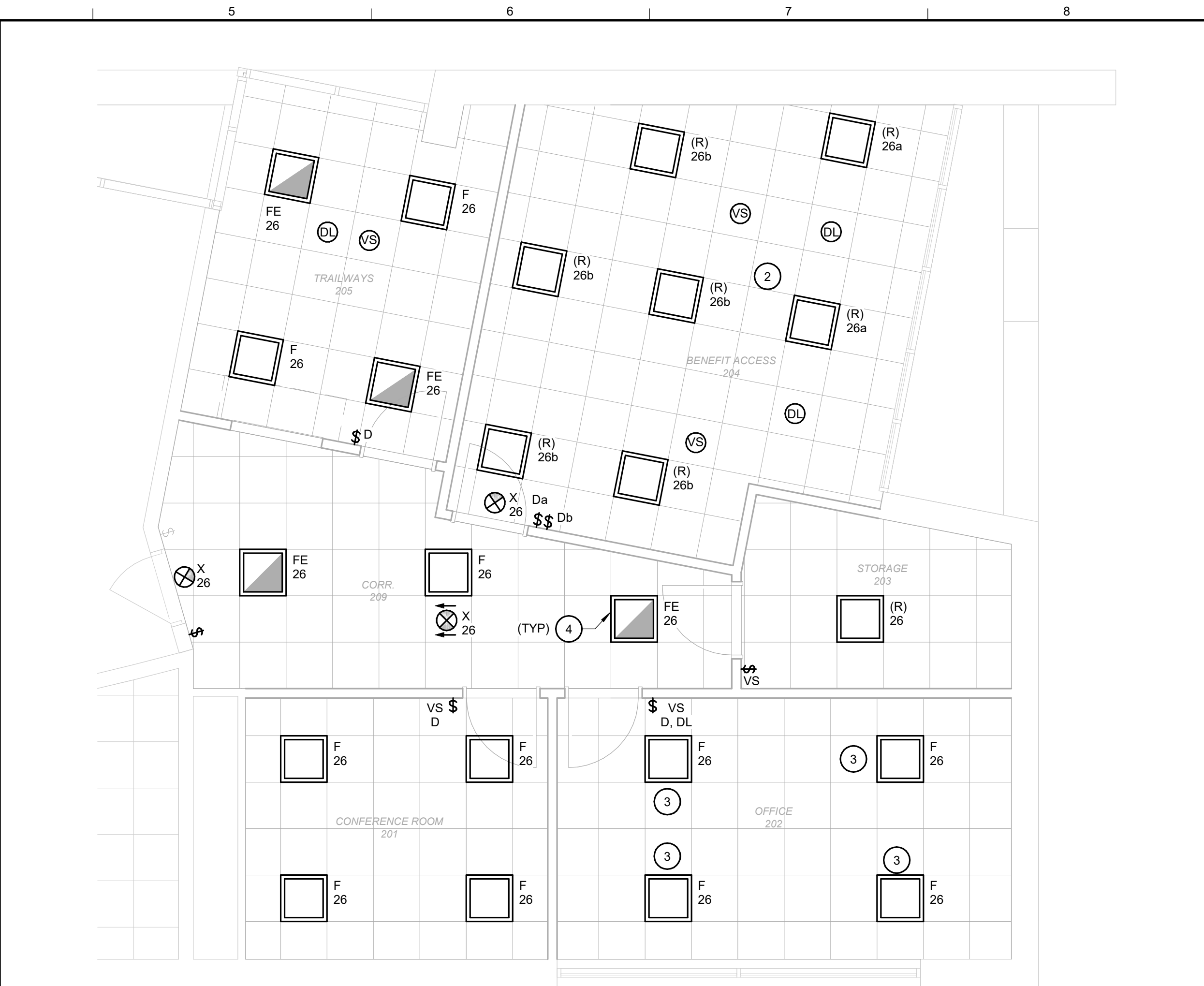
EXISTING PANELBOARD A2R1																													
VOLTAGE: 208/120V PHASE / WIRE: 3Ø / 4W RATED AMPERAGE: 225 A MAIN: 150 A MCB SCC RATING (SYM):					CONNECTED LOAD PER PHASE A 3700 VA 31 A					B 4780 VA 41 A					C 6180 VA 53 A					ISOLATED GROUND BUS (Y/N): BUSSING: MOUNTING: MCB GROUND FAULT PROTECTION (Y/N): MCB SHUNT TRIP (Y/N): MCB 100% RATED (Y/N):					N SEE SPEC SURFACE N N N				
CKT	IDENTIFICATION		TYPE (*)	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION		CKT												
1	LIGHTING ARRESTOR			30 A	3	400	400					1	20 A		BUILDING SIGN NORTH		2												
3								400	200			1	20 A		RCPT - FUTURE OFFICE		4												
5										400	400	1	20 A		RCPT - FUTURE OFFICE		6												
7	SPARE			20 A	1	0	200					1	20 A		RCPT - FUTURE OFFICE		8												
9	RCPT - CORRIDOR			20 A	1			800	400			1	20 A		RCPT - FUTURE OFFICE		10												
11	RCPT - MECH BOILER			20 A	1					600	600	1	20 A		SIGN LIGHTING		12												
13	RCPT - BUS TERMINAL			20 A	1	600	0					1	20 A		SPARE		14												
15	RCPT - BUS TERMINAL			20 A	1			600	600			1	20 A		VAV POWER		16												
17	RCPT - BUS TERMINAL			20 A	1					600	600	1	20 A		VAV FUTURE OFFICE		18												
19	CP-1			20 A	1	500	500										20												
21	TIME CLOCKS - BOILER			20 A	1			600	500								22												
23	BOILER			20 A	1					500	500				DUMP STATION		24												
25																	26												
27	UPS			60 A	2	500	600					1	20 A		HEATING COOLING PANEL		28												
29	RCPT - CONF 201, OFFICE 202			20 A	1					1080	900	1	20 A		RCPT - TRAILWAYS 205		30												
29															RCPT - BENEFIT ACCESS 204		30												
Load Classification					Connected Load	Demand Factor	Demand Load		PANEL TOTALS																				
Motor					500 VA	125.00%	625 VA																						
HVAC					1700 VA	100.00%	1700 VA		TOTAL CONNECTED LOAD: 14660 VA																				
Lighting - Continuous					600 VA	125.00%	750 VA		TOTAL DEMAND: 15485 VA																				
Receptacle					6560 VA	100.00%	6560 VA		TOTAL CONNECTED CURRENT: 41 A																				
Other Continuous Load					2200 VA	125.00%	2750 VA		TOTAL DEMAND CURRENT: 43 A																				
Other Non-Continuous Load					3100 VA	100.00%	3100 VA																						
NOTES:																													
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LUMINAIRE SCHEDULE									
TYPE	MANUFACTURER	CATALOG NUMBER	LAMP DESCRIPTION	VOLTAGE	LOAD (VA)	FINISH	MOUNTING	DESCRIPTION	
(R)	EXISTING RELOCATED LUMINAIRE DAY-BRITE/SIGNIFY (FORMERLY PHILIPS)	2EVG30L840-2-D-UNV-DIM	LED	277 V	25	WHITE	RECESSED	2X2 LED CENTER CHANNEL	
A	COLUMBIA LITHONIA METALUX	CFP-2X2-3340-HE CPANL 2X2 33LM 40K M2 22FP3240C	LED	277 V	26	WHITE	RECESSED	SIDE LIT LED 2X2 FLAT LENS	
AE	COLUMBIA LITHONIA METALUX	CFP-2X2-3340-HE/PLD10M CPANL 2X2 33LM 40K M2/PS1055CP 22FP3240C-EL14W	LED	277 V	26	WHITE	RECESSED	SIDE LIT LED 2X2 FLAT LENS EM	
B	KURTZON KENALL FAIL SAFE	VL-PBD-4-8-DLM15-840-UNV-SR-WT-TPWHT-.25LEX HADL6 FF PAFW 22L 40K8 M CS 9 / RIG6 DY DIM1 FLD6BX1500D010FEU6B1/28040F6LBM2LJBL86	LED	277 V	23	WHITE	RECESSED	VANDAL RESISTANT RECESSED DOWNLIGHT	
C	LITHONIA COOPER COLUMBIA	ZL1D L48 5000LM FST MVOLT 35K 80CRJPLR22WHHC36 4SNLED/LD4/46SL/LN/UNV/CD1/L1835 LCL4-35ML-EDU-AYC CHAIN/SET-48-U	LED	277 V	40	WHITE	CHAIN	INDUSTRIAL LED LUMINAIRE, CHAIN HUNG	
D	ACUITY COOPER ELITE	6RLS SLD612830WHUNVLJB 6RL6701000L-DIMTR-30K-90-W-RL670RTWH	LED	277 V	15	WHITE	SURFACE	JUNCTION BOX MOUTED CAN TRIM RING	
EM	COOPER COMPASS EXITRONIX	APEL CU2 LED95 WH	LED	277 V	-	WHITE	WALL	EMERGENCY LIGHTING UNIT WITH MAINTENANCE FREE NICKEL CADMIUM BATTERY AND LED LAMPS	
F	LITHONIA METALUX COLUMBIA	2RTL33LD38LP840NX 2AC-LD438-UNV-L840-CDI-U TCAT22-35MLG-EDU	LED	277 V	40	WHITE	RECESSED	2X2 VOLUMETRIC TROFFER	
FE	LITHONIA METALUX COLUMBIA	2RTL33LD38LP840NX W/EM 2AC-LD438-UNV-L840-CDI-U-W/EM TCAT22-35MLG-EDU-ELL14	LED	277 V	40	WHITE	RECESSED	2X2 VOLUMETRIC TROFFER WITH EMERGENCY BACKUP	
X	COMPASS LITHONIA SURELITES	CER EXR LED EL APX7R	LED	277 V	-	WHITE	UNIVERSAL	LED, EM EXIT	
NOTES:	A. REMOVE ALL FINGER PRINTS FROM LENSES, REFLECTORS, AND LOUVERS FOLLOWING LIGHT FIXTURE INSTALLATION. B. PROVIDE ALL HOLLOW POLES WITH VIBRATION DAMPERS BY THE FACTORY.								

EQUIPMENT DATA SCHEDULE																			
DESCRIPTION					LOAD DATA			STARTER						DISCONNECT AT EQUIP.				WIRE & CONDUIT	REMARKS
MARK	EQUIPMENT	FURNISHED BY	INSTALLED BY	LOCATION	LOAD	VOLTAGE	PHASE	TYPE	NEMA SIZE	DISC. TYPE	DISC. SIZE	FURNISHED BY	INSTALLED BY	CONTROL WIRING	DISC. TYPE	DISC. SIZE	FURNISHED BY		
CF 1	CEILING FAN	MC	MC	LOBBY 110	10 FLA	120	1	PWC	-	-	-	VND	VND	TCC	SW	20	EC	EC	2#12, 1#12G, 3/4" C
EAF 1	EXHAUST FAN	MC	MC	MEN'S RESTROOM 116	2.3 FLA	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4" C
EQUIPMENT DATA NOTES:																			
REMARKS:																			
1. INSTALL DISCONNECT SWITCH ON THE SIDE OF THE EQUIPMENT HOUSING.																			
2. PROVIDE DISCONNECT LOCKABLE IN ACCORDANCE WITH NEC 110.25.																			



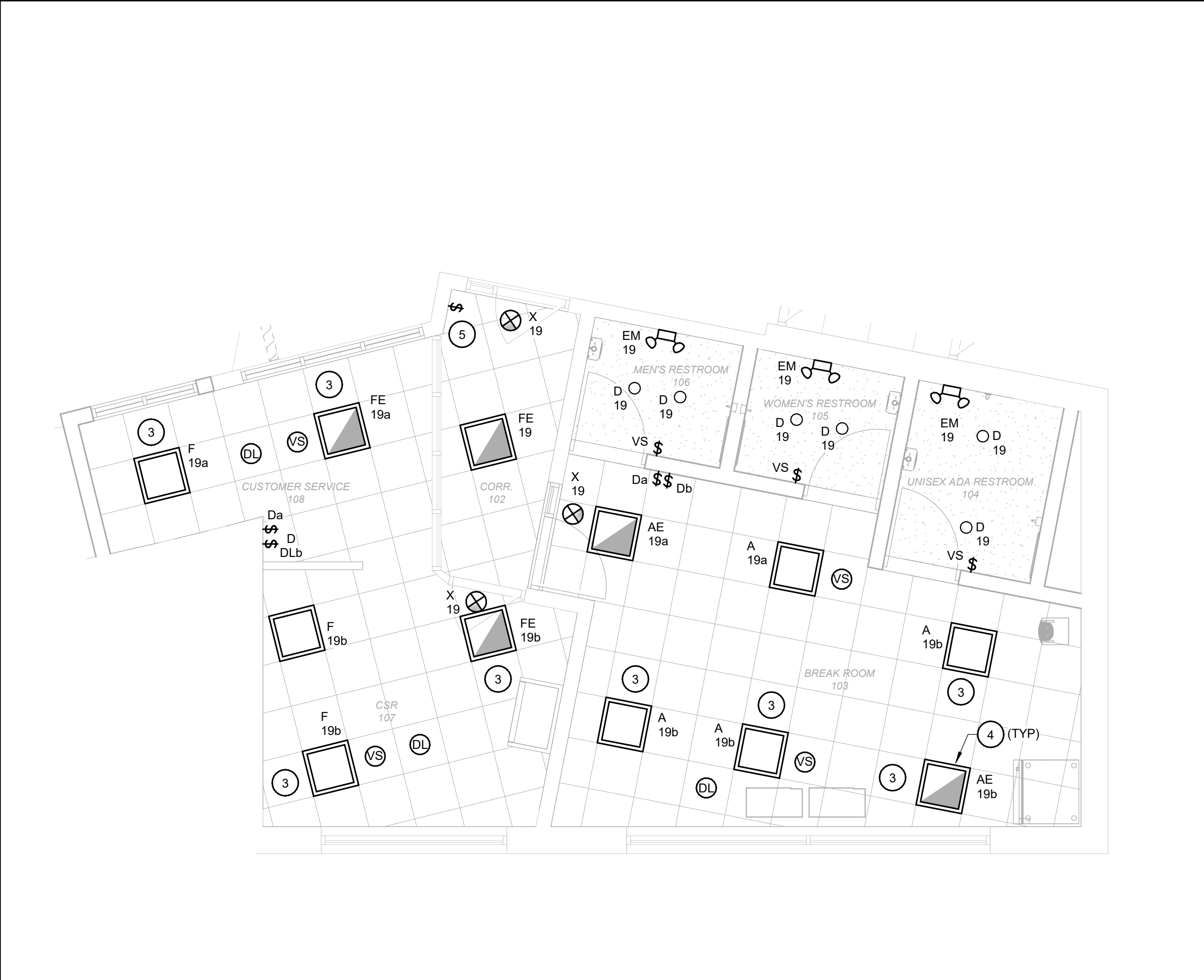
4 FIRST FLOOR ENLARGED PLAN
Scale: 1/4" = 1'-0"



2 SECOND FLOOR ENLARGED PLAN
Scale: 1/4" = 1'-0"



3 FIRST FLOOR ENLARGED PLAN
Scale: 1/4" = 1'-0"



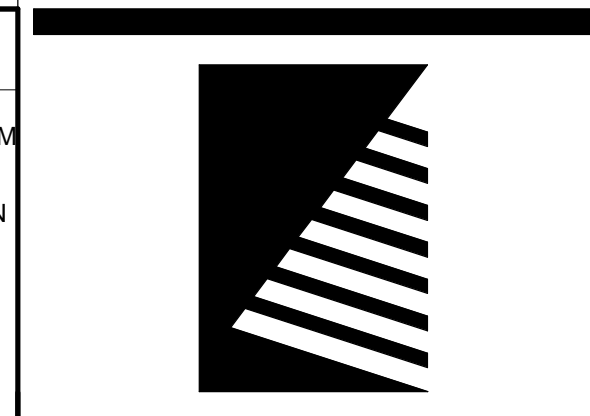
1 FIRST FLOOR ENLARGED PLAN
Scale: 1/4" = 1'-0"

GENERAL NOTES

- A. CIRCUIT NUMBERS ARE TAKEN FROM EXISTING DRAWINGS, CONTRACTOR TO CONFIRM AND MAKE ACCURATE RECORD DOCUMENTS.
- B. ALL LIGHTING CIRCUITS ARE FROM PANEL 'A2L1' VIA LIGHTING RELAY PANEL, BOTH ON SECOND FLOOR, UNLESS OTHERWISE NOTED.
- C. 'R#' ADJACENT TO LUMINAIRE INDICATES RELAY NUMBER.
- D. LIGHTING SYSTEM CONTROLS ARE DIAGRAMMATIC AND ARE GENERIC. SUCCESSFUL LIGHTING CONTROL SYSTEM VENDOR SHALL THOROUGHLY EXAMINE PLANS AND SHALL PROVIDE CONTRACTOR WITH DETAILED LAYOUT DRAWINGS AND BILL OF MATERIALS TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM WITHOUT REQUESTS FOR ADDITIONAL MONETARY COMPENSATION FOR "MISSING" COMPONENTS.

KEYNOTES #

- 1 LOCATED UNDER STAIR FOR NEW STORAGE ROOM.
- 2 ALL LUMINAIRES IN THIS ROOM ARE CONTROLLED BY DAYLIGHT SENSOR.
- 3 THIS LUMINAIRE CONTROLLED BY DAYLIGHT SENSOR.
- 4 PROVIDE ADDITIONAL UNSWITCHED "HOT" WIRE TO THE BATTERY PACK IN THE LUMINAIRE.
- 5 MASTER SWITCH ON FOR ROOMS 102, 107 AND 108. DIMMERS IN 107 AND 108 TO LOWER THE LIGHT LEVEL BELOW THE DAY LIGHT SENSOR LEVEL.



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Engineers | Architects | Surveyors | Scientists

ISSUE:
DATE: DESCRIPTION:

Bid Set
05/28/2019

PROJECT:
Greater Peoria Mass Transit District

CityLink Transit
Center Renovation

407 SW Adams Street
Peoria, Illinois 61602

DATE: 05/28/2019
DESIGNED: JDE
DRAWN: FGI
REVIEWED: TLA

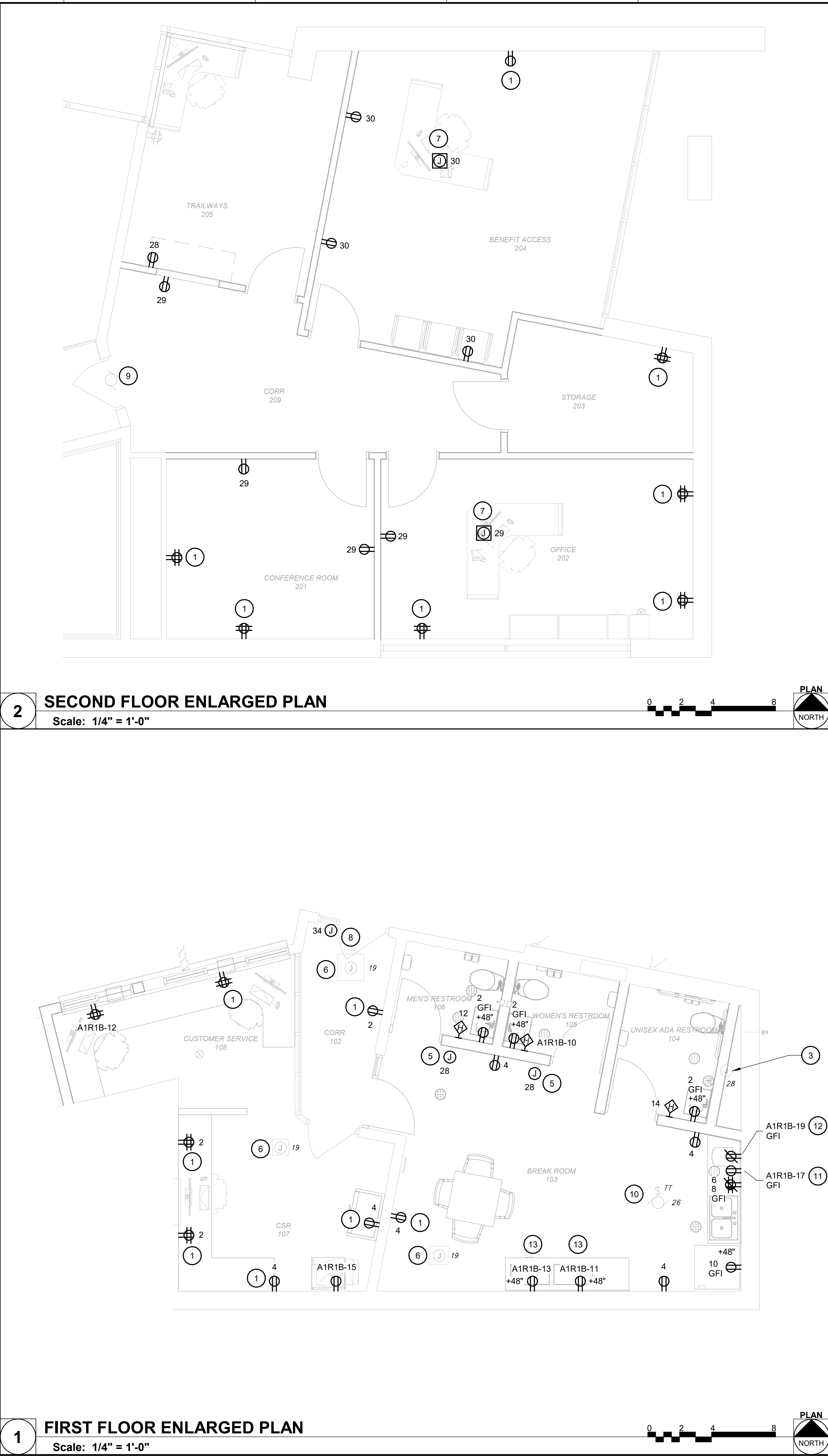
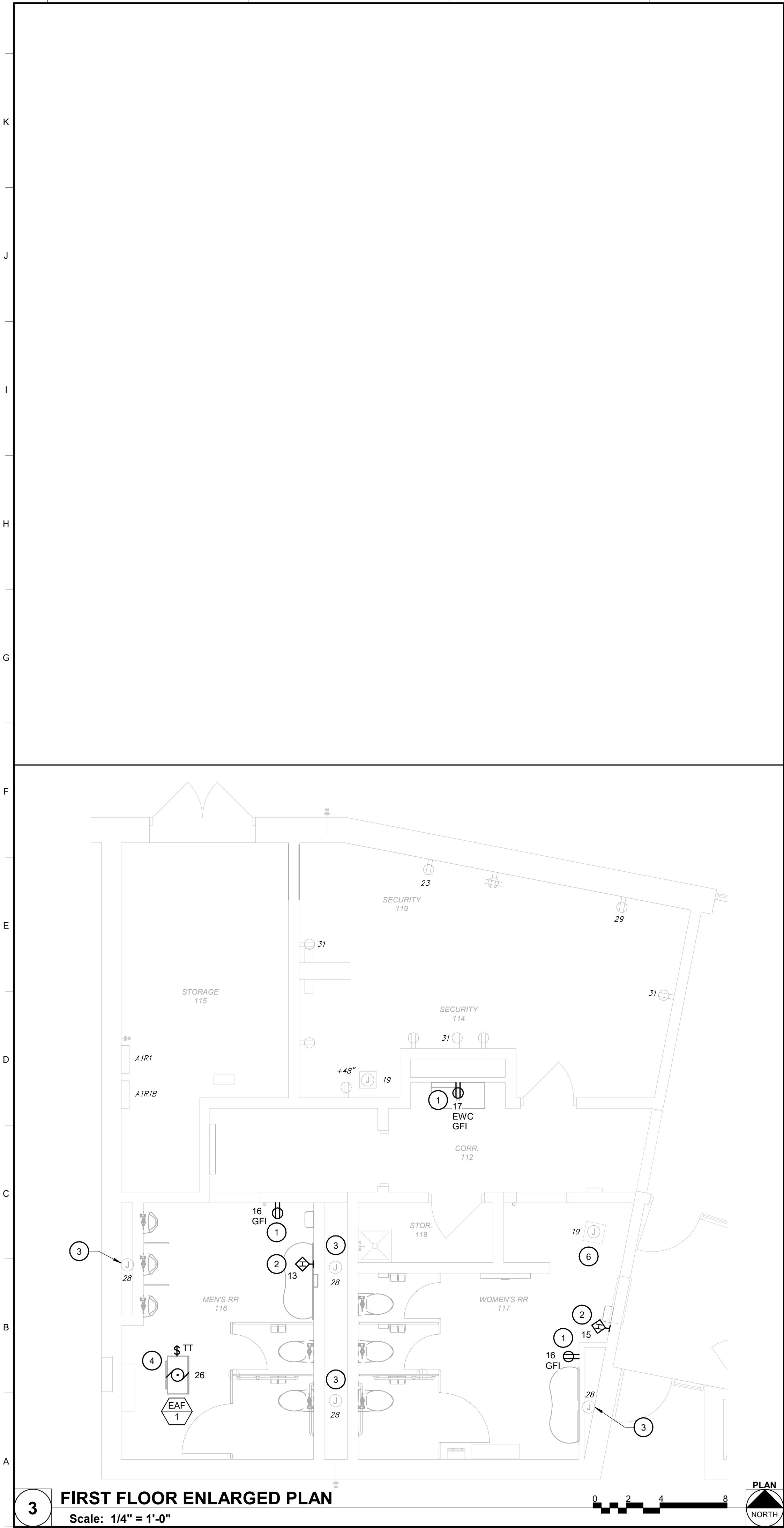
SHEET TITLE:
ENLARGED LIGHTING
PLANS

SHEET NUMBER:

E6.1

PROJECT NO.: 0180459.04

5/24/2019 7:59:05 AM



GENERAL NOTES

A. CIRCUIT NUMBERS ARE NOT SHOWN ON EXISTING DRAWINGS, CONTRACTOR TO CONFIRM AND MAKE ACCURATE RECORD DOCUMENTS.

B. ALL CIRCUITS ON FIRST FLOOR ARE FROM PANEL 'A1R1', UNLESS OTHERWISE NOTED.

C. ALL CIRCUITS ON SECOND FLOOR ARE FROM PANEL 'A2R1'.

KEYNOTES

1 EXISTING DEVICE LOCATION, REMOVE AND REPLACE WITH NEW DEVICE. UTILIZE EXISTING CIRCUITRY.

2 EXISTING HAND DRYER LOCATION. CONNECT NEW UNIT.

3 EXISTING POWER CONNECTION TO FLUSH VALVE. WIRE NEW UNITS AS REQUIRED.

4 EXISTING EXHAUST FAN LOCATION. CONNECT NEW UNIT.

5 NEW POWER CONNECTION FOR FLUSH VALVES LOCATED ABOVE DROP CEILING, COORDINATE WITH OTHER TRADES.

6 EXISTING POWERED VAV BOX, TO REMAIN.

7 COMBINATION POWER/DATA LEGRAND POKE THROUGH DEVICE. MODEL 8ATCP2XX, COVER FINISH TO BE DETERMINED BY INTERIOR DESIGN PROFESSIONAL DURING SHOP DRAWING REVIEW. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO CORE DRILLING.

8 EXISTING POWER SUPPLY FOR ELECTRIC STRIKE, COORDINATE RELOCATION WITH OWNERS SECURITY SUPPLIER.

9 EXISTING MOTOR OPERATED DOOR TO REMAIN.

10 EXISTING EXHAUST FAN TO REMAIN.

11 ICE MAKER BELOW COUNTER.

12 WATER DISPENSER ABOVE COUNTER.

13 MICROWAVE OVEN ON ISLAND.

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ISSUE:
DATE: DESCRIPTION:

Bid Set
05/28/2019

PROJECT:
Greater Peoria Mass Transit District

CityLink Transit Center Renovation

407 SW Adams Street
Peoria, Illinois 61602

DATE: 05/28/2019
DESIGNED: JDE
DRAWN: FGI
REVIEWED: TLA

SHEET TITLE:
ENLARGED POWER PLANS

SHEET NUMBER:
E6.2

PROJECT NO.: 0180459.04

