JUDICIARY EDUCATION AND CONFERENCE CENTER

ADMINISTRATIVE OFFICE OF THE COURTS 2011 COMMERCE PARK DRIVE ANNAPOLIS, MD 21401

GENERAL NOTES

- I. APPLICABLE CODES:
 - 2012 INTERNATIONAL EXISTING BUILDING CODE- LEVEL 2 ALTERATION 2012 INTERNATIONAL BUILDING CODE
- 2. ALL CONSTRUCTION ASSOCIATED WITH THIS PROJECT SHALL CONFORM TO THE ABOVE LISTED BUILDING CODES AS DICTATED AND INTERPRETED BY THE LOCAL AUTHORITY HAVING JURISDICTION. COMPLIANCE WITH THE BUILDING CODE REQUIREMENTS IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR
- 3. ALL BUILDING COMPONENTS AND SYSTEMS SHALL BE INSTALLED AS DIRECTED BY THE LOCAL CODE OFFICIAL HAVING JURISDICTION.
- 4. THE METHOD OF CONSTRUCTION AND SEQUENCE OF OPERATIONS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL SUPPLY ANY NECESSARY BRACING, SHEETING AND SHORING TO PROPERLY BRACE THE STRUCTURE AGAINST WIND, DEAD AND LIVE LOADS UNTIL THE BUILDING IS COMPLETED ACCORDING TO THE PLANS AND SPECIFICATIONS.
- 5. DO NOT START CONSTRUCTION UNTIL ALL REQUIRED PERMIT APPROVALS ARE OBTAINED.
- 6. VISIT THE SITE PRIOR TO CONSTRUCTION TO VERIFY EXISTING CONDITIONS. THOROUGHLY EXAMINE AND BE FAMILIAR WITH THE DRAWINGS, DRAWING NOTES AND SPECIFICATIONS. FIELD VERIFY ALL DIMENSIONS PRIOR TO ORDERING MATERIALS. ANY AND ALL DISCREPANCIES AND CONFLICTS BETWEEN EXISTING CONDITIONS AND THESE DOCUMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND OWNER.
- 7. DO NOT SCALE THE DRAWINGS FOR ANY PURPOSE. CONTACT THE ARCHITECT IF ADDITIONAL DIMENSIONS ARE NEEDED.
- 8. FURNISH AND INSTALL ALL ITEMS SHOWN OR IMPLIED ON THE DRAWINGS UNLESS OTHERWISE NOTED.
- 9. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL BUILDING TRADES ASSOCIATED WITH THE WORK OUTLINED IN THESE DOCUMENTS. PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR SHALL BRING TO THE ATTENTION OF THE OWNER AND ARCHITECT ALL CONFLICTS AS THEY RELATE TO BUILDING TRADES AND SUB-CONTRACTORS FOR RESOLUTION.
- IO. MAINTAIN THE CONSTRUCTION SITE IN A CLEAN AND ORDERLY MANNER.
- II. DIMENSIONS SHOWN ON THE DRAWINGS ARE FROM FINISH FACE OF PARTITION UNLESS OTHERWISE NOTED.

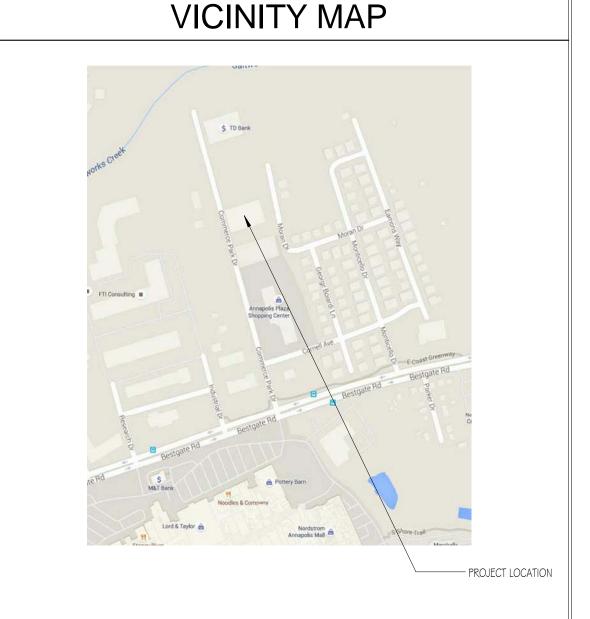
I 2. INFORMATION CONTAINED IN THESE DRAWINGS IS BASED ON LIMITED FIELD MEASUREMENTS AND MAY REQUIRE ADJUSTMENTS OR MODIFICATIONS TO CONFORM WITH EXISTING CONDITIONS. IN CASES WHERE CHANGES IN DETAIL ARE NECESSARY, THESE DRAWINGS SHALL BE USED TO SHOW DESIGN INTENT ONLY. PERFORM WORK, SHOWN OR IMPLIED, THAT IS NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS OR IS CUSTOMARILY PERFORMED AS IF FULLY AND CORRECTLY SET FORTH AND DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.

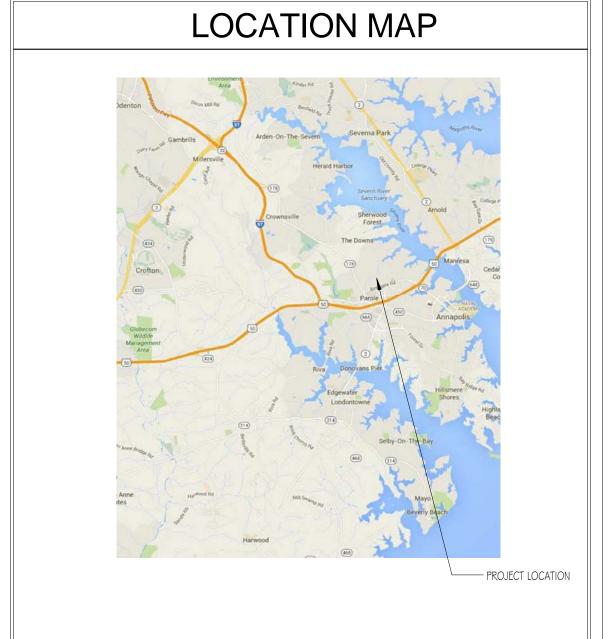
I 3.ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (IBC) OR EQUIVALENT ADOPTED BUILDING CODE. THE AUTHORITY HAVING JURISDICTION, AS DEFINED BY THE BUILDING CODE, SHALL MAKE ANY AND ALL FINAL DETERMINATION REGARDING COMPLIANCE WITH THE BUILDING CODE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COMPLETING ALL WORK TO SATISFY REQUIREMENTS OUTLINED BY THE PERMITING AUTHORITY AND SHALL CLOSE ALL PERMITS OPENED AS A RESULT OF THIS WORK.

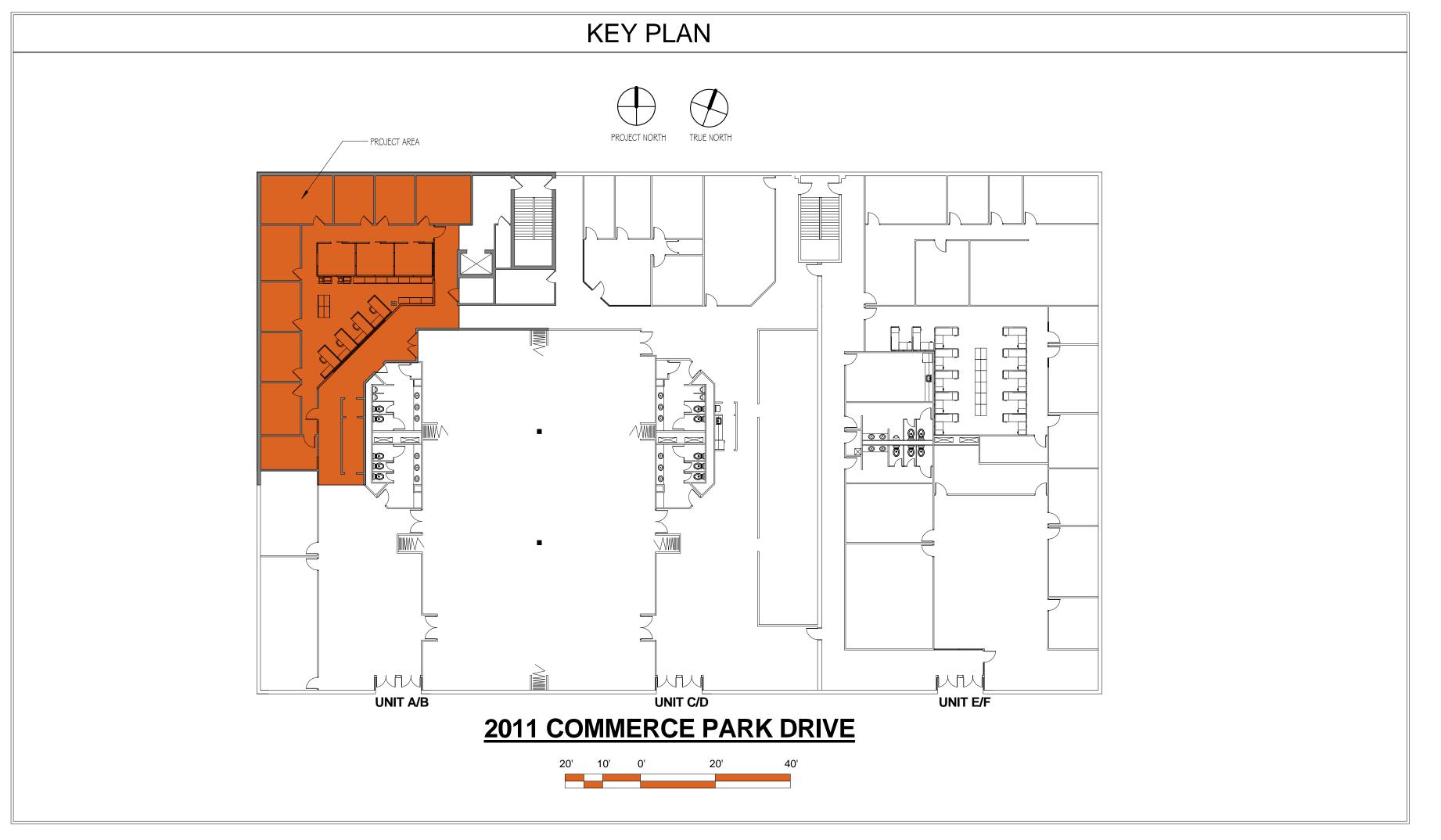
- 14. PROTECT EXISTING BUILDING ELEMENTS TO REMAIN FROM DEMOLITION AND CONSTRUCTION ACTIVITIES. PATCH AND REPAIR ALL DAMAGE RESULTING FROM CONSTRUCTION ACTIVITIES.
- I 5. FILL OPENINGS CREATED BY THE REMOVAL OF DUCTWORK, PIPING DEVICES, ETC. WITH MATERIAL EQUIVALENT TO THE ADJACENT CONSTRUCTION.
- I G. THE FACILITY IS SERVED BY AN AUTOMATIC SPRINKLER SYSTEM. THE AUTOMATIC SPRINKLER SYSTEM SHALL REMAIN FULLY OPERATIONAL IN ALL OCCUPIED AREAS AT ALL TIMES. SCHEDULE WORK THAT REQUIRES SHUT-DOWN OF THE SPRINKLER SYSTEM DURING TIMES WHEN THE FACILITY IS

| SYME | BOLS AND | ANNOTATIONS |
|------------|-------------------------|--|
| X xx.xx | Building Elevation | A NEW COLUMN GRID B EXISTING COLUMN GRID |
| X XX.XX | BUILDING SECTION | O1 KEYED NOTES |
| | ENLARGED PLAN OR DETAIL | PARTITION TYPE (SEE PARTITION SCHEDULE) NEW PARTITION MASONRY MATERIAL EXISTING PARTITION |
| | X XX.XX | DOOR TYPE (SEE DOOR SCHEDULE) NEW DOOR AND FRAME |
| X XXXX X | INTERIOR ELEVATION | NEW WINDOW WINDOW TYPE (SEE WINDOW SCHEDULE) |
| | | |

DRAWING INDEX COVER SHEET GO.02 LIFE SAFETY ARCHITECTURAL GENERAL CONDITIONS FLOOR PLANS CEILING PLANS A6.10 SCHEDULES MECHANICAL DATA SHEET-MECHANICAL M1.11 FLOOR PLANS- MECHANICAL EO.00 DATA SHEET- ELECTRICAL FLOOR PLANS- ELECTRICAL FLOOR PLANS- LIGHTING E2.00 POWER RISER AND SCHEDULES









JECC RENOVATION

WARYLAND JUDICIARY

MARYLAND JUDICIARY

MARYLAND JA01

State of Maryland

Incense Number: 00 | 4484

Expiration Date: 2/3/18

drawing date 05/16/16 revision date

date description

MARYLAND JUDICIARY

project description JECC RENOVATION

As indicated drawn by WMC

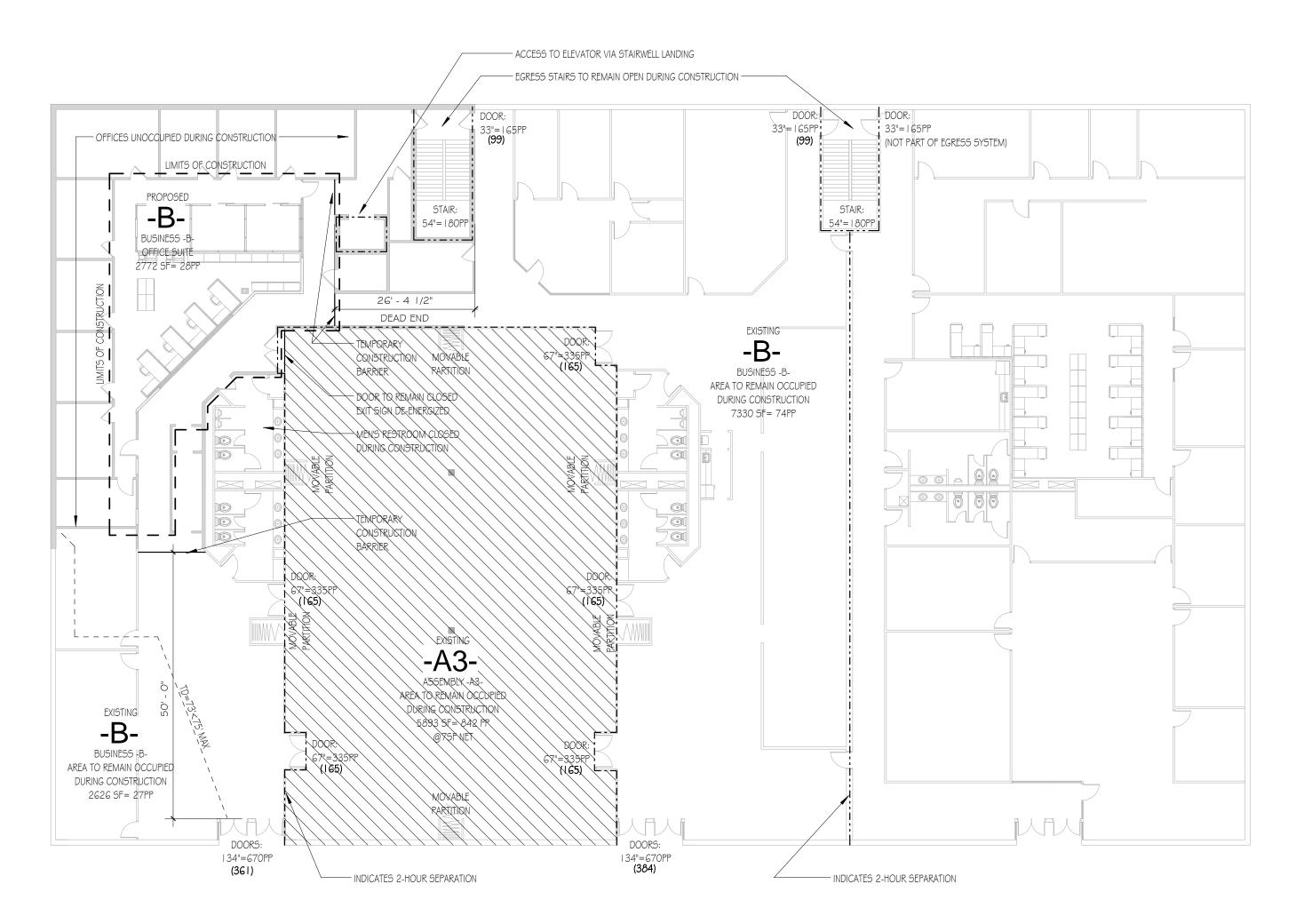
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contractor

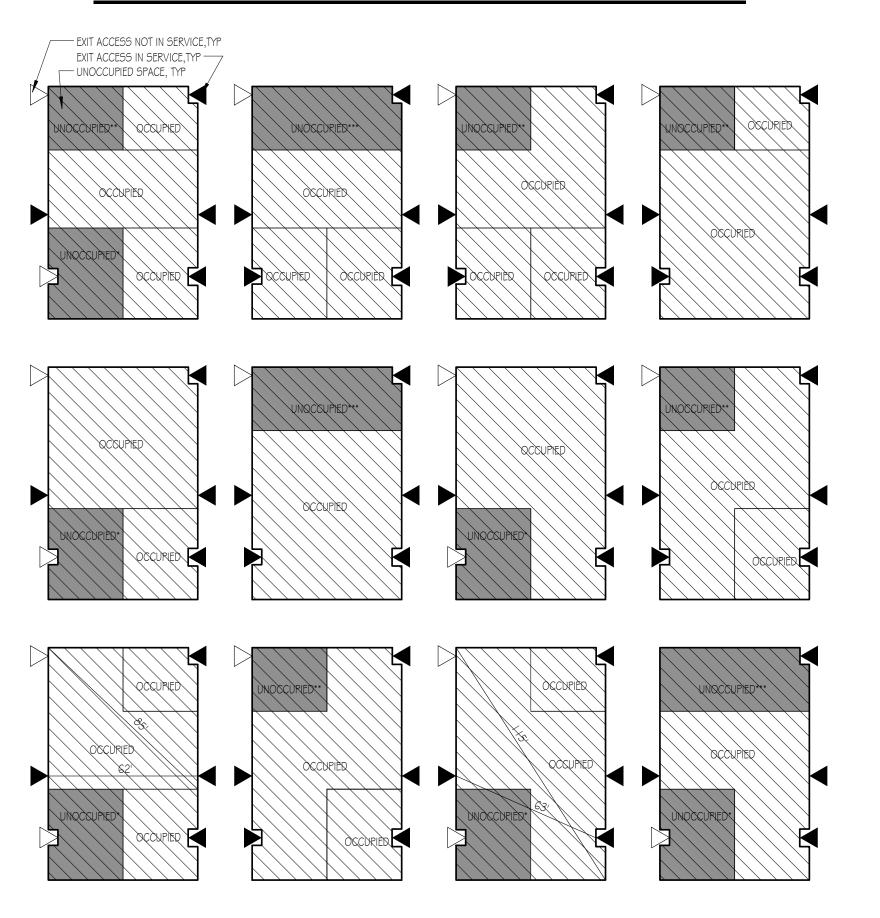
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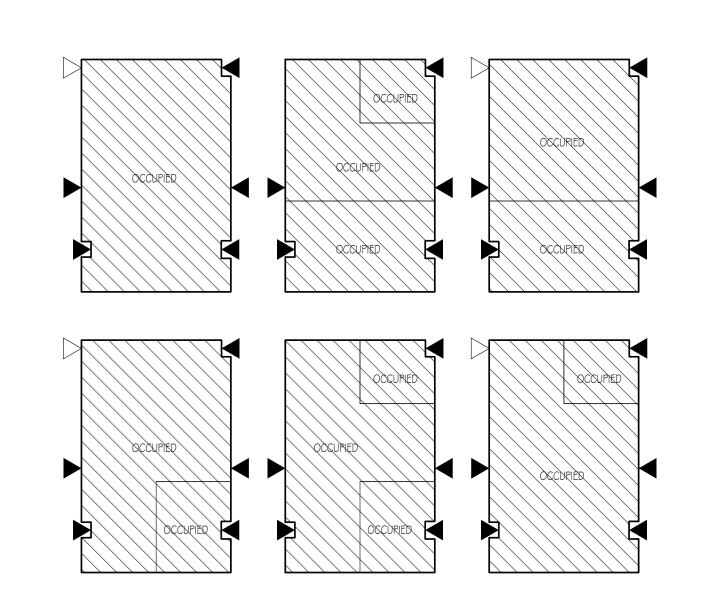
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PARTIALLY OCCUPIED CONFIGURATIONS



FULLY OCCUPIED CONFIGURATIONS



INTERIM LIFE SAFETY PLAN NARRATIVE

THE PROJECT IS A MINOR ALTERATION TO AN EXISTING OCCUPIED TRAINING, SEMINAR AND LECTURE HALL. NONE OF THE PROPOSED RENOVATIONS WILL AFFECT THE ASSEMBLY SPACES. NONE OF THE PROPOSED CONSTRUCTION AREAS WILL BE OCCUPIED DURING CONSTRUCTION. THE AUTOMATIC SPRINKLER SYSTEM WILL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION. EXISTING EGRESS COMPONENTS ARE SIZED TO ACCOMMODATE REDUNDANT LOADS AND THE PROPOSED CONSTRUCTION ELIMINATES ONE OF G EGRESS ACCESS POINTS WITHIN THE ASSEMBLY SPACE. THE ATTACHED INTERIM LIFE SAFETY PLAN ILLUSTRATES HOW THE ASSEMBLY FUNCTIONS WILL REMAIN OPERATIONAL DURING CONSTRUCTION.

THE ASSEMBLY SPACE UTILIZES A MOVABLE PARTITION SYSTEM. THE ASSEMBLY SPACE IS DESIGNED TO BE CONFIGURED INTO 1-5 INDIVIDUAL SPACES. THE DIAGRAMS BELOW INDICATE CONFIGURATIONS THAT MAY REMAIN OCCUPIED AND FUNCTIONAL DURING CONSTRUCTION. THERE ARE SEVERAL PARTITION CONFIGURATIONS THAT COMPROMISE THE INTERIM LIFE SAFETY PLAN IN INDIVIDUAL SPACES. AREAS SHADED IN GRAY INDICATE SPACES THAT CANNOT BE OCCUPIED. THIS PLAN SHALL BE MAINTAINED BY THE FACILITY MANAGER THROUGHOUT CONSTRUCTION AND NO SPACES INDICATED IN GRAY WILL BE OCCUPIED UNDER ANY CIRCUMSTANCES.

*OCCUPANT LOAD EXCEEDS MAX FOR SPACES WITH ACCESS TO A SINGLE MEANS OF EGRESS

**NO MEANS OF EGRESS PROVIDED

***REQUIRED SECOND MEANS OF EGRESS NOT PROVIDED



JECC RENOVATION

ARYLAND JUDICIARY

I certify that these documents
were prepared or approved by me,
and that I am a duly licensed
architect under the laws of the
State of Maryland
License Number: 0014484
Expiration Date: 2/3/18

project number
16011
project description
JECC RENOVATION
scale
As indicated
drawn by
WMC
checked by
WMC

owner MARYLAND JUDICIARY contractor TBD

drawing date
05/16/16
revision date
date description

sheet title LIFE SAFETY

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A. WORK OF THIS PROJECT INCLUDES THE DEMOLITION AND RECONFIGURATION OF AN EXISTING OFFICE, LOCATED AT 2011 COMMERCE PARK DRIVE, ANNAPOLIS, MARYLAND.

B. WORK INCLUDES GENERAL CONSTRUCTION ONLY.

C. THE PROJECT WILL BE CONSTRUCTED UNDER A SINGLE PRIME CONTRACT.

1.2 WORK SEQUENCE

A. CONSTRUCT WORK IN STAGES AS FOLLOWS TO ACCOMMODATE OWNER'S USE OF PREMISES DURING CONSTRUCTION PERIOD: I. PROTECT INTERIOR FINISHES, FURNITURE AND EQUIPMENT FROM CONSTRUCTION ACTIVITIES AT ALL TIMES. 2. INSTALL TEMPORARY CONSTRUCTION BARRIERS 3. COMPLY WITH THE INTERIM LIFE SAFETY PLANS

B. COORDINATE CONSTRUCTION SCHEDULE AND OPERATIONS WITH THE OWNER AND ARCHITECT.

C. SCHEDULE THE WORK TO ACCOMMODATE THIS REQUIREMENT.

1.3 OWNER OCCUPANCY

AND PUBLIC.

A. THE OWNER WILL OCCUPY THE SITE AND PREMISES DURING THE ENTIRE PERIOD OF CONSTRUCTION FOR CONDUCT OF NORMAL OPERATIONS.

B. COOPERATE WITH THE OWNER TO MINIMIZE CONFLICT, AND TO FACILITATE OWNER'S OPERATIONS.

C. SCHEDULE THE WORK TO ACCOMMODATE THIS REQUIREMENT.

I.4 CONTRACTOR'S USE OF SITE AND PREMISES

A. LIMIT USE OF SITE AND PREMISES TO ALLOW FOR: I. OWNER OCCUPANCY AND USE. 2. USE OF SITE AND ADJACENT PREMISES BY THE OCCUPANTS

B. MOVE ANY STORED PRODUCTS UNDER CONTRACTOR'S CONTROL THAT INTERFERE WITH THE OPERATIONS OF THE OWNER.

C. ASSUME FULL RESPONSIBILITY FOR PROTECTION AND SAFEKEEPING OF PRODUCTS UNDER THIS CONTRACT STORED ON SITE.

D. OBTAIN AND PAY FOR USE OF ANY ADDITIONAL STORAGE OR WORK AREAS NEEDED FOR OPERATIONS.

E. COORDINATE USE OF SITE AND PREMISES WITH THE OWNER: I. EMPLOYEE PARKING IS NOT PROVIDED ON SITE. 2. STORAGE AND STAGING AREAS LIMITED TO THE

CONSTRUCTION AREA. 3. USE OF BUILDING ELEVATOR IS PERMITTED. A. CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR DAMAGE AND REPAIR RESULTING FROM CONSTRUCTION USE OF THE ELEVATOR. B. PROVIDE TEMPORARY PROTECTION OF ELEVATOR CAB FINISHES. C. DO NOT EXCEED THE POSTED WEIGHT LIMITS OF

FI FVATOR D. ELEVATOR WILL REMAIN IN USE BY LOWER LEVEL OCCUPANTS.

F. BUILDING FIRE OR LIFE SAFETY SYSTEMS SHALL REMAIN OPERATIONAL AT

G. DO NOT CLOSE OR OBSTRUCT EXITS. REFER TO THE INTERIM LIFE SAFETY PLANS FOR MORE INFORMATION.

H. DO NOT PROP BUILDING ENTRY DOORS. MAINTAIN THE BUILDING IN A SECURE MANNER AT ALL TIMES.

I. DO NOT USE OR STORE HAZARDOUS OR FLAMMABLE MATERIALS ON

J. SMOKING IS PROHIBITED IN THE BUILDING.

K. TOILET FACILITIES ARE AVAILABLE ON THE PREMISES.

SECTION 012900-PAYMENT PROCEDURES

1.1 SCHEDULE OF VALUES

A. GENERAL:

I. SUBMIT A SCHEDULE OF VALUES TO ARCHITECT PRIOR TO SUBMITTING FIRST APPLICATION FOR PAYMENT. 2. UPON REQUEST OF ARCHITECT, FURNISH ADDITIONAL DATA TO SUPPORT VALUES GIVEN THAT WILL SUBSTANTIATE THEIR CORRECTNESS. 3. APPROVED SCHEDULE OF VALUES WILL BE USED AS BASIS FOR REVIEWING CONTRACTOR'S APPLICATIONS FOR PAYMENT.

B. FORM AND CONTENT:

FORMAT. 2. USE TABLE OF CONTENTS OF PROJECT MANUAL AS BASIS OF FORMAT FOR LISTING COSTS OF WORK. 3. LIST INSTALLED VALUE OF COMPONENT PARTS OF WORK IN SUFFICIENT DETAIL TO SERVE AS BASIS FOR COMPUTING VALUES FOR PROGRESS PAYMENTS. 4. INCLUDE SEPARATE LINE ITEMS FOR: A. SITE MOBILIZATION.

I. FORMAT: CONTRACTOR'S STANDARD ELECTRONIC MEDIA

B. BONDS AND INSURANCE. C. CONTRACTOR'S OVERHEAD AND PROFIT. D. RETAINAGE.

STORED MATERIALS, BREAK DOWN VALUE INTO: A. COST OF MATERIALS, DELIVERED AND UNLOADED. B. TOTAL INSTALLED VALUE. 6. FOR EACH LINE ITEM THAT HAS A VALUE OF MORE THAN \$25,000.00, BREAK DOWN COSTS TO LIST MAJOR PRODUCTS OR OPERATIONS UNDER EACH ITEM. 7. TOTAL OF COSTS LISTED IN SCHEDULE SHALL EQUAL CONTRACT

5. FOR ITEMS ON WHICH PAYMENT WILL BE REQUESTED FOR

C. SUBMIT ELECTRONICALLY IN ADOBE PDF FORMAT.

SECTION 012900-PAYMENT PROCEDURES

D. REVIEW AND RESUBMIT:

I. AFTER INITIAL REVIEW BY ARCHITECT, REVISE AND RESUBMIT IF 2. REVISE AND RESUBMIT ALONG WITH NEXT APPLICATION FOR PAYMENT WHEN A CHANGE ORDER IS ISSUED. LIST EACH CHANGE ORDER AS A NEW LINE ITEM.

1.2 APPLICATIONS FOR PAYMENT

A. PREPARATION:

I. CONTRACTOR'S STANDARD ELECTRONIC MEDIA FORMAT. 2. PREPARE REQUIRED INFORMATION IN ELECTRONIC MEDIA

3. USE DATA FROM REVIEWED SCHEDULE OF VALUES. PROVIDE DOLLAR VALUE IN EACH COLUMN FOR EACH LINE ITEM REPRESENTING PORTION OF WORK PERFORMED. 4. LIST EACH AUTHORIZED CHANGE ORDER AS A SEPARATE LINE ITEM, LISTING CHANGE ORDER NUMBER AND DOLLAR VALUE. 5. PREPARE APPLICATION FOR FINAL PAYMENT AS SPECIFIED IN SECTION 017700.

B. WAIVERS OF LIEN:

I. ALONG WITH THE EACH APPLICATION FOR PAYMENT, SUBMIT WAIVERS OF LIEN FROM CONTRACTOR AND EACH SUBCONTRACTOR OR SUB-SUBCONTRACTOR INCLUDED ON THE CURRENT MONTH'S APPLICATION FOR PAYMENT 2. SUBMIT PARTIAL WAIVERS ON EACH ITEM FOR AMOUNT REQUESTED, PRIOR TO DEDUCTION OF RETAINAGE.

C. SUBSTANTIATING DATA:

I. WHEN ARCHITECT REQUIRES SUBSTANTIATING INFORMATION, SUBMIT DATA JUSTIFYING DOLLAR AMOUNTS IN QUESTION. 2. PROVIDE ONE COPY OF DATA WITH COVER LETTER SHOWING APPLICATION NUMBER AND DATE, AND LINE ITEM NUMBER AND DESCRIPTION.

3. FOR COMPLETED ITEMS, SUBMIT FULL OR FINAL WAIVER.

D. SUBMITTAL:

I . SUBMIT ONE ELECTRONIC COPY IN ADOBE PDF FORMAT] OF EACH APPLICATION FOR PAYMENT. 2. PAYMENT PERIOD: SUBMIT AT INTERVALS STIPULATED IN OWNER/CONTRACTOR AGREEMENT.

C. SUBMIT ELECTRONICALLY IN ADOBE PDF FORMAT.

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D. SUBMITTAL:

I. SUBMIT ONE ELECTRONIC COPY IN ADOBE PDF FORMAT] OF EACH APPLICATION FOR PAYMENT. 2. PAYMENT PERIOD: SUBMIT AT INTERVALS STIPULATED IN OWNER/CONTRACTOR AGREEMENT.

SECTION 013300- SUBMITTAL PROCEDURES

1.1 SUBMITTAL PROCEDURES

A. NUMBER EACH SUBMITTAL WITH PROJECT MANUAL SECTION NUMBER AND A SEQUENTIAL NUMBER WITHIN EACH SECTION. NUMBER RESUBMITTALS WITH ORIGINAL NUMBER AND AN ALPHABETIC SUFFIX.

B. IDENTIFY PROJECT, CONTRACTOR, SUBCONTRACTOR OR SUPPLIER, PERTINENT DRAWING SHEET AND DETAIL NUMBERS, AND SPECIFICATION SECTION NUMBER, AS APPROPRIATE.

C. SUBMIT ALL SUBMITTALS LISTED UNDER "SUBMITTALS FOR REVIEW" PRIOR TO BEGINNING WORK.

D. ALL OTHER SUBMITTALS SHALL BE PROVIDED AS NEEDED PRIOR TO BEGINNING OF SPECIFIC TRADE WORK.

E. ARCHITECT WILL NOT REVIEW INCOMPLETE SUBMITTALS.

F. APPLY CONTRACTOR'S STAMP, SIGNED OR INITIALED CERTIFYING THAT: I . SUBMITTAL WAS REVIEWED. 2. PRODUCTS, FIELD DIMENSIONS, AND ADJACENT CONSTRUCTION HAVE BEEN VERIFIED. 3. INFORMATION HAS BEEN COORDINATED WITH REQUIREMENTS OF WORK AND CONTRACT DOCUMENTS.

G. SCHEDULE SUBMITTALS TO EXPEDITE THE PROJECT, AND DELIVER TO ARCHITECT. COORDINATE SUBMITTAL OF RELATED ITEMS.

H. PROVIDE SUBMITTALS IN DIGITAL FORMAT VIA EMAIL OR ARCHITECT'S SHARED DROPBOX FOLDER.

I. FOR EACH SUBMITTAL, ALLOW 14 DAYS FOR ARCHITECT'S REVIEW.

SECTION 013300- CONT'D

J. SUBMITTALS WILL BE RETURNED ELECTRONICALLY VIA EMAIL OR ARCHITECT'S SHARED DROPBOX FOLDER.

K. IDENTIFY VARIATIONS FROM CONTRACT DOCUMENTS AND PRODUCT OR SYSTEM LIMITATIONS THAT MAY BE DETRIMENTAL TO SUCCESSFUL PERFORMANCE OF COMPLETED WORK.

L. REVISE AND RESUBMIT SUBMITTALS WHEN REQUIRED; IDENTIFY ALL CHANGES MADE SINCE PREVIOUS SUBMITTAL.

M. DISTRIBUTE COPIES OF REVIEWED SUBMITTALS TO CONCERNED PARTIES AND TO PROJECT RECORD DOCUMENTS FILE. INSTRUCT PARTIES TO PROMPTLY REPORT ANY INABILITY TO COMPLY WITH PROVISIONS.

I .2 SUBMITTAL SCHEDULE

A. WITHIN 15 DAYS AFTER DATE OF NOTICE TO PROCEED, SUBMIT ALL SUBMITTALS PROPOSED FOR PROJECT, INCLUDING SUBMITTALS LISTED AS:

I. SUBMITTALS FOR REVIEW. 2. QUALITY CONTROL SUBMITTALS.

3. SHOP DRAWINGS 4. SAMPLES

PRODUCT DATA 6. QUALITY CONTROL 7. CLOSEOUT SUBMITTALS.

B. INCLUDE FOR EACH SUBMITTAL:

I. SPECIFICATION SECTION NUMBER. 2. DESCRIPTION OF SUBMITTAL.

3. TYPE OF SUBMITTAL.

C. ALL SUBMITTALS SHALL BE ELECTRONICALLY IN ADOBE PDF FORMAT.

1.3 QUALITY CONTROL SUBMITTALS

A. QUALITY CONTROL SUBMITTALS SPECIFIED IN SECTION 0 | 4000 ARE FOR INFORMATION AND DO NOT REQUIRE ARCHITECT'S RESPONSIVE ACTION EXCEPT TO REQUIRE RESUBMISSION OF INCOMPLETE OR INCORRECT INFORMATION.

SECTION 014000-QUALITY REQUIREMENTS

1.1 REFERENCES

A. FOR PRODUCTS OR WORKMANSHIP SPECIFIED BY REFERENCE TO ASSOCIATION, TRADE, OR INDUSTRY STANDARDS, COMPLY WITH REQUIREMENTS OF THE STANDARD, EXCEPT WHEN MORE RIGID REQUIREMENTS ARE SPECIFIED OR ARE REQUIRED BY APPLICABLE CODES.

B. SHOULD SPECIFIED REFERENCE STANDARDS CONFLICT WITH CONTRACT DOCUMENTS, REQUEST CLARIFICATION FROM ARCHITECT BEFORE PROCEEDING.

C. CONFORM TO EDITION OF REFERENCE STANDARD IN EFFECT AS OF DATE OF PROJECT MANUAL.

D. THE CONTRACTUAL RELATIONSHIP OF THE PARTIES TO THE CONTRACT SHALL NOT BE ALTERED FROM THE CONTRACT DOCUMENTS BY MENTION OR INFERENCE OTHERWISE IN ANY REFERENCE DOCUMENT.

1.2 QUALITY ASSURANCE AND CONTROL OF INSTALLATION

A. MONITOR QUALITY CONTROL OVER SUPPLIERS, MANUFACTURERS, PRODUCTS, SERVICES, SITE CONDITIONS, AND WORKMANSHIP, TO PRODUCE WORK OF SPECIFIED QUALITY.

B. COMPLY FULLY WITH MANUFACTURERS' INSTRUCTIONS, INCLUDING EACH STEP IN SEQUENCE.

C. SHOULD MANUFACTURERS' INSTRUCTIONS CONFLICT WITH CONTRACT DOCUMENTS, REQUEST CLARIFICATION FROM ARCHITECT BEFORE PROCEEDING.

D. COMPLY WITH SPECIFIED STANDARDS AS A MINIMUM QUALITY FOR THE WORK EXCEPT WHEN MORE STRINGENT TOLERANCES, CODES, OR SPECIFIED REQUIREMENTS INDICATE HIGHER STANDARDS OR MORE PRECISE WORKMANSHIP.

E. PERFORM WORK BY PERSONS QUALIFIED TO PRODUCE WORKMANSHIP OF SPECIFIED QUALITY.

F. SECURE PRODUCTS IN PLACE WITH POSITIVE ANCHORAGE DEVICES DESIGNED AND SIZED TO WITHSTAND STRESSES, VIBRATION, PHYSICAL DISTORTION OR

1.3 MANUFACTURERS' FIELD SERVICES AND REPORTS

A. WHEN SPECIFIED IN INDIVIDUAL SPECIFICATION SECTIONS, REQUIRE MATERIAL OR PRODUCT SUPPLIERS OR MANUFACTURERS TO PROVIDE QUALIFIED STAFF PERSONNEL TO OBSERVE SITE CONDITIONS, CONDITIONS OF SURFACES AND INSTALLATION, QUALITY OF WORKMANSHIP, OR STARTUP OF EQUIPMENT, AS APPLICABLE, AND TO INITIATE INSTRUCTIONS WHEN

B. INDIVIDUALS TO REPORT OBSERVATIONS AND SITE DECISIONS OR INSTRUCTIONS GIVEN TO APPLICATORS OR INSTALLERS THAT ARE SUPPLEMENTAL OR CONTRARY TO MANUFACTURERS' WRITTEN INSTRUCTIONS.

C. SUBMIT REPORT TO ARCHITECT WITHIN 5 DAYS OF OBSERVATION.

1.4 DESIGN DATA AND CALCULATIONS

A. WHEN SPECIFIED IN INDIVIDUAL SPECIFICATION SECTIONS, REQUIRE MATERIAL OR PRODUCT SUPPLIERS OR MANUFACTURERS TO PROVIDE DESIGN DATA AND CALCULATIONS.

B. ACCURACY OF DESIGN DATA AND CALCULATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR.

DIRECTION OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. AFFIX ENGINEER'S SEAL TO SUBMITTALS.

C. WHEN SO SPECIFIED, PREPARE DESIGN DATA AND CALCULATIONS UNDER THE

D. SUBMIT ELECTRONICALLY IN ADOBE PDF FORMAT.

1.5 TEST REPORTS AND CERTIFICATIONS

A. WHEN SPECIFIED IN INDIVIDUAL SPECIFICATION SECTIONS, REQUIRE MATERIAL OR PRODUCT SUPPLIERS OR MANUFACTURERS TO PROVIDE TEST REPORTS AND MANUFACTURERS' CERTIFICATIONS.

B. INDICATE THAT MATERIAL OR PRODUCT CONFORMS TO OR EXCEEDS SPECIFIED REQUIREMENTS. SUBMIT SUPPORTING REFERENCE DATA, AFFIDAVITS, AND CERTIFICATIONS AS APPROPRIATE.

C. SUBMITTALS MAY BE RECENT OR PREVIOUS TEST RESULTS ON MATERIAL OR PRODUCT, BUT MUST BE ACCEPTABLE TO ARCHITECT.

SECTION 014000- CONT'D

D. SUBMIT ELECTRONICALLY IN ADOBE PDF FORMAT.

I.6 MANUFACTURER'S INSTALLATION INSTRUCTIONS

A. WHEN CONTRACT DOCUMENTS REQUIRE THAT PRODUCTS BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS: I. SUBMIT MANUFACTURER'S MOST RECENT PRINTED INSTRUCTIONS FOR DELIVERY, STORAGE, ASSEMBLY,

INSTALLATION, START-UP, ADJUSTING, AND FINISHING, AS

APPLICABLE. A. SUBMIT IN QUANTITIES SPECIFIED FOR PRODUCT

B. INDICATE SPECIAL PROCEDURES, PERIMETER CONDITIONS REQUIRING SPECIAL ATTENTION, AND SPECIAL ENVIRONMENTAL CRITERIA REQUIRED FOR APPLICATION OR INSTALLATION. C. IDENTIFY CONFLICTS BETWEEN MANUFACTURERS'

INSTRUCTIONS AND REQUIREMENTS OF CONTRACT

4. SUBMIT ELECTRONICALLY IN ADOBE PDF FORMAT.

DOCUMENTS. 2. PERFORM INSTALLATION OF PRODUCTS TO COMPLY WITH REQUIREMENTS OF MANUFACTURER'S INSTRUCTIONS. 3. IF INSTALLATION CANNOT BE PERFORMED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, NOTIFY ARCHITECT AND TO CONTRACTOR. AWAIT INSTRUCTIONS.

SECTION 017329-CUTTING AND PATCHING

1.1 PREPARATION

A. EXAMINE EXISTING CONDITIONS OF WORK, INCLUDING ELEMENTS SUBJECT TO MOVEMENT OR DAMAGE DURING CUTTING AND PATCHING.

B. AFTER UNCOVERING WORK, EXAMINE CONDITIONS AFFECTING INSTALLATION OF NEW PRODUCTS OR PERFORMANCE OF WORK.

C. PROVIDE PROTECTION FOR OTHER PORTIONS OF PROJECT.

D. PROVIDE PROTECTION FROM ELEMENTS.

1.2 CUTTING AND PATCHING

A. EXECUTE CUTTING TO INCLUDE EXCAVATING, FITTING, AND PATCHING OF WORK REQUIRED TO:

I. MAKE SEVERAL PARTS FIT PROPERLY. 2. UNCOVER WORK TO PROVIDE FOR INSTALLATION OF ILL TIMED 3. REMOVE AND REPLACE DEFECTIVE WORK. 4. REMOVE AND REPLACE WORK NOT CONFORMING TO REQUIREMENTS OF CONTRACT DOCUMENTS.

B. EXECUTE FITTING AND ADJUSTMENT OF PRODUCTS TO PROVIDE FINISHED INSTALLATION TO COMPLY WITH SPECIFIED TOLERANCES, AND FINISHES.

5. PROVIDE ROUTINE PENETRATIONS OF NONSTRUCTURAL

SURFACES FOR INSTALLATION OF PIPING AND ELECTRICAL

C. EXECUTE CUTTING AND DEMOLITION BY METHODS THAT WILL PREVENT DAMAGE TO OTHER WORK, AND WILL PROVIDE PROPER SURFACES TO RECEIVE INSTALLATION OF REPAIRS AND NEW WORK.

D. EXECUTE EXCAVATING AND BACKFILLING BY METHODS THAT WILL PREVENT

DAMAGE TO OTHER WORK, AND WILL PREVENT SETTLEMENT.

E. EMPLOY ORIGINAL INSTALLER OR FABRICATOR TO PERFORM CUTTING AND PATCHING FOR:

I. WEATHER EXPOSED OR MOISTURE RESISTANT ELEMENTS. 2. SIGHT EXPOSED FINISHED SURFACES. F. RESTORE WORK THAT HAS BEEN CUT OR REMOVED; INSTALL NEW PRODUCTS

CONTRACT DOCUMENTS. G. REFINISH ENTIRE SURFACES AS NECESSARY TO PROVIDE AN EVEN FINISH: I. CONTINUOUS SURFACES: TO NEAREST INTERSECTIONS.

TO PROVIDE COMPLETED WORK IN ACCORDANCE WITH REQUIREMENTS OF

SECTION 017419- CONSTRUCTION WASTE

2. ASSEMBLY: REFINISH ENTIRELY.

I.I GENERAL A. REUSE OR RECYCLE NON-HAZARDOUS WASTE MATERIALS.

B. MINIMIZE WASTE SENT TO LANDFILLS AND INCINERATORS.

C. PRIORITIZE NON-HAZARDOUS CONSTRUCTION WASTE MANAGEMENT IN FOLLOWING ORDER: I . REDUCE AMOUNT OF WASTE GENERATED. 2. RECYCLE MATERIAL INCLUDING DIVERTING MATERIALS FOR

ECONOMIC BENEFIT AT LANDFILL. 1.2 MANAGEMENT

AND WEATHER.

A. SECURE STOCKPILED CONSTRUCTION WASTE TO PREVENT VANDALIZATION AND SCAVENGING. PROTECT STOCKPILED WASTE FROM THE EFFECTS OF WIND

SECONDARY USES WHENEVER ECONOMICALLY FEASIBLE.

3. DISPOSE OF MATERIALS WITH NO PRACTICAL USE OR

B. USE ALL REASONABLE MEANS TO DIVERT CONSTRUCTION AND DEMOLITION WASTE FROM LANDFILLS AND INCINERATORS, AND TO FACILITATE RECYCLING AND REUSE.

C. RETURN UNUSED PRODUCTS AND OVERAGES TO SUPPLIER AND RETURN CREDIT(S) TO OWNER. D. SEPARATE MATERIALS FOR POTENTIAL RECYCLING, SALVAGE, REUSE AND

E. PROVIDE SEPARATE RECEPTACLES FOR RECYCLABLE MATERIALS. WHERE CO-MINGLED RECYCLABLES ARE NOT PERMITTED, PROVIDE SEPARATE

RECEPTACLES AS REQUIRED BY THE LOCAL WASTE COLLECTOR.

F. KEEP STORAGE AREAS AND RECEPTACLES CLEAN ORDERLY AND SECURE AT ALL TIMES.

G. REMOVE ALL WASTE FROM WORK AREAS AT THE END OF EACH WORK SHIFT.

SECTION 017419- CONT'D

1.3 DISPOSAL

A. DISPOSE OF NON-HAZARDOUS WASTE MATERIALS THAT CANNOT BE REUSED, RECYCLED, OR SALVAGED AT LICENSED LANDFILL OR INCINERATOR.

B. HANDLE, STORE, AND DISPOSE OF HAZARDOUS WASTES IN ACCORDANCE WITH APPLICABLE CODES, ORDINANCES, RULES, AND REGULATIONS.

SECTION 017700- CLOSEOUT PROCEDURES

1.1 CLOSEOUT PROCEDURES

A. SUBMIT WRITTEN CERTIFICATION THAT CONTRACT DOCUMENTS HAVE BEEN REVIEWED, WORK HAS BEEN INSPECTED, AND THAT WORK IS COMPLETE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND READY FOR ARCHITECT'S INSPECTION.

B. IF ARCHITECT PERFORMS RE-INSPECTION DUE TO FAILURE OF WORK TO COMPLY WITH CLAIMS OF STATUS OF COMPLETION MADE BY CONTRACTOR, OWNER WILL COMPENSATE ARCHITECT FOR SUCH ADDITIONAL SERVICES AND WILL DEDUCT THE AMOUNT OF SUCH COMPENSATION FROM FINAL PAYMENT

C. SUBMIT FINAL APPLICATION FOR PAYMENT SHOWING ORIGINAL CONTRACT SUM, ADJUSTMENTS, PREVIOUS PAYMENTS, RETAINAGE WITHHELD FROM PREVIOUS PAYMENTS, AND SUM REMAINING DUE.

D. CLOSEOUT SUBMITTALS:

I. NOTICE OF COMPLETED FINAL INSPECTIONS BY THE LOCAL AUTHORITY.

2. ALL BUILDING PERMITS SHALL BE CLOSED. 3. CERTIFICATE OF OCCUPANCY.

4. OPERATION AND MAINTENANCE DATA. 6. EVIDENCE OF PAYMENT OF SUBCONTRACTORS AND SUPPLIERS.

8. CERTIFICATE OF INSURANCE FOR PRODUCTS AND COMPLETED

D. NO FINAL PAYMENT WILL BE MADE UNTIL ALL CLOSEOUT SUBMITTALS ARE COMPLETED TO THE SATISFACTION OF THE ARCHITECT AND OWNER.

1.2 FINAL CLEANING

A. EXECUTE FINAL CLEANING PRIOR TO FINAL INSPECTION.

C. CLEAN ALL AREAS WITHIN UNITS AFFECTED BY THE WORK.

B. CLEAN SURFACES EXPOSED TO VIEW:

7. FINAL LIEN WAIVER.

OPERATIONS.

D. VACUUM AND MOP HARD SURFACE FLOORING.

E. CLEAN SITE; SWEEP PAVED AREAS, RAKE CLEAN LANDSCAPED SURFACES. F. REMOVE WASTE AND SURPLUS MATERIALS, RUBBISH, AND CONSTRUCTION

G. REMOVE ALL PROTECTIVE COVERINGS AND FILMS FROM THE WORK.

I .4 OPERATION AND MAINTENANCE DATA A. IDENTIFY AS "OPERATION AND MAINTENANCE INSTRUCTIONS" AND TITLE OF

B. CONTENTS: I. DIRECTORY: LIST NAMES, ADDRESSES, AND TELEPHONE

FACILITIES FROM THE SITE.

NUMBERS OF ARCHITECT, CONTRACTOR, SUBCONTRACTORS, AND MAJOR EQUIPMENT SUPPLIERS. A. SIGNIFICANT DESIGN CRITERIA.

I. MANUFACTURER CERTIFICATES INDICATING COMPLIANCE WITH

2. MANUFACTURER INSPECTION REPORTS INDICATING COMPLIANCE WITH ALL INSTALLATION REQUIREMENTS.

C. PARTS LIST FOR EACH COMPONENT. D. BROCHURE AND DRAWING DATA FOR ALL MATERIALS, COMPONENTS AND ASSEMBLIES.

E. MAINTENANCE INSTRUCTIONS FOR EQUIPMENT AND SYSTEMS.

F. MAINTENANCE INSTRUCTIONS FOR SPECIAL FINISHES, INCLUDING RECOMMENDED CLEANING METHODS AND MATERIALS AND SPECIAL PRECAUTIONS IDENTIFYING DETRIMENTAL AGENTS.

ALL INSTALLATION REQUIREMENTS

G. COPIES OF EXECUTED WARRANTIES AND BONDS. H. INSTRUCTIONS FOR REQUEST OF WARRANTY SERVICE: I. NAME AND CONTACT INFORMATION FOR THE INSTALLER SERVICE AGENT. 2. NAME AND CONTACT INFORMATION FOR THE MANUFACTURER

. SUBMIT ONE COPY IN A SINGLE THREE RING BINDER.

SERVICE AGENT.

2. SUBMIT ELECTRONICALLY IN ADOBE PDF FORMAT. 3. ARCHITECT WILL NOTIFY CONTRACTOR OF ANY REQUIRED REVISIONS AFTER FINAL INSPECTION. 4. REVISE CONTENT OF DOCUMENTS AS REQUIRED PRIOR TO FINAL SUBMITTAL.

1.5 WARRANTIES

A. EXECUTE AND ASSEMBLE DOCUMENTS FROM SUBCONTRACTORS, SUPPLIERS, AND MANUFACTURERS.

B. INCLUDE TABLE OF CONTENTS.

APPLICATION FOR PAYMENT. D. FOR ITEMS OF WORK DELAYED BEYOND DATE OF SUBSTANTIAL COMPLETION, PROVIDE UPDATED SUBMITTAL WITHIN 10 DAYS AFTER ACCEPTANCE, LISTING DATE OF ACCEPTANCE AS START OF WARRANTY

C. SUBMIT ELECTRONICALLY IN ADOBE PDF FORMAT ALONG WITH FINAL

E. ALL LABOR AND NEW MATERIALS SHALL BE WARRANTED FOR A PERIOD NO LESS THAN 2 YEARS FROM SUBSTANTIAL COMPLETION.

F. ALL EXISTING MATERIALS RE-USED IN THE NEW WORK SHALL BE WARRANTED FOR LABOR ONLY.

DESIGN

I certify that these documents were prepared or approved by me. and that I am a duly licensed architect under the laws of the State of Maryland

License Number: 0014484

Expiration Date: 2/3/18

project number project description JECC RENOVATION scale | " = | '-O"drawn by WMC checked by WMC

MARYLAND JUDICIARY

drawing date 05/16/16 revision date date description

contractor

sheet title GENERAL CONDITIONS

GENERAL DEMOLITION NOTES:

A. OBTAIN ALL REQUIRED PERMITS FROM THE AUTHORITY HAVING JURISDICTION PRIOR TO COMMENCING DEMOLITION WORK.

B. ALL ITEMS INDICATED WITH A DASHED LINE ARE TO BE REMOVED, UNO.

C. DEMOLITION DOCUMENTS INDICATE THE GENERAL EXTENT OF WORK. ADDITIONAL DEMOLITION MAY BE REQUIRED TO ACCOMMODATE COORDINATION OF THE WORK. PERFORM SELECTIVE DEMOLITION FOR WORK SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS THAT REQUIRES DEMOLITION NOT SHOWN ON DEMOLITION DRAWINGS. SUCH WORK SHALL INCLUDE, BUT IS NOT LIMITED TO THE FOLLOWING:

D. COORDINATE DEMOLITION AND PROVIDE TEMPORARY FACILITIES AND BARRIERS AS REQUIRED TO MAINTAIN PROJECT SITE IN A SECURE AND SAFE CONDITION AT ALL TIMES.

E. DIVERT DEMOLISHED MATERIAL FROM LANDFILL DISPOSAL TO THE GREATEST EXTENT POSSIBLE. DELIVER ALL RECYCLABLE DEMOLISHED MATERIAL TO A QUALIFIED RECYCLING AGENT. SEGREGATE ALL BRICK, BLOCK, CONCRETE, CEMENT, STONE, ASPHALT AND MACADAM FOR COLLECTION AND DELIVERY TO A QUALIFIED RECYCLING AGENT.

F. REMOVE EXISTING NON-STRUCTURAL ELEMENTS WITHIN THE PROJECT SITE EXCEPT WHERE INDICATED BY NOTE OR SYMBOL AS EXISTING TO REMAIN. SEE MEP DRAWINGS FOR EXTENT OF MEP DEMOLITION.

G. DEMOLITION DRAWING SHOWS GENERAL EXTENT OF REQUIRED WORK. REMOVE FIXTURES, FITTINGS, DEVICES, ETC. REQUIRED TO PREPARE THE PROJECT SITE TO RECEIVE H. PERFORM SELECTIVE DEMOLITION FOR WORK SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS THAT REQUIRES DEMOLITION NOT SHOWN ON DEMOLITION DRAWINGS. SUCH WORK SHALL INCLUDE, BUT IS NOT LIMITED TO THE FOLLOWING: I. CORE DRILLING, CONC CUTTING AND REMOVAL OF WALLS AND SLABS AS NECESSARY TO INSTALL MECHANICAL, ELECTRICAL AND PLUMBING WORK. REFER TO MEP DRAWINGS TO COORDINATE REQUIRED DEMOLITION WORK.

2. REMOVE \$ REINSTALL SUSPENDED ATC CEILING AS REQUIRED TO PERFORM MEP WORK. SEE MEP DRAWINGS FOR EXTENT OF ABOVE CEILING WORK.

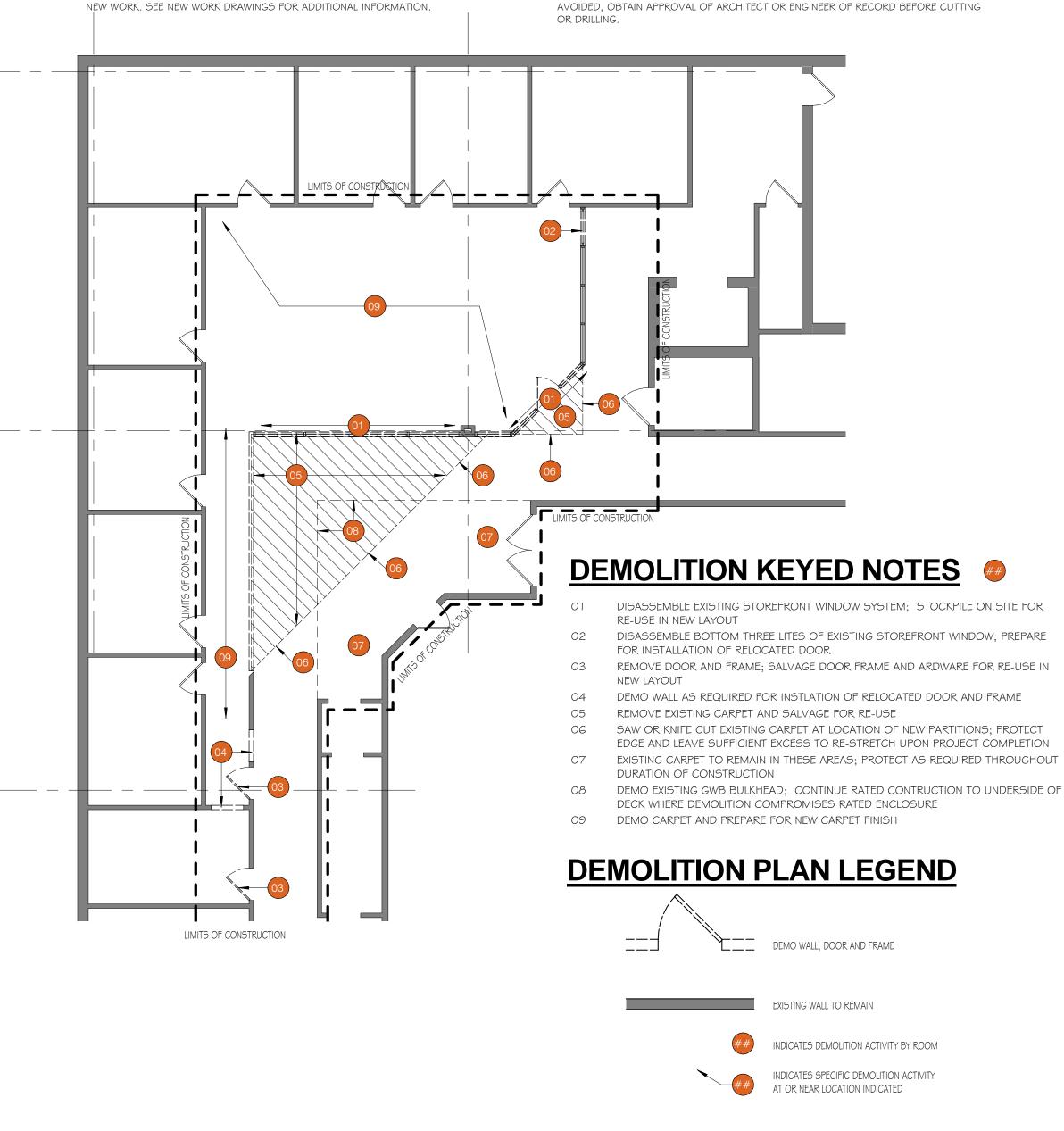
I. RESTORE FIRE SEPARATION CONSTRUCTION TO FULL CAPACITY AS SOON AS POSSIBLE AFTER DEMOLITION ACTIVITIES THAT COMPROMISE THEIR INTEGRITY.

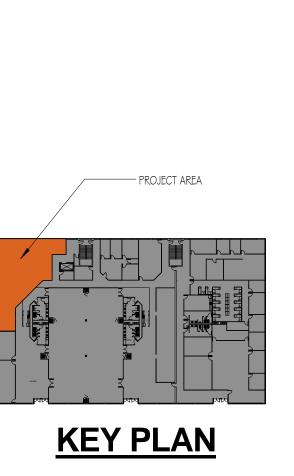
PROVIDE TEMPORARY BRACING REQUIRED TO SUPPORT BUILDING ELEMENTS TO REMAIN AND REQUIRED TO MAINTAIN THE PROJECT SITE IN A SAFE CONDITION.

K. ALL ITEMS INDICATED WITH A DASHED LINE ARE TO BE REMOVED UNO.

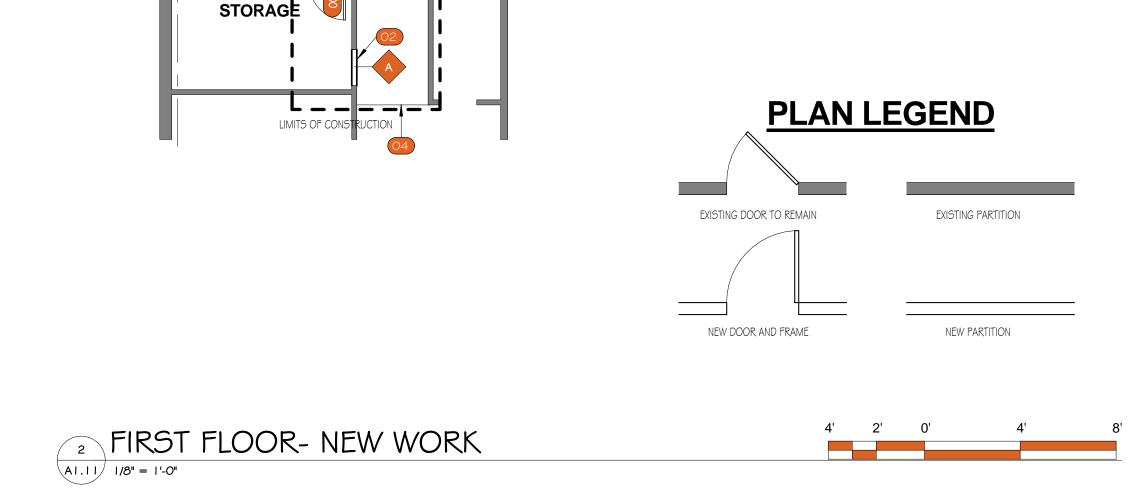
L. MAINTAIN CLEAR ACCESS CORRIDORS TO BUILDING EXITS SERVING OCCUPIED AREAS OUTSIDE AREA OF DEMOLITION AT ALL TIMES.

PERFORM NON-DESTRUCTIVE TESTING (GROUND PENETRATING RADAR) ON ELEVATED SLABS OR OTHER STRUCTURAL CONCRETE ELEMENTS REQUIRING PENETRATION TO DETERMINE LOCATION OF REINFORCING BARS AND OTHER ITEMS EMBEDDED IN THE STRUCTURAL DECK. PERFORM WORK TO AVOID CUTTING EMBEDDED REINFORCING BARS AND OTHER EMBEDDED ITEMS. IF REBAR OR OTHER EMBEDDED ITEMS CANNOT BE AVOIDED, OBTAIN APPROVAL OF ARCHITECT OR ENGINEER OF RECORD BEFORE CUTTING









OFFICE

LIMITS OF CONSTRUCTION

100

1122 SF

200

OFFICE

OFFICE

OFFICE

ELEV MACH

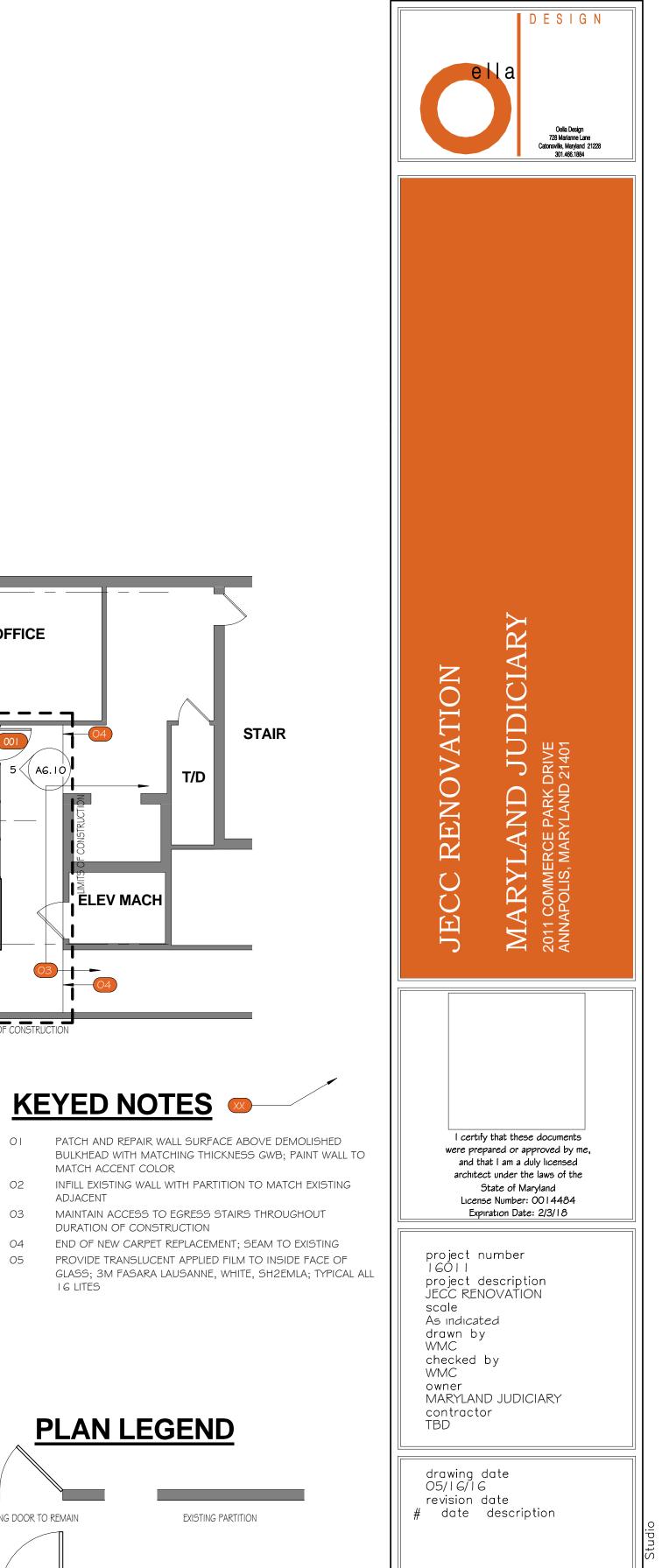
KEYED NOTES

MATCH ACCENT COLOR

DURATION OF CONSTRUCTION

120x102

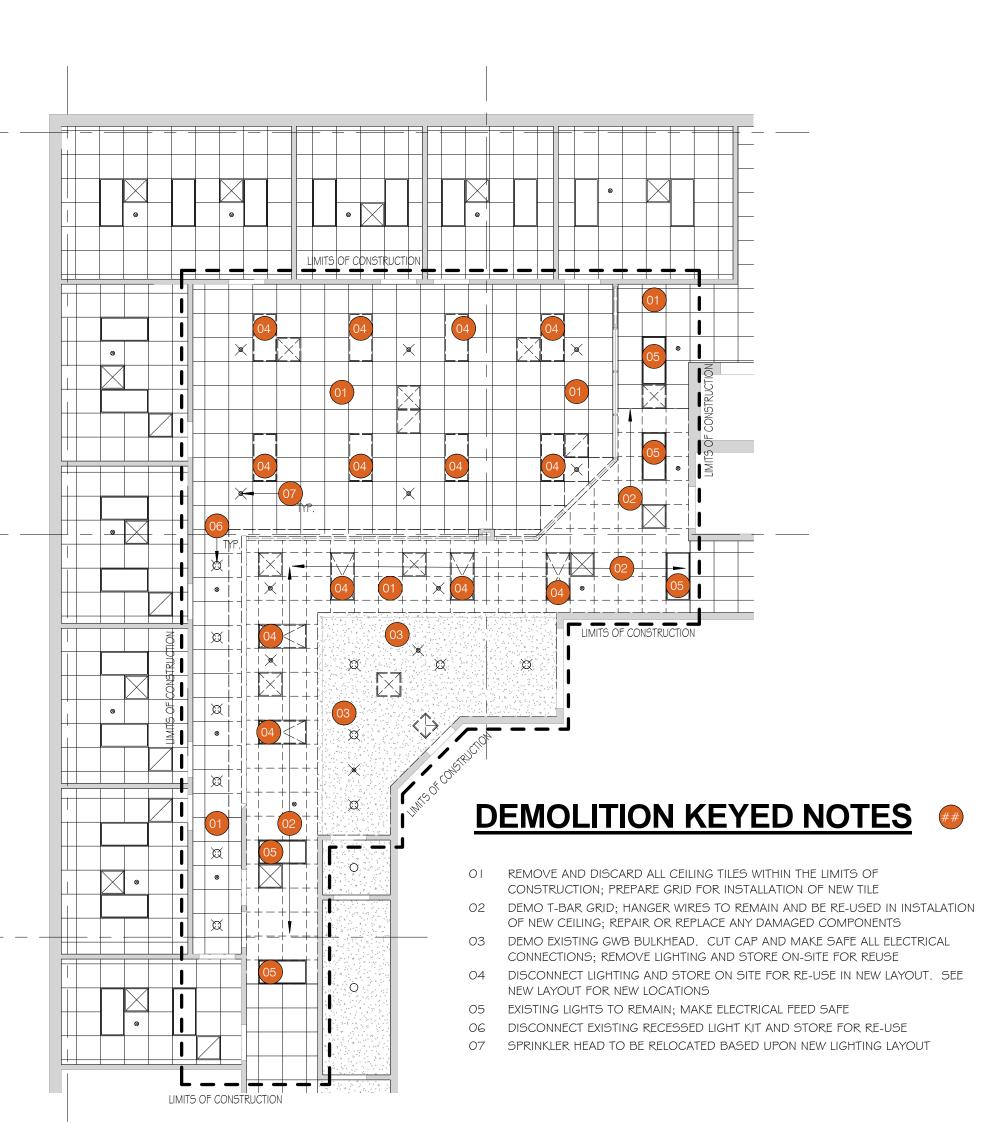
LIMITS OF CONSTRUCTION



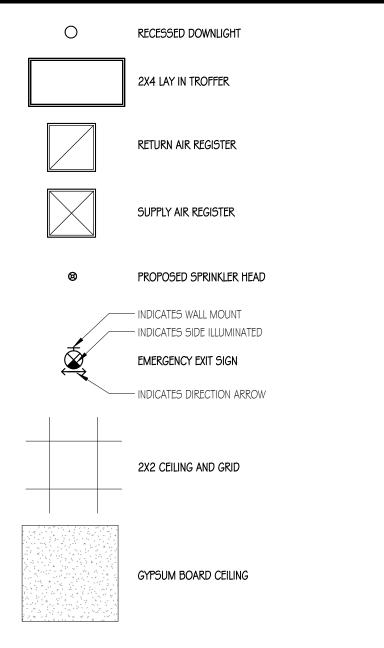
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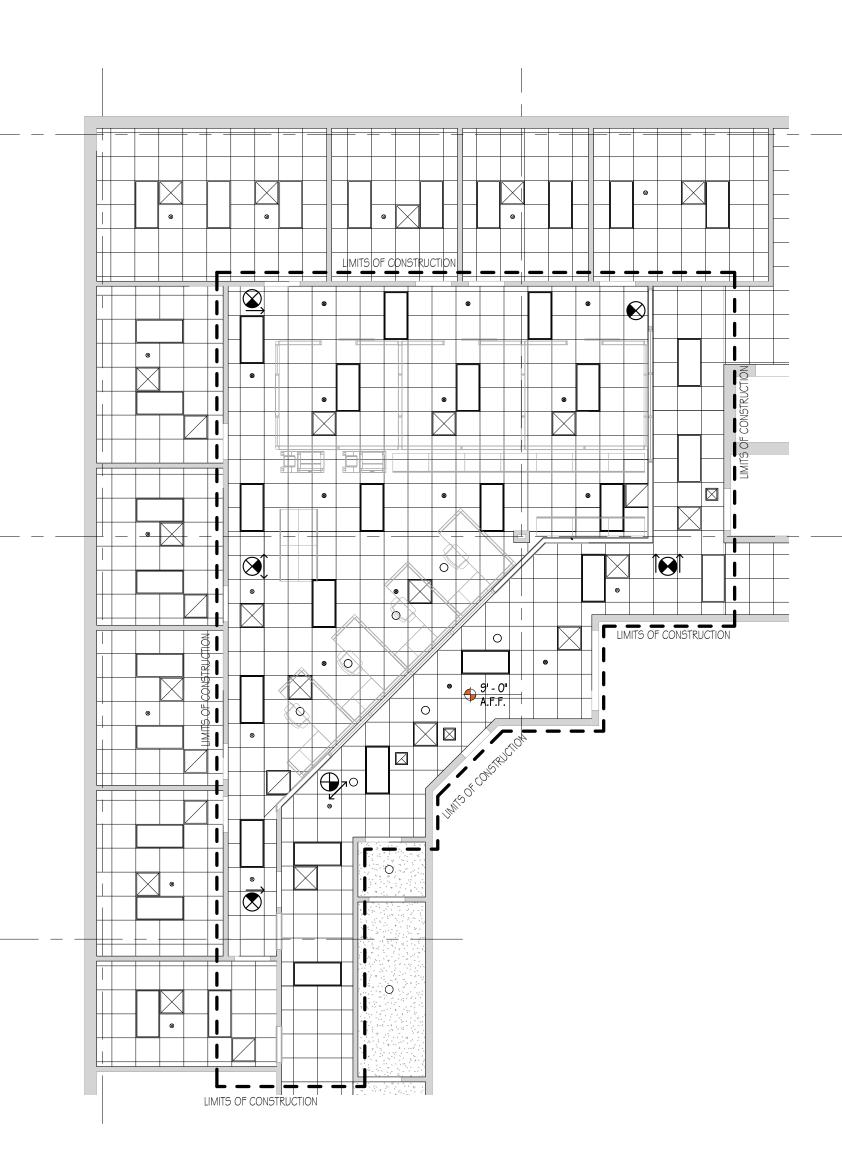
FLOOR PLANS

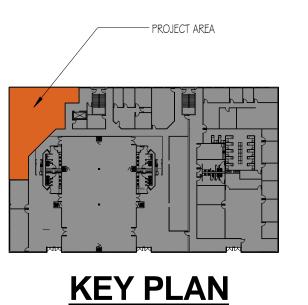
FIRST FLOOR- DEMOLITION



REFLECTED CEILING PLAN LEGEND



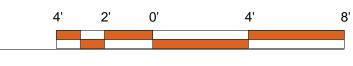


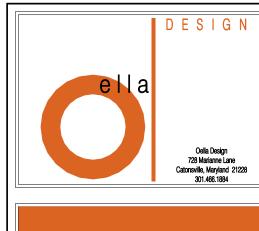


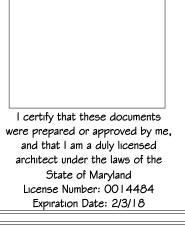












project number 16011 project description JECC RENOVATION As indicated drawn by WMC checked by WMC MARYLAND JUDICIARY contractor TBD

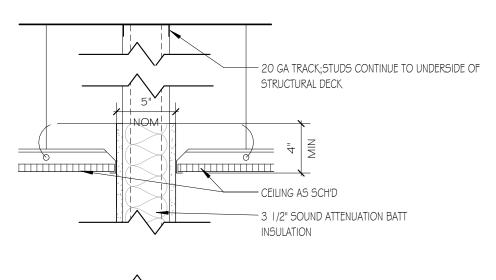
drawing date 05/16/2016 revision date # date description

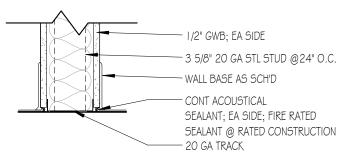
sheet title CEILING PLANS





A 4 7/8" UNDERSIDE OF DECK GWB GWB GWB STL C 3 5/8" 20 - - SAFB





TYPE A

BRACE TO UNDERSIDE OF DECK (a) 48' O.C. 3 5/8' 20 GA. STL. STUDS (a) 24' O.C. TO UNDERSIDE OF STRUCTURE STEEL TRACK RECEPTOR AND ATTACHMENT BLOCKING; V.I.F. STOREFRONT HEAD MULLION 8 HEAD DETAIL AG. 10 3" = 11-0"

FINISH SCHEDULE

| | | | | | WAL | LS | | CEIL | ING | |
|---------------------------|-------------------|--------------|--------------|-------|-------|------|------|---------|--------|-------|
| RM NUMBER | ROOM | FLOOR | BASE | NORTH | SOUTH | EAST | WEST | CEILING | FINISH | NOTES |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| FIRST FLOOR | | | | | | | | | | |
| | OFFICE | CPT- I | VB-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT-1 | _ | |
| 100 | | | | | DT I | | | ACT-I | - | |
| FIRST FLOOR 100 109 | OFFICE STORAGE | CPT-I ETR | VB-I VB-I | PT-I | | PT-I | PT-1 | ACT-1 | - | |

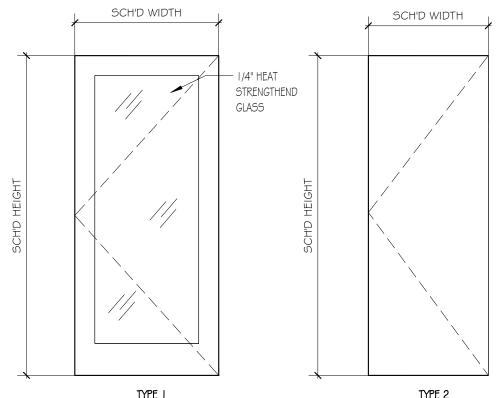
FINISH SCHEDULE LEGEND

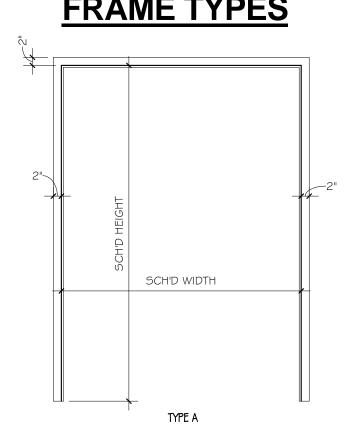
| ABBREVIATION | MANUFACTURER | PRODUCT DESCRIPTION | COLOR | COMMENTS |
|---------------|----------------|---------------------------|----------------------|--|
| | | | | |
| ACOUSTICAL CE | EILING TILE | | | |
| ACT- I | ARMSTRONG | 2X2 TEGULAR W/ 9/16" GRID | ULTIMA TEGULAR- 1895 | |
| CARPET | | | | |
| CPT- I | MATCH EXISTING | PATTERNED BROADLOOM | MATCH EXISTING | |
| CPT-2 | ETR | PATTERNED BROADLOOM | ETR | EXISTING CARPET TO REMAIN; PROTECT ON SITE; STORE DEMOLISHED CARPET FOR RE-USE |
| PAINT | | | | |
| PT- I | BENJAMIN MOORE | EGGSHELL ACRYLIC | MATCH EXISTING | |
| PT-2 | BENJAMIN MOORE | EGGSHELL ACRYLIC | MATCH EXISTING | |
| PT-3 | BENJAMIN MOORE | SEMI-GLOSS ARYLIC | MATCH EXISTING | ALL DOOR FRAMES |
| VINYL BASE | 1 | , | , | · |
| VB-1 | JOHNSONITE | 4" COVE BASE | MATCH EXISTING | |
| VB-2 | JOHNSONITE | 4" COVE BASE | MATCH EXISTING | |
| | | I . | | |

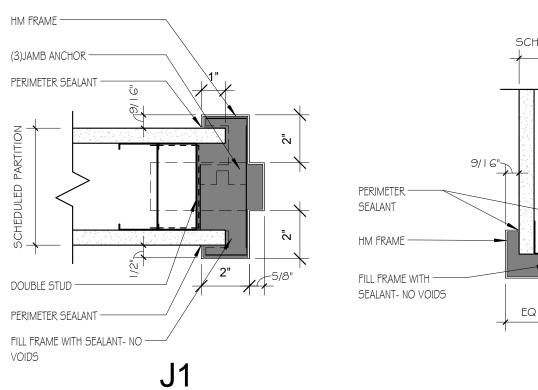
DOOR SCHEDULE

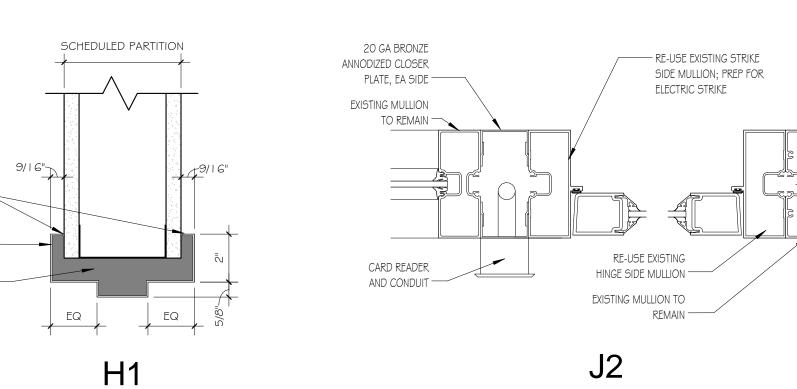
| | | | | | | DOOR | | | FRAME | | DET | AILS | | | |
|----------|-----|---------|---------|-----------|------|----------|----------|------|----------|--------|----------------|----------------|-------------|------------|-------|
| QUANTITY | TAG | WIDTH | HEIGHT | THICKNESS | TYPE | MATERIAL | FINISH | TYPE | MATERIAL | FINISH | HEAD DETAIL | JAMB DETAIL | FIRE RATING | HDW SET | NOTES |
| | | | | | | | | | | | | | | | |
| I | 001 | 3' - 0" | 6' - 8" | 0' - 2" | 1 | ALUMINUM | INTEGRAL | _ | - | - | H2 | J2 | - | 1 | |
| 1 | 002 | 3' - 0" | 7' - 0" | 0' - 2" | 2 | WOOD | STAINED | Α | НМ | PAINT | НІ | JI | - | 2 | |
| I | 003 | 3' - 0" | 7' - 0" | 0' - 2" | 2 | WOOD | STAINED | Α | НМ | PAINT | ні | JI | - | 2 | |

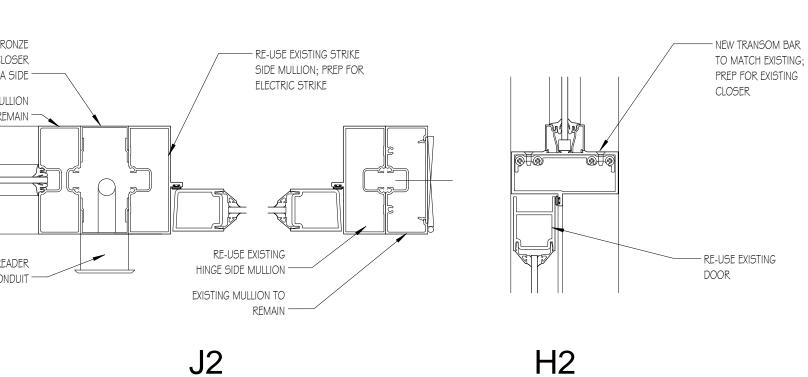
DOOR TYPES FRAME TYPES

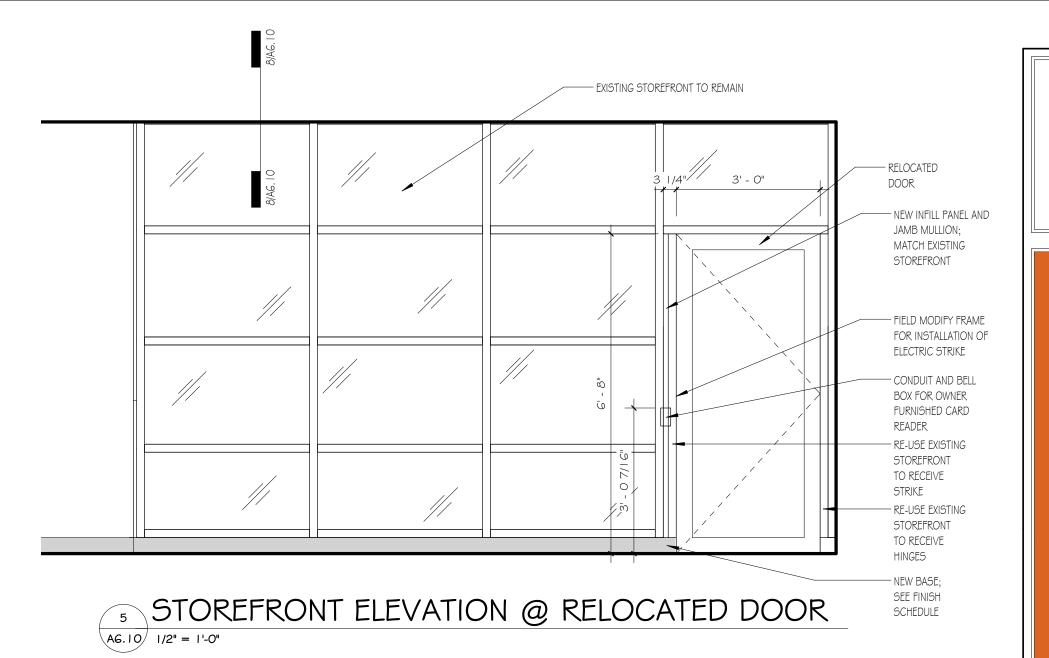


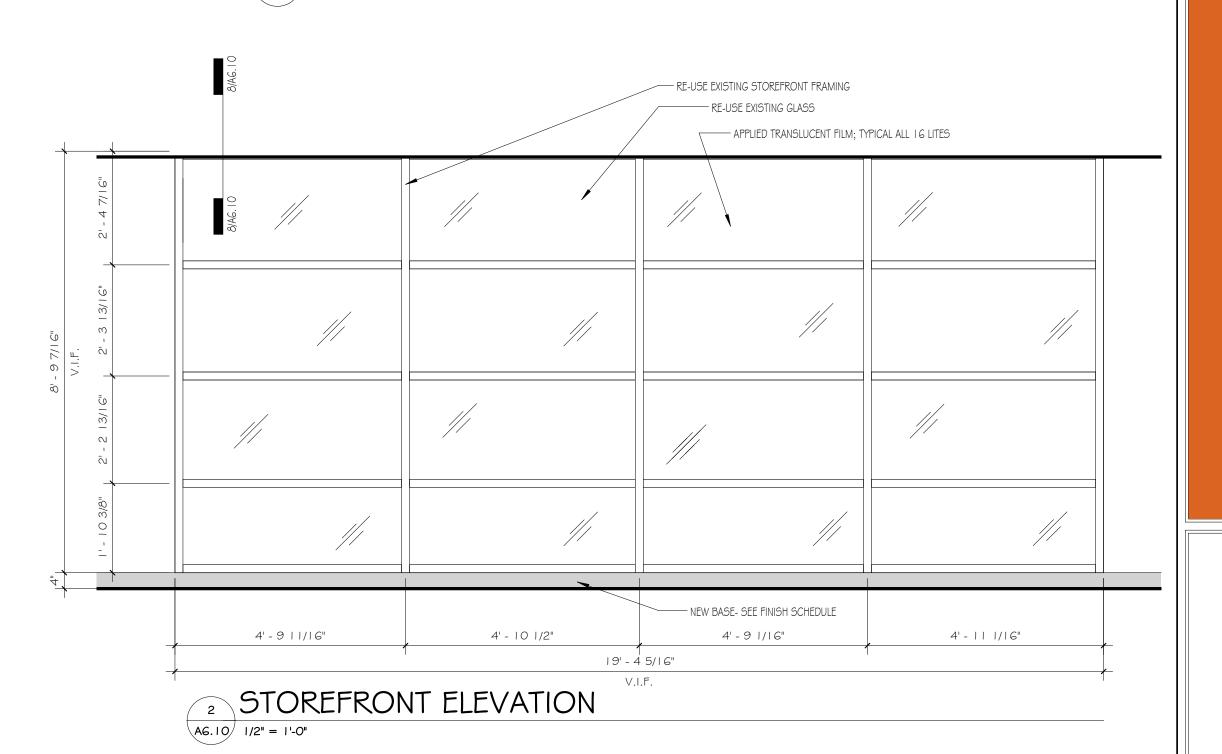


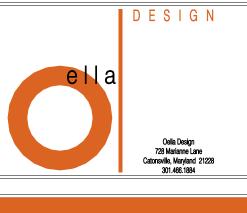






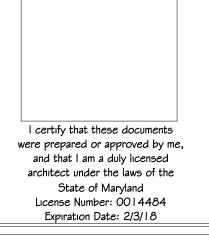






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MARYLAND JUDIC



project number
16011
project description
JECC RENOVATION
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As indicated
drawn by
WMC
checked by
WMC
owner
MARYLAND JUDICIARY
contractor
TBD

drawing date 05/16/2016 revision date # date description

sheet title SCHEDULES

sheet number
A6.10

GENERAL NOTES

- A. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
- B. CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK (HVAC, PLUMBING) ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
- C. INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS AND APPLICABLE CODES AND REGULATIONS.
- D. THE LOCATION OF EXISTING SYSTEMS IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING SYSTEMS BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PAY FOR AND REPAIR ALL DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES UNLESS OTHERWISE INDICATED.
- E. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENTS
- F. ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR PIPING INSULATION IS APPLIED.
- G. TESTING, ADJUSTING AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB). TESTING, ADJUSTING, AND BALANCING SHALL BE PERFORMED IN ACCORDANCE WITH AABC STANDARDS.
- H. WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED.
- I. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS AND SHALL HAVE THE APPROVAL OF THE ENGINEER BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS.
- J. ALL MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION AND AS SHOWN IN DETAILS FOR PIPING, DUCTWORK, AND EQUIPMENT (UNLESS OTHERWISE NOTED) SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
- K. PROVIDE ACCESS PANELS FOR INSTALLATION IN WALLS AND CEILINGS, WHERE REQUIRED, TO SERVICE DAMPERS, VALVES, SMOKE DETECTORS, AND OTHER CONCEALED MECHANICAL EQUIPMENT. ACCESS PANELS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR FOR INSTALLATION.
- L. ALL DUCTWORK, PIPING, AND EQUIPMENT SUPPORTED FROM STRUCTURAL STEEL SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. ALL ATTACHMENTS TO STEEL BAR JOISTS, TRUSSES OR JOIST GIRDERS SHALL BE AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. WELDING TO STRUCTURAL MEMBERS SHALL NOT BE PERMITTED. THE USE OF C-CLAMPS SHALL NOT BE PERMITTED.
- M. DUCTWORK SHALL NOT BE SUPPORTED FROM A METAL DECK.
- N. LOCATIONS AND SIZES OF ALL WALL OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.
- O. ALL OPENINGS IN FIRE WALLS DUE TO DUCTWORK, PIPING, CONDUIT, ETC., SHALL BE FIRE STOPPED WITH A PRODUCT SIMILAR TO 3M OR APPROVED EQUAL.
- P. NO SYSTEMS SUCH AS ELECTRICAL, TELEPHONE OR OTHER TRADE UTILITY COMPANY USE THE MECHANICAL SYSTEM AS A GROUND.
- Q. ALL MATERIALS USED ABOVE THE CEILING SHALL BE PLENUM RATED.
- R. FLEXIBLE DUCTS SHALL NOT EXCEED 6'-0" FEET IN LENGTH.

HVAC NOTES

- A. CERTAIN ITEMS SUCH AS RISES AND DROPS IN DUCTWORK, ACCESS DOORS, VOLUME DAMPERS, ETC., ARE INDICATED ON THE CONTRACT DOCUMENT DRAWINGS FOR CLARITY FOR A SPECIFIC LOCATION REQUIREMENT AND SHALL NOT BE INTERPRETED AS THE EXTENT OF THE REQUIREMENTS FOR THESE ITEMS.
- B. ALL DUCTWORK SHALL CLEAR CEILING HEIGHTS NOTED ON THE ARCHITECTURAL DRAWINGS.
- C. ALL DUCTWORK DIMENSIONS AS SHOWN ON THE DRAWINGS ARE INTERNAL CLEAR DIMENSIONS.
- D. PROVIDE ALL 90 DEGREE SQUARE ELBOWS WITH DOUBLE RADIUS TURNING VANES UNLESS OTHERWISE INDICATED. PROVIDE ACCESS DOORS UPSTREAM OF ALL ELBOWS WITH TURNING VANES.
- E. ALL DUCTWORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN DUCTS, INCLUDING DIVIDED DUCTS AND TRANSITIONS AROUND OBSTRUCTIONS, SHALL BE PROVIDED AT TNO ADDITIONAL COST TO THE OWNER. FAILURE TO ADEQUATELY INVESTIGATE EXISTING CONDITIONS SHALL NOT RELEASE THE CONTRACTOR FROM THIS OBLIGATION.
- F. PROVIDE ACCESS DOORS IN DUCTWORK FOR THE OPERATION, ADJUSTMENT AND MAINTENANCE OF FANS, VALVES, AND MECHANICAL EQUIPMENT.
- G. DUCTWORK GAUGES, BRACING, HANGERS, AND OTHER REQUIREMENTS SHALL BE AS RECOMMENDED BY SMACNA.
- H. DUCTWORK SHALL BE SUPPORTED WITH APPROVED HANGERS WITH 10'-0" MAXIMUM SPACING IN ACCORDANCE WITH APPLICABLE MECHANICAL CODES.

GENERAL DEMOLITION NOTES

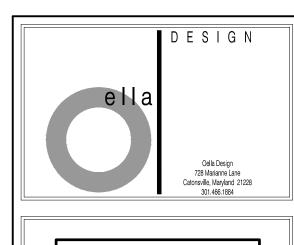
- 1. NOTIFY THE STATE 3 DAYS IN ADVANCE FOR ANY DISRUPTIONS TO EXISTING TENANT'S HVAC SERVICES OR FOR ANY WORK TO BE PERFORMED WITHIN TENANT SPACES. PROVIDE TEMPORARY SERVICES IF NECESSARY.
- 2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND COORDINATE EXTENT OF DEMOLITION WITH THE ARCHITECTURAL DRAWINGS.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING AREAS, MATERIALS OR EQUIPMENT THAT ARE TO REMAIN.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PATCHING NECESSARY TO REPAIR OPENINGS LEFT IN THE COURSE OF DEMOLITION. ALL PATCHING SHALL BE UNIFORM IN APPEARANCE AND SHALL MATCH ADJACENT SURFACES.
- 5. PROVIDE TEMPORARY SERVICES AS REQUIRED SO AS NOT TO DISRUPT TENANT OR BUILDING OPERATIONS. PROVIDE ALL MATERIALS AND EQUIPMENT NECESSARY.
- 6. ALL WORK SHALL BE COMPLETED IN COMPLETE CONFORMITY WITH ALL APPLICABLE PORTIONS OF LOCAL ORDINANCES, STATE AND LOCAL CODES AND PUBLIC UTILITIES.
- 7. AFTER DEMOLITION, CLEAR AREA OF ALL DEBRIS, INCLUDING NAILS, SCREWS, TRASH, ETC. HARD FLOORS SHALL BE BROOM SWEPT AND CARPETS SHALL BE VACUUMED AT THE END OF EACH WORK DAY.

| ME | CHAN | ICAL LEGEND |
|--------------------|------------|---|
| SYMBOL | ABBR | DEFINITION |
| | | |
| | SA | SUPPLY AIR DUCT |
| | RA | RETURN AIR DUCT |
| | EA | EXHAUST AIR DUCT |
| <u> </u> | VD | VOLUME DAMPER |
| | FD | FIRE DAMPER |
| | BDD | BACK DRAFT DAMPER |
| | MOD | MOTOR OPERATED DAMPER |
| \sim | | FLEXIBLE DUCTWORK (MAX 6 FT LENGTH) |
| T | | THERMOSTAT |
| (SD) | SD | SMOKE DETECTOR |
| A 100 | | AIR DEVICE DESIGNATION CUBIC FEET OF AIR PER MINUTE |
| | | THREE-WAY MODULATING VALVE (ATC) |
| | | PRESSURE GAUGE WITH COCK |
| | PRV | PRESSURE REDUCING VALVE |
| —— <u>I</u>]—— | | BUTTERFLY VALVE |
| ф—— | | BALL VALVE |
| | | GATE VALVE |
| ——III—— | | UNION |
| CHR - | CHR | CHILLED WATER RETURN PIPING |
| —— CHS —— | CHS | CHILLED WATER SUPPLY PIPING |
| CD | CD | CONDENSATE DRAIN PIPING |
| | | CAPPED PIPE |
| O | | PIPE BREAK PIPE UP |
| | | DROP IN PIPE |
| <u> </u> | | TOP PIPE CONNECTION |
| | | BOTTOM PIPE CONNECTION |
| NOTE: ALL SYMBOLS | AND ARREI | EVIATIONS MAY NOT BE USED. |
| NOTE. ALL STRIDULS | YIND YDDKI | LVIATIONS WAT NOT BE USED. |

| IMC Ventilation Comp | oliance | | | | | | | |
|----------------------|-------------|------|--------|------------|----------|-------------|--------------|--------------|
| Zone | Space Type | Area | People | CFM/person | CFM/sqft | OA required | CFM provided | %OA required |
| Office | Open office | 1134 | 6 | 5 | 0.06 | 98.04 | 1050 | 9.34% |
| | | | | | | | | |

Contractor to confirm existing RTU set to minimum 10% outdoor air.

| SYMBOL | ABBR | DEFINITION |
|----------|-------------|---------------------------------------|
| | ASSIX | DEI INTION |
| | | REMOVE EXISTING TO THIS POINT |
| <u> </u> | | CONNECT NEW TO EXISTING AT THIS POINT |
| | AFF | ABOVE FINISHED FLOOR |
| | AFG | ABOVE FINISHED GRADE |
| | AHU | AIR HANDLING UNIT |
| | AP | ACCESS PANEL |
| | APD | AIR PRESSURE DROP |
| | ATC | AUTOMATIC TEMPERATURE CONTROL |
| | BTUH | BRITISH THERMAL UNITS PER HOUR |
| | CFH | CUBIC FEET PER HOUR |
| | CFM | CUBIC FEET PER MINUTE |
| | CUH | CABINET UNIT HEATER |
| Ø | DB | DRY BULB |
| <u></u> | DIA DN | DOWN |
| | DWG | DRAWING |
| | EAT | ENTERING AIR TEMPERATURE |
| | EF | EXHAUST FAN |
| | ESP | EXTERNAL STATIC PRESSURE |
| | EWT | ENTERING WATER TEMPERATURE |
| | EX | EXISTING |
| | EXH | EXHAUST |
| | FCU | FAN COIL UNIT |
| | FD | FIRE DEPARTMENT |
| | GPH | GALLONS PER HOUR |
| | GPM | GALLONS PER MINUTE |
| | HP IN | HORSEPOWER |
| | INV ELEV | INCHES INVERT ELEVATION |
| | KW | KILOWATTS |
| | LAT | LEAVING AIR TEMPERATURE |
| | LWT | LEAVING WATER TEMPERATURE |
| | MAX | MAXIMUM |
| | MBH | ONE THOUSAND BTU |
| | MFG | MANUFACTURER |
| | MIN | MINIMUM |
| | NA | NOT APPLICABLE |
| # | NO | NUMBER |
| | OA | OUTSIDE AIR |
| | OED | OPEN END DUCT |
| | OSD | OPEN SITE DRAIN |
| | RCP | REFLECTED CEILING PLAN |
| | RM | ROOM |
| | RPM | REVOLUTIONS PER MINUTE |
| | RTU TYP | ROOF TOP UNIT TYPICAL |
| | V / Ph / Hz | VOLTS / PHASE / HERTZ |
| | VIF | VERIFY IN FIELD |
| | VTR | VENT THRU ROOF |
| | WC | WATER COLUMN |
| | WG | INCHES WATER GAUGE |
| | WHA | WATER HAMMER ARRESTOR |
| | W/ | WITH |
| | WB | WET BULB |
| | WPD | WATER PRESSURE DROP |
| | | |



B&R
ENGINEERING SERVICES

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ECC RENOVATION ARYLAND JUDICIARY

Professional Certification:
I hereby certify that these documents are prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland License No. 200391
Expiration Date: 01 MAR 2017

I 60 I I / 2777

project description
JECC RENOVATION
scale

As indicated drawn by

checked by

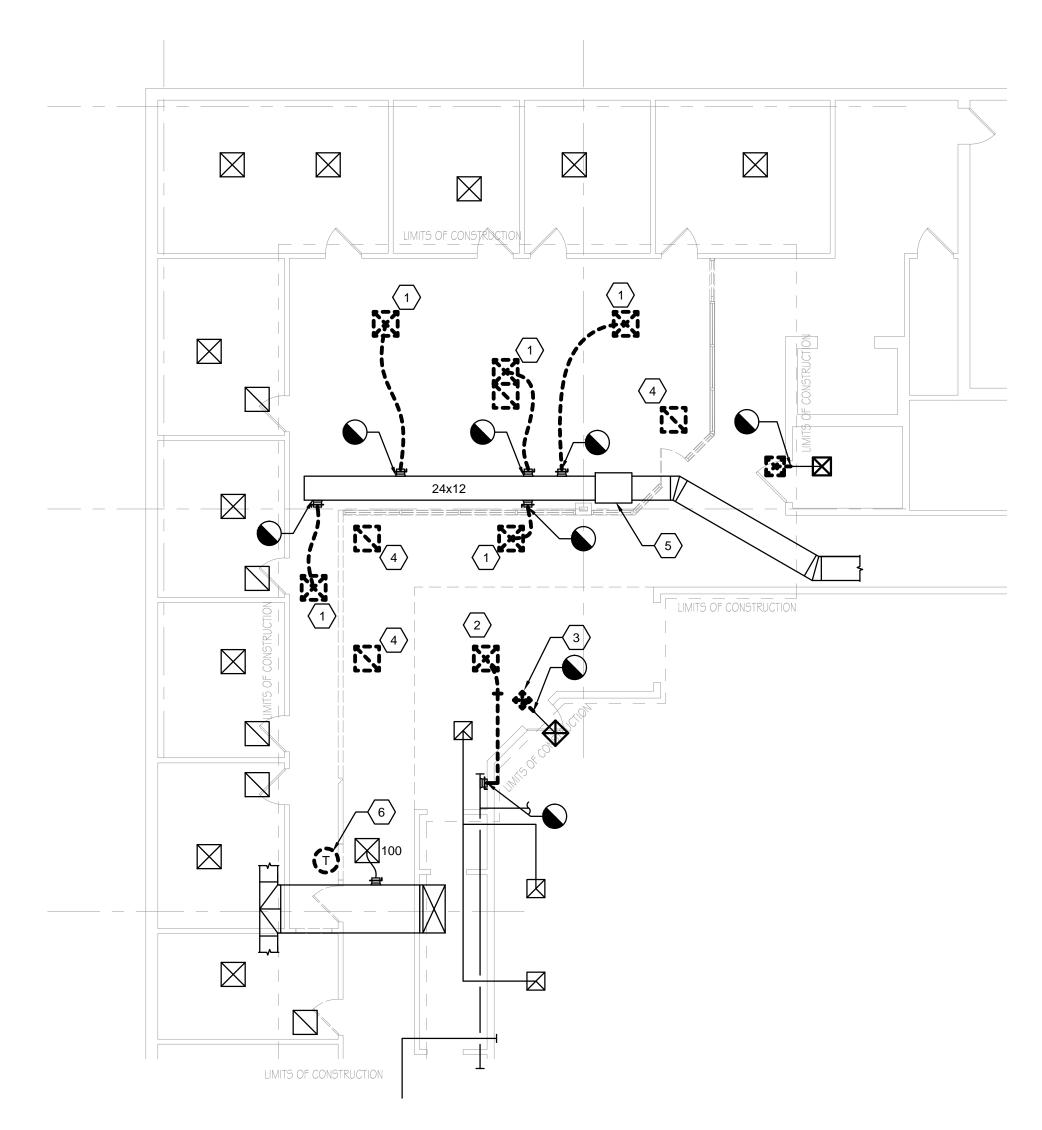
owner MARYLAND JUDICIARY contractor TBD

drawing date
05/16/16
revision date
date description

sheet title DATA SHEET -MECHANICAL

sheet number M1.01

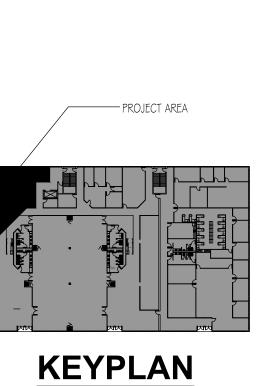
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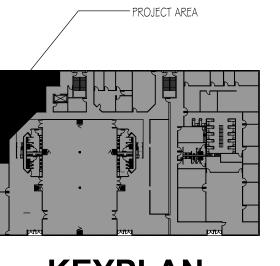




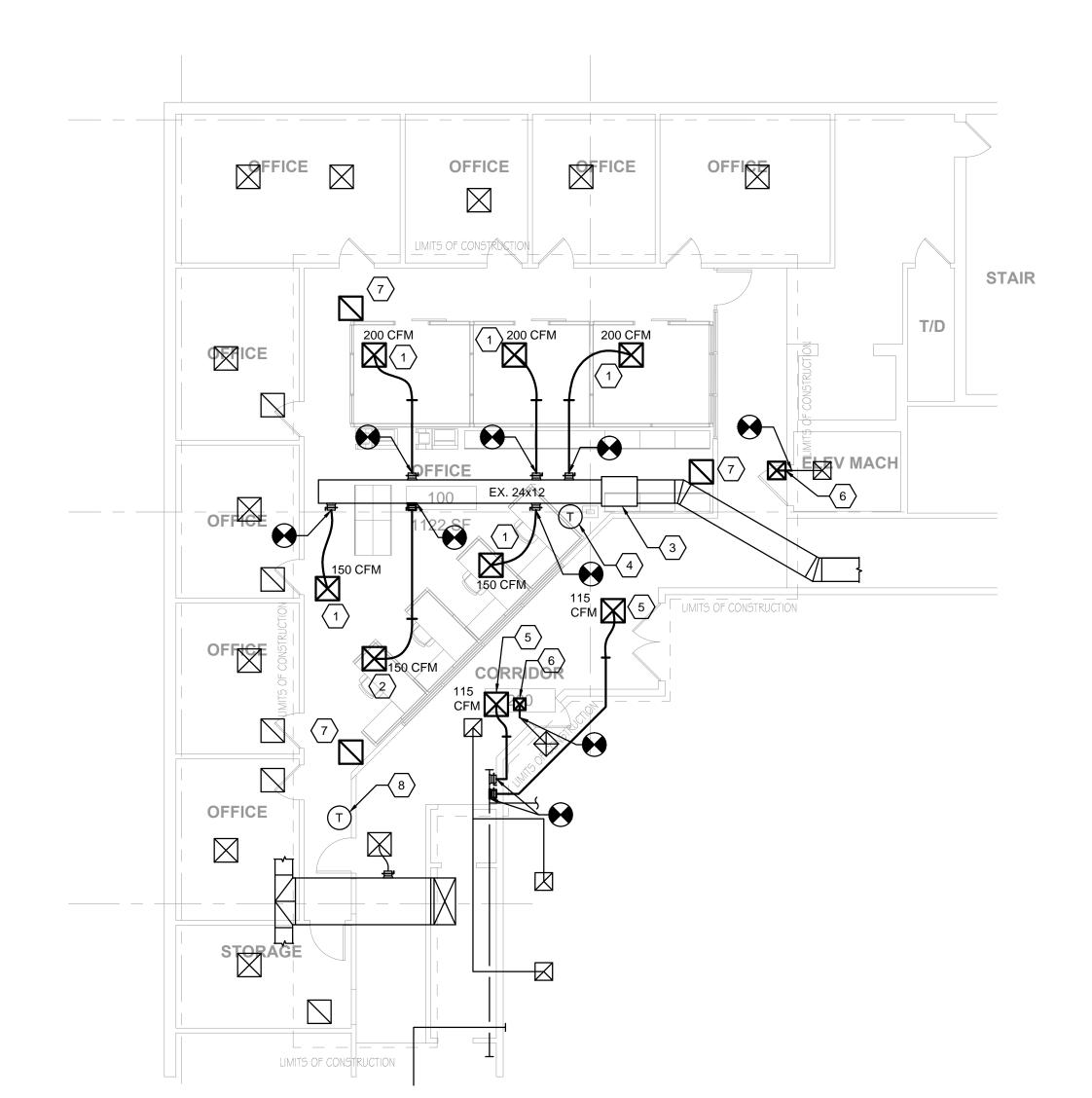
DEMOLITION DRAWING NOTES (#)

- REMOVE AND RELOCATE EX. DIFFUSER. SEE NEW WORK PLAN FOR NEW LOCATION AND AIR QUANTITY.
- 2. REMOVE EX. DIFFUSER AND FLEX DUCT.
- 3. REMOVE AND RELOCATE EX. 18x12 DUCTWORK AND 12x12 GRILLE INTO CENTER OF CEILING.
- 4. RELOCATE EX. RETURN GRILLE. SEE NEW WORK PLAN FOR NEW LOCATION.
- 5. EX. <u>VVR-12</u> TO REMAIN.
- 6. EXISTING THERMOSTAT TO BE RELOCATED.









NEW WORK PLAN - MECHANICAL

NEW WORK DRAWING NOTES (#)

- 2. NEW DIFFUSER TO MATCH EXISTING. PROVIDE NEW 6" SPIN IN FITTING WITH VOLUME DAMPER. BALANCE TO AIR QUANTITY INDICATED.
- 3. EX. <u>VVR-12</u>. REBALANCE TO 1050 CFM.
- 4. EX. THERMOSTAT TO REMAIN.
- 5. PROVIDE NEW DIFFUSER TO MATCH EXISTING. PROVIDE NEW 6" SPIN-IN FITTING WITH VOLUME DAMPER. BALANCE TO AIR QUANTITY INDICATED.
- 1. RELOCATE EX. DIFFUSER. PROVIDE NEW FLEXIBLE DUCTWORK AS 6. REWORK EX 18x12 DUCTWORK AND 12x12 GRILLE TO CENTER EX. REQUIRED. BALANCE TO AIR QUANTITY INDICATED. 12x12 GRILLE IN CEILING TILE.
 - 7. RELOCATED RETURN GRILLE.
 - 8. RELOCATE EXISTING THERMOSTAT TO THIS LOCATION AND RECONNECT.



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DESIGN

ENGINEERING SERVICES 502 McCormick Drive Suite M Glen Burnie, Maryland 21061 Phone (410) 761-9600 Fax (410) 761-9603 www.brconstserv.com

Professional Certification:
I hereby certify that these documents are prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland License No. 200391 Expiration Date: 01 MAR 2017

project number 16011/2777 JECC RENOVATION

As indicated drawn by

checked by MARYLAND JUDICIARY

drawing date **05/16/16** revision date # date description

FLOOR PLANS -MECHANICAL

sheet number

ELECTRICAL SPECIFICATIONS – NEW WORK

. ALL WORK AND EQUIPMENT SHALL BE MANUFACTURED, TESTED AND INSTALLED IN ACCORDANCE WITH THE CURRENT NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES. THE CONTRACTOR SHALL FURNISH A UNDERWRITER'S CERTIFICATE OF INSPECTION COVERING ALL WORK INSTALLED UNDER THIS SPECIFICATION. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, INSPECTIONS AND CERTIFICATES. MODIFICATIONS REQUIRED BY THE ABOVE SAID AUTHORITIES TO BRING THE PROJECT SPACE UNDER CONTRACT UP TO CODE SHALL BE MADE WITHOUT ADDITIONAL CHARGE. WHERE CONTRACT DOCUMENT REQUIREMENTS ARE IN EXCESS OF CODE REQUIREMENTS, THE CONTRACT DOCUMENTS SHALL GOVERN. DEVIATIONS FROM THE CONTRACT DOCUMENTS REQUIRED BY THE ABOVE AUTHORITIES SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER FOR

2. THOROUGHLY EXAMINE ALL ARCHITECTURAL AND MECHANICAL DRAWINGS PRIOR TO COMMENCEMENT OF ANY WORK, COORDINATE WORK WITH ALL OTHER TRADES. ALL ELECTRICAL EQUIPMENT SHALL BE NEW, OF FIRST QUALITY, AND BE FURNISHED, DELIVERED, ERECTED, CONNECTED AND FINISHED IN EVERY DETAIL. ANY INTERRUPTION TO THE EXISTING POWER SHALL BE COORDINATE AND APPROVED BY THE BUILDING MANAGEMENT.

3. MEP DOCUMENTS ARE DIAGRAMMATIC AND INDICATE MAJOR COMPONENTS, GENERAL LOCATION OF WORK AND SYSTEMS. COORDINATE ALL TRADES AND BE FAMILIAR WITH CONDITIONS, NEW AND EXISTING, WHICH MAY AFFECT THE WORK. VERIFY AND FIELD CHECK DIMENSIONS AND CONDITIONS PRIOR TO THE START OF ANY WORK AND REVIEW THE DOCUMENTS FOR ANY CONDITIONS WHICH AFFECT THIS WORK. EQUIPMENT LOCATIONS INDICATED ARE APPROXIMATE AND SHALL BE FIELD VERIFIED. THIS CONTRACTOR SHALL REVIEW ALL SUPPORTING AND COMPLIMENTARY DOCUMENTS, WHICH ARE CONSIDERED A PART OF THE CONTRACT DOCUMENT PACKAGE. THESE DOCUMENTS INCLUDE; ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DOCUMENTS AND SPECIFICATIONS. THESE DOCUMENTS COMPLIMENT EACH OTHER AND MUST BE UTILIZED BY ALL CONTRACTORS IN ORDER TO OBTAIN COMPLETE CONSTRUCTION INFORMATION. ANY INFORMATION, WHICH CONFLICTS WITHIN THESE DOCUMENTS AND SPECIFICATIONS, SHALL BE BROUGHT TO THE ARCHITECTS AND ENGINEERS ATTENTION.

 MAKE ARRANGEMENTS FOR, AND PAY ALL COSTS, AS APPLICABLE FOR TEMPORARY POWER, LIGHTING AND HVAC AS REQUIRED TO PROPERLY CONDUCT THE WORK SPECIFIED IN THIS CONTRACT AND MAINTAIN ALL EXISTING SERVICES. PROVIDE AND MAINTAIN FOR THE ENTIRE LENGTH OF THIS CONTRACT; EXITS, EMERGENCY LIGHTING, FIRE PROTECTION AND ALARM DEVICES TO CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODES. ALL TEMPORARY EQUIPMENT SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS AND SHALL BE COMPLETELY REMOVED AFTER CONSTRUCTION IS COMPLETED.

5. VERIFY POINTS OF CONNECTION BEFORE COMMENCING WORK. CONFIRM THE REQUIREMENTS FOR PREMIUM TIME OR SPECIAL PROCEDURES WITH THE OWNER AND INCLUDE THE COST IN THE BID PROPOSAL. BY SUBMITTING A BID PROPOSAL, THE CONTRACTOR AGREES TO ACCEPT EXISTING SITE CONDITIONS NOT SPECIFICALLY EXCLUDED. EXCLUSIONS SHALL BE PROVIDED IN WRITING AS A SEPARATE DOCUMENT TO THE ARCHITECT AND ENGINEER.

6. ALL MATERIALS SHALL BE NEW, FREE FROM DEFECTS AND LISTED BY THE UNDERWRITERS ABORATORIES, INC (UL) BEFORE PROCURING MATERIALS OR EQUIPMENT. SUBMIT ENGINEERING DATA FOR MATERIAL AND EQUIPMENT PROPOSED FOR USE. VERIFY EQUIPMENT DIMENSIONS FOR ADEQUATE SPACE ALLOTMENT ON THE PROJECT. THE PRODUCT MANUFACTURERS AND COMPONENT MODEL NUMBERS ARE GIVEN TO ESTABLISH A LEVEL OF QUALITY AND PERFORMANCE, AND ARE NOT INTENDED TO EXCLUDE EQUIVALENT PRODUCTS OF ALTERNATE MANUFACTURERS. ALTERNATE MANUFACTURERS OF EQUIVALENT PRODUCTS WILL BE CONSIDERED. COORDINATE, PREPARE AND SUBMIT SHOP DRAWINGS TO THE ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL. SHOP DRAWINGS TO BE SUBMITTED SHALL INCLUDE, BUT NOT BE LIMITED TO: LIGHTING FIXTURES, CONTROL DEVICES, WIRING DEVICES (SWITCHES AND RECEPTACLES), CIRCUIT BREAKERS, SAFETY SWITCHES, FIRE DETECTION AND

. MAINTAIN A SET OF MEP RECORD DRAWINGS IN THE GENERAL CONTRACTORS OFFICE, AT THE PROJECT SITE OFFICE. INDICATE ACTUAL LOCATIONS OF ALL EQUIPMENT, CONDUIT AND ETC., AS WELL AS DEVIATIONS OF WORK FROM THAT SHOWN ON THE CONTRACT DOCUMENTS. WHERE CONFLICTS EXIST BETWEEN EQUIPMENT OF MULTIPLE DISCIPLINES, THIS CONTRACTOR SHALL DEVELOP FIELD COORDINATION DRAWINGS TO ASSIST IN THE INSTALLATION AS WELL AS A RECORD TO INDICATE THESE ISSUES TO THE ARCHITECT AND ENGINEER.

8. X-RAYING OF STRUCTURE: DO NOT CORE DRILL, PENETRATE OR CUT EXISTING CONCRETE FLOOR SLABS WITHOUT CONSULTING WITH THE BASE BUILDINGS STRUCTURAL ENGINEER OF RECORD, AND/OR A REGISTERED PROFESSIONAL STRUCTURAL ENGINEER. DO NOT PROCEED WITH WORK WITHOUT WRITTEN PERMISSION FROM THE ABOVE PROFESSIONALS. ARRANGE MOBILIZATION AND PAYMENT FOR X-RAY EQUIPMENT, IF NECESSARY, TO INVESTIGATE ALL POTENTIAL STRUCTURAL IMPEDIMENTS.

). GUARANTEE EQUIPMENT AND WORKMANSHIP FOR A PERIOD OF ONE YEAR BEGINNING FROM THE DAY OF FINAL ACCEPTANCE OF THE WORK OR BENEFICIAL OCCUPANCY BY THE OWNER, WHICHEVER OMES FIRST. GUARANTEE WORK SHALL BE PERFORMED PROMPTLY AND AT NO ADDITIONAL COST TO THE OWNER. GUARANTEE SHALL APPLY TO MATERIALS, EQUIPMENT AND SERVICES. WORK SHALL BE PERFORMED USING MECHANICS SKILLED IN THEIR RESPECTIVE TRADES.

10. INSTALL WORK IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS TECHNIQUES, SEQUENCES AND PROCEDURES FOR COORDINATING WORK UNDER THIS CONTRACT.

1. MAINTAIN THE CONSTRUCTION PREMISES IN A NEAT AND ORDERLY CONDITION AND CLEAN DEBRIS FROM THE SITE AT THE END OF EACH WORKING DAY.

12. IN CASES OF DOUBT AS TO THE WORK INTENDED, OR IN THE EVENT OF NEED FOR EXPLANATION THEREOF, REQUEST SUPPLEMENTARY INSTRUCTIONS FROM THE ENGINEER. NO CHANGES ARE TO BE MADE TO THE WORK OF THIS CONTRACT WITHOUT PRIOR KNOWLEDGE AND APPROVAL OF THE ARCHITECT AND ENGINEER. HOLD THE OWNER AND ITS CONSULTANTS HARMLESS AGAINST CLAIMS AND JUDGEMENTS ARISING OUT OF THE CONTRACTOR'S PERFORMANCE OF THE WORK OF THIS CONTRACT. DO NOT PROCEED WITH ANY WORK, FOR WHICH ADDITIONAL COMPENSATION IS EXPECTED BEYOND THE CONTRACT AMOUNT, WITHOUT AUTHORIZATION FROM THE APPROPRIATE AUTHORITY. FAILURE TO OBTAIN SUCH AUTHORIZATION SHALL INVALIDATE ANY CLAIM FOR EXTRA COMPENSATION.

13. WHEREVER FIRE RATED PARTITIONS OR CONCRETE SLABS ARE PENETRATED BY FEEDER CONDUITS, BRANCH CIRCUIT CONDUIT, CABLING AND CABLE TRAYS; THE PENETRATIONS SHALL BE SEALED WITH CODE APPROVED, LABORATORY TESTED AND LABELED SEALANT OF THE FIRE RESISTANCE RATING, WHICH IS NOT LESS THAN THAT OF THE PENETRATED ASSEMBLY.

14. PACKAGED EQUIPMENT SHALL BE INDEPENDENTLY THIRD PARTY LABELED AS A SYSTEM FOR ITS INTENDED USE BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) IN ACCORD WITH THE OCCUPATIONAL SAFETY HEALTH ADMINISTRATION (OSHA) REGULATIONS, AS WELL AS NFPA 70 (THE NATIONAL ELECTRICAL CODE).

5. PANELBOARDS: WHERE EXISTING PANELBOARDS ARE INDICATED TO BE REUSED, PROVIDE NEW CB'S AS REQUIRED FOR NEW BRANCH CIRCUITING SHOWN.

16. CONDUCTORS: ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE. ALL FEEDER AND BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER WITH TYPE THW OR THHN INSULATION RATED FOR OPERATIONS AT 600 VOLTS. MINIMUM SIZE OF BRANCH CIRCUIT CONDUCTOR SHALL BE No. 12 AWG UNLESS OTHERWISE NOTED AND/OR SPECIFIED. CONDUCTORS No. 8 AWG AND LARGER SHALL BE STRANDED. No. 10 AND No. 12 AWG SHALL BE SOLID CONDUCTOR.

A. MINIMUM CONDUCTOR SIZE TO BE #12AWG UNLESS NOTED OTHERWISE.

B. ALL CONDUCTORS MUST BE INSTALLED IN CONDUIT, UNLESS NOTED OTHERWISE. C. A GREEN COLORED INSULATED EQUIPMENT GROUND CONDUCTOR SHALL BE PROVIDED FOR ALL FEEDERS AND BRANCH CIRCUITS. GROUND CONDUCTOR SHALL BE INSTALLED THE SAME RACEWAY AS THE RELATED PHASE AND NEUTRAL CONDUCTORS..

17. CABLES: METAL CLAD CABLE (MC) WITH AN INSULATED GREEN GROUND CONDUCTOR SHALL BE JSED IN ALL CONCEALED BRANCH WIRING APPLICATIONS UNLESS OTHERWISE NOTED. TYPE ARMOR CLAD CABLE (AC) OR BX CABLE IS NOT PERMITTED.

A. THE USE OF ROMEX OR BX CABLE IS NOT PERMITTED.

18. INSTALLATION OF CONDUIT AND CABLE:

A. CABLE AND CONDUIT SHALL BE INSTALLED CONCEALED IN FINISHED AREAS. BRANCH CIRCUITS

INSTALLED IN UNFINISHED AREAS SHALL BE INSTALLED IN CONDUIT. B. ALL EMPTY CONDUITS SHALL BE INSTALLED WITH PULL LINES.

C. CONDUITS INSTALLED INDOORS SHALL BE EMT.

D. CONDUITS SERVING MOTORS OR VIBRATING EQUIPMENT INSTALLED IN INDOOR DRY LOCATIONS

SHALL BE FLEXIBLE METALLIC CONDUIT (FMC) E. ALL CONNECTORS FOR SOLID CONDUIT (EMT AND IMC) SHALL BE COMPRESSION TYPE FITTINGS. ALL

CONNECTORS FOR FLEXIBLE CONDUIT AND CABLE SHALL BE UL LISTED FOR USE WITH THAT EQUIPMENT. F. ALL CABLE AND CONDUIT SHALL BE INSTALLED PARALLEL AND PERPENDICULAR TO BUILDING LINES AND SHALL BE PROPERLY SUPPORTED AS RECOMMENDED BY THE NEC. THE ABOVE SHALL NOT BE SUPPORTED BY MECHANICAL PIPING OR TIED TO DUCTWORK HANGERS. CABLES SHALL NOT BE

SUPPORTED BY OTHER ELECTRICAL CONDUIT. G. WHERE BRANCH CIRCUIT CABLE ENTERS AN ELECTRICAL ROOM/CLOSET. THE WIRES/CABLES SHALL

BE INSTALLED IN CONDUIT. THE CONDUITS SHALL BE PULLED INTO THE ROOM, DRESSED AND TRAINED INTO SINGLE AND DOUBLE ROWS, WHICH ARE NEATLY FASTENED TO KINDORF RACK VIA THE PROPER TYPE OF CABLE PRESSURE CONNECTORS. THE CONDUIT SHALL BE SUPPORTED AND SMOOTHLY TRANSITIONED INTO THE INDICATED BRANCH CIRCUIT PANELBOARD.

H. COORDINATE ALL CONDUITS, AND CABLE RUNS WITH MECHANICAL PIPING AND DUCTWORK TO AVOID

I. CONDUITS SHALL NOT BE USED AS EQUIPMENT GROUND RETURN PATHS. SEE 18. D. ABOVE J. PROVIDE PITCHPOCKETS WHERE CONDUITS PENETRATE THE ROOF. HORIZONTAL PORTIONS OF CONDUIT EXPOSED ON THE ROOF AND FEEDING EQUIPMENT SHALL NOT BE MORE THAN 5'-0" UNLESS

K. THREAD LUBRICATION/SEALANT IS REQUIRED ON OUTDOOR AND UNDERGROUND THREADED METAL

THE WRITTEN APPROVAL FROM ARCHITECT OR ENGINEER IS OBTAINED.

L. RACEWAYS SHALL BE PROVIDED WITH EXPANSION FITTINGS WHERE NECESSARY TO COMPENSATE FOR THERMAL EXPANSION AND CONTRACTION. M. SURFACE RACEWAYS SHALL BE AS INDICATED ON DRAWINGS AND INSTALLED AS A COMPLETE

SYSTEM WITH ALL REQUIRED FITTINGS AND APPURTENANCES. RECEPTACLES/OUTLETS AS INDICATED ON PLAN. INSTALL RACEWAYS PARALLEL AND PERPENDICULAR TO BUILDING ELEMENTS. N. FOR WIRE IDENTIFICATION, USE BRADY "QUICK LABELS" ON ALL CONDUCTORS AT THE TERMINATION OF THE RUN AND ALL OUTLETS. CODING SCHEME IS THE RESPONSIBILITY OF THE CONTRACTOR, BUT IS GENERALLY TO FOLLOW THE TERMINAL NUMBERING OF THE PANEL BOARD, ARRANGE THIS CODING SCHEME SO AS TO PROVIDE QUICK AND EASY IDENTIFICATION. IDENTIFY EACH FEEDER CIRCUIT IN PULL AND JUNCTION BOXES WITH ONE (1) INCH HIGH PAINED NUMBERS ON THE EXTERIOR OF THE BOX AND A STAMPED FIBER TAG ON THE INTERIOR.

19. OUTLET BOXES:

A. AT ALL OUTLETS OF WHATEVER KIND, FOR ALL SYSTEMS, PROVIDE A SUITABLE BOX SPECIFICALLY DESIGNED TO RECEIVE THE TYPE OF FIXTURE OR DEVICE TO BE MOUNTED THEREON. PROVIDE FIXTURE OUTLETS BOXES WITH SUITABLE FIXTURE SUPPORTS OF SIZES AND TYPES REQUIRED FOR THE FIXTURE TO BE INSTALLED

B. PROVIDE JUNCTION OR PULL BOXES WHERE INDICATED, WHERE REQUIRED TO FACILITATE WIRE PULLING, OR WHERE REQUIRED BY THE NEC. FABRICATED BOXES WITH TWELVE (12) GAUGE MINIMUM GALVANIZED STEEL AND EQUIP WITH SCREW COVER, SIZE BOX PER NEC. LABEL ALL CIRCUITS ON EXTERIOR OF BOX WITH ONE (1) INCH HIGH STENCILED LETTERS. C. OUTLET BOXES ARE BEING INSTALLED FLUSH IN WALLS SHALL BE RIGIDLY SUPPORTED ON TWO (2)

D. ALL OUTLET BOXES SHALL BE, AS A MINIMUM, FOUR (4) INCHES BY FOUR (4) SQUARE, No. 1900

20. WIRING DEVICES:

A. ALL LIGHTING SWITCHES SHALL BE RATED 20 AMPERE 120/277 VOLT AC QUIET TYPE SNAP SWITCHES. B. PROVIDE NEMA 5-20R DUPLEX 125 VOLT GROUNDING TYPE RECEPTACLES UNLESS OTHERWISE

C. RECEPTACLES REQUIRING AMPERAGES, VOLTAGES OR CONFIGURATIONS DIFFERENT FROM DUPLEX RECEPTACLES ABOVE SHALL BE AS INDICATED ON THE DRAWINGS D. ALL WIRING DEVICES, SHALL BE WHITE IN COLOR OR APPROVED BY THE ARCHITECT AND MANUFACTURED BY HUBBELL, LEVITON OR APPROVED EQUIVALENT. ALL EXISTING DEVICES TO REMAIN

E. PROVIDE DEVICE PLATES FOR OUTLET BOXES AS FOLLOWS UNLESS NOTED OTHERWISE:

1. FINISHED AREAS: PRIME PAINTED STEEL IN THE COLOR OF THE DEVICE. 2. UNFINISHED AREAS: ZINC COATED SHEET METAL, ALUMINUM, OR CAST METAL AS APPROPRIATE FOR THE TYPE OF BOX.

3. WHERE MORE THAN ONE DEVICE IS INDICATED, PROVIDE A MULTI-GANG BOX AND A COMMON GANG DEVICE PLATE.

21. TELEPHONE AND DATA OUTLETS:

A. PROVIDE PLASTER RING AND PULL WIRE TO ACCESSIBLE CEILING SPACE. INSTALL PLASTIC BUSHING IN METAL STUD TOP PLATE OR STUD OPENINGS TO AVOID CONDUCTOR DAMAGE, UNO. REFER TO SYMBOLS LEGEND FOR ADDITIONAL INFORMATION.

B. PROVIDE AN OUTLET BOX AND 1" EMPTY CONDUIT WITH PULL STRING WHERE LOCATION IS IN AN INSULATED WALL PARTITION OR DOES NOT HAVE A CLOSE ACCESSIBLE CEILING, UNO. REFER TO SYMBOLS LEGEND FOR ADDITIONAL INFORMATION.

C. ALL TELEPHONE EQUIPMENT, INCLUDING ALL VENDOR ASSOCIATED EQUIPMENT, IS TO BE INSTALLED IN THE TENANT IT ROOM.

22. PROVIDE CUTTING AND PATCHING AS REQUIRED TO ACCOMPLISH THE ELECTRICAL WORK PORTRAYED ON THE DRAWINGS.

23. SAFETY SWITCHES SHALL BE RATED FOR OPERATION AT 240 VOLTS OR 600V AC (AS INDICATED) AND SHALL BE OF HEAVY-DUTY CONSTRUCTION. RATINGS SHALL BE AS INDICATED ON DRAWINGS. PROVIDE CATED ON THE DRAWINGS, OR WHEN REQUIRED BY THE EQUIPMEN MANUFACTURER OR THE NEC. SWITCHES SHALL BE AS MANUFACTURED BY SQUARE D, WESTINGHOUSE/CUTLER HAMMER OR GENERAL ELECTRIC.

24. LIGHTING FIXTURES:

A. LINEAR FLUORESCENT LAMPS SHALL BE 3500K, CRI +80 & 3100 LUMEN OUTPUT, UNLESS NOTED

B. COMPACT FLUORESCENT LAMPS SHALL BE 3500K, CRI +80 & 2400 LUMEN OUTPUT, UNLESS NOTED OTHERWISE.

C. ALL LIGHTING FIXTURES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR AS INDICATED ON THE LIGHTING FIXTURE SCHEDULE, INCLUDING LAMPS. LAMPS SHALL BE OF SAME

MANUFACTURER FOR ALL TYPES. D. ALL FIXTURES SHALL BEAR UNDERWRITERS LABORATORIES LABEL AND SHALL BE INSTALLED

ACCORDING TO MANUFACTURER'S INSTRUCTIONS. E. BALLASTS FOR LINEAR FLUORESCENT LAMPS SHALL BE ELECTRONIC. PARALLEL. INSTANT-START OR PROGRAM-START (PER LIGHTING FIXTURE SCHEDULE), NORMAL OUTPUT TYPE, LESS THAN 10% THD,

CBM AND ETL CERTIFIED, UNLESS NOTED OTHERWISE. F. EXISTING FIXTURES NOTED TO BE REUSED SHALL BE CLEANED AND RELAMPED.

G. HIGH INTENSITY DISCHARGE BALLASTS SHALL BE CONSTANT WATTAGE TYPE. H. THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY SUPPORT MEDIA FOR ALL LIGHTING FIXTURES INCLUDING STRUCTURAL MEDIA FOR ALL LIGHTING FIXTURES INCLUDING STRUCTURAL STEEL, ANGLE RODS, ETC. IN GENERAL, FLUORESCENT AND HIGH INTENSITY DISCHARGE FIXTURES SHALL BE SUPPORTED IN A MANNER ACCEPTABLE TO THE LOCAL INSPECTION AUTHORITIES. ALL FIXTURES SHALL BE FIRMLY SUPPORTED FROM BEAMS OR JOISTS.

1. PROVIDE ALL NECESSARY BACKING, BLOCKING AND SUPPORTS FOR WALL MOUNTED FIXTURES. 2. FIXTURES SHALL NOT BE SUPPORTED FROM ROOF DECK.

I. ALL FIXTURES SHALL BE UL LISTED AND APPROVED FOR THE PURPOSE.

INTERFACE WITH THE EXISTING BUILDING FIRE ALARM SYSTEM PANEL.

J. ALL ADJUSTABLE FIXTURES SHALL BE AIMED AND ADJUSTED DURING EVENING HOURS TO THE SATISFACTION OF THE ARCHITECT.

26. EXTENSION OF THE BUILDING FIRE ALARM SYSTEM:

A. FURNISH AND INSTALL ALL DEVICES, OUTLET BOXES, CONDUIT AND WIRE. FINAL CONNECTIONS AND TESTING FOR EXTENSION OF THE BASE BUILDING FIRE ALARM SYSTEM AS INDICATED HEREIN AND ON THE DRAWINGS.

B. ALL DEVICES SHALL BE COMPLETELY COMPATIBLE WITH THE EXISTING BUILDING FIRE ALARM SYSTEM. THE EXISTING BUILDING SYSTEM MANUFACTURER SHALL BE VERIFIED WITH BUILDING MANAGEMENT PRIOR TO PROCUREMENT. NO DEVIATION WILL BE ALLOWED WITHOUT SPECIFIC AUTHORIZATION FROM BUILDING MANAGEMENT.

C. CONTRACTOR SHALL ENGAGE AND PAY THE BUILDING FIRE ALARM SYSTEM WARRANTY PROVIDER TO MAKE ANY REQUIRED MODIFICATIONS TO THE BUILDING SYSTEM. COORDINATE WITH BUILDING D. DEVICES TO BE PROVIDED FOR THIS PROJECT INCLUDE, BUT ARE NOT LIMITED TO; NFPA 72 AND ADA

COMPLIANT FLASHING STROBE LIGHTS (MINIMUM 75 CANDELA, UNO), COMBINATION STROBE SPEAKERS, VOICE ALARM SPEAKERS AND PHOTOELECTRIC SMOKE DETECTORS. E. WHERE EXISTING SYSTEM CANNOT SUPPORT ADDITIONAL DEVICES. PROVIDE SYSTEM EXTENDER PANEL FOR ALL NEW CIRCUITS. NEW PANEL SHALL BE UL LISTED AND PROVIDE WITH BATTERY BACK-UP PER NFPA. CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT, WIRING AND DEVICES TO

F. WHERE MULTIPLE STROBE DEVICES ARE INSTALLED IN A COMMON AREA, PROVIDE SYNCHRONIZED STROBES TO ALLOW FLASH TO OCCUR SIMULTANEOUSLY.

G. ALL FIRE ALARM DEVICES TO BE WHITE IN COLOR. EXISTING FIRE ALARM DEVICES SHALL BE REPLACED IN WHITE.

H. WIRING:

1. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN MINIMUM OF 3/4" CONDUIT, EXCEPT USE UL RATED "MC" FIRE ALARM CABLE FROM JUNCTION BOX LOCATED ABOVE CEILING SPACE OVER THE STROBE, DOWN INSIDE THE WALL TO STROBE JUNCTION BOX. WHERE ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION (AHJ), THE CONTRACTOR MAY USE UL LISTED, MC FIRE ALARM CABLE. 2. ALL WIRING TO DEVICES SHALL BE SIZED AND INSTALLED PER MANUFACTURERS REQUIREMENTS.

3. FIRE ALARM WIRING SHALL NOT BE INSTALLED IN THE SAME CONDUIT OR JUNCTION BOXES AS POWER AND LIGHTING WIRING.

4. ALL WIRE SPLICING SHALL BE PERFORMED IN JUNCTION BOXES SIZED TO ACCOMMODATE TERMINAL

BLOCKS (NUMBER AS REQUIRED). ALL CONNECTIONS SHALL BE MADE WITH APPROVED CRIMP-ON TERMINAL SPADE LUGS, PRESSURE-TYPE TERMINAL BLOCKS OR PLUG CONNECTORS. CABLE TAPS OR T-TAPS WILL NOT BE PERMITTED.

I. FIELD QUALITY CONTROL AND TESTING: ALL TESTING SHALL BE PERFORMED IN THE PRESENCE OF A REPRESENTATIVE OF THE BUILDING MANAGEMENT.

1. DEMONSTRATE THAT THE ENTIRE TENANT FIRE ALARM SYSTEM FUNCTIONS IN ACCORDANCE WITH THE EXISTING BASE BUILDING SYSTEM OPERATION. TEST CIRCUITS OF AUTOMATIC ALARM CONDITIONS, MANUAL ALARM CONDITIONS AND EQUIPMENT SHUTDOWN IN ACCORDANCE WITH THE EXISTING BASE BUILDING SYSTEM OPERATION AND NFPA 72.

2. TEST CONDUCTORS FOR SHORT CIRCUITS USING AN INSULATION-TESTING DEVICE. 3. TEST INDICATING AND INITIATING CIRCUITS FOR PROPER SIGNAL TRANSMISSION UNDER OPEN CIRCUIT CONDITIONS.

4. TEST INDICATING AND INITIATING CIRCUITS FOR PROPER ALARM OPERATION AND RESPONSE AND ANNUNCIATION AT THE MAIN FIRE ALARM CONTROL PANEL.

5. TEST THE EXISTING AND NEW SYSTEMS FOR SPECIFIED FUNCTIONS ACCORDING TO THE EXISTING BASE BUILDING SYSTEM OPERATION. SYSTEMATICALLY INITIATE SPECIFIC FUNCTIONAL PERFORMANCE ITEMS AT EACH STATION, INCLUDING MAKING ALL POSSIBLE ALARM AND MONITORING INITIATIONS AND USING ALL COMMUNICATIONS OPTIONS. FOR EACH ITEM, OBSERVE RELATED PERFORMANCE AT ALL DEVICES AFFECTED BY THE ITEM UNDER ALL SYSTEM SEQUENCES. OBSERVE INDICATING LIGHTS,

SIGNAL TONES AND ANNUNCIATION INDICATIONS. 6. RETESTING: CORRECT DEFICIENCIES INDICATED BY TESTING AND COMPLETELY RETEST WORK AFFECTED BY SUCH DEFICIENCIES. VERIFY BY THE SYSTEM TEST THAT THE TOTAL SYSTEM MEETS THE EXISTING BASE BUILDING SYSTEM OPERATION STANDARD.

7. COORDINATE ALL ELECTRICAL DOOR STRIKES/LOCKS. 8. UPON ACTIVATION OF FLOOR FIRE ALARM, SMOKE DETECTORS, PULL STATION ETC., SHALL CAUSE THE RELEASE OF ALL SECURITY DOOR LOCKS/ELECTRIC DOOR STRIKE, AND TO SHUT DOWN HVAC UNITS SERVING THE TENANT AREA.

9. CONTRACTOR SHALL SUBMIT DRAWINGS, SHOP DRAWINGS, AND CUT SHEETS OF ADDED DEVICES TO THE BUILDING MANAGEMENT FOR REVIEW, AND TO COMPLY WITH ALL BUILDING REQUIREMENTS PRIOR TO THE INSTALLATION OF ANY FIRE ALARM DEVICES.

B. DEMOLITION

A. REMOVE/RELOCATE SUCH WORK AS REQUIRED TO PERMIT NEW CONSTRUCTION. B. EXCEPT AS OTHERWISE NOTED, ALL EXISTING ELECTRICAL WORK WHICH WILL NOT BE RENDERED OBSOLETE AND WHICH MAY BE DISTURBED DUE TO ANY CHANGES REQUIRED UNDER THIS CONTRACT SHALL BE RESTORED TO ITS ORIGINAL OPERATING CONDITION. OTHER ELECTRICAL WORK OR MATERIAL RENDERED OBSOLETE SHALL BE REMOVED UNLESS OTHERWISE NOTED.

C. WHERE EXISTING ELECTRICAL WORK INTERFERES WITH NEW WORK AND WHERE SUCH INSTALLATIONS ARE TO REMAIN IN USE, THE INSTALLATIONS SHALL BE RELOCATED AND/OR RECONNECTED TO COORDINATE WITH THE WORK INDICATED ON THE CONTRACT DRAWINGS AND AS SPECIFIED. FOR EXISTING INSTALLATION WHICH INVOLVE BASE BUILDING SYSTEMS, OBTAIN APPROVAL

OF OWNER'S REPRESENTATIVE PRIOR TO MAKING ANY MODIFICATIONS. D. WHERE EXISTING RACEWAYS THAT ARE NOT TO BE RE-USED INTERFERE WITH NEW WORK, THESE RACEWAYS SHALL BE REMOVED BACK TO THE NEAREST JUNCTION BOX AND THE OPENINGS BLANKED

E. MAINTAIN CONTINUITY OF THOSE FEEDERS AND/OR BRANCH CIRCUITS SERVING MULTIPLE ITEMS OF WHICH ONE OR MORE ARE BEING REMOVED. CONDUCTORS AND CONDUITS FOR THOSE ITEMS BEING REMOVED SHALL BE DISCONNECTED AND REMOVED AS FAR BACK TO THE SOURCE AS PRACTICAL. REMOVE BACK TO SOURCE IF POSSIBLE.

F. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT IN THE AREAS TO BE RENOVATED. INCLUDING LIGHTING FIXTURES, SWITCHES, EXPOSED CONDUIT, SURFACE AND FLUSH DEVICE BOXES, DEVICE PLATES, ETC. REMOVE ALL ACCESSIBLE WIRING & CONDUIT BACK TO EXISTING PANELS. CUT BACK, CAP AND ABANDON ALL CONCEALED CONDUITS.

1. PANELS, FEEDERS, TRANSFORMERS, FIRE ALARM SYSTEM UNO.

2. EQUIPMENT INDICATED ON THE DRAWINGS TO REMAIN.

3. EQUIPMENT INDICATED BY BASE BUILDING OWNER TO REMAIN.

G. MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS AND FEEDERS PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREAS. H. CONTRACTOR SHALL CLEAN THE PROJECT SITE AT THE END OF EACH WORKING DAY AFTER REMOVAL OF ALL DEVICES, CONTRACTOR SHALL TURN ALL DEVICES OVER TO OWNER'S REPRESENTATIVE FOR INSPECTION. AFTER INSPECTION BY THE OWNER'S REPRESENTATIVE, ALL UNUSED MATERIALS SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY DISPOSED. I. HOLES IN FLOORS, WALLS AND CEILINGS TO REMAIN WHICH ARE CAUSED BY DEMOLITION OR REMOVAL OF ELECTRICAL CONDUITS, PANELS, FEEDERS AND EQUIPMENT SHALL BE PATCHED/REPAIRED TO MATCH THE SURROUNDING SURFACE AND TO MAINTAIN REQUIRED FIRE

J. ALL ELECTRICAL INSTALLATIONS OUTSIDE THE CONSTRUCTION AREA WHICH ARE DISRUPTED OR DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE BUILDING OWNER.

2. PROTECTION:

A. PROTECT FROM DAMAGE ALL EXISTING WORK TO REMAIN. ANY EXISTING-TO-REMAIN OR EXISTING-TO-BE-RELOCATED MATERIALS AND EQUIPMENT DAMAGED DURING THE COURSE OF THE WORK SHALL BE REPLACED WITH MATERIALS AND EQUIPMENT CONFORMING TO THESE SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.

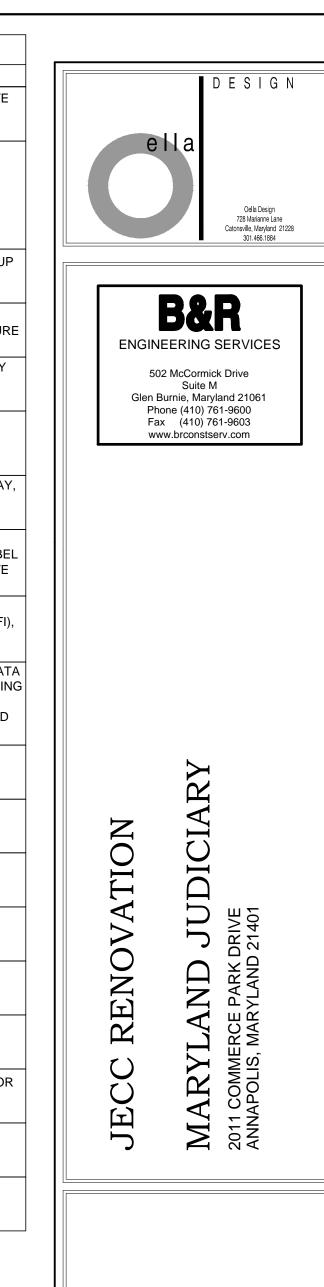
3. TERMINATION AND PATCHING:

A. DISCONNECT EXISTING-TO-BE-REMOVED OR EXISTING-TO-BE-RELOCATED CONDUIT. WIRING. CABLING, AND EQUIPMENT FROM EXISTING-TO-REMAIN POINTS INDICATED. IF NOT INDICATED, VERIFY POINT WITH THE OWNER'S REPRESENTATIVE PRIOR TO DISCONNECTION. B. CAP EXISTING-TO-REMAIN WALL OUTLETS, JUNCTION BOXES, WITH DEVICE PLATES TO MATCH

C. WHERE EXISTING FLOORS, WALLS AND ROOFS MUST BE CUT OR ARE DAMAGED DURING REMOVAL OR RELOCATION OF ELECTRICAL WORK, PATCH THE CUT OR DAMAGED AREAS TO MATCH ADJACENT CONSTRUCTION.

| | ELECTRICAL AB | BRFVI | IATIONS |
|----------|--|-------|--|
| <u> </u> | EXISTING TO REMAIN | MCA | MINIMUM CIRCUIT AMPACITY |
|) | | 1 | |
|) | RELOCATED EXISTING | MCB | MAIN CIRCUIT BREAKER |
| R) | REMOVE AND RELOCATE | MECH | MECHANICAL |
| | AMPS OR AMPERES | MEP | MECHANICAL, ELECTRICAL, PLUMBING |
| DΑ | AMERICANS WITH DISABILITIES ACT COMPLIANCE | MLO | MAIN LUG ONLY |
| F | ABOVE FINISHED FLOOR | МОСР | MAXIMUM OVERCURRENT PROTECTION |
| С | AMPERES INTERRUPTING CAPACITY | N | NEUTRAL |
| RCH | ARCHITECT, ARCHITECTURAL | NEC | NATIONAL ELECTRICAL CODE |
| VG | AMERICAN WIRE GAUGE | NEMA | NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION |
| .DG | BUILDING | NFSS | NON-FUSED SAFETY SWITCH |
| | CONDUIT; CONDUCTOR | NFPA | NATIONAL FIRE PROTECTION ASSOCIATION |
| VG | DRAWING | NIC | NOT IN CONTRACT |
| EC | ELECTRICAL | Р | PUMP; POLES |
| ИT | ELECTRICAL METALLIC TUBING | PH; Ø | PHASE |
| (| EXISTING | PNL | PANELBOARD |
| A | FULL LOAD AMPS | QUAD | QUADRAPLEX |
| S | FUSED SAFETY SWITCH | REF | REFRIGERATOR |
| GRD | GROUND | RCPT | RECEPTACLE |
| 1 | GROUND FAULT CIRCUIT INTERRUPTER | TYP | TYPICAL |
|) | HORSEPOWER | UL | UNDERWRITER'S LABORATORY |
| | JUNCTION BOX | UNO | UNLESS NOTED OTHERWISE |
| CMIL | THOUSAND CIRCULAR MILS | V | VOLTS |
| /A | KILOVOLT AMPERES | W | WATT(S); WIRE |
| V | KILOWATT | XFMR | TRANSFORMER |
| G | LIGHTING | | • |

| | ELECTRICAL SYMBOLS |
|--------------------------------------|---|
| SYMBOL | DESCRIPTION |
| XX ## | BRANCH CIRCUIT HOMERUN. NUMBER OF ARROWHEADS INDICATE NUMBER OF CIRCUITS. 2#12, 1#12G - 3/4" CONDUIT MINIMUM. |
| 5 CKT NO 5 M SWITCH CONTROL | LIGHT FIXTURE - SEE LIGHT FIXTURE SCHEDULE |
| • • | INDICATES LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP |
| 0 0 | DOWNLIGHT TYPE LIGHT FIXTURE, OPEN OR WALLWASH TYPE. NUMBER OR LETTER INDICATES TYPE. REFER TO LIGHTING FIXTUR SCHEDULE. |
| ⊗ • | EXIT LIGHTING FIXTURE, SINGLE OR DOUBLE FACE; WITH BATTERY BACK-UP, UNO. BATTERY SHALL BE SIZED AND RATED FOR THE FULL LOAD FOR A MINIMUM OF 90 MINUTES. |
| | EXIT LIGHTING FIXTURE-SINGLE OR DOUBLE FACE WITH DIRECTIONAL ARROWS AS INDICATED; WITH BATTERY BACK-UP, UNO. BATTERY SHALL BE SIZED AND RATED FOR THE FULL LOAD FOR A MINIMUM OF 90 MINUTES. |
| \$ \$ ³ \$ ⁴ | LIGHTING CONTROL TOGGLE SWITCHES, SINGLE POLE, THREE-WAY FOUR-WAY. MOUNT +46" AFF UNO. |
| GFI 1 3 5 | RECEPTACLE, 20A, 125V - SIMPLEX, DUPLEX, DOUBLE DUPLEX; MOUNT +18" AFF UNO. NUMBER INDICATES CIRCUIT NUMBER. LABE DEVICE PLATE WITH PANEL ID AND CIRCUIT NUMBER. GFI INDICATE GROUND FAULT CIRCUIT INTERRUPTER. |
| ³ ₽ | DUPLEX RECEPTACLE, COUNTER HEIGHT; MOUNTED HORIZONTALLY, GROUND FAULT CIRCUIT INTERRUPTER TYPE (GFI) 20A, 125V. NUMBER INDICATES CIRCUIT NUMBER. LABEL DEVICE PLATE WITH PANEL ID AND CIRCUIT NUMBER. |
| 3 @7 | FLUSH FLOOR MOUNTED COMBINATION POWER & TELEPHONE/DAT DEVICE. PROVIDE 3/4" CONDUIT & PLASTER RING WITH PULL STRIN FROM DEVICE UP TO ACCESSIBLE CEILING SPACE. NUMBER INDICATES CIRCUIT NUMBER. LABEL DEVICE PLATE WITH PANEL ID AND CIRCUIT NUMBER. |
| о он | JUNCTION BOX |
| | BRANCH CIRCUIT CONCEALED IN CEILING OR WALL. |
| | BRANCH CIRCUIT OR FEEDER INSTALLED IN CONCRETE SLAB OR INSTALLED BELOW GRADE. |
| | ELECTRICAL PANELBOARD, SURFACE OR RECESSED MOUNTED 208Y/120V. |
| \$ | SMOKE DETECTOR. |
| F | FIRE ALARM MANUAL PULL STATION. |
| 15 L | SEMI-FLUSH CEILING MOUNTED MULTI-CANDELA VISUAL ALARM (OR FLASHING STROBE), NUMBER INDICATES CANDELA RATING AS SHOWN AND PER UL 1971. WHITE FINISH WITH RED LETTERS. |
| 110 AL | SEMI-FLUSH CEILING MOUNTED COMBINATION MULTI-CANDELA AUDIBLE/ VISUAL ALARM, CANDELA RATING PER UL 1971. WHITE FINISH WITH RED LETTERS. |
| 4 | EMERGENCY BATTERY PACK LIGHT FIXTURE. BATTERY SHALL BE SIZED AND RATED FOR THE FULL LOAD FOR A MINIMUM OF 90 MINUTES. |



Professional Certification I hereby certify that these documents are prepared or approved by me, and that I am a duly licensed professional engineer under the License No. 200391 Expiration Date: 01 MAR 2017

> 16011/2777 JECC RENOVATION As indicated MLK checked by

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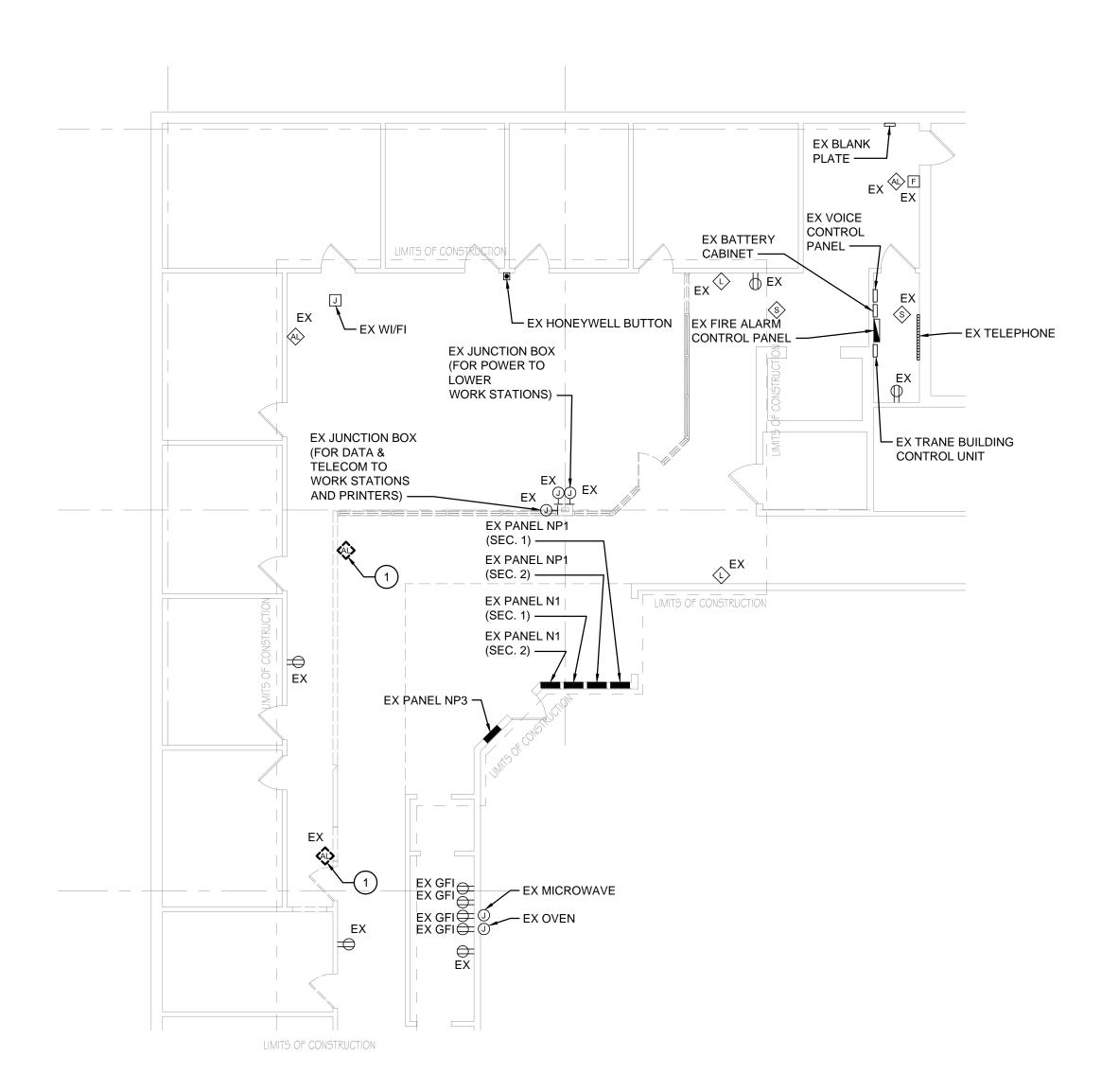
05/16/16 revision date # date description

DATA SHEET ELECTRICAL

sheet number

GENERAL DEMOLITION NOTES:

- 1. REFER TO ELECTRICAL DATA SHEET FOR GENERAL DEMOLITION NOTES.
- 2. REMOVE ALL ELECTRICAL DEVICES, INCLUDING RECEPTACLES AND COMMUNICATION OUTLETS INDICATED. REMOVE ALL ASSOCIATED WIRING & CONDUIT BACK TO SOURCE. IDENTIFY EXISTING HOMERUN CIRCUITS FOR RE-USE IN NEW POWER PLAN.
- 3. COORDINATE DEMOLITION WORK WITH ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS. PRIOR TO START OF DEMOLITION, IDENTIFY ALL ELECTRICAL DEVICES AND FIXTURES EXISTING TO REMAIN.



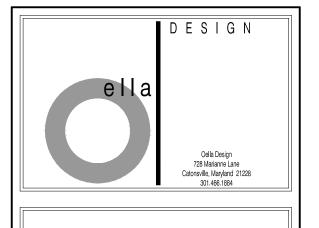
DEMOLITION PLAN - ELECTRICAL Scale: 1/8" = 1'-0"

GENERAL NOTES:

- 1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH NEC AND ALL APPLICABLE CODES.
- 2. MAINTAIN CONTINUITY OF EXISTING CIRCUITS THAT WERE DISTURBED DUE TO DEMOLITION.
- 3. LOCATION AND MOUNTING HEIGHTS FOR ELECTRICAL DEVICES SHALL BE COORDINATED WITH THE ARCHITECT AND/OR BUILDING ENGINEER PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR OUTLET AND FACEPLATE COLOR.
- 4. BASE BUILDING FIRE ALARM VENDOR TO PERFORM ALL FINAL TIE-INS. ALL FIRE ALARM DEVICES AND WIRING TO MATCH EXISTING BASE BUILDING, THIS IS TO BE VERIFIED BY THE BASE BUILDINGS FIRE ALARM VENDOR. CONTRACTOR IS RESPONSIBLE TO UPDATED THE BASE BUILDING FIRE ALARM DRAWINGS LOCATED IN THE ENGINEERS OFFICE. THIS ALSO INCLUDES UPDATING THE FIRE ALARM DEVICE ADDRESS BOOK.
- 5. ALL ELECTRICAL DEVICES SHOWN THIN & SOLID ARE EXISTING, UNO. ALL DEVICES SHOWN HEAVY & SOLID ARE PROPOSED.
- 6. PROVIDE TYPEWRITTEN SCHEDULES FOR ALL PANELBOARDS UTILIZED AT COMPLETION OF PROJECT, INDICATED ACTUAL AS-BUILT CONDITIONS. SCHEDULES SHALL INCLUDE CIRCUIT NUMBER, EQUIPMENT SERVED, BREAKER TRIP SETTING AND WIRE AND CONDUIT SIZES.
- 7. REFER TO EXISTING PANEL N1 FOR ALL CIRCUITS UNO.

DRAWING NOTES:

- 1. EXISTING FIRE ALARM DEVICE TO BE RELOCATED. REFER TO NEW WORK ELECTRICAL PLAN FOR NEW LOCATION.
- 2. RELOCATED FIRE ALARM DEVICE.
- 3. EXISTING POWER AND COMMUNICATION CONNECTIONS FOR MODULAR WORKSTATIONS. EXTEND AND CONNECT EACH WHIP TO NEW MODULAR WORKSTATIONS.
- 4. TWO JUNCTION BOXES, ONE POWER AND ONE COMMUNICATION, FOR CONNECTION TO MODULAR WORKSTATIONS.
- 5. PREP FOR ELECTRIC STRIKE RING AND STRING. STRIKE AND WIRE WILL BE BY OTHERS.
- 6. FED FROM EXISTING PANEL N1, CIRCUITS 61, 63, 65 AND 67.
- 7. PROVIDE POWER TO PRINTERS TO EXISTING PANEL N1 CIRCUITS 72, 74 AND THREE NEW UPPER WORKSTATIONS TO CIRCUITS 76, 78. PRINTERS WILL BE FED THROUGH THE FURNITURE PANELS.



B&R **ENGINEERING SERVICES**

502 McCormick Drive Suite M Glen Burnie, Maryland 21061 Phone (410) 761-9600 Fax (410) 761-9603 www.brconstserv.com

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Professional Certification:
I hereby certify that these documents are prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland License No. 200391 Expiration Date: 01 MAR 2017

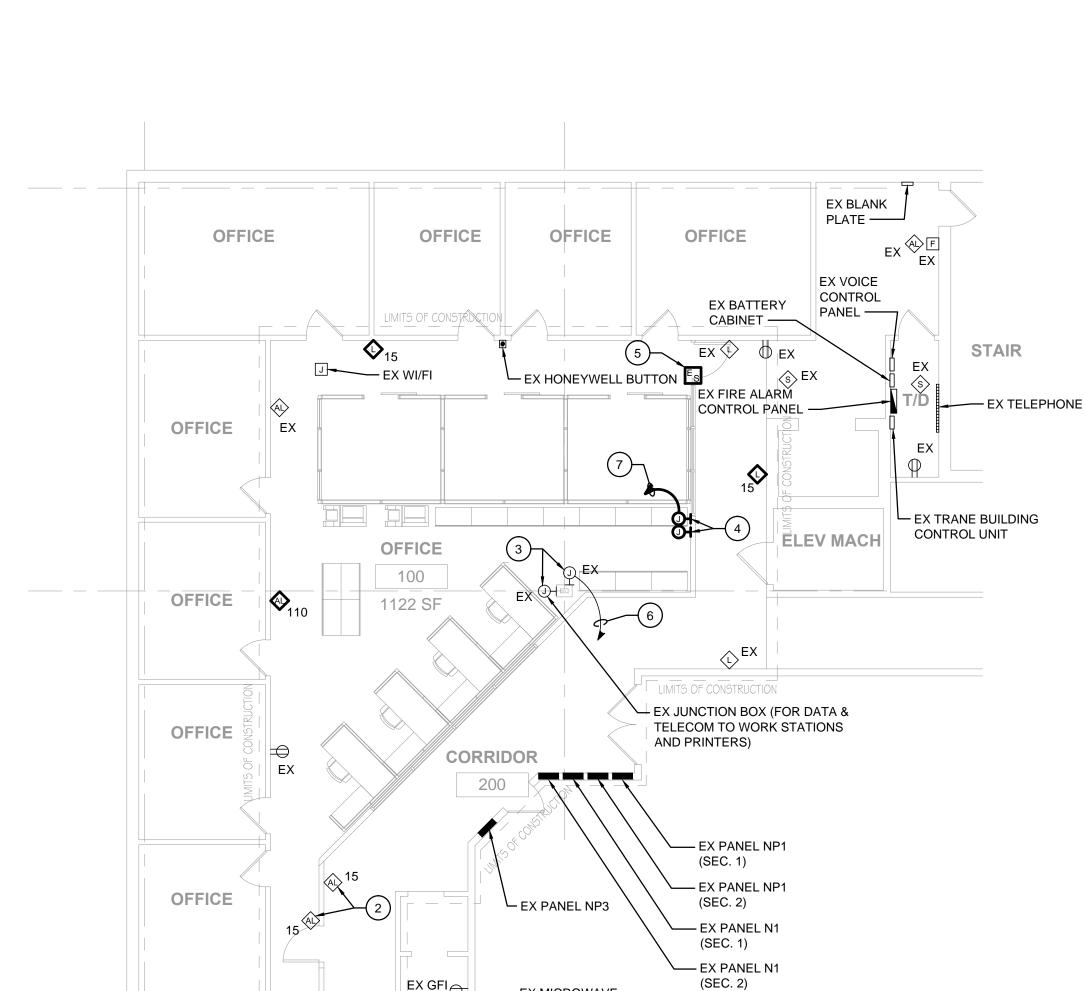
project number I 60 I I / 2777 JECC RENOVATION As indicated MLK checked by BRT

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drawing date **05/16/16** revision date # date description

FLOOR PLANS -ELECTRICAL

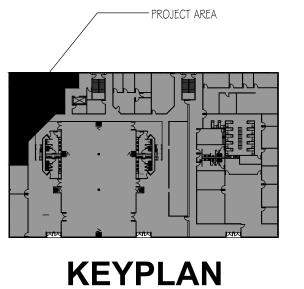
sheet number E1.11



NEW WORK PLAN - ELECTRICAL Scale: 1/8" = 1'-0"

LIMITS OF CONSTRUCTION

STORAGE





NORTH

GENERAL DEMOLITION NOTES:

- 1. REFER TO ELECTRICAL DATA SHEET FOR GENERAL DEMOLITION NOTES.
- 2. REMOVE ALL LIGHT FIXTURES INDICATED. REMOVE ALL ASSOCIATED WIRING & CONDUIT BACK TO SOURCE. IDENTIFY EXISTING HOMERUN CIRCUITS FOR RE-USE IN NEW LIGHTING PLAN.
- 3. COORDINATE DEMOLITION WORK WITH ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS. PRIOR TO START OF DEMOLITION, IDENTIFY ALL ELECTRICAL DEVICES AND FIXTURES EXISTING TO REMAIN.

DEMOLITION PLAN - LIGHTING Scale: 1/8" = 1'-0"

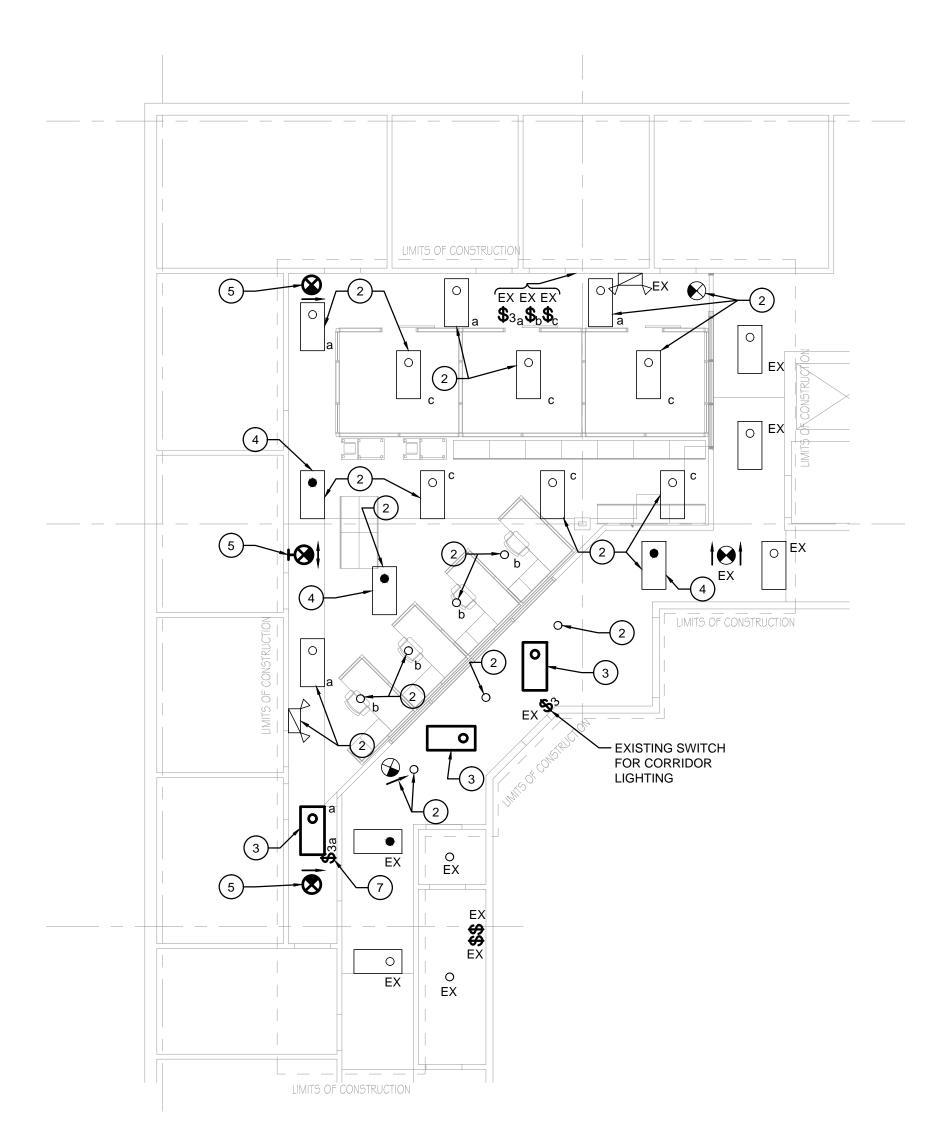
LIMITS OF CONSTRUCTION

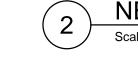
GENERAL NOTES:

- 1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH NEC AND ALL APPLICABLE CODES.
- 2. MAINTAIN CONTINUITY OF EXISTING CIRCUITS THAT WERE DISTURBED DUE TO DEMOLITION.
- 3. LOCATION AND MOUNTING HEIGHTS FOR ELECTRICAL DEVICES SHALL BE COORDINATED WITH THE ARCHITECT AND/OR BUILDING ENGINEER PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR OUTLET AND FACEPLATE COLOR.
- 4. ALL ELECTRICAL DEVICES SHOWN THIN & SOLID ARE EXISTING, UNO. ALL DEVICES SHOWN HEAVY & SOLID ARE PROPOSED.
- 5. PROVIDE TYPEWRITTEN SCHEDULES FOR ALL PANELBOARDS UTILIZED AT COMPLETION OF PROJECT, INDICATED ACTUAL AS-BUILT CONDITIONS. SCHEDULES SHALL INCLUDE CIRCUIT NUMBER, EQUIPMENT SERVED, BREAKER TRIP SETTING AND WIRE AND CONDUIT SIZES.
- 6. PROVIDE PERMANENT PHENOLIC NAMEPLATES, BLACK W/ WHITE LETTERING, FOR ALL PANELBOARDS, TRANSFORMERS, MECHANICAL EQUIPMENT, PLUMBING EQUIPMENT AND FOR ALL ASSOCIATED DISCONNECT SWITCHES, STARTERS, ETC..
- 7. REFER TO EXISTING PANEL N1 FOR ALL CIRCUITS UNO.
- 8. CONNECT ALL EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES TO CIRCUIT INDICATED, AHEAD OF LOCAL SWITCHING, VIA #12 AWG IN 3/4" CONDUIT.

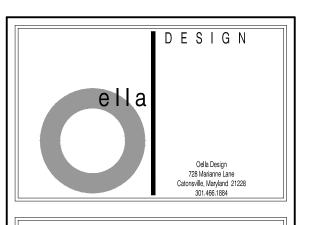
DRAWING NOTES:

- 1. EXISTING LIGHTING FIXTURE TO BE RELOCATED. REFER TO NEW WORK LIGHTING PLAN FOR NEW LOCATION.
- 2. RELOCATED LIGHTING FIXTURE.
- 3. PROVIDE NEW 2X4 LIGHTING FIXTURE TO MATCH EXISTING. CONNECT TO EXISTING LIGHTING CIRCUIT AND CONTROLS IN THIS AREA VIA #12 AWG IN 3/4" CONDUIT. 2X4 FIXTURE: 105 CELL PARABOLIC WITH 2-32W T8 LAMPS.
- 4. CONNECT TO EMERGENCY LIGHTING CIRCUIT SERVING THIS AREA.
- 5. PROVIDE NEW EXIT SIGN TO MATCH EXISTING. CONNECT TO LIGHTING CIRCUIT SERVING THIS AREA, AHEAD OF LOCAL SWITCHING VIA #12 AWG IN 3/4" CONDUIT. EXIT SIGN: WHITE THERMOPLASTIC HOUSING WITH NI-CAD BATTERY AND RED LETTERS.
- 6. EXISTING SWITCH TO BE RELOCATED. REFER TO NEW WORK LIGHTING PLAN FOR NEW LOCATION.
- 7. RELOCATED SWITCH.





NEW WORK PLAN - LIGHTING Scale: 1/8" = 1'-0"



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project number I 60 I I / 2777 JECC RENOVATION

As indicated MLK

MARYLAND JUDICIARY

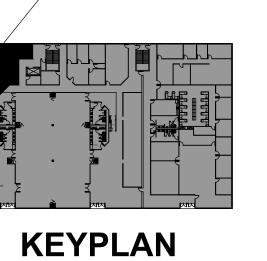
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revision date # date description

FLOOR PLANS -

LIGHTING

E1.12





NORTH

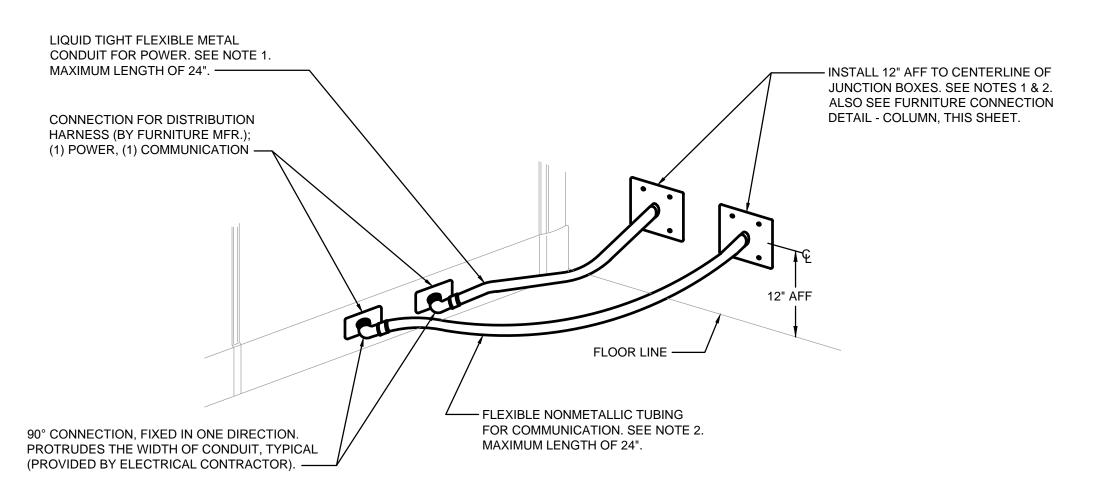
| | | | | E | X F | AN | IEL | . " | N1 | ' SE | EC | TIC | N | 1 | | | | |
|----------------------|-----------|-----|-------|-------|------|------------|------|-------|-----------|-------|------|------|------|------|-------|-----|-----------|-----------------------|
| | | | 2 | 08/12 | 0V 3 | PHA | SE 4 | 1 WIF | RE 1 | 50A M | СВ | FLU | SH M | 10UN | TED | | | |
| Description | Wire Size | | kVA/q | Þ | BR | KR | CIR- | ΑФ | ВФ | СФ | CIR- | BR | KR | ŀ | (VA/d | | Wire Size | Description |
| | | ΑФ | ВФ | СФ | POLE | AMP | CUIT | | | c | UIT | POLE | AMP | ΑФ | ВФ | СФ | | |
| EX RECPT - 0202F | | 0.8 | | | 1 | 20 | 1 | | | | 2 | 1 | 20 | 0.6 | | | | EX RECPT - 0226 |
| X RECPT - 0202F | | | 0.6 | | 1 | 20 | 3 | | | | 4 | 1 | 20 | | 8.0 | | | EX RECPT - 0225 |
| X RECPT - 0202D | | | | 0.8 | 1 | 20 | 5 | | | | 6 | 1 | 20 | | | 0.6 | | EX RECPT - 0226 |
| X RECPT - 0202B | | 1 | | | 1 | 20 | 7 | | | | 8 | 1 | 20 | 0.4 | | | | EX RECPT - 0223 |
| X RECPT - 0202B | | | 1 | | 1 | 20 | 9 | | | | 10 | 1 | 20 | | 0.4 | | | EX RECPT - 0221 |
| X RECPT - 0211 | | | | 0.8 | 1 | 20 | 11 | | | | 12 | 1 | 20 | | | 0.6 | | EX RECPT - 0220 |
| X RECPT - 0208 | | 0.4 | | | 1 | 20 | 13 | | | | 14 | 1 | 20 | 0.8 | | | | EX RECPT - 0217 |
| X | | | 0.6 | | 1 | 20 | 15 | | | | 16 | 1 | 20 | | 0.6 | | | EX RECPT - 0215 |
| X RECPT - 0211 | | | | 0.4 | 1 | 20 | 17 | | | | 18 | 1 | 20 | | | 1 | | EX RECPT - 0239 |
| X RECPT - 0208 | | 0.4 | | | 1 | 20 | 19 | | | | 20 | 1 | 20 | 0.6 | | | | EX ROLL SHADE - 0202B |
| X RECPT - 0208 | | | 0.6 | | 1 | 20 | 21 | | | | 22 | 1 | 20 | | 0.4 | | | EX RECPT - 0202F |
| X RECPT - 0214 | | | | 0.4 | 1 | 20 | 23 | | | | 24 | 1 | 20 | | | 0.8 | | EX RECPT - 0202D |
| X RECPT - 0214 | | 0.6 | | | 1 | 20 | 25 | | | | 26 | 1 | 20 | 0.4 | | | | EX RECPT - 0202B |
| X RECPT - 0214 | | | 0.4 | | 1 | 20 | 27 | | | | 28 | 1 | 20 | | 8.0 | | | EX RECPT - 0211 |
| X RECPT - 0214 | | | | 0.6 | 1 | 20 | 29 | | | | 30 | 1 | 20 | | | 0.4 | | EX RECPT - 0208 |
| X FIRE ALARM | | 0.3 | | | 1 | 20 | 31 | | | | 32 | 1 | 20 | 0.4 | | | | EX RECPT - 0208 |
| X FLR BOX 211 | | | 0.4 | | 1 | 20 | 33 | | | | 34 | 1 | 20 | | | | | SPARE |
| PARE | | | | | 1 | 20 | 35 | | | | 36 | 1 | 20 | | | | | SPARE |
| X RECPT - VOICE COMM | | 0.2 | | | 1 | 20 | 37 | | | | 38 | 1 | 20 | | | | | SPARE |
| X RECPT - VOICE COMM | | | 0.2 | | 1 | 20 | 39 | | | | 40 | 1 | 20 | | | | | SPARE |
| EX SECURITY LOCK | · | | | 0.2 | 1 | 20 | 41 | | | | 42 | 1 | 20 | | | | | SPARE |
| | | 3.7 | 3.8 | 3.2 | | | • | | | | | | | 3.2 | 3.0 | 3.4 | | |

TOTAL CONNECTED kVA: 20.3

| | | | 2 | 08/12 | OV 3 | PHA | SE 4 | 4 WIR | E 2 | 50A MLO | FLU | ISH M | MOUN | ITED | | | |
|----------------------|-----------|-----|------|-------|------|-----|------|-------|-----|---------|------|-------|-------------|-------|-----|---------------------|------------------------------|
| Description | Wire Size | | kVA/ | Þ | BR | KR | CIR- | ΑФ | ВФ | СФ CIR- | BF | RKR | | kVA/¢ |) | Wire Size | Description |
| | | ΑФ | ВФ | СФ | POLE | AMP | CUIT | | | CUIT | POLE | AMP | ΑФ | ВФ | СФ | | |
| MERGENCY LIGHTING | | 0.6 | | | 1 | 20 | 43 | | | 44 | 1 | 20 | 0.6 | | | | EX LTG - 0223, 224, 225, 226 |
| X LIGHTING - 0219 | | | 0.8 | | 1 | 20 | 45 | | | 46 | 1 | 20 | | 0.8 | | | EX LTG - 0217, 220, 221 |
| X LIGHTING - 0230 | | | | 0.6 | 1 | 20 | 47 | | | 48 | 1 | 20 | | | 0.5 | | EX LIGHTING - 0215 |
| X LIGHTING - 0222 | | 1 | | | 1 | 20 | 49 | | | 50 | 1 | 20 | 1 | | | | EX LIGHTING - 0207 |
| EX LIGHTING - 0202F | | | 0.4 | | 1 | 20 | 51 | | | 52 | 1 | 20 | | 1.2 | | | EX LIGHTING - 0208 |
| EX LIGHTING - 0202F | | | | 0.7 | 1 | 20 | 53 | | | 54 | 1 | 20 | | | 0.8 | | EX LIGHTING - 0202D |
| EX CONTR LTG - 0202F | | 0.3 | | | 1 | 20 | 55 | | | 56 | 1 | 20 | 0.7 | | | | EX CONTR LTG - 0202B |
| X CONTR LTG - 0202D | | | 0.8 | | 1 | 20 | 57 | | | 58 | 1 | 20 | | 1 | | | EX LIGHTING - 0202B |
| EX LIGHTING - 0202D | | | | 1 | 1 | 20 | 59 | | | 60 | 1 | 20 | | | 0.6 | | EX LIGHTING - 0202B |
| X J-BOX 0222 | | 0.8 | | | 1 | 20 | 61 | | | 62 | 1 | 20 | | | | | SPARE |
| EX J-BOX 0222 | | | 0.8 | | 1 | 20 | 63 | | | 64 | 1 | 20 | | | | | SPARE |
| EX J-BOX 0222 | | | | 1.2 | 1 | 20 | 65 | | | 66 | 1 | 20 | | | | | SPARE |
| X J-BOX 0222 | | 1 | | | 1 | 20 | 67 | | | 68 | 1 | 20 | | | | | SPARE |
| SPARE | | | | | 1 | 20 | 69 | | | 70 | 1 | 20 | | | | | SPARE |
| SPARE | | | | | 1 | 20 | 71 | | | 72 | 1 | 20 | | | 1.2 | 2#12, 1#12G - 3/4"C | PRINTER |
| SPARE | | | | | 1 | 20 | 73 | | | 74 | 1 | 20 | 1.2 | | | 2#12, 1#12G - 3/4"C | PRINTER |
| SPACE | | | | | 1 | | 75 | | | 76 | 1 | 20 | | 8.0 | | 2#12, 1#12G - 3/4"C | UPPER WORKSTATION |
| SPACE | | | | | 1 | | 77 | | | 78 | 1 | 20 | | | 8.0 | 2#12, 1#12G - 3/4"C | UPPER WORKSTATION |
| SPACE | | | | | 1 | | 79 | | | 80 | 1 | | | | | | SPACE |
| SPACE | | | | | 1 | | 81 | | | 82 | 1 | | | | | | SPACE |
| SPACE | | | | | 1 | | 83 | | · | 84 | 1 | | | | | | SPACE |

TOTAL CONNECTED kVA: 21.2

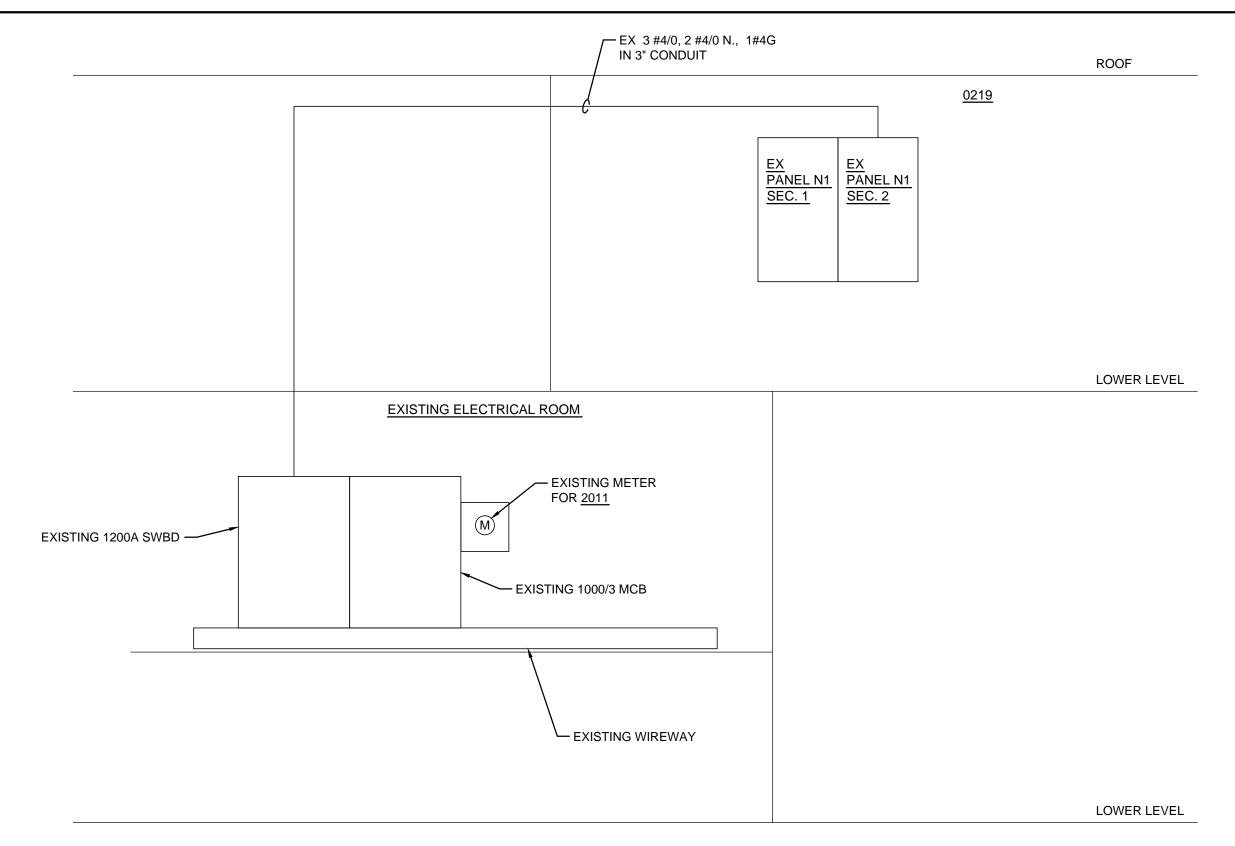
TOTAL PANEL N1 DEMAND kVA: 35.80



FURNITURE SYSTEM CONNECTION DETAIL - WALL/COLUMN
SCALE: NOT TO SCALE

DETAIL NOTES:

- 1. PROVIDE A 2-GANG DEEP JUNCTION BOX WITH SINGLE GANG TRIM RING, BLANK COVER AND KNOCKOUT FOR POWER TO FURNITURE SYSTEM. BRANCH TO PARTITION VIA LIQUID-TIGHT FLEXIBLE METALLIC RACEWAY FOR POWER. VERIFY CONNECTION REQUIREMENTS AND ROUGH-IN LOCATION WITH FURNITURE SYSTEM CONTRACTOR.
- 2. PROVIDE A 2-GANG DEEP JUNCTION BOX WITH SINGLE GANG TRIM RING, BLANK COVER AND KNOCKOUT FOR COMMUNICATION WIRING TO FURNITURE SYSTEM. PROVIDE LENGTH(S) OF YELLOW FLEXIBLE NONMETALLIC TUBING (AS MANUFACTURED BY CARLON) FOR COMMUNICATION CABLING. COORDINATE SIZE AND QUANTITY OF TUBING WITH COMMUNICATION SYSTEM WIRING REQUIREMENTS. VERIFY CONNECTION REQUIREMENTS AND ROUGH-IN LOCATION WITH FURNITURE SYSTEM CONTRACTOR.



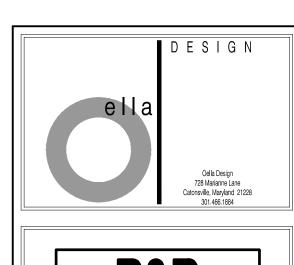
ELECTRICAL RISER DIAGRAM

SCALE: NONE

DRAWING NOTES:

1. PROVIDE A NEW 1P, 20A CIRCUIT BREAKER IN EXISTING SPACE.





ENGINEERING SERVICES

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JECC RENOVATION
MARYLAND JUDICIARY

Professional Certification:
I hereby certify that these documents are prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland License No. 200391
Expiration Date: 01 MAR 2017

project number
I 60 I I / 2777
project description
JECC RENOVATION
scale
As indicated
drawn by
MLK
checked by
BRT
owner
MARYLAND JUDICIARY
contractor
TBD

drawing date
O5/16/16
revision date
date description

sheet title POWER RISER \$ SCHEDULES

E2.00