

CURTIS HALL RENOVATIONS 100% CONSTRUCTION Sheet DOCUMENTS - ISSUED FOR BID 1

OWNER: MAINE MARITIME ACADEMY

Maine Maritime Academy, 1 Pleasant Street, Castine, Maine 04421





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| | Number | Sheet Name |
|--------|------------------|--|
| | GENERAL | |
| | A000 | COVER SHEET |
| | A000.1 | GENERAL NOTES & MATERIAL LEGEND |
| | A000.2 | CODE SUMMARY, TYPICAL MOUNTING HEIGHTS |
| | A000.3 | TYPICAL ASSEMBLIES |
| | A001 | PHASE 1 - LIFE SAFETY PLANS |
| | A002 | PHASE 2 - LIFE SAFETY PLANS |
| | A003 | |
| \int | | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |
| | HAZARD MA | ATERIALS |
| 5 | H100 | GROUND FLOOR IDENTIFIED ASBESTOS-CONTAINING MATERIALS |
| 2 | H101 | FIRST FLOOR IDENTIFIED ASBESTOS-CONTAINING MATERIALS |
| | H102 | SECOND FLOOR IDENTIFIED ASBESTOS-CONTAINING MATERIALS |
| > | H103 | THIRD FLOOR IDENTIFIED ASBESTOS CONTAINING MATERIALS |
| 4 | | FOURTH FLOOR IDENTIFIED ASBESTOS-CONTAINING MATERIALS |
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| | C101. | PROPOSED SITE PLAN |
| | C501 | SITE DETAILS |
| | C502 | PROPOSED SITE DETAILS |
| | | |
| | ARCHITECT | |
| | A009 | OVERALL GROUND FLOOR PLAN |
| | A010 | |
| | A012 | OVERALL SECOND FLOOR PLAN |
| | A013 | OVERALL THIRD FLOOR PLAN |
| | A014 | OVERALL FOURTH FLOOR PLAN |
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| | A101.G | GROUND FLOOR PLAN AND DEMO PLAN - PHASE 1 |
| | A101.0 | LINTERMEDIATE FLOOR PLAN AND DEMO DIAN - PHASE 1 |
| | A101.1 | ILINGT FLOOR FLAN AND DEIVIO FLAN - PHASE I SECOND FLOOR PLAN AND DEMO PLAN - PHASE 1 |
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| | A102.5 | ROOF PLAN AND DEMO PLAN - PHASE 2 |
| | A103.1 | FIRST FLOOR PLAN AND DEMO PLAN - PHASE 3 |
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| | A103.3 | THIRD FLOOR PLAN AND DEMO PLAN - PHASE 3 |
| | A103.4 | ROOF PLAN AND DEMO PLAN - PHASE 3 |
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| | A104.5 | REELECTED CEILING PLAN AND DEMO PLAN - INTERMEDIATE ELOOR - PHASE 1 |
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| | A112.4 | REFLECTED CEILING PLAN AND DEMO PLAN - FOURTH FLOOR - PHASE 2 |
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| | A114.1 | REFLECTED CEILING PLAN AND DEMO PLAN - FIRST FLOOR - PHASE 4 |
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| | A202 | EXTERIOR ELEVATIONS |
| | A203 | EXTERIOR ELEVATIONS AND ENLARGED ELEVATIONS OF LOBBY |
| | A210 | |
| | A310 | |
| | A400 | ENLARGED PLANS OF LOBBY AREA |
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| | A601 | DOOR, WINDOW, STOREFRONT DETAILS |
| | A700 | TYPICAL CASEWORK DETAILS |
| | A800 | FINISH PLANS FINISH SCHDULES AND NOTES |
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Maine Maritime Academy, 1 Pleasant Street, Castine, Maine 04421

BGS Project No.

| | | | 070302 |
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| *SHEET "S | S202 - STRUCTURAL SECTIONS AND ELEVATIONS" REMOVED FROM DRAWING SET. | | |
| Sheet Number | Sheet Name | Sheet Number | Sheet Name |
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| S101.G S101 1 | PHASE 1 GROUND FLOOR STRUCTURAL PLANS | M102.5 | PHASE 2 ROOF LEVEL MECHANICAL PLANS |
| S101.2 | PHASE 1 SECOND FLOOR STRUCTURAL PLANS | MP103.1 | PHASE 3 FIRST FLOOR MECHANICAL PIPING PLANS |
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| S101.5 | PHASE 1 ROOF LEVEL STRUCTURAL PLANS | M103.4 | PHASE 3 FOURTH FLOOR MECHANICAL PLANS |
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| S102.3 | PHASE 2 THIRD FLOOR STRUCTURAL PLANS | MH104.1 | PHASE 4 FIRST FLOOR MECHANICAL DUCTWORK PLANS |
| S102.4 S102.5 | PHASE 2 ROOF LEVEL STRUCTURAL PLANS | MP 104.1 M104.2 | PHASE 4 FIRST FLOOR MECHANICAL FIFING FLANS |
| S103.1 | PHASE 3 FIRST FLOOR STRUCTURAL PLANS | M104.3 | PHASE 4 THIRD FLOOR MECHANICAL PLANS |
| S103.3 | PHASE 3 THIRD FLOOR STRUCTURAL PLANS | M104.5 | PHASE 4 ROOF LEVEL MECHANICAL PLANS |
| S103.4 S103.5 | PHASE 3 FOURTH FLOOR STRUCTURAL PLANS PHASE 3 ROOF LEVEL STRUCTURAL PLANS | M400 M500 | BOILER ROOM MECHANICAL PART PLANS |
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| S401 S402 | ENLARGED STRUCTURAL FRAMING PART PLANS | M602 M603 | MECHANICAL SCHEDULES |
| S500 | STRUCTURAL DETAILS | | |
| S501 | STRUCTURAL DETAILS | ELECI E000 | ELECTRICAL LEGEND |
| | | ES0.1. | ELECTRICAL SITE DETAILS AND NOTES |
| P000 | PLUMBING AND HVAC NOTES, LEGEND AND ABBREVIATIONS | ES1.0. EL101.0 | PHASE 1 INTERMEDIATE FLOOR LIGHTING REMOVALS & NEW PLANS |
| P101.G PI 101 0 | PHASE 1 GROUND FLOOR PLUMBING DEMOLITION & NEW PLANS PHASE 1 INTERMEDIATE FLOOR PLUMBING W&V DEMOLITION & NEW PLANS | EL101.1 | PHASE 1 FIRST FLOOR LIGHTING REMOVALS & NEW PLANS |
| PP101.0 | PHASE 1 INTERMEDIATE FLOOR PLUMBING SUPPLY DEMOLITION & NEW PLANS | EL101.3 | PHASE 1 THIRD FLOOR LIGHTING REMOVALS & NEW PLANS |
| PL101.1 PP101.1 | PHASE 1 FIRST FLOOR PLUMBING W&V DEMOLITION & NEW PLANS PHASE 1 FIRST FLOOR PLUMBING SUPPLY DEMOLITION & NEW PLANS | EL101.4 EL101.G | PHASE 1 FOURTH FLOOR LIGHTING REMOVALS & NEW PLANS PHASE 1 GROUND FLOOR LIGHTING REMOVALS & NEW PLANS |
| P101.2 | PHASE 1 SECOND FLOOR PLUMBING DEMOLITION & NEW PLANS | EL102.1 | PHASE 2 FIRST FLOOR LIGHTING REMOVALS & NEW PLANS |
| P101.3 P101.4 | PHASE 1 THIRD FLOOR PLUMBING DEMOLITION & NEW PLANS PHASE 1 FOURTH FLOOR PLUMBING DEMOLITION & NEW PLANS | EL102.2 EL102.3 | PHASE 2 SECOND FLOOR LIGHTING REMOVALS & NEW PLANS PHASE 2 THIRD FLOOR LIGHTING REMOVALS & NEW PLANS |
| P101.5 PL 102 1 | PHASE 1 ROOF PLUMBING DEMOLITION & NEW PLANS | EL102.4 | PHASE 2 FOURTH FLOOR LIGHTING REMOVALS & NEW PLANS |
| PP102.1 | PHASE 2 FIRST FLOOR PLUMBING SUPPLY DEMOLITION & NEW PLANS | EL103.2 | PHASE 3 SECOND FLOOR LIGHTING REMOVALS & NEW PLANS |
| P102.2 P102.3 | PHASE 2 SECOND FLOOR PLUMBING DEMOLITION & NEW PLANS PHASE 2 THIRD FLOOR PLUMBING DEMOLITION & NEW PLANS | EL103.3 EL103.4 | PHASE 3 THIRD FLOOR LIGHTING REMOVALS & NEW PLANS PHASE 3 FOURTH FLOOR LIGHTING REMOVALS & NEW PLANS |
| P102.4 | PHASE 2 FOURTH FLOOR PLUMBING DEMOLITION & NEW PLANS | EL104.0 | PHASE 4 GROUND FLOOR LIGHTING REMOVALS & NEW PLANS |
| P102.5 PL103.1 | PHASE 2 ROOF PLUMBING DEMOLITION & NEW PLANS PHASE 3 FIRST FLOOR PLUMBING W&V DEMOLITION & NEW PLANS | EL104.1 EL104.2 | PHASE 4 FIRST FLOOR LIGHTING REMOVALS & NEW PLANS PHASE 4 SECOND FLOOR LIGHTING REMOVALS & NEW PLANS |
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| PL104.G | PHASE 4 GROUND FLOOR W&V DEMOLITION & NEW PLANS | EP101.2 | PHASE 1 SECOND FLOOR POWER & SYSTEMS REMOVALS & NEW PLANS |
| PP104.G PL104.1 | PHASE 4 GROUND FLOOR PLUMBING SUPPLY DEMOLITION & NEW PLANS PHASE 4 FIRST FLOOR PLUMBING W&V DEMOLITION & NEW PLANS | EP101.3 EP101.4 | PHASE 1 THIRD FLOOR POWER & SYSTEMS REMOVALS & NEW PLANS PHASE 1 FOURTH FLOOR POWER & SYSTEMS REMOVALS & NEW PLANS |
| PP104.1 P104.2 | PHASE 4 FIRST FLOOR PLUMBING SUPPLY DEMOLITION & NEW PLANS | EP101.5 | PHASE 1 ROOF POWER & SYSTEMS REMOVALS & NEW PLANS |
| P104.3 | PHASE 4 THIRD FLOOR PLUMBING DEMOLITION & NEW PLANS | EP102.1 | PHASE 2 FIRST FLOOR POWER & SYSTEMS REMOVALS & NEW PLANS |
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| PD401 | PLUMBING DEMOLITION PART PLANS | EP102.4 | PHASE 2 FOURTH FLOOR POWER & SYSTEMS REMOVALS & NEW PLANS |
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| PD500 PD501 | EXISTING PLUMBING RISER DIAGRAMS | EP103.5 EP104.0 | PHASE 3 ROOF POWER & SYSTEMS REMOVALS & NEW PLANS PHASE 4 GROUND FLOOR POWER & SYSTEMS REMOVALS & NEW PLANS |
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| P600 | PLUMBING SCHEDULES | EF 104.3 E400 | ELECTRICAL ENLARGED PLANS |
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| M101.G | PHASE 1 GROUND FLOOR MECHANICAL PLANS | E502 | ELECTRICAL DETAILS |
| м101.0 MH101.1 | PHASE 1 IN LERMEDIATE FLOOR MECHANICAL PLANS PHASE 1 FIRST FLOOR MECHANICAL DUCTWORK PLANS | E600 E601 | ELECTRICAL SCHEDULES |
| MP101.1 | PHASE 1 FIRST FLOOR MECHANICAL PIPING PLANS | E602 | PANEL SCHEDULES |
| M101.2 | PHASE 1 SECOND FLOOR MECHANICAL PLANS PHASE 1 THIRD FLOOR MECHANICAL PLANS | E603 | PANEL SCHEDULES |
| M101.4 | PHASE 1 FOURTH FLOOR MECHANICAL PLANS | FIRE PROTI | ECTION |
| MH102.1 | PHASE 2 FIRST FLOOR MECHANICAL DUCTWORK PLANS | FP100.0 | FIRST FLOOR FIRE PROTECTION PLAN |
| | | ED100.2 | |

CHA Project No.

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| | RULES AND REGULATIONS, OR LAWFUL ORDERS OF PUBLIC AUTHORITY. PROMPTLY REPORT ANY NONCONFORMITY DISCOVERED TO THE ARCHITECT | FLUSH V | VITH ADJACENT SUR | FACES AND FINISHE | D TO MATCH. |
|-------------------|--|---|--|---|---|
| 3. | THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF WORK BY THE CONTRACTOR AND TO PROVIDE A COMPLETE FULLY | 4. PROVIDE DEVICES | E METAL COVER PLA 5, FINISHED TO MATC | TES AT ALL ABANDO | ONED ELECTRICAL |
| | OPERATIONAL BUILDING. PROVIDE ALL LABOR, MATERIALS AND INCIDENTALS NECESSARY TO ACHIEVE THIS INTENT. | DOOR AND WIND | DOW NOTES | | |
| 4. | FAILURE OF THE DRAWINGS OR SPECIFICATIONS TO INDICATE EACH INCIDENTAL SHALL NOT RELIEVE THE CONTRACTOR FROM PROVIDING | 1. AT EXTE EDGES C | RIOR WALLS AND MA | SONRY WALLS, CO | AT THE INSIDE AND TUMINOUS COATING. |
| | THE NECESSARY ITEMS AS PART OF THIS CONTRACT. THE DRAWINGS SHOW THE DESIGN, LOCATION, DESCRIBE THE QUALITY LEVEL AND CONSTRUCTION TECHNIQUES IN A GENERAL SENSE ONLY. | 2. FILL ALL | | IETAL FRAMES ADJ | ACENT TO MASONRY |
| 5. | ALL DETAILS ARE TYPICAL. WHAT IS SHOWN IN ONE CONDITION APPLIES | 3. PACK MII | NERAL-FIBER INSULA | TION IN ALL INTERIO | OR HOLLOW METAL |
| 6. | VERIFY THE FOLLOWING ITEMS AND REPORT ANY DISCREPANCIES TO | FRAMES 4. FILL ALL | IN STUD WALLS. EXTERIOR METAL DO | OOR FRAMES WITH I | _OW-EXPANSION SPRAY- |
| | WITH THE WORK ONLY AFTER SUCH DISCREPANCIES ARE RESOLVED: | FOAM IN | SULATION. | | |
| | EXISTING CONDITIONS OF STRUCTURE AND FINISHES WALLS, FLOORS, ROOF, AND SUBSTRATES WHERE PRODUCTS AND SYSTEMS ARE TO BE INSTALLED. | WIRED, A | ND INSULATING GLA | SS. | |
| | SIZE AND CONDITION OF WINDOW, DOOR, AND OTHER OPENINGS WHERE PRODUCTS AND SYSTEMS ARE TO BE INSTALLED. THE EXISTENCE SIZE AND LOCATION OF ALL EXISTING LITUITIES | 6. AT DOOR MASONR NOTED C | R, WINDOW AND LOU Y VENEER PROVIDE OTHERWISE. | VER OPENINGS IN E METAL PAN FLASHI | NG AT HEADS UNLESS |
| | MECHANICAL AND ELECTRICAL SYSTEMS. DISCREPANCIES BETWEEN OR WITHIN THE CONTRACT DOCUMENTO | 7. PROVIDE | METAL RAIN HOOD | AT ALL EXTERIOR H | OLLOW METAL FRAMES. |
| | MECHANICAL, ELECTRICAL AND PLUMBING WHICH IMPACT CEILING INSTALLATION HEIGHTS OR BUILDING APPEARANCE. | 8. PROVIDE DOOR SV | DOOR STOPS TO PE | ROTECT WALLS AT A IE WALL. | ALL LOCATIONS WHERE A |
| 7. | DIMENSIONAL DISCREPANCIES. COORDINATE THE WORK OF ALL SUBCONTRACTORS. | 9. ALL EXTE AND SHA | ERIOR DOORS SHALL LL BE INSTALLED WE | . HAVE WEATHER S ⁻ EATHERTIGHT. | rripping, thresholds, |
| 8. | DO NOT PENETRATE STRUCTURAL BEAMS, COLUMNS, OR SHEAR WALLS | GENERAL ARCH | TECTURAL NOTES | | |
| 9. | WITHIN WORK SCOPE BOUNDARIES, PROVIDE BOND-OUTS, BLOCKING, | 1. THE DRA | WINGS USE A SYSTE | | S ON PLANS, ELEVATION |
| | SLEEVES AND PIPES AS REQUIRED FOR ALL WALL, FLOOR, ROOF, AND CEILING PENETRATIONS. MAINTAIN CONTINUITY OF FIRE RATED ASSEMBLIES AND SMOKE ASSEMBLIES. SEAL ALL PENETRATIONS TO CONFORM TO U.L. PATED ASSEMBLIES AND ALL NERA AND INC PEOLUREMENTS. | AND DET ARE KEY ARE KEY DETAILS | AILS. INSTRUCTIONS ED TO THE DRAWING ED TO FLOOR PLANS AS APPROPRIATE. | S FOR SPECIFIC COI SS. BUILDING SYSTE , WALL SECTIONS, I | MPONENTS OF THE WOR EMS (PARTITIONS, ROOF) ROOF PLAN AND OTHER |
| | REFER TO THE CODE PLANS FOR ADDITIONAL CODE REFERENCES. ALL PENETRATIONS SHALL COMPLY WITH THE ACOUSTICAL ASSEMBLY RATING REQUIRED FOR EACH WALL OR FLOOR | 2. MAINTAIN COMPLIA INCLUDIN ADA STA | N MINIMUM MANEUVE NCE WITH THE ADA NG BUT NOT LIMITED NDARDS FOR ACCES | ERING CLEARANCES ACCESSIBILITY GUIE TO THE FOLLOWING SIBLE DESIGN: | S AT DOORS IN DELINES (ADAAG), G EXCERPT FROM 2010 |
| 10. | COORDINATE THE WORK TO ACHIEVE THE GIVEN VISUAL AND | 404.2.4.1 Swin clearances con | iging Doors and Gates. St nplying with Table 404.2.4.1 | winging doors and gates st | all have maneuvering |
| | PERFORMANCE REQUIREMENTS OF MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS WITHIN THE INDICATED SPACE. | Table 404.2 Ty | .4.1 Maneuvering Clearance pe of Use | es at Manual Swinging D Minimum Mane | loors and Gates uvering Clearance |
| 11. | PROVIDE WORK HOLES OR ADEQUATE ACCESS AS REQUIRED TO INSTALL NEW SYSTEMS IN CONCEALED SPACES. | Approach Directio | n Door or Gate Side | Perpendicular to Doorway | Parallel to Doorway (beyond latch side |
| 12. | PRODUCTS SHALL BEAR UL CLASSIFICATION WHERE REQUIRED BY DESIGN. DO NOT REMOVE OR PAINT OVER UL CLASSIFICATIONS. | From front | Pull | 60 inches (1525 mm) | 18 inches (455 mm) |
| 13. | IT IS CONTRACTOR'S RESPOSIBILITY TO COVER AND PROTECT ALL EXISTING CONDITIONS FROM DAMAGE THROUGHOUT THE | From hinge side | Pull | 60 inches (1525 mm) | 0 inches (0 mm)' 36 inches (915 mm) |
| | CONSTRUCTION PROCESS. THIS INCLUDES, BUT IS NOT LIMITED TO: FLOORS, WALLS, STAIRS, WINDOWS, DOORS, CEILINGS, CASEWORK, FURNITURE. | From hinge side | Pull | 54 inches (1370 mm) 42 inches (1065 mm) ² | 42 inches (1065 mm) 22 inches (560 mm) ^{3.} |
| 14. | DEFINITIONS: | From latch side From latch side | Pull Push | 48 inches (1220 mm) ⁴ 42 inches (1065 mm) ⁴ | 24 inches (610 mm) 24 inches (610 mm) |
| | NEW: INDICATES ITEMS THAT SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACT. TYPICALLY USED TO ENSURE CLARITY BETWEEN VARIOUS COMPONENTS OF THE DRAWINGS. NOT ALL ITEMS ARE LABELED AS "NEW" WHEN IT IS OBVIOUS BY | 1. Add 12 inches (30 2. Add 6 inches (150 3. Beyond hinge sid 4. Add 6 inches (150 | 95 mm) If closer and latch are p) mm) if closer and latch are pr a.) mm) if closer is provided. | orovided. ovided. | Δ. |
| | OTHER INDICATION. EXISTING: EXISTING BUILDING OR SITE COMPONENTS WHICH ARE IN PLACE AT THE START OF CONSTRUCTION. NOT ALL ITEMS ARE LABELED AS "EXISTING" WHEN IT IS OBVIOUS BY OTHER INDICATION. DEPAID: DESTORE TO SUITABLE OF APPROPRIATE OPERATING | ALL MOU ELSEWHI ACCESSI BARRIER | NTING HEIGHTS AND ERE SHALL COMPLY BILITY GUIDELINES (/ -FREE CLEARANCES | CLEARANCES AT T WITH THE LATEST \ ADAAG). ARE GIVEN. THESE | OILET ROOMS AND ERSION OF THE ADA |
| | AND AESTHETIC CONDITION. RESTORE: BRING BACK TO FORMER CONDITION, BY REPAIRING | • ALL DIME | E MAINTAINED IN CAS | SES OF DISCREPAN | CY. |
| | OR PATCHING AS REQUIRED. PATCH: RESTORE TO CONDITION MATCHING EXISTING ADJACENT CONSTRUCTION, SURFACE TEXTURE AND FINISH. N.I.C. (NOT IN CONTRACT): WORK WHICH IS NOT INCLUDED IN THIS CONTRACT BUT WHICH MAY PEOURE CONTRACTOR | <u>CLEAR</u> D OTHERW CONSTRI | IMENSIONS FROM FI ISE. COORDINATE A UCTION AND FINISHE | NISHED SURFACES, CTUAL DIMENSIONS S. | UNLESS NOTED WITH WALL |
| | COORDINATION. REMOVE: DISMANTLE AND/OR EXTRACT FROM THE PREMISES ENTIRELY. DISPOSE OF OFF OF THE SITE UNLESS NOTED OTHERWISE. | LOCATE ACCORD GUIDELIN | ALL CONTROLS, FLU ANCE WITH THE LAT IES (ADAAG). | SH VALVES, SHUTO EST VERSION OF TH | FFS AND SIMILAR ITEMS I IE ADA ACCESSIBILITY |
| | REPLACE: DISMANTLE AND/OR EXTRACT FROM THE PREMISES ENTIRELY. DISPOSE OF OFF OF THE SITE UNLESS NOTED OTHERWISE. PROVIDE NEW MATERIAL AS INDICATED. DAMAGES: EXISTING BUILDING OR SITE COMPONENTS, NOT | SOME ITE CONSIST THROUG | ENS MAY INDICATE A ENT MOUNTING HEIC HOUT THE PROJECT | RANGE IN MOUNTI GHT, WITHIN THE GI , UNLESS NOTED OT | VG HEIGHT, MAINTAIN A /EN RANGE, [HERWISE. |
| | SCHEDULED FOR WORK, WHICH ARE DAMAGED. SUCH ELEMENTS AND COMPONENTS SHALL BE REPLACED OR RESTORED TO ORIGINAL CONDITION BY METHODS APPROVED BY | 4. MAINTAIN VERSION | OF THE ADA ACCES | S IN ACCORDANCE | S (ADAAG). |
| | DEMOLISH: DISMANTLE AND/OR EXTRACT FROM THE PREMISES DEMOLISH: DISMANTLE AND/OR EXTRACT FROM THE PREMISES | 5. ALL GRAI 250LBS A | 3 BAR COMPONENTS T ANY POINT. | SHALL BE ABLE TC | WITHSTAND A LOAD OF |
| | OTHERWISE. SALVAGE: REMOVE AND REINSTALL OR REMOVE AND DELIVER TO THE OWNER, AS INDICATED. SALVAGED COMPONENTS MAY BE FOR LIMITED REUSE, TO MATCH EXISTING CONDITIONS OR TO | 6. INSTALL BARS, SH MARKER COUNTEI | BLOCKING BEHIND A IELVES, CHAIR RAILS BOARDS, WINDOW T RS, AND MISCELLANE | LL SURFACE-APPLIE 6, PICTURE RAILS, B REATMENT, WALL (EOUS ACCESSORIE | ED FIXTURES, TRIM, GRAB ASE MOLDINGS, TACK OF DR BASE CABINETS OR 5 MOUNTED ON STUD |
| | PATCH AND REPAIR AS INDICATED. | 7. FILL CMU | SOLID WITH GROUT | AT ALL SURFACE-A | PPLIED FIXTURES, TRIM, |
| <u>GENE</u> 1. | RAL DEMOLITION AND REMOVAL NOTES THE DEMOLITION DRAWINGS PROVIDE GENERAL COORDINATION | GRAB BA TACK OR CABINET ON CMU | RS, SHELVES, CHAIR MARKER BOARDS, V S OR COUNTERS, AN WALLS. | RAILS, PICTURE RA VINDOW TREATMEN ID MISCELLANEOUS | ILS, BASE MOLDINGS, IT, WALL OR BASE ACCESSORIES MOUNTE |
| | INFORMATION ONLY, AND ARE SCHEMATIC IN NATURE. THEY DO NOT DENTIFY ALL INDIVIDUAL ITEMS TO BE REMOVED. REMOVE ANY EXISTING CONSTRUCTION WHICH IS IN THE WAY OF NEW | 7. ALL EXPO FINISH (C | DSED WOOD NOT INE ELEAR). | DICATED TO BE PAIN | ITED SHALL BE NATURAL |
| 2. | CONSTRUCTION OR PROHIBITS THE NEW CONSTRUCTION. VERIFY EXISTING STRUCTURAL CONDITIONS PRIOR TO DEMOLITION OR REMOVALS | 8. FLOORIN DIFFEREI TRANSITI AS FLOO | G AND FLOOR FINISH NTIAL OF 1/16" BETW ION STRIPS OR THRE RING AND/OR AS NO | HES SHALL BE INSTA EEN DISSIMILAR MA SHOLDS (1/2" MAXII TED ON THE DRAWI | ALLED TO A MAXIMUM TERIALS. PROVIDE MUM) OF SAME MATERIAI NGS, BETWEEN |
| 3. | PROTECT FROM DAMAGE AND WEATHER ANY EXISTING BUILDING COMPONENTS, WHICH ARE EXPOSED AS A RESULT OF DEMOLITION OR REMOVALS. | DISSIMIL 9. PATCH A FINISHES | AR FLOORING MATER ND LEVEL EXISTING S AS INDICATED IN TH | RIALS SUBFLOORS TO REG IE ROOM FINISH SC | CEIVE NEW FLOOR HEDULE. |
| 4. | COORDINATE AND SCHEDULE ALL WORK IN EXISTING OCCUPIED PORTIONS OF THE BUILDING WITH THE OWNER. | 10. ALL EXPO OR OTHE | DSED PIPES UNDER L RWISE CONFIGURED | AVATORIES AND SI D TO PROTECT AGA | NKS SHALL BE INSULATE INST CONTACT. |
| 5. | NOTIFY THE ARCHITECT AND OWNER IMMEDIATELY UPON DISCOVERY OF POTENTIALLY HAZARDOUS MATERIAL OR SUBSTANCE NOT | | 2 COAT HOOKS CENT | TERED ON THE INSI | DE OF SINGLE USER |
| | ADDRESSED IN THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO ASBESTOS, PCB, LEAD, MERCURY, AND MOLD. DO NOT DISTURB HAZARDOUS MATERIALS. HAZARDOUS MATERIAL SHALL BE LEGALLY ABATED, TRANSPORTED, AND DISPOSED OF. | 12. TOUCH U AND CON | Y Y IP PAINT AND REPAIF ISTRUCTION; RESPO | R ANY AREAS DAMA NSIBILITY OF THE C | GED DURING DEMOLITION ONTRACTOR. |
| 6. | CONCRETE SLAB REMOVALS MAY BE REQUIRED THROUGHOUT THE EXISTING BUILDING AND MAY NOT BE SHOWN ON THE DEMOLITION DRAWINGS - COORDINATE THE EXTENT OF CLAR DEMOLY A ANTEN | CEILING NOTES | | | |
| | DRAWINGS. COORDINATE THE EXTENT OF SLAB REMOVALS WITH STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS. CUT TRENCHES IN EXISTING CONCRETE FLOORS WITH NO MORE THAN A 1:2 SLOPE. PROVIDE AN UNDER-SLAB VAPOR RETARDER AT SLABS ON GRADE. REFER TO STRUCTURAL DRAWINGS FOR REINFORCEMENT | 1. CEILING I TO ELEC FOR EXT COORDIN | PLANS DO NOT SHOV TRICAL, PLUMBING, N ENT OF ALL CEILING NATE PRIOR TO INSTA | W EVERY FIXTURE O MECHANICAL AND S PENETRATIONS AN ALLATION. | OR COMPONENT. REFER TRUCTURAL DRAWINGS D INSTALLATIONS AND |
| | REQUIREMENTS. PATCH CONCRETE TO MATCH ADJACENT THICKNESS AND FINISH PRIOR TO THE INSTALLATION OF UNDERLAYMENT OR NEW FINISHES. | 2. CENTER | GRID LAYOUT IN ALL | | |
| 7. | REMOVAL OF MATERIALS SHALL BE DONE WITHOUT DISTURBING ADJACENT SURFACES OR THE CURRENT CONDITION OF OTHER BUILDING ELEMENTS INTENDED TO REMAIN. | 3. ALL COM CEILING S OF TEGU INCLUDE SPEAKFF | SHALL BE CENTERED LAR CEILING TILES, U , BUT NOT BE LIMITE S, SMOKE DETECTO |) IN OR BELOW A SU) IN THE CEILING TIL JNLESS NOTED OTH D TO, LIGHT FIXTUR IRS, AND SPRINKI FI | E OR IN THE 2X2 PORTIO E OR IN THE 2X2 PORTIO IERWISE. THIS SHALL ES, DIFFUSERS, R HEADS. |
| 8. | CONTRACTOR TO MANAGE AND PROTECT EXISTING FURNITURE IN PLACE. DORM FURNITURE WILL NOT BE REMOVED BY THE OWNER, AND MUST BE IN ITS ORIGINAL LOCATION AT TURNOVER AT EACH PHASE. PROTECT AND INVENTORY FURNITURE AND PROVIDE TO OWNER AT BEGINNING OF EACH PHASE. | 4. PRIOR TO INSPECT CEILINGS AND ACC | D THE INSTALLATION ION OF COMPONENT HAVE BEEN INSTAL DUSTICAL SEPARATIO | OF CEILINGS, ALLO S THAT WILL NOT B LED, INCLUDING INS DNS. | W FOR AN ABOVE-CEILIN E VISIBLE WHEN THE SPECTION OF FIRE, SMOK |
| 9. | REMOVE ALL DAMAGED AND/OR DISCARDED BUILDING CONSTRUCTION | | | | |

PROJECT GENERAL NOTES

1.

THESE GENERAL NOTES ARE INTENDED TO COMPLIMENT THE

DETAILED INFORMATION AND ADDITIONAL REQUIREMENTS.

ALL WORK INCLUDED IN THIS CONTRACT SHALL CONFORM TO ALL

CONTRACT DOCUMENTS. REFER TO THE CONTRACT DOCUMENTS FOR

FEDERAL, STATE, AND LOCAL LAWS, STATUTES, ORDINANCES, CODES,

GENERAL PATCHING AND REPAIRING NOTES

- 1. WHERE NEW CONSTRUCTION EITHER INFILLS OR ABUTS EXISTING CONSTRUCTION, THE FINISHED FACES SHALL ALIGN, AND THE SURFACES SHALL BE FINISHED TO MATCH.
- AFTER CUTTING, FITTING, OR REMOVAL OF BUILDING COMPONENTS, ANY 2. RESULTING HOLES SHALL BE PATCHED. SUCH PATCHES SHALL BE FLUSH WITH ADJACENT SURFACES AND FINISHED TO MATCH.
- IRE RATINGS, SMOKE RATINGS, AND ACOUSTICAL RATINGS.
- TAL COVER PLATES AT ALL ABANDONED ELECTRICAL NISHED TO MATCH WALL.

- R WALLS AND MASONRY WALLS, COAT THE INSIDE AND L HOLLOW METAL FRAMES WITH BITUMINOUS COATING.
- ERIOR HOLLOW METAL FRAMES ADJACENT TO MASONRY AL FIBER.
- AL-FIBER INSULATION IN ALL INTERIOR HOLLOW METAL
- STUD WALLS. ERIOR METAL DOOR FRAMES WITH LOW-EXPANSION SPRAY-
- ATION. PECIFICATIONS FOR LOCATIONS OF TEMPERED, LAMINATED,
- INSULATING GLASS. /INDOW AND LOUVER OPENINGS IN EXTERIOR WALLS WITH
- ENEER PROVIDE METAL PAN FLASHING AT HEADS UNLESS ERWISE. TAL RAIN HOOD AT ALL EXTERIOR HOLLOW METAL FRAMES.
- OOR STOPS TO PROTECT WALLS AT ALL LOCATIONS WHERE A
- G WILL STRIKE THE WALL.
- OR DOORS SHALL HAVE WEATHER STRIPPING, THRESHOLDS, E INSTALLED WEATHERTIGHT.

TURAL NOTES

- NGS USE A SYSTEM OF KEYED NOTES ON PLANS, ELEVATIONS INSTRUCTIONS FOR SPECIFIC COMPONENTS OF THE WORK TO THE DRAWINGS. BUILDING SYSTEMS (PARTITIONS, ROOF) O FLOOR PLANS, WALL SECTIONS, ROOF PLAN AND OTHER PPROPRIATE.
- INIMUM MANEUVERING CLEARANCES AT DOORS IN E WITH THE ADA ACCESSIBILITY GUIDELINES (ADAAG), BUT NOT LIMITED TO THE FOLLOWING EXCERPT FROM 2010 RDS FOR ACCESSIBLE DESIGN:

| Туре с | of Use | Minimum Maneuvering Clearance | | |
|--------------------|-------------------|----------------------------------|--|--|
| Approach Direction | Door or Gate Side | Perpendicular to Doorway | Parallel to Doorway (beyond latch side unless noted) | |
| From front | Pull | 60 inches (1525 mm) | 18 inches (455 mm) | |
| From front | Push | 48 inches (1220 mm) | 0 inches (0 mm) ¹ | |
| From hinge side | Pull | 60 inches (1525 mm) | 36 inches (915 mm) | |
| From hinge side | Pull | 54 inches (1370 mm) | 42 inches (1065 mm) | |
| From hinge side | Push | 42 inches (1065 mm) ² | 22 inches (560 mm) ³ | |
| From latch side | Pull | 48 inches (1220 mm) ⁴ | 24 inches (610 mm) | |
| From latch side | Push | 42 inches (1065 mm) ⁴ | 24 inches (610 mm) | |

- $\sum 1$ IG HEIGHTS AND CLEARANCES AT TOILET ROOMS AND SHALL COMPLY WITH THE LATEST VERSION OF THE ADA TY GUIDELINES (ADAAG).
- EE CLEARANCES ARE GIVEN. THESE <u>CLEAR</u> DIMENSIONS AINTAINED IN CASES OF DISCREPANCY.
- ONS GIVEN FOR FIXTURE AND ACCESSORY LOCATIONS ARE NSIONS FROM FINISHED SURFACES, UNLESS NOTED . COORDINATE ACTUAL DIMENSIONS WITH WALL ION AND FINISHES.
- CONTROLS, FLUSH VALVES, SHUTOFFS AND SIMILAR ITEMS IN E WITH THE LATEST VERSION OF THE ADA ACCESSIBILITY (ADAAG).
- MAY INDICATE A RANGE IN MOUNTING HEIGHT. MAINTAIN A MOUNTING HEIGHT, WITHIN THE GIVEN RANGE, T THE PROJECT, UNLESS NOTED OTHERWISE.
- EAR DIMENSIONS IN ACCORDANCE WITH THE LATEST THE ADA ACCESSIBILITY GUIDELINES (ADAAG).
- R COMPONENTS SHALL BE ABLE TO WITHSTAND A LOAD OF NY POINT.
- CKING BEHIND ALL SURFACE-APPLIED FIXTURES, TRIM, GRAB /ES, CHAIR RAILS, PICTURE RAILS, BASE MOLDINGS, TACK OR ARDS, WINDOW TREATMENT, WALL OR BASE CABINETS OR AND MISCELLANEOUS ACCESSORIES MOUNTED ON STUD
- LID WITH GROUT AT ALL SURFACE-APPLIED FIXTURES, TRIM, SHELVES, CHAIR RAILS, PICTURE RAILS, BASE MOLDINGS, RKER BOARDS, WINDOW TREATMENT, WALL OR BASE R COUNTERS, AND MISCELLANEOUS ACCESSORIES MOUNTED
- WOOD NOT INDICATED TO BE PAINTED SHALL BE NATURAL AND FLOOR FINISHES SHALL BE INSTALLED TO A MAXIMUM
- _ OF 1/16" BETWEEN DISSIMILAR MATERIALS. PROVIDE STRIPS OR THRESHOLDS (1/2" MAXIMUM) OF SAME MATERIAL AND/OR AS NOTED ON THE DRAWINGS, BETWEEN _OORING MATERIALS
- EVEL EXISTING SUBFLOORS TO RECEIVE NEW FLOOR INDICATED IN THE ROOM FINISH SCHEDULE.
- PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED ISE CONFIGURED TO PROTECT AGAINST CONTACT.

- RUCTION; RESPONSIBILITY OF THE CONTRACTOR. NS DO NOT SHOW EVERY FIXTURE OR COMPONENT. REFER CAL, PLUMBING, MECHANICAL AND STRUCTURAL DRAWINGS
- OF ALL CEILING PENETRATIONS AND INSTALLATIONS AND PRIOR TO INSTALLATION. LAYOUT IN ALL ROOMS UNLESS NOTED OTHERWISE.
- ENTS MOUNTED IN OR BELOW A SUSPENDED ACOUSTIC LL BE CENTERED IN THE CEILING TILE OR IN THE 2X2 PORTION CEILING TILES, UNLESS NOTED OTHERWISE. THIS SHALL NOT BE LIMITED TO. LIGHT FIXTURES. DIFFUSERS. SMOKE DETECTORS, AND SPRINKLER HEADS.
- E INSTALLATION OF CEILINGS, ALLOW FOR AN ABOVE-CEILING OF COMPONENTS THAT WILL NOT BE VISIBLE WHEN THE VE BEEN INSTALLED, INCLUDING INSPECTION OF FIRE, SMOKE, TICAL SEPARATIONS.

WHEN THE SPACES HAVE BEEN SEALED. **10.** ALL DEMOLITION/REMOVAL DEBRIS IS THE PROPERTY OF THE CONTRACTOR, UNLESS NOTED OTHERWISE, AND SHALL BE LEGALLY DISPOSED OF.

MATERIAL FROM CONCEALED SPACES. PRIOR TO CLOSING- OR

SEALING-OFF CONCEALED SPACES, THE CONTRACTOR SHALL ALLOW FOR AN INSPECTION OF COMPONENTS WHICH WILL NOT BE VISIBLE

- EXISITNG WINDOW TREATMENTS IN RESIDENT ROOMS AND THE BILGE 11. RECREATION ROOM ARE TO BE REMOVED AND DISPOSED OF TO MAKE WAY FOR NEW ROLLER SHADES. WINDOW TREATMENTS IN OTHER ROOMS ARE TO REMAIN AND BEPROJECTED. EXISTING WALL SCONCE LIGHT FIXTURE IN EACH RESIDENT ROOM TO BE 12. REMOVED TO MAKE WAY FOR INSTALLATION OF VRF UNIT. FLOORS 2-4
- AS PART OF BASE BID. FLOORS 1 AND INTERMEDIATE AS PART OF ADD ALTERNATE #3. mm

| | RO | OF GENERAL NOTES | | ALTE | |
|------------|---|---|----|----------------|---|
| | 1. | PROTECT ALL OPENINGS CUT IN THE ROOF. PROVIDE TEMPORARY ROOFING IF | (| 1. | Y Y Y Y Y Y DORM ROOM AND DORM BATHROOM LIGHT FIXTURES A BASE BID: EXISTING LIGHT FIXTURES IN DORM ROOMS AND DORI |
| | 2 | THROUGHOUT THE CONSTRUCTION PHASE. | | 7 | BATHROOMS TO REMAIN OR BE REINSTALLED, AS INDICATED ON DRAWINGS. PROVIDE LED EBU'S IN EACH BATHROOM, AS INDICAT ON ELECTRICAL DRAWINGS |
| | ۷. | INDICATED ON THE ROOF PLAN. REFER TO STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS FOR NUMBER, LOCATION, AND SIZE OF PENETRATIONS. | (| 2 | B. ALTERNATE: EXISTING LIGHT FIXTURES IN DORM ROOMS AND DO BATHROOMS TO BE REPLACED WITH NEW LED FIXTURES, AS INDICATED ON DRAWINGS, SEE SUSCEPTION ROUGH TO THE TERMENT |
| | 3. | PROVIDE A 2 FEET WIDE WALKWAY WITH PROTECTION STRIPS ENTIRELY AROUND ALL ROOF TOP MECHANICAL UNITS AND CREATE A PROTECTION STRIP PATHWAY, | (| 7 | INDICATED ON DRAWINGS, SEE ELECTRICAL DWGS. THE LED EBU WILL BE MAINTAINED IN EACH BATHROOM AS INSTALLED UNDER BASE BID. |
| | 4. | 2 FEET WIDE, FROM THE ROOF ACCESS LOCATION(S) TO EACH MECHANICAL UNIT. PROTECT ROOFING MATERIALS FROM CONSTRUCTION OPERATIONS. | | 2. | COMMON AREA LIGHT FIXTURES (CORRIDOR, OFFICE, STAIRS, LAUNDRY STORAGE, UTILITY, ETC.) |
| | 5. | PROVIDE CURBS AND PRESSURE TREATED WOOD BLOCKING FOR ALL ROOF MOUNTED EQUIPMENT, UNLESS NOTES OTHERWISE. | (| 2 | A. BASE BID: EXISTING LIGHT FIXTURES IN COMMON AREAS TO REM OR BE SALVAGED AND REINSTALLED, AS INDICATED ON DRAWING SEE ELECTRICAL DWGS. PROVIDE LED EBU'S AND SELF-POWERE |
| | 6. | PROVIDE FALL PROTECTION AS DELEGATED DESIGN AS REQUIRED WHERE ACCESS TO OR PAST ROOF EQUIPMENT REQUIRES WORKERS BE WITHIN 10' OF | (| > | EXIT SIGNS THROUGHOUT COMMON AREAS, AS INDICATED ON ELECTRICAL DRAWINGS. B. ALTERNATE: EXISTING LIGHT FIXTURES IN COMMON AREAS TO B |
| | | ROOF EDGE. | (| } | REMOVED AND REPLACED WITH NEW LED FIXTURES. PROVIDE BI-LEVEL (50% OUTPUT AND 100% OUTPUT) LIGHTING, OCCUPANO SENSOR CONTROL ED, FOR CORRIDOR AND STAIRS, UTILIZE |
| | VEF | RTICAL CIRCULATION GENERAL NOTES | -(| 2 | EMERGENCY EGRESS LIGHTING CENTRAL INVERTERS, CONTROL SELECTED LIGHT FIXTURES, IN LIEU OF LED EBU'S, AS INDICATED |
| | 1. | ALL HANDRAIL AND GUARDRAIL COMPONENTS SHALL BE ABLE TO WITHSTAND A HORIZONTAL LOAD OF 250 POUNDS AT ANY POINT. | | J | VRF SYSTEMS FOR INTERMEDIATE, AND FIRST FLOORS IN PHASE 1 AND |
| | 2. | GUARDRAILS SHALL NOT ALLOW THE PASSAGE OF A 4-INCH SPHERE BETWEEN MEMBERS. | | | A. BASE BID: NO VRF SYSTEMS FOR THESE AREAS. B. ALTERNATE: PROVIDE VRF SYSTEMS FOR THESE AREAS. |
| | 3. | ALL RAMP, STAIR, LADDER, ALTERNATING TREAD DEVICE, HANDRAIL AND GUARDRAIL COMPONENTS SHALL COMPLY WITH THE APPLICABLE | | 4. | COURTYARD EXTERIOR DOORS A. BASE BID: EXISTING TO REMAIN |
| | | PROVISIONS OF THE LATEST VERSION(S) IDC, NEPA 101, AND THE ADA. | | | B. ALTERNATE: REPLACE EXISTING WOOD DOORS WITH HOLLOW N DOORS AND NEW HARDWARE. |
| | | | | 5. | STRUCTURAL FLOOR REMEDIATION AT WALK-OFF MATA.BASE BID: NO WORKB.ALTERNATE: REPLACE FLOOR SLAB AND IMPACTED |
| | | | | 6. | FINISHES WITH NEW AS INDICATED AT ONE LOCATION. STRUCTURAL FLOOR REMEDIATION AT TWO ADDITIONAL LOCATIONS |
| | | | | | A. BASE BID: NO WORK B. ALTERNATE: PROVIDE ACCESS HATCH IN EXISTING CONCRETE F WHERE INDICATED AND PRICE TO REPLACE POTENTIALLY FAILIN |
| | | | | | JOISTS AND FLOOR SLAB WITH RELATED FINISHES AT (2) TWO OT RECESSED WALK-OFF MATS OVER CRAWL SPACES ASSUMING SIMILAR DETERIORATION AND REPLACEMENT SCOPE. |
| | | | | 7. | COMMUNITY BATHROOM SINK APRONS BASE BID: REMOVE AND REINSTALL EXISTING SINK APRONS FOR |
| | | | | | ACCESS TO WORK BELOW SINKS. B. ALTERNATE: REMOVE AND DISPOSE OF EXISTING SINK APRONS A PROVIDE NEW APPONS SUPPORT BLOCKING AND HARDWARE A |
| | | | | | INDICATED IN DRAWINGS. THIS IS FOR THE LARGER COMMUNITY- STYLE RESTROOMS. SMALLER RESTROOMS WILL BE HANDLED C |
| | | | | | |
| | | DEMOLITION KEYNOTE LEGEND | | | CONSTRUCTION KEYNOTE SCHEDULE |
| | KEY | DESCRIPTION | | KEY | DESCRIPTION |
| | 1A 1C | REMOVE EXISTING CEILING MOUNTED LIGHT FIXTURE REMOVE ALL EXISTING CEILING MOUNTED AND WALL MOUNTED LIGHT FIXTURES | | | |
| | ADD AL | | - | ADD AL 5A | TERNATE 5 NEW 4" REINFORCED INFILL CONCRETE SLAB DOWELED INTO EXISTING SL/ STRUCTURAL |
| | 2A 2B 2C | REMOVE DISPLAY LIGHTING REMOVE ALL LIGHT FIXTURES REMOVE ALL LIGHT FIXTURES WITHIN ROOM | - | ADD AL | TERNATE 6 |
| | 2D | REMOVE ALL EXISTING CEILING MOUNTED AND WALL MOUNTED LIGHT FIXTURES | | 6A | NEW 3" REINFORCED INFILL CONCRETE SLAB DOWELED INTO EXISTING SLA STRUCTURAL. INSTALL NEW WALK OFF CARPET. REFER TO A800. |
| | ADD AL 3A | REMOVE WALL SCONCE | | BEDRO B1 | OMS TYPICAL ACCESSIBLE BEDROOM TYPE 1. REFER TO ENLARGED PLAN A1/A4 |
| \searrow | | TERNATE 4 REMOVE EXISTING WOOD DOOR AND HARDWARE, FRAME TO BEMAIN | | B2 B3 B4 | TYPICAL ACCESSIBLE BEDROOM TYPE 2. REFER TO ENLARGED PLAN A2/A4 TYPICAL ACCESSIBLE BEDROOM TYPE 3. REFER TO ENLARGED PLAN A3/A4 TYPICAL BEDROOM TYPE 4. REFER TO ENLARGED PLAN A4/A402 |
| کم ۲ | ADD AL | Y Y Y Y Y Y TERNATE 5 REMOVE FLOOR SLAB AND STRUCTURE, REFER TO STRUCTURAL | | B5 B6 | TYPICAL BEDROOM TYPE 5. REFER TO ENLARGED PLAN A5/A402.TYPICAL BEDROOM TYPE 6. REFER TO ENLARGED PLAN A6/A402. |
| ſ | | | | B7 B8 B9 | TYPICAL BEDROOM TYPE 7. REFER TO ENLARGED PLAN A7/A402. TYPICAL BEDROOM TYPE 8. REFER TO ENLARGED PLAN B1/A402. TYPICAL BEDROOM TYPE 9. REFER TO ENLARGED PLAN B2/A402. |
| | C2 REMOVE ACOUSTIC PANEL CEILING SYSTEM REMOVE GYPSUM BOARD FROM CEILING ASSEMBLY AS DIMENSIONED IN C2 CONSTRUCTION DI ANI CUT NEAT STRAIGUT UNES AT ALL EDGES. EXISTING SUB FINISU | | _ | B10 B11 | TYPICAL BEDROOM TYPE 10. REFER TO ENLARGED PLAN B3/A402. TYPICAL BEDROOM TYPE 11. REFER TO ENLARGED PLAN B4/A402. |
| | C3 | CONSTRUCTION PLAN. CUT NEAT, STRAIGHT LINES AT ALL EDGES. EXISTING SUB-FINISH STRUCTURE TO REMAIN IN PLACE. REMOVE GYPSUM CEILING IN ENTIRETY. EXISTING SUB-FINISH STRUCTURE TO REMAIN | | B12 B13 | TYPICAL BEDROOM TYPE 12. REFER TO ENLARGED PLAN B5/A402. TYPICAL BEDROOM TYPE 13. REFER TO ENLARGED PLAN B6/A402. |
| | C4 C5 | IN PLACE. REMOVE SOFFIT | _ | CEILING C1 | GS REINSTALL SALVAGED ACOUSTIC CEILING TILES. |
| | DOORS | | | DOORS | EXISTING HOLLOW METAL DOOR, FRAME, AND HARDWARE TO REMAIN, REF |
| | D1 D2 | REMOVE DOOR, FRAME, AND HARDWARE REMOVE DOOR AND HARDWARE. FRAME AND STOREFRONT SYSTEM TO REMAIN. | | | REQUIRED AND PAINT. |
| | EXTERI | OR | | GENER G1 | PROVIDE NEW CONCRETE SLAB ON GRADE WALKWAY FOR EGRESS PATH. COMPLIANT. LOCATE AS DIMENSIONED IN PLAN. |
| | E1 | REMOVE HORIZONTAL ELEMENTS OF CANOPY. VERTICAL COLUMNS TO REMAIN IN PLACE. SEE EXTERIOR ELEVATIONS. | | G2 G4 | YELLOW DIAGONAL PAINTED HATCH ON FLOOR TO DESIGNATE EGRESS PA KEEP CLEAR. LINES TO BE 4" WIDE, AND SPACED 24" O.C. PROVIDE CODE COMPLIANT HANDRAILS. BOTH SIDES OF STAIR. REFER TO |
| | FINISHE F1 | ES REMOVE TILE FLOORING AND WALL BASE | | | INFORMATION ON A000.2 |
| | F2 F3 | REMOVE FLOOR FINISHES, WALL BASE, AND WALL FINISHES REMOVE STAIR TREADS AND FLOOR FINISHES ON STAIRS. REMOVE HANDRAILS / GRAB BARS | - | F5 | PAINT GYPSUM, REFER TO PAINT NOTES AND FINISH SCHEDULE. INSTALL F BASE AT NEW GYPSUM FURRING WALL ONLY, REFER TO FINISH INFORMAT |
| | F4 | FLOOR FINISHES TO REMAIN | | W1 | INFILL MASONRY WALL WITH MATERIAL TO MATCH EXISTING. REFER TO INF DETAILS. |
| | GENER G1 | AL REMOVE EXISTING METAL LOUVER IN ITS ENTIRETY REMOVE PLUMBING FIXTURE, SALVAGE FOR REINSTALLATION, SEE PLUMBING | | VVZ | MATCH EXISTING. SEE WALL INFILL DETAILS, USE MASONRY INFILL DETAIL MASONRY INFILLS, STUD WALL INFILL DETAIL FOR STUD WALL INFILLS, OR FURRING WALL INFILL FOR FURRING WALL INFILLS, WHERE PLUMBING FIXT |
| | G2 | DRAWINGS. REMOVE EXISTING BATHROOM ACCESSORIES AND SALVAGE FOR REINSTALLATION. REMOVE EXISTING STALL DIVIDER SYSTEMS AND SALVAGE FOR REINSTALLATION. | | W3 | IMPACTED BY DEMO WORK, REINSTALL TO ORIGINAL LOCATION. PROVIDE ENCLOSURE AROUND PIPES. WALL TYPE S2F. LOCATE STUDS 2" (|
| | G3 | REMOVE SECTION OF FLOOR TO ACCOMMODATE NEW MEP WORK. EXACT LOCATION OF DEMOLITION TBD. | | | PIPES UNLESS OTHERWISE NOTED/ DIMENSIONED. |
| | G4 | REMOVE PORTION OF ROOF TO ACCOMMODATE NEW MECHANICAL WORK. EXACT LOCATIONS TBD. COORDINATE WITH MECHANICAL DRAWINGS. REMOVE WALL SCONCE | | | |
| \langle | | | | 1 | |
| ٢ | WALLS | | | | |
| ζ | | SELECTIVE REMOVAL OF ONE SIDE OF EXISTING CMU MASONRY WALL TO ACCESS EXISTING PLUMBING FOR REMOVAL AND REPLACEMENT. WIDTH OF WALL SECTION REMOVED TO BE KEPT TO A MINIMUM AS REQUIRED. EDGES OF DEMOLITION SHOULD | | | |
| | W1 | BE KEPT VERTICAL AND NEAT. PREPARE FOR INFILL. REFER TO STRUCTURAL DRAWINGS FOR INFORMATION ABOUT TEMPORARY SHORING OF BEARING WALLS. REFER TO PLUMBING DRAWINGS FOR INFORMATION. REFER TO CONSTRUCTION | | | |
| | | KEYNOTE W2 FOR INFILL INFORMATION. REMOVE EXISTING MASONRY WALL FROM FLOOR TO DECK ABOVE FROM CORNER TO CORNER 1 FAVING 4" AT THE CORNER TO TIE INFILL INTO, OR AS DIMENSIONED WHEN | _ | | |
| | | WIDTH DOES NOT EXTEND CORNER TO CORNER; WHEN BEHIND A PLUMBING FIXTURE NOT AT A SHAFT, WIDTH OF DEMOLITION TO BE 1'-0" CENTERED ON FIXTURE. REFER TO STRUCTURAL DRAWINGS FOR INFORMATION ABOUT TEMPORARY SHORING OF BEARING | | | |
| | W2 | WALLS. WHERE TEMPORARY SHORING REQUIRES THE REMOVAL OF WALLS NOT INDICATED FOR DEMOLITION, IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ARCHITECT AND REMOVE FXISTING WALLS AS REQUIRED TO TEMPORAPILY | | | |
| | | SHORE THE STRUCTURE. REFER TO CONSTRUCTION KEYNOTE W2 FOR INFILL INFORMATION. | | | |
| | W3 | REMOVE MASONRY WALL TO ALLOW FOR NEW DOOR LOCATION. COORDINATE LOCATION OF DEMO WITH NEW DOOR LOCATION AND ROUGH OPENING DIMENSIONS REMOVE PORTIONS OF WALL TO ACCOMMODATE INSTALLATION OF NEW WINDOWS. SEE | | | |
| | W5 | INTERIOR ELEVATIONS AND A600 SERIES. REMOVE MASONRY WALL FLOOR TO UNDERSIDE OF SLAB ABOVE. REMOVE HEATING ELEMENTS AND OTHER ITEMS INSTALLED IN WALL | - | | |
| | W6 | REMOVE FURRING ENCLOSING EXISTING PIPES TO BE REMOVED. REFER TO PLUMBING DRAWINGS | | | |
| | W7 | REMOVE WING WALL REMOVE SECTION OF MASONRY WALL AS REQUIRED TO FACILITATE MEP WORK. KEEP WALL REMOVAL TO A MINIMUM AND KEEP CUTS CLEAN. PREPARE FOR INFILL REFER TO | | | |
| | | CONSTRUCTION KEYNOTE W2 FOR INFILL INFORMATION. SELECTIVE REMOVAL OF ONE SIDE OF EXISTING CMU MASONRY WALL TO ACCESS | - | | |
| | W9 | REMOVED TO BE KEPT TO A MINIMUM TO ACCOMMODATE THE WORK. EDGES OF DEMOLITION SHOULD BE KEPT VERTICAL AND NEAT. PREPARE FOR INFILL. REFER TO | | | |
| | | WALLS. THIS LOCATION REQUIRES WORKING AROUND EXISTING WALL CABINETS, AND A COUNTERTOP TO REMAIN IN PLACE. REFER TO CONSTRUCTION KEYNOTE W2 FOR | | | |
| | W10 | EXISTING COLUMN TO REMAIN. CAREFULLY DEMO AROUND IT. | - | | |

4

WINDOWS N1 REMOVE WINDOW, LEAVE OUTER STEEL FRAME TO BE PANNED OVER.

4

AND DORM ATED ON AS INDICATED MS AND DORM ES, AS E LED EBU'S ED UNDER THE LAUNDRY, AS TO REMAIN DRAWINGS, -POWERED LED ATED ON EAS TO BE PROVIDE OCCUPANCY ILIZE CONTROLLING NDICATED ON \sim

HOLLOW METAL

TIONS NCRETE FLOOR LLY FAILING (2) TWO OTHER SUMING

RONS FOR APRONS AND DWARE AS DMMUNITY-IANDLED ON AN

DEMO DF DIA, D DIV DTL ISTING SLAB. SEE STING SLAB. SEE EA EBU LAN A1/A402. EIFS EJ AN A2/A402. AN A3/A402. EP EQ EXH EXIST EXT EW -FBO FCS EMAIN. REPAIR AS FEC FIN SS PATH. ADA FLR GRESS PATHWAY TO REFER TO HANDRAIL FΟ INSTALL RESILIENT FSR FORMATION. ER TO INFILL FTG N PLAN. PAINT TO FUR L DETAIL FOR FV FILLS, OR THE IBING FIXTURES WERE STUDS 2" OUTSIDE OF GFB

| <u>AB</u> | BREVIATIONS | |
|---------------|--|---------------|
| AB AB | ANCHOR BOLT | JT |
| AC | AIR CONDITIONING | KIT |
| ADDL ADJ | ADDITIONAL ADJUSTABLE | LAB |
| ADO AFF | AUTOMATIC DOOR OPERATOR ABOVE FINISHED FLOOR | LAM LAV |
| AH AIB | AIR HANDLER AIR INFILTRATION BARRIER | LB LCC |
| ALT ALUM | ALTERNATE ALUMINUM | LF LH |
| AOR APPR | | LOC'N LW |
| ARCH | ARCHITECT(URAL) | MAS |
| | AROUND AIR/VAPOR BARRIER | MATL |
| AWP | ACOUSTICAL WALL PANEL | MAX MC |
| BD BF | BOARD BARRIER FREE | MDO |
| BIT BLDG | BITUMINOUS BUILDING | MECH MED |
| BLKG BM | BLOCKING BENCHMARK | MF MFR |
| BOT BO | BOTTOM BOTTOM OF | MH MIN |
| BRK | BRICK | MISC MLDG |
| B/S BSMT | BRICK SHELF | MO |
| | | MRGB |
| CAB | CABINET | MSF |
| CC | CENTER TO CENTER | |
| CF CFMF | CUBIC FOOT COLD FORMED METAL FRAMING | N NA |
| CJ CL | CONTROL JOINT CENTERLINE | NIC NO |
| CLG CLR | CEILING CLEAR | NOM NRC |
| CMT CMU | CERAMIC MOSAIC TILE | NTS |
| CO COL | CLEANOUT COLUMN | 0/ OC |
| | CONCRETE C COLORED CONCRETE | OD OFS |
| CONT | CONTINUOUS OR CONTINUE | OH OP |
| CPT | CARPET | OH OPH |
| CSMT | COUNTERSINK CASEMENT | OPNG |
| CT CWT | CERAMIC TILE | OPP OPS |
| CUH CY | CABINET UNIT HEATER CUBIC YARD | Р |
| DBL | DOUBLE | PC PERF |
| DC DEMO | DISPLAY CASE DEMOLISH. DEMOLITION | PERIM PRKG |
| | | PL PLAM |
| DIM | | PLYWD |
| DMP | DEMOUNTABLE PARTITION | PSI PT |
| DR | DOOR | |
| DTL DWG | DETAIL DRAWING | PVC |
| DWR | DRAWER | PVMT |
| E EA | EAST CARACTER CARACTE | QR QT |
| EBU EF | EMERGENCY BATTERY UNIT EXHAUST FAN | RE: |
| EMHO EIFS | ELECTRO MAGNETIC HOLD OPEN | REF REQ'D |
| EJ FI | EXPANSION JOINT | REV |
| EP | | RF |
| ELEV | ELEVATOR | RM |
| ENCL | ENCLOSED/ENCLOSURE | ROW |
| EQUIP | EQUIPMENT | |
| EXH EXIST | EXISTING | SAT |
| EXT | EYEWASH | SCHED |
| EWC | ELECTRIC WATER COOLER | SD SECT |
| FB FBO | FIRE BLANKET FURNISHED BY OWNER | SF SGL |
| FCS FD | FLOOR COATING SYSTEM FLOOR DRAIN | SH SHT |
| FE FEC | FIRE EXTINGUISHER | SHTHG SIM |
| FFE | FINISHED FLOOR ELEVATION | SLNT SNR |
| FHVC | | SP SPEC |
| FIN GF | R FINISH GRADE | SPKR |
| FNDN | FOUNDATION | SS STC |
| FO | | STD STI |
| FRP | | STOR |
| FSR | FIRE RETARDANT TREATED FLEXIBLE SHEET ROOFING | STRUCT |
| FTG | FOOTING | SUSP |
| FTR FUR | FIN TUBE RADIATION FURRED(ING) | 5V - |
| FV FWC | FIELD VERIFY FABRIC WALL COVERING | Г ТВ |
| GA | GAUGE | ГВ T&G |
| GALV GB | GALVINIZED GRAB BAR | TGL THK |
| GFB GL | GROUND FACE CMU GLASS. GLAZING | ΓΟ ΓΡ |
| GWB | GYPSUM WALLBOARD | TPD TV |
| HARD HB | HARDENER HOSE BIBB | ГҮР |
| HC | HOLLOW CORE | UCR UNO |
| HDO | | VB |
| HDWR | | VC VCT |
| HORIZ | | VERT |
| HS | | VPW |
| HTG | | |
| HVAC | | W/ |
| ID IRC | | WD |
| IN INCL | INCH (ES) INCLUDE (D), (ING) | WGL |
| INFO INSUL | INFORMATION INSULATED | W/O WS |
| INT INV | INTERIOR INVERT | WP WWF |
| | | WWM |
| | | YD |
| | | ZCC |

| JOINT KITCHEN | |
|--|----------|
| LABORATORY LAMINATE (D) LAVATORY | |
| POUND (S) LEAD COATED COPPER LINEAR FOOT LEFT HAND LOCATION | |
| LIGHTWEIGHT (CMU) MASONRY | |
| MATERIAL MAXIMUM MEDICINE CABINET MULTI COLOR WALL FINISH MEDIUM DENSITY OVERLAY | |
| MECHANICAL MEDIUM MEMBRANE FLASHING MANUFACTURER | |
| MANHOLE MINIMUM MISCELLANEOUS MOULDING, MOULDING | |
| MASONRY OPENING MOISTURE RESISTANT MOISTURE RESISTANT GYPSUM BOARD | |
| METAL STUD FRAMING METAL | |
| NORTH NOT APPLICABLE NOT IN CONTRACT NUMBER | |
| NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE | |
| OVER ON CENTER OUTSIDE DIAMETER OVERFLOW SCUPPER OPPOSITE HAND | |
| OPAQUE OVERHEAD OPPOSITE HAND | |
| OPENING OPPOSITE OPERABLE PANEL SYSTEM | |
| PAINT PRECAST CONC. PERFORATED PERIMETER | |
| PARKING PLATE PLASTIC LAMINATE PL XWOOD | |
| POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PRESSURE TREATED | |
| PAPER TOWEL DISPENSER PARTITION POLYVINYL CHLORIDE PAVEMENT | |
| QUARTER ROUND QUARRY TILE | |
| REFERENCE REFRIGERATOR REQUIRED REVISION (S), REVISED | |
| RAIN LEADER RUBBER FLOOR RIGHT HAND ROOM | |
| ROUGH OPENING RIGHT OF WAY RESILIENT BASE | |
| SOUTH SUSPENDED ACOUSTICAL TILE SOLID CORE | |
| SCHEDULE STORM DRAIN, SOAP DISPENSER SECTION SQUARE FOOT | |
| SAFETY GLASS SHOWER SHEET SHEATHING | |
| SIMILAR SEALANT SANITARY NAPKIN RECEPTOR SPECIAL PAINT | <u> </u> |
| SPECIFICATION SPEAKER SQUARE | |
| STAINLESS STEEL SOUND TRANSMISSION CLASS STANDARD STEEL | |
| STORAGE STRUCTURAL STRUCTURE/STRUCTURAL SUPPORT | |
| SUSPENDED SHEET VINYL TOILET | |
| TOWEL BAR TACKBOARD TONGUE AND GROOVE | |
| THICK(NESS) TOP OF TOILET PARTITION | |
| TOILET PAPER DISPENSER TELEVISION TYPICAL | |
| UNDER COUNTER REFRIGERATOR UNLESS NOTED OTHERWISE VAPOR BARRIER/VINY BASE | |
| VALVE CABINET VINYL COMPOSITION TILE VERTICAL VERIFY IN FIELD | |
| VENEER PLYWOOD VINYL WALL COVERING WEST | |
| WITH WATER CLOSET WOOD WIRE GLASS | |
| WATER HEATER WITHOUT WATERSTOP | |
| WATERPROOF WELDED WIRE FABRIC WELDED WIRE MESH | Z |
| YARD ZINC-COATED COPPER | |
| | |
| | |

MATERIALS LEGEND

| | GRAVEL |
|--|--|
| | CONCRETE MASONRY UNIT |
| | BRICK |
| | CONCRETE |
| | SOIL |
| | STEEL |
| | WOOD FRAMING |
| | WOOD BLOCKING |
| | GYPSUM BOARD |
| | PLYWOOD |
| | RIGID INSULATION |
| | BATT INSULATION |
| <u>PLAN GRAPHIC L</u> | EGEND |
| | EXISTING WALL TO REMAIN |
| | EXISTING WALL TO BE REMO |
| | NEW CMU WALL |
| | EXISTING DOOR AND FRAME TO REMAIN |
| | EXISTING DOOR AND FRAME TO BE REMOVED |
| | NEW DOOR AND FRAME |
| | EXISTING FLOOR TO BE REMOVED |
| | NEW CONCRETE SLAB INFILL |
| | NEW WALKING PADS |
| <u>SYMBOL</u> | <u>S</u> |
| Room name 101 ROOM 150 SF | TAG |
| ROOM NUMBER BEDROOMS ARE | NOTE: DENTIFIED WITH THREE DIGIT |
| 1ST DIGIT = FLOO 2ND DIGIT = PHA 3RD AND 4TH DIG | OR SE GIT = ROOM IDENTIFIER |
| DOOR | TAG |
| |)W\GLAZING TAG |
| XX - WALL | TAG |
| | |
| TOILE | I ACCESSORY TAG |
| (#) DEMO | LITION KEY NOTE |
| # CONS | TRUCTION KEYNOTE |
| | BUILDING SECTION |
| | |
| A101 SIM | |
| | J PLAN OR SECTION DET |
| 1 1 | EXTERIOR ELEVATION |
| A41.1 ~ | INTERIOR ELEVATION |
| I. | |

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COLUMN CENTERLINE





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|---|--|
| | PLAN REFERENCE: FLOOR PLAN DERIVED FROM DRAWINGS BY OTHERS PROVIDED TO HALEY WARD, INC AND ARE NOT WARRANTED AS TO ACCURACY AND ARE INTENDED TO BE SCHEMATIC. |
| | LEGEND |
| | NON-ACM FLOOR TILE WITH ASSOCIATED ACM ADHESIVE |
| | ACM FLOOR TILE WITH ASSOCIATED ACM ADHESIVE |
| | ACM INSULATED PIPE EXPOSED |
| | X -1 ACM INSULATED PIPE FITTING ABOVE CEILING |
| | X-3 ACM INSULATED PIPE FITTING |
| | ACM ASPHALT VAPOR BARRIER |
| | ACM TANK INSULATION |
| | <u>NOTE:</u> ALL EXTERIOR WINDOWS HAVE ASBESTOS CONTAINING CAULKING. |
| | NOTES: 1. DRAWINGS PROVIDE GENERAL COORDINATION OF INFORMATION ONLY AND ARE SCHEMATIC IN THEY DO NOT IDENTIFY ALL INDIVIDUAL ITEMS TO BE REMOVED AS REQUIRED BY THE RENOVATION PROJECT. SUBCONTRACTOR RESPONSIBLE FOR CONFIRMING ACTUAL QUANTITIES OF ASBESTOS-CONTAINING MATERIALS (ACM) AND NON-ACM BUILDING MATERIALS TO BE REMOVED |
| | PRIOR TO SUBMITTAL OF BIDS. 2. IDENTIFIED ACM TO BE ABATED AS PART OF RENOVATION/DEMOLITION ACTIVITIES. REFER TO TABLE 1: SUMMARY OF IDENTIFIED ASBESTOS- CONTAINING MATERIALS (ACM) AND ESTIMATED QUANTITIES, CURTIS HALL, MAINE MARITIME ACADEMY, CASTINE, MAINE |
| | 3. SUBCONTRACTOR RESPONSIBLE FOR A SITE-SPECIFIC ASBESTOS ABATEMENT PROJECT DESIGN AND WORK PLAN FOR EACH WORK AREA PREPARED BY A MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION (MDEP) LICENSED ASBESTOS DESIGN CONSULTANT |
| | 4. SUBCONTRACTOR RESPONSIBLE FOR SUBMISSION OF FEDERAL AND STATE NOTIFICATIONS AND ASSOCIATED FEES. |
| | 5. SUBCONTRACTOR TO PROVIDE A MDEP LICENSED INDEPENDENT AIR MONITOR FOR VISUAL INSPECTIONS AND AIR OF EADANCES, AS DECUMPED |

- CLEARANCES, AS REQUIRED, MUST BE SUBMITTED TO THE OWNER. 6. CONTAMINATED WASTE HANDLING COSTS, SUCH AS WASTE PACKAGING, STORING/HANDLING, TRANSPORT/DISPOSAL, PERMITTING, RECORD KEEPING, AND NON-CONTAMINATED WASTE HANDLING MUST BE INCLUDED IN THE CONTRACTOR'S PROPOSAL AS APPLICABLE TO REMOVAL OF ASBESTOS MATERIALS AND/OR PERFORMANCE OF THE RELATED ABATEMENT ACTIVITIES.
- 7. PROTECT FROM DAMAGE AND WEATHER ANY EXISTING BUILDING COMPONENTS, WHICH ARE EXPOSED AS A RESULT OF DEMOLITION OR ACM REMOVALS. 8. ALL DEMOLITION/REMOVAL DEBRIS IS THE









PLAN REFERENCE: ARE INTENDED TO BE SCHEMATIC.

LEGEND







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PLAN REFERENCE: FLOOR PLAN DERIVED FROM DRAWINGS BY OTHERS PROVIDED TO HALEY WARD, INC AND ARE NOT WARRANTED AS TO ACCURACY AND ARE INTENDED TO BE SCHEMATIC.

ACM INSULATED PIPE FITTING ABOVE CEILING

NOTE: ALL EXTERIOR WINDOWS HAVE ASBESTOS CONTAINING CAULKING.

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PLAN REFERENCE: FLOOR PLAN DERIVED FROM DRAWINGS BY OTHERS PROVIDED TO HALEY WARD, INC AND ARE NOT WARRANTED AS TO ACCURACY AND ARE INTENDED TO BE SCHEMATIC. LEGEND

⊗-1 ACM INSULATED PIPE FITTING ABOVE CEILING

NOTE: ALL EXTERIOR WINDOWS HAVE ASBESTOS CONTAINING CAULKING.

NOTES: 1. DRAWINGS PROVIDE GENERAL COORDINATION OF INFORMATION ONLY AND ARE SCHEMATIC IN THEY DO NOT IDENTIFY ALL INDIVIDUAL ITEMS TO BE REMOVED AS REQUIRED BY THE RENOVATION PROJECT. SUBCONTRACTOR RESPONSIBLE FOR CONFIRMING ACTUAL QUANTITIES OF ASBESTOS-CONTAINING MATERIALS (ACM) AND NON-ACM BUILDING MATERIALS TO BE REMOVED PRIOR TO SUBMITTAL OF BIDS.

- 2. IDENTIFIED ACM TO BE ABATED AS PART OF RENOVATION/DEMOLITION ACTIVITIES. REFER TO TABLE 1: SUMMARY OF IDENTIFIED ASBESTOS-CONTAINING MATERIALS (ACM) AND ESTIMATED QUANTITIES, CURTIS HALL, MAINE MARITIME ACADEMY, CASTINE, MAINE
- 3. SUBCONTRACTOR RESPONSIBLE FOR A SITE-SPECIFIC ASBESTOS ABATEMENT PROJECT DESIGN AND WORK PLAN FOR EACH WORK AREA PREPARED BY A MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION (MDEP) LICENSED ASBESTOS DESIGN CONSULTANT
- 4. SUBCONTRACTOR RESPONSIBLE FOR SUBMISSION OF FEDERAL AND STATE NOTIFICATIONS AND ASSOCIATED FEES. 5. SUBCONTRACTOR TO PROVIDE A MDEP LICENSED INDEPENDENT AIR MONITOR FOR VISUAL
- INSPECTIONS AND AIR CLEARANCES, AS REQUIRED. EVIDENCE OF VISUAL INSPECTION AND AIR CLEARANCES, AS REQUIRED, MUST BE SUBMITTED TO THE OWNER. 6. CONTAMINATED WASTE HANDLING COSTS, SUCH AS WASTE PACKAGING, STORING/HANDLING, TRANSPORT/DISPOSAL, PERMITTING, RECORD KEEPING, AND NON-CONTAMINATED WASTE HANDLING MUST BE INCLUDED IN THE
- CONTRACTOR'S PROPOSAL AS APPLICABLE TO REMOVAL OF ASBESTOS MATERIALS AND/OR PERFORMANCE OF THE RELATED ABATEMENT ACTIVITIES. 7. PROTECT FROM DAMAGE AND WEATHER ANY EXISTING BUILDING COMPONENTS, WHICH ARE
- REMOVALS. 8. ALL DEMOLITION/REMOVAL DEBRIS IS THE PROPERTY OF THE SUBCONTRACTOR, UNLESS NOTED OTHERWISE, AND SHALL BE LEGALLY DISPOSED OF.







PLAN REFERENCE: ARE INTENDED TO BE SCHEMATIC. LEGEND















A6 ENLARGED PLAN @ GROUND FLOOR TOILETS 1/4" = 1'-0"



A5 ENLARGED PLAN @ HALL BATHROOM B

5

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B2 ENLARGED PLAN @ TYP. SINGLE USER BATHROOM D

C2 ENLARGED PLAN @ GROUND FLOOR BATH 1/4" = 1'-0"





D2 ENLARGED PLAN AT TYPICAL GROUND FLOOR COMMUNAL BATHROOM





EXISTING STALL – DIVIDERS TO BE REINSTALLED IN PREVIOUS LOCATIONS







B1 ENLARGED PLAN @ ENTRY LOBBY TOILETS 1/4" = 1'-0"





1

BUILD CHASE TO BE FLUSH WITH SIDE OF EXISTING COUNTERTOP --

A1 ENLARGED PLAN @ PHASE 3 BATHROOM 1/4" = 1'-0"



| | 6 | | | 5 |
|-------------------|---|---|------------|--|
| <u>STRI</u> | JCTURAL NOTES: | | <u>FOU</u> | NDATIONS: |
| <u>GEN</u> | ERAL: | | 1. | FOUNDATION SYSTEMS HAVE BEEN DESIGNED WITH AN ASSUMED BEA |
| 1. | WORK SHALL CONFORM TO THE REQUIREMENTS OF 2015 INTERNATIONAL BUILDING CODE (IBC) ANSI/ASCE 7-10 AISC STEEL CONSTRUCTION MANUAL, 14TH E | F APPLICABLE STATE AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO: DITION | 2. | BEDDING AND FILL PROFILES BENEATH SLABS ON GRADE AND FOUND. RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT REFE AND APPROVED, IN WRITING, BY A REGISTERED SOILS ENGINEER PRIC |
| 2. | DISCREPANCIES BETWEEN THE ABOVE LISTED COD OF THE ENGINEER FOR CLARIFICATION BEFORE PR | ES AND THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OCEEDING WITH AFFECTED WORK. | 3. | FOUNDATION DESIGN IS BASED ON SHALLOW SPREAD FOOTINGS BEA COMPACTED GRANULAR/STRUCTURAL FILL AS PROVIDED IN THE GEO |
| 3. | WORK SHALL BE PERFORMED BY PERSONS QUALIF WHICH THE PROJECT IS LOCATED. | ED IN THEIR TRADE AND LICENSED TO PRACTICE SUCH TRADE IN THE STATE IN | 4 | EXTERIOR STRIP AND SPREAD FOOTINGS SHALL HAVE MINIMUM 4'-6" |
| 4. | THESE DRAWINGS SHALL BE USED IN CONJUNCTION ADDITION TO ANY SPECIFICATIONS AND ANY SHOP | N WITH ANY ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS IN DRAWINGS PROVIDED BY SUBCONTRACTORS AND SUPPLIERS. | 5. | REFERENCE THE GEOTECHNICAL REPORT FOR ALL EXCAVATION, BAC PERMANENT DRAINAGE REQUIREMENTS. |
| 5. | DIMENSIONS, ELEVATIONS, AND CONDITIONS SHALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTER AFFECTED PART OF WORK. | . BE VERIFIED IN THE FIELD BY THE GENERAL CONTRACTOR (GC) AND NTION OF THE ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH THE | 6. | SOILS EXPOSED AT THE BASE OF ALL SATISFACTORY FOUNDATION EX CHANGE IN CONDITION, SUCH AS DISTURBANCE FROM RAIN OR FROS EXCAVATIONS AND NOT BE ALLOWED TO POND. FOUNDATION EXCAVA |
| 6. | UNLESS OTHERWISE NOTED, DETAILS, SECTIONS, A SIMILAR DETAILS. | ND NOTES SHOWN ON THESE DRAWINGS SHALL BE CONSIDERED TYPICAL FOR | | FREEZING CONDITIONS. GROUNDWATER SHALL BE ANTICIPATED FOR SHALL BE EMPLOYED. |
| 7. | SHOP DRAWINGS PROVIDED BY OTHERS SHALL BE MATERIAL OR THE PURCHASE OF NON-REFUNDABLI | SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO THE FABRICATION OF E STOCK. DIMENSIONAL REVIEW IS THE GC'S RESPONSIBILITY. | 7. | SLABS ON GRADE SHALL BEAR ON A MINIMUM OF 12" OF COMPACTED UNDESIRABLE FILLS ARE ENCOUNTERED AT THE SLAB SUBGRADE LEV THE NATURAL SOIL AND REPLACED WITH COMPACTED STRUCTURAL F DRAWINGS FOR VAPOR BARRIER AND INSULATION REOLIDEMENTS. M |
| 0. | COMPLETE, IS SOLELY THE RESPONSIBILITY OF THE BY A REGISTERED PROFESSIONAL ENGINEER SPEC RECORD PRIOR TO THE START OF DEMOLITION OR | E GC. THE GC SHALL SUBMIT COMPLETE SHORING PLANS AND DETAILS PREPARED IALIZING IN SHORING STRUCTURES, TO BE REVIEWED BY THE ENGINEER OF CONSTRUCTION ACTIVITIES. | 8. | GRADATION AND USAGE FOR CRUSHED STONE/STRUCTURAL FILL AND THE GEOTECHNICAL REPORT. |
| 9. | THE BUILDING PERMIT APPLICANT (E.G, CONTRACT) 17 OF THE 2015 IBC AND FURNISH INSPECTION REPO TESTING/INSPECTION AGENCY(S) MUST BE APPROV | OR) MUST PROVIDE SPECIAL INSPECTIONS PER THE REQUIREMENTS OF CHAPTER ORTS TO THE CODE OFFICIAL AND TO THE ENGINEER OF RECORD. THE ED BY THE ENGINEER OF RECORD. | 9. | STRUCTURAL FILL OR GRANULAR FILL BENEATH SLABS SHALL BE PLAC AND COMPACTED BY SELF-PROPELLED COMPACTION EQUIPMENT AT A DENSITY OF AT LEAST 95% OF THE MAXIMUM IN PLACE DRY DENSITY A D-1557) FOR STRUCTURAL FILL OR 100% OF THE RODDED UNIT WEIGH |
| 10. | THE ENGINEER, AT HIS/HER OPTION, MAY PROVIDE THE GC WITH ELECTRONIC FILES FOR HIS/HER CONVENIENCE AND USE IN THE PREPARATION OF SHOP DRAWINGS. DATA CONTAINED ON THESE ELECTRONIC FILES ARE THE ENGINEER'S INSTRUMENT OF SERVICE AND MAY NOT BE ELECTRONICALLY COPIED FOR REUSE AS SHOP DRAWINGS. FURTHERMORE, THESE ELECTRONIC FILES ARE NOT | | | UNDERDRAINS SHALL BE PLACED AS SHOWN ON THE SITE DRAWINGS A SUITABLE DISCHARGE POINT AWAY FROM THE STRUCTURE. REFER |
| | DOCUMENTS, INCLUDING, WITHOUT LIMITATION, TH FIELD MEASUREMENTS, VERIFY FIELD CONDITIONS PROJECT. THE GC MAY NOT MANUALLY ALTER THE | S, WITHOUT LIMITATION, THE NEED TO CHECK, CONFIRM AND COORDINATE DIMENSIONS AND DETAILS, TAKE VERIFY FIELD CONDITIONS AND COORDINATE THE GC'S WORK WITH THAT OF OTHER CONTRACTORS FOR THE NOT MANUALLY ALTER THE HARD COPIES OF THE CONSTRUCTION DOCUMENTS AND REUSE THEM AS SHOP | | EXTERIOR CONCRETE SLABS ON GRADE SHALL BE UNDERLAIN BY AT I REINFORCE SLABS WITH #4 @ 12" EACH WAY AT CENTER OF SLAB. |
| | DRAWINGS. | | 12. | FOUNDATION WALL REINFORCING WILL BE ADJUSTED AS REQUIRED N |
| <u>DESI</u> 1. | <u>GN LOADS</u> : THE PROPOSED STRUCTURAL ELEMENTS FOR THE THE DEAD LOADS OF THE VARIOUS STRUCTURAL AI | STORE HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2015 IBC TO CARRY ALL ND ARCHITECTURAL SYSTEMS AND THE FOLLOWING LIVE LOADS: | 13. | EXCAVATIONS FOR BUILDING FOUNDATIONS AND STRUCTURES SHALL BRACED EXCAVATIONS SHALL BE DESIGNED BY A PROFESSIONAL ENG UNDERMINE EXISTING ADJACENT FOUNDATIONS. REFER TO GEOTECH REQUIREMENTS. |
| | RISK CATEGORY <u>DEAD LOAD</u> EQUIPMENT DL | III PER PLAN | 14. | IN NO CASE SHALL HEAVY EQUIPMENT BE PERMITTED CLOSER THAN 8 CONTRACTOR DEEMS IT NECESSARY TO OPERATE SUCH EQUIPMENT RESPONSIBLE AND, AT HIS OWN EXPENSE, PROVIDE ADEQUATE SUPP LOADS SUPERIMPOSED FROM SUCH EQUIPMENT. |
| | SNOW LOAD | | STR | UCTURAL STEEL NOTES: |
| | BASIC GROUND SNOW LOAD THERMAL FACTOR EXPOSURE FACTOR | $P_{g} = 60 \text{ PSF}$ $C_{t} = 1.0$ $C_{e} = 1.0$ | 1. | STRUCTURAL STEEL FABRICATION < ERECTION AND CONNECTION DES FABRICATION AND ERECTION OF STRUCTURAL STEEL" – LATEST EDITI |
| | IMPORTANCE FACTOR FLAT ROOF SNOW LOAD SNOW DRIFT LOADS | I _S = 1.1 P _f = 46.2 PSF PER PLAN | 2. | STRUCTURAL STEEL PLATES, SHAPES AND BARS, CONFORM TO ASTM SHAPES DESIGNATED ON THE DRAWINGS FOR WIDE FLANGE SECTION REQUIREMENTS PER ASIC TECHNICAL BULLETIN #3 DATED MARCH, 199 |
| | WIND | | 3. | STRUCTURAL TUBING: CONFORM TO ASTM A500 GRADE B 46 KSI. |
| | BASIC WIND SPEED EXPOSURE CATEGORY SEISMIC | V _{ULT} = 122 MPH C | 4. | CONNECTION DESIGN FOR THE PROJECT IS THE RESPONSIBILITY OF T SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROJECT S THIS PROJECT. SEE THE PROJECT SPECIFICATIONS FOR ADDITIONAL |
| | SITE CLASS | D (ASSUMED) | 5. | FIELD CONNECTIONS SHEEL BE BOLTED USING ASTM A325N HIGH STR CONNECTIONS ARE REQUIRED AND NOTED BY A325 (SC) ON THE DRAV |
| | SPECTRAL ACCELERATIONS SEISMIC DESIGN CATEGORY | $S_{DS} = 0.199, S_{D1} = 0.113$ B | 6. | WHERE WELDING IS INDICATED, ALL WELDING SHALL CONFORM TO AV AWS A5.1 E70XX SERIES WITH PROPER ROD TO PRODUCE OPTIMUM W |
| | | | 7. | SEE CONCRETE NOTES AND DRAWINGS FOR ANCHOR BOLT INFORMATION |
| | | | 8. | PROVIDE 1/4" THICK LEVELING PLATE UNDER ALL COLUMN BASE PLATES AND GROUTED PRIOR TO ERECTING COLUMNS. |
| | | | 9. | PROVIDE ALL MISCELLANEOUS ANGLES, PLATES, ANCHORS, ETC. SHO BLOCKING< PARAPETS, FINISHES, ETC. COORDINATE WITH MISCELLAN |

OF ALL ITEMS.

| | 4 | 3 | | 2 |
|---|--|--|--|---|
| | CONCRETE: | | MASONRY NOTES: | |
| ARING CAPACITY OF 2,000 PSF FOR BEARING ON SOILS. THE S TESTING AGENCY PRIOR TO PLACING FOOTING CONCRETE. | CONCRETE WORK SHALL COMPLY WITH ACI 301 CODE REQUIREMENTS FOR REINFORCED CONC PRACTICE" | I "SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS", ACI 318 "BUILDING CRETE", ACI 315 "ACI DETAIL MANUAL", AND CRSI "MANUAL OF STANDARD | 1. CONCRETE MASONRY LINTELS SHALL HAVE 8-INCH (MIN) END BEARING | |
| ATION FOOTINGS SHALL COMPLY WITH THE RENCED ABOVE. ALL FOOTING BOTTOMS SHALL BE INSPECTED OR TO PLACING CONCRETE. WRITTEN APPROVAL SHALL NED BEARING PRESSURE. | CONTRACTOR SHALL PROVIDE TIES AND BRACI STRUCTURES ARE COMPLETE. | NG WHERE NECESSARY DURING CONSTRUCTION, TO REMAIN IN PLACE UNTIL THE | NOTED) 4"x4"x5/16" GALVANIZED STEEL ANGLE LINTEL. FOR OPENINGS AND 7'-11" WIDE (UNLESS OTHERWISE NOTED) 6"x4"x3/8" GALVANIZED S' OPENINGS AND PENETRATIONS BETWEEN 8'-0" AND 9'-4" WIDE (UNLESS GALVANIZED STEEL ANGLE LINTEL. FOR OPENINGS AND PENETRATIONS | ND PENETRATIONS BETWEEN 4'-0" FEEL ANGLE LINTELS. FOR OTHERWISE NOTED) 7"x4"x3/8" BETWEEN 9'-5" AND 10'-0" (UNLESS |
| RING ON SUITABLE UNDISTURBED NATIVE SOILS AND/OR NEW TECHNICAL REPORT REFERENCED ABOVE EXTEDNING TO BEARING RECOMMENDATIONS. | CONCRETE SHALL BE: A. FOOTING AND FOUNDATION WALLS: 3500 B. INTERIOR SLABS-ON-GRADE: 4,000 PSI (0.52). NO AIR. | 0 PSI AT (28) DAYS (W/C = 0.49) AIR ENTRAINED. CONCRETE AT (28) DAYS. SLUMP SHALL NOT EXCEED 4-INCHES +/- 1-INCH (W/C = | CTHERWISE NOTED) 8"x4"x 1/2" GALVANIZED STEEL ANGLE LINTEL. A VE ACCEPTABLE ON ONE END OF INDIVIDUAL MASONRY OPENINGS IF INDIC ELEVATIONS. VERTICAL CONTROL JOINTS ARE NOT ALLOWED AT BOTH OPENINGS. | RTICAL CONTROL JOINT IS ATED ON ARCHITECTURAL ENDS OF INDIVIDULA MASONRY |
| GRADE COVER TO BOTTOM OF FOOTING ELEVATIONS. | C. EXTERIOR SLABS ON GRADE SIDEWALKS INCHES +/- 1-INCH (W/C = 0.45). AIR-ENTF D. SEE SPECIFICATIONS SECTION 03 30 00 | S, AND STAIRS SHALL BE 4000 PSI AT (28) DAYS. SLUMP SHALL NOT EXCEED 4- RAINED. FOR FURTHER CAST-IN-PLACE CONCRETE REQUIREMENTS. | 3. CONCRETE MASONRY BLOCK WALLS WITH VERTICAL REINFORCING SH/ PSI GROUT. INSTALLATION OF REINFORCEMENT SHALL BE CONTINUOU | ALL HAVE CORES FILLED WITH 3000 S AND RUN UNOBSTRUCTED BY A |
| KFILL, COMPACTION, CONSTRUCTION DEWATERING AND | 4. CONCRETE MATERIALS: | | ANY BAR JOIST SEAT/BEAM BEARING PLATE ARRANGEMENTS. | |
| CAVATIONS SHALL BE PROTECTED AGAINST ANY DETRIMENTAL T. SURFACE RUNOFF SHALL BE DRAINED AWAY FROM THE ATIONS SHALL BE ADEQUATELY PROTECTED FROM RAILFALL OR | A. PORTLAND CEMENT: ASTM C150, TYPE I B. NORMAL WEIGHT AGGREGATE: ASTM C3 CONTAINING SOLUBALE SALTS, IRON SU CONCRETE SURFACES. | OR II. USE ONE TYPE THROUGHOUT PROJECT. 33. PROVIDE FROM SINGLE SOURCE FOR ENTIRE PROJECT. NO AGGREGATE ILFIDES, PYRITE, MARCASITE OR OCHRE WHICH CAN CAUSE STAINS ON EXPOSED | OMIT REBAR/GROUTING IN MASONRY CELLS WHICH SHALL RECEIVE RO ETC. REQUIRED REINFORCEMENT SHALL BE INSTALLED IN THE ADJACE SOLID. | OF DRAIN LEADERS, CONDUITS, NT CELL AND SHALL BE GROUTED |
| EXCAVATIONS AND APPROPRIATE DEWATERING MEASURES | C. LIGHTWEIGHT AGGREGATES: ASTM C330 D. WATER: POTABLE. E. AIR-ENTRAINING ADMIXTURE: ASTM C260 | 0. 0. | HOLLOW CONCRETE BLOCK UNITS: ASTM C90 GRADE N TYPE 1 STANDA STRETCHERS AND CORNER BLOCKS. MINIMUM PRISM STRENGTH OF BL 2000 PSI. | .RD WEIGHT BLOCKS INCLUDING OCK IN 28 DAYS SHALL BE, $f_m =$ |
| STRUCTURAL FILL OR 8" OF CRUSHED STONE. IF LOOSE OR /EL, THEY SHALL BE OVER EXCAVATED TO THE SURFACE OF /ILL OR CRUSHED STONE. REFER TO ARCHITECTURAL | F. HIGH-RANGE WATER REDUCING ADMIXT THAN 1% CHLORIDE IONS. G. NORMAL RANGE WATER REDUCING ADM | URES (SUPER PLASTICIZER): ASTM C494 TYPE F OR G CONTAINING NOT MORE | 6. LAY UNITS IN RUNNING BOND. CORNERS SHALL HAVE A STANDARD BON PROVIDE FULL MORTAR COVERAGE ON ALL WEBS AND FACE SHELLS. | D BY OVERLAPPING UNITS. |
| OIST CURE SLABS IN ACCORDANCE WITH ACI. | H. ACCELERATING ADMIXTURES: ASTM C49 | | 7. MORTAR: TYPE S. CONFORM TO ASTM-C476. | |
|) GRANULAR BORROW FILL MATEIRIALS SHALL BE AS NOTED IN | 5. PROVIDE PVC SLEEVES WHERE PIPES PASS TH | ROUGH CONCRETE WALLS OR SLABS. | 8. GROUT: 3000 PSI MINIMUM 28 DAY COMPRESSIVE STRENGTH. CONFORM | 1 TO ASTM C-476. ROD GROUT |
| CED IN LAYERS NOT EXCEEDING 12 INCHES IN LOOSE MEASURE | 6. CONCRETE SHALL NOT BE PLACED ON FROZEN | GROUND OR IN WATER. | IMMEDIATELY AFTER POURING AND AGAIN APPROX. 5 MINUTES LATER. CLEANOUTS SHALL NOT EXCEED 4'-0" IN BLOCK WALLS | MAXIMUM GROUT LIFT WITHOUT |
| APPROXIMATE OPTIMUM MOISTURE CONTENT TO A DRY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM T AS DETERMINED BY ASTM C-29 FOR CRUSHED STONE. | 7. REINFORCING BARS SHALL CONFORM TO ASTM ERECTED IN ACCORDANCE WITH ACI 315-LATES | A615 GRADE 60 DEFORMED BARS, AND SHALL BE DETAILED, FABRICATED AND ST EDITION. | 9. REINFORCING FOR BOND BEAMS, LINTEL BLOCKS, AND VERTICAL WALL STEEL CONFORMING TO ASTM A615, GRADE 60. STANDARD LAP LENGTH | REINFORCING SHALL BE BILLET I OF GRADE 60 MASONRY |
| . UNDERDRAINS SHALL BE INSTALLED TO POSITIVELY DRAIN TO TO SITE DRAWINGS FOR ADDITIONAL INFORMATION. | 8. COMPLETE SHOP DRAWINGS AND SCHEDULES SUBMITTED TO THE ENGINEER FOR REVIEW PR MUST BE SHOWN ON THE SHOP DRAWINGS. | OF ALL REINFORCING STEEL SHALL BE PREAPRED BY THE CONTRACTOR AND NOR TO COMMENCEMENT OF THAT PORTION OF THE WORK. ALL ACCESSORIES | REINFORCING BARS SHALL BE 48 BAR DIAMETERS FOR BARS #5 AND SM FOR BARS #6 AND #7. G.C. OPTION TO PROVIDE MECHANICAL SPLICES I STRENGTH. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORC | ALLER, AND 75 BAR DIAMETERS RATED FOR 125% THE BAR YIELD CEMENT. |
| LEAST 6'-0" OF CRUSHED STONE. UNLESS OTHERWISE NOTED, | 9. UNLESS OTHERWISE NOTED, 4-INCH SLABS ON WELDED WIRE FABRIC SHALL BE PROVIDED IN F | GRADE SHALL BE REINFORCED WITH 6 X 6 X W2.9 X W2.9 WELDED WIRE FABRIC. FLAT SHEETS AND CONFORM TO ASTM A-185. | 10. PLACE BOND BEAM REINFORCING CONTINUOUS THROUGH EXPANSION BARS WITH 1/8-INCH THICK BOND BREAKING TAPE 24-INCHES BOTH SIDI BOND BEAM REINFORCING WITHIN 6'-0" OF AN EXPANSION OR CONTROL | AND CONTROL JOINTS, WRAPPING ES OF JOINT. DO NOT SPLICE |
| OT TO INTERFERE WITH ANY BASE PLATE ANCHOR BOLTS. BE IN ACCORDANCE WITH OSHA REQUIREMENTS. | 10. UNLESS OTHERWISE NOTED, SPACINGS OF CO FROM ANY CORNER. THESE MAXIMUMS CAN BE MINIMUM OF 72 HOURS SHALL ELAPSE BETWEE | NSTRUCTION JOINTS IN FOOTINGS AND WALLS SHALL NOT EXCEED 40'-0", OR 15'-0" E EXCEEDED ONLY WHERE INTERMEDIATE CONTRACTION JOINTS ARE PROVIDED. N ADJACENT CONCRETE PLACEMENTS. | 0" . 11. PROVIDE CONTINUOUS WIRE LATHE GROUT BARRIERS AS REQUIRED UI CELLS. | NDER FIRST COURSE OF GROUTED |
| GINEER REGISTERED IN THE PROJECT STATE. DO NOT HNICAL REPORT FOR ADDITIONAL AND/OR MORE SPECIFIC | 11. REINFORCEMENT SHALL BE CONTINUOUS AROL | JND CORNERS AND AT INTERSECTIONS. PROVIDE LAPPED BARS AT NECESSARY | 12. PROVIDE LADDER TYPE #9 HORIZONTAL JOINT REINFORCING AT 16-INC | HES VERTICAL SPACING IN WALLS |
| | SPLICES OR HOOKED BARS AT DISCONTINUOUS OTHERWISE SHOWN ON PLAN. | S ENDS. PROVIDE TENSION LAP SPLICES FOR ALL REINFORCING UNLESS | 13. WET MASONRY WALLS THOROUGHLY FOR (3) CONSECUTIVE DAYS IMME | EDIATELY AFTER PLACEMENT IF |
| '-0" FROM ANY FOUNDATION/BASEMENT WALL. IF THE CLOSER THAN 8'-0", THE CONTRACTOR SHALL BE SOLELY | 12. ALL CONSTRUCTION JOINTS FOR SLABS SHALL | BE KEY JOINTED AT MID-SPAN WITH REINFORCING DISCONTINUOUS AT JOINT. | TEMPERATURES ARE/WILL BE ABOVE 80°F DURING THE DAY. | |
| ORTS OR WALL BRACES TO WITHSTAND THE ADDITIONAL | 13. FLOOR SLAB-ON-GRADE CONTROL JOINTS SHAI NOTED, CONTROL JOINTS WILL BE SPACED NOT SEALANT AT THE COMPLETION OF THE PROJEC | LL BE PLACED AS SHOWN ON THE FOUNDATION PLAN. UNLESS OTHERWISE T TO EXCEED 12'-0" ON-CENTER IN BOTH DIRECTIONS AND SHALL BE FILLED WITH T. | MASONRY LAID IN OUTSIDE AIR TEMPERATURES BELOW 40°F SHALL BE WITH THE PROVISIONS OF THE "IMIAWC RECOMMENDED PRACTICES AN COLD WEATHER MASONRY". | PROTECTED IN ACCORDANCE D GUIDE SPECIFICATIONS FOR |
| | 14. CONTRACTOR SHALL CHECK WITH EACH TRADE | TO ASSURE CORRECT LOCATION, SIZE, LINE AND ELEVATION OF SLEEVES, BOND- | 15. MASONRY BLOCK CORES BELOW FINISH FLOOR SHALL BE FILLED SOLID D- | WITH CONCRETE. |
| SIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN | | | 16. PROVIDE BOND BEAM WITH (2) #4 REBAR AT ALL TOP OF CMU WALL AND FIELD PENETRATIONS THROUGH BLOCK WALLS SHALL NOT BE MADE TH |) AT EACH FLOOR FRAMING LEVEL. IROUGH BOND BEAMS, LINTELS OR |
| | SEE ARCHITECTURAL AND PLUMBING PLANS TO |) ENSURE COMPLETE AREA DRAINAGE. | | |
| IS: ASTM A992 (ASTM A572 GRADE 50 WITH SPECIAL | 16. WELDING OF REINFORCEMENT IS NOT PERMITT | 'ED. | 17. ALL MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530.1 – LATEST | |
| <i>.</i> (10 | 17. EXPOSED CONCRETE SHALL BE NEATLY FINISH | -RUBBED. | 18. OPENINGS UP TO 14" IN DIAMETER THROUGH MASONRY AND/OR BRICK REINFORCEMENT. | VENEER DO NOT REQUIRE LINTEL |
| THE FABRICATOR. CONNECTION CALCULATIONS, SIGNED AND TATE SHALL BE SUBMITTED WITH THE SHOP DRAWINGS FOR REQUIREMENTS. | 18. MECHANICAL EQUIPMENT RESTING ON THE COI EXTENDING A MINIMUM OF 6-INCHES BEYOND U CENTER EACH WAY. | NCRETE FLOOR SLAB SHALL HAVE A 4-INCH HIGH CONCRETE PAD UNDERNEATH, INIT EDGE (EACH DIRECTION), REINFORCED WITH #3 BARS AT 18-INCHES ON- | UNLESS OTHER WISE NOTED, IN 8-INCH WALLS, PROVIDE VERTICAL RE AT CENTER OF WALL, CONTINUOUS FULL HEIGHT OF WALLS AS FOLLOW A. (1) VERTICAL AT CORNERS, INTERSECTIONS, END WALL JAMBS AND CONTROL JOINTS. | INFORCING IN CENTER OF GROUT, NS: EACH SIDE OF EXPANSION OR |
| ENGTH BOLTS (U.N.O.) EXCEPT WHERE SLIP-CRITICAL | 19. STRUCTURAL STEEL BELOW FINISH FLOOR SHA | ALL RECEIVE (2) COATS OF BITUMINOUS MASTIC. | B. (1) VERTICAL AT 48-INCHES ON CENTER TYPICAL. (UNLESS NOTED OF RECEIVE #5 REINFORCING AT 16" OC SPACING. | N PLAN) ELEVATOR WALLS SHALL |
| | 20. ADMIXTURES CONTAINING CALCIUM CHLORIDE ALUMINUM. | SHALL NOT BE USED. CONCRETE SHALL NOT BE IN DIRECT CONTACT WITH | C. (1) VERTICAL OM EACH CORE WITHIN 12-INCHES OF WALL CORNERS | |
| /ELD (LOW HYDROGEN). | 21. PROVIDE IN SLABS ON GRADE (2) BARS 4'-0" LOP | NG AT EACH REENTRANT CORNER AND BOTH SIDES OF DOOR OPENING. | 20. PROVIDE AND INSTALL MASONRY LINTELS FOR MASONRY WALL OPENIN OTHERWISE ON DRAWINGS. PROVIDE MASONRY LINTELS OF SIZE AND F | GS UNLESS INDICATED REINFORCEMENT AS FOLLOWS: |
| TION, TYP. | 22. REFER TO ACI 318 -LATEST EDITION FOR MINIM | UM CONCRETE COVER FOR REINFORCING STEEL. | A. OPENINGS UP TO 3'-11" (UNLESS NOTED OTHERWISE): PROVIDE 8-ING | CH HIGH C.M.U. LINTEL W/ (2) #4 |
| S UNLESS OTHERWISE NOTED. LEVELING PLATES SHALL BE SET | 23. UNLESS OTHERWISE NOTED, REINFORCING LAF | P SPLICES SHALL BE ACI CLASS B SPLICES USING THE FOLLOWING LAP LENGTHS: | BARS IN 8-INCH WIDE UNITS. B. OPENINGS 4'-0" TO 8'-0" (UNLESS OTHERWISE NOTED): PROVIDE 16-IN BARS IN 8-INCH WIDE UNITS. | JCH HIGH C.M.U. LINTEL W/ (2) #6 |
| WN ON ARCHITECTURAL DRAWINGS FOR SUPPORT OF IEOUS METAL FABRICATOR TO ENSURE COMPLETE COVERAGE | BAR SIZE: 3 4 5 6 7 LAP (IN): 30 36 48 56 81 | 8 93 | { | ······ |
| | 24. COORDINATE SLAB DEPRESSIONS AND ALL INTE PLUMBING DRAWINGS. | ERIOR FLOOR SLOPES TO DRAIN LOCATIONS WITH ARCHITECTURAL AND | | |
| | 25. SLAB THICKNESSES (ELEVATED OR ON-GRADE) TO ACCOUNT FOR STRUCTURE DEFLECTION AN ELEVATIONS AT THE FLATNESS AND LEVELNES | INDICATED ON THE DRAWINGS ARE MINIMUMS. PROVIDE SUFFICIENT CONCRETE ID/OR SUBGRADE FLUCTUATIONS IN ORDER TO OBTAIN SPECIFIED SLAB S INDICATED IN THE SPECIFICATION. | E | |
| | 26. ANCHOR BOLTS SHALL CONFORM TO ASTM F15 | 54, GRADE 36 HOT-DIPPED GALVANIZED UNLESS NOTED OTHERWISE ON PLAN. | | |
| | 27. DRILLED-IN ANCHOR BOLTS OR REBAR DOWELS A. LOCATE ANCHOR BOLTS OR DOWELS TO | S SHALL BE INSTALLED AS FOLLOWS: D AVOID CUTTING EXISTING REBAR. | | |

DEPTH IS BASED ON A CLEAN HOLE WITH ROUGH SIDES. ROTARY PERCUSSION EQUIPMENT AND COURSE ROCK CUTTING CHISELS ARE RECOMMENDED. DIAMOND CORE BITS SHOULD BE AVOIDED AS EMBEDMENT LENGTHS MAY NEED TO BE

CLEAN HOLES WITH COMPRESSED AIR OR VACUUM, REMOVE ANY FREE-STANDING WATER AND ALLOW HOLE TO DRY. GROUT ANCHOR BOLTS OR DOWELS WITH HILTI HIT HY-200 ADHESIVE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. (HILTI HVA ADHESIVE CAPSULE MAY BE SUBSTITUTED FOR THE HILTI HIT HY-200 ADHESIVE.)

INCREASED. HOLE SIZE TO BE PER MANUFACTURER'S RECOMMENDATIONS.

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NRY NOTES:









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PLAN NORTH



1. THIS FRAMING PLAN VIEWS ON THIS SHEET DEPICT THE LEVEL THE FRAMING IS SUPPORTING WHILE THE WALLS SHOWN ARE BELOW THE NOTED FRAMING LEVEL

FLOOR FRAMING LEGEND:

| | INDICATES EXISTING ASSUMED CMU BEARING WALL |
|-------------|---|
| | INDICATES EXISTING ASSUMED CMU NON-BEARING WALL |
| | INDICATES CMU WALL INFILL REFER TO DETAIL E3/ S500 |
| | □ INDICATES CFM WALL INFILL - REFER TO ARCH DRAWINGS |
| | □ INDICATES AREA OF DEMO WORK - SEE DEMO LEGEND FOR TYPE |
| | |
| | |
| <u>FL00</u> | R DEMO FRAMING PLAN KEYED NOTES LEGEND: |
| 1 | REMOVE EXISTING FLOOR SLAB/DECK AS REQUIRED FOR REQUIRED CHASE OPENING GC NOTE WELL: DO NOT CUT BEYOND JOIST CREATING A CANTILEVER OF DECK MORE THAN 6", NOTIFY SER IF THIS CANNOT BE ACHIEVED |

2 REMOVE EXISTING CMU WALL AS REQUIRED / NOTED. GC SHALL PROVIDE SHORING (DELEGATED DESIGN) WHERE REQUIRED TO FACILITATE PROPOSED WALL REMOVAL - PROVIDE SHOP REVIEW (INCLUDING CALCULATIONS)TO SER PRIOR TO WORK. REFER TO E3/S500 FOR EXTENT OF REMOVAL REQUIREMENTS

FLOOR FRAMING PLAN KEYED NOTES LEGEND:

- (W1) NON-BEARING WALL INFILL REFER TO DETAIL E3/ S500
- W2 BEARING WALL INFILL REFER TO DETAIL E3/ S500
- W3 NON-BEARING CFM WALL INFILL REFER TO ARCH DRAWINGS





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| AMING PLAN NOTES: | | | | |

THIS FRAMING PLAN VIEWS ON THIS SHEET DEPICT THE LEVEL THE FRAMING IS SUPPORTING WHILE THE WALLS SHOWN ARE BELOW THE NOTED FRAMING LEVEL

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FLOOR FRAMING LEGEND:

| | NDICATES EXISTING ASSUMED CMU BEARING WALL |
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| IN | NDICATES EXISTING ASSUMED CMU NON-BEARING WALL |
| | NDICATES CMU WALL INFILL REFER TO DETAIL E3/ S500 |
| | NDICATES CFM WALL INFILL - REFER TO ARCH DRAWINGS |
| | NDICATES AREA OF DEMO WORK - SEE DEMO LEGEND FOR TYPE |
| | |

FLOOR DEMO FRAMING PLAN KEYED NOTES LEGEND:

- 1 REMOVE EXISTING FLOOR SLAB/DECK AS REQUIRED FOR REQUIRED CHASE OPENING GC NOTE WELL: DO NOT CUT BEYOND JOIST CREATING A CANTILEVER OF DECK MORE THAN 6", NOTIFY SER IF THIS CANNOT BE ACHIEVED
- 2 REMOVE EXISTING CMU WALL AS REQUIRED / NOTED. GC SHALL PROVIDE SHORING (DELEGATED DESIGN) WHERE REQUIRED TO FACILITATE PROPOSED WALL REMOVAL - PROVIDE SHOP REVIEW (INCLUDING CALCULATIONS)TO SER PRIOR TO WORK. REFER TO E3/S500 FOR EXTENT OF REMOVAL REQUIREMENTS

FLOOR FRAMING PLAN KEYED NOTES LEGEND:

- FLOOR OPENING AT CHASE REFER TO DEMO PLAN
- W1 NON-BEARING WALL INFILL REFER TO DETAIL E3/ S500
- W2 BEARING WALL INFILL REFER TO DETAIL E3/ S500
- $\langle W3 \rangle$ NON-BEARING CFM WALL INFILL REFER TO ARCH DRAWINGS

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| | THIS FRAMING PLAN VIEWS ON THIS SHEET DEPICT THE LEVE |
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| • | THE FRAMING IS SUPPORTING WHILE THE WALLS SHOWN AR |
| | BELOW THE NOTED FRAMING I EVEL |
| | BELOW THE NUTED FRAMING LEVEL |

FLOOR FRAMING LEGEND:

| | INDICATES EXISTING ASSUMED CMU BEARING WALL |
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| | INDICATES EXISTING ASSUMED CMU NON-BEARING WALL |
| | INDICATES CMU WALL INFILL REFER TO DETAIL E3/ S500 |
| | INDICATES CFM WALL INFILL - REFER TO ARCH DRAWINGS |
| C2223 | INDICATES AREA OF DEMO WORK - SEE DEMO LEGEND FOR TYPE |
| | |

FLOOR DEMO FRAMING PLAN KEYED NOTES LEGEND:

- 1 REMOVE EXISTING FLOOR SLAB/DECK AS REQUIRED FOR REQUIRED CHASE OPENING GC NOTE WELL: DO NOT CUT BEYOND JOIST CREATING A CANTILEVER OF DECK MORE THAN 6", NOTIFY SER IF THIS CANNOT BE ACHIEVED
- 2 REMOVE EXISTING CMU WALL AS REQUIRED / NOTED. GC SHALL PROVIDE SHORING (DELEGATED DESIGN) WHERE REQUIRED TO FACILITATE PROPOSED WALL REMOVAL - PROVIDE SHOP REVIEW (INCLUDING CALCULATIONS)TO SER PRIOR TO WORK. REFER TO E3/S500 FOR EXTENT OF REMOVAL REQUIREMENTS

FLOOR FRAMING PLAN KEYED NOTES LEGEND:

- FLOOR OPENING AT CHASE REFER TO DEMO PLAN
- (W1) NON-BEARING WALL INFILL REFER TO DETAIL E3/ S500
- (W2) BEARING WALL INFILL REFER TO DETAIL E3/ S500
- $\langle W3 \rangle$ NON-BEARING CFM WALL INFILL REFER TO ARCH DRAWINGS











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FRAMING PLAN NOTES:

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| THIS FRAMING PLAN VIEWS ON THIS SHEET DEPICT THE LEVEL |
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| THE FRAMING IS SUPPORTING WHILE THE WALLS SHOWN ARE |
| BELOW THE NOTED FRAMING LEVEL |

FLOOR FRAMING LEGEND:

| | INDICATES EXISTING ASSUMED CMU BEARING WALL |
|-------|--|
| | INDICATES EXISTING ASSUMED CMU NON-BEARING WALL |
| | INDICATES CMU WALL INFILL REFER TO DETAIL E3/ S500 |
| | INDICATES CFM WALL INFILL - REFER TO ARCH DRAWINGS |
| C2223 | INDICATES AREA OF DEMO WORK - SEE DEMO LEGEND FOR TYPE |

FLOOR DEMO FRAMING PLAN KEYED NOTES LEGEND:

- 1 REMOVE EXISTING FLOOR SLAB/DECK AS REQUIRED FOR REQUIRED CHASE OPENING GC NOTE WELL: DO NOT CUT BEYOND JOIST CREATING A CANTILEVER OF DECK MORE THAN 6", NOTIFY SER IF THIS CANNOT BE ACHIEVED
- 2 REMOVE EXISTING CMU WALL AS REQUIRED / NOTED. GC SHALL PROVIDE SHORING (DELEGATED DESIGN) WHERE REQUIRED TO FACILITATE PROPOSED WALL REMOVAL - PROVIDE SHOP REVIEW (INCLUDING CALCULATIONS)TO SER PRIOR TO WORK. REFER TO E3/S500 FOR EXTENT OF REMOVAL REQUIREMENTS

FLOOR FRAMING PLAN KEYED NOTES LEGEND:

- (F1) FLOOR OPENING AT CHASE REFER TO DEMO PLAN
- (W1) NON-BEARING WALL INFILL REFER TO DETAIL E3/ S500
- (W2) BEARING WALL INFILL REFER TO DETAIL E3/ S500
- $\langle W3 \rangle$ NON-BEARING CFM WALL INFILL REFER TO ARCH DRAWINGS

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ASSUMED STEEL ROOF JOISTS

ASSUMED STEEL ROOF JOISTS

| | INDICATES EXISTING ASSUMED CMU BEARING WALL |
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| | INDICATES EXISTING ASSUMED CMU NON-BEARING WAL |
| <u>XX</u> | INDICATES CMU WALL INFILL REFER TO DETAIL E3/ S500 |
| | INDICATES CFM WALL INFILL - REFER TO ARCH DRAWING |
| C===3 | INDICATES AREA OF DEMO WORK - SEE DEMO LEGEND |
| | |

ROOF DEMO FRAMING PLAN KEYED NOTES LEGEND:

| $\langle R1 \rangle$ | PROVIDE OPENING DECK FOR MECH - COORDINATE LOCATIO w/MECH DRAWINGS |
|----------------------|---|
| $\langle R2 \rangle$ | PROVIDE DECK INFILL PER DETAIL A3/ S500 |
| $\langle R3 \rangle$ | PROVIDE FRAMED OPENING PER DETAIL B3/ S500 |
| $\langle R4 \rangle$ | REINFORCE EXISTING JOISTS PER DETAIL B1/ S500 |
| $\left< R5 \right>$ | PROVIDE FRAME OUT FOR ROOF ACCESS HATCH OPENING F A5/ S500 |
| $\langle W1 \rangle$ | NON-BEARING WALL INFILL - REFER TO DETAIL E3/ S500 |
| W2 | BEARING WALL INFILL - REFER TO DETAIL E3/ S500 |
| $\langle W3 \rangle$ | NON-BEARING CFM WALL INFILL - REFER TO ARCH DRAWING |













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ROOF FRAMING PLAN NOTES:

1. THIS FRAMING PLAN VIEWS ON THIS SHEET DEPICT THE ROOF FRAMING LEVEL WHILE THE WALLS SHOWN ARE BELOW THE ROOF FRAMING LEVEL

ROOF LEGEND:

| | INDICATES EXISTING ASSUMED CMU BEARING WALL |
|-----------|--|
| | INDICATES EXISTING ASSUMED CMU NON-BEARING WALL |
| <u>XX</u> | INDICATES CMU WALL INFILL REFER TO DETAIL E3/ \$500 |
| | INDICATES CFM WALL INFILL - REFER TO ARCH DRAWINGS |
| | INDICATES AREA OF DEMO WORK - SEE DEMO LEGEND FOR TY |
| | |

ROOF DEMO FRAMING PLAN KEYED NOTES LEGEND:

| 1 | REMOVE EXISTING ROOF DECK AS REQUIRED TO FACILITATE |
|---|---|
| | PROPOSED WORK FOR PROPOSED DUCTWORK |

- 2 REMOVE EXISTING CMU WALL AS REQUIRED / NOTED. GC SHALL PROVIDE SHORING (DELEGATED DESIGN) WHERE REQUIRED TO FACILITATE PROPOSED WALL REMOVAL - PROVIDE SHOP REVIEW (INCLUDING CALCULATIONS)TO SER PRIOR TO WORK. REFER TO E3/S500 FOR EXTENT OF REMOVAL REQUIREMENTS
- 3 REMOVE EXISTING ROOF DECK AS REQUIRED FOR REQUIRED ROUGH OPENING OF ROOF ACCESS HATCH

ROOF FRAMING PLAN KEYED NOTES LEGEND:

- R1 PROVIDE OPENING DECK FOR MECH COORDINATE LOCATIONS AND SIZES w/MECH DRAWINGS
- R2 PROVIDE DECK INFILL PER DETAIL A3/ S500
- (R3) PROVIDE FRAMED OPENING PER DETAIL B3/ S500
- R4 REINFORCE EXISTING JOISTS PER DETAIL B1/ S500
- R5 PROVIDE FRAME OUT FOR ROOF ACCESS HATCH OPENING PER DETAIL A5/ S500
- W1 NON-BEARING WALL INFILL REFER TO DETAIL E3/ S500
- W2 BEARING WALL INFILL REFER TO DETAIL E3/ S500
- W3 NON-BEARING CFM WALL INFILL REFER TO ARCH DRAWINGS









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FLOOR DEMO FRAMING PLAN KEYED NOTES LEGEND:

- 1 REMOVE (3) EXISTING OPEN-WEB STEEL JOISTS AND CONCRETE SLAB ON METAL DECK. SHORE ADJACENT EXISTING CONCRETE SLAB ON METAL DECK AND CMU PARTITION WALL ABOVE AS REQUIRED PRIOR TO JOIST REMOVAL.
- 2 ALLOWANCE FOR STRUCTURAL SLAB AND FLOOR FRAMING REPAIR/REPLACEMENT PENDING INSPECTION OF AREA BELOW (E) WALK-OFF MATS. FOR BIDDING PURPOSES, ASSUME REPLACEMENT OF 200 SQ. FT. OF SLAB ON DECK, (8) OWSJ AND (1) WF STEEL BEAM.

FLOOR FRAMING PLAN KEYED NOTES LEGEND:

- 1 REPLACE (E) CORRODED 12J3 JOISTS W/ NEW 12K3 JOISTS AT SAME LOCATIONS. INFILL SLAB W/ NEW METAL FORM DECK TO MATCH EXISTING DECK PROFILE.
- 2 ALLOWANCE FOR STRUCTURAL SLAB AND FLOOR FRAMING REPAIR/REPLACEMENT PENDING INSPECTION OF AREA BELOW (E) WALK-OFF MATS.
- $\langle 3 \rangle$ FOUNDATION WALL SURFACE REPAIR REQUIRED PER DIV.3 SPECIFICATIONS

HATCHED AREA INDICATES

EXISTING STEEL AND SLAB-ON-

DECK AT HIGHER ELEVATION +/-

2'-4" HIGHER THAN MAIN FIRST

FLOOR ELEVATION

PLAN NORTH









FRAMING PLAN NOTES:

1. THIS FRAMING PLAN VIEWS ON THIS SHEET DEPICT THE LEVEL THE FRAMING IS SUPPORTING WHILE THE WALLS SHOWN ARE BELOW THE NOTED FRAMING LEVEL

FLOOR FRAMING LEGEND:

| | INDICATES EXISTING ASSUMED CMU BEARING WALL |
|-------|--|
| | INDICATES EXISTING ASSUMED CMU NON-BEARING WALL |
| | INDICATES CMU WALL INFILL REFER TO DETAIL E3/ S500 |
| | INDICATES CFM WALL INFILL - REFER TO ARCH DRAWINGS |
| C===3 | INDICATES AREA OF DEMO WORK - SEE DEMO LEGEND FOR TY |

FLOOR DEMO FRAMING PLAN KEYED NOTES LEGEND:

- 1 REMOVE EXISTING FLOOR SLAB/DECK AS REQUIRED FOR REQUIRED CHASE OPENING GC NOTE WELL: DO NOT CUT BEYOND JOIST CREATING A CANTILEVER OF DECK MORE THAN 6", NOTIFY SER IF THIS CANNOT BE ACHIEVED
- REMOVE EXISTING CMU WALL AS REQUIRED / NOTED. GC SHALL PROVIDE SHORING (DELEGATED DESIGN) WHERE REQUIRED TO FACILITATE PROPOSED WALL REMOVAL - PROVIDE SHOP REVIEW (INCLUDING CALCULATIONS)TO SER PRIOR TO WORK. REFER TO E3/S500 FOR EXTENT OF REMOVAL REQUIREMENTS

FLOOR FRAMING PLAN KEYED NOTES LEGEND:

- FLOOR OPENING AT CHASE REFER TO DEMO PLAN
- (W1) NON-BEARING WALL INFILL REFER TO DETAIL E3/ S500
- (W2) BEARING WALL INFILL REFER TO DETAIL E3/ S500
- (W3) NON-BEARING CFM WALL INFILL REFER TO ARCH DRAWINGS









A3

PHASE 3 THIRD FLOOR STRUCTURAL FRAMING PLAN

1/8" = 1'-0"



FRAMING PLAN NOTES:

1. THIS FRAMING PLAN VIEWS ON THIS SHEET DEPICT THE LEVEL THE FRAMING IS SUPPORTING WHILE THE WALLS SHOWN ARE BELOW THE NOTED FRAMING LEVEL



| INDICATES EXISTING ASSUMED CMU BEARING WAL |
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| INDICATES EXISTING ASSUMED CMU NON-BEARING |
| INDICATES CMU WALL INFILL REFER TO DETAIL E3 |
| INDICATES CFM WALL INFILL - REFER TO ARCH DRA |
| INDICATES AREA OF DEMO WORK - SEE DEMO LEG |

FLOOR DEMO FRAMING PLAN KEYED NOTES LEGEND:

- 1 REMOVE EXISTING FLOOR SLAB/DECK AS REQUIRED FOR REQUIRED CHASE OPENING GC NOTE WELL: DO NOT CUT BEYOND JOIST CREATING A CANTILEVER OF DECK MORE THAN 6", NOTIFY SER IF THIS CANNOT BE ACHIEVED
- 2 REMOVE EXISTING CMU WALL AS REQUIRED / NOTED. GC SHALL PROVIDE SHORING (DELEGATED DESIGN) WHERE REQUIRED TO FACILITATE PROPOSED WALL REMOVAL - PROVIDE SHOP REVIEW (INCLUDING CALCULATIONS)TO SER PRIOR TO WORK. REFER TO E3/S500 FOR EXTENT OF REMOVAL REQUIREMENTS

FLOOR FRAMING PLAN KEYED NOTES LEGEND:

- W1 NON-BEARING WALL INFILL REFER TO DETAIL E3/ S500
- W2 BEARING WALL INFILL REFER TO DETAIL E3/ S500
- $\langle W3 \rangle$ NON-BEARING CFM WALL INFILL REFER TO ARCH DRAWINGS









1. THIS FRAMING PLAN VIEWS ON THIS SHEET DEPICT THE LEVEL THE FRAMING IS SUPPORTING WHILE THE WALLS SHOWN ARE BELOW THE NOTED FRAMING LEVEL

FRAMING PLAN NOTES:

| | INDICATES EXISTING ASSUMED CMU BEARING WALL |
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| | INDICATES EXISTING ASSUMED CMU NON-BEARING WALL |
| | INDICATES CMU WALL INFILL REFER TO DETAIL E3/ S500 |
| | INDICATES CFM WALL INFILL - REFER TO ARCH DRAWINGS |
| C2220 | INDICATES AREA OF DEMO WORK - SEE DEMO LEGEND FOR TYPE |

FLOOR DEMO FRAMING PLAN KEYED NOTES LEGEND:

| 1 | REMOVE EXISTING FLOOR SLAB/DECK AS REQUIRED FOR REQUIRED CHASE OPENING GC NOTE WELL: DO NOT CUT BEYOND JOIST CREATING A CANTILEVER OF DECK MORE T 6", NOTIFY SER IF THIS CANNOT BE ACHIEVED |
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| 2 | REMOVE EXISTING CMU WALL AS REQUIRED / NOTED. GC S PROVIDE SHORING (DELEGATED DESIGN) WHERE REQUIRE FACILITATE PROPOSED WALL REMOVAL - PROVIDE SHOP F (INCLUDING CALCULATIONS)TO SER PRIOR TO WORK. REF E3/S500 FOR EXTENT OF REMOVAL REQUIREMENTS |

FLOOR FRAMING PLAN KEYED NOTES LEGEND:

| $\left< F1 \right>$ | FLOOR OPENING AT CHASE - REFER TO DEMO PLAN |
|---------------------|---|
| | |

- W1 NON-BEARING WALL INFILL REFER TO DETAIL E3/ S500
- W2 BEARING WALL INFILL REFER TO DETAIL E3/ S500
- W3 NON-BEARING CFM WALL INFILL REFER TO ARCH DRAWINGS

_____ E) 12" JOISTS _____ (E)6B8.5 **W**3 (*E*)6*B*8.5

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 _____ (E) 12" JOISTS _____ | | | | | | | (E) 12" JOISTS | | | | | | W2 (E) 12" JOISTS | | | | | | (E) 10" JOISTS A6/ S104.4

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PLAN NORTH





ROOF FRAMING PLAN NOTES:

1. THIS FRAMING PLAN VIEWS ON THIS SHEET DEPICT THE ROOF FRAMING LEVEL WHILE THE WALLS SHOWN ARE BELOW THE ROOF FRAMING LEVEL

ROOF LEGEND:

| | INDICATES EXISTING ASSUMED CMU BEARING WA |
|-------|--|
| | INDICATES EXISTING ASSUMED CMU NON-BEARIN |
| XXX | INDICATES CMU WALL INFILL REFER TO DETAIL E |
| | INDICATES CFM WALL INFILL - REFER TO ARCH DF |
| C==== | INDICATES AREA OF DEMO WORK - SEE DEMO LE |
| | |

ROOF DEMO FRAMING PLAN KEYED NOTES LEGEND:

- 1 REMOVE EXISTING ROOF DECK AS REQUIRED TO FACILITATE PROPOSED WORK FOR PROPOSED DUCTWORK
- 2 REMOVE EXISTING CMU WALL AS REQUIRED / NOTED. GC SHALL PROVIDE SHORING (DELEGATED DESIGN) WHERE REQUIRED TO FACILITATE PROPOSED WALL REMOVAL - PROVIDE SHOP REVIEW (INCLUDING CALCULATIONS)TO SER PRIOR TO WORK. REFER TO E3/S500 FOR EXTENT OF REMOVAL REQUIREMENTS
- 3 REMOVE EXISTING ROOF DECK AS REQUIRED FOR REQUIRED ROUGH OPENING OF ROOF ACCESS HATCH

ROOF FRAMING PLAN KEYED NOTES LEGEND:

| $\langle R1 \rangle$ | PROVIDE OPENING DECK FOR MECH - COORDINATE LOCATIONS AND SIZES w/MECH DRAWINGS |
|----------------------|--|
| $\langle R2 \rangle$ | PROVIDE DECK INFILL PER DETAIL A3/ S500 |
| $\langle R3 \rangle$ | PROVIDE FRAMED OPENING PER DETAIL B3/ S500 |
| $\langle R4 \rangle$ | REINFORCE EXISTING JOISTS PER DETAIL B1/ S500 |
| $\left< R5 \right>$ | PROVIDE FRAME OUT FOR ROOF ACCESS HATCH OPENING PER DETAIL A5/ S500 |
| $\langle W1 \rangle$ | NON-BEARING WALL INFILL - REFER TO DETAIL E3/ S500 |
| W2 | BEARING WALL INFILL - REFER TO DETAIL E3/ S500 |
| W 3 | NON-BEARING CFM WALL INFILL - REFER TO ARCH DRAWINGS |















1. THIS FRAMING PLAN VIEWS ON THIS SHEET DEPICT THE LEVEL THE FRAMING IS SUPPORTING WHILE THE WALLS SHOWN ARE BELOW THE NOTED FRAMING LEVEL

FLOOR FRAMING LEGEND

| INDICATES EXISTING ASSUMED CMU BEARING WALL |
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| INDICATES EXISTING ASSUMED CMU NON-BEARING WALL |
| INDICATES CMU WALL INFILL REFER TO DETAIL E3/ S500 |
| INDICATES CFM WALL INFILL - REFER TO ARCH DRAWINGS |

INDICATES AREA OF DEMO WORK - SEE DEMO LEGEND FOR TYPE

FLOOR DEMO FRAMING PLAN KEYED NOTES LEGEND:

- 1 REMOVE EXISTING FLOOR SLAB/DECK AS REQUIRED FOR REQUIRED CHASE OPENING GC NOTE WELL: DO NOT CUT BEYOND JOIST CREATING A CANTILEVER OF DECK MORE THAN 6", NOTIFY SER IF THIS CANNOT BE ACHIEVED
- 2 REMOVE EXISTING CMU WALL AS REQUIRED / NOTED. GC SHALL PROVIDE SHORING (DELEGATED DESIGN) WHERE REQUIRED TO FACILITATE PROPOSED WALL REMOVAL - PROVIDE SHOP REVIEW (INCLUDING CALCULATIONS)TO SER PRIOR TO WORK. REFER TO E3/S500 FOR EXTENT OF REMOVAL REQUIREMENTS

FLOOR FRAMING PLAN KEYED NOTES LEGEND:

- FLOOR OPENING AT CHASE REFER TO DEMO PLAN
 A
- (W1) NON-BEARING WALL INFILL REFER TO DETAIL E3/ S500
- (W2) BEARING WALL INFILL REFER TO DETAIL E3/ S500
- $\langle W3 \rangle$ NON-BEARING CFM WALL INFILL REFER TO ARCH DRAWINGS











| | FRAMING PLAN NOTES: 1. THIS FRAMING PLAN VIEWS ON THIS SHEET DEPICT THE LEVEL THE FRAMING IS SUPPORTING WHILE THE WALLS SHOWN ARE BELOW THE NOTED FRAMING LEVEL FLOOR FRAMING LEGEND: INDICATES EXISTING ASSUMED CMU BEARING WALL INDICATES EXISTING ASSUMED CMU NON-BEARING WALL INDICATES CMU WALL INFILL REFER TO DETAIL E3/ S500 INDICATES CFM WALL INFILL - REFER TO ARCH DRAWINGS INDICATES AREA OF DEMO WORK - SEE DEMO LEGEND FOR TYPE |
|-------------|---|
| A6/ \$103.4 | FLOOR DEMO FRAMING PLAN KEYED NOTES LEGEND: REMOVE EXISTING FLOOR SLAB/DECK AS REQUIRED FOR REQUIRED CHASE OPENING GC NOTE WELL: DO NOT CUT BEYOND JOIST CREATING A CANTILEVER OF DECK MORE THAN 6", NOTIFY SER IF THIS CANNOT BE ACHIEVED REMOVE EXISTING CMU WALL AS REQUIRED / NOTED. GC SHALL PROVIDE SHORING (DELEGATED DESIGN) WHERE REQUIRED TO FACILITATE PROPOSED WALL REMOVAL - PROVIDE SHOP REVIEW (INCLUDING CALCULATIONS)TO SER PRIOR TO WORK. REFER TO E3/S500 FOR EXTENT OF REMOVAL REQUIREMENTS |
| | FLOOR FRAMING PLAN KEYED NOTES LEGEND:Image: F1 ploor opening at chase - Refer to Demo PlanImage: W1 ploor opening wall infill - Refer to Detail E3/ S500Image: W2 ploor opening wall infill - Refer to Detail E3/ S500Image: W3 ploor opening cfm wall infill - Refer to Arch Drawings |
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ROOF FRAMING PLAN NOTES:

1. THIS FRAMING PLAN VIEWS ON THIS SHEET DEPICT THE ROOF FRAMING LEVEL WHILE THE WALLS SHOWN ARE BELOW THE ROOF FRAMING LEVEL

ROOF LEGEND:

2

| | INDICATES EXISTING ASSUMED CMU BEARING WALL |
|-------|--|
| | INDICATES EXISTING ASSUMED CMU NON-BEARING WALL |
| | INDICATES CMU WALL INFILL REFER TO DETAIL E3/ S500 |
| | INDICATES CFM WALL INFILL - REFER TO ARCH DRAWINGS |
| C2223 | INDICATES AREA OF DEMO WORK - SEE DEMO LEGEND FOR TYPE |

ROOF DEMO FRAMING PLAN KEYED NOTES LEGEND:

- 1 REMOVE EXISTING ROOF DECK AS REQUIRED TO FACILITATE PROPOSED WORK FOR PROPOSED DUCTWORK
- 2 REMOVE EXISTING CMU WALL AS REQUIRED / NOTED. GC SHALL PROVIDE SHORING (DELEGATED DESIGN) WHERE REQUIRED TO FACILITATE PROPOSED WALL REMOVAL - PROVIDE SHOP REVIEW (INCLUDING CALCULATIONS)TO SER PRIOR TO WORK. REFER TO E3/S500 FOR EXTENT OF REMOVAL REQUIREMENTS
- 3 REMOVE EXISTING ROOF DECK AS REQUIRED FOR REQUIRED ROUGH OPENING OF ROOF ACCESS HATCH
- 4 REMOVE EXISTRING ELEVATOR WALLS AND ROOF CAP TO BELOW MAIN ROOF DECKING

ROOF FRAMING PLAN KEYED NOTES LEGEND:

- R1 PROVIDE OPENING DECK FOR MECH COORDINATE LOCATIONS AND SIZES w/MECH DRAWINGS
- R2 PROVIDE DECK INFILL PER DETAIL A3/ S500
- (R3) PROVIDE FRAMED OPENING PER DETAIL B3/ S500
- REINFORCE EXISTING JOISTS PER DETAIL
 B1/ S500
- R5PROVIDE FRAME OUT FOR ROOF ACCESS HATCH OPENING PER DETAIL
A5/ S500
- W1 NON-BEARING WALL INFILL REFER TO DETAIL E3/ S500
- W2 BEARING WALL INFILL REFER TO DETAIL E3/ S500
- W3 NON-BEARING CFM WALL INFILL REFER TO ARCH DRAWINGS















MEP General Phasing Requirements and Milestone

Phasing Document Development Notes:

- . Listed below is an outline/schematic version of an expected work/phasing plan. The general contractor will assemble a detailed work/phasing plan (with input from the respective system sub-contractors) for review and comment by the owner and the engineer of record prior to initiating any procurement/demolition/construction effort. The general contractor will set up a work/phasing plan meeting to acquire input from the owner and the design team. The work/phasing plan will include as a minimum each of the steps listed below, however, will elaborate with more detail, steps and information. Include in the workplan each step beginning with investigation work and following through to close-out; step ID and description, approximate duration, if shut-down required, quantity of staff utilized, tools and equipment required for step, systems/areas/loads at risk, contingency plans, start/stop date (and time of day, if necessary) for each step.
- . The contractor shall plan phasing of work tasks required for scope in an active phase in a manner that does not require related scope to be performed in or through a turned-over or completed phase. If work is required within a completed phase, that work shall be thoroughly coordinated with the Owner, preference being that the work in a completed phase should be performed during summer months only, when the building is less occupied.

West Phase (Phase one)

- 1. Initiate re-tubing of one steam boiler end of April 2024. Maintain other two steam boilers and associated systems related to the two out-buildings that they serve. Maintain steam/condensate to bookstore unit.
- 2. Demo steam-to-water heat exchangers for building heat, semi-instantaneous water heaters, hot water heating pumps starting end of May 2024 3. Demo horizontal heating HWS/HWR mains, DHW/DCW/DHWR mains, above floor sanitary waste mains,
- storm water mains, and vent piping throughout the West Phase area, starting in the boiler room starting in May 2024 4. Demo all HWS/HWR/DCW/DHW/DHWR/Sanitary/Vent/Storm piping within the West Phase area from Ground Floor up to the fourth floor starting in May 2024
- 5. Install new hot water pumps, steam-to-water heat exchangers, glycol loop equipment, domestic water heaters, etc. and make operational by August 2024. 6. Install new horizontal HWS/HWR, GWS/R, DCW, DHW, DHWR mains from the boiler room through the
- Phase 1 areas. Valve and cap the mains at the Phase 2 & 4 boundaries for future connection to new piping in those phases. Provide temporary connection to existing Phase 2 and Phase 4 piping mains to facilitate temporary service for those phases from the new mains. Install vertical stubs with valves for upper floor piping mains in the Phase 1 area. New horizontal piping mains charged and operational for August 2024. Replace all HWS/HWR/DHW/DCW/DHWR/Sanitary/Storm/Vent piping throughout the Phase 1 areas to be completed by January 2025.
- Remove Phase 1 rooftop exhaust fans serving bathrooms throughout that phase area. . Remove steam air handler in the Phase 1 basement and cap steam/condensate piping at mains. 10. Install new DOAS/ERV units and associated ductwork to serve the Phase 1 areas (electrical power from new
- panels, temporarily fed from existing electrical infrastructure). 11. Install new dryer vent exhaust fan for the Phase 1 areas.
- 12. Install new VRF heat pumps throughout the Phase 1 areas (electrical power from new panels, temporarily fed from existing electrical infrastructure). 13. Test, adjust, balance, commission all new M+P systems within the Phase 1 areas for January 2025.
- 14. Install new interior lighting and controls (base and alternates as selected at contract) 15. Install new exit signs and emergency egress lighting systems
- 16. Install new exterior entry/egress (if alternate was selected at contract)
- 17. Replace existing legacy panelboards that have been scheduled for replacement 18. Install new 400 Amp HVAC distribution panel (at 4th floor) and temporarily connect it to the existing power distribution equipment in existing main electrical room. Provide splice box in existing main electrical room
- that will facilitate the permanent feed for this panel to the new switchgear under the next phase. 19. Wire new rooftop HVAC equipment to new 400 Amp panel; wire other HVAC loads to existing and replaced power distribution equipment.
- 20. Install new fire alarm devices (including NAC panels, batteries and power supplies needed to support new devices)

21. Route the conduits needed for 400 Amp HVAC panels scheduled to be installed in phase two, three and four through the work zone of this phase. Extend respective conduits and install related feeders under the associated phase.

<u>North Phase (Phase two)</u>

1. Demo horizontal heating HWS/HWR mains, DHW/DCW/DHWR mains, above floor sanitary waste mains, storm water mains, and vent piping throughout the Phase 2 areas, starting in January 2025 2. Demo all HWS/HWR/DCW/DHW/DHWR/Sanitary/Vent/Storm piping within the North phase area from ground floor up to the fourth floor starting in January 2025

- Install new horizontal HWS/HWR, GWS/R, DCW, DHW, DHWR mains from the Phase 1 mains through Phase 2 areas to the Phase 3 boundary and provide temporary tie in to the existing mains in the Phase 3 area, with valves for isolation. This occurs primarily at the first-floor area with the exception of DHW which also serves the Phase 3 areas via horizontal piping through the Phase 2 area. Valve and cap the mains at the Phase 3 boundaries for future connection to new piping in that phase. Install vertical stubs with valves for upper floor piping mains in the Phase 2 area. The existing pipe mains serving the Phase 3 area shall remain operational at all times. As such the existing horizontal mains serving Phase 3 from the Phase 2 area shall remain operational until such time as the new tie ins from the new mains are installed and charged, to minimize interruption for Phase 3.
- 4. Replace all HWS/HWR/DHW/DCW/DHWR/Sanitary/Storm/Vent piping throughout the Phase 2 areas to be completed by August 2025. Remove Phase 3 rooftop exhaust fans serving bathrooms throughout that phase area.
- 6. Install new DOAS/ERV units and associated ductwork to serve the Phase 2 area (electrical power from new panels and new infrastructure). Install new dryer vent exhaust fan for the Phase 2 areas.
- 8. Install new VRF heat pumps throughout the Phase 2 areas (electrical power from new panels and new infrastructure).
- 9. Install new generator, ATS, triple switch, transformer and make operational by August 2025. 10. Re-feed west phase electrical distribution panels/panelboards from new switchgear and power distribution
- infrastructure Summer 2025 11. Test, adjust, balance, commission all new MEP systems within the north phase and new electrical infra-
- structure for August 2025. Adjust heating hot water pump pressure setpoints as required. 12. Install new interior lighting and controls (base and alternates as selected at contract)
- 13. Install new exit signs and emergency egress lighting systems
- 14. Install new exterior entry/egress and parking area lighting (if alternate was selected at contract) 15. Replace existing legacy panelboards that have been scheduled for replacement
- 16. Install new 400 Amp HVAC distribution panel (at 4th floor) 17. Wire new rooftop HVAC equipment to new 400 Amp panel; wire other HVAC loads to existing and replaced
- power distribution equipment
- 18. Install new fire alarm devices (including NAC panels, batteries and power supplies needed to support new devices)
- 19. Route the conduits needed for 400 Amp HVAC panels scheduled to be installed in phase three through the work zone of this phase. Extend respective conduit and install related feeder under the associated phase.

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| 8. | Install new V | | | | |
| | infrastructure | | | | |
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| | heating hot v | | | | |
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| | Install new V | | | | |
| | Install new V infrastructure | | | | |

devices)

East Phase (Phase three)

| 46 | M-E-P PHASING NOTES |
|----|---------------------|

1. Demo horizontal heating HWS/HWR mains, DHW/DCW/DHWR mains, above floor sanitary waste mains, storm water mains, and vent piping throughout the Phase 3 area, starting in May 2025 2. Demo all HWS/HWR/DCW/DHW/DHWR/Sanitary/Vent/Storm piping within the Phase 3 area from ground floor up to the fourth floor starting in May 2025 3. Install new horizontal HWS/HWR, GWS/R, DCW, DHW, DHWR mains from the horizontal Phase 2 mains (first and third floors) through the Phase 3 area to the Phase 4 boundary. Install vertical stubs with valves for upper floor piping mains in the Phase 3 area. 4. Replace all HWS/HWR/DHW/DCW/DHWR/Sanitary/Storm/Vent piping throughout the Phase 3 areas to be

completed by August 2025. 5. Remove Phase 3 rooftop exhaust fans serving bathrooms throughout that phase area. 6. Install new DOAS/ERV units and associated ductwork to serve the Phase 3 area (electrical power from new new infrastructure). lrver vent exhaust fan for the Phase 3 area.

> /RF heat pumps throughout the East Phase area (electrical power from new panels and new EP installations throughout the renovated Quarter Deck area.

, balance, commission all new MEP systems within the east phase for January 2026. Adjust water pump pressure setpoints as required. nterior lighting and controls (base and alternates as selected at contract) exit signs and emergency egress lighting systems

exterior entry/egress and courtyard lighting (if alternate was selected at contract) sting legacy panelboards that have been scheduled for replacement

100 Amp HVAC distribution panel (at 4th floor) oftop HVAC equipment to new 400 Amp panel; wire other HVAC loads to existing and replaced

bution equipment ire alarm devices (including NAC panels, batteries and power supplies needed to support new

four) ontal heating HWS/HWR mains, DHW/DCW/DHWR mains, above floor sanitary waste mains, mains, and vent piping throughout the Phase 4 area, starting in January 2025 NS/HWR/DCW/DHW/DHWR/Sanitary/Vent/Storm piping within the Phase 4 area from ground ne fourth floor starting in January 2025

team air handler and associated ductwork serving the Phase 4 area. HWS/HWR/DHW/DCW/DHWR/Sanitary/Storm/Vent piping throughout the Phase 4 area. new mains installed in Phase 1. Work to be completed by January 2025. ase 4 rooftop exhaust fans serving bathrooms throughout the Phase 4 area.

DOAS/ERV units and associated ductwork to serve the Phase 4 area (electrical power from new new infrastructure). lryer vent exhaust fan for the Phase 4 area.

/RF heat pumps throughout the Phase 4 area (electrical power from new panels and new

9. Final test, adjust, balance, commission all new MEP systems within the east phase for January 2026. Adjust heating hot water pump pressure setpoints as required. 10. Install new interior lighting and controls (base and alternates as selected at contract)

11. Install new exit signs and emergency egress lighting systems 12. Install new exterior entry/egress (if alternate was selected at contract)

13. Replace existing legacy panelboards that have been scheduled for replacement 14. Install new 400 Amp HVAC distribution panel (at 4th floor)

15. Wire new rooftop HVAC equipment to new 400 Amp panel; wire other HVAC loads to existing and replaced power distribution equipment 16. Install new fire alarm devices (including NAC panels, batteries and power supplies needed to support new

General Phased Hydronic Balancing Notes

1. Prior to conducting demolition of HWS/HWR piping/systems, the contractor shall document the operating head of the existing hot water heating pumps. 2. Upon installation of new hot water heating pumps, the contractor shall set the system D.P. to maintain that of the existing system to ensure flow to all "Future Phases" as currently exists. 3. Once Phase 4 is complete and all new piping and systems are operational, the contractor shall adjust the system D.P. based upon actual system requirements.

NOTE: WORK ON THIS PROJECT SHALL BE COMPLETED IN 4 SCHEDULED CONSTRUCTION PHASES. WHILE CONSTRUCTION IN ANY GIVEN PHASE IS ACTIVE, MAINE MARITIME ACADEMY WILL CONTINUE TO OCCUPY THE REMAINING 3 INACTIVE PHASES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SERVICES (INCLUDING BUT NOT LIMITED TO DOMESTIC WATER SUPPLY, HYDRONIC SUPPLY & RETURN, RAIN WATER DRAINAGE, VENT SYSTEMS, ETC.) TO INACTIVE PHASES DURING CONSTRUCTION. THE METHOD SHOWN BELOW IS ONE THAT CAN BE USED TO MAINTAIN PIPED SERVICES TO ADJACENT PHASES BUT IS NOT NECESSARILY THE ONLY METHOD AND IS NOT INTENDED TO LIMIT HOW THE CONTRACTOR MEETS THIS RESPONSIBILITY. ANY INTERRUPTIONS IN SERVICE TO OCCUPIED AREAS OF THE BUILDING SHALL BE STRICTLY COORDINATED WITH MAINE MARITIME ACADEMY.

| | PHASE B | STEPS FOR MAINTAINING | |
|---|--|--|--|
| | ACTIVE PHASE (UNDER CONSTRUCTION) | FUTURE PHASE (OCCUPIED BY MMA) | SERVICE ACROSS MULTIPLE |
| 1 | <u>}(E)</u> | (E) | 1. <u>DO NOT REMOVE</u> EXISTING F WITHIN ACTIVE PHASE UNTIL T SERVICE HAS BEEN EXTENDED FUTURE PHASE. |
| 2 | | $ \begin{array}{c} $ | 2. INSTALL THE NEW PIPE MAIN ACTIVE PHASE AND EXTEND PI LITTLE IMPACT AS POSSIBLE) II PHASE. WITHIN THE FUTURE P PROVIDE A BRANCH SIZED THE THE MAIN, VALVES "A" & "B" AN |
| 3 | | | 3. ONCE THE NEW MAIN IS OPE SCHEDULE A TEMPORARY SER SHUTDOWN AT THE FUTURE P CONNECT THE EXISTING MAIN TEMPORARY SERVICE BRANCH |
| 4 | | | 4. OPEN VALVE "B" TO PROVIDE THE FUTURE PHASE. THE SECT EXISTING PIPE MAIN IN THE AC CAN NOW BE REMOVED. |
| 5 | PREVIOUSLY COMPLETED PHASE (OCCUPIED BY MMA) | | 5. WHEN THE FUTURE PHASE E ACTIVE, EXTEND THE NEW PIP INTO THE PHASE WHILE KEEPII CLOSED. CLOSE VALVE "B" TO SERVICE AND REMOVE EXISTIN WHEN NEW WORK IS COMPLET VALVE "A" TO RESTORE SERVIC |
| | (E) EQUIPMENT TO REMAIN OR BE REPLACED NEW BRANCH | REMOVE (E) BRANCH TO PHASE BOUNDARY AND CAP | IN SOME INSTANCES, EXISTING PIPING WITHIN A FUTURE PHAS SERVE EXISTING EQUIPMENT O IN AN ACTIVE PHASE. WHERE T OCCURS, REMOVE (E) BRANCH THE ACTIVE PHASE TO THE EX POSSIBLE WITHOUT DISRUPTIN TO THE FUTURE PHASE AND RI EQUIPMENT FROM A NEW BRAN THE ACTIVE PHASE. |
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DIAGRAM - MAINTAINING PIPED SERVICES TO ADJACENT PHASES

A2


DEMOLITION KEYED NOTES:

- 3 EXISTING DUCT RISER TO BE REMOVED.
- 4 EXISTING CABINET UNIT HEATER TO REMAIN. DISCONNECT AND REMOVE EXISTING
- HWS/R PIPING.
- 6 (E) GENERATOR EXHAUST STACK UP THROUGH ROOF SHALL REMAIN FUNCTIONAL UNTIL THE NEW GENERATOR IS OPERATIONAL (PHASE 2). CONTRACTOR SHALL THEN REMOVE THE STACK IN PIECES, FROM THE BOTTOM OR TOP, COMPLETE.





DEMOLITION KEYED NOTES:

1 REMOVE (E) HWS RISER

2 REMOVE (E) HWR RISER.

- 8 EXISTING HWS MANIFOLD SERVING (E) FINTUBE THIS FLOOR REMOVE COMPLETE
- 9 EXISTING 4"Ø DRYER EXHAUST AND BOOSTER FAN TO REMAIN.
- 10 EXISTING CABINET UNIT HEATER TO REMAIN. DISCONNECT AND REMOVE EXISTING
- [11] REMOVE EXISTING HWS/R BRANCHES TO PEX HEADERS (FROM FLOOR BELOW).
- (E) GENERATOR EXHAUST STACK UP THROUGH ROOF SHALL REMAIN FUNCTIONAL UNTIL THE NEW GENERATOR IS OPERATIONAL (PHASE 2). CONTRACTOR SHALL THEN REMOVE THE STACK IN PIECES, FROM THE BOTTOM OR TOP, COMPLETE.
- REMAIN OPERATIONAL DURING PHASES 1-3.
- THROUGHOUT AND AFTER CONSTRUCTION.



A6









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- KEYED NOTES: $\langle 1 \rangle$ New HWS/R RISERS TO SERVE PERIMETER HEAT. HEAT CONTROL VALVES LOCATED WITHIN ENCLOSURES, SEE DETAIL D5 / M505. 1"HWS/R UP & DN IN CHASE.
- $\langle 2 \rangle$ NEW HWS/R RISERS TO SERVE PERIMETER HEAT. HEAT CONTROL VALVES LOCATED WITHIN ENCLOSURES, SEE DETAIL D5 / M505. 1"HWS/R U.I.C.
- $\langle 3 \rangle$ 1-1/4"GWS/R DOWN TO DOAS ON GRADE.
- $\langle 4 \rangle$ 1-1/2"GWS/R UP TO DOAS ON ROOF.
- $\langle 5 \rangle$ GWS/R TO ERV DUCT COIL. $\langle 6 \rangle$ 1"GWS/R UP TO DOAS ON ROOF.
- ⟨7⟩ 1-1/4"HWS/R D.I.C.

(8) HWS/R UP TO SERVE BATHROOM HEAT. HEAT CONTROL VALVES LOCATED WITHIN ENCLOSURE, SEE DETAIL B6 / M506.

 $\langle 9 \rangle$ CONNECT TO HWS/HWR MAINS AT BOILER ROOM, PROVIDE SHUT-OFF VALVES AT BRANCHES.

 $\langle 10 \rangle$ Connect New HWS / HWR PIPING TO EXISTING EQUIPMENT, BALANCE AS NOTED.

 $\langle 11 \rangle$ VRF BRANCH LINESETS (RL/RS) FROM MANIFOLD TO EVAPORATORS.

(12) VRF MAIN RISERS (RL/RS) IN CHASE.

BDRM 105 BDRM 106 BDRM 107 BDRM 108 CONNECT NEW PIPING TO EXISTING EQUIPMENT. FIRST FLOOR MECHANICAL PIPING PLAN A3

(E)<u>FT</u>

BDRM

104

HP1 1-23

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SEE SHEET MEP000 FOR ADDITIONAL INFORMATION AND PHASING NOTES.

































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PHASE 3 FIRST FLOOR MECHANICAL DUCTWORK DEMOLITION PLAN A6

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GENERAL MECHANICAL NOTE:

UNLESS OTHERWISE NOTED, ALL EXISTING MECHANICAL PIPING WITHIN THE BUILDING INCLUDING HWS, HWR, LPS, LPR, MPS, & MPR IS TO BE REMOVED. HWS & HWR PIPING IS TO BE REPLACED WITH NEW, REFER TO DEMOLITION PLANS FOR APPROXIMATE PIPING LAYOUT, EXISTING HOT WATER EQUIPMENT SHALL REMAIN FOR RE-USE, EXCEPT WHERE NOTED FOR REPLACEMENT. PROVIDE NEW CONTROL VALVES AND CONNECT NEW PIPING TO EXISTING EQUIPMENT.

| A3 | PHASE 3 FIRST FLOOR MECHANICAL DUCTWORK PLAN |
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GENERAL PHASING NOTE:

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FIRST FLOOR MECHANICAL PIPING PLAN

A3

PHASE 3 SECOND FLOOR MECHANICAL DEMOLITION PLAN

A6

- 4 REMOVE (E) BATHROOM EXHAUST DUCT RISER AND GRILLES.
- 5 (E) DRYER EXHAUST DUCTS AND RISER TO REMAIN.

| <u>GENERAL MECHANICAL NOTE:</u> |
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| UNLESS OTHERWISE NOTED, ALL EXISTING MECH |
| WITHIN THE BUILDING INCLUDING HWS, HWR, LPS |
| MPR IS TO BE REMOVED. HWS & HWR PIPING IS T |
| REPLACED WITH NEW, REFER TO DEMOLITION PL |
| APPROXIMATE PIPING LAYOUT. EXISTING HOT WA |
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HANICAL NOTE:

OTED, ALL EXISTING MECHANICAL PIPING NCLUDING HWS, HWR, LPS, LPR, MPS, &). HWS & HWR PIPING IS TO BE REFER TO DEMOLITION PLANS FOR AYOUT. EXISTING HOT WATER AIN FOR RE-USE, EXCEPT WHERE NOTED ROVIDE NEW CONTROL VALVES AND

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PHASE 3 SECOND FLOOR MECHANICAL PLAN

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PHASE 3 THIRD FLOOR MECHANICAL DEMOLITION PLAN A6

4 REMOVE (E) BATHROOM EXHAUST DUCT RISER AND GRILLES.

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5 (E) DRYER EXHAUST DUCTS AND RISER TO REMAIN.

| GENERAL MECHANICAL NOTE: |
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| UNLESS OTHERWISE NOTED, ALL EXISTING MECH |
| WITHIN THE BUILDING INCLUDING HWS, HWR, LPS |
| MPR IS TO BE REMOVED. HWS & HWR PIPING IS TO |
| REPLACED WITH NEW, REFER TO DEMOLITION PL |
| APPROXIMATE PIPING LAYOUT. EXISTING HOT WA |
| EQUIPMENT SHALL REMAIN FOR RE-USE, EXCEPT |
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PHASE 3 THIRD FLOOR MECHANICAL PLAN

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PHASE 3 FOURTH FLOOR MECHANICAL DEMOLITION PLAN A6

4 REMOVE (E) BATHROOM EXHAUST DUCT RISER AND GRILLES.

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| UNLESS UTHERWISE NUTED, ALL EXISTING MECH |
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| CONNECT NEW PIPING TO EXISTING EQUIPMENT. |

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- 5 (E) DRYER EXHAUST DUCTS AND RISER TO REMAIN.

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PHASE 3 FOURTH FLOOR MECHANICAL PLAN - EAST

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| | <u>KEYED NOTES:</u> (1) EXISTING DRYER EXHAUST FAN TO BE REPLACED W/ VARIABLE FLOW FAN. (2) RETURN DUCT TO DROP THROUGH EXISTING FAN CURB. CAP AND SEAL WEATHERTIGHT, SEE DETAIL. (3) FOR DUCT PENETRATION DETAIL AT ROOF, SEE DETAIL. |
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GENERAL PHASING NOTE:

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PHASE 4 FIRST FLOOR MECHANICAL DUCTWORK PLAN

A6

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| WITHIN THE BUILDING HWS, HWR, LPS, LPR, MPS, & MPR IS TO BE REMOVED. HWS & HWR PIPING IS TO BE REPLACED WITH NEW, REFER TO DEMOLITION PLANS FOR APPROXIMATE PIPING LAYOUT. EXISTING HOT WATER EQUIPMENT SHALL REMAIN FOR RE-USE, EXCEPT WHERE NOTED FOR REPLACEMENT. PROVIDE NEW CONTROL VALVES AND CONNECT NEW PIPING TO EXISTING EQUIPMENT. GENERAL PHASING NOTE: THIS PROJECT IS SCHEDULED TO BE COMPLETED IN MULTIPLE PHASES. THE OWNER WILL OCCUPY ALL PORTIONS OF THE BUILDING THAT ARE NOT ACTIVELY UNDER CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SERVICES TO ALL PARTS OF THE BUILDING NO TACTIVELY UNDER CONSTRUCTION. SEE A2 / MEP000 FOR AN EXAMPLE STRATEGY TO MAINTAIN SERVICE TO OCCUPIED AREAS INTERRUPTIONS IN SERVICE TO OCCUPIED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL BE STRICTLY COORDINATED WITH MAINE MARITIME ACADEMY. SEE SHEET MEP000 FOR ADDITIONAL INFORMATION AND PHASING NOTES. | | UNLESS OTHERWISE NOTED, ALL EXISTING MECHANICAL PIPING | | |
| Reflaced with new, refer to Demolition PLANS FOR APPROXIMATE PIPING LAYOUT. EXISTING HOT WATER EQUIPMENT SHALL REMAIN FOR RE-USE, EXCEPT WHERE NOTED FOR REPLACEMENT. PROVIDE NEW CONTROL VALVES AND CONNECT NEW PIPING TO EXISTING EQUIPMENT. GENERAL PHASING NOTE: THIS PROJECT IS SCHEDULED TO BE COMPLETED IN MULTIPLE PHASES. THE OWNER WILL OCCUPY ALL PORTIONS OF THE BUILDING THAT ARE NOT ACTIVELY UNDER CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SERVICES TO ALL PARTS OF THE BUILDING NOT ACTIVELY UNDER CONSTRUCTION. SEE A2 / MEP000 FOR AN EXAMPLE STRATEGY TO MAINTAIN SERVICE TO OCCUPIED AREAS. INTERRUPTIONS IN SERVICE TO OCCUPIED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL BE STRICTLY COORDINATED WITH MAINE MARITIME ACADEMY. SEE SHEET MEP000 FOR ADDITIONAL INFORMATION AND PHASING NOTES. | | WITHIN THE BUILDING INCLUDING HWS, HWR, LPS, LPR, MPS, & MPR IS TO BE REMOVED. HWS & HWR PIPING IS TO BE REPLACED WITH NEW, REFER TO DEMOLITION DUAND FOR | | |
| Econ metro of intervolute neuron of the observed control valves and connect new piping to existing equipment. GENERAL PHASING NOTE: This project is scheduled to be completed in multiple phases. The owner will occupy all portions of the building that are not actively under construction. It is the responsibility of the contractor to maintain services to all parts of the building not actively under construction. See a2 / Mepoo for an example strategy to Maintain service to occupied areas interruptions in service to occupied areas shall be kept to a minimum and shall be strictly coordinated with maine maritime academy. See Sheet Mepoo for additional information and phasing notes. | | APPROXIMATE PIPING LAYOUT. EXISTING HOT WATER FOUIPMENT SHALL REMAIN FOR RELISE EXCEPT WHERE NOTED | | |
| GENERAL PHASING NOTE: THIS PROJECT IS SCHEDULED TO BE COMPLETED IN MULTIPLE PHASES. THE OWNER WILL OCCUPY ALL PORTIONS OF THE BUILDING THAT ARE NOT ACTIVELY UNDER CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SERVICES TO ALL PARTS OF THE BUILDING NOT ACTIVELY UNDER CONSTRUCTION. SEE A2 / MEP000 FOR AN EXAMPLE STRATEGY TO MAINTAIN SERVICE TO OCCUPIED AREAS. INTERRUPTIONS IN SERVICE TO OCCUPIED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL BE STRICTLY COORDINATED WITH MAINE MARITIME ACADEMY. SEE SHEET MEP000 FOR ADDITIONAL INFORMATION AND PHASING NOTES. | | FOR REPLACEMENT. PROVIDE NEW CONTROL VALVES AND CONNECT NEW PIPING TO EXISTING EQUIPMENT. | | |
| GEINEKAL PHASING NUTE: THIS PROJECT IS SCHEDULED TO BE COMPLETED IN MULTIPLE PHASES. THE OWNER WILL OCCUPY ALL PORTIONS OF THE BUILDING THAT ARE NOT ACTIVELY UNDER CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SERVICES TO ALL PARTS OF THE BUILDING NOT ACTIVELY UNDER CONSTRUCTION. SEE A2 / MEP000 FOR AN EXAMPLE STRATEGY TO MAINTAIN SERVICE TO OCCUPIED AREAS. INTERRUPTIONS IN SERVICE TO OCCUPIED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL BE STRICTLY COORDINATED WITH MAINE MARITIME ACADEMY. SEE SHEET MEP000 FOR ADDITIONAL INFORMATION AND PHASING NOTES. | | | | |
| ALL PORTIONS OF THE BUILDING THAT ARE NOT ACTIVELY UNDER CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SERVICES TO ALL PARTS OF THE BUILDING NOT ACTIVELY UNDER CONSTRUCTION. SEE A2 / MEP000 FOR AN EXAMPLE STRATEGY TO MAINTAIN SERVICE TO OCCUPIED AREAS. INTERRUPTIONS IN SERVICE TO OCCUPIED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL BE STRICTLY COORDINATED WITH MAINE MARITIME ACADEMY. SEE SHEET MEP000 FOR ADDITIONAL INFORMATION AND PHASING NOTES. | | | | |
| NOT ACTIVELY UNDER CONSTRUCTION. SEE A2 / MEP000 FOR AN EXAMPLE STRATEGY TO MAINTAIN SERVICE TO OCCUPIED AREAS. INTERRUPTIONS IN SERVICE TO OCCUPIED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL BE STRICTLY COORDINATED WITH MAINE MARITIME ACADEMY. SEE SHEET MEP000 FOR ADDITIONAL INFORMATION AND PHASING NOTES. | | ALL PORTIONS OF THE BUILDING THAT ARE NOT ACTIVELY UNDER CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SERVICES TO ALL PARTS OF THE BUILDING | N | $\nu >$ |
| BE KEPT TO A MINIMUM AND SHALL BE STRICTLY COORDINATED WITH MAINE MARITIME ACADEMY. PLAN NORTH TRUE NORT SEE SHEET MEP000 FOR ADDITIONAL INFORMATION AND PHASING NOTES. | | NOT ACTIVELY UNDER CONSTRUCTION. SEE A2 / MEP000 FOR AN EXAMPLE STRATEGY TO MAINTAIN SERVICE TO OCCUPIED AREAS. INTERRUPTIONS IN SERVICE TO OCCUPIED AREAS SHALL | IN | |
| | | BE KEPT TO A MINIMUM AND SHALL BE STRICTLY COORDINATED WITH MAINE MARITIME ACADEMY. SEE SHEET MEP000 FOR ADDITIONAL INFORMATION AND PHASING NOTES. | PLAN NORTH | I'RUE NORT |
| | | | | |

| | | | | | ENERGY RECO | VERY VENTILATOR (ER | V) SCHEDULE | | | | | |
|--------------------|------------------------|-----------------------|--------------------|-----------------------|----------------------|----------------------|-------------------------|------------------|--------------------|--------------------|----------------------|----------------|
| GENERAL | TAG | ERV-1-11 | ERV-1-21 | ERV-1-22 | ERV-1-31 | ERV-1-32 | ERV-1-33 | ERV-0-41 | ERV-0-42 | ERV-0-43 | ERV-1-41 | ERV-1-4 |
| | SERVES | FLR 1 CHAPEL, PHASE 1 | FLR 1 BOH, PHASE 2 | FLR 1 LOUNGE, PHASE 2 | FLR 1 ADMIN, PHASE 3 | FLR 1 ADMIN, PHASE 3 | FLR 1 SECURITY, PHASE 3 | BILGE, PHASE 4 | BOOKSTORE, PHASE 4 | FLR 1 APT, PHASE 4 | FLR 1 SALON, PHASE 4 | FLR 1 ADMIN, F |
| | LOCATION | FIRST FLR (1) | FIRST FLR (1) | FIRST FLR (1) | FIRST FLR (1) | FIRST FLR (1) | FIRST FLR (1) | GROUND FLOOR (0) | GROUND FLOOR (0) | GROUND FLOOR (0) | FIRST FLR (1) | FIRST FLR |
| | TYPE | Enthalpy Core | Enthalpy Core | Enthalpy Core | Enthalpy Core | Enthalpy Core | Enthalpy Core | Enthalpy Core | Enthalpy Wheel | Enthalpy Core | Enthalpy Core | Enthalpy C |
| | MFR | ALDES | ALDES | ALDES | ALDES | ALDES | ALDES | ALDES | ALDES | ALDES | ALDES | ALDES |
| | MODEL | E650L-Fi-EC-N | E650L-Fi-EC-N | E650L-Fi-EC-N | E650L-Fi-EC-N | E650L-Fi-EC-N | E650L-Fi-EC-N | E650L-Fi-EC-N | CW2000i | E650L-Fi-EC-N | E650L-Fi-EC-N | E650L-Fi-E |
| FILTER SECTION | FILTERS (OA) | MERV 13 | MERV 13 | MERV 13 | MERV 13 | MERV 13 | MERV 13 | MERV 13 | MERV 13 | MERV 13 | MERV 13 | MERV 1 |
| | FILTERS SIZE (IN) | | | | | | | | 20 x 20 x 2 | | | |
| | FILTERS (RA) | MERV 8 | MERV 8 | MERV 8 | MERV 8 | MERV 8 | MERV 8 | MERV 8 | MERV 8 | MERV 8 | MERV 8 | MERV 8 |
| | FILTERS SIZE (IN) | | | | | | | | 20 x 20 x 2 | | | |
| OUTSIDE AIR FAN | TYPE | ECM | ECM | ECM | ECM | ECM | ECM | ECM | ODP, BI | ECM | ECM | ECM |
| | AIRFLOW (cfm) | 200 | 300 | 225 | 425 | 225 | 250 | 450 | 1,450 | 450 | 440 | 225 |
| | ESP, in.wc. | 0.50inwc | 0.50inwc | 0.50inwc | 0.50inwc | 0.50inwc | 0.50inwc | 0.50inwc | 0.75inwc | 0.50inwc | 0.50inwc | 0.50inwo |
| | MOTOR SPEEDS | VARIABLE | VARIABLE | VARIABLE | VARIABLE | VARIABLE | VARIABLE | VARIABLE | VFD | VARIABLE | VARIABLE | VARIABL |
| | FAN HP / kW | | | | | | | | (1) 1HP | | | |
| EXHAUST AIR FAN | TYPE | ECM | ECM | ECM | ECM | ECM | ECM | ECM | ODP, BI | ECM | ECM | ECM |
| | AIRFLOW (cfm) | 200 | 300 | 225 | 425 | 225 | 250 | 450 | 1,450 | 450 | 440 | 225 |
| | ESP, in.wc. | 0.50inwc | 0.50inwc | 0.50inwc | 0.50inwc | 0.50inwc | 0.50inwc | 0.50inwc | 0.75inwc | 0.50inwc | 0.50inwc | 0.50inwo |
| | MOTOR SPEEDS | VARIABLE | VARIABLE | VARIABLE | VARIABLE | VARIABLE | VARIABLE | VARIABLE | VFD | VARIABLE | VARIABLE | VARIABL |
| | FAN HP / kW | | | | | | | | (1) 1HP | | | |
| OVERALL DIMENSIONS | LENGTH | 41.75" | 41.75" | 41.75" | 41.75" | 41.75" | 41.75" | 41.75" | 131.8" | 41.75" | 41.75" | 41.75" |
| | WIDTH | 32.125" | 32.125" | 32.125" | 32.125" | 32.125" | 32.125" | 32.125" | 58.4" | 32.125" | 32.125" | 32.125" |
| | HEIGHT | 23.875" | 23.875" | 23.875" | 23.875" | 23.875" | 23.875" | 23.875" | 71.2" | 23.875" | 23.875" | 23.875" |
| | OPERATING WEIGHT, lbs. | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 3,200 | 150 | 150 | 150 |
| IEAT RECOVERY CORE | SUMMER OA DB/WB | 87 / 74 | 87 / 74 | 87 / 74 | 87 / 74 | 87 / 74 | 87 / 74 | 87 / 74 | 87 / 74 | 87 / 74 | 87 / 74 | 87 / 74 |
| | WINTER OA DB | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 |
| | SUMMER SA DB/WB | 79 / 69 | 79 / 69 | 79 / 69 | 79 / 69 | 79 / 69 | 79 / 69 | 79 / 69 | 79 / 69 | 79 / 69 | 79 / 69 | 79 / 69 |
| | WINTER SA DB | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| | SENSIBLE EFFECTIVENESS | 75.0% | 70.0% | 74.0% | 63.0% | 74.0% | 73.0% | 62.0% | 80% (Total) | 62.0% | 61.0% | 74.0% |
| | SUMMER TOTAL EFF. | 62.0% | 56.0% | 60.0% | 50.0% | 60.0% | 58.0% | 48.0% | 82% (Sensible) | 48.0% | 47.0% | 60.0% |
| | WINTER TOTAL EFF. | 73.0% | 68.0% | 71.0% | 60.0% | 71.0% | 70.0% | 58.0% | 77% (Latent) | 58.0% | 57.0% | 71.0% |
| | FROST CONTROL | EXHAUST | EXHAUST | EXHAUST | EXHAUST | EXHAUST | EXHAUST | EXHAUST | RECIRC DAMPER | EXHAUST | EXHAUST | EXHAUS |
| | CORE BYPASS | INTERNAL DAMPER | INTERNAL DAMPER | INTERNAL DAMPER | INTERNAL DAMPER | INTERNAL DAMPER | INTERNAL DAMPER | INTERNAL DAMPER | INTERNAL DAMPER | INTERNAL DAMPER | INTERNAL DAMPER | INTERNAL DA |
| HEATING COIL | HYDRONIC COIL TAG | HC-1-11 | HC-1-21 | HC-1-22 | HC-1-31 | HC-1-32 | HC-1-33 | HC-0-41 | HC-0-42 | HC-0-43 | HC-1-41 | HC-1-42 |
| ELECTRICAL DATA | V-PH-HZ | 208-1-60 | 208-1-60 | 208-1-60 | 208-1-60 | 208-1-60 | 208-1-60 | 208-1-60 | 208-3-60 | 208-1-60 | 208-1-60 | 208-1-60 |
| | UNIT MCA | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 23.2 | 3.4 | 3.4 | 3.4 |
| | MOPD / MOCP | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 25 | 15 | 15 | 15 |
| | SMOKE DETECTORS | NONE | NONE | NONE | NONE | NONE | NONE | NONE | SA & RA | NONE | NONE | NONE |

2. WEIGHT AND DIMENSIONS DO NOT INCLUDE CURB INFORMATION.

| HEAT EXCHANGER SCHEDULE - STEAM TO WATER CONVERTER | | | | | | | | | | | | | | | |
|--|---------------|-------------|---------|------------|--------|-----|--|-----|-----|------|------|-----------|---|-----|--------|
| STEAM INILET STEAM | | | | | | | | | | | | | | | |
| TAG | MFR-MODEL | LOCATION | SERVICE | PRESS PSIG | LBS/HR | GPM | GPM% PROP GLYCOLE.W.T. DEG FL.W.T. DEG FP.D. (FT HD)TUBE VEL (FPS)MBH | | | | | | | | LENGTH |
| HEX-H1 | TACO E16206-S | BLR RM MEZZ | HWS/R | 15 | 1,759 | 210 | 0 | 160 | 180 | 0.12 | 1.7 | 2,100,000 | 2 | 16" | 36" |
| HEX-H2 | TACO E16206-S | BLR RM MEZZ | HWS/R | 15 | 1,759 | 210 | 0 | 160 | 180 | 0.12 | 1.7 | 2,100,000 | 2 | 16" | 36" |
| HEX-G | TACO E12206-S | BLR RM MEZZ | GWS/R | 15 | 817 | 65 | 40 | 150 | 180 | 0.06 | 1.04 | 975,000 | 2 | 12" | 36" |
| | | | | | | | | | | | | | | | |

| FAN SCHEDULE | | | | | | | | | | | | | | | | |
|--------------|------------------------|---------|----------|----------------|--------|-------|------|---|-----|------|-------------------------|--------|----------|-----|------|--|
| | | | | | | | | | | ELEC | TRICAL REQUIREMI | ENTS | | | | |
| TAG | SERVES | MFR. | MODEL | TYPE | DRIVE | CFM | ESP | MCA HP MOTOR TYPE SPEED CONTROL DISC. VOLTS / PH / HZ (LE | | | | | | | | |
| DEF-R-1 | DRYER EXHAUST, PHASE 1 | ENERVEX | BEF-450x | BOX VENTILATOR | DIRECT | 1,200 | 2.0" | 8.9 | 2.3 | ECM | STACK PRESSURE | DIV 26 | 208/3/60 | 143 | 1, 2 | |
| DEF-R-2 | DRYER EXHAUST, PHASE 2 | ENERVEX | BEF-450x | BOX VENTILATOR | DIRECT | 1,200 | 2.0" | 8.9 | 2.3 | ECM | STACK PRESSURE | DIV 26 | 208/3/60 | 143 | 1, 2 | |
| DEF-R-3 | DRYER EXHAUST, PHASE 3 | ENERVEX | BEF-450x | BOX VENTILATOR | DIRECT | 1,200 | 2.0" | 8.9 | 2.3 | ECM | STACK PRESSURE | DIV 26 | 208/3/60 | 143 | 1, 2 | |
| DEF-R-4 | DRYER EXHAUST, PHASE 4 | ENERVEX | BEF-450x | BOX VENTILATOR | DIRECT | 1,200 | 2.0" | 8.9 | 2.3 | ECM | STACK PRESSURE | DIV 26 | 208/3/60 | 143 | 1, 2 | |
| | | | | | | | | | | | | | | | | |
| NOTE | | | | | | | | | | | | | | | | |

5

INUTE. 1. FAN POWER FED FROM EBC-31 MODULATING CONTROLLER (0-10V). 2. PROVIDE OFFSET STACK HIGH PLUME DISCHARGE FOR DRYER EXHAUST APPLICATION.

6

DUCT HEATING COIL SCHEDULE

| | | | | | | | | | | FLU | JID = 40% | P.G. | |
|---------|----------|-------------|------------|------------|--------------|--------|--------|-------|------------|------|-----------|--------|-----|
| TAG | SERVES | AIRFLOW CFM | LENGTH IN. | HEIGHT IN. | FACE VEL FPM | EDB °F | LDB °F | MBH | MAX APD | GPM | EWT °F | LWT °F | WPD |
| HC-1-11 | ERV-1-11 | 200 | 10 | 8 | 360 | 45 | 75 | 6.5 | 0.1" | 0.4 | 180 | 150 | 3' |
| HC-1-21 | ERV-1-21 | 300 | 12 | 8 | 450 | 45 | 75 | 9.7 | 0.1" | 0.6 | 180 | 150 | 3' |
| HC-1-22 | ERV-1-22 | 225 | 10 | 8 | 405 | 45 | 75 | 7.3 | 0.1" | 0.5 | 180 | 150 | 3' |
| HC-1-31 | ERV-1-31 | 425 | 14 | 10 | 437 | 45 | 75 | 13.8 | 0.1" | 0.9 | 180 | 150 | 3' |
| HC-1-32 | ERV-1-32 | 225 | 10 | 8 | 405 | 45 | 75 | 7.3 | 0.1" | 0.5 | 180 | 150 | 3' |
| HC-1-33 | ERV-1-33 | 250 | 10 | 8 | 450 | 45 | 75 | 8.1 | 0.1" | 0.5 | 180 | 150 | 3' |
| HC-0-41 | ERV-0-41 | 450 | 14 | 10 | 463 | 45 | 75 | 14.6 | 0.1" | 1.0 | 180 | 150 | 3' |
| HC-0-42 | ERV-0-42 | 1,400 | 24 | 18 | 467 | 45 | 75 | 45.4 | 0.1" | 3.0 | 180 | 150 | 3' |
| HC-0-43 | ERV-0-43 | 450 | 14 | 10 | 463 | 45 | 75 | 14.6 | 0.1" | 1.0 | 180 | 150 | 3' |
| HC-1-41 | ERV-1-41 | 475 | 14 | 10 | 489 | 45 | 75 | 15.4 | 0.1" | 1.0 | 180 | 150 | 3' |
| HC-1-42 | ERV-1-42 | 225 | 10 | 8 | 405 | 45 | 75 | 7.3 | 0.1" | 0.5 | 180 | 150 | 3' |
| | TOTALS | 4,625 | | | | | | 149.9 | | 10.0 | | | |

| | | | EX | HAUST C | APTURE S | CHEDU | LE | | | | | | |
|--------|--|--------------|--------------|---------|-------------|--------|--------|-----|-----|-----------------------|----------|------|---------|
| | | 1 | | | | | | | | | | | l |
| TAG | TYPE | MANUFACTURER | MODEL | SERVES | WIDTH (L-R) | DEPTH | HEIGHT | CFM | SP. | DUCT CONN. | ELEC. | AMPS | WEIGHT |
| H-1 | RECIRCULATING FIRE PROTECTION RANGE HOOD | DENLAR | D1036-F-NFPA | RANGE | 36" | 19.38" | 14.8" | 500 | | FRONT - RECIRCULATING | 120/1/60 | 3.7 | 57 LBS. |
| | | | | | | | | | | | | | |
| NOTES: | | | | | | | | | | | | | |

1. INTEGRATED FIRE SUPPRESSION SYSTEM

2. MANUAL PULL STATION KIT W/ 25FT CABLE 3. NFPA 101 COMPLIANCE

4. PROVIDE W/ CLOCK-BOX PRO, ADA SWITCHES, ELECTRICAL DISCONNECT, HORN & STROBE

| | | | | HYD | RONIC PL | JMP S | CHED | ULE | | | | | | | | |
|----------|-------------|-------------|---------------------------|--|-----------------|--------------|---------------|-------|------|-------------|------|------------|----------------------|-----------------|---------------------|---------------------|
| | | | | | | PE | RFORMAN | NCE | | | ELEC | TRICAL | | ELEC | TRICAL COORI | DINATION |
| TAG | SYSTEM | MFR. | MODEL | TYPE | PUMPED FLUID | GPM TOTAL | GPM / PUMP | HEAD | BHP | MOTOR HP | RPM | MCA / MOCP | VOLTS/PH (60 Hz.) | STARTER TYPE | STARTER FURN. BY | DISC. SWI FURN B |
| | | | | | | | 216 | | 5.72 | 7.5 | 3591 | | | | | |
| P-H1 | HWS/R | GRUNDFOS | HYDRO MPC-E-3CRE-45-1-1 | PACKAGED TRIPLEX INTEGRAL VARIABLE SPEED | WATER | 648 | 216 | 77.3 | 5.72 | 7.5 | 3591 | 78.7 / 90 | 208/3 | INTEGRAL | DIV 23 | DIV 23 |
| | | | | | | | 216 | | 5.72 | 7.5 | 3591 | | | | | |
| | CW/S/P | | | | 40% P.C | 65 | 65 | 74 57 | 1.76 | 5 | 2933 | 27.6 / 45 | 200/2 | | 22 //10 | 22 //IU |
| F-01 | GWS/R | GRUNDFUS | HTDRO MFC-E-2CRE-13-2 | FACTAGED DUFLEX INTEGRAL VARIABLE SFEED | 40 % F.G. | 05 | 65 | 14.57 | 1.76 | 5 | 2933 | - 57.07 45 | 200/3 | INTEGRAL | DIV 23 | DIV 23 |
| NOTEO | | | | | | | | | | | | | | | | |
| 1 PACKAG | ED PLIMP SY | STEM SINGLE | POINT POWER AT CONTROL PA | NEL SIZE AND SET UP FOR 33-33-33 THREE PUMSP C | AN RUN NO ST | | | | | | | | | | | |

2. PACKAGED PUMP SYSTEM, SINGLE POINT POWER AT CONTROL PANEL, SIZE AND SET UP FOR 100-100, ONE PUMP RUNS + ONE STANDBY.

| | | | HYDRO | DNIC FINNED TUBE | RADIA | FION SC | HEDU | JLE | | | | | |
|---------------------|-------------------------|------------------------------|---------------------|--------------------------------------|-----------------------|-----------------|---------------|----------|----------|----------|--------------------|----------------|--------|
| TAG | STERLING MODEL | DESCRIPTION | ENCLOSURE HEIGHT | MOUNTING HEIGHT, TOP OF ENCLOSURE | DEPTH FROM WALL | No. OF TIERS | FLOW (GPM) | EAT (°F) | AWT (°F) | BTU / FT | ELEMENT | FIN SIZE (HxW) | FINS / |
| FT-1 | VERSA-LINE JVB-SS19 | COMMERCIAL, DOUBLE SLOPE TOP | 19-1/2" | TIGHT TO CEILING | 5-5/16" | 1 | 1.0 | 65 | 170 | 970 | 3/4" COPPER / ALUM | 3-5/8"x4-1/4" | 50 |
| FT-2 | VERSA-LINE JVB-S14 | COMMERCIAL, SLOPE TOP | 14" | 18" | 5-5/16" | 1 | 1.0 | 65 | 170 | 1,120 | 3/4" COPPER / ALUM | 3-5/8"x4-1/4" | 50 |
| FT-3 | VERSA-LINE BARE-"A" | COMMERCIAL, BARE ELEMENT | N/A | N/A | N/A | 1 | 4.0 | 65 | 170 | 700 | 3/4" COPPER / ALUM | 3-1/4"x3-1/4" | 50 |
| NOTES: 1. PROVIE | E RETURNS WITHIN ENCLOS | JRE WHERE APPLICABLE. | | | | | | | | | | | |

| | | | | | | LO | UVER / W | ALL (| CAP SCH | EDULE | | | | | | |
|------|--------------|-----------|----------------|----------------------------|---------|-------------------------|------------------------|------------------------|------------------------|-------------------------------|-----------------------------|----------------|----------------|--|----------------------|------------|
| | | | | | | | | | DIMENSI | ONS | | | | | | |
| TAG | MAKE - MODEL | TYPE | AIR SYSTEMS | DUTY (INTAKE / EXHAUST) | MAX CFM | OPENING HEIGHT (IN.) | OPENING WIDTH (IN.) | DUCT DIAM. (IN.) | MIN. FREE AREA (SF) | GROSS VELOCITY (FT/MIN) | NET VELOCITY (FT/MIN) | % FREE AREA | BLADE DEPTH | WATER PENETRATION AT 0.01 OZ./SF | MAX P.D. I.N.W.C. | SCREEN |
| L-1 | AWV LE-53 | LOUVER | ERV-0-42 & 043 | EXHAUST | 1,850 | 48 | 24 | | 3.04 | 231 | 609 | 38% | 4" | 873 FPM | 0.01 | SEE 233113 |
| | | | | | | | | | | | | | | | | |
| WC-1 | ALDES 22312 | WALL HOOD | ERVs | INTAKE | 475 | 12 | 15 | 12 | 0.78 | 380 | 609 | 62% | | | | SEE 233113 |
| WC-2 | ALDES 22312 | WALL HOOD | ERVs | EXHAUST | 475 | 12 | 15 | 12 | 0.78 | 380 | 609 | 62% | | | | SEE 233113 |

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|---|--------------|---------------|----------|
| Ę | | | |
| | TAG | NEPTUNE MODEL | C/ |
| Ş | GF-1 | G50-1A | |
| Ę | | | |
| ٢ | | | |

4

| | GLYCOL FEED SYSTEM | | | | | | | | | | |
|----------|--------------------|----------------|---------|--------------|--------------------|-------------------------|----------|---------------------------|--|--|--|
| CAPACITY | HWS SYSTEM PUMP | | | | | ELECTRICAL COORDINATION | | | | | |
| SF-EDR | GPM (100PSI) | DISCH PRESSURE | PUMP HP | RECEIVER GAL | INLET / DISCH SIZE | STARTER FURN. BY | V-PH-HZ | DISC. SWITCH FURN B | | | |
| 6000 | 1.5 | 100 | 1/2 | 50 | 1/2" | PACKAGED WITH UNIT | 120/1/60 | 8FT POWER CORD W/PLUG FUF | | | |

1

| AIR SEPARATIO | N & EXPANSIC | ON TANK SCHE | DULE |
|---------------------------------|--------------|--------------|-------|
| SYSTEM | HWS/R LOOP | GWS/R LOOP | DHW |
| AIR-DIRT SEPARATOR | AS-H | AS-G | |
| MANUFACTURER | TACO | TACO | |
| MODEL | 4906AD | 49025AD | |
| ТҮРЕ | AIR & DIRT | AIR & DIRT | |
| FLOW RATE, GPM | 648 | 65 | |
| INLET/OUTLET | 6" | 2-1/2" | |
| BLADDER-TYPE EXPANSION TANK | ET-H1 & H2 | ET-G | ET-D |
| MANUFACTURER | TACO | TACO | TACO |
| MODEL | CA-1100 | CA-450 | PAX10 |
| SYSTEM HEIGHT, FT | 60 | 60 | |
| STATIC PRESSURE AT TANK, PSI. | 26.0 | 26.0 | |
| PSI REQ'D. AT HIGHEST SYS POINT | 5 | 5 | |
| TANK PRE-CHARGE PRESSURE | 31.0 | 31.0 | 40.0 |
| TANK DIAMETER | 30 | 20 | 12" |
| TANK LENGTH | 85.25 | 77.5 | 12" |
| ACCEPTANCE VOLUME | 291 | 119 | 1.7 |
| WATERLOGGED WEIGHT (LBS.) | 3250 | 1375 | 63 |
| ASME PRESSURE RATING | 125 | 125 | 150 |

<hr/>

6

| R,G, & D ROUND DUCT RUNOUT SIZE | | | | | | |
|--|-------------------|--|--|--|--|--|
| DUCT SIZE (Ø IN.) | CFM RANGE | | | | | |
| 4" | 0 ≤ CFM ≤ 30 | | | | | |
| 5" | 31 ≤ CFM ≤ 60 | | | | | |
| 6" | 61 ≤ CFM ≤ 100 | | | | | |
| 7" | 101 ≤ CFM ≤ 150 | | | | | |
| 8" | 151 ≤ CFM ≤ 215 | | | | | |
| 9" | 216 ≤ CFM ≤ 285 | | | | | |
| 10" | 286 ≤ CFM ≤ 385 | | | | | |
| 12" | 385 ≤ CFM ≤ 620 | | | | | |
| 14" | 621 ≤ CFM ≤ 950 | | | | | |
| 16" | 951 ≤ CFM ≤ 1330 | | | | | |
| 18" | 1331 ≤ CFM ≤ 1810 | | | | | |
| NOTE: ROUND DUCT RUNOUT SIZES, UNLESS NOTED OTHERWISE IN DOCUMENTS | | | | | | |

| TAG | MFR. | MODEL | TYPE | NECK SIZE | FACE SIZE | MAX CFM | MAX TOTAL P.D. (IN.W.C.) | MAX NC LEVEL | BLOW | NOTES |
|------|-------|-------|--|--------------------|-----------------|---------|-----------------------------------|--------------------|------------|------------------|
| S-1 | PRICE | 520 | STEEL DOUBLE DEFL. SUPPLY | 6" X 6" | 7.75" X 7.75" | 40 | 0.10" | 20 | ADJUSTABLE | 4"Ø DUCT RUNOUT |
| S-2 | PRICE | 520 | STEEL DOUBLE DEFL. SUPPLY | 6" X 6" | 7.75" X 7.75" | 130 | 0.10" | 20 | ADJUSTABLE | 6"Ø DUCT RUNOUT |
| S-3 | PRICE | 520 | STEEL DOUBLE DEFL. SUPPLY | 8" X 6" | 9.75" X 7.75" | 180 | 0.10" | 20 | ADJUSTABLE | 8"Ø DUCT RUNOUT |
| S-4 | PRICE | 520 | STEEL DOUBLE DEFL. SUPPLY | 10" X 6" | 11.75" X 7.75" | 240 | 0.10" | 20 | ADJUSTABLE | 10"Ø DUCT RUNOUT |
| S-5 | PRICE | 520D | STEEL DOUBLE DEFL. SUPPLY W/DAMPER | 6" X 6" | 7.75" X 7.75" | 40 | 0.10" | 20 | ADJUSTABLE | |
| S-6 | PRICE | 520D | STEEL DOUBLE DEFL. SUPPLY W/DAMPER | 6" X 6" | 7.75" X 7.75" | 130 | 0.10" | 20 | ADJUSTABLE | |
| S-7 | PRICE | 520D | STEEL DOUBLE DEFL. SUPPLY W/DAMPER | 8" X 6" | 9.75" X 7.75" | 180 | 0.10" | 20 | ADJUSTABLE | |
| S-8 | PRICE | 520D | STEEL DOUBLE DEFL. SUPPLY W/DAMPER | 12" X 4" | 13.75" X 5.75" | 180 | 0.10" | 20 | ADJUSTABLE | |
| S-9 | PRICE | 520D | STEEL DOUBLE DEFL. SUPPLY W/DAMPER | 10" X 6" | 11.75" X 7.75" | 240 | 0.10" | 20 | ADJUSTABLE | |
| S-10 | PRICE | SCDA | SQ. CEILING SUPPLY DIFFUSER, ADJUSTABLE, 3-CONE | 6" DIA | 12" X12" | 100 | 0.06" | 18 | 4-WAY | |
| S-11 | PRICE | SCDA | SQ. CEILING SUPPLY DIFFUSER, ADJUSTABLE, 4-CONE | 6" DIA | 24" X 24" | 100 | 0.06" | 16 | 4-WAY | |
| S-12 | PRICE | SCDA | SQ. CEILING SUPPLY DIFFUSER, ADJUSTABLE, 4-CONE | 8" DIA | 24" X 24" | 240 | 0.07" | 17 | 4-WAY | |
| | DDIOE | 520 | | | | 40 | 0.05" | 20 | | |
| R-1 | PRICE | 530 | STEEL RETURN, 3/4 SPACING, 45 DEG VANES | 0 X 0 | 1.15" X 1.15" | 40 | 0.05 | 20 | | |
| R-2 | PRICE | 530 | STEEL RETURN, 3/4 SPACING, 45 DEG VANES | 8 X 8 40" X 40" | 9.75 X 9.75 | 130 | 0.05 | 20 | | |
| R-3 | PRICE | 530 | STEEL RETURN, 3/4 SPACING, 45 DEG VANES | 10" X 10" | 11.75" X 11.75" | 220 | 0.05 | 20 | | |
| R-4 | | 530 | STEEL RETURN, 3/4 SPACING, 45 DEG VANES | | 13.75" X 13.75" | 360 | 0.05" | 20 | | |
| R-5 | PRICE | 530D | STEEL RETURN, 3/4 SPACING, 45 DEG VANES, W/DAMPER | 0 X 0 | 1.15" X 1.15" | 40 | 0.05 | 20 | | |
| | | 5300 | STEEL RETURN, 3/4 SPACING, 45 DEG VANES, W/DAMPER | | 9.10 A 9.10 | 150 | 0.05 | 20 | | |
| | | 5300 | STEEL RETURN, 3/4 SPACING, 45 DEG VANES, W/DAMPER | | 11.15 X 5.15" | 100 | 0.05" | 20 | | |
| | | 530D | STEEL RETURN, 3/4 SPACING, 45 DEG VANES, W/DAMPER | | 11.75 X 11.75 | 220 | 0.05" | 20 | | |
| K-9 | | 530D | STEEL RETURN, 3/4 SPACING, 45 DEG VANES, W/DAMPER | | 13.15 X 9.15 | 240 | 0.05 | 20 | | |
| K-10 | | 530D | STEEL RETURN, 3/4" SPACING, 45 DEG VANES, W/DAMPER | 16" X 10" | 17.75" X 11.75" | 360 | 0.05" | 20 | | |

5

| HYDRONIC PIPE SIZE | RUNOUT SCHEDULE |
|--------------------|-----------------|
| PIPE SIZE | MAX GPM |
| 1/2" | 1 |
| 3/4" | 3 |
| 1" | 6 |
| 1-1/4" | 11 |
| 1-1/2" | 18 |
| 2" | 38 |
| 2-1/2" | 65 |
| 3" | 100 |
| 4" | 230 |
| 5" | 410 |
| 6" | 700 |

4

4

| | | | | | VARIABL | E REFRIGER | | LOW (VF | rf) - Ou | TDOOR | UNIT PE | RFOR | MAN | CE SCI | HEDULE | Ξ | | | |
|------------|--|----------------|-----------------|------------------|--------------------|-------------------------|-----------|---------|----------|---------|-------------|---------------|------|--------|-------------|----------|----------------|--------|----------|
| | | NOMINA | AL BTUH | CORREC | TED BTUH | MAXIMUM | COOLI | NG EFF. | HEATIN | IG EFF. | ELECT | FRICAL | REQU | JIREME | NTS | DI | MENSION | ٩S | |
| CU SIZE | TONNAGE | COOLING | HEATING | COOLING TOTAL | HEATING MINIMUM | CONNECTED CAPACITY | EER | SEER | COP | HSPF | V / PH / HZ | MCA | RFS | MOCP | DISC. BY | H (IN) | W (IN) | D (IN) | |
| А | 3 | 36,000 | 36,000 | 33,300 | 34,250 | 130% | 13.80 | 20.65 | 3.85 | 12.10 | 208/1/60 | 36 | 40 | 40 | DIV 26 | 52-11/16 | 41-11/32 | 13 | NTXMSH36 |
| В | 4 | 48,000 | 54,000 | 43,450 | 40,000 | 130% | 12.20 | 19.75 | 3.65 | 11.50 | 208/1/60 | 36 | 40 | 40 | DIV 26 | 52-11/16 | 41-11/32 | 13 | NTXMSH36 |
| С | 2 | 22,000 | 25,000 | 21,500 | 20,950 | 100% | 19.00 | 19.00 | 0.00 | 10.00 | 208/1/60 | 31 | 40 | 40 | DIV 26 | 41-9/32 | 37-13/32 | 13 | NTXMPH24 |
| D | | | | | | | | | | | | | | | | | | | |
| NOTES: | DTES: | | | | | | | | | | | | | | | | | | |
| 1. Nomir | Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB) | | | | | | | | | | | | | | | | | | |
| 2. Nomir | Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB) | | | | | | | | | | | | | | | | | | |
| 3. Efficie | Efficiency values for EER, IEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units. | | | | | | | | | | | | | | | | | | |
| 4. Provid | le added field c | harge in addit | tion to factory | charge as nee | ded based upo | n final as-built piping | g layout. | | | | | | | | | | | | |

5. Outdoor design conditions: 86F Summer, -11F Winter. 6. CU size here are assigned to spaces on VRF Outdoor Unit Size Schedule.

7. All units shall be low-temp heating (H2i Hyper-Heat) units. 8. CU size C shall be a Multi-Zone unit w/ three individual refrigerant pipe circuits.

3

1

| | VARIA | BLE REFRIGERANT FLO | W (VF | RF) - OUT | DOOR UN | IIT SIZE S | CHEDULE |
|----------|----------|----------------------------------|---------|--------------|-------------|------------|------------------|
| TAG | | AREAS SERVED | CU | QTY HP ON | | CAPACITY | CORRECT |
| | LOCATION | | SIZE | SYSTEM | COOLING | TILATING | TOTAL |
| CU0 1-1 | GRADE | INT FLR - PH 1 - DORMS | Α | 6 | 36,000 | 36,000 | 33,300 |
| CU0 1-2 | GRADE | INT FLR - PH 1 - DORMS | Α | 5 | 36,000 | 36,000 | 33,300 |
| CU1 1-1 | GRADE | 1st FLR - PH 1 - DORMS | Α | 6 | 36,000 | 36,000 | 33,300 |
| CU1 1-2 | GRADE | 1st FLR - PH 1 - DORMS | A | 6 | 36,000 | 36,000 | 33,300 |
| CU1 4-1 | GRADE | 1st FLR - PH 4 - APARTMENT | С | 3 | 22,000 | 25,000 | 21,500 |
| CU1 4-2 | GRADE | 1st FLR - PH 4 - HEALTH SERVICES | A | 5 | 36,000 | 36,000 | 33,300 |
| | | SYSTEMS LISTED AB | OVE THI | S LINE ARE I | BID ALTERNA | TE #3 | 1 |
| CU2 1-1 | ROOF | 2nd FLR - PH 1 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU2 1-2 | ROOF | 2nd FLR - PH 1 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU2 1-3 | ROOF | 2nd FLR - PH 1 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU2 2-1 | ROOF | 2nd FLR - PH 2 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU2 2-2 | ROOF | 2nd FLR - PH 2 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU2 2-3 | ROOF | 2nd FLR - PH 2 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU2 3-1 | ROOF | 2nd FLR - PH 3 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU2 3-2 | ROOF | 2nd FLR - PH 3 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU2 3-3 | ROOF | 2nd FLR - PH 3 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU2 4-1 | ROOF | 2nd FLR - PH 4 - DORMS | A | 6 | 36,000 | 36,000 | 33,300 |
| CU2 4-2 | ROOF | 2nd FLR - PH 4 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU2 4-3 | ROOF | 2nd FLR - PH 4 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU3 1-1 | ROOF | 3rd FLR - PH 1 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU3 1-2 | ROOF | 3rd FLR - PH 1 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU3 1-3 | ROOF | 3rd FLR - PH 1 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU3 2-1 | ROOF | 3rd FLR - PH 2 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU3 2-2 | ROOF | 3rd FLR - PH 2 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU3 2-3 | ROOF | 3rd FLR - PH 2 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU3 3-1 | ROOF | 3rd FLR - PH 3 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU3 3-2 | ROOF | 3rd FLR - PH 3 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU3 3-3 | ROOF | 3rd FLR - PH 3 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU3 4-1 | ROOF | 3rd FLR - PH 4 - DORMS | А | 6 | 36,000 | 36,000 | 33,300 |
| CU3 4-2 | ROOF | 3rd FLR - PH 4 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU3 4-3 | ROOF | 3rd FLR - PH 4 - DORMS | В | 8 | 48,000 | 54,000 | 43,450 |
| CU4 1-1 | ROOF | 4th FLR - PH 1 - DORMS | B | 8 | 48 000 | 54 000 | 43 450 |
| CLI4 1-2 | ROOF | 4th FLR - PH 1 - DORMS | B | 8 | 48,000 | 54,000 | 43,450 |
| CLI4 1-3 | ROOF | 4th FLR - PH 1 - DORMS | B | 8 | 48,000 | 54,000 | 43,450 |
| CLI4 2-1 | ROOF | Ath FLR - PH 2 - DORMS | B | 8 | 48,000 | 54,000 | 43,450 |
| | ROOF | Ath FLR - PH 2 - DORMS | B | 8 | 48,000 | 54,000 | 43,450 |
| | ROOF | 4th FLR - PH 2 - DORMS | B | 8 | 48,000 | 54,000 | 43,450 |
| | ROOF | 4th FLR - PH 3 - DORMS | B | 8 | 48,000 | 54,000 | 43,450 |
| | ROOF | 4th FLR - PH 3 - DORMS | B | 8 | 48,000 | 54,000 | 43,450 |
| CI1/ 2 2 | | | R | Q Q | 48,000 | 54,000 | 43,450 |
| | | | | 6 | 36,000 | 36,000 | 40,400 |
| | | | A D | 0 | 48,000 | 54,000 | 33,300 12 150 |
| | | | | Q | 40,000 | 54,000 | 40,400 |
| VV14 4-0 | I ROUF | | D | 0 | 40,000 | 54,000 | 43,430 |

| MARE-UP AIR UNIT SCHEDULE (238219) | | | | | | | |
|------------------------------------|------------------------|-------------------|--|--|--|--|--|
| GENERAL | TAG | MUA-1-21 | | | | | |
| | SERVES | LAUNDRY MUA, PH | | | | | |
| | LOCATION | FIRST FLOOR (| | | | | |
| | TYPE | BLOWER COIL U | | | | | |
| | MFR | TRANE | | | | | |
| | MODEL | BCHE054 | | | | | |
| FILTER SECTION | FILTERS (OA) | MERV 8 | | | | | |
| SUPPLY AIR FAN | TYPE | ODP, BI | | | | | |
| | AIRFLOW (cfm) | 1,500 | | | | | |
| | ESP, in.wc. | 1.0 | | | | | |
| | MOTOR TYPE | ECM - VARIABLE SF | | | | | |
| | FAN HP | (1) 1HP | | | | | |
| OVERALL DIMENSIONS | LENGTH | 35.8" | | | | | |
| | WIDTH | 46.0" | | | | | |
| | HEIGHT | 18.0" | | | | | |
| | OPERATING WEIGHT, lbs. | 210 | | | | | |
| HEATING COIL | HYDRONIC COIL TAG | INTEGRAL TO UN | | | | | |
| | EAT, deg-F. | -10 | | | | | |
| | LAT, deg-F. | 75 | | | | | |
| | ТМВТИН | 137.7 | | | | | |
| | MIN COIL AREA, sf. | 3.7 | | | | | |
| | MAX AIR PD. in. wc. | 0.1 | | | | | |
| | COIL FACE VELOCITY | 406 | | | | | |
| | FLUID | 40% P.G. | | | | | |
| | EWT (F) | 180 | | | | | |
| | LWT (F) | 150 | | | | | |
| | FLOW RATE (GPM) | 9.2 | | | | | |
| | WPD (FTHD) | 3.0 | | | | | |
| ELECTRICAL DATA | V-PH-HZ | 208-3-60 | | | | | |
| | UNIT MCA | 5.8 | | | | | |
| | MOPD / MOCP | 15 | | | | | |
| | SMOKE DETECTORS | NONE | | | | | |
| NOTES: | | | | | | | |

1

1. PROVIDE DISCONNECT SWITCH.

| - | | |
|--|--|---|
| TING PAD-MOUNTED TRANSFORMER AND SECONDARY CONDUCTORS 3. TRANSFORMER VAULT SHALL REMAIN AND BECOME USED AS A XISTING PRIMARY DUCT BANK AND EXTEND AND RE-ROUTE TO NEW 0 TRANSFORMER. MATCH EXISTING CONDUIT SIZE, ARRANGEMENT, YPE. TION OF EXISTING UNDERGROUND PRIMARY DUCT BANK. XISTING BRANCH CIRCUIT WIRING SERVING SITE LIGHTING POLES AND NECESSARY TO ACCOMMODATE NEW SITE GRADING. MATCH IDUIT SIZE, ARRANGEMENT, AND CABLE TYPE. TION OF EXISTING SITE LIGHTING BRANCH CIRCUIT. Y LIGHT POLE BASE IN SAME LOCATION AS EXISTING LIGHT POLE BASE YED TO ACCOMMODATE NEW SITE GRADING. RE-MOUNT AND RE-WIRE IT POLE TO NEW BASE. 3H- WALL MOUNT 30" AFG, MINIMUM AND COORDINATE EXACT FACILITATE CONNECTION OF TEMPORARY GENERATOR CABLES. | A PRIMARY ELEC - MATCH EXIST B BUILDING NOR - SEE RISER DI C BUILDING STAL - SEE RISER DI D FIRE PUMP NO - SEE RISER DI F FIRE PUMP ST - SEE RISER DI F FIRE PUMP ST - SEE RISER DI G GENERATOR S - (1) 1"C FOR G - (1) 1"C FOR G SITE LIGHTING - MATCH EXIST | CTRIC TING CONDUIT SIZES AND ARRANGEMENT AND CABLE TYPE RMAL POWER SERVICE ENTRANCE IAGRAM NDBY POWER FEEDER IAGRAM ORMAL POWER FEEDER IAGRAM ANDBY POWER FEEDER IAGRAM SUPPORT CONDUITS SENERATOR JACKET WATER HEATER AND STRIP HEATER - WIRE AND CONNECT ⁻ ING PANEL EB1 SENERATOR BATTERY CHARGER - WIRE AND CONNECT TO (1) NEW 1P-20A CB IN SENERATOR BATTERY CHARGER - WIRE AND CONNECT TO (1) NEW 1P-20A CB IN SENERATOR REMOTE ANNUNCIATOR SENERATOR REMOTE ANNUNCIATOR SENERATOR REMOTE EMERGENCY STOP E FINAL WIRING SIZE AND QUANTITY WITH APPROVED SUBMITTAL, MANUFACTUR SENERATOR REACH ACCESSORY ITEM OR UNIT COMPONENT B CONDUIT TING CONDUIT AND WIRE SIZE |
| KEYNOTES | E1 | CONDUIT KEYNOTES |
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1/8" = 1'-0"

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| LIGHTING BID ALTERNATE NOTES: |
| ALTERNATE 1- DORM ROOM AND DORM BATHROOM LIGHT FIXTURES a. BASE BID: EXISTING LIGHT FIXTURES IN DORM ROOMS AND DORM BATHROOMS TO REMAIN OR BE REMOVED b. ALTERNATE: EXISTING LIGHT FIXTURES IN DORM ROOMS AND DORM BATHROOMS TO BE REPLACED WITH N |
| ALTERNATE 2- COMMON AREA LIGHT FIXTURES (CORRIDOR, OFFICE, STAIR, LAUNDRY, STORAGE, UTILITY, ETC.) a. BASE BID: EXISTING LIGHT FIXTURES IN COMMON AREAS TO REMAIN OR BE REMOVED AND RE-INSTALLED A |
| b. ALTERNATE: EXISTING LIGHT FIXTURES IN COMMON AREAS TO BE REMOVED AND REPLACED WITH NEW LED INCLUDES BI-LEVEL LIGHTING CONTROL FOR CORRIDOR AND STAIRS VIA OCCUPANCY SENSORS SHOWN, AL LIGHTING CENTRAL INVERTERS IN LIEU OF EBU'S. |
| |
| A4 PHASE 1 INTERMEDIATE FLOOR LIGHTING RCP |

1/8" = 1'-0"

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D AND RE-INSTALLED AS NECESSARY. IEW LED FIXTURES SHOWN.

S NECESSARY. D FIXTURES AS SHOWN. THIS ONG WITH EMERGENCY EGRESS GENERAL PHASING NOTE:

THIS PROJECT IS SCHEDULED TO BE COMPLETED IN MULTIPLE PHASES. THE OWNER WILL OCCUPY ALL PORTIONS OF THE BUILDING THAT ARE NOT ACTIVELY UNDER CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SERVICES TO ALL PARTS OF THE BUILDING NOT ACTIVELY UNDER CONSTRUCTION. SEE A2 / MEP000 FOR AN EXAMPLE STRATEGY TO MAINTAIN SERVICE TO OCCUPIED AREAS. INTERRUPTIONS IN SERVICE TO OCCUPIED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL BE STRICTLY COORDINATED WITH MAINE MARITIME ACADEMY. SEE SHEET MEP000 FOR ADDITIONAL INFORMATION AND PHASING NOTES.

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| 1 . D1 | KEYNOTES- LIGHTING REMOVALS |
|---|---|
| LIGHTING CONTRO 1. UNLESS NO CIRCUITING 2. IN STAIRWE RAISE TO 10 THE STAIRV 3. IN CORRIDO RAISE TO 10 THE INDICA | L GENERAL NOTES: TED OTHERWISE, LIGHTING SHALL BE CONNECTED TO EX AND CONTROLS. LLS, LIGHTING SHALL BE CONTINUOUSLY ON AT 50% OUT 00% OUTPUT UPON ACTIVATION OF ANY OCCUPANCY SEN VELL. DRS, LIGHTING SHALL BE CONTINUOUSLY ON AT 50% OUT 00% OUTPUT UPON ACTIVATION OF ANY OCCUPANCY SEN TED SWITCH GROUP. |
| | |
| | |
| 1TYPICAL DORM2TYPICAL SMALL3TYPICAL SHARE4TYPICAL LAUNE5TYPICAL SMALL5TYPICAL SMALL600. | ROOM. REFER TO DETAIL D6 ON SHEET E400. . DORM RESTROOM. REFER TO DETAIL D3 ON SHEET E400 ED DORM BATH, TYPE A. REFER TO DETAIL D4 ON SHEET I DRY ROOM. REFER TO DETAIL C6 ON SHEET E400. . STORAGE ROOM OR CLOSET. REFER TO DETAIL C5 ON S |
| CENTRAL INVEI ALL EMERGENC PHASE. TYPICAL SMALL | RTER TO BE LOCATED IN THIS ROOM. THIS INVERTER SHA Y LIGHTS ON THIS FLOOR WITHIN THE BOUNDARIES OF T RESTROOM. REFER TO DETAIL D5 ON SHEET E400. |
| PROVIDE THIS ALTERNATES. TYPICAL SHARE | EBU AND/OR REMOTE HEAD UNDER BASE BID AND ALL |
| A1 | KEYNOTES- NEW LIGHTING |
| | |

THIS PROJECT IS SCHEDULED TO BE COMPLETED IN MULTIPLE PHASES. THE OWNER WILL OCCUPY ALL PORTIONS OF THE BUILDING THAT ARE NOT ACTIVELY UNDER CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SERVICES TO ALL PARTS OF THE BUILDING NOT ACTIVELY UNDER CONSTRUCTION. SEE A2 / MEP000 FOR AN EXAMPLE STRATEGY TO MAINTAIN SERVICE TO OCCUPIED AREAS. INTERRUPTIONS IN SERVICE TO OCCUPIED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL BE STRICTLY COORDINATED WITH MAINE MARITIME ACADEMY.

2 TRUE NORTH

1/8" = 1'-0"

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|---|--|--|---|
| LIGHTING BI ALTERNATE | | TEXTURES | |
| LIGHTING BI ALTERNATE a b ALTERNATE a b | BID ALTERNATE NOTES: E 1- DORM ROOM AND DORM BATHROOM LIGH a. BASE BID: EXISTING LIGHT FIXTURES IN D b. ALTERNATE: EXISTING LIGHT FIXTURES I E 2- COMMON AREA LIGHT FIXTURES (CORRID a. BASE BID: EXISTING LIGHT FIXTURES IN C b. ALTERNATE: EXISTING LIGHT FIXTURES I INCLUDES BI-LEVEL LIGHTING CONTROL F LIGHTING CENTRAL INVERTERS IN LIEU O | IT FIXTURES DORM ROOMS AND DORM BATHRO N DORM ROOMS AND DORM BATH DOR, OFFICE, STAIR, LAUNDRY, STO COMMON AREAS TO REMAIN OR BE N COMMON AREAS TO BE REMOVE OR CORRIDOR AND STAIRS VIA O F EBU'S. | OMS TO REMAIN OR BE REMOVE ROOMS TO BE REPLACED WITH N ORAGE, UTILITY, ETC.) E REMOVED AND RE-INSTALLED / D AND REPLACED WITH NEW LE CCUPANCY SENSORS SHOWN, A |
| A4 1/8" = 1'-0" | PHASE 1 SECOND FLOOR L | IGHTING RCP | |

| | 1 | |
|---------------------|---|--|
| | | KEYNOTES LIGHTING REMOVALS |
| | | |
| LIG | UNLESS NO CIRCUITINO IN STAIRW RAISE TO THE STAIR IN CORRID RAISE TO | DL GENERAL NOTES: DTED OTHERWISE, LIGHTING SHALL BE CONNECTED TO G AND CONTROLS. ELLS, LIGHTING SHALL BE CONTINUOUSLY ON AT 50% 100% OUTPUT UPON ACTIVATION OF ANY OCCUPANCY WELL. ORS, LIGHTING SHALL BE CONTINUOUSLY ON AT 50% (100% OUTPUT UPON ACTIVATION OF ANY OCCUPANCY |
| | THE INDIC/ | ATED SWITCH GROUP. |
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| | | |
| | | A ROOM. REFER TO DETAIL D6 ON SHEET E400. |
| | TYPICAL DORI TYPICAL SMAL TYPICAL SMAL TYPICAL SHAF TYPICAL LAUN | M ROOM. REFER TO DETAIL D6 ON SHEET E400. L DORM RESTROOM. REFER TO DETAIL D3 ON SHEET RED DORM BATH, TYPE A. REFER TO DETAIL D4 ON SHE IDRY ROOM. REFER TO DETAIL C6 ON SHEET E400. |
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GENERAL PHASING NOTE:

THIS PROJECT IS SCHEDULED TO BE COMPLETED IN MULTIPLE PHASES. THE OWNER WILL OCCUPY ALL PORTIONS OF THE BUILDING THAT ARE NOT ACTIVELY UNDER CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SERVICES TO ALL PARTS OF THE BUILDING NOT ACTIVELY UNDER CONSTRUCTION. SEE A2 / MEP000 FOR AN EXAMPLE STRATEGY TO MAINTAIN SERVICE TO OCCUPIED AREAS. INTERRUPTIONS IN SERVICE TO OCCUPIED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL BE STRICTLY COORDINATED WITH MAINE MARITIME ACADEMY. SEE SHEET MEP000 FOR ADDITIONAL INFORMATION AND PHASING NOTES.

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| b. ALTERNATE 2- a. b. b. 1/8" = 1'-0" | ALTERINATE: EXISTING LIC - COMMON AREA LIGHT FIX BASE BID: EXISTING LIGH ALTERNATE: EXISTING LIC INCLUDES BI-LEVEL LIGHT LIGHTING CENTRAL INVER | TURES (CORRIDOR, OFF T FIXTURES IN COMMON GHT FIXTURES IN COMMON GHT FIXTURES IN COMM TING CONTROL FOR COR RTERS IN LIEU OF EBU'S. | FICE, STAIR, LAUNDRY, S N AREAS TO REMAIN OR ION AREAS TO BE REMO RRIDOR AND STAIRS VIA | TROUMS TO BE R STORAGE, UTILITY, BE REMOVED AND VED AND REPLACE OCCUPANCY SEN | EPLACED WITH N ETC.) RE-INSTALLED / ED WITH NEW LE SORS SHOWN, A |
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| LIGHTING BID ALTERNATE NOTES: |
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PHASE 3 THIRD FLOOR

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PHASE 4 GROUND FLOOR LIGHTING RCP

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| | | LIGHTING CONTROL 1. UNLESS NO CIRCUITING 2. IN STAIRWE RAISE TO 10 THE STAIRW 3. IN CORRIDO RAISE TO 10 THE INDICA | L GENERAL NOTES: TED OTHERWISE, LIGH AND CONTROLS. LLS, LIGHTING SHALL I 00% OUTPUT UPON AC VELL. PRS, LIGHTING SHALL E 00% OUTPUT UPON AC TED SWITCH GROUP. | ITING SHALL BE CONN BE CONTINUOUSLY ON TIVATION OF ANY OCC BE CONTINUOUSLY ON TIVATION OF ANY OCC | ECTED TO E I AT 50% OU UPANCY SE AT 50% OU UPANCY SE |
| | | TYPICAL DORM TYPICAL SMALL TYPICAL SMALL TYPICAL SHARE TYPICAL LAUNE TYPICAL SMALL CENTRAL INVER ALL EMERGENC PHASE. TYPICAL SMALL PROVIDE THIS F ALTERNATES. TYPICAL SHARE TYPICAL SHARE | ROOM. REFER TO DET DORM RESTROOM. RI DORM BATH, TYPE / ORY ROOM. REFER TO STORAGE ROOM OR OR RTER TO BE LOCATED CY LIGHTS ON THIS FLO RESTROOM. REFER T EBU AND/OR REMOTE DORM BATH, TYPE I KEYNOTES- N | FAIL D6 ON SHEET E400 EFER TO DETAIL D3 ON A. REFER TO DETAIL D DETAIL C6 ON SHEET F CLOSET. REFER TO DE IN THIS ROOM. THIS IN DOR WITHIN THE BOUN TO DETAIL D5 ON SHEE HEAD UNDER BASE BID B. REFER TO DETAIL C CURRENT ON DETAIL C |). I SHEET E4(4 ON SHEET E400. TAIL C5 ON IVERTER SH JDARIES OF T E400. D AND ALL 4 ON SHEET |
| GENERAL PHASING NO THIS PROJECT IS SCHEDULED TO E ALL PORTIONS OF THE BUILDING TH RESPONSIBILITY OF THE CONTRACT NOT ACTIVELY UNDER CONSTRUCT MAINTAIN SERVICE TO OCCUPIED A BE KEPT TO A MINIMUM AND SHALL SEE SHEET MEP000 FOR ADDITIONA | TE: BE COMPLETED IN MULTI HAT ARE NOT ACTIVELY TOR TO MAINTAIN SERV TION. SEE A2 / MEP000 FO AREAS. INTERRUPTIONS BE STRICTLY COORDIN AL INFORMATION AND PI | PLE PHASES. THE OW UNDER CONSTRUCTIO ICES TO ALL PARTS O OR AN EXAMPLE STRA IN SERVICE TO OCCU ATED WITH MAINE MA HASING NOTES. | NER WILL OCCUPY DN. IT IS THE F THE BUILDING TEGY TO PIED AREAS SHALL RITIME ACADEMY. | N PLAN NORTH | TRUE |





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| | D1 | KEYNOTES- LIGHTING REMOVALS |
| | | DI GENERAL NOTES [.] |
| | 1. UNLESS NO CIRCUITING 2. IN STAIRWE | OTED OTHERWISE, LIGHTING SHALL BE CONNECTED TO G AND CONTROLS. ELLS, LIGHTING SHALL BE CONTINUOUSLY ON AT 50% OU |
| | 3. IN CORRIDC RAISE TO 10 THE STAIRW 3. IN CORRIDC RAISE TO 10 THE INDICA | 00% OUTPUT UPON ACTIVATION OF ANY OCCUPANCY SI WELL. DRS, LIGHTING SHALL BE CONTINUOUSLY ON AT 50% OL 00% OUTPUT UPON ACTIVATION OF ANY OCCUPANCY SI TED SWITCH GROUP. |
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| EL103.1 | | |
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| | TYPICAL DORM 2 TYPICAL SMALL | 1 ROOM. REFER TO DETAIL D6 ON SHEET E400. L DORM RESTROOM. REFER TO DETAIL D3 ON SHEET E4 |
| | $\begin{array}{ c c c }\hline & & \\\hline \\ & & \\\hline & & \\\hline \\ \hline \\ $ | ED DORM BATH, TYPE A. REFER TO DETAIL D4 ON SHEE DRY ROOM. REFER TO DETAIL C6 ON SHEET E400. |
| | 5 TYPICAL SMALL E400. 6 CENTRAL INVE | L STORAGE ROOM OR CLOSET. REFER TO DETAIL C5 ON RTER TO BE LOCATED IN THIS ROOM. THIS INVERTER SI |
| | ALL EMERGENO PHASE. 7 TYPICAL SMALL | CY LIGHTS ON THIS FLOOR WITHIN THE BOUNDARIES OF L RESTROOM. REFER TO DETAIL D5 ON SHEET E400. |
| | 8 PROVIDE THIS I ALTERNATES. | EBU AND/OR REMOTE HEAD UNDER BASE BID AND ALL |
| | $\langle 9 \rangle$ TYPICAL SHARF | ED DORM BATH, TYPE B. REFER TO DETAIL C4 ON SHFF |
| | 9 TYPICAL SHARE | ED DORM BATH, TYPE B. REFER TO DETAIL C4 ON SHEE |
| | 9 TYPICAL SHARE A1 | ED DORM BATH, TYPE B. REFER TO DETAIL C4 ON SHEE |
| GENERAL PHASING NOTE: | 9 TYPICAL SHARI A1 | ED DORM BATH, TYPE B. REFER TO DETAIL C4 ON SHEE |

MAINTAIN SERVICE TO OCCUPIED AREAS. INTERRUPTIONS IN SERVICE TO OCCUPIED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL BE STRICTLY COORDINATED WITH MAINE MARITIME ACADEMY. SEE SHEET MEP000 FOR ADDITIONAL INFORMATION AND PHASING NOTES.

PLAN NORTH





PHASE 4 SECOND FLOOR LIGHTING RCP

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| BDRM 202 1 (E) (E) (E) (E) (E) (E) (E) (E) (E) (E) | | | | | |
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| | | 1 . D1 LIGHTING CONTROL 1. UNLESS NO | KEYNOTES- LI DL GENERAL NOTES: DTED OTHERWISE, LIGF | GHTING REMO | VALS ECTED TO |
| BATH 202 1 R3 BDRM 201 1 BDRM 201 1 A4/ EL103.2 | | CIRCUITING 2. IN STAIRWE RAISE TO 1 THE STAIRV 3. IN CORRIDO RAISE TO 1 THE INDICA | 3 AND CONTROLS. ELLS, LIGHTING SHALL I 00% OUTPUT UPON AC VELL. DRS, LIGHTING SHALL E 00% OUTPUT UPON AC .TED SWITCH GROUP. | 3E CONTINUOUSLY ON TIVATION OF ANY OCC E CONTINUOUSLY ON TIVATION OF ANY OCC | AT 50% OU UPANCY SI AT 50% OU UPANCY SI |
| | | 1 TYPICAL DORM 2 TYPICAL SMALL 3 TYPICAL SHAR 4 TYPICAL SMALL 5 TYPICAL SMALL 5 TYPICAL SMALL 6 CENTRAL INVE 7 TYPICAL SMALL 8 PROVIDE THIS 9 TYPICAL SHAR 4 TYPICAL SMALL 8 PROVIDE THIS 9 TYPICAL SHAR 4 A1 | I ROOM. REFER TO DET L DORM RESTROOM. RE ED DORM BATH, TYPE / DRY ROOM. REFER TO L STORAGE ROOM OR (RTER TO BE LOCATED CY LIGHTS ON THIS FLO L RESTROOM. REFER T EBU AND/OR REMOTE I ED DORM BATH, TYPE I KEYNOTES- N | AIL D6 ON SHEET E400 EFER TO DETAIL D3 ON A. REFER TO DETAIL D4 DETAIL C6 ON SHEET E CLOSET. REFER TO DE IN THIS ROOM. THIS IN OR WITHIN THE BOUN TO DETAIL D5 ON SHEE HEAD UNDER BASE BIE B. REFER TO DETAIL C EW LIGHTING |). I SHEET E4 4 ON SHEET E400. TAIL C5 ON IVERTER SI IDARIES OF T E400.) AND ALL 4 ON SHEET 4 ON SHEET |
| | GENERAL PHASING NOTE: THIS PROJECT IS SCHEDULED TO BE COMPLETED IN MUL ALL PORTIONS OF THE BUILDING THAT ARE NOT ACTIVEL RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SEI NOT ACTIVELY UNDER CONSTRUCTION. SEE A2 / MEP000 MAINTAIN SERVICE TO OCCUPIED AREAS. INTERRUPTION BE KEPT TO A MINIMUM AND SHALL BE STRICTLY COORD SEE SHEET MEP000 FOR ADDITIONAL INFORMATION AND | LTIPLE PHASES. THE OW LY UNDER CONSTRUCTI RVICES TO ALL PARTS C FOR AN EXAMPLE STRA NS IN SERVICE TO OCCU DINATED WITH MAINE MA PHASING NOTES. | VNER WILL OCCUPY ON. IT IS THE)F THE BUILDING ATEGY TO JPIED AREAS SHALL ARITIME ACADEMY. | N PLAN NORTH | TRUE |





PHASE 4 THIRD FLOOR LIGHTING RCP

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| BDRM 301: 1 3/ EL103.3 | | |
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| | 1 . D1 | KEYNOTES- LIGHTING REMOVALS |
| BDRM 302 (1) BDRM 301 (1) VEL103.3 | LIGHTING CONTROL 1. UNLESS NO CIRCUITING 2. IN STAIRWE RAISE TO 10 THE STAIRW 3. IN CORRIDO RAISE TO 10 THE INDICA | L GENERAL NOTES: TED OTHERWISE, LIGHTING SHALL BE CONNECTED TO AND CONTROLS. SLLS, LIGHTING SHALL BE CONTINUOUSLY ON AT 50% OU 20% OUTPUT UPON ACTIVATION OF ANY OCCUPANCY SI VELL. DRS, LIGHTING SHALL BE CONTINUOUSLY ON AT 50% OU 20% OUTPUT UPON ACTIVATION OF ANY OCCUPANCY SI TED SWITCH GROUP. |
| | TYPICAL DORM TYPICAL SMALL TYPICAL SMALL TYPICAL SHARE TYPICAL LAUNE TYPICAL SMALL E400. CENTRAL INVER ALL EMERGENC PHASE. TYPICAL SMALL PROVIDE THIS F ALTERNATES. TYPICAL SHARE | ROOM. REFER TO DETAIL D6 ON SHEET E400. DORM RESTROOM. REFER TO DETAIL D3 ON SHEET E4 ED DORM BATH, TYPE A. REFER TO DETAIL D4 ON SHEET ORY ROOM. REFER TO DETAIL C6 ON SHEET E400. STORAGE ROOM OR CLOSET. REFER TO DETAIL C5 ON RTER TO BE LOCATED IN THIS ROOM. THIS INVERTER SI CY LIGHTS ON THIS FLOOR WITHIN THE BOUNDARIES OF RESTROOM. REFER TO DETAIL D5 ON SHEET E400. EBU AND/OR REMOTE HEAD UNDER BASE BID AND ALL |
| GENERAL PHASING NOTE: THIS PROJECT IS SCHEDULED TO BE COMPLETED IN MULTI ALL PORTIONS OF THE BUILDING THAT ARE NOT ACTIVELY RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SERV NOT ACTIVELY UNDER CONSTRUCTION. SEE A2 / MEP000 FM MAINTAIN SERVICE TO OCCUPIED AREAS. INTERRUPTIONS BE VEDAT TO A MINIMUM DE OTDICTIVICOCODODI | A1 IPLE PHASES. THE OW UNDER CONSTRUCTIO VICES TO ALL PARTS O OR AN EXAMPLE STRA IN SERVICE TO OCCU | NER WILL OCCUPY N.IT IS THE F THE BUILDING TEGY TO PIED AREAS SHALL PI ANI NODTH TDIJE |





A6 PHASE 4 FOU 1/8" = 1'-0"

PHASE 4 FOURTH FLOOR LIGHTING RCP

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| A6/ EL103.4 | | |
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| | D1 | KEYNOTES- LIGHTING REMOVALS |
| | LIGHTING CONTRO | L GENERAL NOTES: TED OTHERWISE, LIGHTING SHALL BE CONNECTED TO |
| | CIRCUITING 2. IN STAIRWE RAISE TO 10 THE STAIRV | GAND CONTROLS. ELLS, LIGHTING SHALL BE CONTINUOUSLY ON AT 50% OU 00% OUTPUT UPON ACTIVATION OF ANY OCCUPANCY SI VELL. |
| | 3. IN CORRIDC RAISE TO 10 THE INDICA | 00% OUTPUT UPON ACTIVATION OF ANY OCCUPANCY SI TED SWITCH GROUP. |
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| <u>}}}}€£\$\$}}}</u> •4/ EL103.4 | | |
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| | (1) TYPICAL DORM | ROOM. REFER TO DETAIL D6 ON SHEET E400. |
| | $\langle 2 \rangle$ TYPICAL SMALL $\langle 3 \rangle$ TYPICAL SHARE | L DORM RESTROOM. REFER TO DETAIL D3 ON SHEET E4 |
| | $\langle \overline{4} \rangle$ Typical Laune $\langle 5 \rangle$ Typical Small | DRY ROOM. REFER TO DETAIL C6 ON SHEET E400. - STORAGE ROOM OR CLOSET. REFER TO DETAIL C5 ON |
| | E400. CENTRAL INVEI ALL EMERGENCE | RTER TO BE LOCATED IN THIS ROOM. THIS INVERTER SI CY LIGHTS ON THIS FLOOR WITHIN THE BOUNDARIES OF |
| | TYPICAL SMALL | RESTROOM. REFER TO DETAIL D5 ON SHEET E400. |
| | PROVIDE THIS ALTERNATES. TYPICAL SHARE | EBU AND/OR REMOTE HEAD UNDER BASE BID AND ALL |
| | A1 | KEYNOTES- NEW LIGHTING |
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| GENERAL PHASING NOTE: THIS PROJECT IS SCHEDULED TO BE COMPLETED IN MULTI ALL PORTIONS OF THE BUILDING THAT ARE NOT ACTIVELY | IPLE PHASES. THE OW | |
| RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SERV NOT ACTIVELY UNDER CONSTRUCTION. SEE A2 / MEP000 FO MAINTAIN SERVICE TO OCCUPIED AREAS. INTERRUPTIONS | ICES TO ALL PARTS O OR AN EXAMPLE STRA IN SERVICE TO OCCU | NTEGY TO PIED AREAS SHALL |

SEE SHEET MEP000 FOR ADDITIONAL INFORMATION AND PHASING NOTES.





| RS ARE USED TO ESTABLISH A LEVEL | |
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2. FIELD DIMENSION WALL COVE, WALL VALENCE AND WALL SLOT LIGHTING PRIOR TO ORDERING TO ENSURE PROPER FIXTURE LENGTHS. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN LENGTHS SHOWN ON DRAWINGS AND ACTUAL FIELD DIMENSIONS. ADJUST LENGTHS OF ANY

SUSPENDED LIGHT FIXTURES SHALL BE FURNISHED AND INSTALLED COMPLETE WITH STEEL STEM SETS, AND PIECES AND ALIGNERS WITH ALIGNER TYPE CANOPIES AS MANUFACTURED BY RESPECTIVE FIXTURE

4. PENDANT MOUNTING HEIGHTS ARE TO BOTTOM OF FIXTURE.

5. WALL MOUNT FIXTURE HEIGHTS ARE TO CENTERLINE UNLESS LOCATIONS OF WALL MOUNTED LIGHTING WITH ARCHITECT PRIOR TO

PROVIDE TRIM AND MOUNTING ACCESSORIES FOR RECESSED LIGHTING FIXTURES WHICH ARE COMPATIBLE WITH THE TYPE OF CEILING CONSTRUCTION IN WHICH THEY ARE TO BE MOUNTED. REFER

ELECTRIC ROOMS ARE APPROXIMATE. INSTALL LIGHTING TO AVOID

9. PENDANT LINEAR FIXTURES SHALL SATISFY LENGTHS SHOWN

10. PROVIDE WIRE GUARDS WHERE INDICATED ON FLOOR PLANS.

LUMINAIRE SCHEDULE GENERAL NOTES

| STATION: | |
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| -2LB) | |
| STATIONS: | |
| ER (RC-3TLB). PROVIDE | |
| ER SWITCH GROUP | |
| | |

TOGGLE/RAISE/LOWER (RC-3TLB). PROVIDE (1) WALL STATION PER SWITCH GROUP

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| _ | | | | | | | | | | | |
| TYPE | | E DESCRIPTION | | CATALOG SERIES NUMBER - (SEE NOTES 1 AND 2) | MOUNTING | VOLTS | WATTS | DELIVERED | CRI | - TYPE | NOTES |
| | | SURFACE MOUNTED LED - DORM ROOMS | KUZCO | FM3522 | CEILING SURFACE | 120 | 45 | LUMENS 3765 | 80 | LED ARRAY | |
| - | C2 | SURFACE MOUNTED LED WITH INTEGRAL OCCUPANCY SENSOR | | | | 120 | 27 | 2490 | 95 | 3500K LED ARRAY | |
| \sim | ~~~~ | & EMERGENCY BATTERY - STAIRWELLS | | | | 120 | | 3409 | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 3500K LED ARRAY | 9 |
| i L | C3 ~~~ | SURFACE MOUNTED LED - BATHROOMS | | 4-OC1-LED-5000L-DIM10-MVOLI-35K-85 | | 120 | 37 | 4642 | 85 | 3500K | <u>-</u> |
| | | | | | | | | | | | |
| | R1 | 2x2 ARCHITECTURAL TROFFER | ORACLE | 22-OVHP-LED-3400L-DIM10-MVOLT-35K-85 | RECESSED | 120 | 30 | 3771 | 85 | 3500K | |
| | R2 | 2x2 LED FLAT PANEL | ORACLE | 22-FPL1-LED-3000L-DIM010-MVOLT-35K-85 | RECESSED | 120 | 31 | 3632 | 85 | 3500K | |
| | R3 | 4" RECESSED DOWNLIGHT, 60 DEG. (WIDE) DISTRIBUTION | MAXILUME | HH4-LED-1200L-DIM10-35K-HH4-4501-CL WH-WD | RECESSED | 120 | 14 | 1208 | 80 | LED ARRAY 3500K | |
| | R4 | 3" WIDE RECESSED LINEAR, 4' LONG | CORONET | LSR3-4-35-LOW-UNV-DB-*-*-FL | RECESSED | 120 | 20 | 2020 | 90 | LED ARRAY 3500K | |
| | R5 | 2x4 LED FLAT PANEL | ORACLE | 24-FPL1-LED-5000L-DIM010-MVOLT-35K-85 | RECESSED | 120 | 52 | 5877 | 80 | LED ARRAY 3500K | |
| | R6 | 2" PERIMETER FIXTURE | CORONET | PG2-*-35-LOW-UNV-DB-*-*-2"RG | RECESSED | 120 | 5W/ft. | 405 lum/ft. | 80 | LED ARRAY 3500K | 11 |
| | R7 | 6" VANDAL RESISTANT DOWNLIGHT | LITON | DL36RX-L15-T35 | RECESSED | 120 | 14 | 1500 | 80 | LED ARRAY 3500K | |
| | R8 | 1" RECESSED DOWNLIGHT | ELITE | A1R-TL-1102-LED-1000L-MD-35K-90-XX /A1R-LED-15W-DIM10-MVOLT-BP30 | RECESSED | 120 | 14 | 1008 | 90 | LED ARRAY 3500K | |
| | | | | | | | | | | | |
| | S1 | 5" SLIM SURFACE MOUNTED SHOWER LIGHT, NON-CONDUCTIVE | LITON | LCMPD5R-TS35-PC | CEILING SURFACE | 120 | 11 | 919 | 90 | LED ARRAY 3500K | |
| | S2 | 2' LINEAR SURFACE GRID-MOUNTED | DALUME | DCG1-2-9W-35K-UD-XX | CEILING SURFACE | 120 | 18 | 1228 | 80 | LED ARRAY | |
| | S3 | BENDABLE COVE FIXTURE | ACOLYTE | NLSP-4.535 | COVE | 120 | 4.5W/ft. | 277 lum/ft. | 80 | LED ARRAY | 11 |
| | | | | | | | | | | 3500K | |
| - | P1A | DECORATIVE PENDANT | LUXX BOX | LX-IL-L-*-35-UNV | | 120 | 25 | 2066 | 80 | LED ARRAY | |
| - | P1B | DECORATIVE PENDANT | | I X-II -P-*-35-UNV | PENDANT | 120 | 25 | 2066 | 80 | LED ARRAY | |
| | P2 | ENTRY CHANDELIER PENDANT (BRUNI) | KUZCO | CH24755-XX | PENDANT | 120 | 115 | 4650 | 90 | LED ARRAY | |
| - | P3 | | | L S2 LIPDN-*-35-LOW/LOW/LINV/-DB-*-4C-94-FL-9B-FL | 87" AFF PENDANT | 120 | 10W//ft | 535/ft. INDIRECT | 80 | 3000K LED ARRAY | 11 |
| - | | | | | 8'-0" AFF PENDANT | 120 | 20 | 482/ft. DIRECT | 00 | 3500K LED ARRAY | |
| - | P4A | | | | 8'-0" AFF PENDANT | 120 | 30 | 5100 | 00 | 3500K LED ARRAY | |
| _ | P4B | DECORATIVE PENDANT | ARANCIA | P44-21-LN-A-U-U-C5-R7-^- | 8'-0" AFF | 120 | 12 | 1000 | 80 | 3500K | |
| | | | | | | | | | | | |
| | U1 | UTILITY STRIP, 2' LONG | ORACLE | 2-OC1-LED-3000L-DIM10-MVOLT-35K-85 | SURFACE | 120 | 23 | 3176 | 80 | 3500K | |
| | U2 | UTILITY STRIP, 4' LONG | ORACLE | 4-OC1-LED-5000L-DIM10-MVOLT-35K-85 | SURFACE | 120 | 37 | 4642 | 80 | 3500K | |
| | | | | | | | | | | | |
| | W1 | WALL MOUNTED CORNER LINEAR, BATHROOM VANITY | AXIS | ELSC-AR-750-80-35-CLS-* | WALL SUFACE TIGHT TO CEILING | 120 | 30.42 | 3011 | 80 | LED ARRAY 3500K | |
| | W2 | WALL MOUNTED LINEAR, BATHROOM VANITY | AXIS | ELLE-AR-750-80-35-CLS-*-WS-*-DP-FL | WALL SUFACE SEE PLAN | 120 | 30.42 | 3011 | 80 | LED ARRAY 3500K | |
| | m | | | | | | hann | unun | unn | | |
| | EBU | LED EMERGENCY BATTERY LIGHT | TELESIS | TCS-W-L63 | WALL 7'-0" AFF | 120 | - | - | - | LED ARRAY | 10 |
| | X1 | EXIT SIGN WITH BATTERY BACKUP, LESS THAN 8" TALL | TELESIS | TLX-EM-GU-W | WALL OR CEILING SEE PLAN | 120 | - | - | - | LED ARRAY | 4 |
| | ~~~ | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | | | | | | | |
| | INV | 750W CENTRAL INVERTER WITH DIMMING OVERRIDE AND (5) OUTPUT CIRCUIT BREAKERS | EVENLITE | EMS750-C5 | WALL SEE PLAN | 120 | - | - | | - | 10 |
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| | 2 | CATALOG SERIES NUMBERS ARE USED TO ESTABLISH A LEVEL (| OF QUALITY AN | ID NOT INTENDED TO LIMIT COMPETITION. | • | | | | | | |
| | 3 | PROVIDE WALL, CEILING, OR PENDANT MOUNTING AS INDICATED | ORDERING AN ON PLANS. PR | ROVIDE NUMBER OF FACES AND ARROWS AS INDICATED. | | | | | | | |
| | 5 6 | COORDINATE LENGTH WITH CASEWORK & CABINET DETAILS. FINISH TO BE SELECTED BY THE ARCHITECT FROM MANUFACTU | RER'S STANDA | RD OPTIONS. | | | | | | | |
| \mid | 7 8 | PROVIDE REMOTE HEADS WHERE SHOWN ON PLANS. MOUNT 6" BELOW FINISHED CEILING IN AREAS WHERE SCHEDUL | | HEIGHT CANNOT BE ACHIEVED. | | | | | | | |
| | 9 | PROVIDE FIXTURE WITH INTEGRAL OCCPUANCY SENSOR OPTIO | N. FIXTURE SH | ALL OPERATE UNDER NORMAL CONDITIONS AT 50% OUTPUT. UPON MO | TION DETECTION OR FIRE A | ARM OR NOR | MAL POWE | R LOSS, FIXTURE SI | HALL AUT | OMATICALLY BRIGH | ITEN T |
| | 11 | PROVIDE FIXTURE IN LENGTH AND ARRANGEMENT SHOWN ON PLANS. | | | | | | | | | |





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| A4 1/8" = 1'-0" | PHASE 12NTERMEDIATE FLOOR POWER & SYSTEMS PLAN |













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| | (1) EXISTING PANELBOARD TO BE REPLACED IN SAME PL I D1 KEYNOTES- POWER & SYS (1) EXISTING PANELBOARD TO BE REPLACED IN SAME PL INFORMATION (2) EXISTING PANELBOARD TO REMAIN SEE NEW CONDI- DIADRAM ON SHE TESI FOR MORE INFORMATION. (2) EXISTING PANELBOARD TO REMAIN SEE NEW CONDI- DIADRAM ON SHE TESI FOR MORE INFORMATION. (3) EXISTING PANELBOARD TO REMAIN SEE NEW CONDI- DIADRAM ON SHE TESI FOR MORE INFORMATION. (3) EXISTING PANELBOARD TO REMAIN SEE NEW CONDI- DIADRAM ON SHE TESI FOR THO DETAIL DO IN SHE TE (4) KEYNOTES - NEW POWER |
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| BDRM 302 BDRM 301 301 301 | | | | | | |
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| | | 1 . D1 | KEYN | NOTES- POWE | R & SYSTE | MS REI |
| BDRM 302 302 302 302 302 302 302 44/EP103.3 | | A REC PROV MOUN LIGHT THE S AND V DOWN CIRCU PROV DETE "BED ARCH LOW V ALSO RESP | QUIREMENT IDE A JUNCTION ITED DOOR COM 7BUZZER) AND O SYSTEM SHALL BE VIRED BY THE EC N TRANSFORMER JIT SERVING THE IDE AN ADDRESS CTOR IN THE ROO SHAKER" DEVICE ITECT, INSTALLE VOLTAGE STEP D BE EXTENDED FI ECTIVE DORM RO | S FOR ADA A BOX TO BE INSTALL MUNICATION A/V DE NE OUTSIDE FOR A SPECIFIED BY THE SHALL BE EXTENDE RESPECTIVE DORM GABLE CONTROL REI OM FOR PROVISIONS THE SYSTEM SHAL D AND WIRED BY THOWN TRANSFORME ROM THE RECEPTAC | CCESSIBLE ED IN THE ROOM VICE (FLASHING PUSHBUTTON (DC ARCHITECT, INS THE LOW VOLTAG ED FROM THE REC ROOM. AY BASE WITH TH S OF SIGNAL TO L BE SPECIFIED E E EC. THE POWE E EC. THE POWE R FOR THIS DEVIC CLE CIRCUIT SERV | ROOM FOR WALL ORBELL). TALLED E STEP CEPTACLE HE SMOKE ACTIVATE BY THE R FOR THE CE SHALL /ING THE |
| | GENERAL PHASING NOTE: | (1) EXIST CONE INFOR (2) EXIST DIAG (3) TYPIC DEVIC A1 | TING PANELBOAR DITIONS POWER OR RMATION. TING PANELBOAR RAM ON SHEET E CAL DORM ROOM CES. KEYN | D TO BE REPLACED DNELINE DIAGRAM O D TO REMAIN. SEE N 501 FOR MORE INFO . REFER TO DETAIL N NOTES - NEW | IN SAME PLACE. IN SHEET E501 FC NEW CONDITIONS RMATION. D6 ON SHEET E40 POWER & S | SEE NEW DR MORE POWER C 0 FOR FIRE |
| | THIS PROJECT IS SCHEDULED TO BE COMPL ALL PORTIONS OF THE BUILDING THAT ARE RESPONSIBILITY OF THE CONTRACTOR TO M NOT ACTIVELY UNDER CONSTRUCTION. SEE MAINTAIN SERVICE TO OCCUPIED AREAS. IN BE KEPT TO A MINIMUM AND SHALL BE STRIC SEE SHEET MEP000 FOR ADDITIONAL INFOR | ETED IN MULTIPLE PHASES. NOT ACTIVELY UNDER CONS IAINTAIN SERVICES TO ALL I A2 / MEP000 FOR AN EXAMP TERRUPTIONS IN SERVICE T CTLY COORDINATED WITH M MATION AND PHASING NOTE | THE OWNER WIL STRUCTION. IT IS PARTS OF THE BI LE STRATEGY TO O OCCUPIED AR AINE MARITIME A S. | L OCCUPY THE JILDING EAS SHALL CADEMY. | N N N NORTH | TRUE |





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| 6/ EP103.5 | | | | | | |
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| | | | D1 | KEYNUTES-P | UVVER & SYSTE | |
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| 4/ EP103.5 | | | | | | |
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| | | | (1) EXISTING PAN CONDITIONS I INFORMATION | NELBOARD TO BE REP POWER ONELINE DIAG N. | LACED IN SAME PLACE. RAM ON SHEET E501 F | SEE NEW OR MORE |
| | | | 2 EXISTING PAN DIAGRAM ON 3 TYPICAL DOR | NELBOARD TO REMAIN SHEET E501 FOR MOR M ROOM. REFER TO D | . SEE NEW CONDITION E INFORMATION. ETAIL D6 ON SHEET E4 | 3 POWER (00 FOR FIR |
| | | | A1 | KEYNOTES - N | NEW POWER & S | SYSTEN |
| | | | | | | |
| | GENERAL PHASIN | | | | | |
| | ALL PORTIONS OF THE BUI RESPONSIBILITY OF THE CON NOT ACTIVELY UNDER CON MAINTAIN SERVICE TO OCC | LED TO BE COMPLETED IN MULTI LDING THAT ARE NOT ACTIVELY ONTRACTOR TO MAINTAIN SERV ISTRUCTION. SEE A2 / MEP000 FO CUPIED AREAS. INTERRUPTIONS | UNDER CONSTRUCTION UNDER CONSTRUCTION UCES TO ALL PARTS ON OR AN EXAMPLE STRATIN IN SERVICE TO OCCU | ONER WILL OCCUPY ON. IT IS THE F THE BUILDING TEGY TO PIED AREAS SHALL RITIME ACADEMY | | |
| | SEE SHEET MEP000 FOR AL | D SHALL DE STRICTLY COORDIN DDITIONAL INFORMATION AND PI | HASING NOTES. | INT IN A CADEMY. | | |





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| | | 4 | | 3 |
|--------|--------|--|--------|------------------|
| | | | | |
| uuuuu | mmmmmm | | mmmmmm | mmmmmmmm |
| A PLAN | D4 | TYPICAL SHARED DORM BATH TYPE A LIGHTING & FA PLAN | D3 | TYPICAL SMALL DO |
| APLAN | | | | |
| | L | | | |





6

| BRANCH CIRCUITS SCHEDULE | | | | | | |
|---|--|--|--|--|--|--|
| CIRCUIT BREAKER | CONDUCTOR | | | | | |
| 120 OR 277 VOLT, 1 | PH., 2W CIRCUITS | | | | | |
| 15A-1P, 20A-1P | 2#12 & 1#12 GND - 3/4" C. | | | | | |
| 30A-1P | 2#10 & 1#10 GND - 3/4" C. | | | | | |
| 40A-1P | 2#8 & 1#10 GND - 3/4" C. | | | | | |
| 50A-1P | 2#6 & 1#10 GND - 3/4" C. | | | | | |
| 60A-1P | 2#6 & 1#10 GND - 3/4" C. | | | | | |
| 208 OR 480 VOLT, 2 | 1PH., 2W CIRCUITS | | | | | |
| 15A-2P, 20A-2P | 2#12 & 1#12 GND - 3/4" C. | | | | | |
| 30A-2P | 2#10 & 1#10 GND - 3/4" C. | | | | | |
| 40A-2P | 2#8 & 1#10 GND - 3/4" C. | | | | | |
| 50A-2P | 2#6 & 1#10 GND - 3/4" C. | | | | | |
| 60A-2P | 2#6 & 1#10 GND - 3/4" C. | | | | | |
| 208 OR 480 VOLT, 3 | 3PH., 3W CIRCUITS | | | | | |
| 15A-3P, 20A-3P | 3#12 & 1#12 GND - 3/4" C. | | | | | |
| 30A-3P | 3#10 & 1#10 GND - 3/4" C. | | | | | |
| 40A-3P | 3#8 & 1#10 GND - 3/4" C. | | | | | |
| 50A-3P | 3#6 & 1#10 GND - 3/4" C. | | | | | |
| 60A-3P | 3#6 & 1#10 GND - 3/4" C. | | | | | |
| H CIRCUIT SCHEDULE NOTES: | | | | | | |
| MC CABLE SHALL INCLUDE FU CTOR. SIZES AS INDICATED IN | JLL SIZE INSULATED GROUND SCHEDULE. | | | | | |
| IG BASED ON MAXIMUM FEEDER LENGTH OF 150 FEET FOR 120 RCUITS AND 300 FEET FOR 277 VOLT CIRCUITS. | | | | | | |
| ADE WIRE AND CONDUIT SIZE AS REQUIRED TO ADDRESS E DROP. | | | | | | |
| | | | | | | |

| BRANCH CIRCUITS SCHEDULE | | | | | |
|---|--|--|--|--|--|
| CIRCUIT BREAKER | CONDUCTOR | | | | |
| 120 OR 277 VOLT, 1 | PH., 2W CIRCUITS | | | | |
| 15A-1P, 20A-1P | 2#12 & 1#12 GND - 3/4" C. | | | | |
| 30A-1P | 2#10 & 1#10 GND - 3/4" C. | | | | |
| 40A-1P | 2#8 & 1#10 GND - 3/4" C. | | | | |
| 50A-1P | 2#6 & 1#10 GND - 3/4" C. | | | | |
| 60A-1P | 2#6 & 1#10 GND - 3/4" C. | | | | |
| 208 OR 480 VOLT, 1 | 1PH., 2W CIRCUITS | | | | |
| 15A-2P, 20A-2P | 2#12 & 1#12 GND - 3/4" C. | | | | |
| 30A-2P | 2#10 & 1#10 GND - 3/4" C. | | | | |
| 40A-2P | 2#8 & 1#10 GND - 3/4" C. | | | | |
| 50A-2P | 2#6 & 1#10 GND - 3/4" C. | | | | |
| 60A-2P | 2#6 & 1#10 GND - 3/4" C. | | | | |
| 208 OR 480 VOLT, 3 | 3PH., 3W CIRCUITS | | | | |
| 15A-3P, 20A-3P | 3#12 & 1#12 GND - 3/4" C. | | | | |
| 30A-3P | 3#10 & 1#10 GND - 3/4" C. | | | | |
| 40A-3P | 3#8 & 1#10 GND - 3/4" C. | | | | |
| 50A-3P | 3#6 & 1#10 GND - 3/4" C. | | | | |
| 60A-3P | 3#6 & 1#10 GND - 3/4" C. | | | | |
| BRANCH CIRCUIT SCHEDULE NOTES: | | | | | |
| 1. TYPE MC CABLE SHALL INCLUDE FU CONDUCTOR. SIZES AS INDICATED IN | JLL SIZE INSULATED GROUND SCHEDULE. | | | | |
| 2. WIRING BASED ON MAXIMUM FEEDER LENGTH OF 150 FEET FOR 120 VOLT CIRCUITS AND 300 FEET FOR 277 VOLT CIRCUITS. | | | | | |
| 3. UPGRADE WIRE AND CONDUIT SIZE AS REQUIRED TO ADDRESS VOLTAGE DROP. | | | | | |
| | | | | | |

| MAXIMUM LOAD | MAXIMUM LE | ENGTH PER COND | UCTOR SIZE |
|--------------|------------|----------------|------------|
| (VA) | #12 | #10 | #8 |
| | 120 VOLT | CIRCUITS | |
| 800 | 155 | 245 | 390 |
| 1000 | 125 | 195 | 310 |
| 1200 | 105 | 165 | 260 |
| 1400 | 90 | 140 | 220 |
| 1600 | 80 | 125 | 195 |
| 1800 | 70 | 110 | 175 |
| | 277 VOLT | CIRCUITS | |
| 2000 | 330 | 525 | 830 |
| 2500 | 265 | 420 | 665 |
| 3000 | 220 | 350 | 555 |
| 3500 | 190 | 300 | 475 |
| 4000 | 165 | 260 | 415 |

VOLTAGE DROP CHART

| | | | DRY TYPI | E TRANSFORMER SCHEDUL | .E (STEP UP) | | | | | | |
|------|---|---|---|--|------------------------------------|--------------------------|--|--|--|--|--|
| TAG | KVA | 208 VOLT OVERCURRENT | 480 VOLT OVERCURRENT | 208 VOLT FEEDER (DELTA) | 277/480 VOLT FEEDER (WYE) | GROUNDING (NOTE 5) | | | | | |
| TU1 | 9 | 30A-3P | 20A-3P | 3#10 & 1#10GND - 3/4" C. | 4#12 & 1#8GND - 3/4" C | 1#8 - 3/4" C. | | | | | |
| TU2 | 15 | 50A-3P | 30A-3P | 3#6 & 1#10GND - 3/4" C. | 4#10 & 1#8GND - 3/4" C | 1#8 - 3/4" C. | | | | | |
| TU3 | 30 | 100A-3P | 60A-3P | 3#2 & 1#8GND - 1 1/4" C. | 4#6 & 1#8GND - 1 1/4" C | 1#8 - 3/4" C. | | | | | |
| TU4 | 45 | 150A-3P | 80A-3P | 3#1/0 & 1#6GND - 1 1/2" C. | 4#4 & 1#8GND - 1 1/4" C | 1#8 - 3/4" C. | | | | | |
| TU5 | 75 | 250A-3P | 150A-3P | 3#250 KCMIL & 1#4GND - 2 1/2" C | 4#1/0 & 1#6GND - 2" C | 1#6 - 3/4" C. | | | | | |
| TU6 | 112.5 | 400A-3P | 200A-3P | 3#500 KCMIL & 1#3GND - 3 1/2" C | 4#3/0 & 1#4GND - 2" C | 1#4 - 3/4" C. | | | | | |
| TU7 | 150 500A-3P 300A-3P 6#250 KCMIL & 2#2GND - (2) 2 1/2" C 4#350 KCMIL & 1#2GND - 3" C 1#2 - 3/4" C. | | | | | | | | | | |
| TU8 | 225 | 800A-3P | 400A-3P | 6#600 KCMIL & 2#1/0GND - (2) 3 1/2" C | 4#500 KCMIL & 1#1/0GND - 4" C | 1#1/0 - 3/4" C. | | | | | |
| TU9 | 300 | 1000A-3P | 600A-3P | 9#400 KCMIL & 3#2/0GND - (3) 3 1/2" C | 8#350 KCMIL & 2#2/0GND - (2) 3" C | 1#2/0 - 3/4" C. | | | | | |
| TU10 | 500 | 1600A-3P | 900A-3P | 12#600 KCMIL & 4#4/0GND - (4) 4" C | 12#350 KCMIL & 3#2/0GND - (3) 3" C | 1#2/0 - 3/4" C. (NOTE 6) | | | | | |
| | TRANSFO | DRMER SCHEDUL | E NOTES: | | | | | | | | |
| 1 | BOND NEU | TRAL OF TRANSFORM | IER SECONDARY TO | THE TRANSFORMER CASE WITH BONDI | NG JUMPER. | | | | | | |
| 2 | GROUND T ROD IN AC | HE CASING OF THE T CORDANCE WITH N.E | RANSFORMER TO NE .C. 250-50 AND 250-52 | EAREST AVAILABLE EFFECTIVELY GROU 2. | NDED WATER PIPE, STRUCTURAL STEE | L AND/OR DRIVEN GROUND | | | | | |
| 3 | ALL CONDU | JCTOR SIZES ARE FO | R COPPER CONDUCT | TORS PER N.E.C. TABLE 310-16. | | | | | | | |
| 4 | SECONDAF PANELBOA | RY OVERCURRENT PR RD (MAIN BREAKER) | ROTECTION SHALL BE OR AN INDIVIDUALLY | E LOCATED WITHIN TEN (10) FEET OF TH MOUNTED CIRCUIT BREAKER. | E TRANSFORMER SECONDARY TERMIN | ALS EITHER IN A | | | | | |
| 5 | TRANSFOR | MER BONDING JUMP | ER AND GROUNDING | ELECTRODE CONDUCTOR, EXCEPT NO | TED OTHERWISE. | | | | | | |
| 6 | TRANSFOR | MER BONDING JUMP | ER (1) 300 KCMIL. | | | | | | | | |

| | | | DRY TYPE | TRANSFORMER SCHEDULE | E (STEP DOWN) | |
|-----|-------------------------|---|---|---|------------------------------------|--------------------------|
| TAG | KVA | 480 VOLT OVERCURRENT | 208 VOLT OVERCURRENT | 480 VOLT FEEDER (DELTA) | 120/208 VOLT FEEDER (WYE) | GROUNDING (NOTE 5) |
| T1 | 9 | 20A-3P | 30A-3P | 3#12 & 1#12GND - 3/4" C | 4#10 & 1#8GND - 3/4" C. | 1#8 - 3/4" C. |
| T2 | 15 | 30A-3P | 50A-3P | 3#10 & 1#10GND - 3/4" C | 4#6 & 1#8GND - 1" C. | 1#8 - 3/4" C. |
| Т3 | 30 | 60A-3P | 100A-3P | 3#6 & 1#10GND - 1" C | 4#2 & 1#8GND - 1 1/4" C. | 1#8 - 3/4" C. |
| T4 | 45 | 80A-3P | 150A-3P | 3#4 & 1#8GND - 1 1/4" C | 4#1/0 & 1#6GND - 2" C. | 1#6 - 3/4" C. |
| T5 | 75 | 150A-3P | 250A-3P | 3#1/0 & 1#6GND - 1 1/2" C | 4#250 KCMIL & 1#2GND - 3" C | 1#2 - 3/4" C. |
| Т6 | 112.5 | 200A-3P | 400A-3P | 3#3/0 & 1#6GND - 2" C | 4#500 KCMIL & 1#1/0GND - 4" C | 1#1/0 - 3/4" C. |
| Τ7 | 150 | 300A-3P | 500A-3P | 3#350 KCMIL & 1#4GND - 3" C | 8#250 KCMIL & 2#1/0GND - (2) 3" C | 1#1/0 - 3/4" C. |
| Т8 | 225 | 400A-3P | 800A-3P | 3#500 KCMIL & 1#3GND - 3 1/2" C | 8#600 KCMIL & 2#3/0GND - (2) 4" C | 1#3/0 - 3/4" C. |
| Т9 | 300 | 600A-3P | 1000A-3P | 6#350 KCMIL & 2#1GND - (2) 3" C | 12#400 KCMIL & 3#3/0GND - (3) 3" C | 1#3/0 - 3/4" C. |
| T10 | 500 | 900A-3P | 1600A-3P | 9#350 KCMIL & 3#2/0GND - (3) 3" C | 16#600 KCMIL & 4#3/0GND - (4) 4" C | 1#3/0 - 3/4" C. (NOTE 6) |
| | TRANSFO | DRMER SCHEDUL | E NOTES: | | | |
| 1 | BOND NEU | TRAL OF TRANSFORM | IER SECONDARY TO | THE TRANSFORMER CASE WITH BOND | NING JUMPER. | |
| 2 | GROUND TI ROD IN ACC | HE CASING OF THE TI CORDANCE WITH N.E. | RANSFORMER TO NE .C. 250-50 AND 250-53 | EAREST AVAILABLE EFFECTIVELY GROU 2. | JNDED WATER PIPE, STRUCTURAL STEEL | AND/OR DRIVEN GROUND |

3 ALL CONDUCTOR SIZES ARE FOR COPPER CONDUCTORS PER N.E.C. TABLE 310-16. SECONDARY OVERCURRENT PROTECTION SHALL BE LOCATED WITHIN TEN (10) FEET OF THE TRANSFORMER SECONDARY TERMINALS EITHER IN A PANELBOARD (MAIN BREAKER) OR AN INDIVIDUALLY MOUNTED CIRCUIT BREAKER. TRANSFORMER BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR, EXCEPT NOTED OTHERWISE. TRANSFORMER BONDING JUMPER (1) 300 KCMIL. 6

| | THREE PHASE AND SINGLE PHASE CIRCUIT SCHEDULE NOTES |
|----|--|
| 1 | UNLESS OTHERWISE INDICATED, CONDUCTOR SIZING SHALL MATCH THE SIZE INDICATED FOR THE APPLICABLE OVERCURRENT DEVICE. PROVIDE LARGER CONDUCTORS AND RACEWAY WHERE INDICATED. |
| 2 | PROVIDE TYPE AND MINIMUM SIZE OF RACEWAY OR CABLE AS INDICATED IN SPECIFICATION OR ON THE DRAWINGS. |
| 3 | PROVIDE NEUTRAL IN CIRCUIT UNLESS DEVICE SERVED DOES NOT HAVE PROVISIONS FOR A NEUTRAL CONNECTION. |
| 4 | MINIMUM SIZE CONDUIT FOR SCHEDULE 80 OR ENT IS ONE STANDARD ELECTRICAL SIZE LARGER THAN INDICATED IN THE SCHEDULE. PROVIDE LARGER CONDUIT WHERE SPECIFICALLY INDICATED OTHERWISE. DO NOT INSTALL PVC INDOORS. |
| 5 | PROVIDE SEPARATE, INSULATED EQUIPMENT GROUNDING CONDUCTOR WITH EACH FEEDER AND BRANCH CIRCUIT. |
| 6 | PROVIDE ADDITIONAL ISOLATED GROUNDING CONDUCTOR SAME SIZE AS THE EQUIPMENT GROUND. IN CIRCUITS TO ISOLATED GROUND PANELS OR DEVICES, GREEN WITH YELLOW STRIPE. |
| 7 | FOR PANELS WITH 200% NEUTRAL PROVIDE 200% NEUTRAL USING TWO PHASE SIZED CONDUCTORS IF SIZE 1/0 OR LARGER, OTHERWISE PROVIDE (1) 3/0 NEUTRAL. |
| 8 | PROVIDE SEPARATE INDIVIDUAL NEUTRAL FOR ALL CIRCUITS EXCEPT LIGHTING CIRCUITS. PROVIDE A DEDICATED NEUTRAL FOR GFCI AND AFCI CIRCUITS. |
| 9 | CIRCUIT SIZING BASED ON 600 VOLT 90 DEGREE (C) RATED INSULATION. INTERIOR TYPE THHN/THWN OR XHHW-2 (LARGER THAN SIZE #6), FOR EXTERIOR OR BELOW GRADE UTILIZE RHW-2/USE-2 IN CONDUIT ONE SIZE LARGER. SIZING BASED ON 60 DEGREE (C) FOR AMPACITIES 100A OR LESS AND 75 DEGREE (C) AMPACITIES OVER 100A. |
| 10 | FOR SERVICE ENTRANCE CONDUCTORS IT IS NOT REQUIRED TO INSTALL THE GROUNDING CONDUCTOR. THE NEUTRAL CONDUCTOR IS FULL SIZED AND IS BONDED TO THE GROUNDING ELECTRODE CONDUCTOR AT THE TRANSFORMER AND THE SERVICE DISCONNECT. |
| 11 | FOR BATTERY CABLES, INSTALL AND GROUP IN PAIRS (ONE POSITIVE AND ONE NEGATIVE CONDUCTOR). MARK POSITIVE CONDUCTOR WITH (5) OVERLAPPING WRAPS OF RED ELECTRICAL TAPE ON EACH END. |

TECHNOLOGY GENERAL NOTES:

| | | | | FEEDER S | SCHEDU | LE | | | |
|------|-----------------------------|--|---------------------------------|---------------------|--|-----------------------|--|---------------------------------|---------------------|
| TAG | MAXIMUM AMPERE RATING | PHASE AND NEUTRAL CONDUCTORS (NOTE 1) | GROUND CONDUCTOR (NOTE 2) | CONDUIT (NOTE 3) | ONDUIT NOTE 3) TAG AMPERE RATING | | PHASE AND NEUTRAL CONDUCTORS (NOTE 1) | GROUND CONDUCTOR (NOTE 2) | CONDUIT (NOTE 3) |
| 15D | 45 | 3#12 | 1#12 | 3/4" | 400D | 400 | 3#500 KCMIL | 1#3 | 3 1/2" |
| 15Y | 15 | 4#12 | 1#12 | 3/4" | 400Y | 400 | 4#500 KCMIL | 1#3 | 4" |
| 30D | | 3#10 | 1#10 | 3/4" | 450D | 450 | 2 SETS OF 3#250 KCMIL | 2 - #2 | 2 - 2 1/2" |
| 30Y | - 30 | 4#10 | 1#10 | 3/4" | 450Y | 450 | 2 SETS OF 4#250 KCMIL | 2 - #2 | 2 - 3" |
| 50D | 50 | 3#8 | 1#10 | 3/4" | 500D | 500 | 2 SETS OF 3#250 KCMIL | 2 - #2 | 2 - 2 1/2" |
| 50Y | - 50 | 4#8 | 1#10 | 1" | 500Y | - 500 | 2 SETS OF 4#250 KCMIL | 2 - #2 | 2 - 3" |
| 60D | 00 | 3#6 | 1#10 | 3/4" | 600D | 000 | 2 SETS OF 3#350 KCMIL | 2 - #1 | 2 - 3" |
| 60Y | 60 | 4#6 | 1#10 | 1 1/4" | 600Y | 600 | 2 SETS OF 4#350 KCMIL | 2 - #1 | 2 - 3" |
| 80D | 00 | 3#4 | 1#8 | 1 1/4" | 700D | 700 | 2 SETS OF 3#500 KCMIL | 2 - #1/0 | 2 - 3 1/2" |
| 80Y | - 80 | 4#4 | 1#8 | 1 1/4" | 700Y | 700 | 2 SETS OF 4#500 KCMIL | 2 - #1/0 | 2 - 4" |
| 100D | 100 | 3#2 | 1#8 | 1 1/4" | 800D | 000 | 2 SETS OF 3#600 KCMIL | 2 - #1/0 | 2 - 3 1/2" |
| 100Y | 100 | 4#2 | 1#8 | 1 1/4" | 800Y | 800 | 2 SETS OF 4#600 KCMIL | 2 - #1/0 | 2 - 4" |
| 125D | 405 | 3#1 | 1#6 | 1 1/2" | 900D | 000 | 3 SETS OF 3#350 KCMIL | 2 - #2/0 | 3 - 3" |
| 125Y | 125 | 4#1 | 1#6 | 1 1/2" | 900Y | 900 | 3 SETS OF 4#350 KCMIL | 2 - #2/0 | 3 - 3" |
| 150D | 150 | 3#1/0 1#6 1 1/2" 10HD 1000 | | 1000 | 3 SETS OF 3#400 KCMIL | 3 - #2/0 | 3 - 2 1/2" | | |
| 150Y | 150 | 4#1/0 | 1#6 | 2" | 1000 | 3 SETS OF 4#400 KCMIL | 2 - #2/0 | 3 - 3" | |
| 175D | 175 | 3#2/0 | 1#6 | 1000 | 3 SETS OF 3#600 KCMIL | 3 - #3/0 | 3 - 4" | | |
| 175Y | 1/5 | 4#2/0 | 1#6 | 2" | 12HY | 1200 | 3 SETS OF 4#600 KCMIL | 3 - #3/0 | 3 - 4" |
| 200D | 200 | 3#3/0 | 1#6 | 2" | 16HD | 1600 | 4 SETS OF 3#600 KCMIL | 4 - #4/0 | 4 - 4" |
| 200Y | 200 | 4#3/0 | 1#6 | 2" | 16HY | 1000 | 4 SETS OF 4#600 KCMIL | 4 - #4/0 | 4 - 4" |
| 225D | 225 | 3#4/0 | 1#4 | 2" | 20HD | 2000 | 5 SETS OF 3#600 KCMIL | 5 - #250 KCMIL | 5 - 4" |
| 225Y | 223 | 4#4/0 | 1#4 | 2 1/2" | 20HY | 2000 | 5 SETS OF 4#600 KCMIL | 5 - #250 KCMIL | 5 - 4" |
| 250D | 250 | 3#250 KCMIL | 1#4 | 2 1/2" | 25HD | 2500 | 6 SETS OF 3#600 KCMIL | 6 - #350 KCMIL | 6 - 4" |
| 250Y | 200 | 4#250 KCMIL | 1#4 | 3" | 25HY | 2500 | 6 SETS OF 4#600 KCMIL | 6 - #350 KCMIL | 6 - 4" |
| 300D | 200 | 3#350 KCMIL | 1#4 | 3" | 30HD | 2000 | 8 SETS OF 3#600 KCMIL | 8 - #500 KCMIL | 8 - 4" |
| 300Y | - 300 | 4#350 KCMIL | 1#4 | 3" | 30HY | - 3000 | 8 SETS OF 4#600 KCMIL | 8 - #500 KCMIL | 8 - 4" |
| 350D | 250 | 3#500 KCMIL | 1#3 | 3 1/2" | 40HD | 4000 | 10 SETS OF 3#600 KCMIL | 10 - #500 KCMIL | 10-4" |
| 350Y | - 330 | 4#500 KCMIL | 1#3 | 4" | 40HY | 4000 | 10 SETS OF 4#600 KCMIL | 10 - #500 KCMIL | 10-4" |
| тре | REFER TO T | RANSFORMER SCHEDULE F | OR PRIMARY, SEC | ONDARY AND | 50HD | 5000 | 12 SETS OF 3#600 KCMIL | 12 - #500 KCMIL | 12-4" |
| IRS | GROUND FE | EEDER SIZES | | | 50HY | 5000 | 12 SETS OF 4#600 KCMIL | 12 - #500 KCMIL | 12-4" |
| | FEEDER S | SCHEDULE NOTES: | | | | | | | |
| 1 | WIRING BAS | SED ON COPPER THWN/THHN | ۱. | | | | | | |
| 2 | GROUNDIN | G CONDUCTORS BASED ON L | JSE AS A FEEDER | (REFER TO ONE L | INE DIAGRA | AMS FOR SEF | RVICE ENTRANCE GROUNDIN | IG ELECTRODE SIZE | ES). |
| 3 | CONDUIT S | ZE BASED ON EMT. | | | | | | | |
| 4 | FEEDER TA | G ENDIING IN "\$" INSTEAD OF | "D OR Y" INDICAT | ES PROVIDE CON | IDUITS ONL | Y; CONDUCT | ORS ARE FUTURE. | | |
| 5 | FEEDERS G | REATER THAN 300 FEET APP | PLY VOLTAGE DRO | P ACCOMMODATI | ON BY INCE | REASING CON | NDUCTOR AND CONDUIT SIZE | ES APPROPRIATELY | , |
| 6 | MAXIUMUM | SYSTEM VOLTAGE IS 600 (RE | EFER TO ONE LINE | DIAGRAMS FOR | MEDIUM AN | D HIGH VOLI | TAGE FEEDER SIZES). | | |

| | | | | | SIN SIN | | |
|------------------|-------------------|--|-------------|--|---------|--------|---|
| SYMBOL | MTG HT AFF UNO | DESCRIPTION | KEY NOTE | CONDUIT SIZE | B | OX TYF | ε |
| $\{\mathbf{v}\}$ | 18" | (1) VOICE AND (1) DATA OUTLETS | | 3/4" | Х | | |
| \mathbf{V} | 18" | (2) VOICE AND (2) DATA OUTLETS | | 3/4" | Х | | |
| \mathbf{V} | 18" | (1) VOICE AND (2) DATA OUTLETS | | 3/4" | Х | | |
| | 18" | (1) DATA OUTLET | | 3/4" | Х | | |
| 2∇ | 18" | (2) DATA OUTLETS | | 3/4" | Х | | |
| • | 45" | WALL PHONE OUTLET | | 3/4" | | | |
| Ē | 45" | ELEVATOR PHONE OUTLET | | 3/4" | | | |
| | 18" | CATV OUTLET | | 3/4" | Х | | |
| WA Y | ABOVE CEILING | DATA OUTLET FOR WIRELESS ACCESS POINT | | | Х | | |
| F1 | | UNDERFLOOR/FLUSH COVER BOX WITH (1) DATA OUTLETS, (1) DUPLEX RECEPTACLES AND EMPTY 2-GANG FOR AV USE | 2 | (2) 1" UNDERSLAB & (1) 1 1/4" UNDERSLAB | | | |
| F2 | | UNDERFLOOR/FLUSH FLOOR BOX WITH (1) GFI DUPLEX RECEPTACLE | 2 | (1) 1" UNDERSLAB | | | |
| E F3 | | UNDERFLOOR/FLUSH FLOOR BOX WITH (2) GFI DUPLEX RECEPTACLE | 2 | (1) 1" UNDERSLAB | | | |
| NOTES: | | | | | | | |

TECHNOLOGY MATRIX

1. DIVISION 26 SHALL PROVIDE BOXES AND CONDUITS WITH PULL STRINGS UNO. DIVISION 27 SHALL PROVIDE CABLING, OUTLETS, AND TERMINATIONS.

J-HOOK, OR CABLE TRAY PATHWAY, U.N.O. IN ROOMS WITHOUT CEILINGS, CONDUIT SHALL BE RUN AT

1. MOUNTING HEIGHT AS NOTED ON PLANS.

2. SEE FLOOR BOX DETAIL. BASIS OF DESIGN: FSR, INC., FL-600P SERIES.

3. FOR AREAS WITH SUSPENDED CEILINGS, INSTALL BOX ABOVE CEILING. WIRING SHALL BE CONCEALED ABOVE CEILINGS OR IN CONDUIT WHERE EXPOSED. FOR AREAS WITHOUT CEILINGS, MOUNT BOX AT UNDERSIDE OF DECK AND PROVIDE CONDUIT PER TECHNOLOGY GENERAL NOTE 2 ABOVE.

2. FOR EACH TECHNOLOGY OUTLET, PROVIDE CONCEALED CONDUIT FROM EACH OUTLET BOX TO 6" ABOVE THE NEAREST ACCESSIBLE CORRIDOR CEILING THAT IS CONTIGUOUS TO THE NEAREST IT ROOM, UNDERSIDE OF DECK TO 6" ABOVE THE NEAREST ACCESSIBLE CORRIDOR CEILING THAT IS CONTIGUOUS TO THE NEAREST IT ROOM, J-HOOK, OR CABLE TRAY PATHWAY, U.N.O. CONDUIT PATHWAYS SHALL BE PROVIDED FOR ANY PORTION OF THE PATH TO NEAREST IT ROOM, J-HOOK, OR CABLE TRAY THAT HAS EXPOSED DECK OR HAS INACCESSIBLE CEILINGS.

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| | | SPECIAL RECEPTACLE | SCHEDUL | .E |
|-----|---------|--------------------------------|---------|-------------------------|
| TAG | NEMA | DESCRIPTION (SINGLE DEVICE) | OCPD | BRANCH CIRCUIT |
| А | 5-15R | 15A-125V,2P,3W | 15A-1P | 2#12 & 1#12GND - 3/4" C |
| A1 | 5-15R | 15A-125V,2P,3W, GFCI | 15A-1P | 2#12 & 1#12GND - 3/4" C |
| В | 5-20R | 20A-125V,2P,3W | 20A-1P | 2#12 & 1#12GND - 3/4" C |
| B1 | 5-20R | 20A-125V,2P,3W, GFCI | 20A-1P | 2#12 & 1#12GND - 3/4" C |
| С | 5-30R | 30A-125V,2P,3W | 30A-1P | 2#10 & 1#10GND - 3/4" C |
| D | 5-50R | 50A-125V,2P,3W | 50A-1P | 2#6 & 1#10GND - 3/4" C |
| Е | 6-15R | 15A-250V,2P,3W | 15A-2P | 2#12 & 1#12GND - 3/4" C |
| F | 6-20R | 20A-250V,2P,3W | 20A-2P | 2#12 & 1#12GND - 3/4" C |
| G | 6-30R | 30A-250V,2P,3W | 30A-2P | 2#10 & 1#10GND - 3/4" C |
| Н | 6-50R | 50A-250V,2P,3W | 50A-2P | 2#6 & 1#10GND - 3/4" C |
| I | 14-20R | 20A-125/250V,3P,4W | 20A-2P | 3#12 & 1#12GND - 3/4" C |
| J | 14-30R | 30A-125/250V,3P,4W | 30A-2P | 2#10 & 1#10GND - 3/4" C |
| K | 14-50R | 50A-125/250V,3P,4W | 50A-2P | 3#6 & 1#10GND - 1" C |
| L | 14-60R | 60A-125/250V,3P,4W | 60A-2P | 3#6 & 1#10GND - 1" C |
| М | 15-20R | 20A-250V,3PH,3P,4W | 20A-3P | 3#12 & 1#12GND - 3/4" C |
| Ν | 15-30R | 30A-250V,3PH,3P,4W | 30A-3P | 3#10 & 1#10GND - 3/4" C |
| Р | 15-50R | 50A-250V,3PH,3P,4W | 50A-3P | 3#6 & 1#10GND - 1" C |
| Q | 15-60R | 60A-250V,3PH,3P,4W | 60A-3P | 3#6 & 1#10GND - 1" C |
| R | L5-20R | 20A-125V,2P,3W, TWIST LOCK | 20A-1P | 2#12 & 1#12GND - 3/4" C |
| S | L5-30R | 30A-125V,2P,3W, TWIST LOCK | 30A-1P | 2#10 & 1#10GND - 3/4" C |
| Т | L6-15R | 15A-250V,2P,3W, TWIST LOCK | 15A-2P | 2#12 & 1#12GND - 3/4" C |
| U | L6-20R | 20A-250V,2P,3W, TWIST LOCK | 20A-2P | 2#12 & 1#12GND - 3/4" C |
| V | L6-30R | 30A-250V,2P,3W, TWIST LOCK | 30A-2P | 2#10 & 1#10GND - 3/4" C |
| W | L14-20R | 20A -125/250V,3P,4W,TWIST LOCK | 20A-2P | 3#12 & 1#12GND - 3/4" C |
| Х | L14-30R | 30A -125/250V,3P,4W,TWIST LOCK | 30A-2P | 3#10 & 1#10GND - 3/4" C |
| Y | 14-50R | 50A - 125/250V,3P,4W | 40A-3P | 3#6 & 1#10GND - 1" C |
| Z | L16-30R | 30A-480V, 3P,4W, TWIST LOCK | 30A-3P | 3#10 & 1#10GND - 3/4" C |



| ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT | | | | | | | | | | | | | |
|---|---|------------|--------|-----------------|-----------------------|--------------|-----------|-------|----------------------------|-----------------------|------------|--------------|----------|
| TAG | DESCRIPTION | VOLTS | PH | LOAD | FLA | MCA | MOPD | FRAME | DISCONNECT S POLES FUSE | WITCH NEMA ENCI | FBD | PANEL | NOTES |
| TMV-1 | THERMOSTATIC MIXING VALVE | 120 | 1 | 20VA | 0.2 | | 20 | | | LINCL | | | |
| RCP-1 | DHW RECIRC PHASE 1 & PHASE 4 | 120 | 1 | 1/6HP | 4.4 | 4.4 | 20 | | FWE | | | | 9 |
| GF-1 | GLYCOL FEED SYSTEM | 120 | 1 | (2) 1/2HP | 4.4 | 4.4 | 15 | | FWE | | | | 6 |
| P-H1 | | 208 | 3 | (3)7.5HP | | 78.7 | 90 | | FWE | | 23 | | |
| DEF-R-1 | DRYER EXHAUST, PHASE 1 | 208 | 3 | (2)5HP 2.3HP | | 8.9 | 45 20 | MRT | 1 - | 1 | 23 | MP4B | |
| DEF-R-2 | DRYER EXHAUST, PHASE 2 | 208 | 3 | 2.3HP | | 8.9 | 20 | MRT | 1 - | 1 | 26 | MP4C | |
| DEF-R-3 DEF-R-4 | DRYER EXHAUST, PHASE 3 | 208 | 3 | 2.3HP | | 8.9 8.9 | 20 | MRT | 1 - | 1 | 20 | MP4D MP4A | |
| H-1 | RANGE EXHUAST HOOD | 120 | 1 | | 3.7 | | 15 | MRT | 1 | 1 | 26 | | |
| ERV-1-11 | FLR 1 CHAPEL, PHASE 1 | 208 | 1 | - | | 3.4 | 15 | | FWE | | | | |
| ERV-1-21 | FLR 1 BOH, PHASE 2 | 208 | 1 | - | | 3.4 | 15 | | FWE | | | | |
| ERV-1-22 ERV-1-31 | FLR 1 ADMIN, PHASE 3 | 208 | 1 | - | | 3.4 3.4 | 15 | | FWE | | | | |
| ERV-1-32 | FLR 1 ADMIN, PHASE 3 | 208 | 1 | - | | 3.4 | 15 | | FWE | | | | |
| ERV-1-33 ERV-0-41 | FLR 1 SECURITY, PHASE 3 BILGE, PHASE 4 | 208 208 | 1 | | | 3.4 3.4 | 15 15 | | FWE | | | | |
| ERV-0-42 | BOOKSTORE, PHASE 4 | 208 | 3 | 1HP | | 23.2 | 25 | | FWE | | | | |
| ERV-0-43 ERV-1-41 | FLR 1 APT, PHASE 4 FLR 1 SALON, PHASE 4 | 208 208 | 1 | | | 3.4 3.4 | 15 15 | | FWE | | | | |
| ERV-1-42 | FLR 1 ADMIN, PHASE 4 | 208 | 1 | - | | 3.4 | 15 | | FWE | | | | |
| DOAS-0-1 | GRADE DETICATED OUTSIDE AIR SYSTEM | 208 | 3 | 2HP | | 64.1 | 80 | | FWE | | 5 | | 3 |
| DOAS-R | | 208 | 3 | 3HP | | 82.8 | 100 | | FWE | | { | MDS | 3 |
| DOAS-R DOAS-R | ROOFTOP DETICATED OUTSIDE AIR SYSTEM | 208 | 3 | 3HP | | 39.2 82.8 | 50 100 | | FWE | | { | MDS | |
| DOAS-R | ROOFTOP DETICATED OUTSIDE AIR SYSTEM | 208 | 3 | 1HP | | 39.2 | 50 | | FWE | | <u>}</u> | MDS | 3 |
| DOAS-R DOAS-R | ROOFTOP DETICATED OUTSIDE AIR SYSTEM | 208 208 | 3 | 3HP 1HP | | 82.8 39.2 | 100 50 | | FWE FWE | | { | MDS MDS | |
| DOAS-R | ROOFTOP DETICATED OUTISDE AIR SYSTEM | 208 | 3 | 3HP | | 82.8 | 100 | | FWE | | ł | MDS | 3 |
| DOAS-R | ROOFTOP DETICATED OUTSIDE AIR SYSTEM | 208 | 3 | 1HP | | 39.2 | 50 | | FWE | | د ر | MDS | 3 |
| CU0-1-1 | OUTDOOR VRF - AIR-COOLED CONDENSING UNIT | 208 | 1 | | | 36 | 40 | 60 | 2 40 | 3R | 26 | | 11 |
| HP0-1-11 HP0-1-12 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 |
| HP0-1-13 HP0-1-14 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 |
| HP0-1-15 HP0-1-16 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 |
| CU0-1-2 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | ∠ ⊤ | 36 | 40 | 60 | 2 40 | 3R | 26 | | 11 |
| нР0-1-21 НР0-1-22 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 |
| HP0-1-23 HP0-1-24 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 11 |
| HP0-1-25 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | MTR | | 26 | | 11 |
| CU1-1-1 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | | 36 | 40 | 60 | 2 40 | 3R | 26 | | 11 |
| HP1-1-11 HP1-1-12 | INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 |
| HP1-1-13 HP1-1-14 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 |
| HP1-1-15 HP1-1-16 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 |
| CU1-1-2 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | 0.04 | 36 | 40 | 60 | 2 40 | 3R | 26 | | 11 |
| HP1-1-21 HP1-1-22 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 15 | | MTR | | 26 | | 11 |
| HP1-1-23 HP1-1-24 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | MTR | | 26 26 | | 11 |
| HP1-1-25 HP1-1-26 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 |
| CU1-4-1 HP1-4-11 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 36 0.24 | 40 15 | 60 | 2 40 MTR | 3R | 26 26 | | 11 |
| HP1-4-12 HP1-4-13 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 |
| CU1-4-2 | | 208 | 1 | | 0.24 | 36 | 40 | 60 | 2 40 | 3R | 26 | | 11 |
| HP1-4-21 HP1-4-22 | | 208 | 1 | | 0.24 | 0.24 | 15 | | MTR | | 26 | | 11 |
| HP1-4-24 | | 208 | 1 | | 0.24 | 0.24 | 15 | | MTR | | 26 | | 11 |
| HP 1-4-25 | | 200 | 1 | | 0.24 | 0.24 | 15 | | | | 20 | | |
| CU2-1-1 HP2-1-11 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 208 | 1 | | 0.24 | 36 0.24 | 40 15 | 60 | 2 40 MTR | 3R | 26 26 | MP4B | 11 |
| HP2-1-12 HP2-1-13 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 |
| HP2-1-14 | | 208 208 | 1 | | 0.24 | 0.24 | 15 | | MTR MTR | | 26 26 | | 11 |
| HP2-1-16 | | 208 | 1 | | 0.24 | 0.24 | 15 | | MTR | | 26 | | 11 |
| HP2-1-17 HP2-1-18 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | MTR | | 20 | | 11 |
| CU2-1-2 HP2-1-21 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 208 | 1 | | 0.24 | 36 0.24 | 40 15 | 60 | 2 40 MTR | 3R | 26 26 | MP4B | 11 |
| HP2-1-22 HP2-1-23 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 11 |
| HP2-1-24 HP2-1-25 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 0.24 | 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 11 |
| HP2-1-26 HP2-1-27 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 11 |
| HP2-1-28 | | 208 | 1 | | 0.24 | 0.24 | 15 40 | 60 | MTR 2 40 | 3P | 26 26 | MD1D | 11 |
| HP2-1-31 | | 208 | 1 | | 0.24 | 0.24 | 15 | | MTR | JR | 26 | ivi⊏'4D | 11 |
| HP2-1-32 | | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | MTR | | 26 26 | | 11 |
| пн2-1-34 HP2-1-35 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 |
| нР2-1-36 НР2-1-37 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 |
| HP2-1-38 CU2-2-1 | INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 208 | 1 | | 0.24 | 0.24 36 | 15 40 | 60 | MTR 2 40 | 3R | 26 26 | MP4C | 11 |
| HP2-2-11 | | 208 | 1 | | 0.24 | 0.24 | 15 | | MTR | | 26 | | 11 |
| HP2-2-12 | | 208 | 1 | | 0.24 | 0.24 | 15 | | MTR | | 20 26 | | 11 |
| HP2-2-14 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 |
| HP2-2-16 HP2-2-17 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | MTR MTR | | 26 26 | | 11 |
| HP2-2-18 CU2-2-2 | INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 208 | 1 | | 0.24 | 0.24 36 | 15 40 | 60 | MTR 2 40 | 3R | 26 26 | MP4C | 11 |
| HP2-2-21 | | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | MTR MTP | 1 | 26 26 | | 11 |
| HP2-2-24 | | 200 | 1 1 | | 0.24 | 0.24 | 15 | | MTR | | 26 | | 11 |
| HP2-2-24 | | 208 | 1 1 | | 0.24 | 0.24 | 15 | | MTR | | 26 | | 11 |
| HP2-2-26 | | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | MTR | | 26 26 | | 11 |
| нР2-2-28 CU2-2-3 | INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 208 | 1 1 | | 0.24 | 0.24 36 | 15 40 | 60 | MTR 2 40 | 3R | 26 26 | MP4C | 11 |
| HP2-2-31 HP2-2-32 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | MTR | 1 | 26 26 | | 11 |
| HP2-2-33 | | 208 208 | 1 | | 0.24 | 0.24 | 15 | | MTR MTP | | 26 26 | | 11 |
| HP2-2-34 | | 208 | 1 | | 0.24 | 0.24 | 15 | | MTR | | 26 | | 11 |
| HP2-2-36 | | 208 208 | 1 | | 0.24 | 0.24 | 15 | | MTR | | 20 26 | | 11 |
| нг2-2-38 CU2-3-1 | INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 208 | 1 | | 0.24 | 0.24 36 | 15 40 | 60 | MTR 2 40 | 3R | 26 26 | MP4D | 11 |
| HP2-3-11 HP2-3-12 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0. <u>2</u> 4 | 0.24 | 15 15 | | MTR | · | 26 26 | | 11 11 |
| HP2-3-13 | | 208 | 1 | | 0.24 | 0.24 | 15 | | MTR MTR | | 26 26 | | 11 |
| HP2-3-15 | | 200 | 1 1 | | 0.24 | 0.24 | 15 | | MTR | | 26 | | 11 |
| HP2-3-16 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | MTR | | 26 26 | | 11 |
| нР2-3-18 CU2-3-2 | INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 208 | 1 | | 0.24 | 0.24 36 | 15 40 | 60 | MTR 2 40 | 3R | 26 26 | MP4D | 11 |
| HP2-3-21 | | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | MTR | 1 | 26 26 | | 11 |
| HP2-3-23 | | 200 | 1 1 | | 0.24 | 0.24 | 15 | | MTR | | 26 | | 11 |
| HP2-3-24 | | 208 208 | 1 | | 0.24 | 0.24 | 15 | | MTR | | 20 26 | | |
| nr2-3-26 | | 208 | 1 | | 0.24 | 0.24 | 15 | | MIR MTR | | 26 | | 11 |

| | DESCRIPTION | VOLTS | РН | LOAD | FLA | MCA | MOPD | FRAME | DISCO | NNECT S | | FBD | PANEL | NC |
|---|---|--|---|------|--|---|--|----------------------------|--|--|----------------------|--|--|----------|
| HP2-3-28 | | 208 | 1 | | 0.24 | 0.24 | 15 | 60 | M ⁻ | IR 40 | 20 | 26 | MP4D | |
| IP2-3-3 | INDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | 0.24 | 36 0.24 | 40 | 60 | 2 M | 40 FR | 3R | 26 26 | MP4D | |
| IP2-3-32 IP2-3-33 IP2-3-34 | | 208 208 208 | 1 1 | | 0.24 | 0.24 | 15 15 15 | | M M M | rr FR FR | | 26 26 26 | | |
| P2-3-35 P2-3-36 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 | 0.24 | 15 15 15 | | M M M | rr rr | | 26 26 26 | | |
| IP2-3-37 IP2-3-38 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M ⁻ | rr rr | | 26 26 | | |
| CU2-4-1 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | | 36 | 40 | 60 | 2 | 40 | 3R | 26 | MP4A | |
| IP2-4-11 IP2-4-12 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 | 15 15 | | M ⁻ | rr rr | | 26 26 | | |
| IP2-4-13 IP2-4-14 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | M ⁻ M ⁻ | rr rr | | 26 26 | | |
| IP2-4-15 IP2-4-16 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | M ⁻ M ⁻ | rr rr | | 26 26 | | |
| IP2-4-17 IP2-4-18 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | M ⁻ | rr rr | _ | 26 26 | | |
| CU2-4-2 IP2-4-21 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 | 36 0.24 | 40 15 | 60 | 2 M | 40 FR | 3R | 26 26 | MP4A | |
| IP2-4-22 IP2-4-23 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | M M | rr rr | | 26 26 | | |
| IP2-4-24 IP2-4-25 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | M ⁻ | rr rr | | 26 26 | | |
| IP2-4-26 IP2-4-27 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 | 15 15 | | M ⁻ | rr rr | | 26 26 | | |
| IP2-4-28 CU2-4-3 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 208 | 1 | | 0.24 | 0.24 36 | 15 40 | 60 | M 2 | 1R 40 | 3R | 26 26 | MP4A | |
| IP2-4-31 IP2-4-32 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 0.24 | 0.24 | 15 15 | | M ⁻ | rr rr | | 26 26 | | |
| IP2-4-33 IP2-4-34 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 | 15 15 | | M M | rr rr | | 26 26 | | |
| IP2-4-35 IP2-4-36 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M M | rr rr | | 26 26 | | |
| IP2-4-37 IP2-4-38 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M M | rr rr | | 26 26 | | |
| CU3-1-1 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | | 36 | 40 | 60 | 2 | 40 | 3R | 26 | MP4B | - |
| IP3-1-11 IP3-1-12 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | M ⁻ | rr rr | | 26 26 | | F |
| IP3-1-13 IP3-1-14 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | M M | rr rr | | 26 26 | | |
| IP3-1-15 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M M | | | 26 26 | | |
| IP3-1-17 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M ⁻ | IK FR | | 26 26 | | |
| U3-1-2 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 208 | 1 | | 0.24 | 36 0.24 | 40 15 | 60 | 2 M | 40 FR | 3R | 26 26 | MP4B | + |
| IP3-1-22 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M ⁻ | | | 26 26 | | |
| P3-1-24 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M ⁻ | IR IR | | 26 26 | | |
| P3-1-26 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M ⁻ | IK IR IP | | 26 26 | | |
| CU3-1-28 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 1 | | 0.24 | 36 | 40 | 60 | M 2 | 40 | 3R | 20 26 | MP4B | |
| P3-1-31 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M ⁻ | IK IR IP | | 26 26 | | |
| P3-1-33 | | 208 208 | 1 1 1 | | 0.24 | 0.24 | 15 15 15 | | M M | IR IR | | 26 26 | | |
| P3-1-36 | INDOOR VRF UNIT | 208 208 208 | 1 1 | | 0.24 | 0.24 | 15 15 | | M M | rr rr | | 26 26 26 | | |
| P3-1-38 | | 208 | 1 | | 0.24 | 0.24 | 15 40 | 60 | M 2 | IR 40 | 3R | 26 | MP4C | |
| P3-2-11 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M | IR IR | on | 26 26 | | |
| P3-2-12 P3-2-13 P3-2-14 | | 208 | 1 | | 0.24 | 0.24 | 15 15 15 | | M M M | IR IR IR | | 20 26 26 | | |
| IP3-2-15 IP3-2-16 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M M M | rr rr | | 26 26 | | |
| IP3-2-17 IP3-2-18 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 0.24 | 0.24 | 15 15 | | M ⁻ M ⁻ | rr rr | | 26 26 | | |
| CU3-2-2 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | 0.24 | 36 | 40 | 60 | 2 M | 40 FR | 3R | 26 26 | MP4C | |
| IP3-2-22 IP3-2-23 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | M ⁻ M ⁻ | rr rr | | 26 26 | | |
| IP3-2-24 IP3-2-25 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | M ⁻ | rr rr | | 26 26 | | |
| IP3-2-26 IP3-2-27 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M M | rr rr | | 26 26 | | |
| IP3-2-28 CU3-2-3 | INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 208 | 1 1 | | 0.24 | 0.24 36 | 15 40 | 60 | M ⁻ 2 | FR 40 | 3R | 26 26 | MP4C | |
| IP3-2-31 IP3-2-32 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 | 15 15 | | M ⁻ | rr rr | | 26 26 | | |
| IP3-2-33 IP3-2-34 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M M | | | 26 26 | | |
| IP3-2-35 IP3-2-36 | | 208 | 1 | | 0.24 | 0.24 | 15 15 | | M M | IR FR | | 26 26 | | |
| IP3-2-37 | | 208 | 1 | | 0.24 | 0.24 | 15 | 60 | M M | IR IR 40 | 20 | 26 | MD4D | |
| IP3-3-11 | | 208 | 1 | | 0.24 | 0.24 | 40 15 | 60 | | 40 FR | эк | 26 26 | WIP4D | |
| IP3-3-12 IP3-3-13 | | 208 208 208 | 1 1 | | 0.24 | 0.24 | 15 15 | | M M | IR IR | | 20 26 26 | | |
| IP3-3-15 IP3-3-16 | INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 | 0.24 | 15 15 | | M ⁻ | rr rr | | 26 26 | | - |
| P3-3-17 P3-3-18 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 | 0.24 | 15 15 | | M M M | rr rr | | 26 26 | | |
| CU3-3-2 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 36 0.24 | 40 15 | 60 | 2 M | 40 FR | 3R | 26 26 | MP4D | |
| P3-3-22 P3-3-23 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M | rr rr | | 26 26 | | + |
| IP3-3-24 IP3-3-25 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | M ⁻ | rr rr | | 26 26 | | |
| P3-3-26 P3-3-27 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | M M | | | 26 26 | | \vdash |
| P3-3-28 CU3-3-3 | INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 208 | 1 | | 0.24 | 0.24 36 | 15 40 | 60 | 2 | FR 40 | 3R | 26 26 | MP4D | + |
| P3-3-31 P3-3-32 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 0.24 | 15 15 | | M ⁻ | rr rr | | 26 26 | | F |
| P3-3-33 P3-3-34 | INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 1 | | 0.24 0.24 | 0.24 | 15 15 | | M ⁻ | rr rr | | 26 26 | | F |
| P3-3-35 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M ⁻ | | | 26 26 | | |
| D3 3 7 - | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M M | IR IR | | 26 26 | RAD 1 - | |
| P3-3-37 P3-3-38 | | 208 | 1 | | 0.24 | 36 0.24 | 40 | 60 | 2 M | 40 FR | 3R | 26 26 | | |
| P3-3-37 P3-3-38 CU3-4-1 P3-4-11 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | | 1 | | 0.24 | 0.24 | 15 15 | | M ⁻ | rr IR | | 26 26 | | |
| P3-3-37 P3-3-38 CU3-4-1 P3-4-11 P3-4-12 P3-4-13 P3-4-13 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 | 4 | | 0.24 | 0.24 | 15 | | M M | IR IR | | 26 26 | | |
| P3-3-37 P3-3-38 CU3-4-1 P3-4-11 P3-4-12 P3-4-13 P3-4-14 P3-4-15 P3-4-16 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 208 208 208 | 1 1 1 | | 0.24 | 0.24 | 1 12 | | IVI | | | 26 | | i. |
| P3-3-37 P3-3-38 CU3-4-1 P3-4-11 P3-4-12 P3-4-13 P3-4-14 P3-4-15 P3-4-16 P3-4-17 P3-4-18 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT | 208 208 208 208 208 208 208 208 208 | 1 1 1 1 | | 0.24 0.24 0.24 0.24 | 0.24 0.24 0.24 | 15 15 15 | | M ⁻ | rr rr | | 26 26 26 | | |
| P3-3-37 P3-3-38 CU3-4-1 P3-4-11 P3-4-12 P3-4-13 P3-4-14 P3-4-15 P3-4-16 P3-4-17 P3-4-18 CU3-4-2 P3-4-21 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 208 208 208 208 208 208 208 208 208 | 1 1 1 1 1 1 1 | | 0.24 0.24 0.24 0.24 | 0.24 0.24 0.24 36 | 15 15 15 40 | 60 | M M 2 | rr rr 40 | 3R | 26 26 26 26 26 | MP4A | |
| P3-3-37 P3-3-38 CU3-4-1 P3-4-11 P3-4-12 P3-4-13 P3-4-14 P3-4-15 P3-4-16 P3-4-17 P3-4-18 CU3-4-2 P3-4-21 P3-4-22 P3-4-22 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 208 208 208 208 208 208 208 208 | 1 1 1 1 1 1 1 1 1 1 | | 0.24 0.24 0.24 0.24 0.24 0.24 | 0.24 0.24 0.24 36 0.24 0.24 0.24 | 15 15 15 40 15 15 15 | 60 | M ⁻ M ⁻ 2 M ⁻ | TR TR 40 TR TR TR | 3R | 26 26 26 26 26 26 26 26 | MP4A | |
| P3-3-37 P3-3-38 CU3-4-1 P3-4-11 P3-4-12 P3-4-13 P3-4-14 P3-4-15 P3-4-16 P3-4-17 P3-4-18 CU3-4-2 P3-4-21 P3-4-23 P3-4-24 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT | 208 208 208 208 208 208 208 208 208 208 | 1 1 1 1 1 1 1 1 1 1 1 1 | | 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 | 0.24 0.24 0.24 36 0.24 0.24 0.24 0.24 0.24 | 13 15 15 40 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 | 60 | M M 2 M M M | TR 40 TR TR TR TR TR TR | 3R | 26 26 26 26 26 26 26 26 26 26 26 | MP4A | |
| IP3-3-37 IP3-3-38 CU3-4-1 IP3-4-12 IP3-4-13 IP3-4-14 IP3-4-15 IP3-4-16 IP3-4-17 IP3-4-18 CU3-4-2 IP3-4-21 IP3-4-23 IP3-4-24 IP3-4-25 IP3-4-27 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT | 208 208 208 208 208 208 208 208 208 208 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 | 0.24 0.24 0.24 36 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 | 15 15 40 15 | 60 | M M 2 M M M M M | TR 40 TR TR T | 3R | 26 26 26 26 26 26 26 26 26 26 26 26 26 | MP4A | |
| IP3-3-37 IP3-3-38 CU3-4-1 IP3-4-11 IP3-4-12 IP3-4-13 IP3-4-14 IP3-4-15 IP3-4-16 IP3-4-17 IP3-4-18 CU3-4-21 IP3-4-22 IP3-4-23 IP3-4-24 IP3-4-25 IP3-4-26 IP3-4-28 CU3-4-3 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 208 208 208 208 208 208 208 208 208 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 | 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 | 15 15 15 40 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 40 | 60 | M M 2 M M M M M M M M | IR 40 IR | 3R 3R | 26 26 26 26 26 26 26 26 26 26 26 26 26 2 | MP4A | |
| P3-3-37 P3-3-38 CU3-4-1 P3-4-12 P3-4-13 P3-4-14 P3-4-15 P3-4-16 P3-4-17 P3-4-18 CU3-4-2 P3-4-23 P3-4-24 P3-4-25 P3-4-26 P3-4-28 CU3-4-3 P3-4-28 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT | 208 208 208 208 208 208 208 208 208 208 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 | 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 | 15 15 15 40 15 | 60 | M M 2 M M M M M M M M M M | TR 40 TR | 3R 3R 3R | 26 26 26 26 26 26 26 26 26 26 26 26 26 2 | MP4A | |
| P3-3-37 P3-3-38 CU3-4-1 P3-4-11 P3-4-12 P3-4-13 P3-4-14 P3-4-15 P3-4-16 P3-4-17 P3-4-18 CU3-4-2 P3-4-21 P3-4-22 P3-4-23 P3-4-24 P3-4-25 P3-4-26 P3-4-27 P3-4-28 CU3-4-3 P3-4-31 P3-4-32 P3-4-33 P3-4-34 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT | 208 208 208 208 208 208 208 208 208 208 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 | 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 | 15 15 15 40 15 | 60 | M M 2 M M M M M M M M M M M M | IR 40 IR | 3R 3R 3R | 26 26 26 26 26 26 26 26 26 26 26 26 26 2 | MP4A | |
| P3-3-37 P3-3-38 CU3-4-1 P3-4-12 P3-4-13 P3-4-14 P3-4-15 P3-4-16 P3-4-17 P3-4-18 CU3-4-2 P3-4-23 P3-4-24 P3-4-25 P3-4-26 P3-4-27 P3-4-28 CU3-4-3 P3-4-31 P3-4-34 P3-4-35 P3-4-36 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT | 208 208 208 208 208 208 208 208 208 208 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 | 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 | $\begin{array}{c c} 13 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\$ | 60 | M M 2 M M M M M M M M M M M M M | IR 40 IR | 3R 3R 3R | 26 | MP4A | |
| P3-3-37 P3-3-38 CU3-4-1 P3-4-12 P3-4-13 P3-4-13 P3-4-14 P3-4-15 P3-4-16 P3-4-17 P3-4-18 CU3-4-2 P3-4-21 P3-4-23 P3-4-24 P3-4-25 P3-4-26 P3-4-27 P3-4-28 CU3-4-3 P3-4-34 P3-4-31 P3-4-33 P3-4-34 P3-4-35 P3-4-36 P3-4-37 P3-4-38 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT | 208 208 208 208 208 208 208 208 208 208 | 1 | | 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 | 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 | $\begin{array}{c} 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 $ | 60 | M M 2 M M M M M M M M M M M M M M | IR 40 IR | 3R 3R 3R | 26 | MP4A | |
| P3-3-37 P3-3-38 CU3-4-1 P3-4-11 P3-4-12 P3-4-13 P3-4-14 P3-4-15 P3-4-16 P3-4-17 P3-4-18 CU3-4-2 P3-4-21 P3-4-23 P3-4-24 P3-4-25 P3-4-26 P3-4-27 P3-4-28 CU3-4-3 P3-4-26 P3-4-31 P3-4-32 P3-4-33 P3-4-34 P3-4-35 P3-4-36 P3-4-38 CU3-4-3 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT | 208 208 208 208 208 208 208 208 208 208 | 1 | | 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 | 0.24 0.24 0.24 36 0.24 | 15 15 | 60 60 60 60 | M M 2 M M M M M M M M M M M M M M M M | TR 40 TR 40 TR 40 TR TR | 3R 3R 3R 3R | 26 | MP4A | |
| P3-3-37 P3-3-38 CU3-4-1 P3-4-11 P3-4-12 P3-4-13 P3-4-14 P3-4-15 P3-4-16 P3-4-17 P3-4-18 CU3-4-2 P3-4-21 P3-4-22 P3-4-23 P3-4-24 P3-4-25 P3-4-26 P3-4-27 P3-4-28 CU3-4-3 P3-4-31 P3-4-32 P3-4-33 P3-4-34 P3-4-35 P3-4-36 P3-4-37 P3-4-38 CU4-1-1 P4-1-11 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT OUTDOOR VRV - AIR-COOLED CONDENSING UNIT INDOOR VRF UNIT | 208 208 208 208 208 208 208 208 208 208 | 1 1 | | 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 | 0.24 0.24 0.24 36 0.24 | 15 40 15 15 15 | 60 60 60 60 60 | M M 2 M M M M M M M M M M M M M M M M M | IR 40 IR IR | 3R 3R 3R 3R | 26 26 26 26 26 </td <td>MP4A MP4A MP4A MP4A MP4A MP4A MP4A</td> <td></td> | MP4A MP4A MP4A MP4A MP4A MP4A MP4A | |

| | ELECTRIC | CAL SC | | DULE (| OF ME | | NICAL | EQUIF | PMENT | | | | |
|----------------------|--|------------|-----|--------|-------|------------|----------|-------|--------------------|----------|-------|----------|-----------|
| TAG | DESCRIPTION | VOLTS | PH | LOAD | FLA | MCA | MOPD | FRAME | POLES | FUSE | NEMA | FBD | – P/ |
| IP4-1-16 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | ENCL | 26 | |
| P4-1-17 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | |
| CU4-1-18 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | 0.24 | 0.24 36 | 40 | 60 | 2 | 40 | 3R | 26 | |
| IP4-1-21 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | |
| IP4-1-22 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR TR | | 26 26 | — |
| P4-1-24 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | |
| IP4-1-25 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M ⁻ | TR TR | | 26 26 | |
| P4-1-27 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | <u> </u> |
| P4-1-28 | | 208 | 1 | | 0.24 | 0.24 | 15 | 60 | M | TR 40 | 20 | 26 | |
| P4-1-3 | INDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | 0.24 | 0.24 | 40 | 60 | M_ | 40 TR | ЗК | 26 | |
| P4-1-32 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | _ |
| P4-1-33 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | ir Tr | | 26 | |
| IP4-1-35 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR TR | | 26 | |
| IP4-1-36 IP4-1-37 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | ir TR | | 26 | |
| P4-1-38 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | |
| CU4-2-1 P4-2-11 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | 0.24 | 36 | 40 | 60 | 2 M | 40 TR | 3R | 26 26 | |
| P4-2-12 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | |
| P4-2-13 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M ⁻ | | | 26 | _ |
| P4-2-15 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | _ |
| P4-2-16 P4-2-17 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M ⁻ | TR TR | | 26 26 | _ |
| P4-2-18 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | |
| ;U4-2-2 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | 0.04 | 36 | 40 | 60 | 2 | 40 | 3R | 26 | N |
| r 4-2-21 P4-2-22 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M ⁻ | rk TR | | 26 26 | + |
| P4-2-23 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | + |
| r4-2-24 P4-2-25 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M ⁻ | rk TR | | 26 26 | + |
| P4-2-26 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | + |
| P4-2-27 P4-2-28 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M M | rr Tr | | 26 26 | _ |
| :U4-2-3 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | | 36 | 40 | 60 | 2 | 40 | 3R | 26 | 1 |
| P4-2-31 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M ⁻ | TR TP | • | 26 | _ |
| P4-2-32 P4-2-33 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M M | TR | | 26 | |
| P4-2-34 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | |
| P4-2-35 P4-2-36 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M M | TR | | 26 | + |
| P4-2-37 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | - |
| CU4-3-1 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | 0.24 | 36 | 40 | 60 | 2 | 40 | 3R | 26 | + |
| P4-3-11 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | ſR | | 26 | |
| P4-3-12 P4-3-13 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M ⁻ | TR TR | | 26 26 | + |
| P4-3-14 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | _ |
| P4-3-15 P4-3-16 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 15 | | M | TR TR | | 26 26 | _ |
| P4-3-17 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | ſR | | 26 | - |
| P4-3-18 | | 208 | 1 | | 0.24 | 0.24 | 15 40 | 60 | M ⁻ | TR 40 | 38 | 26 26 | |
| P4-3-21 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | 00 | M ⁻ | TR | 511 | 26 | |
| P4-3-22 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | — |
| IP4-3-23 IP4-3-24 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M ⁻ | TR | | 26 | _ |
| P4-3-25 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR TP | | 26 | |
| P4-3-26 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M M | TR | | 26 | + |
| P4-3-28 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | |
| DU4-3-3 | INDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | 0.24 | 36 0.24 | 40 | 60 | 2 M | 40 TR | 3R | 26 26 | _ |
| IP4-3-32 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | |
| P4-3-33 P4-3-34 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 15 | | M | TR TR | | 26 26 | _ |
| P4-3-35 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | |
| P4-3-36 P4-3-37 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR TR | | 26 26 | + |
| P4-3-38 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | 1 | 26 | _ |
| | | 000 | | | | | 40 | | | 40 | | | _ |
| 204-4-1 P4-4-11 | INDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | 0.24 | 36 | 40 | 60 | 2 M | 40 TR | 3R | 26 26 | _ |
| P4-4-12 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | |
| P4-4-13 P4-4-14 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 15 | | M | TR TR | | 26 26 | _ |
| P4-4-15 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | _ |
| P4-4-16 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 15 | | M ⁻ | TR TR | | 26 26 | _ |
| P4-4-18 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | 1 | 26 | _ |
| CU4-4-2 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | 0.04 | 36 | 40 | 60 | 2 | 40 | 3R | 26 | _ |
| P4-4-21 P4-4-22 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | + |
| P4-4-23 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M | | | 26 | |
| P4-4-24 P4-4-25 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M ⁻ | TR | | 26 | + |
| P4-4-26 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR TP | | 26 | |
| P4-4-27 P4-4-28 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 20 | |
| CU4-4-3 | OUTDOOR VRV - AIR-COOLED CONDENSING UNIT | 208 | 1 | | | 36 | 40 | 60 | 2 | 40 | 3R | 26 | |
| P4-4-31 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 15 | | M ⁻ | TR TR | | 26 26 | - |
| IP4-4-33 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | |
| IP4-4-34 IP4-4-35 | | 208 | 1 | | 0.24 | 0.24 | 15 | | M ⁻ | TR TR | | 26 26 | + |
| IP4-4-36 | INDOOR VRF UNIT | 208 | 1 | | 0.24 | 0.24 | 15 | | M | TR | | 26 | |
| IP4-4-37 IP4-4-38 | INDOOR VRF UNIT | 208 208 | 1 | | 0.24 | 0.24 | 15 15 | | M | TR TR | | 26 26 | + |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | ELECTRIC | AL SC | HED | DULE C | OF ME | CHAN | NICAL | EQUIP | MENT | | | | |
| TAC | ELECTRIC | | | | DF ME | CHAN | | EQUIP | | NNECT S | WITCH | | - |

| | | | | | | | | | DISCO | NNECT S | WITCH | | |
|----------|--|----------------------|-----------------|-----------------|-----------|----------|-------|-------|----------|---------|--------------|-----------|----------|
| TAG | DESCRIPTION | VOLTS | PH | LOAD | FLA | MCA | MOPD | FRAME | POLES | FUSE | NEMA ENCL | FBD | PAN |
| MUA-1-21 | MAKE-UP AIR UNIT SCHEDULE | 208 | 3 | 1HP | | 5.8 | 15 | | | FWE | | 1 | - |
| CUH-1-1 | HORIZ CAB - 1109 CORRIDOR | 120 | 1 | 0.08HP | 0.61 | 0.61 | 20 | | | FWE | | | EXIS |
| CUH-3-1 | VERTICAL CABINET - 1302 CORRIDOR | 120 | 1 | 0.08HP | 0.61 | 0.61 | 20 | | | FWE | | | EXIS |
| CUH-3-2 | VERTICAL CABINET - 1303 COMMANDANT LOBBY | 120 | 1 | 0.08HP | 0.61 | 0.61 | 20 | | | FWE | | | EXIS |
| CUH-3-3 | VERTICAL CABINET - 1307 CORRIDOR | 120 | 1 | 0.08HP | 0.61 | 0.61 | 20 | | | FWE | | | EXIS |
| CUH-3-4 | HORIZ RECESSED - 1317 VESTIBULE | 120 | 1 | 0.08HP | 0.61 | 0.61 | 20 | | | FWE | | | EXIS |
| CUH-4-1 | VERTICAL CABINET - S11 STAIR | 120 | 1 | 0.08HP | 0.61 | 0.61 | 20 | | | FWE | | | EXIS |
| CUH-4-2 | HORIZ RECESSED - 1426 CORRIDOR | 120 | 1 | 0.08HP | 0.61 | 0.61 | 20 | | | FWE | | | EXIS |
| CUH-4-3 | HORIX RECESSED - 1418 LOBBY | 120 | 1 | 0.08HP | 0.61 | 0.61 | 20 | | | FWE | | | EXIS |
| | | | | | | | | | | | | | |
| | NOTES: | | | | | | | | ABBREVI | ATIONS: | | | |
| 1 | LEAD/LAG. | | | | | | | | FWE | FURNISH | ED WITH I | EQUIPME | NT |
| 2 | DUCT SMOKE DETECTORS FURNISHED BY DIVISION 2 ALARM BY DIVISION 26. | 6, INSTALI | LED B | Y DIVISION | N 23, WIF | ED TO FI | RE | | NF | NOT FUS | ED | | |
| 3 | POWER TO CU BY DIVISION 26, WIRING BETWEEN AC | AND CU P | ROVIE | DED BY DIV | VISION 2 | 3. | | | SWBD | SWITCHE | BOARD | | |
| 4 | WIRE AND CONNECT MOTORIZED DAMPER AT EXHAU CIRCUIT THAT SUPPLIES FAN. | ST FAN. C | ONNE | CT DAMPI | ER TO SA | AME BRAI | NCH | | FBD | FURNISH | IED BY DIV | ISION | |
| 5 | UNIT IS CONSISTS OF MULTIPLE MOTORS FACTORY W | /IRED FOF | R SING | LE-POINT | POWER | CONNEC | TION. | | CBD | CONTRO | L WIRING | BY DIVISI | ION |
| 6 | CORD AND PLUG FURNISHED WITH EQUIPMENT, PRO | VIDE NEM | A 5-20 | RECEPTA | ACLE. | | | | | MOTOR F | RATED TO | GGLE SW | /ITCH (\ |
| 7 | PROVIDE SEPARATE CIRCUIT FOR CONTROL PANEL R EP1.0 FOR FURTHER INFORMATION. COORDINATE LO | REFER TO | MP1 F I FIEL | PANEL SCH D. | HEDULE | AND DRA | WING | | L | CURREN | T RATING | AND POL | E QTY / |
| 8 | DISCONNECT EXISTING UNIT HEATER AND RECONNED EXTEND WIRING WHERE REQUIRED TO POWER NEW | CT NEW U UNIT HEA | NIT H TER. | EATER TO | EXISTIN | G CIRCU | TRY. | | | | | | |
| 9 | IN ADDITION TO WIRING SHOWN, PROVIDE DUPLEX RI | ECEPTACI | LE FO | R PUMP C | ONTROL | LER. | | | | | | | |
| 10 | IN ADDITON TO WIRING SHOWN, PROVIDE DUPLEX RE | CEPTACL | .E FOF | R BOILER (| CONTRO | LLER. | | | | | | | |
| 11 | BID ALTERNATE #4 | | | | | | | | | | | | |



6

- 3

SCHEDULE OF PANEL

| | | VOLTACE | | MAINS | | | | | | | | | | | ACTIVE CIRCL | JIT BREA | AKERS | | | | - | | | | | SPARE | CDACE | тота | | AIC | ΝΟΤΓΩ |
|-------|----------|--------------------------|---------------|------------------|---------------|-----------|-----------|-----------|----------------------------|----------|----------|------------|----------|----------|-------------------|----------|---------|----------------|---------|----------|-----------|---------|---------|----------------------------|---------------------|------------|--------------|----------|-------------|--------|-------|
| PANEL | MOUNTING | VOLTAGE | TYPE | FEED | SIZE | 15/1 | 20/1 | 30/1 | 15/2 | 20/2 | 30/2 | 40/2 | 50/2 | 60/2 | | 30/3 | 40/3 | 3 60/3 70 |)/3 | 90/3 | 100/3 | 125/3 | 150/3 | 225/3 250/3 400/3 | | 20A/1P | SPACE | TOTAL | POLES | RATING | NOTES |
| P4B | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 100A | 6 | 4 | | | 2 | 2 | | | | | | | | | | | | | | | 1 | 5 | 24 | l I | | |
| P2B | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | | 14 | | | | 2 | | | | | | | | | | | | | | | 6 | 0 | 24 | l I | | |
| P2C | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 100A | 5 | 5 | | | | | | | | | | | | 1 | | | | | | | 0 | 11 | 24 | 1 | | |
| P2 | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 800A | | | | | | | | | | | | | | | 1 | 9 | | 2 | | | 0 | 0 | 36 | 5 | | |
| P3B | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | 2 | 5 | | | 2 | 2 | | | | | | | | 1 | | | | | | | 2 | 10 | 30 |) | | |
| P3C | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 100A | 6 | 3 | | | 2 | | | | | | | 1 | | | | | | | | | 1 | 7 | 24 | 1 | | |
| PGB | FLUSH | 208Y/120V, 3Ø, 4W | MLO | ТОР | 225A | 13 | 21 | | | | 1 | | | | | 1 | | | | | | | | | | 0 | 0 | 42 | 2 | | |
| PGR | FLUSH | 208Y/120V, 3Ø, 4W | MLO | ТОР | 100A | 6 | | | | | 2 | | | | | | 1 | | | | | | | | | 0 | 5 | 18 | 3 | | |
| P4C | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 100A | 8 | 3 | | 1 | 2 | | | | | | | | | | | | | | | | 0 | 6 | 24 | 1 | | |
| P1B | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | 4 | 5 | | | 2 | 1 | | | | | | | | | | | | | | | 0 | 10 | 34 | 1 | | |
| P1C | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 400A | 6 | 8 | | | 1 | 1 | 1 | | | | | | | | | | | 1 | 1 | | 0 | 8 | 34 | 1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | SCHEDULE NOTES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | All 15A-1P and 20A-1P | circuit break | ers in new or re | placed panel | s that se | erve dori | mitory li | ving area circuits (bedro | oms, liv | ving ro | oms, hall | ways, cl | osets, b | athrooms, laund | lry room | ns, lou | inge and simil | ar roo | ms in tl | he living | area) s | hall be | e provided as AFCI type br | eakers; verify exac | t quantity | required for | each pan | el in field | | |
| | 2 | All 30A-2P circuit breat | kers in new o | or replaced pane | ls that serve | existing | student | accessil | ole laundry dryers shall l | he nrov | vided av | s GECI tvr | e break | ers: ver | ify exact quantit | v requir | ed for | r each nanel i | n field | | | | | | | | | | | | |

All 30A-2P circuit breakers in new or replaced panels that serve existing student accessible laundry dryers shall be provided as GFCI type breakers; verify exact quantity required for each panel in field All 20A-1P circuit breakers in new or replaced panels that serve existing student accessible laundry washers shall be provided as GFCI type breakers; verify exact quantity required for each panel in field

SCHEDULE OF PANELS (PHASE 2 QUADRANT - GREEN)

| | | | | | | | | U | | | - 01 | | | | | | 0111 | | / | | | | | | | |
|-------|----------|--------------------------|---------------|-------------------|----------------|------------|----------|-------------------------|-------------|-----------|-----------|------------|------------------------|--------------------|-----------|----------|------------|---------|--------------|----------------|-------------------------|--------------------------|---------------|-----------------|----------------|-------|
| | | VOLTACE | | MAINS | | | | | | | | | ACTIVE | CIRCUIT BREAKE | RS | | | | | | | SPARE | SDACE | | | NOTES |
| PANEL | MOUNTING | VOLTAGE | TYPE | FEED | SIZE | 15/1 | 20/1 | 30/1 | 15/2 | 20/2 | 30/2 | 50/2 | 60/2 | 15/3 | 20/3 | 25/3 | 30/3 | 50/3 | 60/3 | 100/3 150/3 | | 20A/1P | SPACE | TOTAL POLE | AIC RATING | NUTES |
| L4A | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | 1 | 19 | 3 | | | | | | | | | | | | | | 4 | 3 | 30 | | |
| L3A | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | | 23 | 3 | | | | | | | | | | | | | | 0 | 4 | 30 | | |
| P2D | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | | 20 | | | | 2 | | | | | | | | | | | 0 | 0 | 24 | | |
| L2A | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | | 23 | 3 | | | | | | | | | | | | | | 0 | 4 | 30 | | |
| L1B | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | | 20 | 3 | | 1 | 1 | | | | | | 1 | | 1 | | | 0 | 3 | 36 | | |
| P3D | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | | 20 | | | | 2 | | | | | | | | | | | 0 | 0 | 24 | | |
| P4D | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | 1 | 19 | | | | 2 | | | | | | | | | | | 0 | 0 | 24 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | SCHEDULE NOTES: | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | All 15A-1P and 20A-1P | circuit break | kers in new or re | placed pane | els that s | erve dor | mitory living area cir | cuits (bedr | rooms, l | iving roc | oms, hallw | ays, closets, bathroo | oms, laundry roon | ns, loun | ge and s | similar r | ooms ir | n the living | area) shall be | provided as AFCI type b | preakers; verify exact o | quantity requ | ired for each p | anel in field. | |
| | 2 | All 30A-2P circuit break | kers in new o | or replaced pane | els that serve | e existing | studen | t accessible laundry of | dryers shal | l be pro | vided as | GFCI type | e breakers; verify exa | act quantity requi | red for e | each par | nel in fie | ld | | | | | | | | |
| | 3 | All 20A-1P circuit break | kers in new o | or replaced pane | els that serve | e existing | studen | t accessible laundry v | washers sh | all be pi | rovided a | as GFCI ty | pe breakers; verify e | xact quantity req | uired fo | r each p | anel in f | field | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

SCHEDULE OF PANELS (PHASE 3 QUADRANT - RED)

| | | | | | | | | 0011 | | | | | | ~~~ | | | | | / | | | | | | | | | | 1 | |
|-------|----------|--------------------------|---------------|------------------|----------------|-----------|---------------|------------------------------|------------|----------|----------|------------|------------------------|---------|---------|------------|-------|-----------|---------|-----------|---------|--------|---------------|------------|----------------|--------------------|--------------|------------------|----------------|-------|
| | | | | MAINS | | | | | | | | | ACTIVE CIRCU | IT BRI | EAKERS | 5 | | | | | | | | | | SPARE | CDACE | | AIC | NOTES |
| PANEL | MOONTING | VOLTAGE | TYPE | FEED | SIZE | 15/1 | 20/1 3 |)/1 | 20/2 | 30/2 | 2 50/2 | 2 60/2 | | 1 | 15/3 | 20/3 2 | 25/3 | 30/3 | 50, | /3 60/ | /3 10 | 0/3 | 150/3 | | | 20A/1P | SPACE | TOTAL POLE | RATING | NOTES |
| L3B | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | | 22 | 3 | | | | | | | | | | | | | | | | | | 5 | 0 | 30 | | |
| P3E | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | | 14 | | | 2 | | | | | | | | | | | | | | | | 6 | 0 | 24 | | |
| L2B | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | | 22 | 2 | | | | | | | | | | | | | | | | | | 2 | 4 | 30 | | |
| L1C | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | | 32 | | | | | | | | | | | | | | | | | | | 4 | 0 | 36 | | |
| P2E | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | | 14 | | | 2 | | | | | | | | | | | | | | | | 6 | 0 | 24 | | |
| L4B | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | | 24 | 2 | | | | | | | | | | | | | | | | | | 0 | 4 | 30 | | |
| P4E | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | 1 | 19 | | | 2 | | | | | | | | | | | | | | | | 0 | 0 | 24 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | SCHEDULE NOTES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | All 15A-1P and 20A-1P | circuit break | ers in new or re | eplaced pane | ls that s | erve dormito | ry living area circuits (bed | rooms, l | iving ro | ooms, ha | allways, c | osets, bathrooms, la | undry | rooms | , lounge | and s | similar ı | rooms | in the li | ving a | rea) s | hall be provi | ided as AF | CI type breake | rs; verify exact o | quantity req | uired for each p | anel in field. | |
| | 2 | All 30A-2P circuit breal | kers in new o | r replaced pan | els that serve | existing | g student acc | essible laundry dryers sha | ll be pro | vided a | s GFCI t | ype breal | ers; verify exact qua | ntity r | equire | d for eac | h par | nel in fi | eld. | | | | | | | | | | | |
| | 3 | All 20A-1P circuit breal | kers in new o | r replaced panel | els that serve | existing | g student acc | essible laundry washers sl | nall be pi | rovided | l as GFC | I type bre | akers; verify exact qu | antit | , requi | red for ea | ach p | anel in | field." | , | | | | | | | | | | |
| | | | | - · · | | | - | | · | | | | · · · | | | | | | | | | | | | | | | | | |
| | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SCHEDULE OF PANELS (PHASE 4 QUADRANT - YELLOW)

| DANEL | | | | MAINS | | | | | | | | | | ACTI | VE CIRCUIT | T BREAKE | RS | | | | | | | | | SPA | ،RE | CDACE | | | |
|-------|----------|-------------------------|---------------|------------------|----------------|-------------|-----------|------------------|-------------|-----------|-------------------|--------------|---------------|---------------|-------------|-------------|------------|------------|-----------|------------|------------|-----------|---------|-------------|-----------------|------------------|---------|---------------|---------------|------------|----------|
| PANEL | MOONTING | VOLTAGE | TYPE | FEED | SIZE | 15/1 | 20/1 | 30/1 | 15/2 | 20/2 | 30/2 40/2 5 | 50/2 60/ | /2 | 15/3 20 | 0/3 25/3 | 3 30/3 | 40/3 | 50/3 6 | 60/3 7 | 0/3 90/ | /3 100/3 | 3 125/3 | 150/3 | 200/3 2 | 25/3 400/3 | 20A | /1P | SPACE | | S AIC RATI | IG NOTES |
| PGC | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 100A | 7 | 11 | | | | 1 | | | | | 1 | | | | | | | | | | 1 | | 0 | 24 | | |
| P2A | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | 1 | 5 | | | 2 | | | | | | | | | | | 1 | | | | | 1 | | 17 | 30 | | |
| EP2B | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | 5 | 6 | | | 2 | | | | | | | | | | | | 1 | | | | 0 | 1 | 12 | 30 | 10K | |
| P2F | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 400A | 3 | 9 | | | 2 | 2 | | | | | | | | | | 1 | | | | | 0 | 1 | 9 | 32 | 10K | |
| P3F | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | 3 | 10 | 2 | | 2 | | | | | | | | | | 1 | | | | | | 0 | 1 | 14 | 36 | | |
| P3A | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 100A | 1 | 6 | | | 2 | | | | | | | | | 1 | | | | | | | 0 | 1 | 10 | 24 | | |
| MP11 | SURFACE | 208Y/120V, 3Ø, 4W | MLO | ТОР | 800A | | | | | | | | | | | | | | | | | | | 2 | 2 1 | 0 | 1 | 3 | 18 | 10K | |
| EP3B | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | 12 | 8 | | | 1 | | | | | 1 | | | | | | | | 2 | | | 0 | / | 7 | 30 | | |
| EP4B | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 100A | 13 | 7 | | | 2 | | | | | | | | | | | | | | | | 0 | 1 | 6 | 30 | | |
| EP1B | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | 5 | 15 | | | 2 | | | | | | | | | | 1 | | | | | | 20 | J | 19 | 48 | | |
| P4A | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 100A | 6 | 5 | | | 2 | | | | | | | | | | | | | | | | 0 | 1 | 9 | 24 | | |
| P4F | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 100A | 1 | 19 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | 0 | 1 | 5 | 36 | | |
| P1A | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 400A | 6 | 3 | | | 1 | | | | | | 2 | | | | | 1 | | 1 | | | 0 | 1 | 19 | 42 | | |
| P4F | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 100A | 1 | 19 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | 0 | 1 | 5 | 36 | | |
| P1CE | FLUSH | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 400A | 7 | 8 | | | 1 | 1 1 | | | | | | | | | | | | | | | 0 | 1 | 9 | 34 | 10K | |
| | | | | | | | | | | | | | | | | | | · · · | | | | | | | | | | | | | |
| | | SCHEDULE NOTES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | All 15A-1P and 20A-1P | circuit break | ers in new or re | eplaced pane | els that se | erve dorr | nitory living ar | ea circuits | (bedroo | oms, living rooms | s, hallways, | , closets, ba | athrooms, la | aundry roc | oms, loun | ge and sim | nilar rooi | ms in the | living are | a) shall b | e provide | d as AF | CI type bre | akers; verify e | exact quantity r | equired | l for each pa | nel in field. | | |
| | 2 | All 30A-2P circuit brea | kers in new o | r replaced pane | els that serve | e existing | student | accessible laur | ndry dryer | shall be | e provided as GF | Cl type bre | eakers; veri | fy exact qu | antity requ | uired for e | each panel | in field | | | | | | | | | | | | | |
| | 3 | All 20A-1P circuit brea | kers in new o | r replaced pane | els that serve | e existing | student | accessible laur | ndry wash | ers shall | be provided as G | GFCI type b | oreakers; ve | erify exact q | quantity re | equired fo | r each pan | el in fiel | d. | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SCHEDULE OF PANELS (EXISTING TO REMAIN)

| DANEL | | VOLTACE | | MAINS | | | | | | | | ACTIV | E CIRCUIT | F BREAKERS | | | | | | | | | SPARE | | | | NOTE |
|-------|----------|-------------------|------|--------|------|------|------|------|----------|-------|------|-----------------|-----------|------------|------|------|--------|------|------|-------------------|---------|-------|--------|-------|----|------------|------|
| PANEL | MOUNTING | VOLTAGE | TYPE | FEED | SIZE | 15/1 | 20/1 | 30/1 | 20/2 25/ | 2 30/ | /2 5 | 50/2 60/2 100/2 | | 15/3 20/3 | 30/3 | 35/3 | 3 40/3 | 60/3 | 90/3 | 100/3 150/3 175/3 | 225/3 5 | 500/3 | 20A/1P | SPACE | | AIC RATING | NOTE |
| P1E | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 100A | | 17 | | | | | | | 1 | | | | | | | | | 10 | 0 | 30 | 10K | |
| C4A | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 125A | | 13 | | | | | | | | | | | | | | | | 9 | 8 | 30 | | |
| C4C | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 125A | | 21 | | | | | | | | | | | | | | | | 3 | 6 | 30 | | |
| C3A | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 125A | | 20 | | | | | | | | | | | | | | | | 2 | 2 | 24 | | |
| C3B | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 125A | | 37 | | | | | | | | | | | | | | | | 0 | 5 | 42 | | |
| C3C | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 125A | | 21 | | | | | | | | | | | | | | | | 3 | 6 | 30 | | |
| C2A | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 125A | | 19 | | | | | | | | | | | | | | | | 3 | 2 | 24 | | |
| EP2 | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | | 7 | | | | | | | | | | | | 1 | | | | 32 | 0 | 42 | | |
| C2B | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 125A | | 34 | | | | | | | | | | | | | | | | 2 | 6 | 42 | | |
| C2C | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 125A | | 21 | | | | | | | | | | | | | | | | 3 | 6 | 30 | | |
| EP2A | SURFACE | 208Y/120V, 3Ø, 4W | MLO | ТОР | 125A | | 19 | | | | | | | | | | | | | | | | 5 | 0 | 24 | | |
| C1B | SURFACE | 208Y/120V, 3Ø, 4W | MCB | ТОР | 200A | | 6 | | | | | | | | | | | | | 3 | | | 6 | 9 | 24 | | |
| P1D | SURFACE | 208Y/120V, 3Ø, 4W | MCB | ТОР | 100A | | 7 | | 1 | | | | | 1 | | | | | | 1 | | | 27 | 0 | 42 | | |
| C1C | SURFACE | 208Y/120V, 3Ø, 4W | MCB | BOTTOM | 200A | | 3 | | | | | | | | | | | | | 3 | | | 0 | 12 | 24 | 10K | |
| C1A | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 225A | | 33 | | | | | | | | | | | | | 3 | | | 0 | 0 | 42 | 10K | |
| EB | SURFACE | 208Y/120V, 3Ø, 4W | MLO | ТОР | 200A | | 9 | | | | | | | | | | | | | 1 | | | 0 | 2 | 18 | 10K | |
| EMPD | SURFACE | 208Y/120V, 3Ø, 4W | MLO | ТОР | 800A | | | | | | | | | | | | | | | 1 1 | 2 | 1 | 0 | 9 | 24 | 22K | |
| P1 | SURFACE | 208Y/120V, 3Ø, 4W | MCB | ТОР | 150A | | 22 | | 1 | | | | | 4 5 | 1 | 2 | | | | | | | 0 | 0 | 60 | 10K | |
| EB1 | SURFACE | 208Y/120V, 3Ø, 4W | MLO | ТОР | 225A | 9 | 9 | 1 | 1 | 1 | | 1 | | 2 | | | | | | 2 | | | 0 | 11 | 48 | | |
| PGA | SURFACE | 208Y/120V, 3Ø, 4W | MLO | ТОР | 225A | | 39 | | | | | | | | | | 1 | | | | | | 0 | 0 | 42 | | |
| C4B | SURFACE | 208Y/120V, 3Ø, 4W | MLO | BOTTOM | 125A | | 36 | | | | | | | | | | | | | | | | 0 | 6 | 42 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | SCHEDULE NOTES: | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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С

| LS (| (PHASE 1 QUADRANT - BLUE) | |
|------|---------------------------|--|
| | | |

| Swit | chboard: MDS | | | | | | | |
|-------------------|---------------------------|--------------|---------------------|----------------|-------------------|--------------|--|------------|
| | Location: ELECTRICAL G113 | | | Volts: 120/208 | Wye | A.I.C | . Rating: TE | D |
| | Supply From: | | | Phases: 3 | | Mai | ns Type: MI | _0 |
| | Mounting: Floor | | | Wires: 4 | | Mains | s Rating: 30 | 00 A |
| | Enclosure: 1 | | | | | MCE | B Rating: | |
| | | | | | | | , and the second s | |
| otes: | | | | | | | | |
| СКТ | Circuit Description | | # of Poles | Frame Size | e Trip Rating | Load | Remarks | |
| 1 | INCOMING PULL SECTION | | 3 | 3000 A | 400 A | 0 VA | | SECTION D1 |
| 2 | MDP(E) | | 3 | 800 A | 500 A | 0 VA | | SECTION D2 |
| 3 | MP111(R) | | 3 | 800 A | 800 A | 0 VA | | SECTION D2 |
| 4 5 | | | <u> </u> | 100 A | 100 A | 0 VA | | SECTION D2 |
| 6 | L1C-P1E | | 3 | 100 A | 100 A | 0 VA | | SECTION D2 |
| 7 | C1B | | 3 | 225 A | 225 A | 0 VA | | SECTION D2 |
| 8 | C1C | _ | \sim | 225 A | 225 A | 0 VA | | SECTION D2 |
| 9 | P1B, 2B, 3B, 4B | | | 225 A | 225 A | 0 VA | | SECTION D2 |
| 10 | P1A, 2A, 3A, 4A, 5A, 6A | | | 225 A | 225 A | 0 VA | | SECTION D2 |
| 11 12 | | | | 225 A 225 A | 225 A 225 Δ | | | |
| 13 | L4A-P4D | | | 225 A | 225 A | 0 VA | | SECTION D2 |
| 14 | L2B-P2E | | { 3 } | 225 A | 225 A | 0 VA | | SECTION D2 |
| 15 | L2A-P4D | | E 3 A | 225 A | 225 A | 0 VA | | SECTION D2 |
| 16 | L3A-P3D | | <u> </u> | 225 A | 225 A | 0 VA | | SECTION D2 |
| 17 | Space | | 3 | 225 A | 225 A | 0 VA | | SECTION D2 |
| 18 | Space | | 3 | 225 A | 225 A | U VA | | SECTION D2 |
| 20 | MP4A | | <u> </u> | 400 A | 400 A | 71318 VA | | SECTION D3 |
| 21 | MP4B | | 3 | 400 A | 400 A | 71318 VA | | SECTION D3 |
| 22 | MP4C | | 3 | 400 A | 400 A | 71318 VA | | SECTION D3 |
| 23 | MP4D | | 3 | 400 A | 400 A | 71318 VA | | SECTION D3 |
| 24 | Space | | 3 | 100 A | 100 A | 0 VA | | SECTION D3 |
| $\frac{25}{26}$ | | \mathbf{m} | | | | | | SECTION D3 |
| 20 | HVAC DOAS R-12 | | 3 | 100 A | 50 A | 14122 VA | | SECTION D3 |
| 28 | HVAC DOAS R-21 | | 3 | 100 A | 100 A | 29830 VA | | SECTION D3 |
| 29 | HVAC DOAS R-22 | | 3 | 100 A | 50 A | 14122 VA | | SECTION D3 |
| 30 | HVAC DOAS R-31 | | 3 | 100 A | 100 A | 29830 VA | | SECTION D3 |
| 31 | HVAC DOAS R-32 | | 3 | 100 A | 50 A | 14122 VA | | SECTION D3 |
| 32 | HVAC DOAS R-41 | | 3 | 100 A | 100 A | 29830 VA | | SECTION D3 |
| 33 | HVAC DOAS R-42 | | 3 | 100 A | 50 A | 14122 VA | | SECTION D3 |
| viju | Juliun Space | uuu | maya | un 225 A | mangana | myym | mm | SECTION D3 |
| 36 | Space | | 3 | 225 A | 225 A | 0 VA | | SECTION D3 |
| 37 | Space | | 3 | 225 A | 225 A | 0 VA | | SECTION D3 |
| 38 | | | | | | | | |
| 39 | | | | | | | | |
| 40 | | | | | Total Conn. Load: | 461080 \/A | | |
| | | | | | Total Amps: | 1280 A | | |
| gend: | | | | | • | | | |
| nad Clas | sification | Conne | ected Load | Demand Factor | Estimated Demand | | Danol | Totals |
| VAC | | 458 | 3200 VA | 100.00% | 458200 VA | | i allel | |
| eceptacle | 9 | 28 | 380 VA | 100.00% | 2880 VA | Total (| Conn. Load: | 461080 VA |
| | | | | | | Total Es | st. Demand: | 461080 VA |
| | | | | | | - | Total Conn.: | 1280 A |
| | | | | | | Total Es | st. Demand: | 1280 A |
| | | | | | | | | |

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Lighting and Appliance Panelboard:

MP4A

| Å | A.I.C. Main | Rati s Ty |
|---|----------------|--------------|
| | Bus | Rati |

| | Location: STOR. Supply From: MDS Mounting: Surfac | 400.70 e | | | | Volts Phases Wires | : 120/20 :: 3 :: 4 |)8 Wye | | | ۵ ا | LI.C. Rat Mains T Bus Rat NCB Rat |
|---------|---|-------------|-------------------------|---|----------------------------|--------------------------|--------------------------|---|-----------------------|-------|--------|--|
| | | Trip | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | \$¥\$}~~ | ~~ R (4 | 6¥ 4 }~~~ | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | \$X \$ }~~ | | Trip | |
| | | Anips | Poles | 0 | 0 | | | | | Poles | Amps | Spara |
| 3 | Spare | 20 | 1 | 0 | 0 | 0 | 0 | | | 1 | 20 | Spare |
| 5 | Spare | 20 | 1 | | | 0 | 0 | 0 | 0 | 1 | 20 | Spare |
| ÿu | | mantin | win | بعهجهن | wyw | ww | \dots | uŭu | ww | سنسه | the | - |
| 9 | DFF R-4 | 20 | 3 | | 0.1 | 11 | 37 | | | 2 | 40 | HVAC |
| 11 | | 20 | Ŭ | | | | 0.1 | 1.1 | 3.7 | | | |
| 13 | | | - | 3.7 | 3.7 | | | | | 2 | 40 | HVAC |
| 5 | HVAC CU2-4-3 | 40 | 2 | | | 3.7 | 3.7 | | | | 4.0 | |
| 17 | | 40 | • | | | | | 3.7 | 3.7 | 2 | 40 | HVAC |
| 19 | HVAC CU3-4-2 | 40 | 2 | 3.7 | 3.7 | | | | | • | 40 | |
| 21 | | 40 | <u> </u> | | | 3.7 | 3.7 | | | 2 | 40 | HVAC |
| 23 | HVAC CU4-4-1 | 40 | 2 | | | | | 3.7 | 3.7 | 2 | 40 | |
| 25 | | 40 | 2 | 3.7 | 3.7 | | | | | | 40 | |
| 27 | HVAC C04-4-3 | 40 | 2 | | | 3.7 | 0.7 | | | 1 | 20 | RÓÓF |
| 29 | Spare | 20 | - - 1 - - | **** | | | | 0 | 0 | 1 | 20 | Spare |
| 31 | Spare | 20 | 1 | 0 | 0 | | | | | 1 | 20 | Spare |
| 33 | Spare | 20 | 1 | | | 0 | 0 | | | 1 | 20 | Spare |
| 35 | Spare | 20 | 1 | | | | | 0 | 0 | 1 | 20 | Spare |
| 37 | Spare | 20 | 1 | 0 | 0 | | | | | 1 | 20 | Spare |
| 39 | Spare | 20 | 1 | | | 0 | 0 | | | 1 | 20 | Spare |
| 41 | Spare | | | | | | | 0 | 0 | 1 | 20 | Spare |
| \sim | | Tota | I Load: | 27.3 | S KVA | 24.3 | KVA | 19.8 | 3 KVA | | ~~~~ | ~~~~ |
| | | — 4 | | ~ ~ ~ | ~ . | ~~~ | o . | 40 | | | | |

| Location: STOR. 400. Supply From: MDS Mounting: Surface | .53 Trip 20 20 20 20 20 20 20 20 20 20 20 | Poles 1 1 1 1 1 1 | •••• ~ • \ | (VA) 1.1 | Volts Phases Wires B (k | : 120/20 : 3 : 4 | 8 Wye C (k | (VA) | | A I N Trip | .I.C. Rating: 10kA Mains Type: MLO Bus Rating: 400 A ICB Rating: - | |
|--|---|---|---|--|---|--|--|--|--|---|---|---|
| Circuit Description | Trip 20 20 20 20 20 20 20 20 | Poles 1 1 1 1 1 1 | ••••••• 0 | (VA) 1.1 | B (k | (VA) | C (k | (VA) | | Trip | | |
| e e e e e e c C CU2-1-1 | 20 20 20 20 20 20 20 20 | 1 1 1 1 | 0 | 1.1 | 1 | | | | Poles | Amps | Circuit Description | CKT |
| e e e e e C CU2-1-1 | 20 20 20 20 20 20 | 1 1 1 | | | 1 | | | | | | | 2 |
| e e e e e c CU2-1-1 | 20 20 20 20 | 1 | | | 30 | 1.1 | | | 3 | 20 | HVAC - DEF R-1 | 4 |
| 9 9 9 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 20 20 20 | 1 | | | <u> </u> | | 0 | 1.1 | | | | 6 |
| 9 9 | 20 | | 0 | 3.7 | 3 | 0.7 | | | 2 | 40 | HVAC CU2-1-2 | 8 |
| C CU2-1-1 | 20 | | | | 50 | 3.7 | 0 | 0.7 | | | | 10 |
| C CU2-1-1 | | <u>www</u> | anna a | man | <u>ر</u> | | 0 | 3.7 | 2 | 40 | HVAC CU2-1-3 | 12 |
| | 40 | 2 | 3.7 | 3.7 | 27 | 27 | | | | | | 14 |
| | | | | | 3.7 | 3.7 | 27 | 27 | 2 | 40 | HVAC CU3-1-1 | 10 |
| C CU3-1-2 | 40 | 2 | 37 | 37 | | | 5.7 | 5.7 | | | | 20 |
| | | | 5.7 | 5.7 | 37 | 37 | | | 2 | 40 | HVAC CU3-1-3 | 20 |
| C CU4-1-1 | 40 | 2 | | | 5.1 | 5.7 | 37 | 37 | | | | 22 |
| | | | 37 | 37 | | | 0.1 | 0.1 | 2 | 40 | HVAC CU4-1-2 | 26 |
| C CU4-1-3 | 40 | 2 | • | | 3.7 | 0.7 | | | 1 | 20 | ROOFTOP RECS | 28 |
| \mathbf{y} | 20 | m | \cdots | | | min | <u> </u> | <u> </u> | 1 | 20 | Spare | 30 |
| 9 | 20 | 1 | 0 | 0 | | | | | 1 | 20 | Spare | 32 |
| 9 | 20 | 1 | | | 0 | 0 | | | 1 | 20 | Spare | 34 |
| 9 | 20 | 1 | | | | | 0 | 0 | 1 | 20 | Spare | 36 |
| 9 | 20 | 1 | 0 | 0 | | | | | 1 | 20 | Spare | 38 |
| 9 | 20 | 1 | | | 0 | 0 | | | 1 | 20 | Spare | 40 |
| 9 | 20 | 1 | | | | | 0 | 0 | 1 | 20 | Spare | 42 |
| | Tota | I Load: | 27.3 | KVA | 24.3 | KVA | 19.8 | KVA | | | | |
| | Tota | al Amp: | 23 | 3 A | 208 | 8 A | 16 | 5 A | | | | |
| | | | | | | | | | | | | |
| | CU4-1-1 CU4-1-3 | CU4-1-1 40 CU4-1-3 40 20 20 20 20 20 20 20 20 20 2 | CU4-1-1 40 2 CU4-1-3 40 2 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 70tar Load: Total Amp: | CU4-1-1 40 2 CU4-1-3 40 2 20 1 0 20 </td <td>CU4-1-1 40 2 CU4-1-3 40 2 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 20 20 1 20 20 1 20 20 1 20 20 1 23 Total Amp: 233 A</td> <td>CU4-1-1 40 2 3.7 3.7 CU4-1-3 40 2 3.7 3.7 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 23 23</td> <td>CU4-1-1 40 2 3.7 3.7 0.7 CU4-1-3 40 2 3.7 3.7 0.7 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 20 1 0 0 0 Total Loadi: 2/3 KVA 2/4.3 KVA Z33 A 208 A</td> <td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td> <td>CU4-1-1 40 2 3.7 3.7 3.7 3.7 3.7 CU4-1-3 40 2 3.7 3.7 0.7 0.7 0.7 20 1 0 0 0 0 0 0 20 1 0 0 0 0 0 0 20 1 0 0 0 0 0 0 20 1 0 0 0 0 0 0 20 1 0 0 0 0 0 0 20 1 0 0 0 0 0 0 20 1 0 0 0 0 0 0 20 1 0 0 0 0 0 0 Total Amp: 233 A 208 A 165 A</td> <td>CU4-1-1 40 2 3.7 3.7 3.7 3.7 3.7 3.7 2 CU4-1-3 40 2 3.7 3.7 0.7 0 0 1 20 1 0 0 0 0 1 1 20 1 0 0 0 1 1 20 1 0 0 1 1 1 20 1 0 0 0 1 1 20 1 0 0 0 1 1 1 20 1 0 0 0 1</td> <td>CU4-1-1 40 2 3.7 3.7 3.7 3.7 3.7 3.7 2 40 CU4-1-3 40 2 3.7 3.7 3.7 0.7 0 1 20 20 1 0 0 0 0 0 1 20 20 1 0 0 0 0 1 20 20 1 0 0 0 0 1 20 20 1 0 0 0 0 1 20 20 1 0 0 0 0 1 20 20 1 0 0 0 1 20 20 1 0 0 0 1 20 20 1 0 0 0 1 20 20 1 0 0 0 1 20 20 1 20 0 0 0 1 20 20 1 23 23</td> <td>CU4-1-1 40 2 3.7 3.7 3.7 3.7 3.7 3.7 2 40 HVAC CU4-1-2 CU4-1-3 40 2 3.7 3.7 0.7 1 20 HVAC CU4-1-2 20 1 0 0 0 0 1 20 Spare 20 1 0 0 0 0 1 20 Spare 20 1 0 0 0 0 1 20 Spare 20 1 0 0 0 0 1 20 Spare 20 1 23 A 208 A 165 A 100 100 100 100 100 100 <</td> | CU4-1-1 40 2 CU4-1-3 40 2 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 0 20 1 20 20 1 20 20 1 20 20 1 20 20 1 23 Total Amp: 233 A | CU4-1-1 40 2 3.7 3.7 CU4-1-3 40 2 3.7 3.7 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 0 0 20 1 23 23 | CU4-1-1 40 2 3.7 3.7 0.7 CU4-1-3 40 2 3.7 3.7 0.7 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 0 0 0 0 20 1 20 1 0 0 0 Total Loadi: 2/3 KVA 2/4.3 KVA Z33 A 208 A | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | CU4-1-1 40 2 3.7 3.7 3.7 3.7 3.7 CU4-1-3 40 2 3.7 3.7 0.7 0.7 0.7 20 1 0 0 0 0 0 0 20 1 0 0 0 0 0 0 20 1 0 0 0 0 0 0 20 1 0 0 0 0 0 0 20 1 0 0 0 0 0 0 20 1 0 0 0 0 0 0 20 1 0 0 0 0 0 0 20 1 0 0 0 0 0 0 Total Amp: 233 A 208 A 165 A | CU4-1-1 40 2 3.7 3.7 3.7 3.7 3.7 3.7 2 CU4-1-3 40 2 3.7 3.7 0.7 0 0 1 20 1 0 0 0 0 1 1 20 1 0 0 0 1 1 20 1 0 0 1 1 1 20 1 0 0 0 1 1 20 1 0 0 0 1 1 1 20 1 0 0 0 1 | CU4-1-1 40 2 3.7 3.7 3.7 3.7 3.7 3.7 2 40 CU4-1-3 40 2 3.7 3.7 3.7 0.7 0 1 20 20 1 0 0 0 0 0 1 20 20 1 0 0 0 0 1 20 20 1 0 0 0 0 1 20 20 1 0 0 0 0 1 20 20 1 0 0 0 0 1 20 20 1 0 0 0 1 20 20 1 0 0 0 1 20 20 1 0 0 0 1 20 20 1 0 0 0 1 20 20 1 20 0 0 0 1 20 20 1 23 23 | CU4-1-1 40 2 3.7 3.7 3.7 3.7 3.7 3.7 2 40 HVAC CU4-1-2 CU4-1-3 40 2 3.7 3.7 0.7 1 20 HVAC CU4-1-2 20 1 0 0 0 0 1 20 Spare 20 1 0 0 0 0 1 20 Spare 20 1 0 0 0 0 1 20 Spare 20 1 0 0 0 0 1 20 Spare 20 1 23 A 208 A 165 A 100 100 100 100 100 100 < |

| - 1014 | | |
|---------------------|-------|--------------|
| | | |
| e: MLO | | |
| g: 400 A | | |
| j: - | | |
| | | |
| | | |
| Circuit Description | CKT | 3 |
| | 2 | 5 |
| | 4 | २ |
| | . 6 | 5 |
| | - yer | |
| 2-4-1 | 10 | |
| 2 4 2 | 12 | |
| 2-4-2 | 14 | |
| 3_4_1 | 16 | |
| | 18 | |
| 3-4-3 | 20 | |
| 0.10 | 22 | |
| 4-4-2 | 24 | |
| | ాన్లా | \mathbf{n} |
| P RECS | 20 | 5 |
| | 30 | } |
| | 34 | 3 |
| | 36 | 3 |
| | 38 | { |
| | 40 | 5 |
| | 42 | 2 |
| | un | |
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| igh | Location: STOR. 4 Supply From: MDS Mounting: Flush | anelbo 00.27 | oard: | | | Volts Phases Wires | MP 4 :: 120/20 :: 3 :: 4 | 4C ¹⁸ Wye | | | A | LI.C. Rating: 10kA Mains Type: MLO Bus Rating: 400 A MCB Rating: - | |
|----------------|--|-----------------|---------|----------|------------------------|--------------------------|--|---|--|-------|-------------|--|---|
| <u></u> | | Trip | | ~~~~ | \$¥ \$ }~~~ | ~~~B(l | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ۲ | | Trip | | |
| | | Amps | Poles | | 0 | | | | | Poles | Amps | Circuit Description | CKI |
| 2 | Spare | 20 | 1 | U | 0 | 0 | 0 | | | 1 | 20 | Spare | 2 |
| <u>)</u> 5 | Spare | 20 | | | | 0 | U | 0 | 0 | 1 | 20 | Spare | 4 6 |
| ý m | | | win | بعهمهم | hage | uu | ~~~ | | www | win | | | manja |
| <u>א</u> | HVAC DEER-2 | 20 | 3 | 1.1 | 0.7 | 11 | 37 | | | 2 | 40 | HVAC - CU2-2-1 | 10 |
| , 1 | | 20 | | | | | 0.1 | 1.1 | 3.7 | | | | 10 |
| 3 | | | | 3.7 | 3.7 | | | | 0.1 | 2 | 40 | HVAC CU2-2-2 | 14 |
| 5 | HVAC CU2-2-3 | 40 | 2 | - | - | 3.7 | 3.7 | | | 0 | 40 | | 16 |
| 7 | | 40 | 2 | | | | | 3.7 | 3.7 | 2 | 40 | HVAC CU3-2-1 | 18 |
| 9 | HVAC CU3-2-2 | 40 | 2 | 3.7 | 3.7 | | | | | 2 | 40 | | 20 |
| 1 | | 40 | 2 | | | 3.7 | 3.7 | | | 2 | 40 | 11VAC C03-2-3 | 22 |
| 3 | 11740 004-2-1 | | 2 | | | | | 3.7 | 3.7 | 2 | 40 | HVAC CU4-2-2 | 24 |
| 25 | HVAC CU4-2-3 | 40 | 2 | 3.7 | 3.7 | | | | | | \sim | | $\sim \sim $ |
| <u> </u> | ~~~~~ | | | ~~~~ | $ \longrightarrow $ | | | | $ \mathbf{h} \mathbf{h} \mathbf{h} \mathbf{h} \mathbf{h} \mathbf{h} \mathbf{h} \mathbf{h}$ | | 20 | ROOFTOP RECS | 28 |
| 9 | Spare | 20 | 1 | 0 | 0 | | | 0 | 0 | 1 | 20 | Spare | 30 |
| 3 | Spare | 20 | 1 | 0 | 0 | 0 | 0 | | | 1 | 20 | Spare | 3/ |
| 5 | Spare | 20 | 1 | | | 0 | 0 | 0 | 0 | 1 | 20 | Spare | 36 |
| 7 | Spare | 20 | 1 | 0 | 0 | | | 0 | 0 | 1 | 20 | Spare | 38 |
| 9 | Spare | 20 | 1 | <u> </u> | | 0 | 0 | | | 1 | 20 | Spare | 40 |
| 1 | Spare | 20 | 1 | | | | | 0 | 0 | 1 | 20 | Spare | 42 |
| Ś | | مشمستمية | i Load: | بممد | KVA | 1 | KVA | ممجه | KVA | mm | min | himmen han have a second de la construcción de la c | min |
| es: | | Tota | al Amp: | 23 | 3 A | 20 | 8 A | 16 | 5 A | | | | |

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| -igł | nting and Appliance F | Panelbo | bard | • | | | MP | 4D | | | | | |
|---|-----------------------|----------------|-------------|---|--|------|---------------------|------|---|--|------|---------------------|--------------|
| Location: STOR. 400.07 Supply From: MDS Mounting: Surface | | | | Volts: 120/208 Wye Phases: 3 Wires: 4 | | | | | A.I.C. Rating: 10kA Mains Type: MLO Bus Rating: 400 A | | | | |
| | | | | | | | | | MCB Rating: - | | | | |
| 2022 | | Trip | <u></u> | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ~~B(| 6¥ 4 }~~ | ᠇᠆᠆ᠮ | \$¥\$}~~ | | Trip | | |
| CKT | Circuit Description | Amps | Poles | | | | | | | Poles | Amps | Circuit Description | СКТ |
| 1 | Spare | 20 | 1 | 0 | 0 | | | | | 1 | 20 | Spare | 2 |
| 3 | Spare | 20 | 1 | | | 0 | 0 | | 0 | 1 | 20 | Spare | 4 |
| 5 *** | Spare | $\frac{20}{2}$ | <u>ulu</u> | | have | here | hun | his | uu | hai | | Spare | <u>manya</u> |
| / D | | 20 | 2 | 1.1 | 3.7 | 11 | 27 | | | 2 | 40 | HVAC CU2-3-1 | 0 |
| 9 | IVAC DEF K-3 | 20 | 3 | | | 1.1 | 5.7 | 11 | 27 | | | | 10 |
| 11 12 | | | | 37 | 37 | | | 1.1 | 5.7 | 2 | 40 | HVAC CU2-3-2 | 1/ |
| 15 | HVAC CU2-3-3 | 40 | 2 | 5.7 | 5.7 | 37 | 37 | | | | | [| 14 |
| 17 | | | | | | 0.7 | 0.7 | 37 | 37 | 2 | 40 | HVAC CU3-3-1 | 18 |
| 19 | HVAC CU3-3-2 | 40 | 2 | 37 | 37 | | | 0.1 | 0.1 | | | | 20 |
| 21 | | | | 0.7 | 0.7 | 37 | 37 | | | 2 | 40 | HVAC CU3-3-3 | 22 |
| 23 | HVAC CU4-3-1 | 40 | 2 | | | 0.1 | 0.1 | 3.7 | 3.7 | _ | | | 24 |
| 25 | | | - | 3.7 | 3.7 | | | • | • | 2 | 40 | HVAC CU4-3-2 | - 26- |
| 27 | HVAC CU4-3-3 | 40 | 2 | - | - | 3.7 | 0.7 | | | F 1 | 20 | ROOFTOP RECS | 28 |
| 29 | Spare | 20 | <u>m</u> tu | | | m | him | 100 | <u> </u> | 1 | 20 | Spare | 30 |
| 31 | Spare | 20 | 1 | 0 | 0 | | | | | 1 | 20 | Spare | 32 |
| 33 | Spare | 20 | 1 | | | 0 | 0 | | | 1 | 20 | Spare | 34 |
| 35 | Spare | 20 | 1 | | | | | 0 | 0 | 1 | 20 | Spare | 36 |
| 37 | Spare | 20 | 1 | 0 | 0 | | | | | 1 | 20 | Spare | 38 |
| 39 | Spare | 20 | 1 | | | 0 | 0 | | | 1 | 20 | Spare | 40 |
| 41 | Spare | 20 | 1 | | | | | 0 | 0 | 1 | 20 | Spare | 42 |
| u | | Tota | I LOAO: | 27.3 | KVA | 24.3 | KVA | 19.8 | KVA | y and the second | uuu | | |
| | | Tota | al Amp: | 23 | 3 A | 20 | 8 A | 16 | 5 A | | | | |
| | | | - | | | | | | | | | | |
| | | | | | | | | | | | | | |



 $\langle 1 \rangle$ FURNISH AND INSTALL NEW ISOLATION VALVE WITH TAMPER SWITCH.

 $\langle 2 \rangle$ EXTEND COVERAGE WITHIN G111 STORAGE (FORMER RIFLE RANGE) TO PROVIDE COVERAGE THROUGHOUT PER NFPA-13 REQUIREMENTS.



5



SPRINKLER LEGEND:

(NOTE THAT AREAS OF SOFFITS SHOWN ON SPRINKLER PLANS ARE APPROXIMATE REPRESENTATIONS. REFER TO ARCHITECTURAL PLANS FOR ACTUAL SOFFIT LOCATIONS AND DIMENSIONS.)

> AREA OF WET SPRINKLER IS NOT ISOLATED WITH NEW VALVES AND WILL REMAIN LIVE THROUGHOUT CONSTRUCTION.

AREA OF NEW SOFFIT REQUIRING HEAD RELOCATION.

AREA AT EXTERIOR SOFFIT - REVISE / EXTEND (E) SPRINKLER COVERAGE TO FACILITATE ARCHITECTURAL UPGRADES TO INSULATION SYSTEM.

| A6 |
|---------------|
| 3/32" = 1'-0" |

mmmm







 $\langle 1 \rangle$ FURNISH AND INSTALL NEW ISOLATION VALVE WITH TAMPER SWITCH.

SPRINKLER LEGEND: DIMENSIONS.)

3/32" = 1'-0" mmmm AREA OF WET SPRINKLER IS NOT ISOLATED WITH NEW VALVES AND WILL REMAIN LIVE THROUGHOUT CONSTRUCTION.

AREA OF NEW SOFFIT REQUIRING HEAD RELOCATION.

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| A6 FIRST FLOOR FIRE PROTECTION PLA | | |
|------------------------------------|-----------|---------------------------------|
| | <u>A6</u> | FIRST FLOOR FIRE PROTECTION PLA |



CONSTRUCTION ZONES AS NEEDED TO COMPLETE THE WORK SCHEDULED BUILDING FULLY PROTECTED EXCEPT AS STRICTLY SCHEDULED WITH THE OWNER. IT IS, HOWEVER, INTENDED THAT THE CONSTRUCTION ZONES REMAIN PROTECTED BY THE SPRINKLER SYSTEM EXCEPT WHERE SHUT-







2" TO PHASE 1 - NORTH, 1ST & 2ND FLOORS $\langle 1 \rangle$

PHASE 1

BDRM 261

STAIR

8

200.49

BDRM 267

1-1/2" TO PHASE 4 - WEST, 2ND FLOOR $\langle 1 \rangle$ —

BDRM 262

<u>_1</u>____

BDRM 263

BDRM 264

BDRM 265

BDRM 266

BDRM 260

CORRIDOR

200.46

BATH

200.48

BATH

200.50

----(E)1 1/4"SP----

BDRM 269

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BDRM 268

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BATH 200.39

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200.40

BDRM 254

BDRM 249

BDRM 250

BDRM 253

BDRM 259

STOR. 200.45

STOR. 200.44

STOR

200.53

TRASH CHUTE 527

STOR. 200.47

STAIR 7

LAUNDRY

200.51

BDRM 270

SPRINKLER LEGEND: (NOTE THAT AREAS OF SOFFITS SHOWN ON SPRINKLER PLANS ARE APPROXIMATE REPRESENTATIONS. REFER TO ARCHITECTURAL PLANS FOR ACTUAL SOFFIT LOCATIONS AND DIMENSIONS.)

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AREA AT EXTERIOR SOFFIT - REVISE / EXTEND (E) SPRINKLER COVERAGE TO FACILITATE ARCHITECTURAL UPGRADES TO INSULATION SYSTEM.

______<u>A6</u> 3/32" = 1'-0"

mannan

SECOND FLOOR FIRE PROTECTION PLAN





TRUE NORTH



 $\langle 1 \rangle$ FURNISH AND INSTALL NEW ISOLATION VALVE WITH TAMPER SWITCH.

Channes and the second
AREA OF WET SPRINKLER IS NOT ISOLATED WITH NEW VALVES AND WILL REMAIN LIVE THROUGHOUT CONSTRUCTION.

AREA OF NEW SOFFIT REQUIRING HEAD RELOCATION.

DIMENSIONS.)

AREA AT EXTERIOR SOFFIT - REVISE / EXTEND (E) SPRINKLER COVERAGE TO FACILITATE ARCHITECTURAL UPGRADES TO INSULATION SYSTEM.

| A6 | THIRD FLOOR FIRE PROTECTION PLAN |
|---------------|----------------------------------|
| 3/32" = 1'-0" | 3 |

SPRINKLER LEGEND:



Ν PLAN NORTH



 $\langle 1 \rangle$ FURNISH AND INSTALL NEW ISOLATION VALVE WITH TAMPER SWITCH.

hummun

SPRINKLER LEGEND: (NOTE THAT AREAS OF SOFFITS SHOWN ON SPRINKLER PLANS ARE APPROXIMATE REPRESENTATIONS. REFER TO ARCHITECTURAL PLANS FOR ACTUAL SOFFIT LOCATIONS AND DIMENSIONS.)

> AREA OF WET SPRINKLER IS NOT ISOLATED WITH NEW VALVES AND WILL REMAIN LIVE THROUGHOUT CONSTRUCTION.

AREA OF NEW SOFFIT REQUIRING HEAD RELOCATION.

AREA AT EXTERIOR SOFFIT - REVISE / EXTEND (E) SPRINKLER COVERAGE TO FACILITATE ARCHITECTURAL UPGRADES TO INSULATION SYSTEM.

| A6 | FOURTH FLOOR FIRE PROTECTION PLAN |
|---------------|-----------------------------------|
| 3/32" = 1'-0" | \$ |





