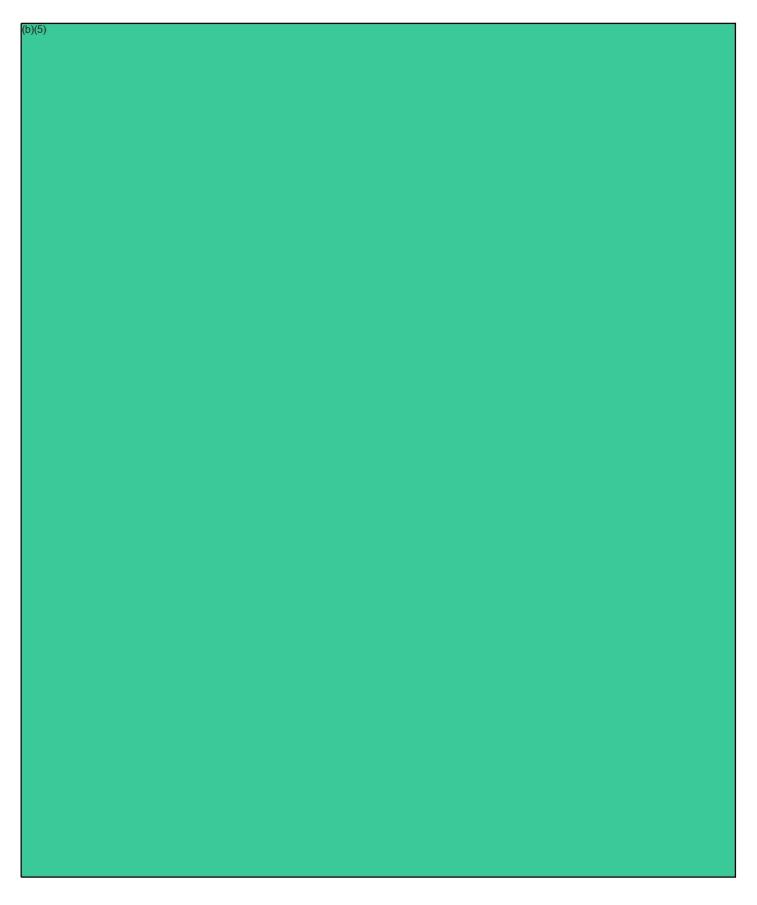
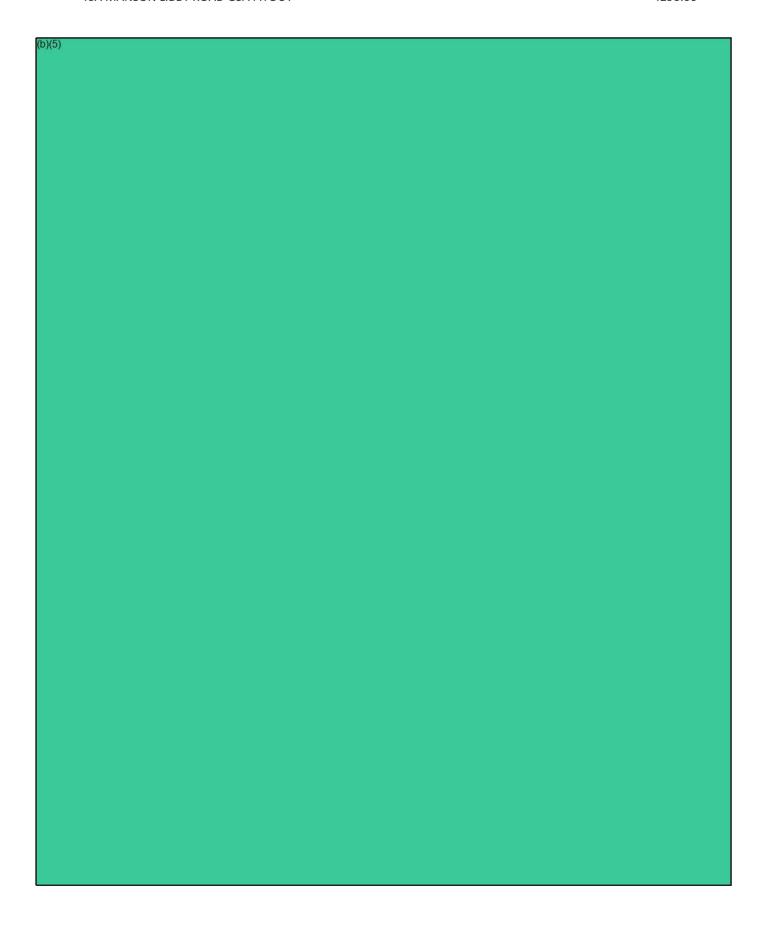
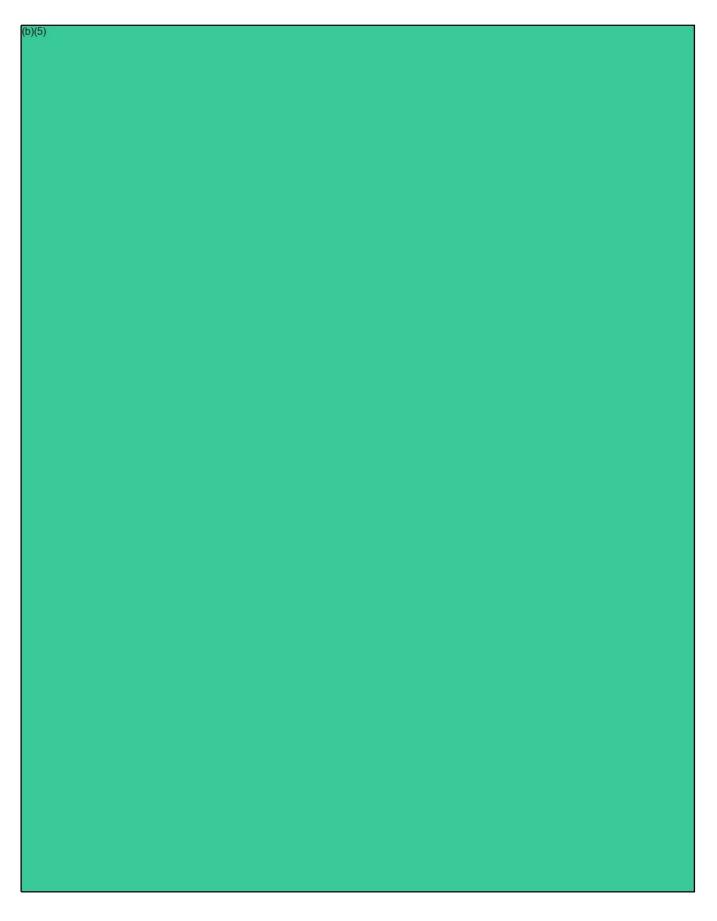
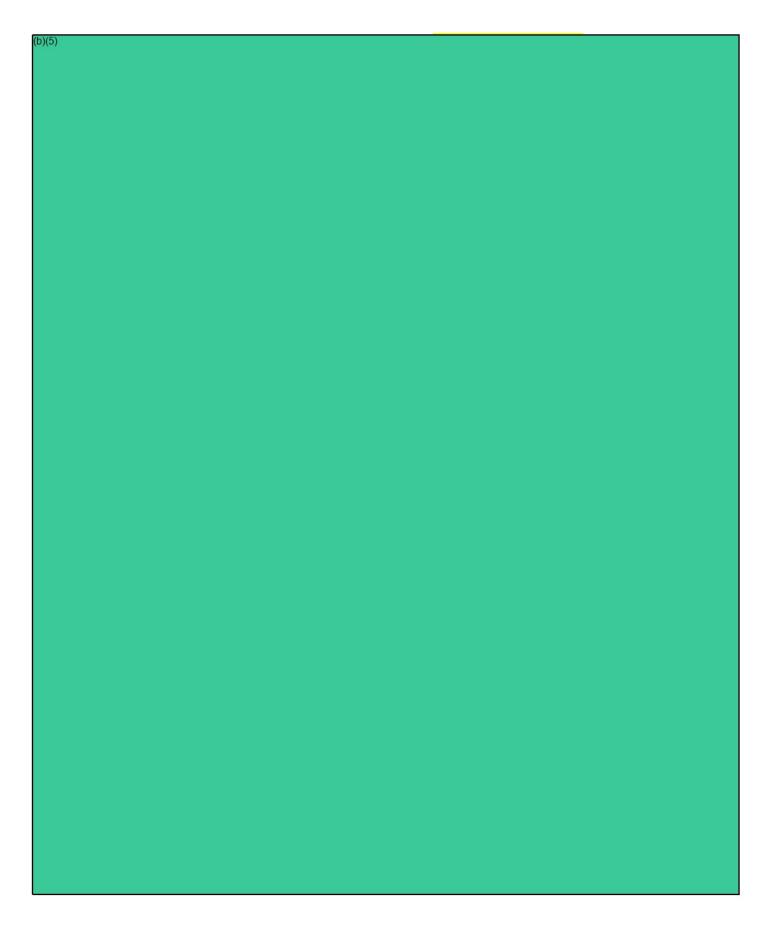


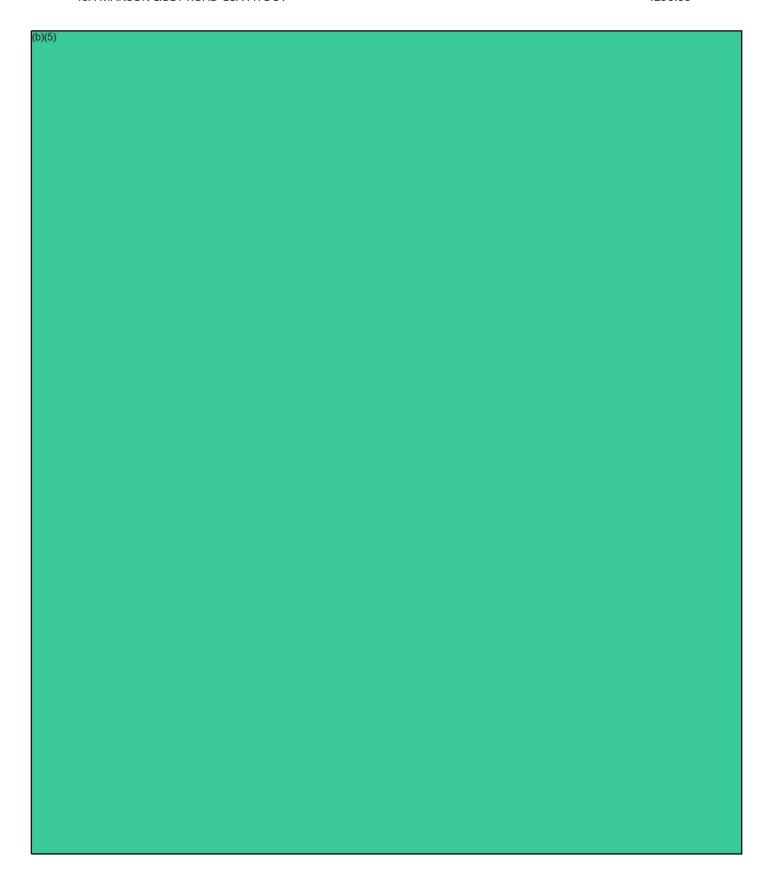
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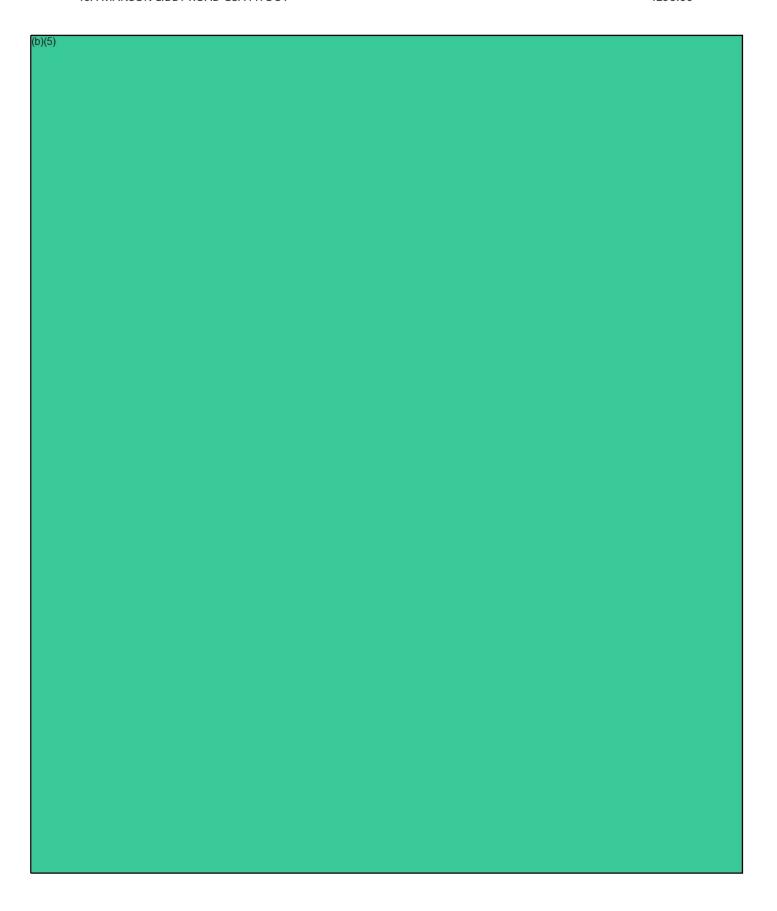




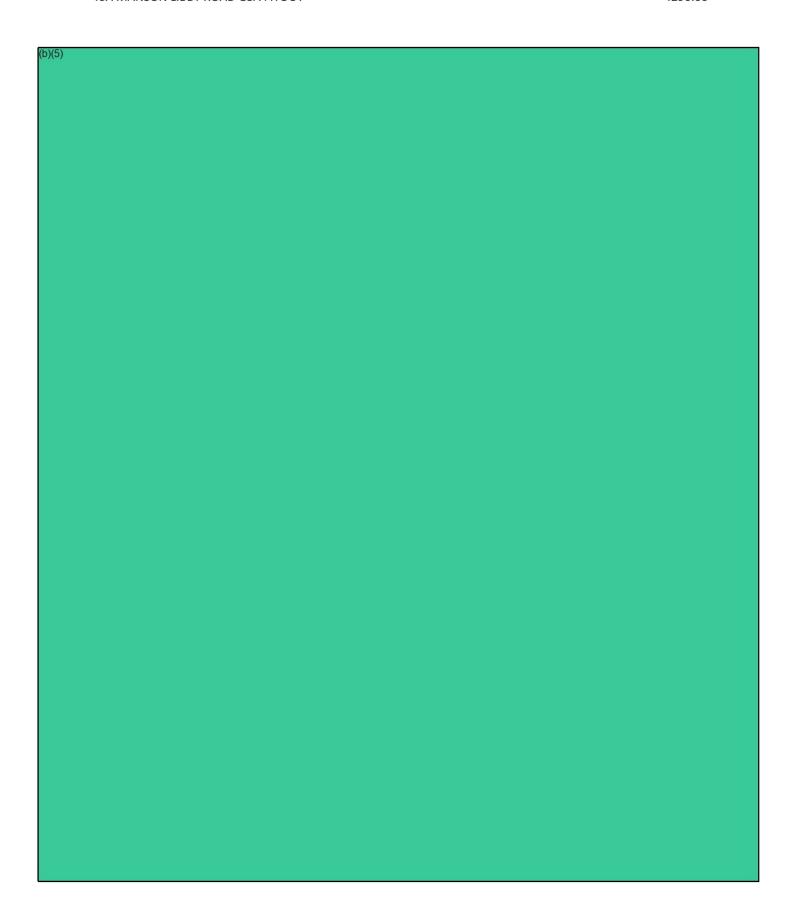


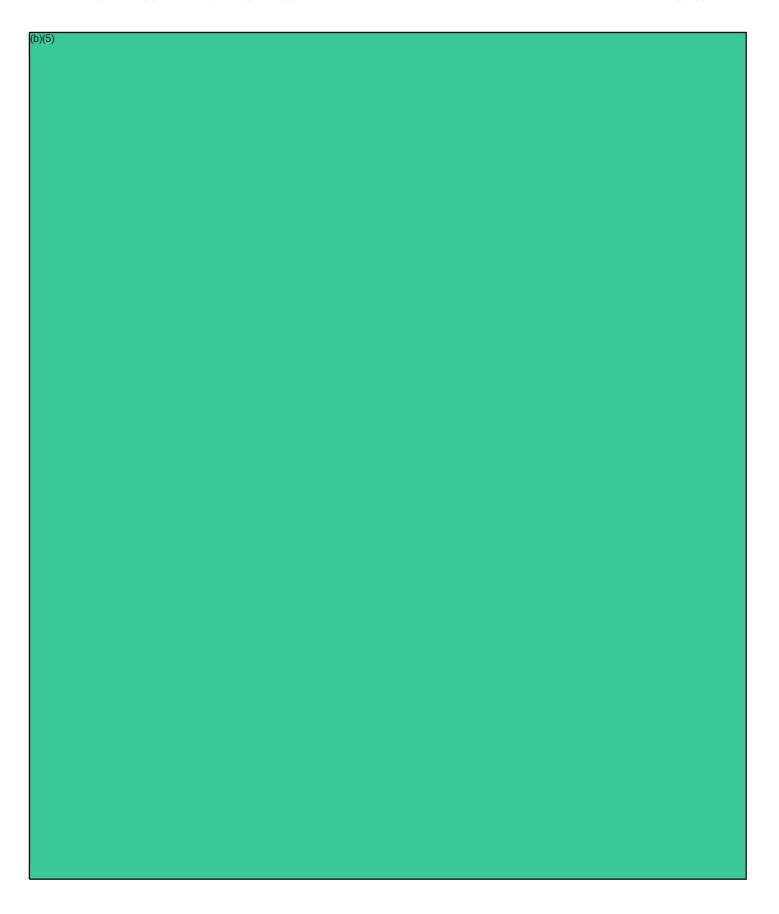


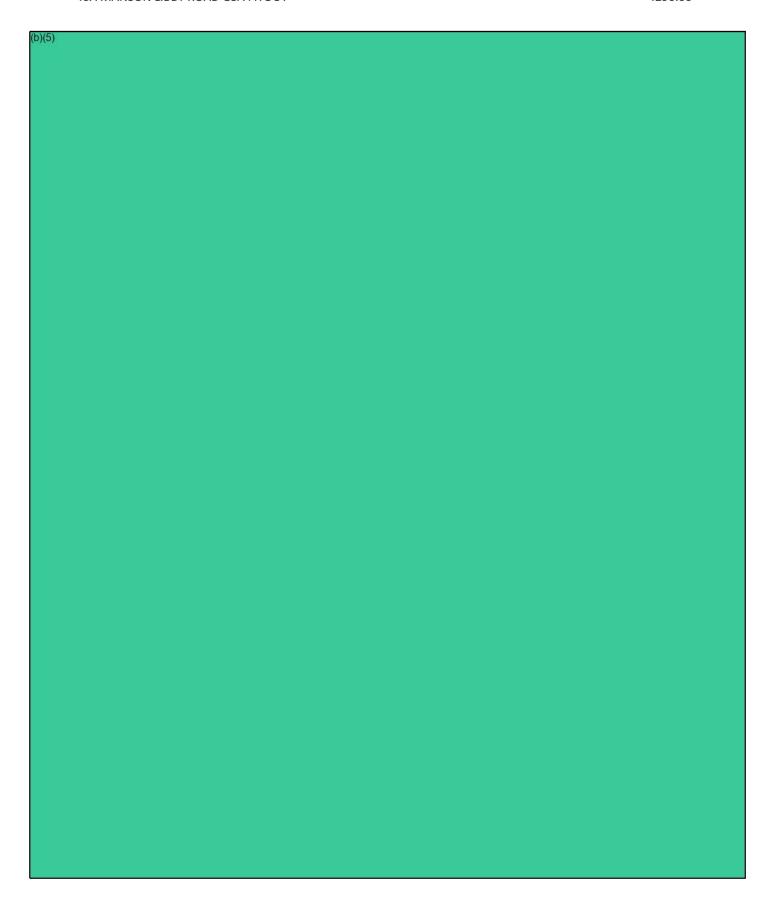


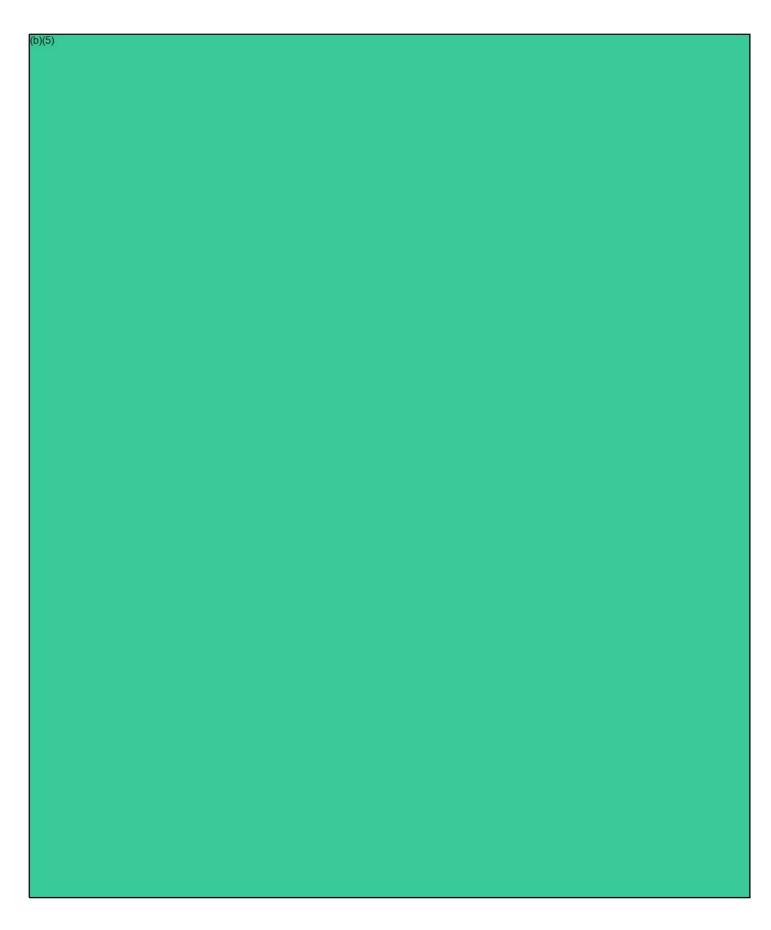


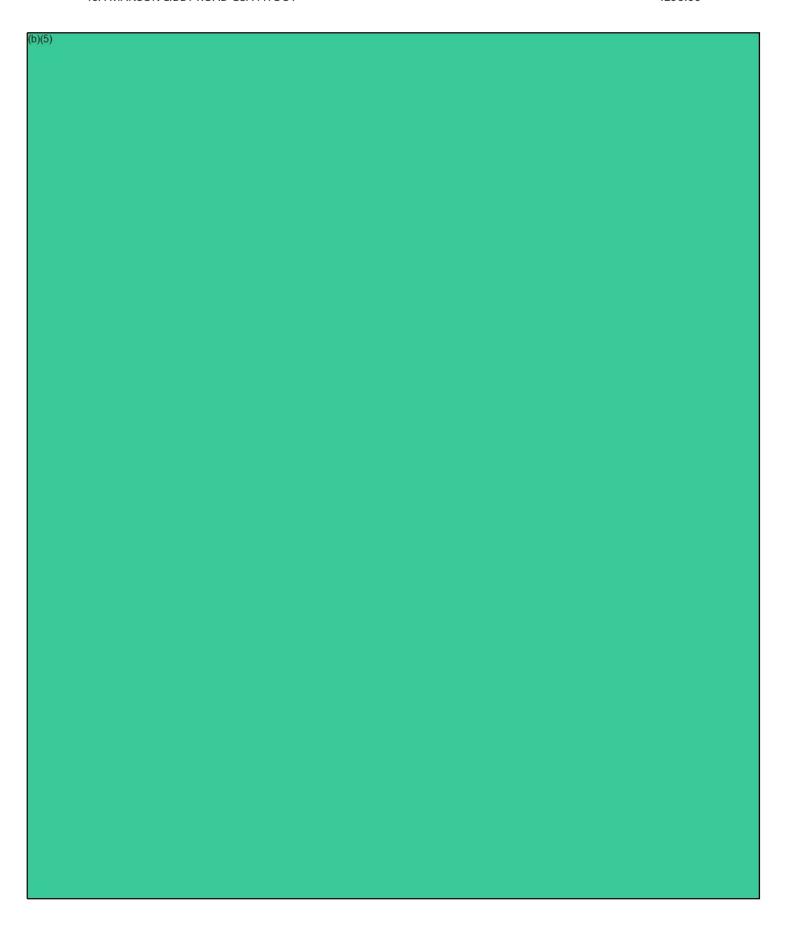
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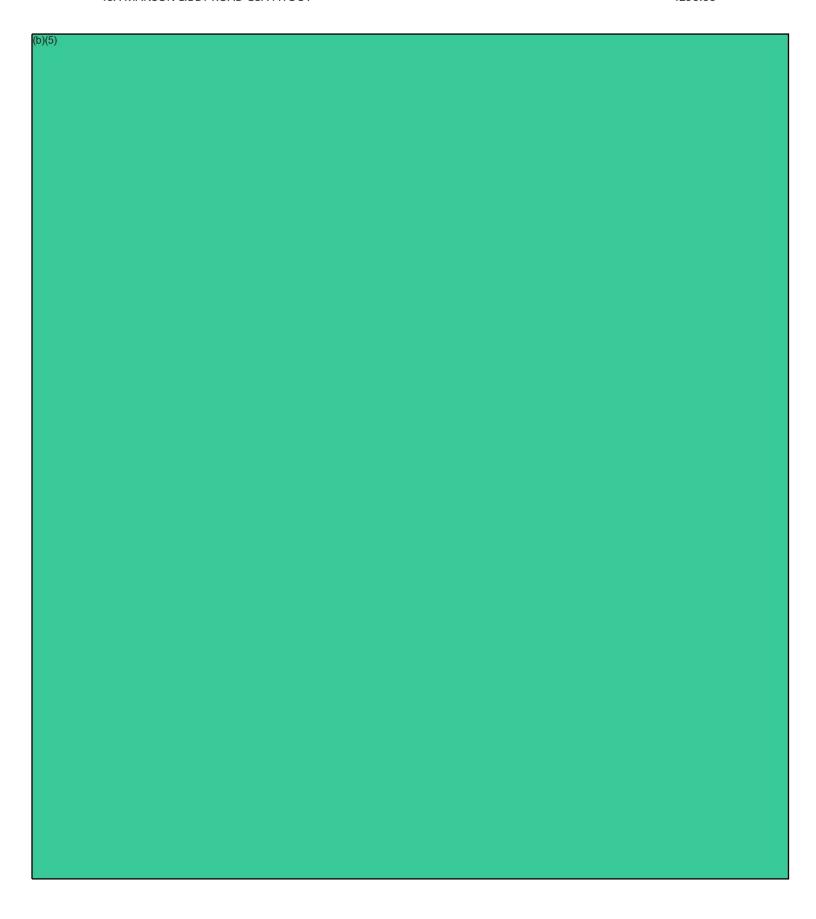














## **SITE SPECIFIC CABLING REQUIREMENTS**

| PROJECT INFORMATION   |  |  |  |
|---|--|--|--|
| ADDRESS:  40 Manson Libby Road Scarborough, ME 04074  SITE CODE: POM        |  | PROJECT NAME: ERO Scarborough ME SITE NAME: Scarborough ME PROJECT #: REQ 0186211 DMND 0013469 PRJ 0039691 |  |
|   | ICE POINTS (                             | OF CONTACT   |  |
| REGION  | NAL DEPLOYMENT LEAD (RDL)                | LOCAL ITFO SITE LEAD   |  |
| NAME: (b)(6); (b)(7)(C)  PHONE: (202)65 (b)(7)(C)  EMAIL: (b)(6); (b)(7)(C) |  | NAME: (b)(6); (b)(7)(C)  PHONE: (207) 808(b)(7)(C)  EMAIL: (b)(6); (b)(7)(C)                               |  |
|   | DOCUMEN                                  | T VERSION  |  |
| DATE  |  | DESCRIPTION  |  |
| 8/5/2019  | Cabling Requirements                     |  |  |
| 8/19/2019   | 9/2019 Cabling Requirements – Revision 1 |  |  |
| 12/23/2019  | Cabling Requirements – Revision 2        |  |  |
| 12/30/2019  | 019 Cabling Requirements – Revision 3    |  |  |
| 1/13/2020   | Cabling Re                               | equirements – Revision 4   |  |

## **Site Specific Cabling Requirements**

## 1. PURPOSE

The ICE Structured Cable Plant Standard, November 2018 edition, outlines the base criteria for the design and installation of Information and Communications Technology (ICT) systems cabling infrastructure in ICE facilities. The ICE Cabling Package consists of a narrative and drawings that aim to define, with sufficient detail, the unique requirements and intent for each project and shall be used in combination with the ICE Cable Plant Standard to provide a complete and fully functional ICT system cabling infrastructure.

The ICT cabling infrastructure is intended to support the following low voltage systems (television displays, telecom and network electronics not in contract):

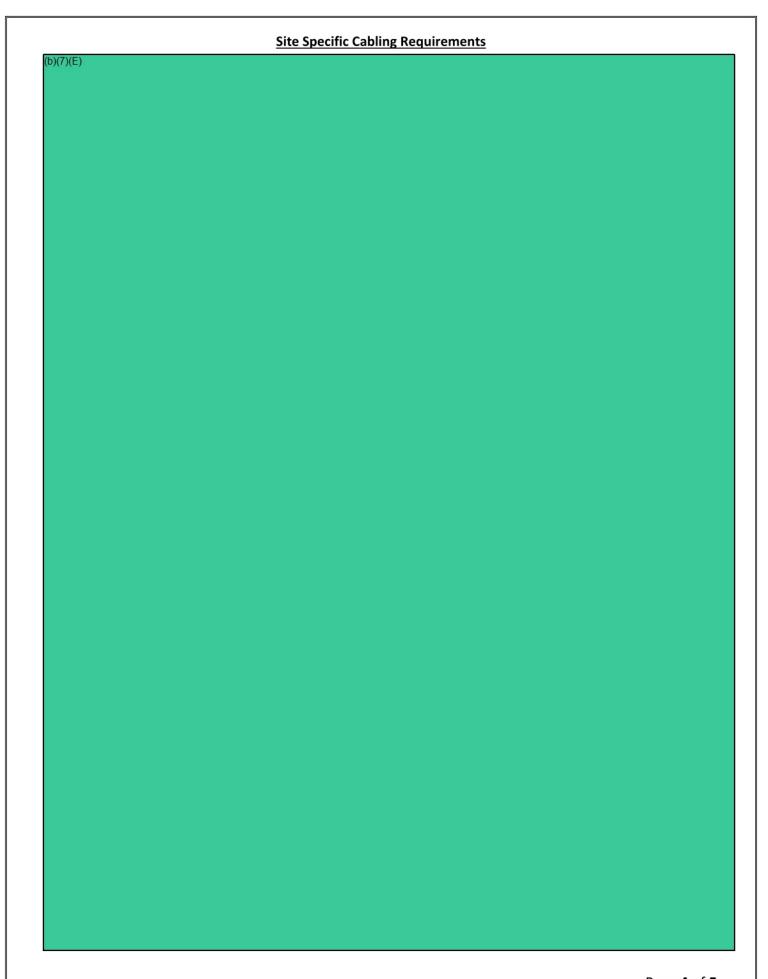
- A. Television: Community Antennae Television (CATV) or satellite applications.
- B. Telephony: Voice over Internet Protocol (VoIP) and plain old telephone (POTS)/analog applications.
- C. Local Area Networks (LAN): Ethernet Unclassified wired/wireless applications.

|           | QUANTITY | OUTLET | SPECIAL NOTES |
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Page **2** of **5** 

**DISTRIBUTION CLOSET: MDF ROOM 130** 

| Site Specific Cabling Requirements |  |  |  |
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| Site Specific Cabling Requirements |                           |
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|                                    | Page <b>5</b> of <b>5</b> |

# **GENERAL NOTES**

- 1. THE ICE STRUCTURED CABLE PLANT STANDARD, NOVEMBER 2018 EDITION, OUTLINES THE BASE CRITERIA FOR THE DESIGN AND INSTALLATION OF INFORMATION AND COMMUNICATIONS TECHNOLOGY (ICT) SYSTEMS CABLING INFRASTRUCTURE IN ICE FACILITIES. THE ICE CABLING PACKAGE CONSISTS OF A NARRATIVE AND DRAWINGS THAT AIM TO DEFINE WITH SUFFICIENT DETAIL THE UNIQUE REQUIREMENTS FOR EACH PROJECT AND SHALL BE USED IN COMBINATION WITH THE ICE CABLE PLANT STANDARD TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL ICT SYSTEM CABLING INFRASTRUCTURE.
- 2. COMMUNICATIONS OUTLETS REQUIRE GENERAL PURPOSE POWER RECEPTACLES WITHIN 2', UNLESS OTHERWISE NOTED.
- 3. THE DRAWINGS INDICATE THE GENERAL PROPOSED LOCATION OF WORK AREA COMMUNICATIONS OUTLETS. COORDINATE LOCATIONS WITH FINAL FURNITURE PLANS TO BE PRACTICAL AND READILY ACCESSIBLE.

# **ABBREVIATIONS**

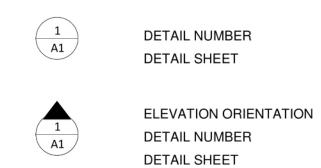
| AFF    | ABOVE FINISHED FLOOR                    |
|--------|---|
| CAA    | CONTROLLED ACCESS AREA                  |
| CAT    | CATEGORY                                |
| CATV   | COMMUNITY ANTENNAE TELEVISION           |
| CCTV   | CLOSED CIRCUIT TELEVISION               |
| EMT    | ELECTRICAL METALLIC TUBING              |
| HSDN   | HOMELAND SECURITY DATA NETWORK          |
| ICE    | IMMIGRATION AND CUSTOMS ENFORCEMENT     |
| ITFO   | INFORMATION TECHNOLOGY FIELD OFFICE     |
| MDF    | MAIN DISTRIBUTION FRAME ROOM            |
| OCIO   | OFFICE OF THE CHIEF INFORMATION OFFICER |
| OD     | OUTSIDE DIAMETER                        |
| RMU    | RACK MOUNT UNIT                         |
| RWC    | REMOTE WIRING CLOSET                    |
| SBB    | SECONDARY BONDING BUSBAR                |
| STP    | SHIELDED TWISTED PAIR                   |
| UTP    | UNSHIELDED TWISTED PAIR                 |
| VTC/AV | VIDEO TELECONFERENCING/AUDIO VISUAL     |
| WAO    | WORK AREA OUTLET                        |

## SYMBOL LEGEND

| <b>A</b> XX    | COMMUNICATIONS WALL WAO MOUNTED AT TYPICAL GENERAL PURPOSE ELECTRICAL OUTLET HEIGHT, APPROXIMATELY 18-INCHES TO CENTER AFF. MOUNT WAO'S AT COUNTER TYPE WORKSPACES TO BE PRACTICAL AND READILY ACCESSIBLE ABOVE THE COUNTER SPACE, APPROXIMATELY 42-INCHES TO CENTER AFF. |
|----------------|---|
| XX             | COMMUNICATIONS MODULAR FURNITURE WAO. ROUTE WAO CABLES THROUGH FURNITURE RACEWAYS DIRECTLY TO EACH WORKSTATION AND TERMINATE IN A COMPATIBLE SNAP IN FACEPLATE TO FURNITURE BASE.   |
| <b>★</b>       | COMMUNICATIONS WALL PHONE WAO MOUNTED AT 48" TO CENTER AFF.   |
| XX             | COMMUNICATIONS FLOOR OUTLET. COORDINATE WAO'S AT CONFERENCE TABLE LOCATIONS TO BE WITHIN THE FURNITURE WITH COMPATIBLE COMPONENTS.  |
| XX<br>TV       | COMMUNICATIONS TELEVISION WAO MOUNTED ABOVE IN-WALL BACKBOARD, APPROXIMATELY 72-INCHES TO CENTER AFF. PROVIDE MINIMUM 16-INCHES X 16-INCHES IN-WALL BACKBOARD 60-INCHES TO CENTER AFF.  |
| w<br>xx        | COMMUNICATIONS WI-FI CEILING WAO WITH A 20' SERVICE LOOP. COORDINATE MOUNTING REQUIREMETNS WITH LOCAL ITFO SITE LEAD. DOES NOT REQUIRE GENERAL PURPOSE ELECTRICAL OUTLET.   |
| <b>S</b><br>XX | COMMUNICATIONS SECURITY CEILING WAO WITH A 20' SERVICE LOOP. COORDINATE MOUNTING REQUIREMENTS WITH SECURITY VENDOR. DOES NOT REQUIRE GENERAL PURPOSE ELECTRICAL OUTLET.   |
| <b>W</b>       | COMMUNICATIONS TELEVISION CEILING WAO WITH A 20' SERVICE LOOP. COORDINATE MOUNTING REQUIREMENTS WITH VTC/AV VENDOR.   |
|                | TELECOMMUNICATIONS SECONDARY BONDING BUSBAR. BOND TO ELECTRICAL GROUNDING SYSTEM AND BOND EQUIPMENT FRAMES, RACKS, CABINETS, ENCLOSURES AND CABLE TRAYS TO THE SBB USING A MINIMUM #6 AWG BONDING CONDUCTOR.  |
|                | TELECOMMUNICATIONS 110 STYLE TERMINATION BLOCK WITH VERTICAL AND HORIZONTAL CROSS CONNECT MANAGEMENT.   |
| $\Rightarrow$  | GENERAL PURPOSE 120 VOLT/20 AMP NEMA 5-20R DUPLEX RECEPTACLE OUTLET   |
| <b>⊕</b>       | RED DEDICATED 120 VOLT/20 AMP NEMA 5-20R QUAD ELECTRICAL OUTLET   |
| -⊖<br>xx       | RED DEDICATED 120 VOLT/30 AMP NEMA L5-30R OR 240 VOLT/30 AMP NEMA L6-30R TWIST LOCK ELECTRICAL OUTLET   |

#### NOTE: XX = OUTLET CONFIGURATION TAG

# **ELEVATION AND DETAIL CALLOUT SYMBOLS**



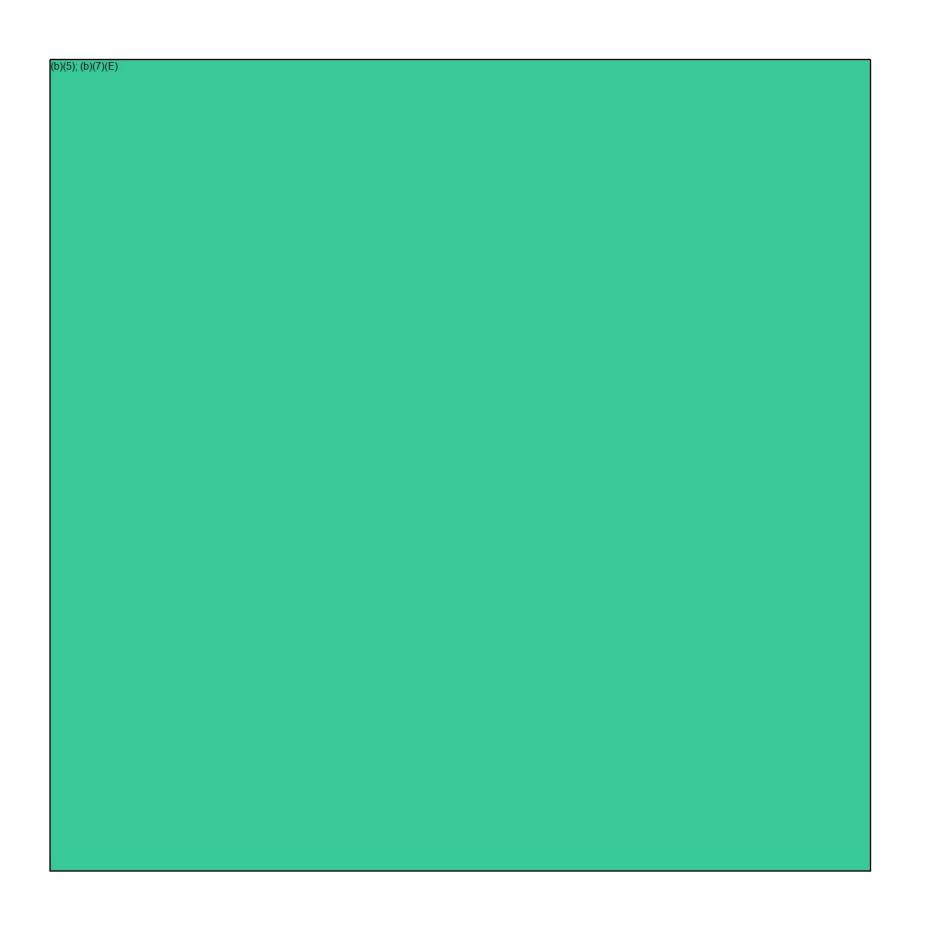
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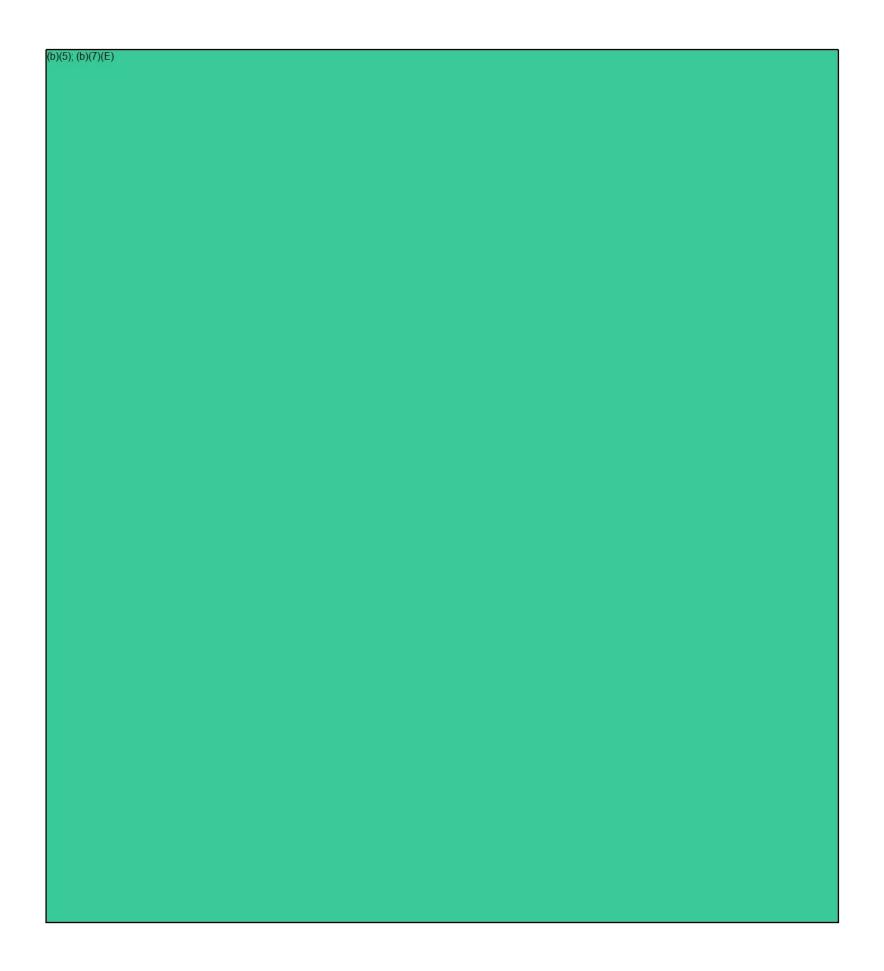
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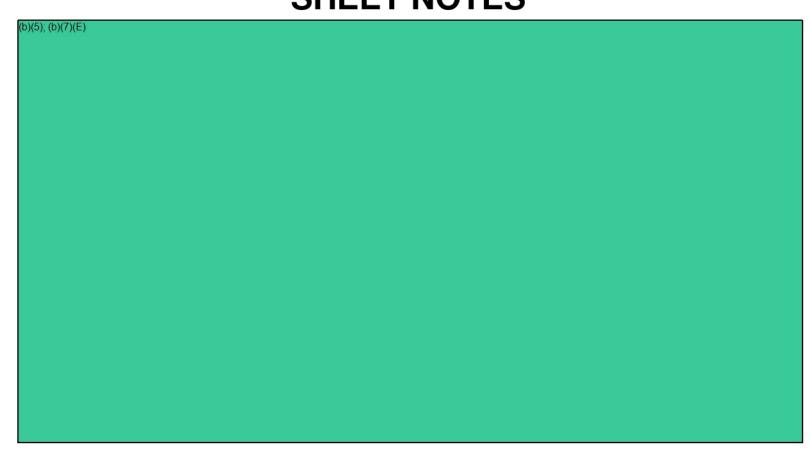
|                      |                             |                                  | DATE                                    | SUBMISSION   |
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|                      |                             |                                  | 8/5/2019                                | Cabling Requirements   |
|                      |                             |                                  | 8/19/2019                               | Cabling Requirements – Revision 1  |
|                      |                             |                                  | 12/23/2019                              | Cabling Requirements – Revision 2  |
|                      |                             |                                  | 12/30/2019                              | Cabling Requirements – Revision 3  |
|                      |                             |                                  | 1/13/2020                               | Cabling Requirements – Revision 4  |
| ADDRESS              | PROJECT#                    | SCALE                            |   |  |
| 40 Manson Libby Road | REQ 0186211<br>DMND 0013469 | NOT TO                           |   |  |
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# SHEET NOTES 1. TERMINATE HORIZONTAL "A" SERIES CABLING HEADEND IN THE OCIO MDF ROOM 130. DATE SUBMISSION 8/5/2019 Cabling Requirements Cabling Requirements – Revision 1 8/19/2019 12/23/2019 Cabling Requirements – Revision 2 Cabling Requirements – Revision 3 12/30/2019 Cabling Requirements - Revision 4 1/13/2020 INFORMATION and COMMUNICATIONS TECHNOLOGY SYSTEMS ADDRESS PROJECT# SCALE REQ 0186211 T1.00 NOT TO 40 Manson Libby Road DMND 0013469 PRJ 0039691 SCALE Scarborough, ME 04074 FLOOR PLANS - 1st FLOOR 2021-ICLI-00025 921



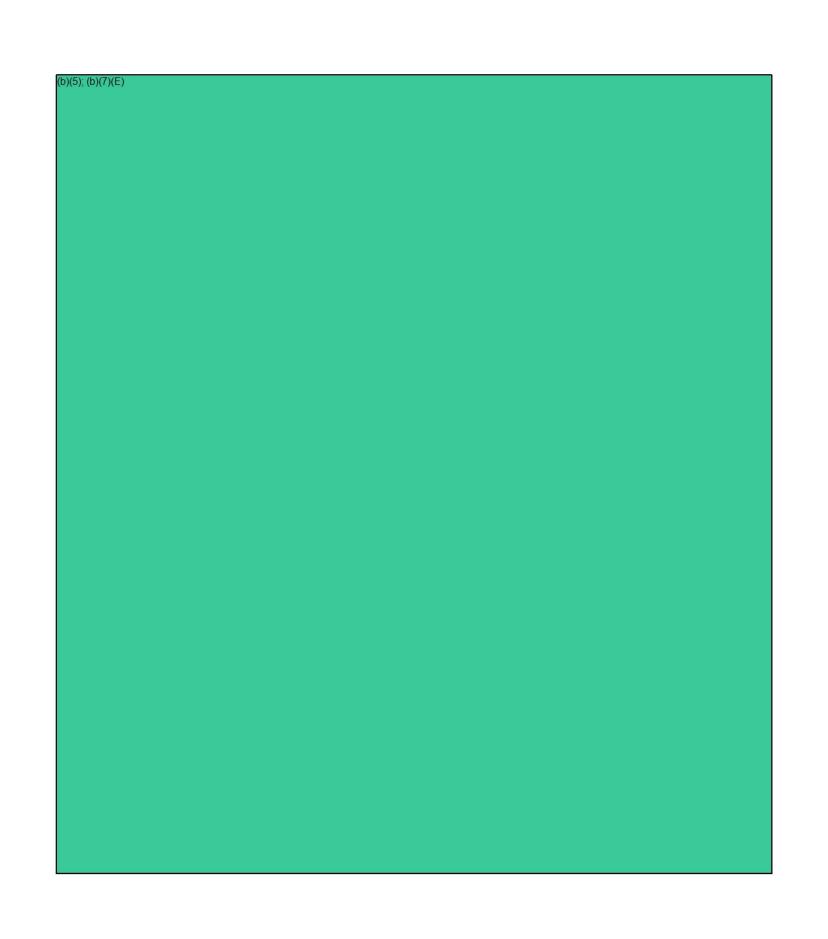






# **KEY NOTES**

1. 4' X' 8' X ¾" VERTICALLY MOUNTED FIRE RATED PLYWOOD.



| DATE       | SUBMISSION                        |
|------------|-----------------------------------|
| 8/5/2019   | Cabling Requirements              |
| 8/19/2019  | Cabling Requirements - Revision 1 |
| 12/23/2019 | Cabling Requirements – Revision 2 |
| 12/30/2019 | Cabling Requirements – Revision 3 |
| 1/13/2020  | Cabling Requirements – Revision 4 |
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#### STRUCTURAL GENERAL NOTES

1. ALL DOCUMENTS ARE INSTRUMENTS OF SERVICE AND ARE COPYRIGHT PROPERTY OF WBRC ARCHITECTS ENGINEERS, THEY MAY NOT BE REPRODUCED, ALTERED OR REUSED WITHOUT THE EXPRESS WRITTEN CONSENT OF WBRC ARCHITECTS

2. DRAWINGS REPRESENT THE DESIGN INTENT OF THE PROJECT. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE MEANS AND METHODS OF CONSTRUCTION TO TRANSFORM THE DESIGN INTENT INTO THE PHYSICAL STRUCTURE.

3. STRUCTURAL DRAWINGS ARE NOT INDEPENDENT DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. REFER TO AND COORDINATE WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, CIVIL AND APPROVED SHOP DRAWINGS FOR LOCATION AND DIMENSIONS OF CHASES, INSERTS, OPENINGS, SLEEVES, DEPRESSIONS, ETC. AND ATTACHMENT OF FINISHES.

4. REFER TO THE PROJECT MANUAL FOR GENERAL CONTRACT REQUIREMENTS AND DETAILED REQUIREMENTS FOR MATERIALS, WORKMANSHIP AND SHOP DRAWING SUBMITTALS. THESE NOTES SUPPLEMENT THE SPECIFICATIONS, WHICH SHALL BE REFERRED TO FOR ADDITIONAL REQUIREMENTS.

5. DO NOT SCALE DRAWINGS. ALL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE FIELD COORDINATED BY THE CONTRACTOR WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND APPROVED SHOP DRAWINGS. REPORT ANY INCONSISTENCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

6. GENERAL CONTRACTOR SHALL COORDINATE PREPARATION AND PROCESSING OF SUBMITTALS WITH PERFORMANCE OF CONSTRUCTION ACTIVITIES. ALL DIMENSIONS SHOWN THROUGHOUT THE STRUCTURAL SHEETS ARE COORDINATED FOR THE BASIS-OF-DESIGN PRODUCTS, INCLUDING BUT NOT LIMITED TO THE HYDRAULIC ELEVATOR SHAFTS AND GLAZED ALUMINUM CURTAIN WALLS. IF DIFFERENT PRODUCTS ARE SUBMITTED BY THE GENERAL CONTRACTOR AND APPROVED, ADJUSTMENTS SHALL BE MADE BY OTHER TRADES AT NO ADDITIONAL COST TO THE OWNER.

7. IF AN INCONSISTENCY EXISTS BETWEEN SPECIFICATIONS, PLANS, DETAILS AND GENERAL NOTES, THE MOST STRINGENT REQUIREMENT GOVERNS. DETAILS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.

8. THE STRUCTURAL DESIGN OF THE BUILDING IS BASED ON THE FULL INTERACTION OF ALL ITS COMPONENT PARTS. NO PROVISIONS HAVE BEEN MADE FOR CONDITIONS OCCURRING DURING CONSTRUCTION. ANY FAILURE TO MAKE PROPER AND ADEQUATE PROVISIONS FOR STRESSES AND STABILITY OCCURRING FROM ANY CAUSE DURING CONSTRUCTION SHALL BE THE SOLE RISK AND RESPONSIBILITY OF THE CONTRACTOR.

9. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD. NOTIFY THE OWNER IMMEDIATELY, IN WRITING, OF ANY FIELD CONDITION UNCOVERED DURING CONSTRUCTION THAT IS NOT CONSISTENT WITH THE PLANS, THAT MAY BE STRUCTURALLY INADEQUATE, OR THAT WILL IMPAIR ARCHITECTURAL LAYOUTS OR ATTACHMENT OF FINISHES.

10. THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWING SUBMITTALS PRIOR TO SUBMITTAL TO THE ARCHITECT. ALL COPIES OF ALL SHOP DRAWINGS SHALL BEAR A STAMP FROM THE CONTRACTOR VERIFYING THEY HAVE REVIEWED AND APPROVED THE DRAWINGS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, SHOP DRAWINGS NOT BEARING THE CONTRACTOR'S APPROVAL STAMP WILL NOT BE REVIEWED AND SHALL BE RETURNED "REJECTED."

11.DETAILS SHOWN ON ANY DRAWING ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS, UNLESS NOTED OTHERWISE (U.N.O.).

12.CAD FILES WILL NOT BE MADE AVAILABLE TO THE BIDDER FOR ANY PURPOSE.

#### <u>DESIGN LOADS</u>

THE ALTERED ELEMENT FO THE STRUCTURE ARE DESIGNED TO CARRY THE FOLLOWING LIVE LOADS, IN CONFORMANCE WITH CHAPTER 16 OF THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE, THE 2010 EDITION OF ASCE-7, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.

- FLOOR LIVE LOADS (REDUCTIONS TAKEN IN ACCORDANCE WITH IBC SECTION 1607.9):
  - OFFICE BUILDINGS: 50 + 15 PSF ALLOWANCE FOR PARTITION WALLS; 2,000 LB CONCENTRATED LOAD CORRIDORS, EXCEPT AS OTHERWISE INDICATED: 100 PSF; 2,000 LB CONCENTRATED LOAD LOBBIES: 100 PSF; 2,000 LB CONCENTRATED LOAD
- ROOF SNOW LOAD:
- GROUND SNOW LOAD, Pg: 50 PSF FLAT ROOF SNOW LOAD, Pf: 35 PSF, EXCEPT 42 PLUS DRIFT AT EXTERIOR ENTRY CANOPIES
- SNOW EXPOSURE FACTOR, Ce: 1.0, BUILDING RISK CATEGORY: II
- SNOW LOAD IMPORTANCE FACTOR, Is: 1.0 THERMAL FACTOR, Ct: 1.0, EXCEPT 1.2 AT EXTERIOR ENTRY CANOPIES
- <u>LATERAL LOADS:</u>
- WIND DESIGN DATA:
- BASIC WIND SPEED (3-SECOND GUST): 119 MPH BUILDING RISK CATEGORY: II
- WIND EXPOSURE CATEGORY: B INTERNAL PRESSURE COEFFICIENT: +/-0.18
- COMPONENTS AND CLADDING: VARIES BASED ON TRIBUTARY AREA AND LOCATION: COMPLY WITH ASCE 7-10 FOR WIND PRESSURES TO BE USED FOR THE DESIGN OF EXTERIOR COMPONENT AND CLADDING MATERIALS NOT SPECIFICALLY DESIGNED BY THE REGISTERED DESIGN PROFESSIONAL
- EARTHQUAKE DESIGN DATA: SEISMIC IMPORTANCE FACTOR, le: 1.0
- SEISMIC RISK CATEGORY: II MAPPED SPECTRAL RESPONSE ACCELERATIONS, Ss AND S1: 0.246g AND 0.079g RESPECTIVELY
- (USING 2008 USGS HAZARD DATA) SITE CLASS: D ASSUMED
- SPECTRAL RESPONSE COEFFICIENTS, Sds AND Sd1: 0.262g AND 0.126g RESPECTIVELY SEISMIC DESIGN CATEGORY: B
- BASIC SEISMIC FORCE RESISTING SYSTEM: INTERMEDIATE REINFORCED MASONRY SHEAR WALLS SEISMIC RESPONSE COEFFICIENT, Cs: 0.0753
- RESPONSE MODIFICATION FACTOR, R: 3.5
- ANALYSIS PROCEDURE UTILIZED: EQUIVALENT LATERAL FORCE

#### DEMOLITION AND SHORING

- BEFORE PROCEEDING WITH ANY DEMOLITION, THE AREA MUST BE SURVEYED AND EVALUATED BY THE CONTRACTOR TO ENSURE THAT NO DAMAGE WILL BE MADE TO ANY STRUCTURE PROPERTY OR EQUIPMENT BEYOND THE DEMOLITION.
- PROVIDE TEMPORARY SHORING AND BRACING FOR WALLS, FLOORS AND ROOFS DURING DEMOLITION AND MAINTAIN THIS TEMPORARY CONSTRUCTION IN PLACE UNTIL THE NEW STRUCTURAL WORK IS COMPLETED AND TIED TO THE REMAINING EXISTING CONSTRUCTION. REMOVE DEMOLISHED ITEMS PROMPTLY FROM THE BUILDING. DO NOT OVERLOAD THE EXISTING FLOORS WITH CONSTRUCTION DEBRIS
- REFER TO THE STRUCTURAL DRAWINGS FOR ANTICIPATED LOCATIONS AND EXTENTS OF TEMPORARY SHORING REQUIRED. EXACT EXTENT AND SHORING MEANS AND METHODS TO BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL RETAIN A EXPERIENCED SHORING FIRM OR PROFESSIONAL ENGINEER TO DEVELOP A SEQUENCE OF OPERATIONS, AND OVERSEE THAT THE EXISTING BUILDING IS SAFE AT ALL TIMES AND THAT PROPOSED NEW CONSTRUCTION IS PROPERLY SUPPORTED.
- REMOVE AND RELOCATE AS REQUIRED UTILITIES CROSSING EXCAVATIONS AND NEW FOUNDATION WORK. CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SUPPORT FOR ALL UTILITY LINES ADJACENT TO NEW FOUNDATION WORK
- REMOVE ALL EXISTING FOUNDATIONS INTERFERING WITH NEW WORK. CONTRACTOR SHALL PROVIDE ALL INFORMATION PERTAINING TO EXISTING FOUNDATIONS SO THAT THE ARCHITECT CAN ASSESS ANY NECESSARY CHANGE TO NEW FOUNDATIONS.

#### FOUNDATIONS, BACKFILL AND DRAINAGE

1. ALL NEW FOOTINGS SHALL BE PLACED OVER A LAYER OF NEW STRUCTURAL BACKFILL HAVING A MINIMUM BEARING CAPACITY OF 3,000 POUNDS PER SQUARE FOOT.

2. ASSUMED BEARING MATERIAL, DESIGN BEARING PRESSURE AND FOOTING ELEVATIONS INDICATED ON THE DRAWINGS ARE ASSUMED. IF ACCEPTABLE BEARING MATERIAL IS NOT ENCOUNTERED UPON EXCAVATION TO THE LEVELS INDICATED, AS DETERMINED BY THE EARTHWORK INSPECTOR, NOTIFY THE OWNER FOR REVIEW AND DIRECTION. 3. ALL SUBGRADES AT FOOTING EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY THE DESIGNATED EARTHWORK

4. ALL EXTERIOR CONSTRUCTION SHALL BE CARRIED DOWN A MINIMUM OF FOUR FEET TEN INCHES BELOW FINISHED EXTERIOR GRADE, UNLESS OTHERWISE SHOWN ON PLANS. MATCH NEW FOOTING ELEVATION TO EXISTING.

BELOW THE SLAB ON GRADE IT SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL COMPACTED TO 95% MAXIMUM DRY DENSITY.

8. BACKFILL UNDER SLABS ON GRADE AND AGAINST FOUNDATION WALLS INSIDE AND OUTSIDE THE BUILDING WITH STRUCTURAL FILL. COMPACT EACH LIFT TO 95% MAXIMUM DRY DENSITY PER ASTM D-1557. ENTIRE FILLING AND COMPACTING OPERATION TO BE MONITORED AND TESTED BY THE EARTHWORK INSPECTOR.

9. PROVIDE CONTINUOUS VAPOR RETARDER UNDER ALL SLABS ON GRADE. SEE TYPICAL DETAIL FOR MORE INFORMATION.

#### REINFORCING STEEL

1. ALL REINFORCING BAR DETAILING SHALL CONFORM TO THE ACI 315, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES." DO NOT BEND BARS IN THE FIELD; COMPLETE ALL BAR BENDING IN THE FABRICATORS SHOP.

2. SUBMIT COMPLETE SHOP DRAWINGS TO THE OWNER FOR APPROVAL PRIOR TO FABRICATION. 3. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60. WHERE WELDING OF DEFORMED BARS TO STRUCTURAL STEEL IS SHOWN, PROVIDE ASTM A706 GRADE 60 AND COMPLETE WELDING IN ACCORDANCE WITH AWS

4. WHERE CONTINUOUS BARS ARE CALLED FOR, INDICATED, OR REQUIRED THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS, DOWELED INTO INTERSECTING WALLS, LAPPED AT NECESSARY SPLICES, WITH SPLICES STAGGERED WHEREVER POSSIBLE, AND HOOKED AT DISCONTINUOUS ENDS. LAPS SHALL CONFORM TO THE

5. PROVIDE AND SCHEDULE WITH SHOP DRAWINGS, ALL NECESSARY ACCESSORIES TO HOLD THE REINFORCING SECURELY AND ACCURATELY IN POSITION. "WET-SETTING" OR "WET-STICKING" REINFORCING INTO GREEN CONCRETE IS NOT ACCEPTABLE. SPACE HIGH CHAIRS AT 4'-0" o/c MAXIMUM AND WIRE TO BOTTOM SLAB REINFORCING. SUPPORT BARS ON HIGH CHAIRS SHALL BE #5 MINIMUM. SPACE SLAB BOLSTERS AT 3'-6" o/c MAXIMUM.

- UNFORMED FACE IN CONTACT WITH EARTH: 3"
- UNFORMED SLABS IN CONTACT WITH EARTH: 1-1/2" FORMED FACE IN CONTACT WITH EARTH: 2"
- FORMED FACE EXPOSED TO WEATHER: 2" FOR #6 AND LARGER BARS FORMED FACE EXPOSED TO WEATHER: 1-1/2" FOR #5 AND SMALLER BARS
- SLABS NOT EXPOSED TO EARTH OR WEATHER: 3/4"
- TOPS OF STIRRUPS IN BEAMS: 1" TOPS OF VERTICAL BARS IN WALLS AND PIERS: 1"

THE MAXIMUM ALLOWABLE DEVIATION FROM THE FIGURES ABOVE SHALL BE 1/4" FOR CONCRETE SHAPES 10" OR LESS

7. PROVIDE DOWELS FROM FOOTINGS TO MATCH VERTICAL WALL AND PIER REINFORCING. PROVIDE MINIMUM LAP LENGTH OF 40 BAR DIAMETERS.

#### CAST-IN-PLACE CONCRETE

STRUCTURAL CONCRETE IN BUILDINGS," AND ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED

2. ALL STRUCTURAL CONCRETE IS CONTROLLED AND SHALL BE USED, PROPORTIONED, MIXED AND PLACED UNDER THE SUPERVISION OF THE STRUCTURAL INSPECTOR AS A PART OF THE STRUCTURAL INSPECTIONS REQUIRED FOR

3. ALL WORK SHALL BE PERFORMED TO SECURE FOR THE ENTIRE JOB HOMOGENOUS CONCRETE HAVING REQUIRED STRENGTH, DURABILITY AND WEATHERING RESISTANCE WITHOUT PLANES OF WEAKNESS OR OTHER STRUCTURAL

4. CONCRETE FOR FOUNDATION WALLS, PIERS, AND SLABS SHALL ATTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI, UNLESS NOTED OTHERWISE.

5. NOTIFY THE STRUCTURAL INSPECTOR AT LEAST 48 HOURS IN ADVANCE OF PLACING CONCRETE FOR INSPECTION OF THE REINFORCING STEEL. DO NOT CAST CONCRETE UNTIL THE INSPECTION HAS BEEN MADE OR WAIVED.

6. PROVIDE SIX PERCENT (PLUS/MINUS) AIR ENTRAINMENT IN ALL CONCRETE EXPOSED TO EARTH OR WEATHER, INCLUDING BUT NOT LIMITED TO FOOTINGS, FOUNDATIONS AND EXTERIOR SLABS.

8. ALL STRUCTURAL CONCRETE SHALL BE FORMED WITH APPROVED FORMWORK MATERIALS. EARTH FORMING IS NOT PERMITTED.

9. PROVIDE DOWELS AND KEYWAYS AT ALL CONSTRUCTION JOINTS. ALLOW 48 HOURS TO ELAPSE BETWEEN ADJACENT CONCRETE PLACEMENTS.

10. PROVIDE CONTROL JOINTS IN ALL SLABS ON GRADE SAWCUT WITHIN 4 HOURS OF FINISHING SLAB. 11. DURING COLD-WEATHER CONCRETING PERIODS, ALL CONCRETE FORMWORK SHALL REMAIN IN PLACE FOR A MINIMUM OF THREE DAYS UNLESS AUTHORIZED OTHERWISE BY THE OWNER.

12. ALL CONCRETE SURFACES THAT DO NOT RECEIVE A FINISHED FLOOR MATERIAL SHALL RECEIVE A PENETRATING LIQUID FLOOR TREATMENT IN ACCORDANCE WITH THE SPECIFICATIONS.

13. ALL HORIZONTAL EXTERIOR CONCRETE SURFACES, SUCH AS SIDEWALKS, EXPOSED TO DEICING CHEMICALS

#### CONCRETE BLOCK MASONRY (CMU)

1. EXTERIOR MASONSRY WALLS SHOWN ON STRUCTURAL DRAWINGS ARE 12" NOMINAL THICKNESS NORMAL WEIGHT 2-CELL BLOCKS UNLESS NOTED OTHERWISE. MASONRY UNITS SHALL BE LAID IN RUNNING BOND. PROVIDE FULL MORTAR COVERAGE ON ALL WEBS AND FACE SHELLS.

2. INTERIOR MASONRY WALLS ARE NONSTRUCTURAL, SEE ARCHITECTURAL DRAWINGS FOR WALL THICKNESS AND REINFORCMENT.

2. ALL CONCRETE MASONRY UNITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AND CONFORM TO THE REQUIREMENTS OF ASTM C90, UNLESS NOTED OTHERWISE. MINIMUM PRISM STRENGTH OF BLOCK SHALL BE F'M = 2000 PSI IN 28 DAYS.

3. ALL GROUT SHALL BE COARSE GROUT CONFORMING WITH ASTM C476 AND SHALL HAVE A MINIMUM

ALL MASONRY WALLS NOTED ON THE STRUCTURAL DRAWINGS SHALL BE REINFORCED, AND ALL REINFORCED CORES GROUTED SOLID. WHERE GROUTING IS CALLED FOR, ALL SLOTS AND CELLS SHALL BE FILLED WITH GROUT, AND SPECIAL CARE TAKEN TO KEEP CORES FREE OF MORTAR DROPPINGS.

7. SEE DRAWING S-402 FOR EXTERIOR WALL REINFORCEMENT.

8. ALL REINFORCING BARS SHALL BE SECURELY HELD IN POSITION WITH 9 GAUGE WIRE SUPPORTS PRIOR TO

9. LAP ALL REINFORCING BARS IN MASONRY A MINIMUM OF 48 BAR DIAMETERS. LAP HORIZONTAL WIRE REINFORCEMENT A MINIMUM OF 1'-0".

10. GROUT SHALL BE PLACED USING HIGH OR LOW LIFT GROUTING PROCEDURE PER ACI RECOMMENDATIONS. 11. ALL REINFORCED MASONRY CONSTRUCTION SHALL BE INSPECTED BY THE STRUCTURAL INSPECTOR.

#### STATEMENT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

THIS STATEMENT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS IS SUBMITTED AS A CONDITION FOR BUILDING PERMIT ISSUANCE IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. IT INCLUDES A SCHEDULE OF SPECIAL INSPECTION SERVICES APPLICABLE TO THIS PROJECT AS WELL AS THE NAME OF THE STRUCTURAL SPECIAL INSPECTION COORDINATOR AND THE

40 MANSON LIBBY ROAD GSA FITOUT

LOCATION: SCARBOROUGH, MAINE MAINE REALTY ADVISORS OWNER: BUILDING OFFICIAL:

DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE:

SEISMIC RESISTANCE:

SEISMIC DESIGN CATEGORY "B" < "F" EXPOSURE "B," BASIC WIND SPEED 119 MPH

THE SPECIAL INSPECTION COORDINATOR SHALL KEEP RECORDS OF ALL TESTS AND INSPECTIONS AND SHALL FURNISH REPORTS TO THE BUILDING OFFICIAL, OWNER AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. NONCOMPLIANT WORK (DEFICIENCIES) SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DEFICIENCIES ARE NOT CORRECTED, IT SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, OWNER AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

INTERIM TEST AND INSPECTION REPORTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL, OWNER AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ON A MONTHLY BASIS.

PREPARED BY: WBRC ARCHITECTS ENGINEERS, (0)(0), (0)(7)(0)

OWNERS AUTHORIZATION:

WIND RESISTANCE:

(PLEASE SIGN, DATE, PRINT NAME AND TITLE)

BUILDING OFFICIALS ACCEPTANCE

(PLEASE SIGN, DATE, PRINT NAME AND TITLE)

CONTRACTOR'S RESPONSIBILITIES

1. STRUCTURAL TESTS AND SPECIAL INSPECTIONS DO NOT RELIEVE THE CONTRACTOR OF ITS RESPONSIBILITIES AND OBLIGATIONS FOR QUALITY CONTROL OF THE WORK, THEIR OBLIGATIONS FOR SUPERVISING THE WORK, FOR ANY DESIGN WORK THAT IS INCLUDED IN THEIR SCOPE OF SERVICES AND FOR FULL COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. FURTHERMORE, THE DETECTION OF, OR THE FAILURE TO DETECT DEFICIENCIES IN THE WORK DURING TESTING AND INSPECTION CONDUCTED PURSUANT TO THIS PROGRAM SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO CORRECT ALL DEFICIENCIES OR DEFECTS, WHETHER DETECTED OR UNDETECTED, IN ALL PARTS OF THE WORK, AND TO OTHERWISE COMPLY WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

2. JOB SITE SAFETY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT PART OF THESE TESTS AND INSPECTIONS. MATERIALS AND ACTIVITIES TO BE TESTED AND INSPECTED DO NOT INCLUDE THE CONTRACTOR'S EQUIPMENT OR THE MEANS,

METHODS AND PROCEDURES USED TO ERECT OR INSTALL THE MATERIALS OR ASSEMBLIES LISTED.

3. IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND-FORCE OR SEISMIC-FORCE RESISTING SYSTEM OR COMPONENT SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL, OWNER AND DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT.

4. WHERE A STRUCTURAL COMPONENT OR SYSTEM IS SUBJECT TO TESTS AND INSPECTIONS AS DETERMINED BY THE BUILDING OFFICIAL, AND THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FOR THE PROJECT HAS NOTBEEN RETAINED TO DESIGN OR TO PREPARE A PERFORMANCE SPECIFICATION FOR SAID COMPONENT OR SYSTEM, THE CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER TO DESIGN SAID COMPONENT OR SYSTEM AND TO PROVIDE ANY REQUIRED TESTS AND INSPECTIONS.

5. THE CONTRACTOR SHALL PROVIDE FREE AND SAFE ACCESS TO THE WORK FOR ALL INDIVIDUALS WHO ARE PERFORMING THE TESTS OR INSPECTIONS. THE CONTRACTOR SHALL PROVIDE ALL LADDERS, SCAFFOLDING, STAGING, AND UP-TO-DATE SAFETY EQUIPMENT, ALL IN GOOD AND SAFE WORKING ORDER, AND QUALIFIED PERSONNEL TO HANDLE AND ERECT THEM, AS MAY BE

6. THE CONTRACTOR SHALL GIVE REASONABLE NOTICE TO THOSE PERFORMING INSPECTIONS AND TESTS OF WHEN THE VARIOUS PARTS OF THE WORK WILL BE READY FOR TESTING AND INSPECTION. THE CONTRACTOR SHALL OBTAIN INSTRUCTIONS FROM THE INSPECTION COORDINATOR AS TO WHAT IS REASONABLE NOTICE FOR THE VARIOUS ASPECTS OF THE WORK (TYPICALLY 48 HOURS), WHO IS TO BE NOTIFIED AND HOW.

#### SCHEDULE OF TESTING AND INSPECTION AGENCIES

- SPECIAL INSPECTION COORDINATOR TO BE DETERMINED AND CONTRACTED BY OWNER
- BUILDING INSPECTOR TO BE DETERMINED AND CONTRACTED BY OWNER
- EARTHWORK INSPECTOR TO BE DETERMINED AND CONTRACTED BY OWNER
- CONCRETE / MASONRY TESTING LABORATORY

 TO BE DETERMINED AND CONTRACTED BY OWNER NOTE: UNLESS NOTED OTHERWISE, THE INSPECTORS AND TESTING AGENCIES SHALL BE QUALIFIED, INDEPENDENT COMPANIES ENGAGED BY THE OWNER ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE OWNER, DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK.

#### QUALIFICATIONS OF INSPECTORS AND TESTING TECHNICIANS

THE CREDENTIALS AND QUALIFICATIONS OF ALL INDIVIDUALS PERFORMING SPECIAL INSPECTION AND TESTING ACTIVITIES ARE SUBJECT TO THE APPROVAL OF THE OWNER, THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. CREDENTIALS SHALL BE PROVIDED FOR REVIEW, APPROVAL AND RECORD.

KEY FOR MINIMUM QUALIFICATIONS OF INSPECTION AGENTS: WHEN THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE DEEMS IT APPROPRIATE THAT THE INDIVIDUAL PERFORMING A STIPULATED TEST OR INSPECTION HAVE A SPECIFIC CERTIFICATION, LICENSE OR EXPERIENCE LEVEL AS INDICATED BELOW, SUCH DESIGNATION SHALL APPEAR WITH THE AGENCY NAME ON THE SCHEDULE.

- 1. PE/SE STRUCTURAL ENGINEER A LICENSED SE OR PE SPECIALIZING IN THE DESIGN OF BUILDING STRUCTURES
- 2. PE/GE GEOTECHNICAL ENGINEER A LICENSED PE SPECIALIZING IN SOIL MECHANICS AND FOUNDATIONS
- 3. EIT ENGINEER-IN-TRAINING A GRADUATE ENGINEER WHO HAS PASSED THE FUNDAMENTALS OF ENGINEERING EXAMINATION EXPERIENCED TESTING TECHNICIAN

#### EXPERIENCED TESTING TECHNICIAN - AN EXPERIENCED TESTING TECHNICIAN WITH A MINIMUM 5 YEARS EXPERIENCE WITH THE STIPULATED TEST.

AMERICAN CONCRETE INSTITUTE (ACI) CERTIFICATION

- CONCRETE FIELD TESTING TECHNICIAN GRADE 1
- CONCRETE CONSTRUCTION INSPECTOR
- LABORATORY TESTING TECHNICIAN GRADE 1&2
- STRENGTH TESTING TECHNICIAN AMERICAN WELDING SOCIETY (AWS) CERTIFICATION
- AWS-CWI CERTIFIED WELDING INSPECTOR
- 2. AWS/AISC-SSI CERTIFIED STRUCTURAL STEEL INSPECTOR

AMERICAN SOCIETY OF NON-DESTRUCTIVE TESTING (ASNT) CERTIFICATION

## NON-DESTRUCTIVE TESTING TECHNICIAN LEVEL II OR III.

- INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION 1. ICC-SMSI STRUCTURAL MASONRY SPECIAL INSPECTOR
- STRUCTURAL STEEL AND WELDING SPECIAL INSPECTOR
- ICC-SFSI SPRAY-APPLIED FIREPROOFING SPECIAL INSPECTOR 4. ICC-RCSI REINFORCED CONCRETE SPECIAL INSPECTOR
- NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET) 1. NICET-CT CONCRETE TECHNICIAN LEVELS I, II, III & IV
- NICET-ST SOILS TECHNICIAN LEVELS I, II, III & IV 3. NICET-GET GEOTECHNICAL ENGINEERING TECHNICIAN - LEVELS I, II, III & IV

#### REQUIRED VERIFICATION AND INSPECTION OF SOILS

CONTINUOUS

CONTINUOUS

ALL TESTING SHALL BE PERFORMED BY A QUALIFIED INDEPENDENT TESTING LABORATORY ACCEPTABLE TO THE ENGINEER AND OWNER, CONTRACTED BY THE OWNER.

- VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY AND ARE CONSISTENT WITH THE GEOTECHNICAL REPORT.
- EARTHWORK INSPECTOR PE/GE, EIT OR ETT CONTINUOUS

EARTHWORK INSPECTOR PE/GE, EIT OR ETT

EARTHWORK INSPECTOR PE/GE, EIT OR ETT

- VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED THE PROPER MATERIAL
- PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS TESTING FREQUENCY PER SPECIFICATION EARTHWORK INSPECTOR PE/GE, EIT OR ETT
- TEST AND VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENTAND COMPACTION OF CONTROLLED FILL.
- EARTHWORK INSPECTOR PE/GE, EIT OR ETT INSPECT REMOVAL OF UNSUITABLE MATERIAL AND PREPARATION OF SUBGRADE PRIOR TO PLACEMENT OF CONTROLLED FILL.
- EARTHWORK INSPECTOR PE/GE, EIT OR ETT PRIOR TO PLACEMENT OF CONTROLLED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.
  - EARTHWORK INSPECTOR PE/GE, EIT OR ETT APPROVE SUBGRADE PRIOR TO FORMING FOOTINGS, PREPARING SLABS-ON-GRADE AND PLACING CONCRETE.

#### REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

ALL TESTING SHALL BE PERFORMED BY A QUALIFIED INDEPENDENT TESTING LABORATORY ACCEPTABLE TO THE ENGINEER AND OWNER,

- CONTRACTED BY THE OWNER. INSPECTION OF REINFORCING STEEL INCLUDING SIZE, SPACING, COVER, LAPS. VERIFY THAT BARS ARE FREE OF FORM OIL OR OTHER DELETERIOUS MATERIALS. VERIFY THAT BARS ARE ADEQUATELY TIED AND SUPPORTED ON CHAIRS OR BOLSTERS
- ETT TESTING FREQUENCY PER SPECIFICATION INSPECTION OF EMBEDDED STRUCTURAL STEEL ITEMS, SUCH AS COLUMN ANCHOR RODS, PRIOR TO AND DURING CONCRETE PLACEMENT. INSPECT SIZE, POSITIONING, EMBEDMENT AND CONCRETE CONSOLIDATION AROUND ANCHORS.
- 24HR PRIOR TO CONCRETE PLACEMENT ETT REVIEW BATCH TICKETS AND VERIFY COMPLIANCE WITH APPROVED MIX DESIGN. VERIFY THAT WATER ADDED AT THE SITE DOES NOT EXCEED THAT ALLOWED BY THE MIX DESIGN.
- ACI-CFTT, ACI-STT AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, VERIFY SLUMP, AIR CONTENT AND TEMPERATURE.
- CONTINUOUS ACI-CFTT, ACI-STT INSPECTION OF CONCRETE FOR PROPER PLACEMENT TECHNIQUES, INCLUDING HOT AND COLD WEATHER CONCRETING. VERIFY THAT CONVEYANCE AND DEPOSITING AVOIDS SEGREGATION OR CONTAMINATION AND ACHIEVES PROPER CONSOLIDATION
- ACI-CFTT, ACI-STT
- INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES PERIODIC
- INSPECT FORMWORK GEOMETRY, FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED. 24HR PRIOR TO CONCRETE PLACEMENT
- INSPECT THE TIMELY INSTALLATION OF SLAB CONTROL JOINTS AND LOCATION OF THICKENED SLABS. ETT WITHIN 12-HRS OF PLACING CONCRETE AND BEFORE CONCRETE DEVELOPS

#### REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION

RANDOM CONTRACTION CRACKS

ALL TESTING SHALL BE PERFORMED BY A QUALIFIED INDEPENDENT TESTING LABORATORY ACCEPTABLE TO THE ENGINEER AND OWNER AT,

- CONTRACTED BY THE OWNER. VERIFY STRENGTH: SAMPLE, PREPARE AND TEST GROUT SPECIMENS, MORTAR SPECIMENS, AND MASONRY PRISMS.

INSPECT PROPORTIONING, MIXING AND RETEMPERING OF MORTAR AND GROUT

INSPECT THE SIZE, QUANTITY, CONDITION AND PLACEMENT OF REINFORCING

PERIODIC, PRIOR TO GROUTING

- VERIFY MASONRY INSTALLATION SPECIFICATIONS. INSPECT SIZE, LAYOUT, BONDING AND PLACEMENT OF MASONRY.
- INSPECT CELLS PRIOR TO GROUTING AND VERIFY GROUTING PROCEDURES. INSPECT PLACEMENT AND CONSOLIDATION OF GROUT.
- INSPECT MASONRY CLEAN-OUTS FOR HIGH-LIFT GROUTING. CONTINUOUS
- INSPECT CONSTRUCTION OF MORTAR JOINTS INCLUDING TOOLING AND FILLING OF HEAD JOINTS
- INSPECT ANCHORAGE OF MASONRY TO OTHER CONSTRUCTION AND INSTALLATION OF EMBEDDED ITEMS. PE/SE, EIT

VERIFY CURING AND PROTECTION PROCEDURES. VERIFY PROTECTION FOR COLD AND HOT WEATHER PROCEDURES. VERIFY THAT WALL

CAVITIES ARE PROTECTED AGAINT PRECIPITATION

1 ADDENDUM 004 0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020 DESCRIPTION / GILLESPIE No. 12631

WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511

> SARASOTA, FLORIDA 941-556-0757 **40A MANSON LIBBY** ROAD GSA FITOUT 40A MANSON LIBBY ROAD

> > SCARBOROUGH, ME 04074

STRUCTURAL GENERAL NOTES AND SPECIAL INSPECTIONS

WBRC CAD FILE: 4290.00 - GSA DHS-ARCH R19.rvt 4290.00 GRAPHIC SCALE: PROJECT No. 12" = 1'-0"

CHECKED BY

PROJECT MANAGER DRAWN BY:

IDENTITY OF THE APPROVED AGENCIES TO BE RETAINED FOR CONDUCTING THESE TESTS AND INSPECTIONS.

REQUIREMENTS OF ACI 318 AND BE NO LESS THAN 40 BAR DIAMETERS.

6. CLEARANCE OF REINFORCING BARS FROM CONCRETE SURFACES SHALL BE:

INTERIOR EXPOSED FACES OF WALLS: 1"

HORIZONTAL BARS FROM TOP OF WALL: 2" MAX. TIES FROM TOP OF PIER OR COLUMN: 2" MAX.

IN DEPTH OR WIDTH AND 1/2" FOR CONCRETE SHAPES MORE THAN 10" IN DEPTH OR WIDTH.

1. CONCRETE WORK SHALL COMPLY WITH THE LATEST EDITION OF ACI 301, "STANDARD SPECIFICATION FOR

DEFECTS, AND FREE OF PRONOUNCED HONEYCOMBS, AIR POCKETS, VOIDS AND PROJECTIONS, OFFSETS OF PLANE OR OTHER DEFACEMENTS ON EXPOSED SURFACES.

7. ALL INTERIOR SLABS ON GROUND SHALL BE PLACED ON A LAYER OF COMPACTED GRANULAR MATERIAL.

SHALL RECEIVE AN APPROVED LIQUID PENETRATING SEALER SUCH AS "SALTGUARD WB" BY CONSOLIDECK.

28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI. 4. ALL GROUTING PROCEDURES SHALL CONFORM TO ACI PROCEDURES.

5. MORTAR SHALL BE TYPE S HIGH STRENGTH MORTAR.

INSPECTOR BEFORE CONCEALING WITH STRUCTURAL FILL AND BEFORE THE FOOTINGS ARE FORMED AND CAST.

6. NO CONCRETE SLAB OR FOOTING SHALL BE PLACED IN WATER, ON MUD OR FROZEN MATERIAL. 7. MATERIAL ADJACENT TO AND BELOW FOOTING SHALL BE KEPT FROM FREEZING AT ALL TIMES. IF ANY MATERIAL IS FOUND TO BE FROZEN, IT SHALL BE REMOVED AND REPLACED WITH CONCRETE. IF ANY FROZEN MATERIAL IS FOUND

5. ALL WALLS AND PIERS SHALL BE CENTERED OVER FOOTINGS, UNLESS DETAILED OTHERWISE.

A1 STRUCTURAL GENERAL NOTES

12" = 1'-0"

06 MAY 2020 03 APR 2020 3 ADDENDUM 004 ADDENDUM 003 1 ADDENDUM 002 16 MAR 2020 0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020
REV. DESCRIPTION DATE WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 40A MANSON LIBBY ROAD GSA FITOUT 40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074 INTERIOR ELEVATIONS SHEET TITLE: WBRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt 4290.00 GRAPHIC SCALE: 1/2" = 1'-0"

REFER TO SHEET AE702 AND PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION ON ROOM SIGNAGE.

3 ADDENDUM 004
2 ADDENDUM 003
1 ADDENDUM 002
1 1 ADDENDUM 002
0 100% CONSTRUCTION DOCUMENTS
28 FEB 2020
REV. DESCRIPTION
DATE

\*\*TFOF MANK\*\*

\*\*ATFOF MANK\*\*

\*\*ARCHITECTS \*\*ENGINEERS\*\*

\*\*WWW.WBRCAE.COM\*\*

\*\*BANGOR, MAINE 207-947-4511\*

\*\*PORTLAND, MAINE 207-924-4511\*

\*\*SARASOTA, FLORIDA 941-556-0757\*

\*\*40A MANSON LIBBY\*\*

ROAD GSA FITOUT

40A MANSON LIBBY ROAD
SCARBOROUGH, ME 04074

INTERIOR ELEVATIONS

SHEET TITLE:

WBRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt

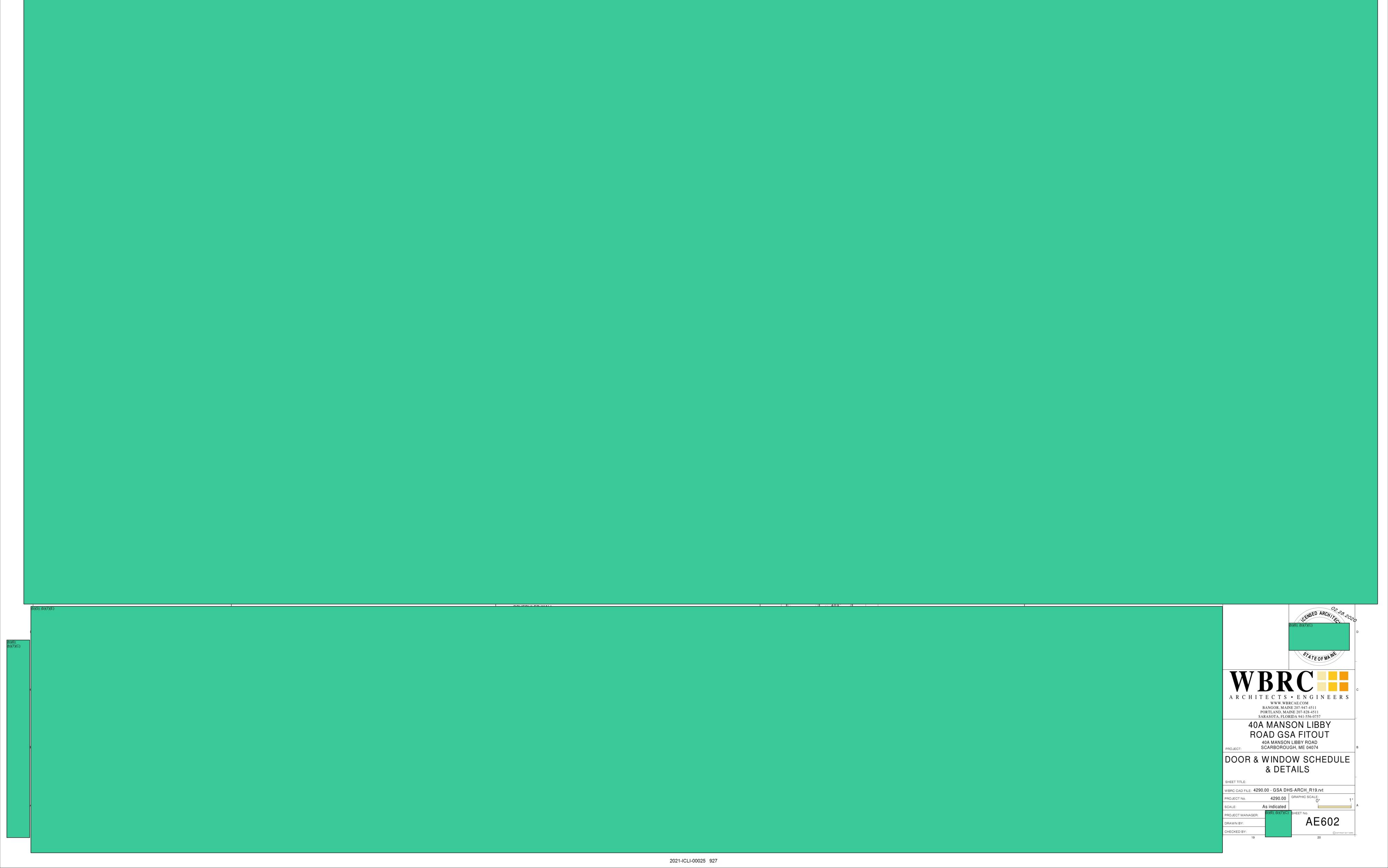
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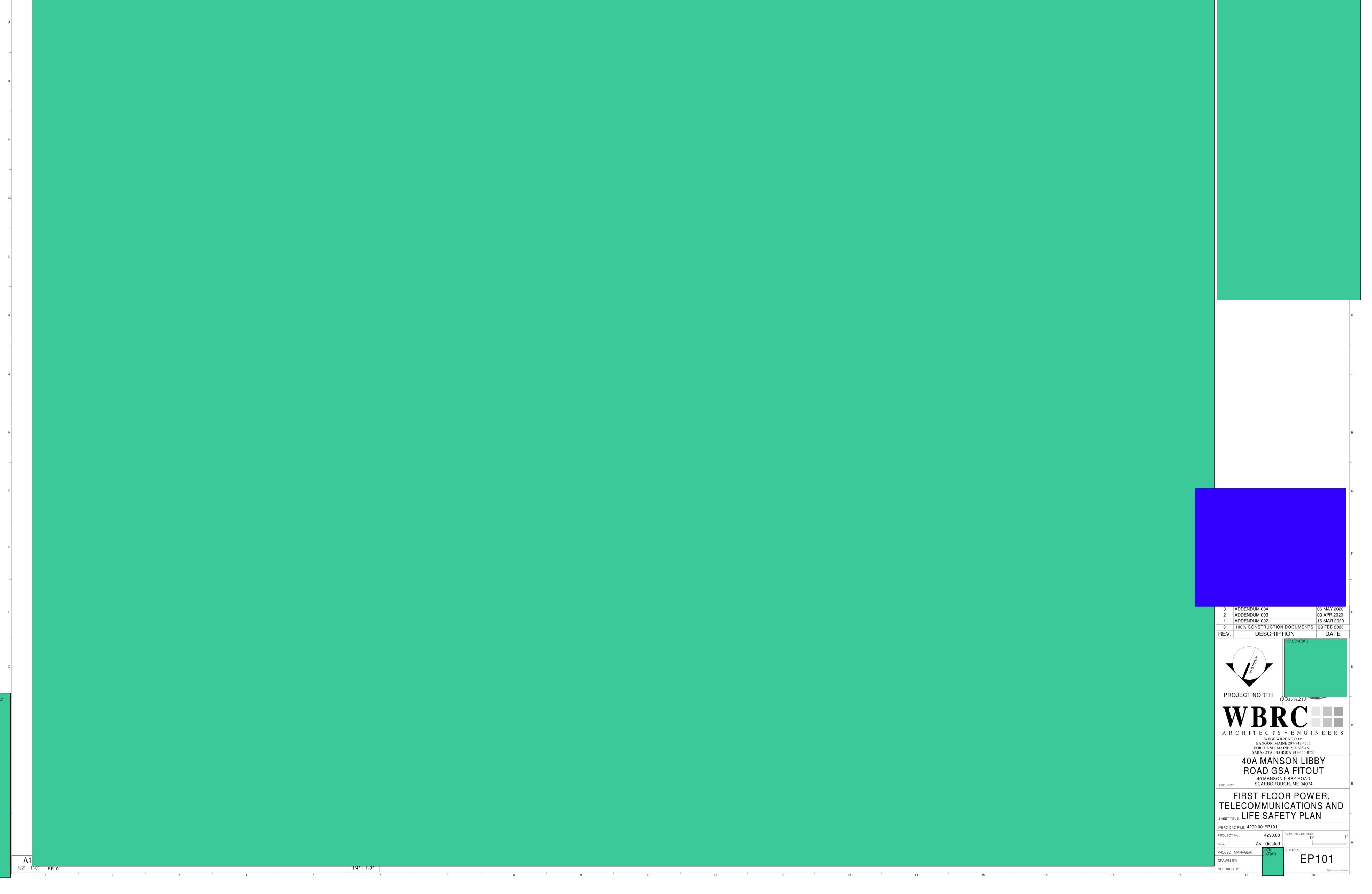
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SCALE: As indicated

NAGER: (b)(6); (b)(7)(C) AE2







 
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 ADDENDUM 004
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 100% CONSTRUCTION DOCUMENTS
 28 FEB 2020

 REV.
 DESCRIPTION
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 WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 40A MANSON LIBBY
ROAD GSA FITOUT

40 MANSON LIBBY ROAD
SCARBOROUGH, ME 04074 FIRST FLOOR SECURITY & ACCESS CONTROL PLAN SHEET TITLE: WBRC CAD FILE: 4290.00-ES101 4290.00 GRAPHIC SCALE: PROJECT No. 1/4" = 1'-0" PROJECT MANAGER: DRAWN BY: CHECKED BY:



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| DID Review                          |                  | 1                       |                    |                          |                     |                                   |                 |                    |                               |                                     |
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| DID Review<br>(b)(5); (b)(6); (b)(7 | 7)(C); (b)(7)(E) |                         |                    |                          |                     |                                   |                 |                    |                               |                                     |

























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From: (b)(6); (b)(7)(C)

**Sent:** 15 May 2020 16:34:18 +0000

**To:** (b)(6); (b)(7)(C)

(b)(6); (b)(7)(C)

**Subject:** FW: ICE-ERO Scarborough ME - Final Reviewed CD's

Attachments: 2020\_05\_06 - Conformed Drawing Set.pdf

To all reviewers,

Attached final CDs.

#### (b)(6); (b)(7)(C)

MA. NCARB. SAME. Intl. Assoc. AIA.
Regions 1-2 & 4 | OAFM Project Manager
HSI SAC Miami
11226NW 20<sup>th</sup> Street
Miami, Fl 33172
O:305-597 (b)(6);
C: 202-754 (b)(7)(C)

From: (b)(6); (b)(7)(C)

Sent: Monday, May 11, 2020 7:30 AM

To: (b)(6); (b)(7)(C)

Cc:

Subject: ICE-ERO Scarborough ME - Final Reviewed CD's

H;(b)(6); (b)(7)(C)

Attached is the final reviewed CD's.

Thanks,

#### (b)(6); (b)(7)(C)

Project Manager
New England Region
U.S. General Services Administration
10 Causeway Street (b)(6); (b)(7)(C)
Boston, MA 02222
(C) 617-275 (b)(6);

# 40A MANSON LIBBY ROAD GSA FITOUT

40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074

100% CONSTRUCTION DOCUMENTS







BANGOR, MAINE
(207) 947-4511
PORTLAND, MAINE
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SARASOTA, FLORIDA
(941) 556-0757
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# INDEX

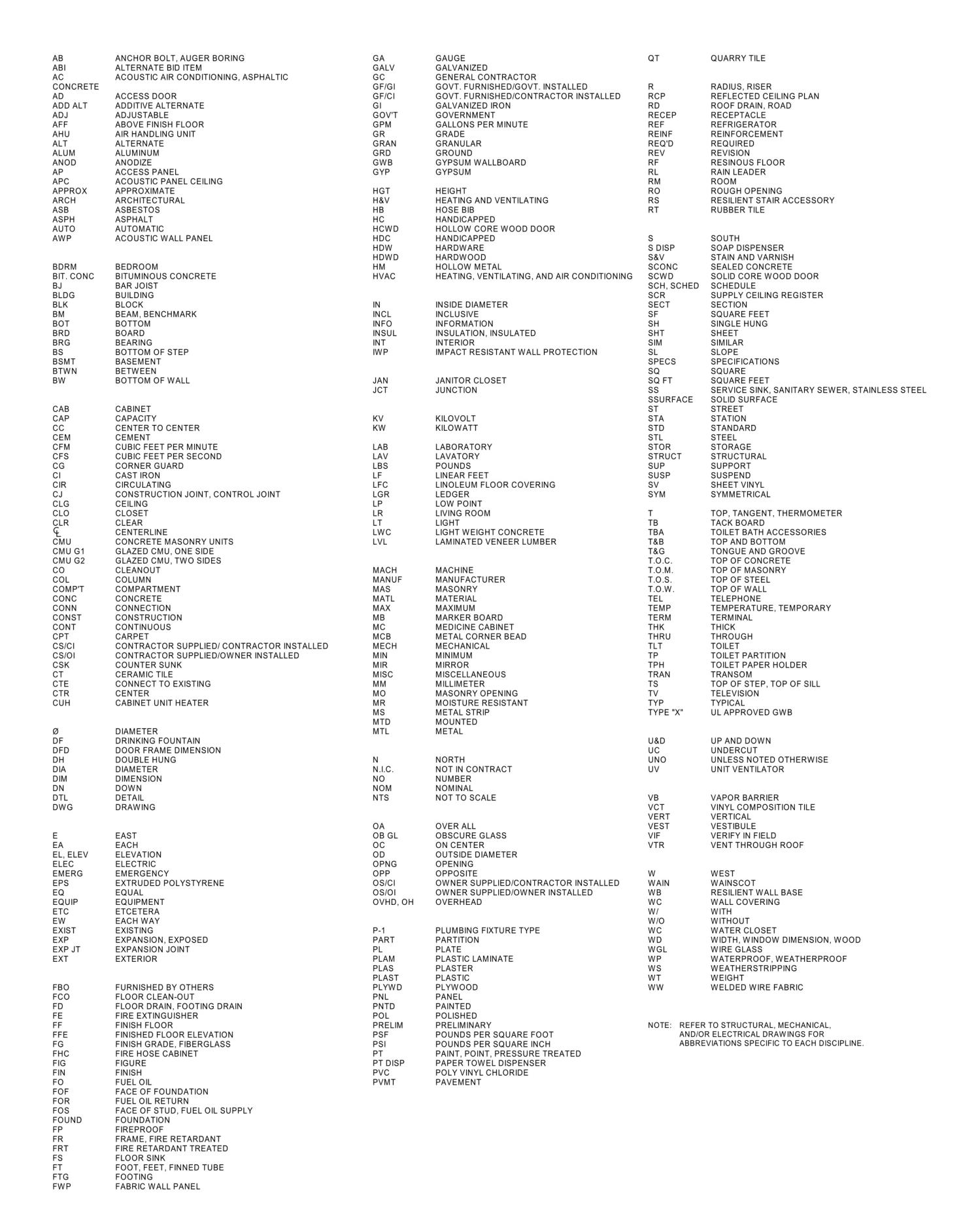
COVER SHEET

SYMBOLS AND ABBREVIATIONS CODE REVIEW SUMMARY

GENERAL DRAWING

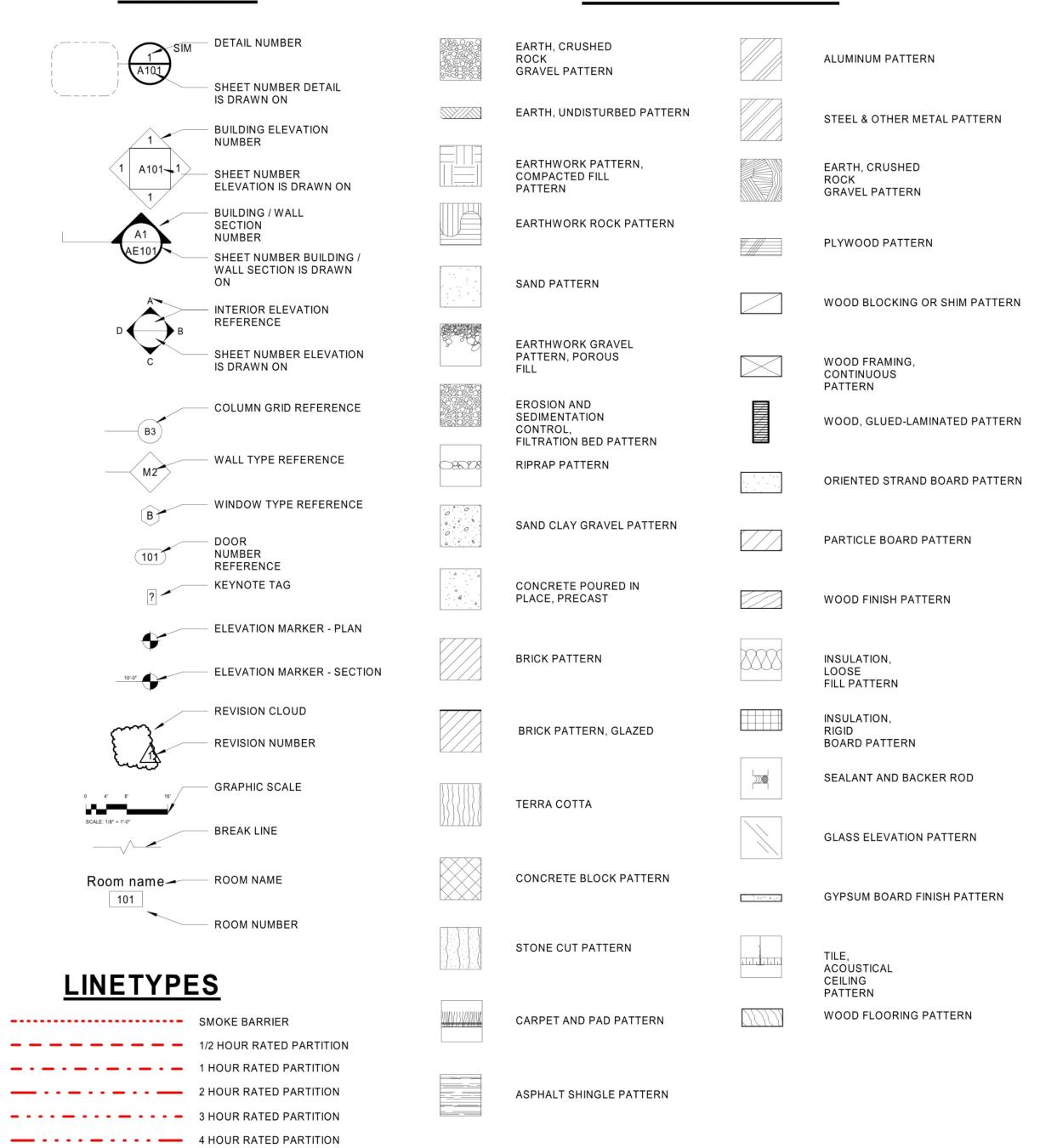
CIVIL DRAWINGS

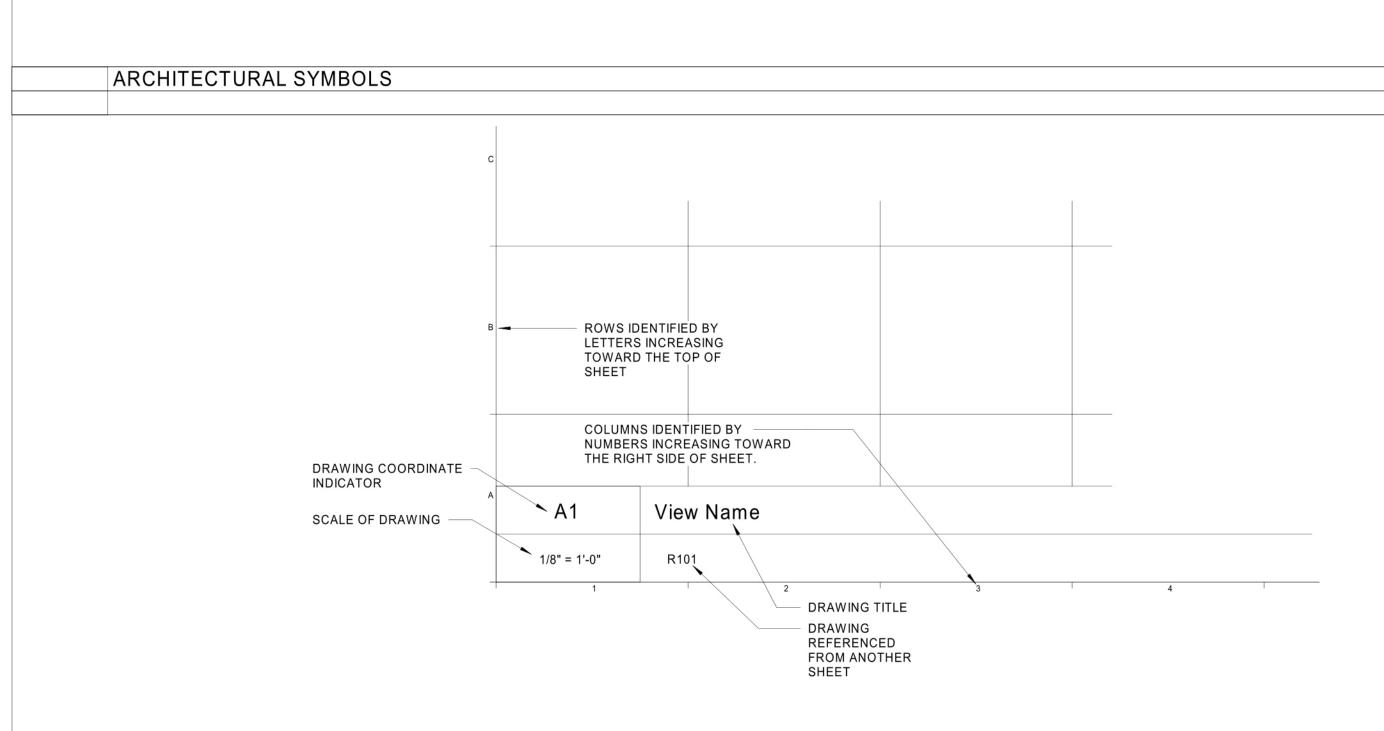
SITE GENERAL NOTES & ABBREVIATIONS SURVEY **BOUNDARY SURVEY** SITE REMOVALS PLAN SITE LAYOUT PLAN CG101 SITE GRADING PLAN CU101 SITE UTILITY PLAN C501 SITE DETAILS SITE DETAILS STRUCTURAL STRUCTURAL GENERAL NOTES AND SPECIAL INSPECTIONS FOUNDATION AND SLAB PLAN ROOF FRAMING PLAN FOUNDATION AND FRAMING SECTIONS AND DETAILS MASONRY SECTIONS AND DETAILS EXTERIOR MASONRY WALL ELEVATIONS ARCHITECTURAL DRAWINGS FIRST FLOOR REMOVAL PLAN EXTERIOR ELEVATION REMOVALS AE101 FIRST FLOOR NEW WORK PLAN FIRST FLOOR REFLECTED CEILING PLAN AE110 AE201 EXTERIOR ELEVATIONS INTERIOR ELEVATIONS INTERIOR ELEVATIONS AE204 INTERIOR ELEVATIONS AE301 WALL SECTIONS AE501 AE601 PARTITION TYPES & DETAILS AE602 DOOR & WINDOW SCHEDULE & DETAILS FINISH SCHEDULE & DETAILS FURNITURE / EQUIPMENT & SIGNAGE PLAN FIRST FLOOR FIRE PROTECTION PLAN PLUMBING LEGEND FIRST FLOOR PLUMBING REMOVALS PLAN FIRST FLOOR PLUMBING PLAN PLUMBING SCHEDULES MECHANICAL DRAWINGS MECHANICAL LEGEND FIRST FLOOR MECHANICAL REMOVALS PLAN FIRST FLOOR MECHANICAL PLAN MECHANICAL DETAILS MECHANICAL SCHEDULES **ELECTRICAL DRAWINGS** ELECTRICAL LEGEND AND LIGHT FIXTURE SCHEDULE FIRST FLOOR ELECTRICAL REMOVALS PLAN ED101 FIRST FLOOR LIGHTING PLAN FIRST FLOOR POWER, TELECOMMUNICATIONS AND LIFE SAFETY PLAN FIRST FLOOR SECURITY & ACCESS CONTROL PLAN ELECTRICAL DETAILS AND SCHEDULES E-502 ELECTRICAL DETAILS Signature Contractor 0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020 DESCRIPTION STATE OF MAINE SHEET No. COMM No. G1001 4290.00



**SYMBOLS** 

#### **HATCH PATTERNS**





0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020 DESCRIPTION STATE OF MAINE PROJECT NORTH

ARCHITECTS • ENGINEERS WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511

SARASOTA, FLORIDA 941-556-0757 **40A MANSON LIBBY ROAD GSA FITOUT** 40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074

SYMBOLS AND **ABBREVIATIONS** 

SHEET TITLE: WBRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt As indicated

4290.00 GRAPHIC SCALE:

PROJECT MANAGER DRAWN BY:

CHECKED BY:

ARCHITECTURAL ABBREVIATIONS

— · — · — MATCH LINE

2021-ICLI-00025 948

DRAWING AREA

PROJECT LOCATION: 40 MANSON LIBBY ROAD SCARBOROUGH, ME 04074 **CURRENT BUILDING DESIGN CRITERIA:** BUILDING CODE:

IBC 2015

NFPA 101 LIFE SAFETY CODE 2018 EDITION 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE PROJECT DESCRIPTION:

PREVIOUS USE GROUP: B BUSINESS (SIGN COMPANY)
PROPOSED USE GROUP: B BUSINESS
CONSTRUCTION TYPE: NONCOMBUSTIBLE/UNPROTECTED (2B WITH AUTOMATIC SPRINKLER SYSTEM) ALLOWABLE AREA 92,000 SF ALLOWABLE TENANT GROSS SF: APPROXIMATELY 6,080 SF BUILDING GROSS SF: ALLOWABLE # OF STORIES: 3 ALLOWABLE / 1 PROVIDE BUILDING HEIGHT: 75' ALLOWABLE / LESS THAN 75' PROVIDED FIRE PROTECTION SYSTEM:

AUTOMATIC SPRINKLER SYSTEM – PROVIDED

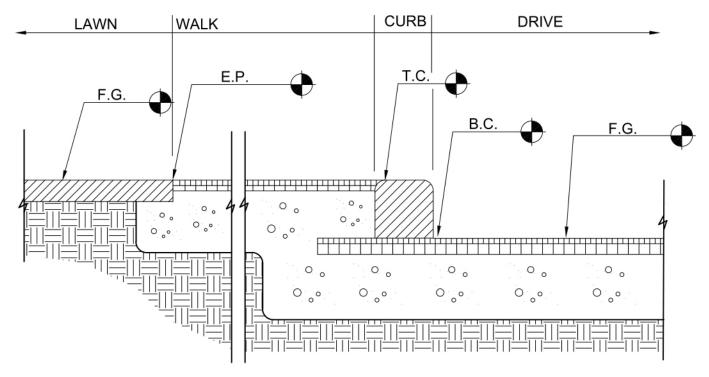
FIRE ALARMS, IBC 907.2.2 FIRE ALARMS REQUIRED IN GROUP B WHEN OCCUPANT LOAD > 500 (NOT REQUIRED/ PROVIDED) EXIT ANALYSIS:
OCCUPANCY LOAD: TABLE 1004.1.2 BUSINESS AREA: 100/GROSS SF STORAGE/MECHANICAL: 300/GROSS SF BUSINESS AREAS: 4,771 SF STORAGE/MECH: 1,309 SF 4,771 /100 = 47.71 + 1,309 /300 = 4.36 = 52.07 OCCUPANTS EGRESS WIDTH PER OCCUPANCY: TABLE 1005.3.2 USE GROUP B, WITH SPRINKLER SYSTEMS DOORS AND RAMPS: 0.2 INCHES PER OCCUPANT 52.07 OCCUPANTS X 0.2 INCHES PER OCCUPANT = 10.41 INCHES REQUIRED TOTAL EGRESS WIDTH PROVIDED IN EXISTING = 108 INCHES MAX TRAVEL DISTANCE = 300' - 0" W/SPRINKLER SYSTEM (SEE PLAN FOR MAXIMUM DISTANCE) PLUMBING FACILITIES IBC (TABLE 2902.1):
BUSINESS AREAS: 4,771 SF -365SF FOR HOLDING 1,2 &3 = STORAGE/MECH: 1,309 SF 4,406 /100 = 44.06 + 1,309 /300 = 4.36 = 48.42 OCCUPANTS 48.42 OCCUPANTS = 24.21 OCCUPANTS PER SEX WATER CLOSETS (MALE) = 1/25= 1 REQUIRED / 1 PROVIDED URINALS = NO MORE THAN 67% OF REQUIRED TOILETS = 0 REQUIRED / 1 PROVIDED WATER CLOSETS (FEMALE) = 1/25 = 1 REQUIRED / 1 PROVIDED LAVATORIES (MALE) = 1/40 = 1 REQUIRED / 2 PROVIDED LAVATORIES (FEMALE) = 1/40 = 1 REQUIRED / 1 PROVIDED DRINKING FOUNTAINS = 1/100 = 1 REQUIRED / 2 PROVIDED SERVICE SINK = 1 REQUIRED / 1 PROVIDED PLUMBING FACILITIES UNIFORM PLUMBING CODE:
ASSUMES 18 OCCUPANTS EXCLUDING OCCUPANT IN HOLDING 1,2 & 3 18 OCCUPANTS = 9 OCCUPANTS PER SEX WATER CLOSETS (MALE) = 1/15= 1 REQUIRED / 1 PROVIDED URINALS 0/9 = 0 RÈQUIRÉD / 1 PROVIDED WATER CLOSETS (FEMALE) = 1/15 = 1 REQUIRED / 1 PROVIDED LAVATORIES (MALE) = 1/40 = 1 REQUIRED / 2 PROVIDED LAVATORIES (FEMALE) = 1/40 = 1 REQUIRED / 1 PROVIDED DRINKING FOUNTAINS = 1 REQUIRED / 2 PROVIDED 1 ADDENDUM 003 0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020 REV. DESCRIPTION DATE WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 **40A MANSON LIBBY ROAD GSA FITOUT** 40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074 CODE REVIEW SUMMARY

WBRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt

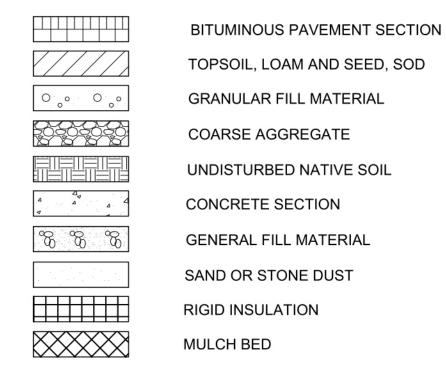
PROJECT MANAGER:

DRAWN BY:

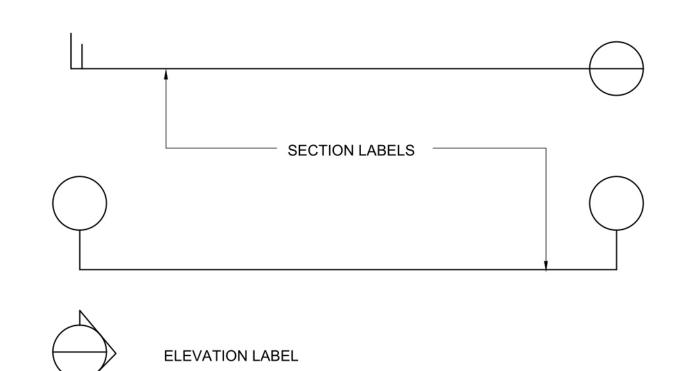
CHECKED BY:



#### SYMBOLS



SPOT ELEVATION REFERENCE INDEX



#### REMOVALS NOTES

PROPOSED MARKINGS.

- R1 THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL UTILITIES AND SHALL NOTIFY THE ARCHITECT OF UTILITIES DEVIATING FROM THOSE SHOWN ON THIS PLAN
- R2 THE CONTRACTOR SHALL MEET THE REQUIREMENTS OF THE UTILITY COMPANIES WHEN INSTALLING WORK ON OR NEAR THEIR POLES.
- R3 REMOVE ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH
- R4 ALL DEMOLITION DEBRIS AND REMOVALS SHALL BE DISPOSED OF
- R5 TREE CANOPY AS SHOWN ON PLANS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED BY THE SITE CONTRACTOR

OFFSITE AND IN CONFORMANCE WITH LOCAL AND STATE ORDINANCES

- LAYOUT NOTES
- L1 THE CONTRACTOR SHALL NOTIFY THE OWNER/ARCHITECT OF CONDITIONS VARYING FROM THOSE SHOWN ON THE DRAWING SHEET PRIOR TO CONTINUING WORK.
- L2 THE CONTRACTOR SHALL EMPLOY A REGISTERED LAND SURVEYOR IN THE LAYOUT OF BUILDING, DRIVES AND SITE ELEMENTS.
- L3 THE CONTRACTOR SHALL VERIFY AND CLEARLY MARK LOCATION OF ALL PROPERTY LINES PRIOR TO COMMENCING WORK.

#### GRADING NOTES

SURVEYING.

- G1 TOPOGRAPHIC INFORMATION BASED ON A SURVEY BY SPURWINK
- G2 BOUNDARY INFORMATION BASED ON A SURVEY BY SPURWINK
- G3 ALL ELEVATIONS SHOWN HEREIN ARE BASED ON A SURVEY BY SPURWINK SURVEYING.
- G4 ALL TOPSOIL AND ORGANICS SHALL BE REMOVED FROM PAVEMENT AND BUILDING AREAS PRIOR TO CONSTRUCTION. THIS MATERIAL SHALL NOT BE USED AS GENERAL SITE FILL.
- G5 FINISH GRADES ONE FOOT FROM BUILDING SHALL BE 8" BELOW FINISH FLOOR UNLESS OTHERWISE NOTED.
- G6 FINISH GRADES OF SIDEWALKS AT BUILDING ENTRANCES SHALL BE FLUSH WITH FINISH FLOOR UNLESS OTHERWISE NOTED
- G7 NO TEST PITS WERE PROVIDED.
- G8 ALL DISTURBED AREAS NOT RECEIVING PAVEMENT, BUILDING, STONE DUST, COURSE AGGREGATE, ETC. SHALL RECEIVE 6" OF LOAM AND SEED UNLESS OTHERWISE NOTED.

### UTILITY NOTES

- E1 ALL UNDERGROUND SECONDARY SHALL BE RUN IN SCH. 40 CONDUIT UNLESS SPECIFIED OTHERWISE.
- E2 ALL UNDERGROUND ELECTRICAL FOR SITE LIGHTING SHALL BE RUN IN SCH. 40 P.V.C. CONDUIT.
- E3 ALL CABLE TELEVISION / TELEPHONE LINES SHALL BE RUN IN SCH. 40 P.V.C. CONDUIT.
- E4 PROVIDE PULL WIRE IN ALL UNDERGROUND CONDUITS.
- \_\_\_\_\_ E5 MAINTAIN 2' 6" COVER OVER CABLE TELEVISION/TELEPHONE.
  - S1 WHERE NEW WATER AND SEWER RUN SIDE BY SIDE, MAINTAIN A TEN FOOT (10') HORIZONTAL SEPARATION. WHERE THEY CROSS, MAINTAIN AN EIGHTEEN INCH (18") VERTICAL SEPARATION, WITH WATERLINE ABOVE SEWER. IF WITHIN 18" MIN. VERTICAL SEPARATION, ENCASE WATERLINE 10' EITHER SIDE OF SEWER IN CONC. 3,000 PSI MIN.
  - S2 SEWER SERVICE, WHEN ENTERING THE BUILDING, SHALL BE 6' 0" BELOW FINISH FLOOR, UNLESS NOTED OTHERWISE.
  - W1 MAINTAIN A 5' 6" MINIMUM COVER OVER WATER LINE.
  - U1 THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
  - U2 THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCHING AND BACKFILLING OF ALL CONDUIT. CONDUIT AND WIRING SHALL BE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR.
  - U3 PRIOR TO ANY EARTHWORK ACTIVITIES, THE CONTRACTOR SHALL CONTACT CONTROLLING UTILITY CO., OR CALL "DIGSAFE" AT 1-888-DIG-SAFE. ANY UTILITIES ENCOUNTERED THAT ARE TO REMAIN IN PLACE OR BE ABANDONED SHALL BE DISCONNECTED AND TERMINATED IN ACCORDANCE WITH THE CONTROLLING UTILITY CO. AND NATIONALLY OR LOCALLY APPLICABLE CODES AND ORDINANCES.
  - U4 NO UTILITY TRENCH SHALL BE BACKFILLED UNTIL WORK HAS BEEN INSPECTED AND APPROVED BY PROJECT ENGINEER AND CONTROLLING UTILITY CO. OR
  - U5 ALL SANITARY SEWER LINE TO BE SDR 35 PVC MEETING ALL PERFORMANCE CHARACTERISTICS OF ASTM D3034. ALL PIPES AND FITTINGS SHALL HAVE PUSH-ON JOINTS WITH RUBBER GASKETS CONFORMING TO ASTM D1869 AND F477.
  - U6 ALL NEW WATER SERVICE LINE SHALL BE TYPE K COPPER MEETING ALL PERFORMANCE CHARACTERISTICS OF ASTM B-88-62 FOR TYPE K COPPER. ALL FITTINGS SHALL BE COMPRESSION TYPE.
  - ALL NEW WATER SPRINKLER SERVICE SHALL BE CLASS 52 DUCTILE IRON MEETING ALL PERFORMANCE CHARACTERISTICS OF THE LATEST VERSION OF
  - U8 THE FOLLOWING UTILITY COMPANIES ARE LOCATED WITHIN THE PROJECT SITE:
    - SCARBOROUGH SANITARY DISTRICT - PORTLAND WATER DISTRICT
    - CENTRAL MAINE POWER COMPANY
  - FAIR POINT COMMUNICATIONS

#### EROSION AND SEDIMENTATION CONTROL PLAN

(PURSUANT TO 38 MRSA § 420-C)

DISTRICT

ALL EROSION AND SEDIMENTATION CONTROL MEASURES ARE DESIGNED ACCORDING TO THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION'S MAINE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES MANUAL, 2003. SEDIMENT CONTROL MEASURES MUST BE IN PLACE BEFORE ACTIVITY BEGINS. MEASURES MUST REMAIN IN PLACE AND FUNCTIONAL UNTIL THE SITE IS PERMANENTLY STABILIZED. 1. POLLUTION PREVENTION. MINIMIZE DISTURBED AREAS AND PROTECT NATURAL DOWN-GRADIENT BUFFER AREAS TO THE EXTENT PRACTICABLE. THE DISCHARGE MAY NOT RESULT IN EROSION OF ANY OPEN DRAINAGE CHANNELS, SWALES, UPLAND. OR COASTAL OR FRESHWATER WETLANDS. MINIMIZE DISTURBED AREAS THROUGH PHASING. IF WORK WITHIN AN AREA IS NOT ANTICIPATED TO BEGIN WITHIN TWO WEEKS TIME, LEAVE THE AREA IN ITS NATURALLY EXISTING COVER IF **PRACTICABLE** 

- 2. SEDIMENT BARRIERS. PRIOR TO CONSTRUCTION, PROPERLY INSTALL SEDIMENT BARRIERS AT THE EDGE OF ANY DOWN-GRADIENT DISTURBED AREA AND ADJACENT TO ANY DRAINAGE CHANNELS WITHIN THE DISTURBED AREA. MAINTAIN THE SEDIMENT BARRIERS UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED.
- 3. TEMPORARY STABILIZATION. STABILIZE WITH MULCH OR OTHER NON-ERODABLE COVER ANY EXPOSED SOILS THAT WILL NOT BE WORKED FOR MORE THAN 7 DAYS. STABILIZE AREAS WITHIN 75 FEET OF A WETLAND OR WATERBODY WITHIN 48 HOURS OF THE INITIAL DISTURBANCE OF THE SOIL OR PRIOR TO ANY STORM
- EVENT, WHICHEVER COMES FIRST. 4. REMOVAL OF TEMPORARY SEDIMENT CONTROL MEASURES. REMOVE ANY TEMPORARY SEDIMENT CONTROL MEASURES, SUCH AS SILT FENCE, WITHIN 30 DAYS AFTER PERMANENT STABILIZATION IS ATTAINED. REMOVE ANY ACCUMULATED SEDIMENTS AND STABILIZE. REMOVE SILT FENCE BY CUTTING THE FENCE MATERIALS AT GROUND LEVEL TO AVOID ADDITIONAL SOIL DISTURBANCE.
- 5. PERMANENT STABILIZATION. PERMANENTLY STABILIZE ALL DISTURBED AREAS THAT WILL NOT BE WORKED FOR MORE THAN ONE YEAR OR THAT HAVE BEEN BROUGHT TO FINAL GRADE BY PLANTING VEGETATION, SEEDING, SOD, OR THROUGH THE USE OF PERMANENT MULCH, OR RIPRAP, OR ROAD SUB-BASE. IF USING VEGETATION FOR STABILIZATION, SELECT THE PROPER VEGETATION FOR THE LIGHT, SOIL AND MOISTURE CONDITIONS; AMEND AREAS OF DISTURBED SUBSOILS WITH TOPSOIL, COMPOST, OR FERTILIZERS; PROTECT SEEDED AREAS WITH MULCH OR, IF NECESSARY, EROSION CONTROL BLANKETS; AND SCHEDULE SODDING, PLANTING, AND SEEDING TO AVOID DIE-OFF FROM SUMMER DROUGHT AND FALL FROSTS. NEWLY SEEDED OR SODDED AREAS MUST BE PROTECTED FROM VEHICLE TRAFFIC. EXCESSIVE PEDESTRIAN TRAFFIC, AND CONCENTRATED RUNOFF UNTIL THE VEGETATION IS WELL-ESTABLISHED. IF NECESSARY, AREAS MUST BE SEEDED AND MULCHED AGAIN IF GERMINATION IS SPARSE, PLANT COVERAGE IS SPOTTY, OR TOPSOIL EROSION IS EVIDENT. ONE OR MORE OF THE FOLLOWING MAY APPLY TO A
- PARTICULAR SITE. (A) SEEDED AREAS. FOR SEEDED AREAS. PERMANENT STABILIZATION MEANS A 90% COVER OF HEALTHY PLANTS WITH NO EVIDENCE OF WASHING OR RILLING OF THE TOPSOIL
- (B) SODDED AREAS. FOR SODDED AREAS, PERMANENT STABILIZATION MEANS THE COMPLETE BINDING OF THE SOD ROOTS INTO THE UNDERLYING SOIL WITH NO SLUMPING OF THE SOD OR DIE-OFF.
- (C) PERMANENT MULCH. FOR MULCHED AREAS, PERMANENT MULCHING MEANS TOTAL COVERAGE OF THE EXPOSED AREA WITH AN APPROVED MULCH MATERIAL. EROSION CONTROL MIX MAY BE USED AS MULCH FOR PERMANENT STABILIZATION ACCORDING TO THE APPROVED APPLICATION RATES AND LIMITATIONS.
- (D) RIPRAP, FOR AREAS STABILIZED WITH RIPRAP, PERMANENT STABILIZATION MEANS THAT SLOPES STABILIZED WITH RIPRAP HAVE AN APPROPRIATE BACKING OF A WELL-GRADED GRAVEL OR APPROVED GEOTEXTILE TO PREVENT SOIL MOVEMENT FROM BEHIND THE RIPRAP. STONE MUST BE SIZED APPROPRIATELY. IT IS RECOMMENDED THAT ANGULAR STONE BE USED.
- (E) AGRICULTURAL USE. FOR CONSTRUCTION PROJECTS ON LAND USED FOR AGRICULTURAL PURPOSES (E.G., PIPELINES ACROSS CROP LAND), PERMANENT STABILIZATION MAY BE ACCOMPLISHED BY RETURNING THE DISTURBED LAND TO AGRICULTURAL USE.
- (F) PAVED AREAS. FOR PAVED AREAS, PERMANENT STABILIZATION MEANS THE PLACEMENT OF THE COMPACTED GRAVEL SUBBASE IS COMPLETED.
- (G) DITCHES, CHANNELS, AND SWALES. FOR OPEN CHANNELS, PERMANENT STABILIZATION MEANS THE CHANNEL IS STABILIZED WITH A 90% COVER OF HEALTHY VEGETATION. WITH A WELL-GRADED RIPRAP LINING, OR WITH ANOTHER NON-EROSIVE LINING SUCH AS CONCRETE OR ASPHALT PAVEMENT. THERE MUST BE NO EVIDENCE OF SLUMPING OF THE CHANNEL LINING, UNDERCUTTING OF THE CHANNEL BANKS, OR DOWN-CUTTING OF THE CHANNEL

6. WINTER CONSTRUCTION. "WINTER CONSTRUCTION" IS CONSTRUCTION ACTIVITY PERFORMED DURING THE PERIOD FROM NOVEMBER 1 THROUGH APRIL 15. IF DISTURBED AREAS ARE NOT STABILIZED WITH PERMANENT MEASURES BY NOVEMBER 1 OR NEW SOIL DISTURBANCE OCCURS AFTER NOVEMBER 1, BUT BEFORE APRIL 15, THEN THESE AREAS MUST BE PROTECTED AND RUNOFF FROM THEM MUST BE CONTROLLED BY ADDITIONAL MEASURES AND RESTRICTIONS.

SPECIFICATIONS: NATURAL RESOURCE PROTECTION ANY AREAS WITHIN 100 FEET FROM ANY NATURAL RESOURCES. IF NOT STABILIZED WITH A MINIMUM OF 75 % MATURE VEGETATION CATCH, SHALL BE MULCHED BY DECEMBER 1 AND ANCHORED WITH PLASTIC NETTING OR PROTECTED WITH AN EROSION CONTROL COVER. DURING WINTER CONSTRUCTION, A DOUBLE ROW OF SEDIMENT BARRIERS (I.E. SILT FENCE BACKED WITH HAY BALES OR EROSION CONTROL MIX) WILL BE PLACED BETWEEN ANY NATURAL RESOURCE AND THE DISTURBED AREA. PROJECTS CROSSING THE NATURAL RESOURCE SHALL BE PROTECTED A MINIMUM DISTANCE OF 100 FEET ON EITHER SIDE FROM THE RESOURCE. EXISTING PROJECTS NOT STABILIZED BY DECEMBER 1 SHALL BE PROTECTED WITH THE SECOND LINE OF SEDIMENT BARRIER TO ENSURE FUNCTIONALITY DURING THE SPRING THAW AND RAINS. SEDIMENT BARRIERS DURING FROZEN CONDITIONS, SEDIMENT BARRIERS MAY CONSIST OF EROSION CONTROL MIX BERMS OR ANY OTHER RECOGNIZED SEDIMENT BARRIERS AS FROZEN SOIL PREVENTS THE PROPER INSTALLATION OF HAY BALES OR SILT FENCES.

MULCHING ALL AREA SHALL BE CONSIDERED TO BE DENUDED UNTIL SEEDED AND MULCHED. HAY AND STRAW MULCH SHALL BE APPLIED AT A RATE OF 150 LB. PER 1,000 SQUARE FEET OR 3 TONS/ACRE (TWICE THE NORMAL ACCEPTED RATE OF 75-LBS./1,000 S.F. OR 1.5 TONS/ACRE) AND SHALL BE PROPERLY ANCHORED. EROSION CONTROL MIX MUST BE APPLIED WITH A MINIMUM 4-INCH THICKNESS. MULCH SHALL NOT BE SPREAD ON TOP OF SNOW. THE SNOW WILL BE REMOVED DOWN TO A ONE-INCH DEPTH OR LESS PRIOR TO APPLICATION. AFTER EACH DAY OF FINAL GRADING, THE AREA WILL BE PROPERLY STABILIZED WITH ANCHORED HAY OR STRAW OR EROSION CONTROL MATTING. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED OR ADEQUATELY ANCHORED SO THAT GROUND SURFACE IS NOT VISIBLE THOUGH THE MULCH. BETWEEN THE DATES OF NOVEMBER 1 AND APRIL 15, ALL MULCH SHALL BE ANCHORED BY EITHER MULCH NETTING, ASPHALT EMULSION CHEMICAL, TRACKING OR WOOD CELLULOSE FIBER. THE COVER WILL BE CONSIDERED SUFFICIENT WHEN THE GROUND SURFACE IS NOT VISIBLE THOUGH THE MULCH. AFTER NOVEMBER 1ST, MULCH AND ANCHORING OF ALL EXPOSED SOIL SHALL OCCUR AT THE END OF EACH FINAL GRADING WORKDAY. SOIL STOCKPILING STOCKPILES OF SOIL OR SUBSOIL WILL BE MULCHED FOR OVER WINTER PROTECTION WITH HAY OR STRAW AT TWICE THE NORMAL RATE OR WITH A FOUR-INCH LAYER OF EROSION CONTROL MIX. THIS WILL BE DONE WITHIN 24 HOURS OF STOCKING AND RE-ESTABLISHED PRIOR TO ANY RAINFALL OR SNOWFALL. ANY SOIL STOCKPILE WILL NOT BE PLACED (EVEN COVERED WITH MULCHED) WITHIN 100 FEET FROM ANY NATURAL RESOURCES.

SEEDING BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1ST, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES FINISHED AREAS SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS BEEN LOOMED, FINAL GRADED WITH A UNIFORM SURFACE, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. DORMANT SEEDING MAY BE PLACED PRIOR TO THE PLACEMENT OF MULCH OR EROSION CONTROL BLANKETS. IF DORMANT SEEDING IS USED FOR THE SITE, ALL DISTURBED AREAS SHALL RECEIVE 4' OF LOAM AND SEED AT AN APPLICATION RATE OF 5LBS/1000 S.F. ALL AREAS SEEDED DURING THE WINTER WILL BE INSPECTED IN THE SPRING FOR ADEQUATE CATCH. ALL AREAS INSUFFICIENTLY VEGETATED (LESS THAN 75 % CATCH) SHALL BE REVEGETATED BY REPLACING LOAM, SEED AND MULCH. IF DORMANT SEEDING IS NOT USED FOR THE SITE, ALL DISTURBED AREAS SHALL BE REVEGETATED IN THE SPRING.

OVERWINTER STABILIZATION OF DITCHES AND CHANNELS ALL STONE-LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED BY NOVEMBER 15. ALL GRASS-LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED BY SEPTEMBER 1. IF A DITCH OR CHANNEL IS NOT GRASS-LINED BY SEPTEMBER 1, THEN ONE OF THE FOLLOWING ACTIONS MUST BE TAKEN TO STABILIZE THE DITCH FOR LATE FALL AND WINTER. INSTALL A SOD LINING IN THE DITCH: A DITCH MUST BE LINED WITH PROPERLY INSTALLED SOD BY OCTOBER 1 PROPER INSTALLATION INCLUDES: PINNING THE SOD ONTO THE SOIL WITH WIRE PINS. ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL, AND ANCHORING SOD AT THE BASE OF THE DITCH WITH JUTE OR PLASTIC MESH TO PREVENT THE SOD FROM SLOUGHING DURING FLOW CONDITIONS. INSTALL A STONE LINING IN THE DITCH: A DITCH MUST BE LINED WITH STONE RIPRAP BY NOVEMBER 15. A REGISTERED PROFESSIONAL ENGINEER MUST BE HIRED TO DETERMINE THE STONE SIZE AND LINING THICKNESS NEEDED TO WITHSTAND THE ANTICIPATED FLOW VELOCITIES AND FLOW DEPTHS WITHIN THE DITCH. IF NECESSARY, THE CONTRACTOR WILL REGRADE THE DITCH PRIOR TO PLACING THE STONE LINING SO TO PREVENT THE STONE LINING FROM REDUCING THE DITCH'S CROSS-SECTIONAL AREA.

OVERWINTER STABILIZATION OF DISTURBED SLOPES ALL STONE-COVERED SLOPES MUST BE CONSTRUCTED AND STABILIZED BY NOVEMBER 15. AND ALL SLOPES TO BE VEGETATED MUST BE SEEDED AND MULCHED BY SEPTEMBER 1. THE DEPARTMENT WILL CONSIDER ANY AREA HAVING A GRADE GREATER THAN 15% TO BE A SLOPE. IF A SLOPE TO BE VEGETATED IS NOT STABILIZED BY SEPTEMBER 1, THEN ONE OF THE FOLLOWING ACTIONS MUST BE TAKEN TO STABILIZE THE SLOPE FOR LATE FALL AND WINTER. STABILIZE THE SOIL WITH TEMPORARY VEGETATION AND EROSION CONTROL MATS -- BY OCTOBER 1 THE DISTURBED SLOPE MUST BE SEEDED WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET AND THEN INSTALL EROSION CONTROL MATS OR ANCHORED MULCH OVER THE SEEDING. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR FAILS TO COVER AT LEAST 75% OF THE SLOPE BY NOVEMBER 1, THEN THE CONTRACTOR WILL COVER THE SLOPE WITH A LAYER OF EROSION CONTROL MIX OR WITH STONE RIPRAP AS DESCRIBED IN THE FOLLOWING STANDARDS. STABILIZE THE SOIL WITH SOD -- THE DISTURBED SLOPE MUST BE STABILIZED WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE CONTRACTOR PINNING THE SOD ONTO THE SLOPE WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. THE CONTRACTOR WILL NOT USE LATE-SEASON SOD INSTALLATION TO STABILIZE SLOPES HAVING A GRADE GREATER THAN 33% (3H:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE. STABILIZE THE SOIL WITH EROSION CONTROL MIX - EROSION CONTROL MIX MUST BE PROPERLY INSTALLED BY NOVEMBER 15. THE CONTRACTOR WILL NOT USE EROSION CONTROL MIX TO STABILIZE SLOPES HAVING GRADES GREATER THAN 50% (2H:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE. STABILIZE THE SOIL WITH STONE RIPRAP -- PLACE A LAYER OF STONE RIPRAP ON THE SLOPE BY NOVEMBER 15. THE DEVELOPMENT'S OWNER WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY ON THE SLOPE AND TO DESIGN A FILTER LAYER FOR UNDERNEATH THE RIPRAP.

OVERWINTER STABILIZATION OF DISTURBED SOILS BY SEPTEMBER 15, ALL DISTURBED SOILS ON AREAS HAVING A SLOPE LESS THAN 15% MUST BE SEEDED AND MULCHED. IF THE DISTURBED AREAS ARE NOT STABILIZED BY THIS DATE. THEN ONE OF THE FOLLOWING ACTIONS MUST BE TAKEN TO STABILIZE THE SOIL FOR LATE FALL AND WINTER. STABILIZE THE SOIL WITH TEMPORARY VEGETATION -- BY OCTOBER 1, SEED THE DISTURBED SOIL WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET, LIGHTLY MULCH THE SEEDED SOIL WITH HAY OR STRAW AT 75 POUNDS PER 1000 SQUARE FEET, AND ANCHOR THE MULCH WITH PLASTIC NETTING. MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR FAILS TO COVER AT LEAST 75% OF THE DISTURBED SOIL BEFORE NOVEMBER 1, THEN MULCH THE AREA FOR OVER-WINTER PROTECTION AS DESCRIBED BELOW. STABILIZE THE SOIL WITH SOD -- STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. STABILIZE THE SOIL WITH MULCH -- BY NOVEMBER 15, MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW AT A RATE OF AT LEAST 150 POUNDS PER 1000 SQUARE FEET ON THE AREA SO THAT NO SOIL IS VISIBLE THROUGH THE MULCH. IMMEDIATELY AFTER APPLYING THE MULCH. ANCHOR THE MULCH WITH PLASTIC NETTING TO PREVENT WIND FROM MOVING

THE MULCH OFF THE DISTURBED SOIL. MAINTENANCE:

MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION SEASON. AFTER EACH RAINFALL, SNOW STORM OR PERIOD OF THAWING AND RUNOFF, THE SITE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES AND PERFORM REPAIRS AS NEEDED TO INSURE THEIR CONTINUOUS FUNCTION. FOLLOWING THE TEMPORARY AND/OR FINAL SEEDING AND MULCHING, THE CONTRACTOR SHALL, IN THE SPRING, INSPECT AND REPAIR ANY DAMAGES AND/OR BARE SPOTS. AN ESTABLISHED VEGETATIVE COVER MEANS A MINIMUM OF 85 TO 90 % OF AREAS VEGETATED WITH VIGOROUS GROWTH.

#### STABILIZATION SCHEDULE BEFORE WINTER:

SEPTEMBER 15 ALL DISTURBED AREAS MUST BE SEEDED AND MULCHED. ALL SLOPES MUST BE STABILIZED, SEEDED AND MULCHED. ALL GRASS-LINED DITCHES AND CHANNELS MUST BE STABILIZED WITH MULCH OR AN EROSION CONTROL

OCTOBER 1 IF THE SLOPE IS STABILIZED WITH AN EROSION CONTROL BLANKET AND SEEDED. ALL DISTURBED AREAS TO BE PROTECTED WITH AN ANNUAL GRASS MUST BE SEEDED AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET AND MULCHED.

NOVEMBER 15 ALL STONE-LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED. SLOPES THAT ARE COVERED WITH RIPRAP MUST BE CONSTRUCTED BY THAT DATE.

DECEMBER 1 ALL DISTURBED AREAS WHERE THE GROWTH OF VEGETATION FAILS TO BE AT LEAST THREE INCHES TALL OR AT LEAST 75% OF THE DISTURBED SOIL IS COVERED BY VEGETATION, MUST BE PROTECTED FOR OVER-WINTER.

THE DATES GIVEN ARE FOR PROJECTS IN SOUTH-CENTRAL MAINE. ADJUST THE DATES GIVEN BASED ON THE PROJECT'S LOCATION WITHIN THE STATE - REDUCING TIMES UP TO THREE WEEKS FOR PROJECT'S IN NORTHERN MAINE AND EXTENDING TIMES UP TO TWO WEEKS FOR PROJECT'S ON THE COAST IN EXTREME SOUTHERN MAINE.

- 7. STORMWATER CHANNELS. DITCHES, SWALES, AND OTHER OPEN STORMWATER CHANNELS MUST BE CONSTRUCTED AND STABILIZED USING MEASURES THAT ACHIEVE LONG-TERM EROSION CONTROL. EACH CHANNEL SHOULD BE CONSTRUCTED IN SECTIONS SO THAT THE SECTION'S GRADING, SHAPING, AND INSTALLATION OF THE PERMANENT LINING CAN BE COMPLETED THE SAME DAY. IF A CHANNEL'S FINAL GRADING OR LINING INSTALLATION MUST BE DELAYED, THEN DIVERSION BERMS MUST BE USED TO DIVERT STORMWATER AWAY FROM THE CHANNEL, PROPERLY-SPACED CHECK DAMS MUST BE INSTALLED IN THE CHANNEL TO SLOW THE WATER VELOCITY, AND A TEMPORARY LINING INSTALLED ALONG THE CHANNEL TO PREVENT SCOURING.
- 8. ROADS. GRAVEL AND PAVED ROADS MUST BE CONSTRUCTED WITH CROWNS OR OTHER MEASURES, SUCH AS WATER BARS, TO ENSURE THAT STORMWATER IS DELIVERED IMMEDIATELY TO ADJACENT STABLE DITCHES, VEGETATED BUFFER AREAS, CATCH BASIN INLETS, OR STREET GUTTERS.
- 9. CULVERTS. CULVERT INLETS MUST BE PROTECTED WITH APPROPRIATE MATERIALS AND PROTECTION MUST EXTEND AT LEAST AS HIGH AS THE EXPECTED MAXIMUM ELEVATION OF STORAGE BEHIND THE CULVERT. CULVERT OUTLETS MUST INCORPORATE MEASURES, SUCH AS APRONS OR PLUNGE POOLS, TO PREVENT SCOUR OF THE STREAM CHANNEL.
- 10. PARKING AREAS. PARKING AREAS MUST BE CONSTRUCTED TO ENSURE RUNOFF IS DELIVERED TO ADJACENT SWALES, CATCH BASINS, CURB GUTTERS, OR BUFFER AREAS WITHOUT ERODING AREAS DOWNSLOPE. THE PARKING AREA'S SUBBASE COMPACTION AND GRADING MUST BE DONE TO ENSURE RUNOFF IS EVENLY DISTRIBUTED TO ADJACENT BUFFERS OR SIDE SLOPES. CATCH BASINS MUST BE LOCATED AND SET TO PROVIDE ENOUGH STORAGE DEPTH AT THE INLET TO ALLOW INFLOW OF PEAK RUNOFF RATES WITHOUT BY-PASS OF RUNOFF TO OTHER

#### INSPECTION AND MAINTENANCE PLAN

1. DURING CONSTRUCTION. THE FOLLOWING STANDARDS MUST BE MET DURING CONSTRUCTION:

- (A) INSPECTION AND CORRECTIVE ACTION. INSPECT DISTURBED AND IMPERVIOUS AREAS, EROSION CONTROL MEASURES, MATERIALS STORAGE AREAS THAT ARE EXPOSED TO PRECIPITATION, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. INSPECT THESE AREAS AT LEAST ONCE A WEEK AS WELL AS BEFORE AND AFTER A STORM EVENT, AND PRIOR TO COMPLETING PERMANENT STABILIZATION MEASURES. A PERSON WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL, INCLUDING THE STANDARDS AND CONDITIONS IN THE PERMIT, SHALL CONDUCT THE INSPECTIONS.
- (B) MAINTENANCE. MAINTAIN ALL MEASURES IN EFFECTIVE OPERATING CONDITION UNTIL AREAS ARE PERMANENTLY STABILIZED. IF BEST MANAGEMENT PRACTICES (BMPS) NEED TO BE MAINTAINED OR MODIFIED, ADDITIONAL BMPS ARE NECESSARY, OR OTHER CORRECTIVE ACTION IS NEEDED, IMPLEMENTATION MUST BE COMPLETED WITHIN 7 CALENDAR DAYS AND PRIOR TO ANY STORM EVENT (RAINFALL).
- (C) DOCUMENTATION. KEEP A LOG (REPORT) SUMMARIZING THE INSPECTIONS AND ANY CORRECTIVE ACTION TAKEN. THE LOG MUST INCLUDE THE NAME(S) AND QUALIFICATIONS OF THE PERSON MAKING THE INSPECTIONS, THE DATE(S) OF THE INSPECTIONS, AND MAJOR OBSERVATIONS ABOUT THE OPERATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS. MATERIALS STORAGE AREAS, AND VEHICLES ACCESS POINTS TO THE PARCEL. MAJOR OBSERVATIONS MUST INCLUDE BMPS THAT NEED MAINTENANCE, BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION, AND LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED. FOR EACH BMP REQUIRING MAINTENANCE, BMP NEEDING REPLACEMENT, AND LOCATION NEEDING ADDITIONAL BMPS, NOTE IN THE LOG THE CORRECTIVE ACTION TAKEN AND WHEN IT WAS TAKEN. THE LOG MUST BE MADE ACCESSIBLE TO DEPARTMENT STAFF AND A COPY MUST BE PROVIDED UPON REQUEST. THE PERMITTEE SHALL RETAIN A COPY OF THE LOG FOR A PERIOD OF AT LEAST THREE YEARS FROM THE COMPLETION OF PERMANENT STABILIZATION.

#### HOUSEKEEPING PLAN 1. SPILL PREVENTION. CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM BEING DISCHARGED FROM MATERIALS ON SITE, INCLUDING STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER, AND

APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING AND

- IMPLEMENTATION. 2. GROUNDWATER PROTECTION. DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BY DESIGN OR AS A RESULT OF SOILS, TOPOGRAPHY AND OTHER RELEVANT FACTORS ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF
- THESE MATERIALS. 3. FUGITIVE SEDIMENT AND DUST. ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MAY NOT BE USED FOR DUST
- CONTROL. NOTE: AN EXAMPLE OF THE USE OF BMPS TO CONTROL FUGITIVE SEDIMENT AND DUST IS AS FOLLOWS. OPERATIONS DURING WET MONTHS THAT EXPERIENCE TRACKING OF MUD OFF THE SITE ONTO PUBLIC ROADS SHOULD PROVIDE FOR SWEEPING OF ROAD AREAS AT LEAST ONCE A WEEK AND PRIOR TO SIGNIFICANT STORM EVENTS. WHERE CHRONIC MUD TRACKING OCCURS, A STABILIZED CONSTRUCTION ENTRANCE SHOULD BE PROVIDED. OPERATIONS DURING DRY MONTHS, THAT EXPERIENCE FUGITIVE DUST PROBLEMS, SHOULD WET DOWN THE ACCESS ROADS ONCE A WEEK OR MORE FREQUENTLY AS NEEDED. NOTE: DEWATERING A STREAM WITHOUT A PERMIT FROM THE DEPARTMENT VIOLATES STATE WATER QUALITY STANDARDS AND THE NATURAL RESOURCES PROTECTION ACT.
- 4. DEBRIS AND OTHER MATERIALS. LITTER, CONSTRUCTION DEBRIS, AND CHEMICALS EXPOSED TO STORMWATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.
- **NOTE:** TO PREVENT THESE MATERIALS FROM BECOMING A SOURCE OF POLLUTANTS, CONSTRUCTION AND POST-CONSTRUCTION ACTIVITIES RELATED TO A PROJECT MAY BE REQUIRED TO COMPLY WITH APPLICABLE PROVISION OF RULES RELATED TO SOLID, UNIVERSAL, AND HAZARDOUS WASTE, INCLUDING, BUT NOT LIMITED TO, THE MAINE SOLID WASTE AND HAZARDOUS WASTE MANAGEMENT RULES; MAINE HAZARDOUS WASTE MANAGEMENT RULES; MAINE OIL CONVEYANCE AND STORAGE RULES; AND MAINE PESTICIDE REQUIREMENTS.
- 5. TRENCH OR FOUNDATION DE-WATERING. TRENCH DE-WATERING IS THE REMOVAL OF WATER FROM TRENCHES, FOUNDATIONS, COFFERDAMS, PONDS. AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION, IN MOST CASES THE COLLECTED WATER IS HEAVILY SILTED AND HINDERS CORRECT AND SAFE CONSTRUCTION PRACTICES. THE COLLECTED WATER MUST BE REMOVED FROM THE PONDED AREA, EITHER THROUGH GRAVITY OR PUMPING, AND MUST BE SPREAD THROUGH NATURAL WOODED BUFFERS OR REMOVED TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE, LIKE A COFFERDAM SEDIMENTATION BASIN. AVOID ALLOWING THE WATER TO FLOW OVER DISTURBED AREAS OF THE SITE. EQUIVALENT MEASURES MAY BE TAKEN IF APPROVED BY THE DEPARTMENT.

SITE DEFINITION 1. POSITIVE DRAINAGE SHALL MEAN PROVIDING A MINIMUM DOWN GRADIENT SLOPE OF ONE PERCENT TO A REFERENCED STRUCTURE OR VEGETATIVE SWALE UNLESS OTHERWISE NOTED.

| E ABBREVIATIONS   |  |
|---|--|
| Ø<br>ACP<br>ADD. ALT.<br>AE<br>ARCH.                              | DIAMETER ASBESTOS CEMENT PIPE ADDITIVE ALTERNATE BID ITEM AERIAL ELECTRIC ARCHITECTURAL  |
| B.C.<br>BIT.<br>BLDG.<br>BOT.<br>BW                               | BOTTOM OF CURB BITUMINOUS BUILDING BOTTOM BOTTOM OF WALL   |
| Ф<br>CB<br>C.I.<br>C.I.P.<br>CMP                                  | CENTERLINE CATCH BASIN CAST IRON, CONTRACTOR INST'I CAST IN PLACE CORRUGATED METAL PIPE, CENTRAL MAINE POWER   |
| C<br>C.O.<br>CONC.<br>CPP<br>CTV<br>CFS                           | CENTER CLEANOUT CONCRETE CORRUGATED PLASTIC PIPE CABLE TELEVISION CUBIC FEET PER SECOND  |
| D.I. DTL. DIA. Ø DIM. DMH DN DWG                                  | DITCH INVERT, DUCTILE IRON DETAIL DIAMETER DIMENSION DRAIN MANHOLE,DROP MANHOL DOWN DRAWING  |
| E<br>E.P.<br>E.L. ELEV.<br>EQ.<br>EXIST.<br>EXP.                  | EAST EDGE OF PAVEMENT ELEVATION EQUAL EXISTING EXPANSION   |
| FD<br>F.G.<br>F.H.<br>FIN.<br>F.F.<br>FPM<br>FT.<br>FTG.          | FOOTING DRAIN FINISH GRADE FIRE HYDRANT FINISH FINISH FLOOR FEET PER MINUTE FEET FOOTING   |
| GA. GALV. GPM GRAN G.V. G   | GAUGE<br>GALVANIZED<br>GALLONS PER MINUTE<br>GRANULAR<br>GATE VALVE<br>GAS   |
| H.C.<br>HDPE<br>HORIZ., HOR.<br>HPS<br>HMA                        | HANDICAP<br>HIGH DENSITY POLYETHYLENE<br>HORIZONTAL<br>HIGH PRESSURE SODIUM<br>HOT MIX ASPHALT   |
| I.D.<br>I.E.<br>INV.<br>INSUL.                                    | IDENTIFICATION, INSIDE DIAMETI<br>INVERT ELEVATION<br>INVERT<br>INSULATION   |
| LBS.<br>LED<br>LF<br>LPS<br>L                                     | POUNDS LIGHT EMITTING DIODE LINEAR FEET LOW PRESSURE SODIUM LENGTH   |
| MAS MATL. MAX. MH MIN MISC.                                       | MASONRY MATERIAL MAXIMUM MANHOLE MINIMUM MISCELLANEOUS   |
| N N.I.C. NFD NFM NGAS NOM. NO. NRD NSS NSD NTS NUE NUD NUP NUS NW | NORTH, NEW UTILITY NOT IN CONTRACT NEW FOUNDATION DRAIN NEW FORCE MAIN NATURAL GAS NOMINAL NUMBER NEW ROOF DRAIN NEW SANITARY SEWER NEW STORM DRAIN NOT TO SCALE NEW UNDERGROUND ELECTRIC NEW UNDERGROUND PRIMARY NEW UNDERGROUND SECONDAIN NEW UNDERGROUND SECONDAIN NEW UNDERGROUND SECONDAIN NEW UNDERGROUND SECONDAIN NEW WATER LINE |
| OC<br>OS/OI<br>OE<br>OHW  | ON CENTER<br>OWNER SUPPLIED/OWNER INST'<br>OVERHEAD ELECTRIC<br>OVERHEAD WIRE  |
| PVMT. PERF. PB PI P & I PRELIM PSF PSI P.A. PT PVC                | PAVEMENT PERFORATED PULL BOX POINT OF INTERSECTION PROVIDE AND INSTALL PRELIMINARY POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POINT OF TANGENT POINT POLYVINYL CHLORIDE   |
| R<br>RCP<br>REQ'D   | RADIUS<br>REINFORCED CONCRETE PIPE<br>REQUIRED   |
| S SS SCH SD SIM. SMH SPECS SQ. S.F. STA. STYRO.                   | SEWER SANITARY SEWER SCHEDULE STORM DRAIN SIMILAR SEWER MANHOLE SPECIFICATIONS SQUARE SQUARE SQUARE FEET STATION STYROFOAM   |

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DESCRIPTION

BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-373-1583 40 MANSON LIBBY ROAD **GSA FITOUT** 

TOP OF SLAB UNDERGROUND ELECTRIC UNDERGROUND SECONDARY UNDERGROUND PRIMARY

TEMPORARY BENCH MARK

TELEPHONE

TOP OF WALL

TOP OF CURB

**TEMPORARY** 

**TELEVISION** 

THICK

TYPICAL

TEL

T.O.W.

TEMP.

VERT., VER.

W/O

WSO

W.W.F.

WV

THK.

VERTICAL

WATER WITH WITHOUT WATER SHUTOFF (CURB STOP OR GATE VALVE) WELDED WIRE FABRIC WATER SHUT OFF / GATE VALVE PROJECT: 40 MANSON LIBBY ROAD, SCARBOROUGH ME SITE GENERAL NOTES & **ABBREVIATIONS** 

42900-C001.DWG WBRC CAD FILE: 4290.00 GRAPHIC SCALE: PROJECT No. NO SCALE PROJECT MANAGER: C - 001 RAWN BY:

REMOVALS NOTES: 1. SEE NOTES R1 THROUGH R4 ON SHEET C-001 FOR ADDITIONAL REMOVALS INFORMATION. 2. CLEARING LIMITS SHALL EXTEND ONLY TO SUCH A POINT NECESSARY TO COMPLETE EARTHWORK ACTIVITIES. 3. THE UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE AND IS BASED ON A SURVEY COMPLETED BY SPURWINK SURVEYING DATED 11/08/19. THE SITE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY SITE CLEARING, GRUBBING AND EARTHWORK ACTIVITIES. 4. ALL SOIL AND EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY WORK. SEE CG101 FOR MORE INFORMATION. THE SITE CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND MAINTAINING ALL SOIL AND EROSION CONTROL MEASURES. 5. SOME TREE TRIMMING NOT SHOWN ON THIS PLAN MAY BE NECESSARY FOR CONSTRUCTION PURPOSES. THE SITE CONTRACTOR SHOULD EVALUATE AND SCHEDULE ACCORDINGLY. LEGEND TREE REMOVALS LIMITS OF WETLAND UTILITY POLE STREET LIGHTING **BUILDING LIGHTING** WATER SHUTOFF / GATE VALVE SEWER MANHOLE CATCH BASIN FIRE HYDRANT FENCING - $\circ$ - $\circ$ - $\circ$ **----**PAVEMENT REMOVALS LIMITS OF CONSTRUCTION ——LW—— PROPERTY LINE ---- ABUTTING PROPERTY LINE TREE LINE ADDENDUM #3 100% CON DOCS REV. DESCRIPTION WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-373-1583 40 MANSON LIBBY ROAD **GSA FITOUT** PROJECT: 40 MANSON LIBBY ROAD, SCARBOROUGH ME SITE REMOVALS PLAN 429000-SP101.DWG PROJECT No. 4290.00 GRAPHIC SCALE: PROJECT MANAGER: CD101 DRAWN BY: CHECKED BY:

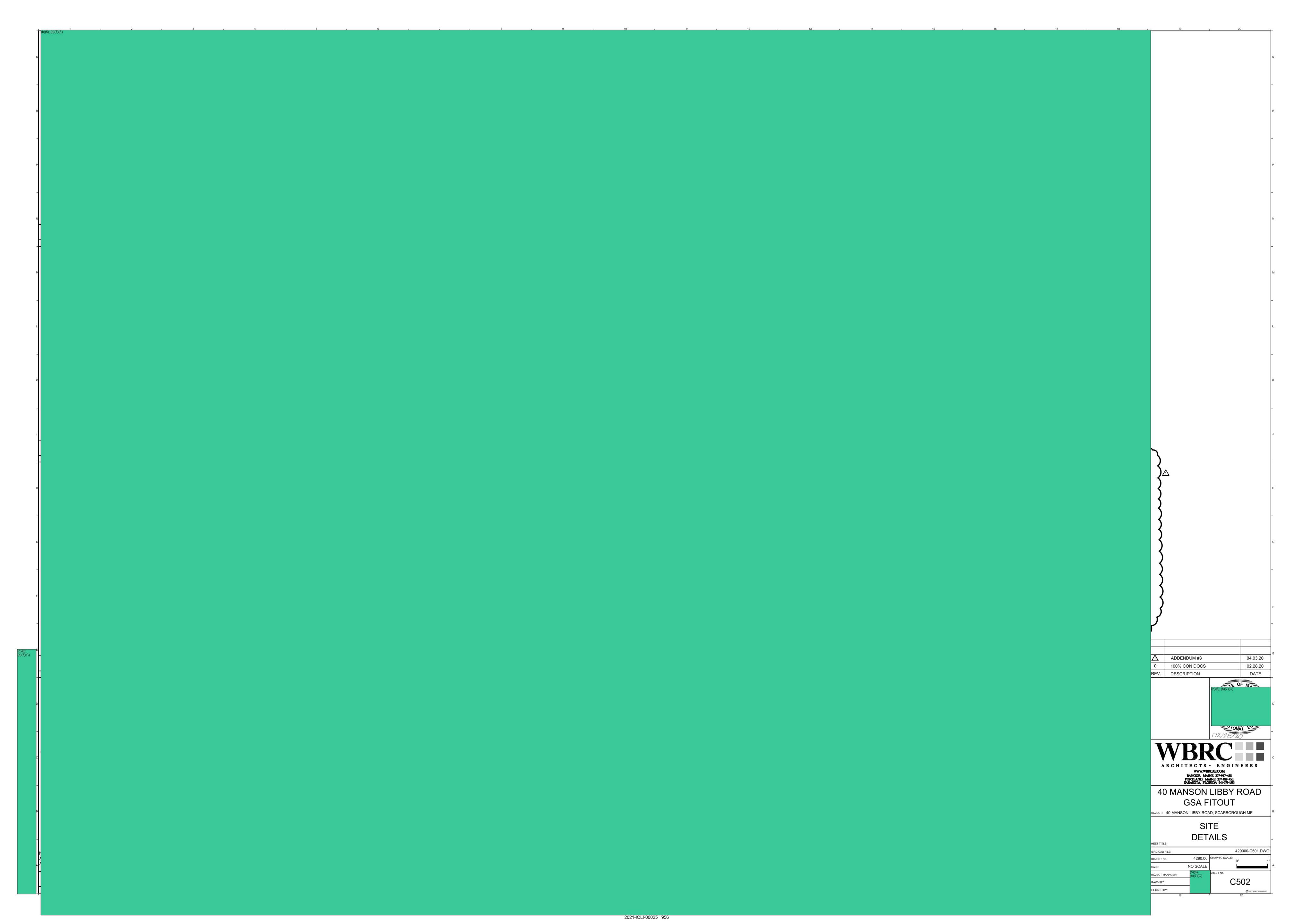
LAYOUT NOTES:

1. SEE NOTES L1 THROUGH L3 ON SHEET C-001 FOR ADDITIONAL LAYOUT INFORMATION. 2. ALL CURB RADII SHALL BE 5' UNLESS OTHERWISE NOTED. LEGEND UTILITY POLE STREET LIGHTING BUILDING LIGHTING WATER SHUTOFF / GATE VALVE SEWER MANHOLE FIRE HYDRANT PAVEMENT F=== SIDEWALK CENTERLINE \_\_\_\_ CONTROL PT. ABUTTING PROPERTY LINE  $\backslash \land \land \land \land$ ADDENDUM #3 100% CON DOCS REV. DESCRIPTION WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-373-1583 40 MANSON LIBBY ROAD **GSA FITOUT** PROJECT: 40 MANSON LIBBY ROAD, SCARBOROUGH ME SITE LAYOUT PLAN 429000-SP101.DWG PROJECT No. 4290.00 GRAPHIC SCALE: 1"=20' PROJECT MANAGER: DRAWN BY:









### STRUCTURAL GENERAL NOTES

1. ALL DOCUMENTS ARE INSTRUMENTS OF SERVICE AND ARE COPYRIGHT PROPERTY OF WBRC ARCHITECTS ENGINEERS, THEY MAY NOT BE REPRODUCED, ALTERED OR REUSED WITHOUT THE EXPRESS WRITTEN CONSENT OF WBRC ARCHITECTS

2. DRAWINGS REPRESENT THE DESIGN INTENT OF THE PROJECT. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE MEANS AND METHODS OF CONSTRUCTION TO TRANSFORM THE DESIGN INTENT INTO THE PHYSICAL STRUCTURE.

3. STRUCTURAL DRAWINGS ARE NOT INDEPENDENT DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. REFER TO AND COORDINATE WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, CIVIL AND APPROVED SHOP DRAWINGS FOR LOCATION AND DIMENSIONS OF CHASES, INSERTS, OPENINGS, SLEEVES, DEPRESSIONS, ETC. AND ATTACHMENT OF FINISHES.

4. REFER TO THE PROJECT MANUAL FOR GENERAL CONTRACT REQUIREMENTS AND DETAILED REQUIREMENTS FOR MATERIALS, WORKMANSHIP AND SHOP DRAWING SUBMITTALS. THESE NOTES SUPPLEMENT THE SPECIFICATIONS, WHICH SHALL BE REFERRED TO FOR ADDITIONAL REQUIREMENTS.

5. DO NOT SCALE DRAWINGS. ALL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE FIELD COORDINATED BY THE CONTRACTOR WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND APPROVED SHOP DRAWINGS. REPORT ANY INCONSISTENCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

6. GENERAL CONTRACTOR SHALL COORDINATE PREPARATION AND PROCESSING OF SUBMITTALS WITH PERFORMANCE OF CONSTRUCTION ACTIVITIES. ALL DIMENSIONS SHOWN THROUGHOUT THE STRUCTURAL SHEETS ARE COORDINATED FOR THE BASIS-OF-DESIGN PRODUCTS, INCLUDING BUT NOT LIMITED TO THE HYDRAULIC ELEVATOR SHAFTS AND GLAZED ALUMINUM CURTAIN WALLS. IF DIFFERENT PRODUCTS ARE SUBMITTED BY THE GENERAL CONTRACTOR AND APPROVED, ADJUSTMENTS SHALL BE MADE BY OTHER TRADES AT NO ADDITIONAL COST TO THE OWNER.

7. IF AN INCONSISTENCY EXISTS BETWEEN SPECIFICATIONS, PLANS, DETAILS AND GENERAL NOTES, THE MOST STRINGENT REQUIREMENT GOVERNS. DETAILS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.

8. THE STRUCTURAL DESIGN OF THE BUILDING IS BASED ON THE FULL INTERACTION OF ALL ITS COMPONENT PARTS. NO PROVISIONS HAVE BEEN MADE FOR CONDITIONS OCCURRING DURING CONSTRUCTION. ANY FAILURE TO MAKE PROPER AND ADEQUATE PROVISIONS FOR STRESSES AND STABILITY OCCURRING FROM ANY CAUSE DURING CONSTRUCTION SHALL BE THE SOLE RISK AND RESPONSIBILITY OF THE CONTRACTOR.

9. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD. NOTIFY THE OWNER IMMEDIATELY, IN WRITING, OF ANY FIELD CONDITION UNCOVERED DURING CONSTRUCTION THAT IS NOT CONSISTENT WITH THE PLANS, THAT MAY BE STRUCTURALLY INADEQUATE, OR THAT WILL IMPAIR ARCHITECTURAL LAYOUTS OR ATTACHMENT OF FINISHES.

10. THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWING SUBMITTALS PRIOR TO SUBMITTAL TO THE ARCHITECT. ALL COPIES OF ALL SHOP DRAWINGS SHALL BEAR A STAMP FROM THE CONTRACTOR VERIFYING THEY HAVE REVIEWED AND APPROVED THE DRAWINGS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, SHOP DRAWINGS NOT BEARING THE CONTRACTOR'S APPROVAL STAMP WILL NOT BE REVIEWED AND SHALL BE RETURNED "REJECTED."

11.DETAILS SHOWN ON ANY DRAWING ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS, UNLESS NOTED OTHERWISE (U.N.O.).

12.CAD FILES WILL NOT BE MADE AVAILABLE TO THE BIDDER FOR ANY PURPOSE.

#### <u>DESIGN LOADS</u>

THE ALTERED ELEMENT FO THE STRUCTURE ARE DESIGNED TO CARRY THE FOLLOWING LIVE LOADS, IN CONFORMANCE WITH CHAPTER 16 OF THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE, THE 2010 EDITION OF ASCE-7, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.

- FLOOR LIVE LOADS (REDUCTIONS TAKEN IN ACCORDANCE WITH IBC SECTION 1607.9):
  - OFFICE BUILDINGS: 50 + 15 PSF ALLOWANCE FOR PARTITION WALLS; 2,000 LB CONCENTRATED LOAD CORRIDORS, EXCEPT AS OTHERWISE INDICATED: 100 PSF; 2,000 LB CONCENTRATED LOAD LOBBIES: 100 PSF; 2,000 LB CONCENTRATED LOAD
- ROOF SNOW LOAD:
- GROUND SNOW LOAD, Pg: 50 PSF FLAT ROOF SNOW LOAD, Pf. 35 PSF, EXCEPT 42 PLUS DRIFT AT EXTERIOR ENTRY CANOPIES
- SNOW EXPOSURE FACTOR, Ce: 1.0, BUILDING RISK CATEGORY: II
- SNOW LOAD IMPORTANCE FACTOR, Is: 1.0 THERMAL FACTOR, Ct: 1.0, EXCEPT 1.2 AT EXTERIOR ENTRY CANOPIES
- <u>LATERAL LOADS:</u>
- WIND DESIGN DATA:
- BASIC WIND SPEED (3-SECOND GUST): 119 MPH BUILDING RISK CATEGORY: II
- WIND EXPOSURE CATEGORY: B INTERNAL PRESSURE COEFFICIENT: +/-0.18
- COMPONENTS AND CLADDING: VARIES BASED ON TRIBUTARY AREA AND LOCATION: COMPLY WITH ASCE 7-10 FOR WIND PRESSURES TO BE USED FOR THE DESIGN OF EXTERIOR COMPONENT AND CLADDING MATERIALS NOT SPECIFICALLY DESIGNED BY THE REGISTERED DESIGN PROFESSIONAL
- EARTHQUAKE DESIGN DATA: SEISMIC IMPORTANCE FACTOR, le: 1.0
- SEISMIC RISK CATEGORY: II MAPPED SPECTRAL RESPONSE ACCELERATIONS, Ss AND S1: 0.246g AND 0.079g RESPECTIVELY
- (USING 2008 USGS HAZARD DATA) SITE CLASS: D ASSUMED
- SPECTRAL RESPONSE COEFFICIENTS, Sds AND Sd1: 0.262g AND 0.126g RESPECTIVELY SEISMIC DESIGN CATEGORY: B
- BASIC SEISMIC FORCE RESISTING SYSTEM: INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
- SEISMIC RESPONSE COEFFICIENT, Cs: 0.0753 RESPONSE MODIFICATION FACTOR, R: 3.5
- ANALYSIS PROCEDURE UTILIZED: EQUIVALENT LATERAL FORCE

## **DEMOLITION AND SHORING**

BEFORE PROCEEDING WITH ANY DEMOLITION, THE AREA MUST BE SURVEYED AND EVALUATED BY THE CONTRACTOR TO ENSURE THAT NO DAMAGE WILL BE MADE TO ANY STRUCTURE PROPERTY OR EQUIPMENT BEYOND THE DEMOLITION.

- PROVIDE TEMPORARY SHORING AND BRACING FOR WALLS, FLOORS AND ROOFS DURING DEMOLITION AND MAINTAIN THIS TEMPORARY CONSTRUCTION IN PLACE UNTIL THE NEW STRUCTURAL WORK IS COMPLETED AND TIED TO THE REMAINING EXISTING CONSTRUCTION. REMOVE DEMOLISHED ITEMS PROMPTLY FROM THE BUILDING. DO NOT OVERLOAD THE EXISTING FLOORS WITH CONSTRUCTION DEBRIS REFER TO THE STRUCTURAL DRAWINGS FOR ANTICIPATED LOCATIONS AND EXTENTS OF TEMPORARY SHORING
- REQUIRED. EXACT EXTENT AND SHORING MEANS AND METHODS TO BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL RETAIN A EXPERIENCED SHORING FIRM OR PROFESSIONAL ENGINEER TO DEVELOP A SEQUENCE OF OPERATIONS, AND OVERSEE THAT THE EXISTING BUILDING IS SAFE AT ALL TIMES AND THAT PROPOSED NEW CONSTRUCTION IS PROPERLY SUPPORTED. REMOVE AND RELOCATE AS REQUIRED UTILITIES CROSSING EXCAVATIONS AND NEW FOUNDATION WORK.
- CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SUPPORT FOR ALL UTILITY LINES ADJACENT TO NEW FOUNDATION WORK
- REMOVE ALL EXISTING FOUNDATIONS INTERFERING WITH NEW WORK. CONTRACTOR SHALL PROVIDE ALL INFORMATION PERTAINING TO EXISTING FOUNDATIONS SO THAT THE ARCHITECT CAN ASSESS ANY NECESSARY CHANGE TO NEW FOUNDATIONS.

## FOUNDATIONS, BACKFILL AND DRAINAGE

STRUCTURAL GENERAL NOTES

12" = 1'-0"

1. ALL NEW FOOTINGS SHALL BE PLACED OVER A LAYER OF NEW STRUCTURAL BACKFILL HAVING A MINIMUM BEARING CAPACITY OF 3,000 POUNDS PER SQUARE FOOT.

2. ASSUMED BEARING MATERIAL, DESIGN BEARING PRESSURE AND FOOTING ELEVATIONS INDICATED ON THE DRAWINGS ARE ASSUMED. IF ACCEPTABLE BEARING MATERIAL IS NOT ENCOUNTERED UPON EXCAVATION TO THE LEVELS INDICATED, AS DETERMINED BY THE EARTHWORK INSPECTOR, NOTIFY THE OWNER FOR REVIEW AND DIRECTION. 3. ALL SUBGRADES AT FOOTING EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY THE DESIGNATED EARTHWORK

INSPECTOR BEFORE CONCEALING WITH STRUCTURAL FILL AND BEFORE THE FOOTINGS ARE FORMED AND CAST. 4. ALL EXTERIOR CONSTRUCTION SHALL BE CARRIED DOWN A MINIMUM OF FOUR FEET TEN INCHES BELOW FINISHED EXTERIOR GRADE, UNLESS OTHERWISE SHOWN ON PLANS. MATCH NEW FOOTING ELEVATION TO EXISTING.

5. ALL WALLS AND PIERS SHALL BE CENTERED OVER FOOTINGS, UNLESS DETAILED OTHERWISE.

6. NO CONCRETE SLAB OR FOOTING SHALL BE PLACED IN WATER, ON MUD OR FROZEN MATERIAL.

7. MATERIAL ADJACENT TO AND BELOW FOOTING SHALL BE KEPT FROM FREEZING AT ALL TIMES. IF ANY MATERIAL IS FOUND TO BE FROZEN, IT SHALL BE REMOVED AND REPLACED WITH CONCRETE. IF ANY FROZEN MATERIAL IS FOUND BELOW THE SLAB ON GRADE IT SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL COMPACTED TO 95% MAXIMUM DRY DENSITY.

8. BACKFILL UNDER SLABS ON GRADE AND AGAINST FOUNDATION WALLS INSIDE AND OUTSIDE THE BUILDING WITH STRUCTURAL FILL. COMPACT EACH LIFT TO 95% MAXIMUM DRY DENSITY PER ASTM D-1557. ENTIRE FILLING AND COMPACTING OPERATION TO BE MONITORED AND TESTED BY THE EARTHWORK INSPECTOR.

9. PROVIDE CONTINUOUS VAPOR RETARDER UNDER ALL SLABS ON GRADE. SEE TYPICAL DETAIL FOR MORE INFORMATION.

### REINFORCING STEEL

1. ALL REINFORCING BAR DETAILING SHALL CONFORM TO THE ACI 315, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES." DO NOT BEND BARS IN THE FIELD; COMPLETE ALL BAR BENDING IN THE FABRICATORS SHOP.

2. SUBMIT COMPLETE SHOP DRAWINGS TO THE OWNER FOR APPROVAL PRIOR TO FABRICATION. 3. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60. WHERE WELDING OF DEFORMED BARS TO STRUCTURAL STEEL IS SHOWN, PROVIDE ASTM A706 GRADE 60 AND COMPLETE WELDING IN ACCORDANCE WITH AWS

4. WHERE CONTINUOUS BARS ARE CALLED FOR, INDICATED, OR REQUIRED THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS, DOWELED INTO INTERSECTING WALLS, LAPPED AT NECESSARY SPLICES, WITH SPLICES STAGGERED WHEREVER POSSIBLE, AND HOOKED AT DISCONTINUOUS ENDS. LAPS SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 AND BE NO LESS THAN 40 BAR DIAMETERS.

5. PROVIDE AND SCHEDULE WITH SHOP DRAWINGS, ALL NECESSARY ACCESSORIES TO HOLD THE REINFORCING SECURELY AND ACCURATELY IN POSITION. "WET-SETTING" OR "WET-STICKING" REINFORCING INTO GREEN CONCRETE IS NOT ACCEPTABLE. SPACE HIGH CHAIRS AT 4'-0" o/c MAXIMUM AND WIRE TO BOTTOM SLAB REINFORCING. SUPPORT BARS ON HIGH CHAIRS SHALL BE #5 MINIMUM. SPACE SLAB BOLSTERS AT 3'-6" o/c MAXIMUM.

UNFORMED FACE IN CONTACT WITH EARTH: 3"

6. CLEARANCE OF REINFORCING BARS FROM CONCRETE SURFACES SHALL BE:

- UNFORMED SLABS IN CONTACT WITH EARTH: 1-1/2" FORMED FACE IN CONTACT WITH EARTH: 2" FORMED FACE EXPOSED TO WEATHER: 2" FOR #6 AND LARGER BARS
- FORMED FACE EXPOSED TO WEATHER: 1-1/2" FOR #5 AND SMALLER BARS
- INTERIOR EXPOSED FACES OF WALLS: 1" SLABS NOT EXPOSED TO EARTH OR WEATHER: 3/4" TOPS OF STIRRUPS IN BEAMS: 1"
- TOPS OF VERTICAL BARS IN WALLS AND PIERS: 1"
- HORIZONTAL BARS FROM TOP OF WALL: 2" MAX. TIES FROM TOP OF PIER OR COLUMN: 2" MAX.

THE MAXIMUM ALLOWABLE DEVIATION FROM THE FIGURES ABOVE SHALL BE 1/4" FOR CONCRETE SHAPES 10" OR LESS IN DEPTH OR WIDTH AND 1/2" FOR CONCRETE SHAPES MORE THAN 10" IN DEPTH OR WIDTH.

7. PROVIDE DOWELS FROM FOOTINGS TO MATCH VERTICAL WALL AND PIER REINFORCING. PROVIDE MINIMUM LAP LENGTH OF 40 BAR DIAMETERS.

### CAST-IN-PLACE CONCRETE

OR OTHER DEFACEMENTS ON EXPOSED SURFACES.

1. CONCRETE WORK SHALL COMPLY WITH THE LATEST EDITION OF ACI 301, "STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE IN BUILDINGS," AND ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED

2. ALL STRUCTURAL CONCRETE IS CONTROLLED AND SHALL BE USED, PROPORTIONED, MIXED AND PLACED UNDER THE SUPERVISION OF THE STRUCTURAL INSPECTOR AS A PART OF THE STRUCTURAL INSPECTIONS REQUIRED FOR

3. ALL WORK SHALL BE PERFORMED TO SECURE FOR THE ENTIRE JOB HOMOGENOUS CONCRETE HAVING REQUIRED STRENGTH, DURABILITY AND WEATHERING RESISTANCE WITHOUT PLANES OF WEAKNESS OR OTHER STRUCTURAL DEFECTS, AND FREE OF PRONOUNCED HONEYCOMBS, AIR POCKETS, VOIDS AND PROJECTIONS, OFFSETS OF PLANE

4. CONCRETE FOR FOUNDATION WALLS, PIERS, AND SLABS SHALL ATTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI, UNLESS NOTED OTHERWISE.

5. NOTIFY THE STRUCTURAL INSPECTOR AT LEAST 48 HOURS IN ADVANCE OF PLACING CONCRETE FOR INSPECTION OF THE REINFORCING STEEL. DO NOT CAST CONCRETE UNTIL THE INSPECTION HAS BEEN MADE OR WAIVED.

6. PROVIDE SIX PERCENT (PLUS/MINUS) AIR ENTRAINMENT IN ALL CONCRETE EXPOSED TO EARTH OR WEATHER, INCLUDING BUT NOT LIMITED TO FOOTINGS, FOUNDATIONS AND EXTERIOR SLABS.

7. ALL INTERIOR SLABS ON GROUND SHALL BE PLACED ON A LAYER OF COMPACTED GRANULAR MATERIAL. 8. ALL STRUCTURAL CONCRETE SHALL BE FORMED WITH APPROVED FORMWORK MATERIALS. EARTH FORMING IS NOT PERMITTED.

9. PROVIDE DOWELS AND KEYWAYS AT ALL CONSTRUCTION JOINTS. ALLOW 48 HOURS TO ELAPSE BETWEEN ADJACENT CONCRETE PLACEMENTS.

10. PROVIDE CONTROL JOINTS IN ALL SLABS ON GRADE SAWCUT WITHIN 4 HOURS OF FINISHING SLAB. 11. DURING COLD-WEATHER CONCRETING PERIODS, ALL CONCRETE FORMWORK SHALL REMAIN IN PLACE FOR A MINIMUM OF THREE DAYS UNLESS AUTHORIZED OTHERWISE BY THE OWNER.

12. ALL CONCRETE SURFACES THAT DO NOT RECEIVE A FINISHED FLOOR MATERIAL SHALL RECEIVE A PENETRATING LIQUID FLOOR TREATMENT IN ACCORDANCE WITH THE SPECIFICATIONS.

13. ALL HORIZONTAL EXTERIOR CONCRETE SURFACES, SUCH AS SIDEWALKS, EXPOSED TO DEICING CHEMICALS SHALL RECEIVE AN APPROVED LIQUID PENETRATING SEALER SUCH AS "SALTGUARD WB" BY CONSOLIDECK.

## CONCRETE BLOCK MASONRY (CMU)

1. EXTERIOR MASONSRY WALLS SHOWN ON STRUCTURAL DRAWINGS ARE 12" NOMINAL THICKNESS NORMAL WEIGHT 2-CELL BLOCKS UNLESS NOTED OTHERWISE. MASONRY UNITS SHALL BE LAID IN RUNNING BOND. PROVIDE FULL MORTAR COVERAGE ON ALL WEBS AND FACE SHELLS.

2. INTERIOR MASONRY WALLS ARE NONSTRUCTURAL, SEE ARCHITECTURAL DRAWINGS FOR WALL THICKNESS AND REINFORCMENT.

2. ALL CONCRETE MASONRY UNITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AND CONFORM TO THE REQUIREMENTS OF ASTM C90, UNLESS NOTED OTHERWISE. MINIMUM PRISM STRENGTH OF BLOCK SHALL BE F'M = 2000 PSI IN 28 DAYS.

3. ALL GROUT SHALL BE COARSE GROUT CONFORMING WITH ASTM C476 AND SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI.

- 4. ALL GROUTING PROCEDURES SHALL CONFORM TO ACI PROCEDURES.
- 5. MORTAR SHALL BE TYPE S HIGH STRENGTH MORTAR.

6. ALL MASONRY WALLS NOTED ON THE STRUCTURAL DRAWINGS SHALL BE REINFORCED, AND ALL REINFORCED CORES GROUTED SOLID. WHERE GROUTING IS CALLED FOR, ALL SLOTS AND CELLS SHALL BE FILLED WITH GROUT, AND SPECIAL CARE TAKEN TO KEEP CORES FREE OF MORTAR DROPPINGS.

7. SEE DRAWING S-402 FOR EXTERIOR WALL REINFORCEMENT.

8. ALL REINFORCING BARS SHALL BE SECURELY HELD IN POSITION WITH 9 GAUGE WIRE SUPPORTS PRIOR TO

9. LAP ALL REINFORCING BARS IN MASONRY A MINIMUM OF 48 BAR DIAMETERS. LAP HORIZONTAL WIRE REINFORCEMENT A MINIMUM OF 1'-0".

11. ALL REINFORCED MASONRY CONSTRUCTION SHALL BE INSPECTED BY THE STRUCTURAL INSPECTOR.

10. GROUT SHALL BE PLACED USING HIGH OR LOW LIFT GROUTING PROCEDURE PER ACI RECOMMENDATIONS.

### STATEMENT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

THIS STATEMENT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS IS SUBMITTED AS A CONDITION FOR BUILDING PERMIT ISSUANCE IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. IT INCLUDES A SCHEDULE OF SPECIAL INSPECTION SERVICES APPLICABLE TO THIS PROJECT AS WELL AS THE NAME OF THE STRUCTURAL SPECIAL INSPECTION COORDINATOR AND THE IDENTITY OF THE APPROVED AGENCIES TO BE RETAINED FOR CONDUCTING THESE TESTS AND INSPECTIONS.

40 MANSON LIBBY ROAD GSA FITOUT LOCATION: SCARBOROUGH, MAINE OWNER: BUILDING OFFICIAL: DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE:

SEISMIC DESIGN CATEGORY "B" < "F"

WIND RESISTANCE: EXPOSURE "B," BASIC WIND SPEED 119 MPH THE SPECIAL INSPECTION COORDINATOR SHALL KEEP RECORDS OF ALL TESTS AND INSPECTIONS AND SHALL FURNISH REPORTS TO THE BUILDING OFFICIAL, OWNER AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. NONCOMPLIANT WORK (DEFICIENCIES) SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DEFICIENCIES ARE

INTERIM TEST AND INSPECTION REPORTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL, OWNER AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ON A MONTHLY BASIS.

NOT CORRECTED, IT SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, OWNER AND THE REGISTERED DESIGN

PREPARED BY: WBRC ARCHITECTS ENGINEERS, (b)(6); (b)(7)(C)

OWNERS AUTHORIZATION:

CONTRACTOR'S RESPONSIBILITIES

SEISMIC RESISTANCE:

PROFESSIONAL IN RESPONSIBLE CHARGE.

(PLEASE SIGN, DATE, PRINT NAME AND TITLE)

BUILDING OFFICIALS ACCEPTANCE

(PLEASE SIGN, DATE, PRINT NAME AND TITLE)

WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

1. STRUCTURAL TESTS AND SPECIAL INSPECTIONS DO NOT RELIEVE THE CONTRACTOR OF ITS RESPONSIBILITIES AND OBLIGATIONS FOR QUALITY CONTROL OF THE WORK, THEIR OBLIGATIONS FOR SUPERVISING THE WORK, FOR ANY DESIGN WORK THAT IS INCLUDED IN THEIR SCOPE OF SERVICES AND FOR FULL COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. FURTHERMORE, THE DETECTION OF, OR THE FAILURE TO DETECT DEFICIENCIES IN THE WORK DURING TESTING AND INSPECTION CONDUCTED PURSUANT TO THIS PROGRAM SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO CORRECT ALL DEFICIENCIES OR DEFECTS, WHETHER DETECTED OR UNDETECTED, IN ALL PARTS OF THE WORK, AND TO OTHERWISE COMPLY

2. JOB SITE SAFETY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT PART OF THESE TESTS AND INSPECTIONS. MATERIALS AND ACTIVITIES TO BE TESTED AND INSPECTED DO NOT INCLUDE THE CONTRACTOR'S EQUIPMENT OR THE MEANS, METHODS AND PROCEDURES USED TO ERECT OR INSTALL THE MATERIALS OR ASSEMBLIES LISTED.

3. IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND-FORCE OR SEISMIC-FORCE RESISTING SYSTEM OR COMPONENT SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL, OWNER AND DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT.

4. WHERE A STRUCTURAL COMPONENT OR SYSTEM IS SUBJECT TO TESTS AND INSPECTIONS AS DETERMINED BY THE BUILDING OFFICIAL, AND THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FOR THE PROJECT HAS NOTBEEN RETAINED TO DESIGN OR TO PREPARE A PERFORMANCE SPECIFICATION FOR SAID COMPONENT OR SYSTEM, THE CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER TO DESIGN SAID COMPONENT OR SYSTEM AND TO PROVIDE ANY REQUIRED TESTS AND INSPECTIONS.

5. THE CONTRACTOR SHALL PROVIDE FREE AND SAFE ACCESS TO THE WORK FOR ALL INDIVIDUALS WHO ARE PERFORMING THE

TESTS OR INSPECTIONS. THE CONTRACTOR SHALL PROVIDE ALL LADDERS, SCAFFOLDING, STAGING, AND UP-TO-DATE SAFETY

INSPECTION COORDINATOR AS TO WHAT IS REASONABLE NOTICE FOR THE VARIOUS ASPECTS OF THE WORK (TYPICALLY 48

EQUIPMENT, ALL IN GOOD AND SAFE WORKING ORDER, AND QUALIFIED PERSONNEL TO HANDLE AND ERECT THEM, AS MAY BE 6. THE CONTRACTOR SHALL GIVE REASONABLE NOTICE TO THOSE PERFORMING INSPECTIONS AND TESTS OF WHEN THE VARIOUS PARTS OF THE WORK WILL BE READY FOR TESTING AND INSPECTION. THE CONTRACTOR SHALL OBTAIN INSTRUCTIONS FROM THE

### SCHEDULE OF TESTING AND INSPECTION AGENCIES

HOURS), WHO IS TO BE NOTIFIED AND HOW.

- SPECIAL INSPECTION COORDINATOR TO BE DETERMINED AND CONTRACTED BY OWNER
- BUILDING INSPECTOR TO BE DETERMINED AND CONTRACTED BY OWNER
- EARTHWORK INSPECTOR TO BE DETERMINED AND CONTRACTED BY OWNER
- CONCRETE / MASONRY TESTING LABORATORY TO BE DETERMINED AND CONTRACTED BY OWNER

NOTE: UNLESS NOTED OTHERWISE, THE INSPECTORS AND TESTING AGENCIES SHALL BE QUALIFIED, INDEPENDENT COMPANIES ENGAGED BY THE OWNER ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE OWNER, DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK.

# QUALIFICATIONS OF INSPECTORS AND TESTING TECHNICIANS

THE CREDENTIALS AND QUALIFICATIONS OF ALL INDIVIDUALS PERFORMING SPECIAL INSPECTION AND TESTING ACTIVITIES ARE SUBJECT TO THE APPROVAL OF THE OWNER, THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. CREDENTIALS SHALL BE PROVIDED FOR REVIEW, APPROVAL AND RECORD.

KEY FOR MINIMUM QUALIFICATIONS OF INSPECTION AGENTS: WHEN THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE DEEMS IT APPROPRIATE THAT THE INDIVIDUAL PERFORMING A STIPULATED TEST OR INSPECTION HAVE A SPECIFIC CERTIFICATION, LICENSE OR EXPERIENCE LEVEL AS INDICATED BELOW, SUCH DESIGNATION SHALL APPEAR WITH THE AGENCY NAME ON THE SCHEDULE.

- 1. PE/SE STRUCTURAL ENGINEER A LICENSED SE OR PE SPECIALIZING IN THE DESIGN OF BUILDING STRUCTURES
- 2. PE/GE GEOTECHNICAL ENGINEER A LICENSED PE SPECIALIZING IN SOIL MECHANICS AND FOUNDATIONS
- 3. EIT ENGINEER-IN-TRAINING A GRADUATE ENGINEER WHO HAS PASSED THE FUNDAMENTALS OF ENGINEERING EXAMINATION EXPERIENCED TESTING TECHNICIAN

### EXPERIENCED TESTING TECHNICIAN - AN EXPERIENCED TESTING TECHNICIAN WITH A MINIMUM 5 YEARS EXPERIENCE WITH THE STIPULATED TEST.

## AMERICAN CONCRETE INSTITUTE (ACI) CERTIFICATION

- CONCRETE FIELD TESTING TECHNICIAN GRADE 1
- CONCRETE CONSTRUCTION INSPECTOR
- LABORATORY TESTING TECHNICIAN GRADE 1&2 STRENGTH TESTING TECHNICIAN
- AMERICAN WELDING SOCIETY (AWS) CERTIFICATION
- AWS-CWI CERTIFIED WELDING INSPECTOR
- 2. AWS/AISC-SSI CERTIFIED STRUCTURAL STEEL INSPECTOR
- AMERICAN SOCIETY OF NON-DESTRUCTIVE TESTING (ASNT) CERTIFICATION NON-DESTRUCTIVE TESTING TECHNICIAN LEVEL II OR III.

## INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION

- ICC-SMSI STRUCTURAL MASONRY SPECIAL INSPECTOR
- STRUCTURAL STEEL AND WELDING SPECIAL INSPECTOR

ICC-SFSI SPRAY-APPLIED FIREPROOFING SPECIAL INSPECTOR

4. ICC-RCSI REINFORCED CONCRETE SPECIAL INSPECTOR

NICET-ST SOILS TECHNICIAN - LEVELS I, II, III & IV

- NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET)
- 1. NICET-CT CONCRETE TECHNICIAN LEVELS I, II, III & IV
- 3. NICET-GET GEOTECHNICAL ENGINEERING TECHNICIAN LEVELS I, II, III & IV

### REQUIRED VERIFICATION AND INSPECTION OF SOILS

CONTROLLED FILL.

ALL TESTING SHALL BE PERFORMED BY A QUALIFIED INDEPENDENT TESTING LABORATORY ACCEPTABLE TO THE ENGINEER AND OWNER, CONTRACTED BY THE OWNER.

- VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY AND ARE CONSISTENT WITH THE GEOTECHNICAL REPORT.
- EARTHWORK INSPECTOR PE/GE, EIT OR ETT CONTINUOUS
- VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED THE PROPER MATERIAL
- CONTINUOUS EARTHWORK INSPECTOR PE/GE, EIT OR ETT
- TESTING FREQUENCY PER SPECIFICATION EARTHWORK INSPECTOR PE/GE, EIT OR ETT TEST AND VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENTAND COMPACTION OF

PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

- EARTHWORK INSPECTOR PE/GE, EIT OR ETT
- INSPECT REMOVAL OF UNSUITABLE MATERIAL AND PREPARATION OF SUBGRADE PRIOR TO PLACEMENT OF CONTROLLED FILL. EARTHWORK INSPECTOR PE/GE, EIT OR ETT
- PRIOR TO PLACEMENT OF CONTROLLED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY. EARTHWORK INSPECTOR PE/GE, EIT OR ETT

APPROVE SUBGRADE PRIOR TO FORMING FOOTINGS, PREPARING SLABS-ON-GRADE AND PLACING CONCRETE.

#### CONTINUOUS EARTHWORK INSPECTOR PE/GE, EIT OR ETT

ALL TESTING SHALL BE PERFORMED BY A QUALIFIED INDEPENDENT TESTING LABORATORY ACCEPTABLE TO THE ENGINEER AND OWNER,

- CONTRACTED BY THE OWNER. INSPECTION OF REINFORCING STEEL INCLUDING SIZE, SPACING, COVER, LAPS. VERIFY THAT BARS ARE FREE OF FORM OIL OR OTHER DELETERIOUS MATERIALS. VERIFY THAT BARS ARE ADEQUATELY TIED AND SUPPORTED ON CHAIRS OR BOLSTERS
- ETT TESTING FREQUENCY PER SPECIFICATION INSPECTION OF EMBEDDED STRUCTURAL STEEL ITEMS, SUCH AS COLUMN ANCHOR RODS, PRIOR TO AND DURING CONCRETE PLACEMENT. INSPECT SIZE, POSITIONING, EMBEDMENT AND CONCRETE CONSOLIDATION AROUND ANCHORS.
- 24HR PRIOR TO CONCRETE PLACEMENT ETT REVIEW BATCH TICKETS AND VERIFY COMPLIANCE WITH APPROVED MIX DESIGN. VERIFY THAT WATER ADDED AT THE SITE DOES NOT EXCEED THAT ALLOWED BY THE MIX DESIGN.
- ACI-CFTT, ACI-STT AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, VERIFY SLUMP, AIR CONTENT AND TEMPERATURE.
- CONTINUOUS ACI-CFTT, ACI-STT INSPECTION OF CONCRETE FOR PROPER PLACEMENT TECHNIQUES, INCLUDING HOT AND COLD WEATHER CONCRETING. VERIFY THAT CONVEYANCE AND DEPOSITING AVOIDS SEGREGATION OR CONTAMINATION AND ACHIEVES PROPER CONSOLIDATION
- ACI-CFTT, ACI-STT INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES
- PERIODIC INSPECT FORMWORK GEOMETRY, FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.
- 24HR PRIOR TO CONCRETE PLACEMENT INSPECT THE TIMELY INSTALLATION OF SLAB CONTROL JOINTS AND LOCATION OF THICKENED SLABS. ETT WITHIN 12-HRS OF PLACING CONCRETE AND BEFORE CONCRETE DEVELOPS

### REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION

RANDOM CONTRACTION CRACKS

ALL TESTING SHALL BE PERFORMED BY A QUALIFIED INDEPENDENT TESTING LABORATORY ACCEPTABLE TO THE ENGINEER AND OWNER AT,

- CONTRACTED BY THE OWNER. VERIFY STRENGTH: SAMPLE, PREPARE AND TEST GROUT SPECIMENS, MORTAR SPECIMENS, AND MASONRY PRISMS.
- INSPECT PROPORTIONING, MIXING AND RETEMPERING OF MORTAR AND GROUT PERIODIC
- VERIFY MASONRY INSTALLATION SPECIFICATIONS. INSPECT SIZE, LAYOUT, BONDING AND PLACEMENT OF MASONRY.
- INSPECT CELLS PRIOR TO GROUTING AND VERIFY GROUTING PROCEDURES. INSPECT PLACEMENT AND CONSOLIDATION OF GROUT. INSPECT MASONRY CLEAN-OUTS FOR HIGH-LIFT GROUTING.
- CONTINUOUS INSPECT CONSTRUCTION OF MORTAR JOINTS INCLUDING TOOLING AND FILLING OF HEAD JOINTS
- INSPECT ANCHORAGE OF MASONRY TO OTHER CONSTRUCTION AND INSTALLATION OF EMBEDDED ITEMS. PE/SE, EIT VERIFY CURING AND PROTECTION PROCEDURES. VERIFY PROTECTION FOR COLD AND HOT WEATHER PROCEDURES. VERIFY THAT WALL

INSPECT THE SIZE, QUANTITY, CONDITION AND PLACEMENT OF REINFORCING

CAVITIES ARE PROTECTED AGAINT PRECIPITATION

PERIODIC, PRIOR TO GROUTING

0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020 DESCRIPTION WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 **40A MANSON LIBBY** ROAD GSA FITOUT

1 ADDENDUM 004

STRUCTURAL GENERAL NOTES AND SPECIAL INSPECTIONS

40A MANSON LIBBY ROAD

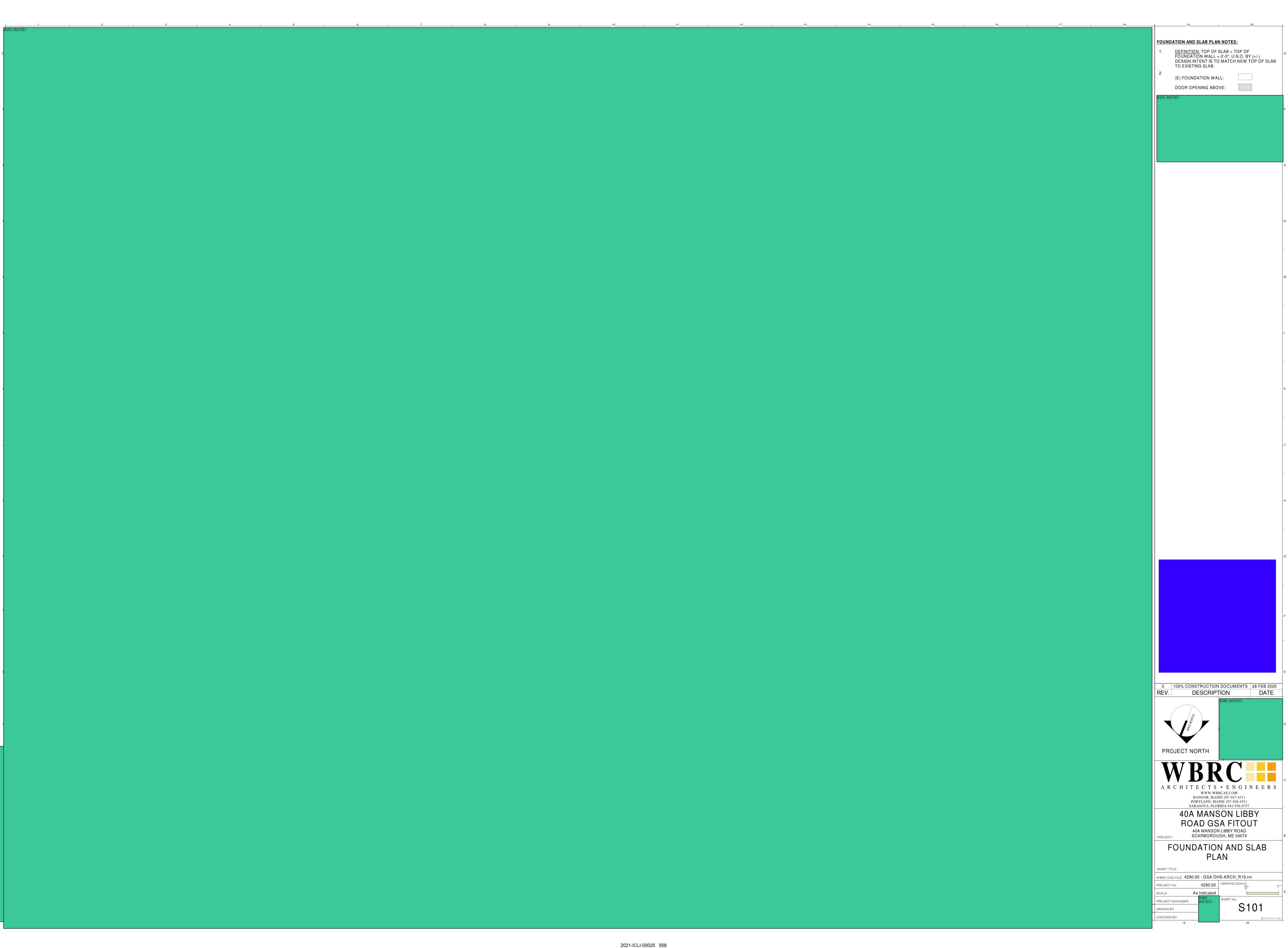
SCARBOROUGH, ME 04074

WBRC CAD FILE: 4290.00 - GSA DHS-ARCH R19.rvt 4290.00 GRAPHIC SCALE: PROJECT No. 12" = 1'-0"

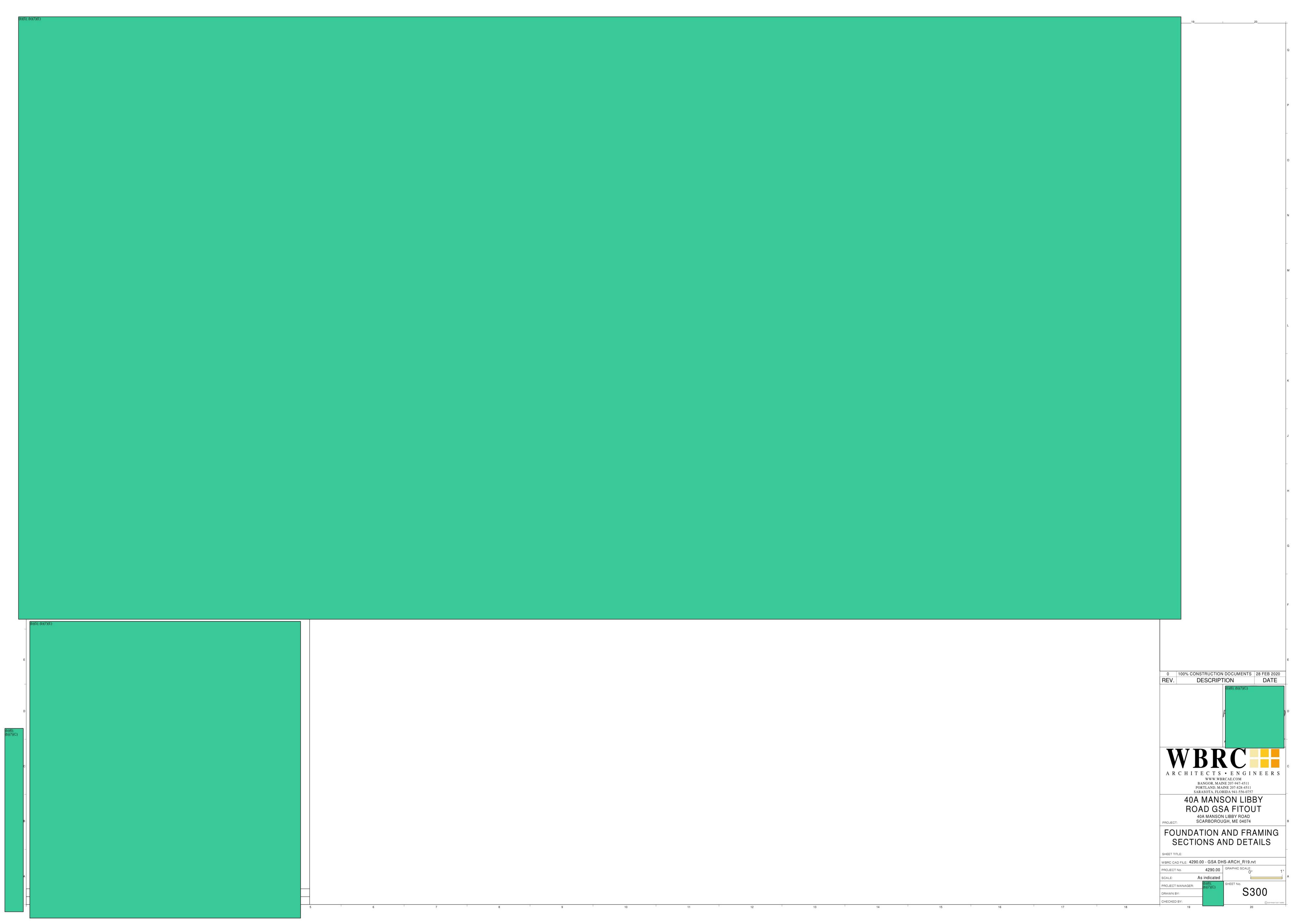
PROJECT MANAGE DRAWN BY

CHECKED BY:

A10 STRUCTRAL TESTS AND SPECIAL INSPECTIONS 12" = 1'-0"



**ROOF FRAMING PLAN NOTES:** <u>DEFINITION:</u> TOP OF STEEL = UNDERSIDE OF DECK = TOP OF BAR JOIST = 18'-5" AT EXTERIOR MASONRY BEARING WALLS 1.1 TOP OF ROOF STEEL SLOPES DOWN TO INTERIOR COLUMNS FOR ROOF DRAINAGE. 0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020 REV. DESCRIPTION DATE WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 40A MANSON LIBBY ROAD GSA FITOUT 40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074 ROOF FRAMING PLAN SHEET TITLE: WBRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt 4290.00 GRAPHIC SCALE: PROJECT No. As indicated PROJECT MANAGER: A1 ROOF FRAMING PLAN
1/4" = 1'-0" DRAWN BY: CHECKED BY:



0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020 REV. DESCRIPTION DATE WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 40A MANSON LIBBY ROAD GSA FITOUT

40A MANSON LIBBY ROAD
SCARBOROUGH, ME 04074 MASONRY SECTIONS AND **DETAILS** SHEET TITLE: WBRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt 4290.00 GRAPHIC SCALE: PROJECT MANAGER: DRAWN BY: CHECKED BY:

MASONRY ELEVATION NOTES: <u>DEFINITION:</u> TOP OF WALL= UNDERSIDE OF ROOF DECK = 18'-5", BAR JOIST BEARING = 18'-0", EXISTING 12" MASONRY TO REMAIN: NEW 12" MASONRY: NEW REINFORCED/GROUTED CELL: EXTERIOR WALL OPENING: SEE ARHITECTURAL DRAWINGS FOR ALL WALL OPENING LAYOUT DIMENSIONS. ALL NEW MASONRY TO HAVE 9 GAGE GALVANIZED LADDER TYPE JOINT REINFORCING SPACED 16" o/c VERT. 5. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SHORING REQUIRED TO REMOVE AND REBUILD MASONRY WALLS. SHEET TITLE: PROJECT No. As indicated PROJECT MANAGER: DRAWN BY: CHECKED BY:

| 1 2 3 |                   | 7   8   9 | <br> | <br>   |
|-------|-------------------|-----------|------|--|
| Q     | (b)(5); (b)(7)(E) |           |      | WALL LEGEND:  EXISTING TO REMAIN  EXISTING TO BE REMOVED  NEW WALL   |
| P     |                   |           |      | (b)(5); (b)(7)(E)  |
| 0     |                   |           |      |  |
| N N   |                   |           |      |  |
| M     |                   |           |      |  |
|       |                   |           |      |  |
|       |                   |           |      |  |
| K     |                   |           |      |  |
| J     |                   |           |      |  |
| H -   |                   |           |      | н  |
| G     |                   |           |      | G  |
| F     |                   |           |      | F  |
| E     |                   |           |      | KEY PLAN   |
|       |                   |           |      | 0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020 REV. DESCRIPTION DATE  (b)(6); (b)(7)(C)   |
| c     |                   |           |      | PROJECT NORTH  WBRC  |
|       |                   |           |      | A R C H I T E C T S • E N G I N E E R S  WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757  40A MANSON LIBBY ROAD GSA FITOUT 40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074 |
|       |                   |           |      | FIRST FLOOR REMOVAL PLAN  HEET TITLE:  BRC CAD FILE: 4290.00 - GSA DHS-ARCH_R19.rvt  ROJECT No. 4290.00 GRAPHIC SCALE:  0" 1"  |
|       |                   |           |      | CALE: As indicated  ROJECT MANAGER:  RAWN BY:  HECKED BY:  19  O" 1"  A  A  COCOPYRIGHT 2017 WBRC  COCOPYRIGHT 2017 WBRC   |

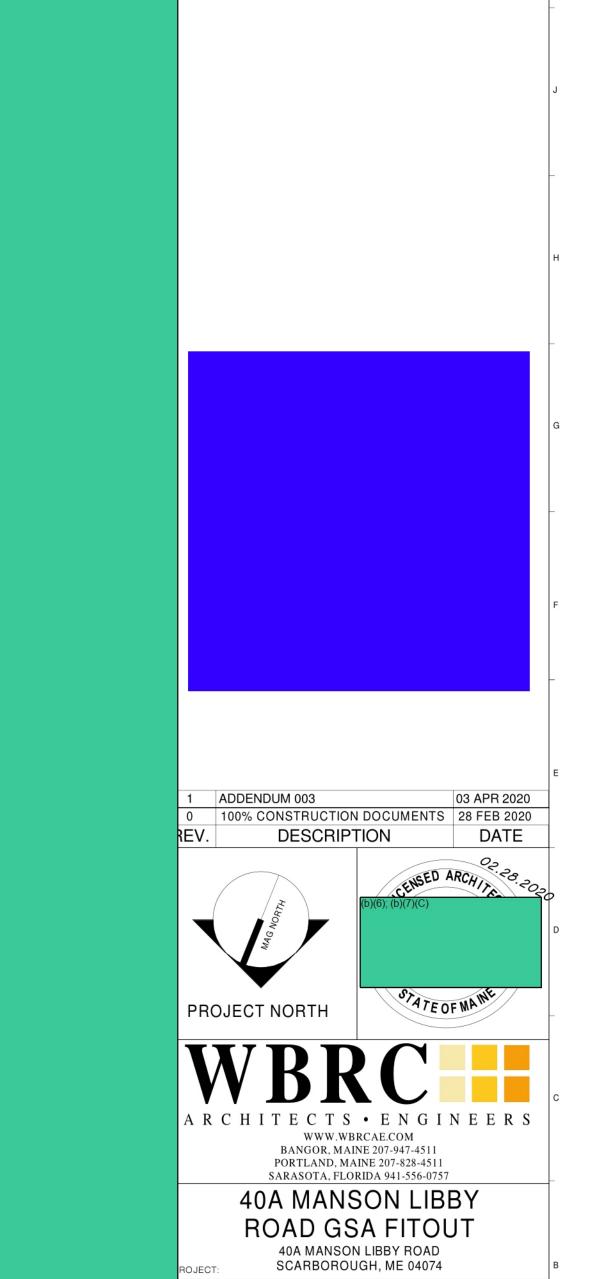


WALL LEGEND: 
 1
 ADDENDUM 002
 16 MAR 2020

 0
 100% CONSTRUCTION DOCUMENTS
 28 FEB 2020

 REV.
 DESCRIPTION
 DATE
 WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 40A MANSON LIBBY ROAD GSA FITOUT

40A MANSON LIBBY ROAD
SCARBOROUGH, ME 04074 FIRST FLOOR NEW WORK PLAN SHEET TITLE: WBRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt 4290.00 GRAPHIC SCALE: PROJECT No. As indicated PROJECT MANAGER: DRAWN BY: CHECKED BY:



**ROOF PLAN** 

4290.00 GRAPHIC SCALE:

BRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt

As indicated



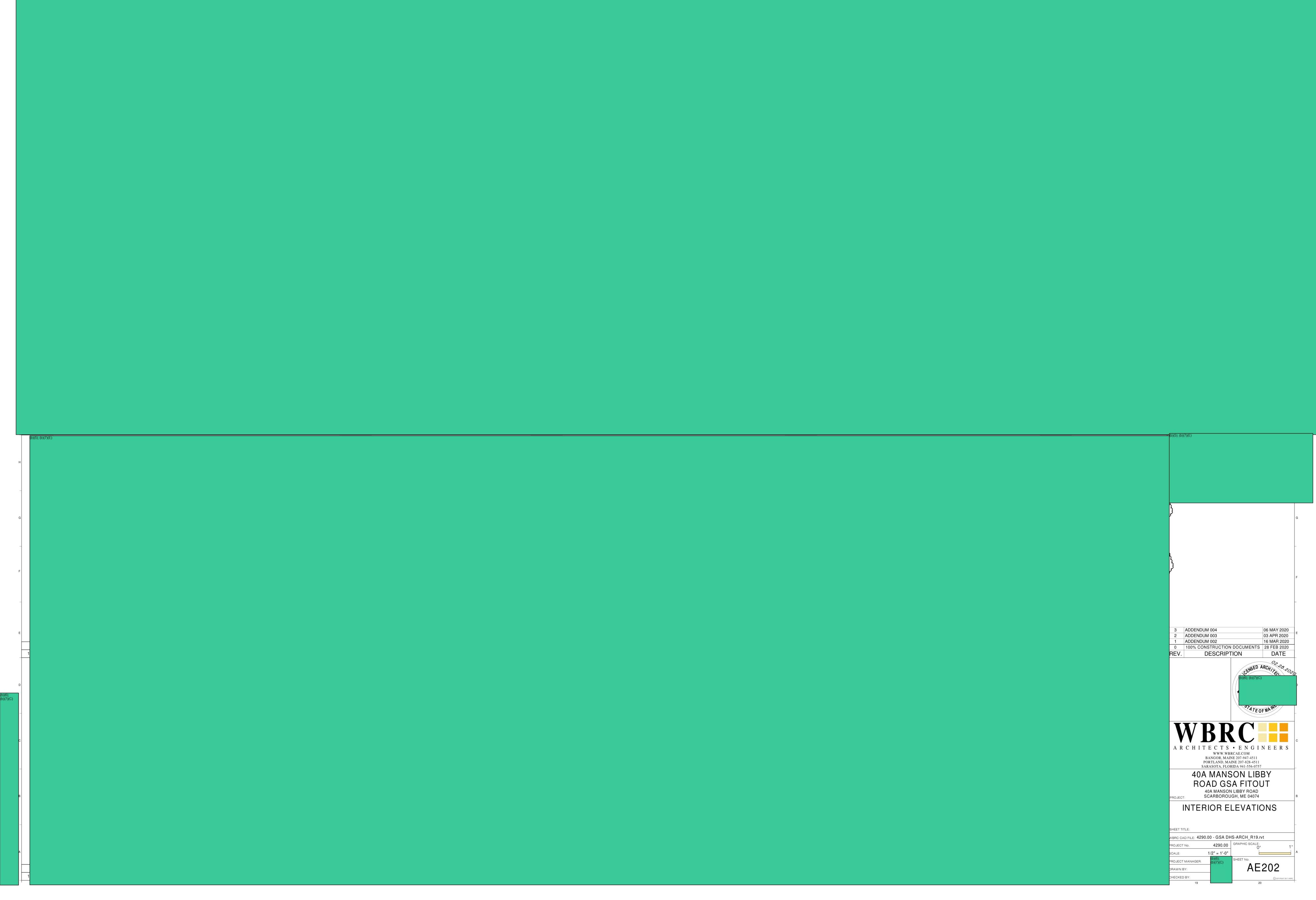
NEW EXTERIOR CANOPIES

MANUFACTURER: FLOLINE CANOPY SYSTEMS

STYLE: MARQUEE IMPERIAL CANOPY NOTES:

1. PROVIDE SHOP DRAWINGS & CALCULATIONS
PREPARED FOR THE DESIGN LOADS AS NOTED
ON SHEET S-001.

2. REFER TO STRUCTURAL DRAWINGS FOR
ATTACHMENT & REINFORCEMENT DETAILS. 2 ADDENDUM 003 03 APR 2020
1 ADDENDUM 002 16 MAR 2020
0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020
REV. DESCRIPTION DATE WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 40A MANSON LIBBY ROAD GSA FITOUT 40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074 **EXTERIOR ELEVATIONS** SHEET TITLE: WBRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt 4290.00 GRAPHIC SCALE: 1/4" = 1'-0" PROJECT MANAGER: DRAWN BY: CHECKED BY:



40A MANSON LIBBY ROAD GSA FITOUT 40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074 INTERIOR ELEVATIONS SHEET TITLE: WBRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt 4290.00 GRAPHIC SCALE: PROJECT MANAGER: DRAWN BY: CHECKED BY: 2021-ICLI-00025 970

REFER TO SHEET AE702 AND PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION ON ROOM SIGNAGE.

3 ADDENDUM 004 06 MAY 2020
2 ADDENDUM 003 03 APR 2020
1 ADDENDUM 002 16 MAR 2020
0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020
REV. DESCRIPTION DATE ARCHITECTS • ENGINEERS

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PORTLAND, MAINE 207-828-4511

SARASOTA, FLORIDA 941-556-0757

REFER TO SHEET AE702 AND PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION ON ROOM SIGNAGE.

 
 1
 ADDENDUM 002
 16 MAR 2020

 0
 100% CONSTRUCTION DOCUMENTS
 28 FEB 2020

 REV.
 DESCRIPTION
 DATE
 ARCHITECTS • ENGINEERS

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BANGOR, MAINE 207-947-4511

PORTLAND, MAINE 207-828-4511

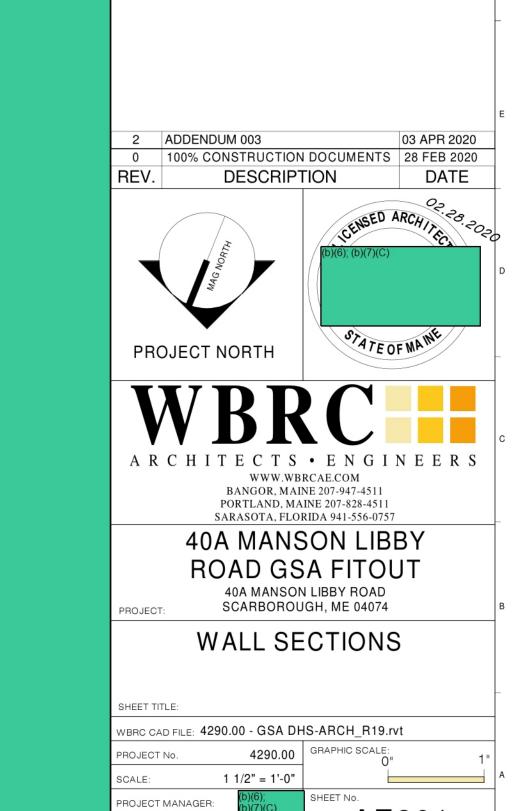
SARASOTA, FLORIDA 941-556-0757

40A MANSON LIBBY

ROAD GSA FITOUT 40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074

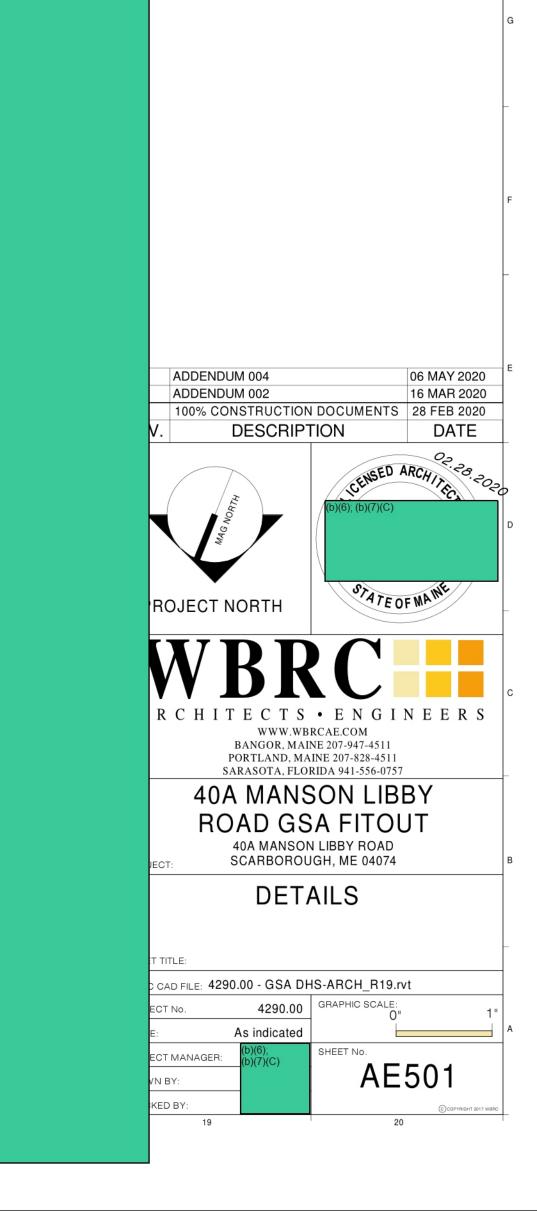
INTERIOR ELEVATIONS

BRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt 4290.00 GRAPHIC SCALE: 1/2" = 1'-0"



DRAWN BY:

CHECKED BY:



2 ADDENDUM 003 03 APR 2020
1 ADDENDUM 002 16 MAR 2020
0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020

REV. DESCRIPTION DATE

PROJECT NORTH

A R C H I T E C T S • E N G I N E E R S

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SARASOTA, FLORIDA 941-556-0757

40A MANSON LIBBY
ROAD GSA FITOUT
40A MANSON LIBBY ROAD
PROJECT: SCARBOROUGH, ME 04074

PARTITION TYPES & DETAILS

SHEET TITLE:

WBRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt

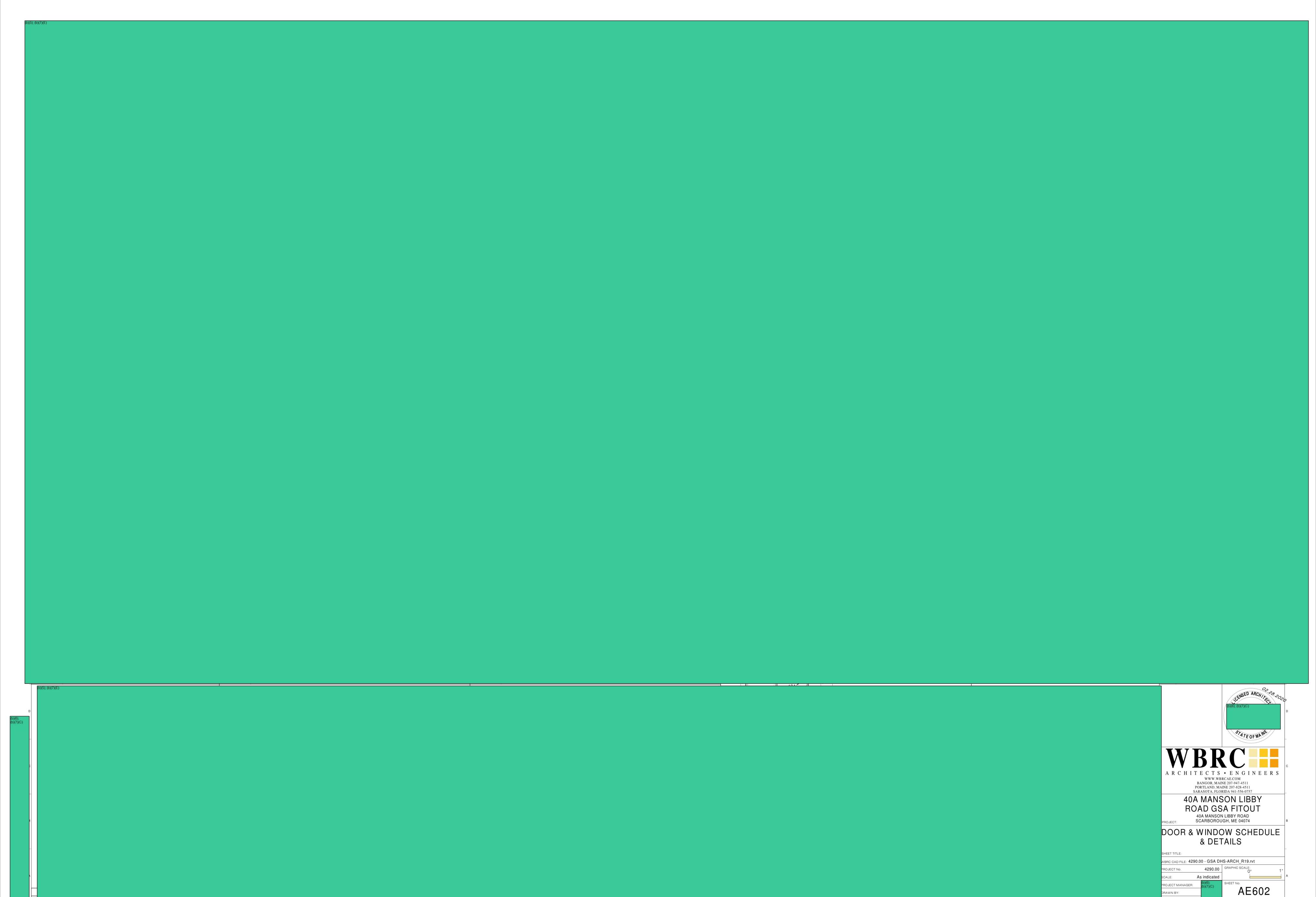
PROJECT No. 4290.00 GRAPHIC SCALE:

0"

SCALE: 3" = 1'-0"

PROJECT MANAGER: (b)(6); SHEET No.

AE601



WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 40A MANSON LIBBY ROAD GSA FITOUT 40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074 FINISH SCHEDULE & DETAILS VBRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt 4290.00 GRAPHIC SCALE: As indicated AE701

FURNITURE NOTES: 1. FURNITURE SHOWN 1/2 TONE IS THE RESPONSIBILITY OF THE FURNITURE VENDOR AND IS SHOWN FOR COORDINATION PURPOSES ONLY. 0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020 REV. DESCRIPTION DATE WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 40A MANSON LIBBY ROAD GSA FITOUT 40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074 FURNITURE / EQUIPMENT & SIGNAGE PLAN SHEET TITLE: WBRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt 4290.00 GRAPHIC SCALE: As indicated DRAWN BY: CHECKED BY: 2021-ICLI-00025 977

0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020
REV. DESCRIPTION DATE ARCHITECTS • ENGINEERS

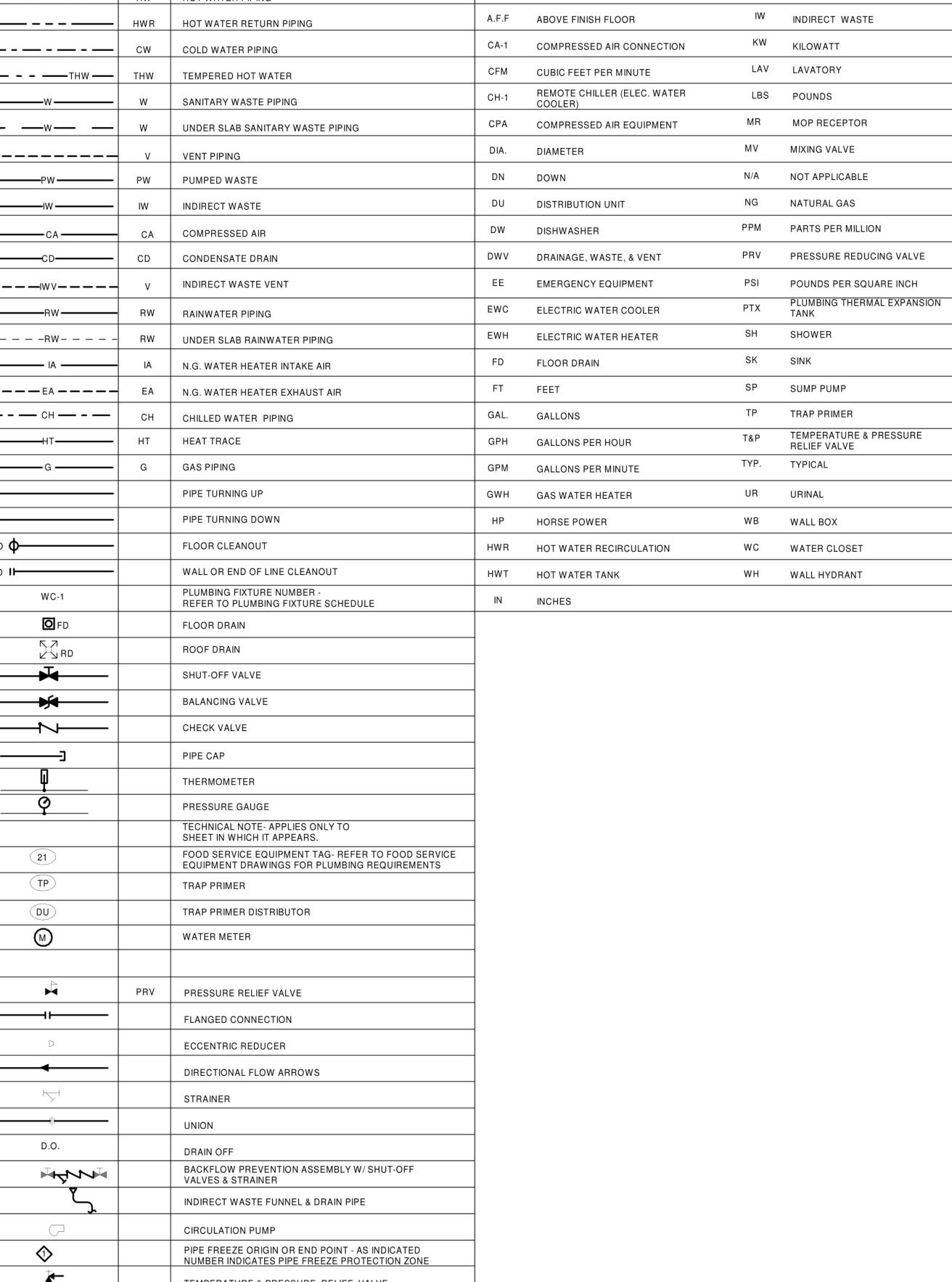
WWW.WBRCAE.COM

BANGOR, MAINE 207-947-4511

PORTLAND, MAINE 207-828-4511

SARASOTA, FLORIDA 941-556-0757 40A MANSON LIBBY ROAD GSA FITOUT 40 MANSON LIBBY ROAD SCARBOROUGH, ME 04074 FIRST FLOOR FIRE PROTECTION PLAN SHEET TITLE: WBRC CAD FILE: 4290.10 GRAPHIC SCALE: PROJECT No. As indicated PROJECT MANAGER: DRAWN BY: CHECKED BY:

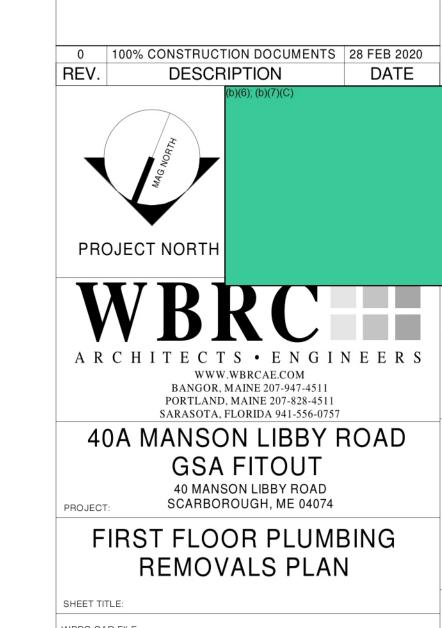
|  | PLUN | MBING SYMBOLS  |       | PLUMBING ABB                        | REVIATION | ONS                |
|--|------|--|-------|-------------------------------------|-----------|--------------------|
| SYMBOL                                 | ABV. | DESCRIPTION  | ABV.  | DESCRIPTION                         | ABV.      |                    |
|  | HW   | HOT WATER PIPING   | ADA   | AMERICANS WITH DISABILITIES ACT     | INV.EL.   | PIPE IN\           |
|  | HWR  | HOT WATER RETURN PIPING  | A.F.F | ABOVE FINISH FLOOR                  | IW        | INDIREC            |
|  | CW   | COLD WATER PIPING  | CA-1  | COMPRESSED AIR CONNECTION           | KW        | KILOWA             |
| THW                                    | THW  | TEMPERED HOT WATER   | CFM   | CUBIC FEET PER MINUTE               | LAV       | LAVATO             |
| w                                      | W    | SANITARY WASTE PIPING  | CH-1  | REMOTE CHILLER (ELEC. WATER COOLER) | LBS       | POUNDS             |
| w                                      | W    | UNDER SLAB SANITARY WASTE PIPING   | СРА   | COMPRESSED AIR EQUIPMENT            | MR        | MOP RE             |
|  | V    | VENT PIPING  | DIA.  | DIAMETER                            | MV        | MIXING \           |
| PW                                     | PW   | PUMPED WASTE   | DN    | DOWN                                | N/A       | NOT APF            |
| IW                                     | IW   | INDIRECT WASTE   | DU    | DISTRIBUTION UNIT                   | NG        | NATURA             |
| CA                                     | CA   | COMPRESSED AIR   | DW    | DISHWASHER                          | PPM       | PARTS P            |
| CD                                     | CD   | CONDENSATE DRAIN   | DWV   | DRAINAGE, WASTE, & VENT             | PRV       | PRESSU             |
| IWV                                    | V    | INDIRECT WASTE VENT  | EE    | EMERGENCY EQUIPMENT                 | PSI       | POUNDS             |
| RW                                     | RW   | RAINWATER PIPING   | EWC   | ELECTRIC WATER COOLER               | PTX       | PLUMBIN<br>TANK    |
| RW                                     | RW   | UNDER SLAB RAINWATER PIPING  | EWH   | ELECTRIC WATER HEATER               | SH        | SHOWER             |
| IA                                     | IA   | N.G. WATER HEATER INTAKE AIR   | FD    | FLOOR DRAIN                         | SK        | SINK               |
| EAEA                                   | EA   | N.G. WATER HEATER EXHAUST AIR  | FT    | FEET                                | SP        | SUMP PU            |
| <b>— - —</b> сн <b>— - —</b>           | СН   | CHILLED WATER PIPING   | GAL.  | GALLONS                             | TP        | TRAP PF            |
| нт                                     | нт   | HEAT TRACE   | GPH   | GALLONS PER HOUR                    | T&P       | TEMPER<br>RELIEF \ |
| G                                      | G    | GAS PIPING   | GPM   | GALLONS PER MINUTE                  | TYP.      | TYPICAL            |
| 0                                      |      | PIPE TURNING UP  | GWH   | GAS WATER HEATER                    | UR        | URINAL             |
| c                                      |      | PIPE TURNING DOWN  | НР    | HORSE POWER                         | WB        | WALL BO            |
| гсо ф                                  |      | FLOOR CLEANOUT   | HWR   | HOT WATER RECIRCULATION             | WC        | WATER              |
| co II———                               |      | WALL OR END OF LINE CLEANOUT   | HWT   | HOT WATER TANK                      | WH        | WALL HY            |
| WC-1                                   |      | PLUMBING FIXTURE NUMBER -<br>REFER TO PLUMBING FIXTURE SCHEDULE                                | IN    | INCHES                              |           |                    |
| <b>○</b> FD                            |      | FLOOR DRAIN  |       |                                     |           |                    |
| Γ. Ζ<br>∠ J RD                         |      | ROOF DRAIN   | 1     |                                     |           |                    |
|  |      | SHUT-OFF VALVE   |       |                                     |           |                    |
| <del></del>                            |      | BALANCING VALVE  |       |                                     |           |                    |
|  |      | CHECK VALVE  | ]     |                                     |           |                    |
| <del></del>                            |      | PIPE CAP   |       |                                     |           |                    |
| <u> </u>                               |      | THERMOMETER  | 1     |                                     |           |                    |
| <u> </u>                               |      | PRESSURE GAUGE   |       |                                     |           |                    |
|  |      | TECHNICAL NOTE- APPLIES ONLY TO SHEET IN WHICH IT APPEARS.                                     |       |                                     |           |                    |
| 21                                     |      | FOOD SERVICE EQUIPMENT TAG- REFER TO FOOD SERVICE EQUIPMENT DRAWINGS FOR PLUMBING REQUIREMENTS |       |                                     |           |                    |
| TP                                     |      | TRAP PRIMER  |       |                                     |           |                    |
| UU                                     |      | TRAP PRIMER DISTRIBUTOR  |       |                                     |           |                    |
| M                                      |      | WATER METER  |       |                                     |           |                    |
|  |      |  |       |                                     |           |                    |
| Å                                      | PRV  | PRESSURE RELIEF VALVE  |       |                                     |           |                    |
| —————————————————————————————————————— |      | FLANGED CONNECTION   |       |                                     |           |                    |
| D                                      |      | ECCENTRIC REDUCER  |       |                                     |           |                    |
|  |      | DIRECTIONAL FLOW ARROWS  |       |                                     |           |                    |
| $\overline{\triangleright}$            |      | STRAINER   |       |                                     |           |                    |
|  |      | UNION  |       |                                     |           |                    |
| D.O.                                   |      | DRAIN OFF  |       |                                     |           |                    |
| <u> </u>                               |      | BACKFLOW PREVENTION ASSEMBLY W/ SHUT-OFF VALVES & STRAINER                                     |       |                                     |           |                    |
| گے                                     |      | INDIRECT WASTE FUNNEL & DRAIN PIPE   |       |                                     |           |                    |
| $\Box$                                 |      | CIRCULATION PUMP   |       |                                     |           |                    |
| $\Diamond$                             |      | PIPE FREEZE ORIGIN OR END POINT - AS INDICATED NUMBER INDICATES PIPE FREEZE PROTECTION ZONE    |       |                                     |           |                    |
| <b>*</b>                               |      | TEMPERATURE & PRESSURE RELIEF VALVE  |       |                                     |           |                    |



DESCRIPTION

INV.EL. PIPE INVERT ELEVATION





SHEET TITLE:

WBRC CAD FILE:

PROJECT No. 4290.10 GRAPHIC SCALE:

0"

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

PROJECT MANAGER: (b)(6);

DRAWN BY:

CHECKED BY:

PD101

SCALE: DRAWN BY: CHECKED BY:

TECHNICAL NOTES: 1) SPACE RESERVED FOR ELECTRICAL - NO PIPING PERMITTED.

0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020

REV. DESCRIPTION DATE
(b)(6); (b)(7)(C)

WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 40A MANSON LIBBY ROAD

GSA FITOUT

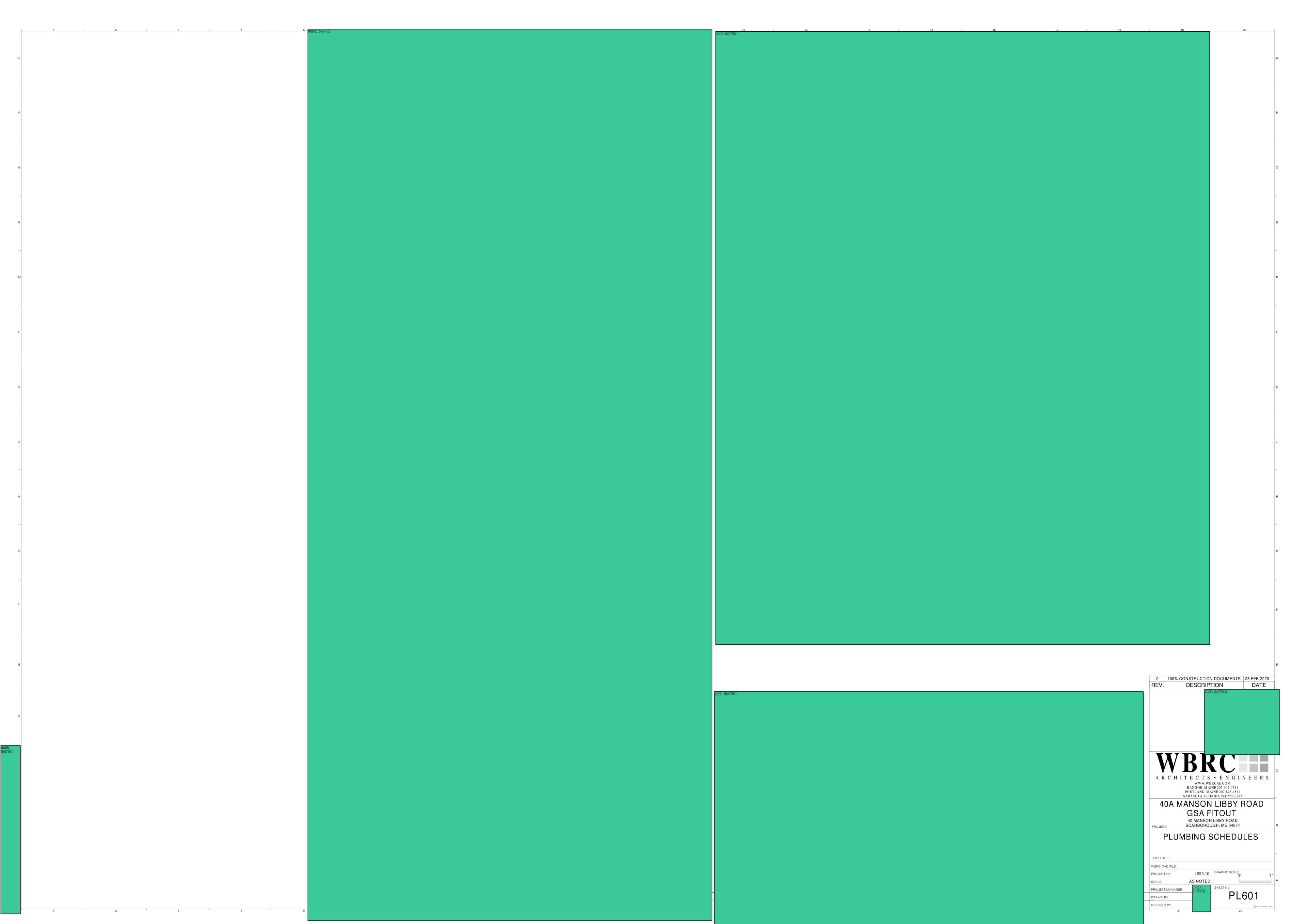
40 MANSON LIBBY ROAD
SCARBOROUGH, ME 04074

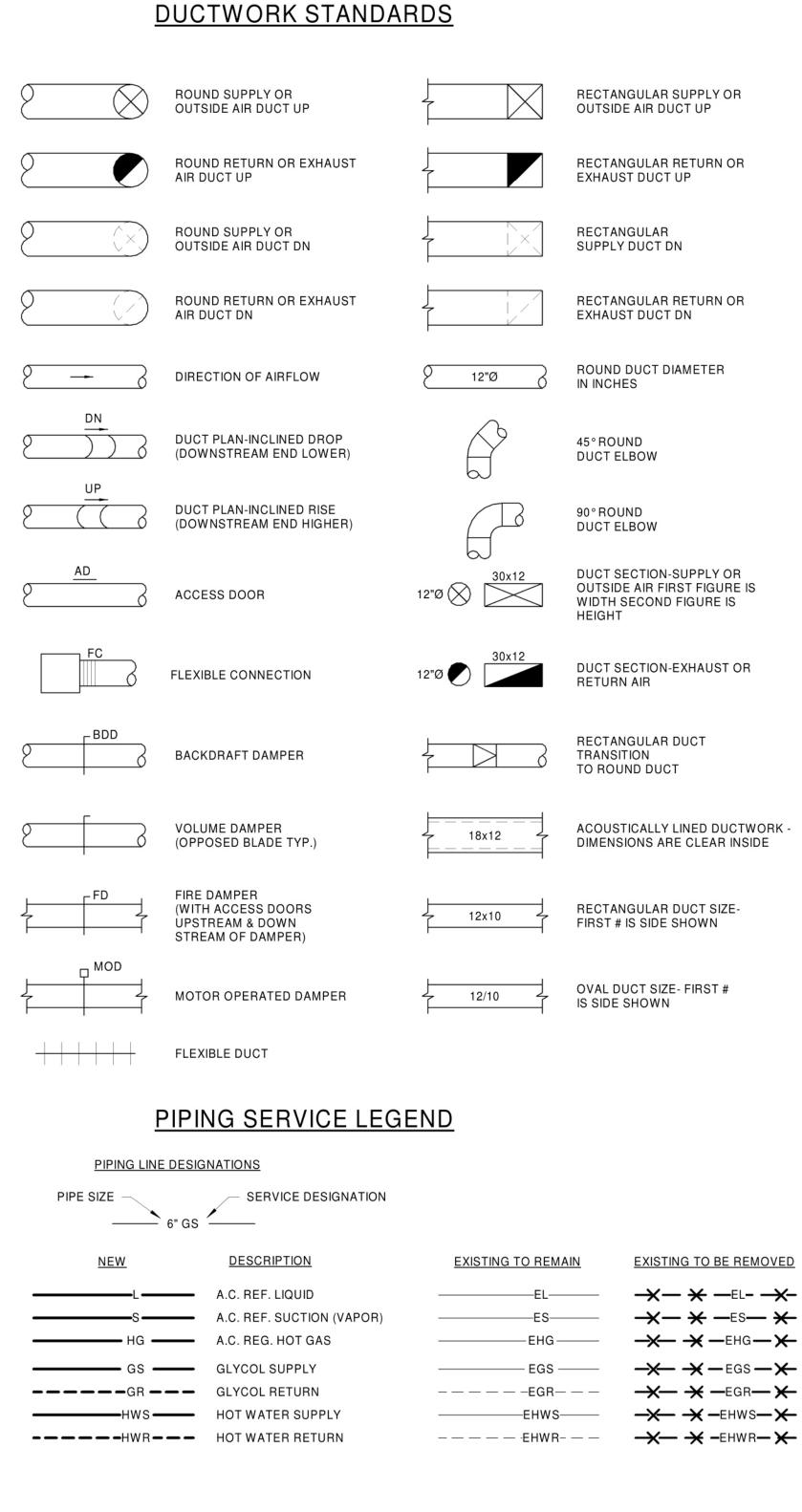
FIRST FLOOR PLUMBING PLAN

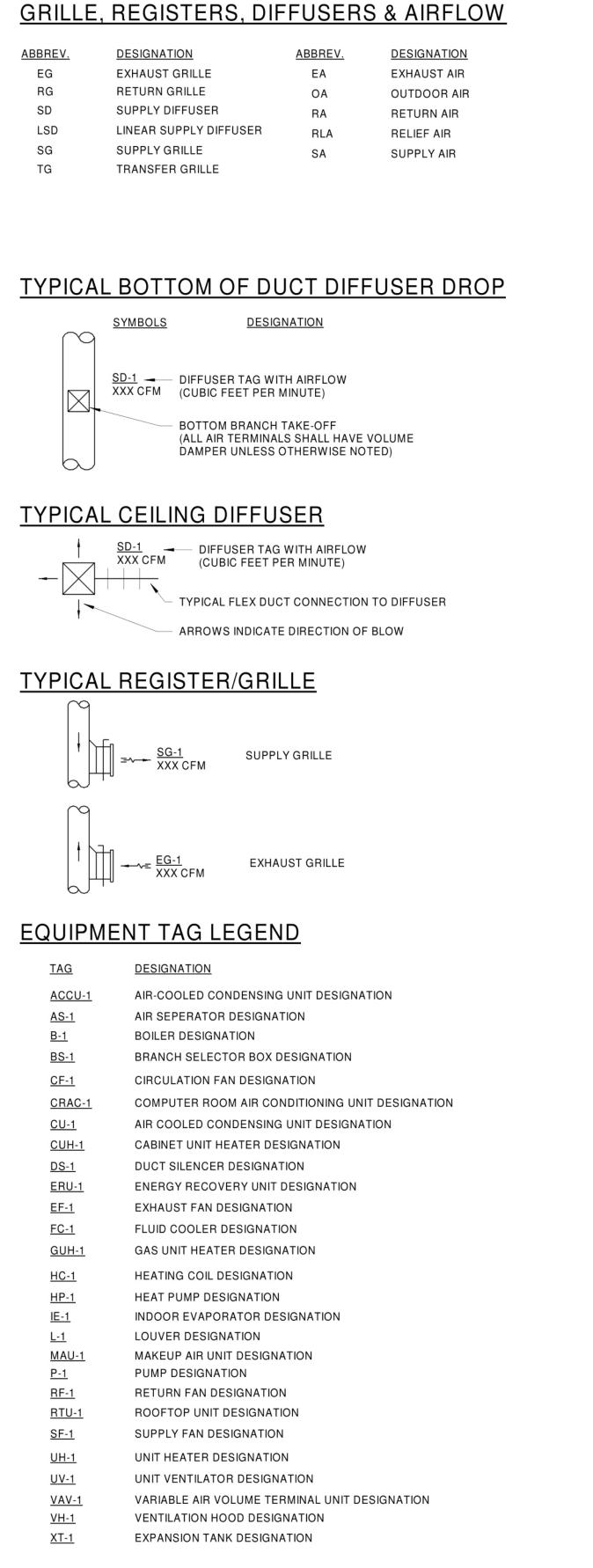
SHEET TITLE: WBRC CAD FILE: PROJECT No.

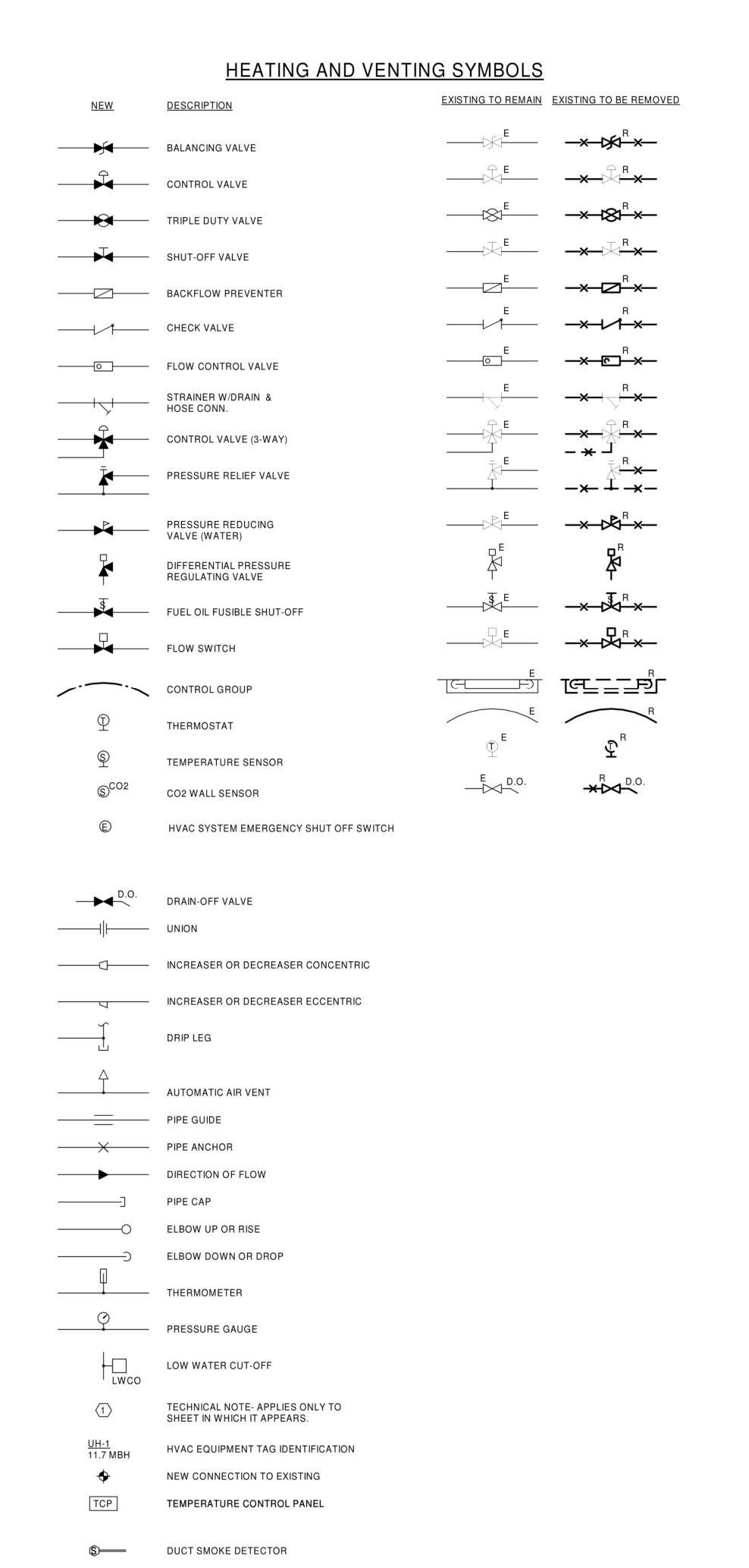
4290.10 GRAPHIC SCALE:

PROJECT MANAGER:





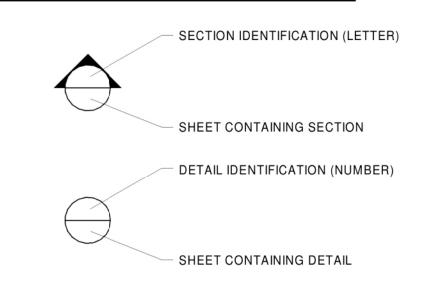


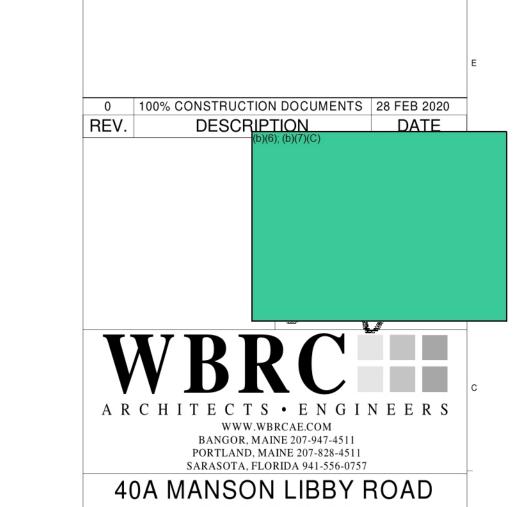


# MISCELLANEOUS ABBREVIATIONS GENERAL NOTES

| BREV.     | <u>DESIGNATION</u>                         | 1.  | ALL NEW SPACE THERMOSTATS SHALL BE MOUNTED 4'-0" ABOVE FINISHED FLOOR (AFF).   |  |  |
|-----------|--|-----|--|--|--|
| Α         | ANCHOR                                     | _   |  |  |  |
| AD        | ACCESS DOOR                                | 2.  | EQUIPMENT, DUCTWORK AND PIPING LOCATIONS SHOWN ARE APPROXIMATE EXCEPT WHERE DIMENSIONED. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR TO AVOID INTERFERENCES. |  |  |
| AFF       | ABOVE FINISHED FLOOR                       |     |  |  |  |
| APD       | AIR PRESSURE DROP                          |     |  |  |  |
| AWT       | AVERAGE WATER TEMPERATURE                  | 3   | FLEXIBLE CONNECTIONS SHALL BE  |  |  |
| BD        | BAROMETRIC DAMPER                          | 0.  | PROVIDED BETWEEN MOTORIZED UNITS AND DUCTWORK CONNECTIONS.   |  |  |
| BDD       | BACKDRAFT DAMPER                           |     |  |  |  |
| BOS       | BOTTOM OF STEEL                            | 4.  | PROVIDE ACCESS DOORS IN EQUIPMENT  |  |  |
| BTU       | BRITISH THERMAL UNITS                      |     | AND DUCTWORK FOR ACCESS TO DAMPERS, MOTORS, FILTERS, FANS AND ON BOTH  |  |  |
| BV        | BRICK VENT                                 |     | SIDES OF HEATING COILS.  |  |  |
| CD        | COOLING CONDENSATE DRAINAGE                | 5.  | PIPING SHALL BE RUN AS DIRECT AS   |  |  |
| CFM       | CUBIC FEET PER MINUTE                      |     | POSSIBLE, PARALLEL TO & FORMING RIGHT ANGLES TO THE LINES OF THE BUILDING,   |  |  |
| D         | DRAIN                                      |     | SUPPORTED FROM THE STRUCTURE, FREE   |  |  |
| DB        | DRY BULB                                   |     | FROM POCKETS & SAGS & PITCHED TO LOW POINT DRAINS.   |  |  |
| EAT       | ENTERING AIR TEMP.                         | 6   | LOCATE ALL VALVES FOR EASY ACCESS &  |  |  |
| ECC       | ECCENTRIC                                  | 0.  | OPERATION. DO NOT LOCATE VALVES  |  |  |
| EL        | ELEVATION                                  |     | W/STEMS BELOW HORIZONTAL.  |  |  |
| EWT       | ENTERING WATER TEMPERATURE                 | 7.  | ALL EXTERIOR WALL PENETRATIONS SHALL   |  |  |
| FA        | FRESH AIR                                  |     | BE SEALED WEATHERTIGHT.  |  |  |
| FC        | FLEXIBLE CONNECTION                        | 8.  | ALL EQUIPMENT SHALL BE INSTALLED   |  |  |
| FD        | FIRE DAMPER                                |     | ACCORDING TO MANUFACTURERS RECOMMENDATION  |  |  |
| FLA       | FULL LOAD AMPS                             | 9.  | DUCTWORK SHALL BE COORDINATED TO PREVENT ANY INTERFERENCES W/  |  |  |
| GPM       | GALLONS PER MINUTE                         |     | PLUMBING, PIPING, ELECTRICAL,  |  |  |
| HP        | HORSEPOWER                                 |     | STRUCTURAL, FIRE PROTECTION, ARCHITECTURAL AND OTHER WORK.   |  |  |
| HVAC      | HEATING, VENTILATING<br>& AIR CONDITIONING | 10. | ALL DUCT SIZES SHOWN ARE CLEAR INTERNAL DIMENSIONS.  |  |  |
| HZ<br>LAT | HERTZ<br>LEAVING AIR TEMP.                 |     |  |  |  |
| LF        | LINEAL FEET                                | 11. | CONTRACTOR TO FIELD VERIFY ALL EXISTING DUCT SIZES, PIPE SIZES,  |  |  |
| LRA       |  |     | LOUVERS, ETC. INCLUDING LOCATIONS &  |  |  |
| LWCO      | LOCKED ROTOR AMPS LOW WATER CUT-OFF        |     | ARRANGEMENTS OF SAME. COORDINATE NEW WORK WITH EXISTING CONDITIONS.  |  |  |
| LWT       | LEAVING WATER TEMPERATURE                  |     |  |  |  |
| MAX       | MAXIMUM                                    |     |  |  |  |
| MBH       | THOUSAND BRITISH THERMAL                   |     |  |  |  |
|           | UNITS PER HOUR                             |     |  |  |  |
| MD        | MANUAL DAMPER                              |     |  |  |  |
| MIN       | MINIMUM                                    |     |  |  |  |
| MOD       | MOTOR OPERATED DAMPER                      |     |  |  |  |
| MV        | MANUAL VENT                                |     |  |  |  |
| N.C.      | NORMALLY CLOSED                            |     |  |  |  |
| PD        | PRESSURE DROP                              |     |  |  |  |
| RIC       | RUN IN COVER                               |     |  |  |  |
| RPM       | REVOLUTIONS PER MINUTE                     |     |  |  |  |
| SP        | STATIC PRESSURE                            |     |  |  |  |
| TOS       | TOP OF STEEL                               |     |  |  |  |
| TV        | TURNING VANES                              |     |  |  |  |
| TYP.      | TYPICAL                                    |     |  |  |  |
| V         | VENT                                       |     |  |  |  |
| VD        | VOLUME DAMPER                              |     |  |  |  |
| W/        | WITH                                       |     |  |  |  |
| WB        | WET BULB                                   |     |  |  |  |
| E         | EXISTING TO REMAIN                         |     |  |  |  |
| ER        | EXISTING RELOCATED                         |     |  |  |  |
| RR        | REMOVE & RELCOATE EXISTING                 |     |  |  |  |
|           |  |     |  |  |  |
| R         | EXISTING TO BE REMOVED                     |     |  |  |  |

# **SECTION & DETAIL MARKERS**





GSA FITOUT

40 MANSON LIBBY ROAD
SCARBOROUGH, ME 04074

MECHANICAL LEGEND

SHEET TITLE:

WBRC CAD FILE:

PROJECT No. AS NOTED

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

PROJECT MANAGER: (b)(6); (b)(7)(C)

DRAWN BY:

SHEET No.

M - 001

CHECKED BY:

0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020
REV. DESCRIPTION DATE
(b)(6); (b)(7)(C) PROJECT NORTH WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 40A MANSON LIBBY ROAD GSA FITOUT
40 MANSON LIBBY ROAD
SCARBOROUGH, ME 04074 FIRST FLOOR MECHANICAL REMOVALS PLAN

SHEET TITLE: WBRC CAD FILE:

4290.10 GRAPHIC SCALE: PROJECT No. 1/4" = 1'-0" SCALE: PROJECT MANAGER: DRAWN BY: CHECKED BY:

**GENERAL NOTES:** 

1. ALL HOT WATER SUPPLY & RETURN BRANCHES TO TERMINAL EQUIPMENT SHALL BE 3/4" UNLESS NOTED OTHERWISE.

TECHNICAL NOTES:

SPACE RESERVED FOR ELECTRICAL - NO PIPING OR DUCTWORK PERMITTED.

 
 1
 ADDENDUM 003
 03 APR 2020

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 100% CONSTRUCTION DOCUMENTS
 28 FEB 2020

 REV.
 DESCRIPTION
 DATE
 WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757

40A MANSON LIBBY ROAD GSA FITOUT
40 MANSON LIBBY ROAD
SCARBOROUGH, ME 04074

FIRST FLOOR MECHANICAL

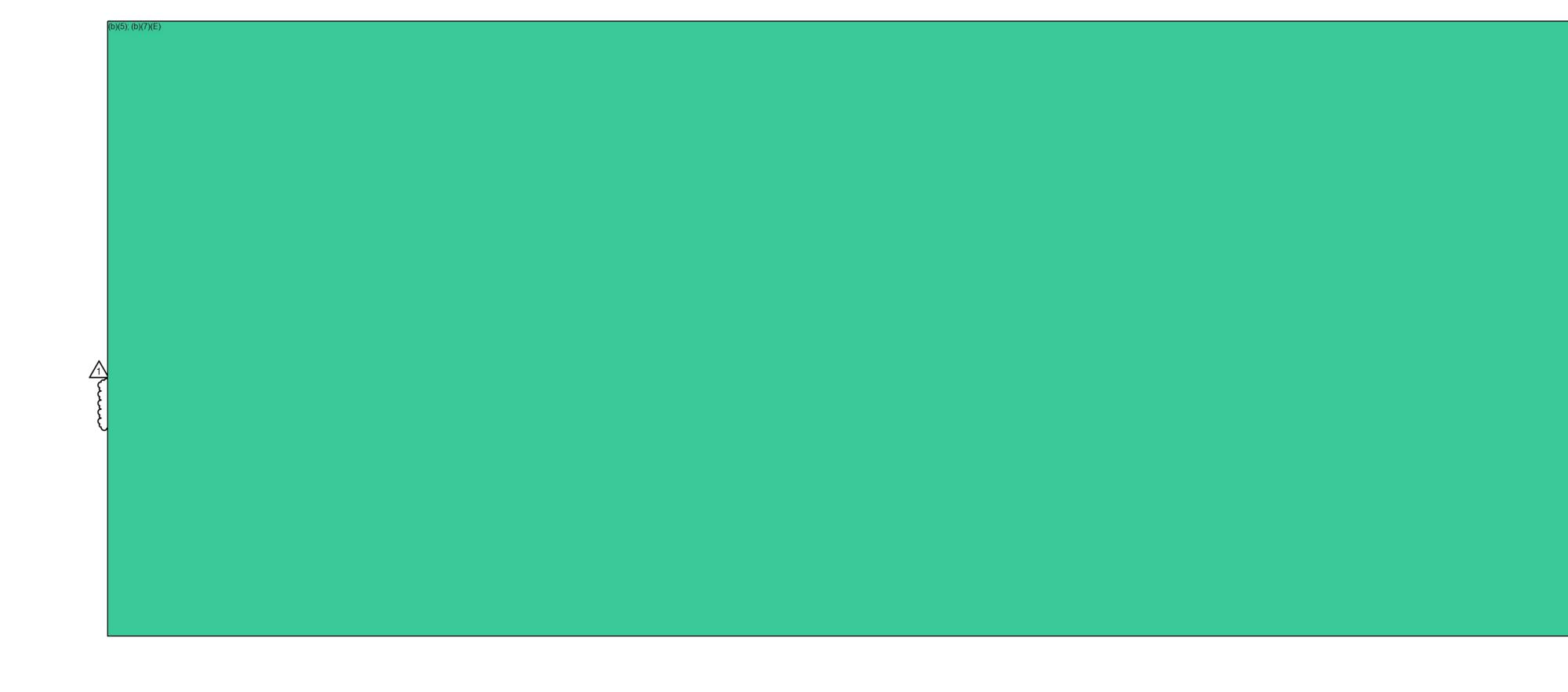
PLAN SHEET TITLE: WBRC CAD FILE: 4290.10 GRAPHIC SCALE:

PROJECT No. SCALE: PROJECT MANAGER: DRAWN BY: CHECKED BY:

0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020
REV. DESCRIPTION DATE WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 40A MANSON LIBBY ROAD GSA FITOUT 40 MANSON LIBBY ROAD SCARBOROUGH, ME 04074 MECHANICAL DETAILS 4290.10 GRAPHIC SCALE:



### **LEGEND**: ALL DEVICES, FIXTURES, ETC. SHALL BE NEW UNLESS DESIGNATED WITH THE FOLLOWING TAGS: ER EXISTING RELOCATED NR NEW TO REPLACE EXISTING IN EXISTING LOCATION EXISTING TO BE REMOVED RR REMOVE AND RELOCATE EXISTING CEILING SURFACE MOUNT LINEAR STRIP LIGHT LIGHT FIXTURE - UPPERCASE LETTER IS TYPE, LOWERCASE LETTER IS SWITCH CONTROL GROUP RECTANGLES INDICATE NUMBER FIXTURES IN A ROW. CEILING MOUNTED FIXTURE - NOTES SAME AS ABOVE WALL MOUNTED FIXTURE - NOTES SAME AS ABOVE WALL MOUNTED LINEAR FIXTURE - NOTES SAME AS ABOVE CEILING MOUNTED EXIT SIGN - ARROW INDICATES DIRECTIVE ARROW ON SIGN WALL MOUNTED EXIT SIGN - ARROW INDICATES DIRECTIVE ARROW ON SIGN EMERGENCY LIGHTING BATTERY PACK WITH EMERGENCY LAMPS AS SHOWN REMOTE EMERGENCY LAMP LIGHT FIXTURES SPST FLUSH WALL TOGGLE SWITCH - MOUNT AT 48" A.F.F TO CENTER - LETTER INDICATES SWITCH GROUP THREE-WAY TOGGLE SWITCH - NOTES SAME AS SPST SWITCH ABOVE DIMMER SWITCH - NOTES SAME AS SPST SWITCH ABOVE LOW VOLTAGE DIMMER SWITCH - NOTES SAME AS SPST SWITCH ABOVE FOUR-WAY TOGGLE SWITCH - NOTES SAME AS SPST SWITCH ABOVE WALL KEY SWITCH - NOTES SAME AS ABOVE PILOT LIGHT SWITCH - NOTES SAME AS ABOVE VACANCY SENSOR - MANUAL ON / AUTOMATIC OFF OPERATION - NOTES SAME AS ABOVE- "a/b" DENOTES DUAL RELAY SENSOR (SINGLE SWITCH W/ (2) RELAYS IS REQUIRED) VOLUME CONTROL SWITCH - NOTES SAME AS ABOVE LOW VOLTAGE SWITCH - NOTES SAME AS ABOVE PROJECTION SCREEN CONTOL SWITCH BOILER EMERGENCY SHUT-OFF SWITCH, RED IN COLOR FADER STATION SWITCH CEILING MOUNTED OCCUPANCY SENSOR - "LN" INDICATES LINE VOLTAGE CORNER MOUNTED OCCUPANCY SENSOR POWER PACK FOR LOW VOLTAGE LIGHTING CONTROL DEVICES EMERGENCY LIGHTING CONTROL UNIT PHOTO CELL PLUGMOLD 20 AMP DUPLEX CONVENIENCE RECEPTACLE - MOUNT AT 18" A.F.F. TO CENTER UNLESS NOTWD OTHERWISE "GFI" INDICATES GROUND FAULT DEVICE, "U" INDICATES MOUNTED AT 48" OR 6" ABOVE BACKSPASH OR COUNTER, WHICHEVER IS LOWER - "\*" INDICATES GFI PROTECTED BY UPSTREAM DEVICE, "WP" INDICATES WEATHERPROOF, "IG" INDICATES INSULATED/ISOLATED GROUND, "C" INDICATES CEILING MOUNTED, "F" INDICATES FLOOR MOUNTED, "WR" INDICATES WEATHER RESISTANT RATED, "H" INDICATED HORIZONTALLY MOUNTED, "USB" INDICATES DUPLEX RECEPTACLE WITH 2-PORT USB CHARGER 20 AMP QUADRAPLEX (DOUBLE DUPLEX) - NOTES SAME AS ABOVE SPECIAL PURPOSE OUTLET OR EQUIPMENT CONNECTION - COORDINATE LOCATION AND TYPE OF CONNECTION WITH EQUIPMENT BEING SERVED. JUNCTION BOX WITH COVER MOTOR - SIZE AS INDICATED - COORDINATE W/ ACTUAL EQUIPMENT BEING SERVED MANUAL STARTER - COORDINATE WITH EQUIPMENT BEING SERVED SINGLE THROW FUSED DISCONNECT SWITCH - NEMA ENCLOSURE AS REQUIRED REMOTE CONTROL MAGNETIC STARTER - COORDINATE W/ EQUIPMENT BEING SERVED FUSED DISCONNECT SWITCH / MAGNETIC STARTER - NOTES SAME AS ABOVE ADA ELECTRICALLY-ASSISTED DOOR OPENER PUSHBUTTON BRANCH CIRCUIT RUN IN CEILING OR IN WALLS — – LOW VOLTAGE OR CONTROL WIRING - #12 MINIMUM OR AS NOTED MULTI-CONDUCTOR BRANCH CIRCUIT - NUMBER OF HASHMARKS IS NUMBER OF WIRES (NOT INCLUDING GROUND WIRE) WITHOUT HASHMARKS IS TWO WIRE HOMERUN TO CIRCUIT AND PANEL INDICATED (2#12, 1#12G. - 3/4"C.) UNLESS OTHERWISE NOTED ON PLANS. MULTIPLE PHASE HOMERUN TO CIRCUIT AND PANEL INDICATED - NUMBER OF ARROWS IS NUMBER OF PHASE WIRES - NUMBER OF WIRES AS INDICATED ABOVE. (NOT INCLUDING GROUND WIRE) PANELBOARD NAME - # INDICATES CIRCUIT HOMERUN PANELBOARD NAME - #,RELAY # INDICATES CIRCUIT HOMERUN VIA INDICATED RELAY CONTINUATION OF CIRCUIT ◆ DIRECTIVE ARROW **GENERAL NOTES:** PANELBOARD - SEE PANELBOARD SCHEDULE(S) COMMUNICATION WALL MOUNTED AT TYPICAL GENERAL PURPOSE ELECTRICAL OUTLER HEIGHT (18" AFF TO CENTER). REFER TO FLOOR PLANS, OUTLET CONFIGURATION DETAIL & TABLE ON E-501. PROVIDE 1"C. UP TO ACCESSIBLE CEILING SPACE. COMMUNICATION WALL PHONE MOUNTED AT 48" AFF. TO CENTER. REFER TO FLOOR PLANS, OUTLET CONFIGURATION DETAIL & TABLE ON E-501. PROVIDE 1"C. UP TO ACCESSIBLE CEILING SPACE. COMMUNICATION WIFI CEILING OUTLER WITH A 20' SERVICE LOOP. REFER TO FLOOR PLANS, OUTLET CONFIGUREATION CONNECTION IS SHOWN ON THE MECHANICAL PLANS. COMMUNICATION TV MOUNTED AT DISPLAY HEIGHT (72" AFF. TO CENTER). REFER TO FLOOR PLANS, OUTLET CONFIGUREATION DETAIL & TABLE ON E-501. EQUIPMENT AND CONDUITS. VIDEO TELECONFERENCING / AUDIO VISUAL (VTC/AV) INFRASTRUCTURE BOX ABD CONDUIT BETWEEN BOXES. REFER TO PLANS AND ELEVATION DETAILS ON E-501. RECESSED FLOOR OR CEILING MOUNTED BOX - POWER & COMMUNICATIONS AS SHOWN-"F" INDICATES FLOOR MOUNTED, "C" INDICATES CEILING MOUNTED - REFER TO FLOOR PLANS & OUTLET CONFIGURATION DETAIL ON E-501. WORKING AND ACCESS SPACE OF OTHER EQUIPMENT. CEILING ROUND SPEAKER (SOUND OR INTERCOM SYSTEM AS SHOWN) CEILING 2x2 LAY-IN SPEAKER (SOUND OR INTERCOM SYSTEM AS SHOWN) ON THE PLANS. WALL SPEAKER (SOUND OR INTERCOM SYSTEM AS SHOWN)- "H" INDICATES HORN TYPE MICROPHONE LOCATIONS AS NECESSARY TO AVOID THIS CONDITION. INTERCOM SYSTEM CALL STATION 7. PROVIDE MINIMUM 1" CONDUIT FOR COMMUNICATION OUTLETS UP TO INTERCOM SYSTEM CONTROL PANEL ACCESSIBLE CEILING SPACE. TELEPHONE/INTERCOM SYSTEM HAND SET CIRCUITS SHALL BE 2#12, 1#12 GROUND. EMERGENCY PULL STATION CABLE TRAY LADDER TRAY FIRE ALARM SYSTEM CONTROL PANEL FIRE ALARM ANNUNCIATOR FIRE ALARM SYSTEM CEILING MOUNTED HEAT DETECTOR FIRE ALARM SYSTEM CEILING MOUNTED SMOKE DETECTOR FIRE ALARM SYSTEM CEILING MOUNTED CARBON MONOXIDE DETECTOR FIRE ALARM SYSTEM CEILING MOUNTED COMBINATION HEAT & SMOKE DETECTOR FIRE ALARM SYSTEM DUCT MOUNTED SMOKE DETECTOR WALL MOUNTED FIRE ALARM SYSTEM MANUAL PULL STATION FIRE ALARM SYSTEM WALL MOUNTED AUDIO/VISUAL DEVICE WITH VISUAL DEVICE CANDELA RATING AS NOTED FIRE ALARM SYSTEM WALL MOUNTED AUDIO DEVICE FIRE ALARM SYSTEM WALL MOUNTED VISUAL DEVICE ONLY - CANDELA RATING AS NOTED FIRE ALARM SYSTEM DOOR HOLD-OPEN DEVICE CONNECTION FIRE ALARM SYSTEM/SPRINKLER SYSTEM PRESSURE SWITCH FIRE ALARM SYSTEM/SPRINKLER SYSTEM FLOW SWITCH FIRE ALARM SYSTEM/SPRINKLER SYSTEM TAMPER SWITCH



1. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER, RECTILINEAR TO BUILDING STRUCTURE, AND IN ACCORDANCE WITH ALL APPLICABLE CODES, INCLUDING, BUT NOT LIMITED TO LATEST EDITION OF NFPA 70 (NEC), 90A, 101 AND DIRECTION OF AUTHORITY HAVING JURISDICATION.

2. EXACT LOCATION OF MECHANICAL EQUIPMENT THAT REQUIRES ELECTRICAL

3. CONTRACTOR SHALL REVIEW ALL TRADES CONTRACT DOCUMENTS, AND FIELD VERIFY TO DETERMINE SPECIFIC MOUNTING LOCATIONS FOR ELECTRICAL

4. COORDINATE ARRANGEMENT, MOUNTING, AND SUPPORT OF ELECTRICAL CONDUIT AND EQUIPMENT TO PROVIDE FOR EASE OF DISCONNECTING THE EQUIPMENT WITH MINIMUM INTERFERENCE TO OTHER INSTALLATIONS; TO ALLOW RIGHT OF WAY FOR PIPING INSTALLED AT A REQUIRED SLOPE; AND SO CONNECTING RACEWAYS SHALL BE CLEAR OF OBSTRUCTIONS AND OF THE

5. RUN SEPARATE NEUTRAL WIRE FOR EACH DEDICATED BRANCH CIRCUIT SHOWN

6. DEVICES SHALL NOT BE INSTALLED BACK-TO-BACK IN ADJACENT ROOMS. ADJUST

8. UNLESS NOTED OTHERWISE ON FLOOR PLANS, ALL 20AMP SINGLE PHASE BRANCH

ABOVE FINISHED FLOOR HORSEPOWER, HEAT PUMP JUNCTION BOX ABOVE FINISHED GRADE ATS AUTOMATIC TRANSFER SWITCH KVA KILO VOLT AMPS BATT KILOWATT(S) BKR BREAKER LTG LIGHTING BLDG BUILDING MAXIMUM MAXCIRCUIT BREAKER MINIMUM NEW CLG CEILING ON CENTER CMP CENTRAL MAINE POWER CO. OWNER SUPPLIED, OWNER INSTALLED ITEM CT CURRENT TRANSFORMER PARTIAL CIRCUIT POLYVINYL CHLORIDE DWG DRAWING RECEPTACLE **EMERGENCY** TELEPHONE EMT ELECTRICAL METALLIC TUBING TYPICAL **EQUIPMENT** UNDERGROUND UG FIRE ALARM VOLTS FIRE ALARM ANNUNCIATOR WATTS FIRE ALARM CONTROL PANEL WIRE GUARD FIRE ALARM SYSTEM POWER EXTENDER WM WIREMOLD



FIN

FLR

**ABBREVIATIONS:** 

FINISH, FINISHED

FLOOR

MOUNTING HEIGHT DETAIL

LOCATED ABOVE/BELOW/BESIDE EACH OTHER ALONG THE SAME CENTERLINE. PROVIDE MTG. BLOCKING/SUPPORTS AS REQ'D.

WEATHERPROOF

1 ADDENDUM 003 0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020 DESCRIPTION WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 **40A MANSON LIBBY ROAD GSA FITOUT** 40 MANSON LIBBY ROAD SCARBOROUGH, ME 04074

ELECTRICAL LEGEND AND LIGHT FIXTURE SCHEDULE

SHEET TITLE: WBRC CAD FILE: 4290.00-E-001 4290.00 GRAPHIC SCALE:

AS INDICATED PROJECT MANAGER: DRAWN BY: CHECKED BY:

SECURITY ALARM SYSTEM CONTROL PANEL

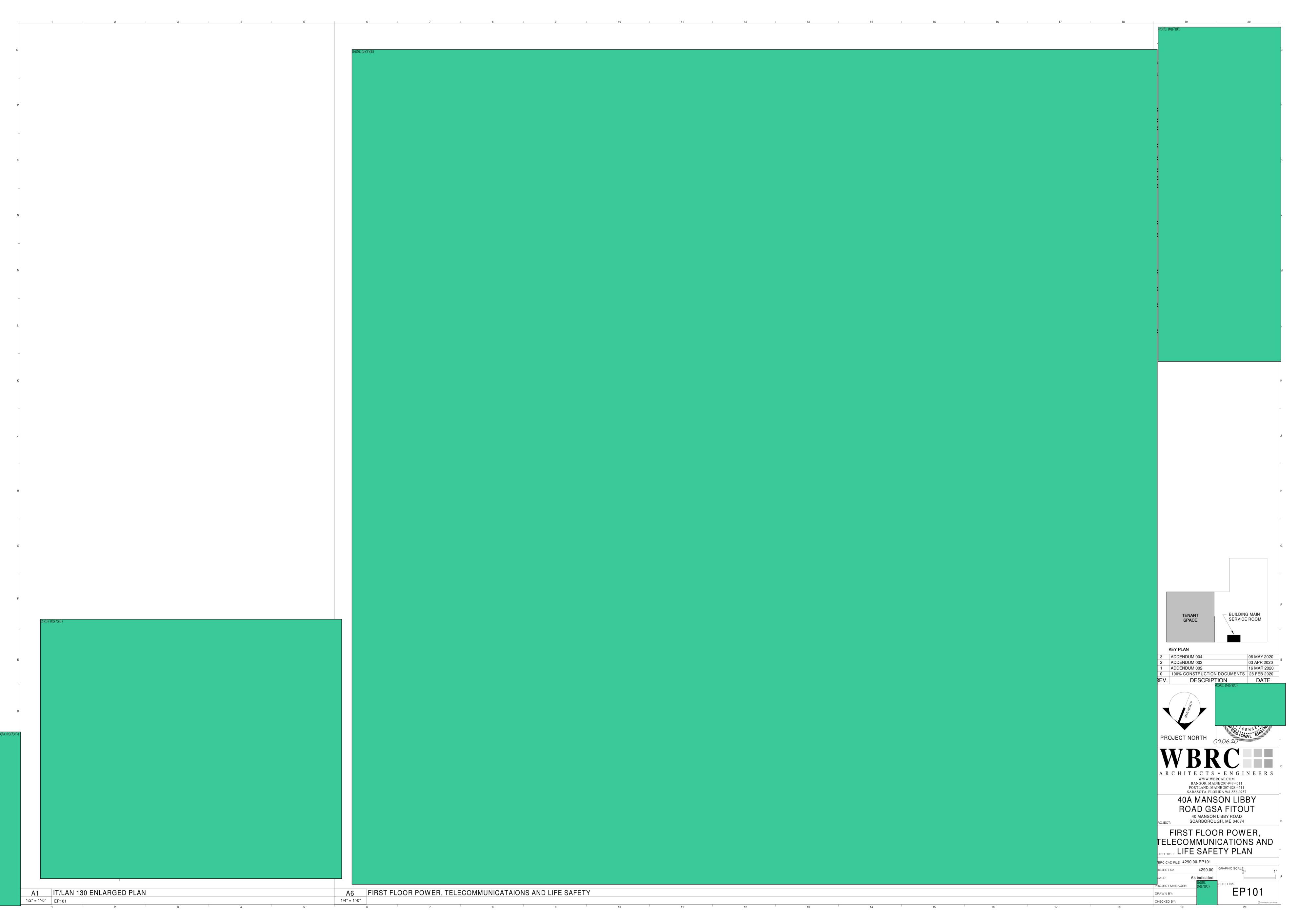
# **GENERAL DEMO NOTES:** 1. ELECTRICAL CONTRACTOR SHALL REVIEW ALL TRADE'S DRAWINGS. AREAS NOTED TO BE DEMOLISHED ARE SHOWN ON ARCHITECTURAL PLANS. UNLESS OTHERWISE NOTED, ALL EXISTING PANELS, LIGHTING, RECEPTACLES AND DEVICES SHOWN OR NOT SHOWN ON THIS PLAN ARE TO BE DISCONNECTED AND REMOVED. 2. WIRING FOR EXISTING BRANCH CIRCUIT DEVICES TO BE DEMOLISHED SHALL BE REMOVED BACK TO THE PANELBOARD. THE ASSOCIATED CIRCUIT BREAKER SHALL BE TURNED OFF AND MARKED AS SPARE IN THE PANELBOARD DIRECTORY. DO NOT ABANDON BRANCH CIRCUIT WIRING ABOVE CEILINGS OR IN WIREWAYS. 3. ALL RACEWAYS & CABLES, NO LONGER IN USE, SHALL BE REMOVED 4. MAINTAIN, OR RESTORE IF INTERRUPTED BY REMOVALS OR IN PATH OF NEW CONSTRUCTION, ALL CONDUITS, BRANCH CIRCUITS, AND FEEDERS PASSING THROUGH AND SERVING UNDISTURBED AREAS (SHOWN OR NOT SHOWN). 5. ALL EXISTING CONDUITS STUBBED THROUGH FLOOR SERVING ITEMS TO BE REMOVED (SHOWN OR NOT SHOWN) AND NOT REQUIRED TO BE REUSED SHALL BE CUT OFF FLUSH WITH THE SLAB DECK AND SEALED. 6. IN ANY AREA REQUIRING THE PERFORMANCE OF ANY TRADES WORK, THE ELECTRICAL CONTRACTOR SHALL CAREFULLY REMOVE AND STORE ANY ELECTRICAL ITEMS IN THE PATH OF WORK, REINSTALLING AND RECONNECTING SAME AS REQUIRED IN ACCORDANCE WITH THE PLANS AND/OR AS DIRECTED AFTER COMPLETION OF OTHER TRADES WORK IN THAT AREA. 7. ENSURE REMOVAL OF ELECTRICAL DEVICES IN CONSTRUCTION AREA DOES NOT AFFECT ADJACENT AREAS. 8. ALL ELECTRICAL FIXTURES, DEVICES AND EQUIPMENT SHALL BE TURNED OVER TO THE OWNER. IF OWNER DOES NOT WISH TO KEEP ITEMS, THEY BECOME THE PROPERTY OF THE ELECTRICAL CONTRACTOR AND MUST BE REMOVED FROM THE SITE. TECHNICAL NOTES: 1 UNLESS OTHERWISE NOTED, ALL EXISTING LIGHTING, RECEPTACLES AND DEVICES IN THIS AREA ARE TO BE DISCONNECTED AND REMOVED. ② EXISTING PANEL TO BE DISCONNECTED AND REMOVED. FEEDERS TO BE REMOVED BACK TO THE SOURCE. ③ EXISTING POWER AND CONTROLS FOR OVERHEAD DOOR TO BE DISCONNECTED AND REMOVED. 4 ALL ASSOCIATED WIRING AND DEVICES OF MECHANICAL EQUIPMENT TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 **40A MANSON LIBBY ROAD GSA FITOUT** 40 MANSON LIBBY ROAD SCARBOROUGH, ME 04074 FIRST FLOOR ELECTRICAL REMOVALS PLAN SHEET TITLE: WBRC CAD FILE: 4290.00-ED101 4290.00 GRAPHIC SCALE: PROJECT No. PROJECT MANAGER: A6 FIRST FLOOR REMOVALS PLAN DRAWN BY: 1/4" = 1'-0" CHECKED BY:

0 100% CONSTRUCTION DOCUMENTS 28 FEB 2020 REV. DESCRIPTION DATE PROJECT NORTH

2.28.20

A R C H I T E C T S • E N G I N E E R S

WWW.WBRCAE.COM
BANGOR, MAINE 207-947-4511
PORTLAND, MAINE 207-828-4511
SARASOTA, FLORIDA 941-556-0757 **40A MANSON LIBBY ROAD GSA FITOUT** 40 MANSON LIBBY ROAD SCARBOROUGH, ME 04074 FIRST FLOOR LIGHTING PLAN SHEET TITLE: WBRC CAD FILE: 4290.00-EL101 4290.00 GRAPHIC SCALE: PROJECT No. SCALE: PROJECT MANAGER: A6 FIRST FLOOR LIGHTING PLAN DRAWN BY: 1/4" = 1'-0" CHECKED BY:



 
 1
 ADDENDUM 004
 06 MAY 2020

 0
 100% CONSTRUCTION DOCUMENTS
 28 FEB 2020

 REV.
 DESCRIPTION
 DATE
 WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 **40A MANSON LIBBY** ROAD GSA FITOUT 40 MANSON LIBBY ROAD SCARBOROUGH, ME 04074 FIRST FLOOR SECURITY & ACCESS CONTROL PLAN SHEET TITLE: WBRC CAD FILE: 4290.00-ES101 4290.00 GRAPHIC SCALE: PROJECT No. 1/4" = 1'-0" SCALE: PROJECT MANAGER: A6 FIRST FLOOR SECURITY & ACCESS CONTROL PLAN DRAWN BY: 1/4" = 1'-0" CHECKED BY:



 
 1
 ADDENDUM 003
 03 APR 2020

 0
 100% CONSTRUCTION DOCUMENTS
 28 FEB 2020

 REV.
 DESCRIPTION
 DATE
 ARCHITECTS • ENGINEERS

WWW.WBRCAE.COM

BANGOR, MAINE 207-947-4511

PORTLAND, MAINE 207-828-4511

SARASOTA, FLORIDA 941-556-0757 **40A MANSON LIBBY** ROAD GSA FITOUT 40 MANSON LIBBY ROAD SCARBOROUGH, ME 04074 ELECTRICAL DETAILS SHEET TITLE: WBRC CAD FILE: 4290.00-E-502 DRAWN BY: CHECKED BY:

2021-ICLI-00025 994

From:

(b)(6); (b)(7)(C)

Sent:

11 May 2020 21:33:57 +0000

To:

(b)(6); (b)(7)(C)

Cc:

**Subject:** FW: ICE-ERO Scarborough ME - Finishes

Attachments: DHS SCARBOROUGH FINISHES-SCHEME 3.xlsx, FINISH SCHEME 3.pdf

To all,

Attached please find Finish Scheme #3 for your review. Also attached, Architect responses in the excel sheet.

Please let me know when you are available to schedule a meeting to go over the finishes.

Thank you,

(b)(6); (b)(7)(C)

(b)(6);

(b)(7)(C)

MA. NCARB. SAME. Intl. Assoc. AIA. Regions 1-2 & 4 | OAFM Project Manager

HSI SAC Miami 11226NW 20<sup>th</sup> Street

Miami, Fl 33172

O:305-597

C: 202-754

From (b)(6); (b)(7)(C)

Sent: Monday, May 11, 2020 2:03 PM

To: (b)(6); (b)(7)(C)

Subject: ICE-ERO Scarborough ME - Finishes

Hi (b)(6); (b)(7)(C)

Please see the attached is the finishes.

Thanks,

(b)(6); (b)(7)(C)

Project Manager New England Region

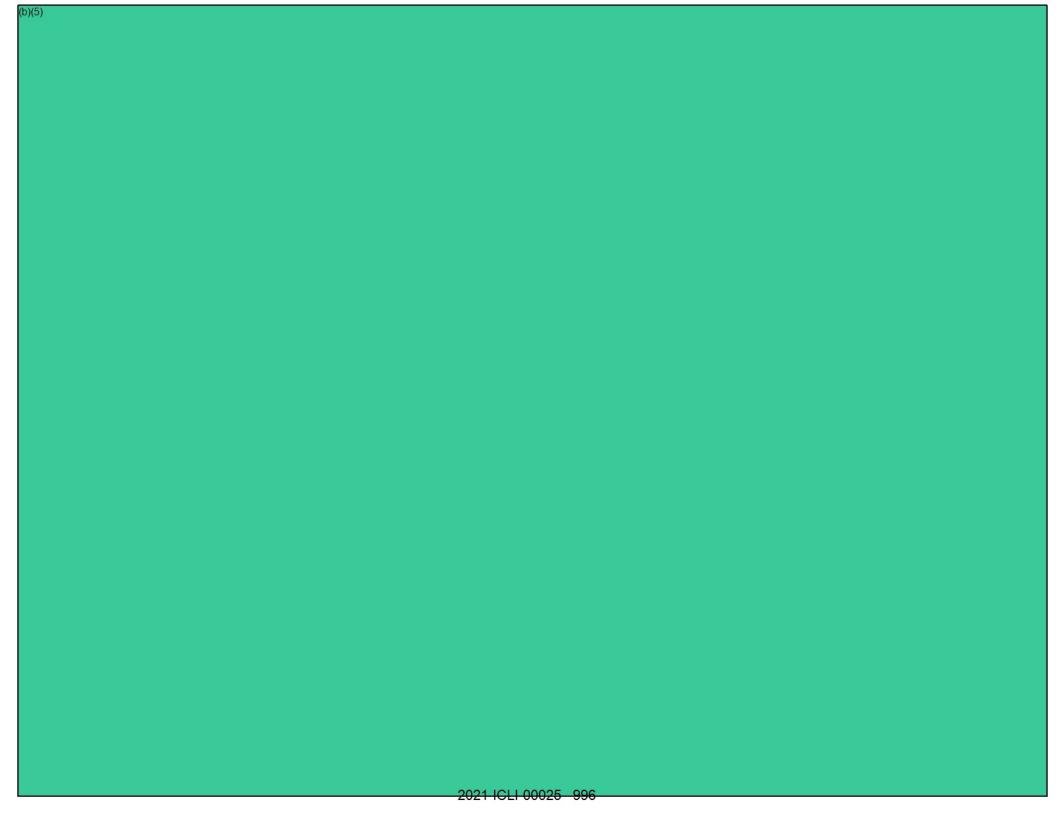
U.S. General Services Administration

10 Causeway Street, (b)(6); (b)(7)(C)

Boston, MA 02222

(C) 617-275-(b)(6)

2021-ICLI-00025 995







(b)(6); (b)(7)(C) From: Sent: 15 May 2020 13:05:37 +0000 (b)(6); (b)(7)(C) To: Cc: (b)(6); (b)(7)(C) Subject: FW: Interview room audio/video recording-ERO Scarborough. 10087-1 Custodial Recording Policy.pdf, Updated Custodial Recording Policy Attachments: Guidance for HSI Special Agents and Task Force Officers, Excerpt from Jury Instructions.pdf, Portland ME HSI Processing Workstations ICEOCIOAHL.xlsx Good Morning (b)(6); (b)(7)(C) Do we have funds to add this request? Please let me know. Thank you in advance for your help. (b)(6); (b)(7)(C) MA. NCARB. SAME. Intl. Assoc. AIA. Regions 1-2 & 4 | OAFM Project Manager HSI SAC Miami 11226NW 20th Street Miami, Fl 33172 O:305-597 C: 202-754(b)(7)(C) From: (b)(6); (b)(7)(C) Sent: Friday, May 15, 2020 7:47 AM To:(b)(6), (b)(7)(C) Cc: Subject: FW (b)(7)(E) b)(5); (b)(6); (b)(7)(C); (b)(7)(E)

Thanks, (b)(6); (b)(7)(C)

From: (b)(6); (b)(7)(C)

Sent: Thursday, May 14, 2020 3:12 PM



Please see below. This ICE policy applies to HSI criminal investigators. I thought it would be worth looking at as we are getting ready for construction soon on the new POM building.

ICE ERO Portland, ME Sub-Office 176 Gannett Drive South Portland, ME 04106

Main Office Phone#: 207-780-(b)(6);

Desk Phone#: 207-808(b)(7)(C)

Cell Phone#: 207-252-

Fax#: 207-780-3216

Warning: This document is UNCLASSIFIED//FOR OFFICIAL USE ONLY (U//FOUO). It contains information that may be exempt from public release under the Freedom of Information Act (5 U.S.C. 552). It is to be controlled, stored, handled, transmitted, distributed, and disposed of in accordance with DHS policy relating to FOCO information and is not to be released to the public or other personnel who do not have a valid "need-to-know" without prior approval of an authorized DHS official. No portion of this report should be furnished to the media, either in written or verbal form.

From: (b)(6); (b)(7)(C)

Sent: Wednesday, May 13, 2020 1:02 PM

To (b)(6); (b)(7)(C)

Subject: (b)(7)(E)



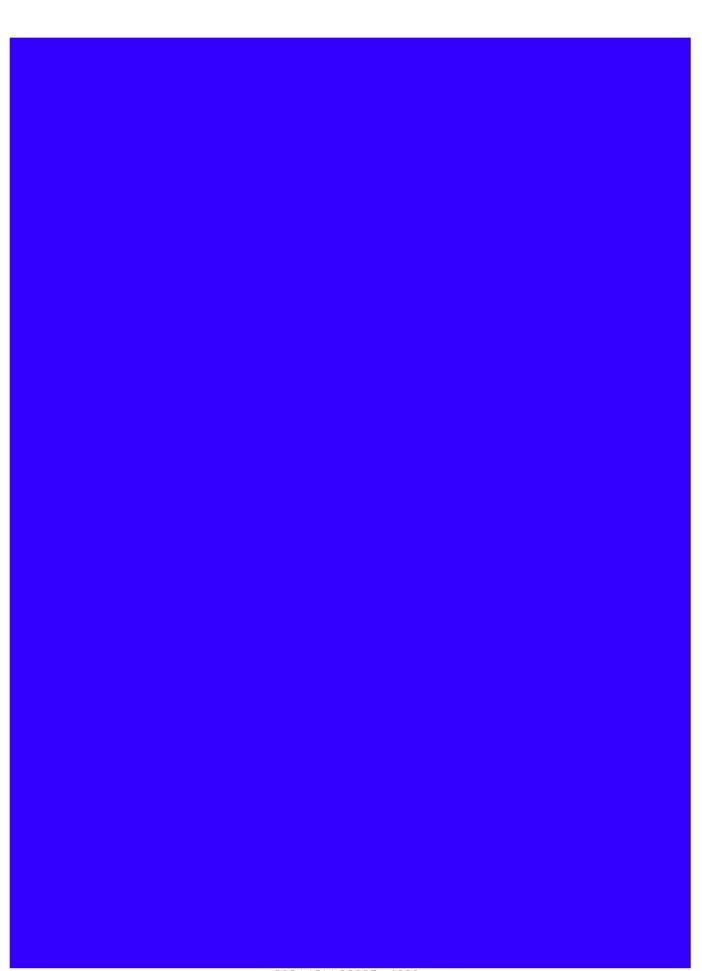
As discussed, I wanted to give you some information regarding installation of audio/video capabilities for your new office buildout

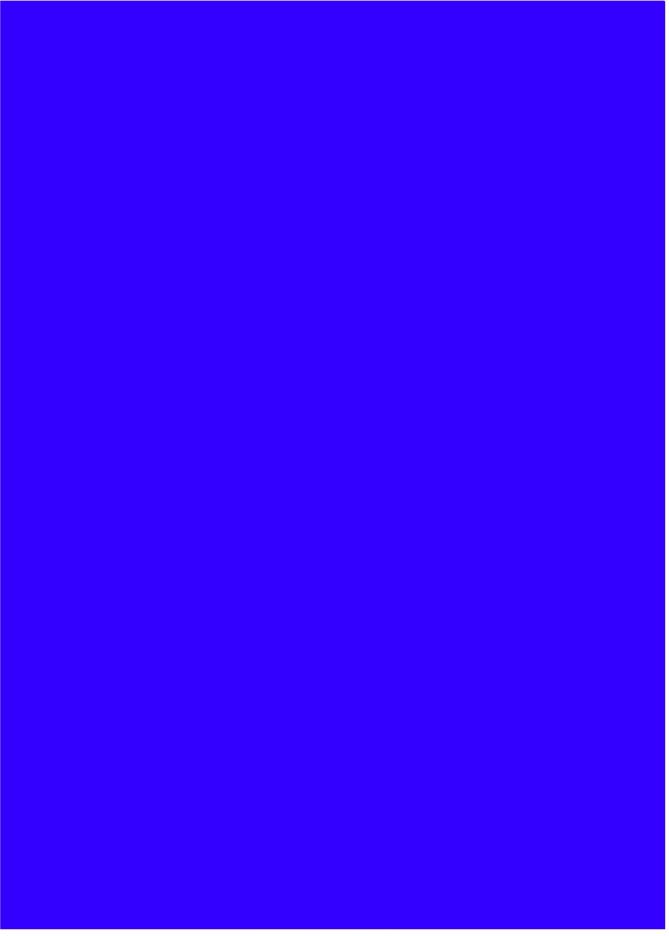
| (b)(7)(E); (b)(5) |          |  |  |
|-------------------|----------|--|--|
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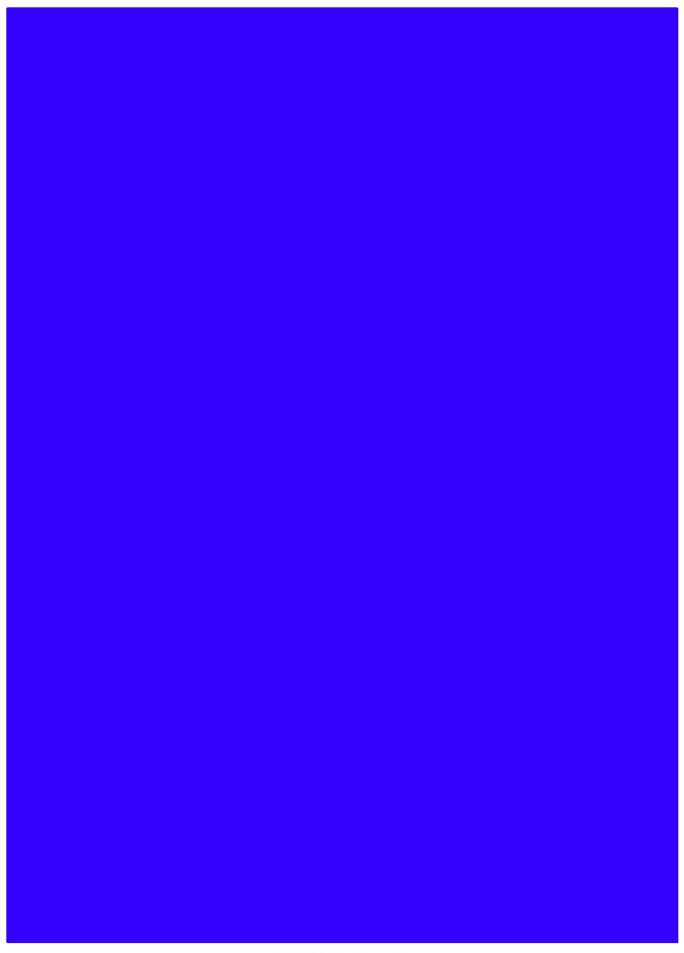
(b)(6); (b)(7)(C)

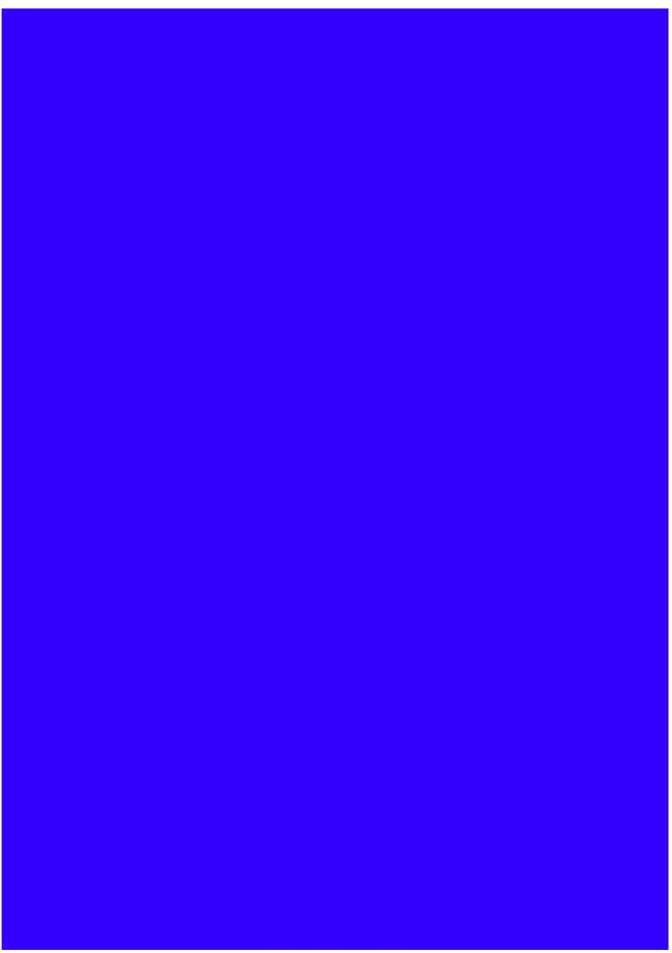
(A) Resident Agent in Charge Homeland Security Investigations Portland, Maine Office- 207-541 (b)(6); Mobile, 617-37

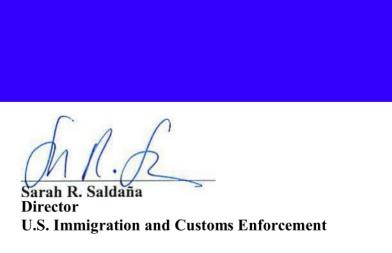
Mobile- 617-27. (b)(6); (b)(7)(C)











From: **HSI AD Message** 

30 Sep 2016 10:06:01 -0400 Sent:

To: #HSI-All Personnel

Subject: (b)(7)(E) Policy Guidance for HSI Special Agents and Task

**Force Officers** 



If you have any questions regarding this new guidance, please contact ICE OPLA Criminal Law Section Chief at (202) 732 (703) 877

MATT

Matthew C. Allen Assistant Director, Investigative Programs Homeland Security Investigations

# ICE

# Summary Approved Hardware List & Order Form

This order form is for the sole purpose of generating a bill of materials and the associated cost estimate. Using the tabs listed on the bottom of the spreadsheet, select the proper spreadsheet to locate the hardware you are looking to purchase. Select the spreadsheet and enter the quantity required, the form will auto populate the costs and will provide a total cost estimate at the top of the worksheet. The summary page will calculate the totals from all tabs and if you need assistance or have questions about filling out this form, please send an email to ICE OCIO ITSR mailbox.

PRJ0028514 Requisition Number: Form Completed By: b)(7)(C) Telephone Number: Order POC: Order POC Telephone Number: September 24, 2019 Desired Delivery Date: ICE Site Name: Portland ME HSI ICE Site Address: One City Center, Portland ME POC at ICE Site: Site POC Telephone Number: Site POC Fax Number: \$0.00 File Server Total Cost: \$9,850.00 Printer / Scanner Total Cost: \$1,379.00 Desktop / Laptop Total Cost: \$0.00 Storage Drive Total Cost: \$0.00 TACCOM Radio \$0.00 Special Purpose Equipment: \$11,229.00 Total Cost

(b)(6); (b)(7)(C)

| l otal Cost                            | \$11,229.00   |            |
|--|---|------------|
| Description                            | Comments  | Costs      |
| File Server / Rack / Tape Drives       | Write your comments below.  | \$0.00     |
| Dell PowerEdge R740 Server #1          |   | \$0.00     |
| Dell PowerEdge R740 Server #2          |   | \$0.00     |
| Dell PE R740 Web App Server #3         |   | \$0.00     |
| Dell PowerEdge T640 Server #4          |   | \$0.00     |
| Dell PowerEdge R340 Server #5          |   | \$0.00     |
| Tape Media for LTO6 (T640 Server)      |   | \$0.00     |
| Windows Server License                 | Windows Server Standard License ICE Enrollment # 5187622                  | \$0.00     |
| APC NetShelter Full Height Rack #1     | KVM switch, KMM, 3000W UPS  | \$0.00     |
| APC NetShelter Full Height Rack #2     | KVM Switch, KMM,2200W UPS   | \$0.00     |
| APC NetShelter Half Height Rack        | KVM Switch, KMM, 2200W UPS  | \$0.00     |
| Dell PowerVault TL1000 (LTO-6) #1      |   | \$0.00     |
| Tape Media PowerVault #1               |   | \$0.00     |
| Dell EMC ML3 (LTO-6) #2                |   | \$0.00     |
| Tape Media EMC ML3 #2                  |   | \$0.00     |
| Uninterruptible Power Supply           | Tripp Lite UPS  | \$0.00     |
| Qlogic 2560                            | single port HBA cards for connectivity to Fiber Channel (Quantity 2)      | \$0.00     |
| Server Backup Software                 | Symantec NetBackup Server Perpetual License and Maintenance               | \$0.00     |
| Printers and Scanners                  | Write your comments below.  | \$9,850.00 |
| HP Printers Color                      | Laserjet printers / warranty / USB cable / print cartridges               | \$0.00     |
| HP Printers Black and White            | Laserjet printers / warranty / USB cable / print cartridges               | \$0.00     |
| HP Plotters                            | Plotters / warranty / USB cable / print cartridges                        | \$0.00     |
| Multifunction Printers Color           | Multifunction Laserjet printers / warranty / USB cable / print cartridges | \$0.00     |
| Multifunction Printers Black and White | Multifunction Laserjet printers / warranty / USB cable / print cartridges | \$0.00     |
| Scanners                               | Scanners / warranty / USB cable / print cartridges                        | \$0.00     |
|  |   |            |
| Desktops and Laptops                   | Write your comments below   | \$1,379.00 |
| ICE Approved Workstations - BPA        | Desktops / Laptops / Tablets and Accessories                              | \$1,379.00 |
| Storage Drives                         | Write your comments below.  | \$0.00     |
| External Storage Drives                | Portable Storage Drives (Encrypted)                                       | \$0.00     |
| Blu-Ray R/W Device                     | Windows and Mac Compatible - USB3 Device                                  | \$0.00     |
| Special Purpose Equipment              | Write your comments below.  | \$0.00     |
|  | Handheld scanners, Datamax printers and accessories                       | \$0.00     |
| (D)(7)(E)                              |   | \$0.00     |
| (D)(1)(C)                              |   | \$0.00     |
|  |   | \$0.00     |
|  |   | φ0.00      |

8/16/2019

| ICE<br>Estimated<br>Cost | SKU                    | Description                             | Quantity | Cost |
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|                          |                        | ICE Approved Hardware List & Order Form |          |      |
|                          | Requisition Number:    | PRJ0028514                              |          |      |
|                          | Form Completed By:     | (b)(6); (b)(7)(C)                       |          |      |
|                          | Telephone Number:      |   |          |      |
|                          | Order POC:             |   |          |      |
|                          | Telephone Number:      |   |          |      |
|                          | Desired Delivery Date: | September 24, 2019                      |          |      |
|                          | ICE Site Name:         | Portland ME HSI                         |          |      |
|                          | ICE Site Address:      | One City Center, Portland ME            |          |      |
|                          | POC at ICE Site:       | (b)(6); (b)(7)(C)                       |          |      |
|                          | Telephone Number:      |   |          |      |
|                          | POC Fax Number:        | ·                                       |          |      |
|                          | Total Cost:            | \$0.00                                  |          |      |

Note: Microsoft Server licenses are not included in the prices below but may be required. See which process your order follows to determine if you need to purchase Microsoft Server license A) The File and Print (F&P) server is new to the site

- You will need to purchase Microsoft licensing for this server

- B) The F&P server is replacing a F&P server currently being used in the field

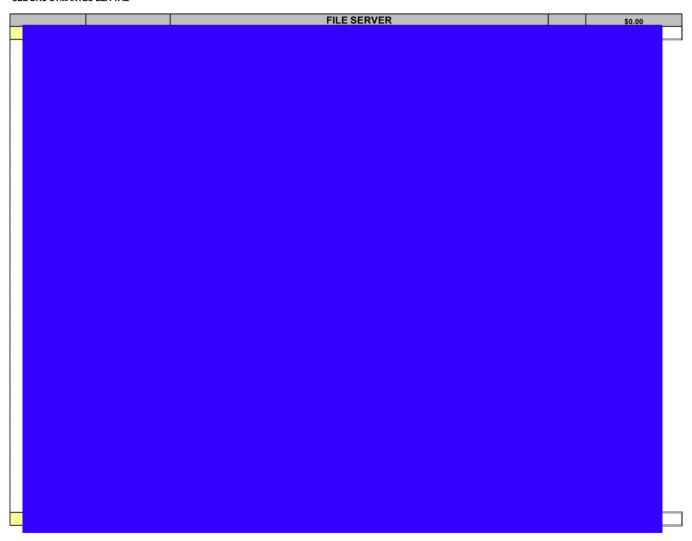
The local server must enter the federal excess process in order for the Microsoft server license to transfer to the new equipment. If you wish to continue using the current server elsewhere the additional Microsoft server licenses will need to be ordered. SEE DHS MS ELA TAB

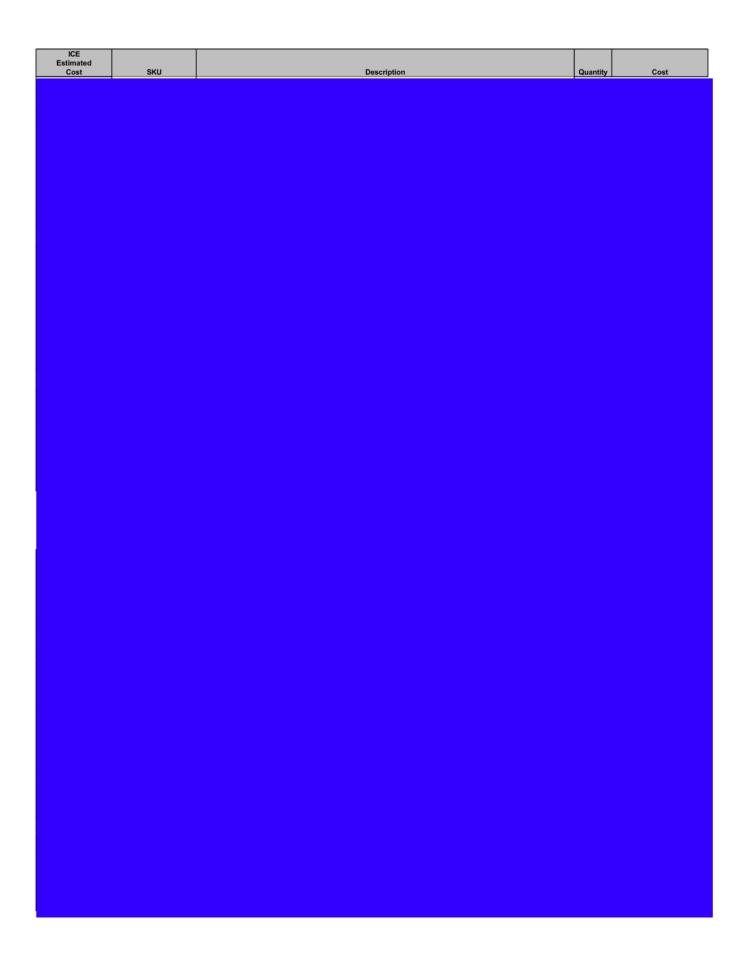
Note: A Capacity Licensing Agreement with Symantec has been established with ICE for F&P servers managed by ITFO, to install Veritas Netbackup software. For Non-F&P servers, Syman Netbackup licenses are not included in the prices below but may be required for server backups. See the number of processors in your server to determine what tier of Netbackup licenses to purchase.

- A) Servers with one processor would be considered a Tier 1 server.

  B) Servers with two or more processors would be considered a Tier 2 server.

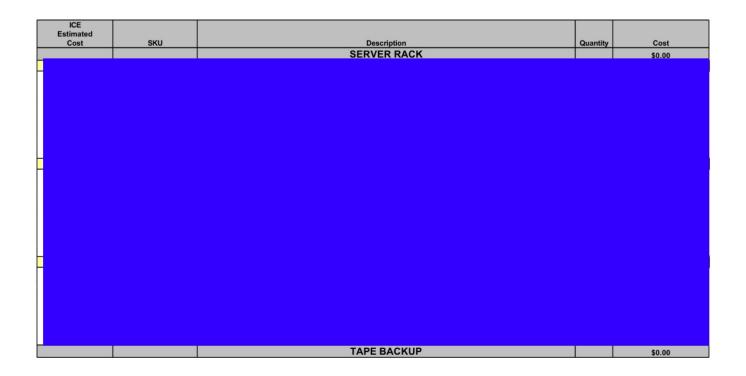
## SEE DHS SYMANTEC ELA TAB

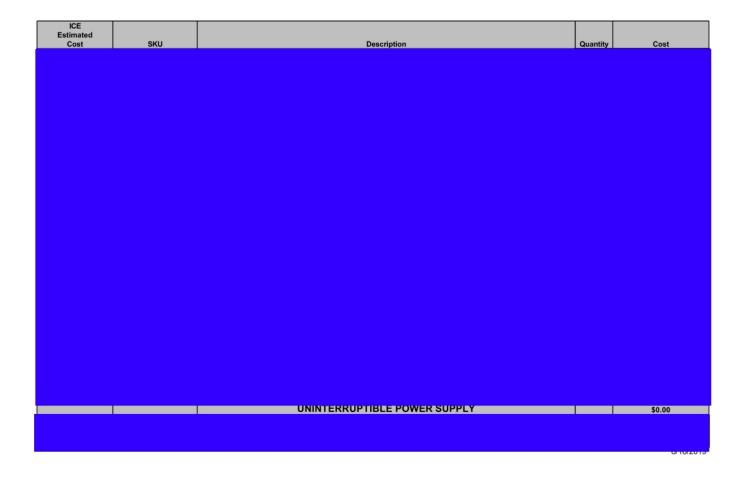


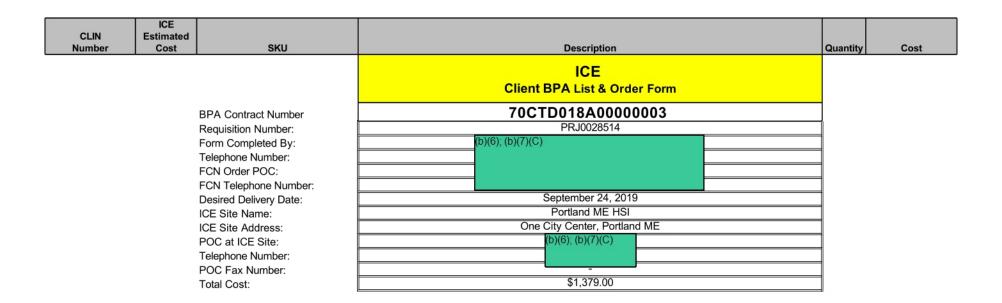


| ICE<br>Estimated<br>Cost | sku | Description | Quantity | Cost |
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| ICE<br>Estimated<br>Cost | SKU | Description | Quantity | Cost |
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Please note the following information on ordering:

- 1) The prices listed below are only valid for machines being purchased for use on the ICE Network. If purchasing machines to be used for covert, undercover, or other technical operations and not to be connected to the ICE Network please contact your programs Mission Support Specialist for pricing information.
- 2) The prices listed below are only valid if purchased with a requisition (Form G-514).
- 3) Microsoft Office 365 licenses may not be required when purchasing workstations. See which process your order follows to determine if you need to request Microsoft licenses.
- A) When the computer is for an Existing user
- You will NOT need to request Microsoft licensing for this computer
- B) When the computer is for a New user the following rules apply
- Workstation purchased for 9 or less New users does NOT require a request for a Microsoft license.
- Workstations purchased for 10 or more New users must contact the ICE Office 365 License Coordinator (Phillip.H.Pham@ice.dhs.gov) for approval. Attach approval email to this request.
- 4) All P-Card purchases will incur a 3% increase in cost up to \$105.
- 5) All laptops and desktops purchased using the HP BPA will have the most current ICE image loaded.
- 6) All OCONUS purchases will incur shipping costs plus 3% handling fee(up to \$250 on handling fee).

### **Contract Office Instructions Only**

This single-award BPA was competed among different GSA contract holders. Taking no exceptions to any brand name or requirements, this award was set-aside for small business within the GSA scheduled holder framework. This BPA award satisfied all competition and small business requirements. FCN INC. was awarded this contract / BPA.

- -When placing orders/calls; Please reference the Contract number given to this BPA 70CTD018A0000003, and place this as a CALL against this contract number(70CTD018A00000003)
- -In your CLINS reference the equipment number you require (SE) and Accessory (P), and state which model you prefer.
- -Reference the contract terms of 70CTD018A0000003 are applicable to this CALL only.
- -FCN Contact Person(POC) Gil Van Schoor at; gil.vanschoor@fcnit.com/ 443-857-6779

# HIGH PERFORMANCE LAPTOPS Zbook 15" High Performance Laptop - Base Unit

| CLIN<br>Number | ICE<br>Estimated<br>Cost | sku | Description   | Quantity | Cost |
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|                |                          |     | Zbook 15" High Performance Laptop Computer Enhanced |          |      |
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| CLIN<br>Number | ICE<br>Estimated<br>Cost | sku | Description  | Quantity | Cost |
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|                |                          |     | Zbook 15" High Performance Laptop Computer 4K +Touch Screen  |          |      |
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| CLIN<br>Number | ICE<br>Estimated<br>Cost | SKU | Description  | Quantity | Cost   |
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|                |                          |     | Zbook 15" High Performance Laptop Computer Mid-Range Non-Network |          |        |
|                |                          |     |  | 0        | \$0.00 |
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|                |                          |     | Options for 15" High Performance Laptop                          |          |        |

| CLIN I<br>Number | ICE<br>Estimated<br>Cost | SKU | Description                                 | Quantity | Cost |
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|                  |                          |     | Zbook 17" High Performance Laptop Base Unit |          |      |
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| CLIN<br>Number | ICE<br>Estimated<br>Cost | ѕки | Description   | Quantity | Cost |
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|                |                          |     | Zbook 17" High Performance Laptop Computer Enhanced |          |      |
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| CLIN<br>Number | ICE<br>Estimated<br>Cost | sku | Description  | Quantity | Cost |
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|                |                          |     | 17" High Performance Laptop Computer Enhanced 4K +Touch Screen |          |      |
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| CLIN<br>Number | ICE<br>Estimated<br>Cost | sku | Description                             | Quantity | Cost |
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|                |                          |     | Options for 17" High Performance Laptop |          |      |
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| CLIN<br>Number | ICE<br>Estimated<br>Cost | ѕки  | Description  | Quantity | Cost |
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|                |                          |      | FWEIGHT / OTANDARD LARTORS                           |          |      |
|                |                          | LIGH | FroBook 640 Lightweight Laptop Base Unit             |          |      |
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|                |                          |      | Duo Dook 640 Limbturaimbt Louton Community Finhamand |          |      |
|                |                          |      | ProBook 640 Lightweight Laptop Computer Enhanced     |          |      |

| CLIN<br>Number | ICE<br>Estimated<br>Cost | SKU | Description                                   | Quantity | Cost |
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|                |                          |     | Options for HP ProBook 640 Lightweight Laptop |          |      |
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| stimated<br>Cost | SKU | Description   | Quantity | Cost |
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|                  |     | HP EliteBook 850 Standard Laptop Computer Base Unit     |          |      |
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|                  |     | HP EliteBook 850 Standard Laptop Computer Enhanced Unit |          |      |
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| CLIN<br>Number | ICE<br>Estimated<br>Cost | ѕки | Description                            | Quantity | Cost |
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|                |                          |     | Options for HP EliteBook 850 Laptop    | ,        |      |
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| CLIN<br>Number | ICE<br>Estimated<br>Cost | sкu | Description                                | Quantity | Cost |
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|                |                          |     |  |          |      |
|                |                          |     | RUGGED LAPTOPS                             |          |      |
|                |                          |     | GETAC S410 Rugged Laptop Computer          |          |      |
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|                |                          |     | GETAC S410 Rugged Laptop Computer Enhanced |          |      |
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| CLIN<br>Number | ICE<br>Estimated<br>Cost | sku | Description                              | Quantity | Cost |
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|                |                          |     | Options for GETAC Ruggized Computer      |          |      |
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|                |                          | HIG | H PERFORMANCE DESKTOPS                   |          |      |
|                |                          |     | Z6 G4 High Performance Desktop Base Unit |          |      |
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| CLIN<br>Number | ICE<br>Estimated<br>Cost | ѕки | Description                                | Quantity | Cost |
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|                |                          |     | Z6 G4 High Performance Desktop - Mid Range |          |      |
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|                |                          |     | Z6 G4 High Performance Desktop - Extended  |          |      |
|                |                          |     | 20 04 High Feriormance Desktop - Extended  |          |      |
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| CLIN<br>Number | ICE<br>Estimated<br>Cost | SKU | Description                                  | Quantity | Cost |
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|                |                          |     | Z8 G4 Extended Performance Desktop Base Unit |          |      |
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| CLIN<br>Number | ICE<br>Estimated<br>Cost | SKU | Description  | Quantity   | Cost |
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|                |                          |     | Z8 G4 Extended Performance Desktop Enhanced Unit       | - Lucinity |      |
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|                |                          | SI  | FF / MINI / MICRO DESKTOPS                             |            |      |
|                |                          |     | HP ProDesk 600 Small Form Factor Workstation Base Unit |            |      |
|                |                          |     |  |            |      |
|                |                          |     |  |            |      |
|                |                          |     |  |            |      |
|                |                          |     |  |            |      |
|                |                          |     |  |            |      |

| CLIN<br>Number | ICE<br>Estimated<br>Cost | SKU | Description   | Quantity | Cost |
|----------------|--------------------------|-----|---|----------|------|
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     | HP ProDesk 600 Small Form Factor Workstation Enhanced |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
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|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     | Small Form Factor Workstation Enhanced Plus           |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |

| CLIN<br>Number | ICE<br>Estimated<br>Cost | ѕки | Description   | Quantity | Cost |
|----------------|--------------------------|-----|---|----------|------|
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
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|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     | Options for HP Small Form Factor Desktop                | 17       |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     | HP ProDesk 600 MicroTower Desktop Workstation Base Unit |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |

| CLIN<br>Number | ICE<br>Estimated<br>Cost | SKU | Description   | Quantity | Cost |
|----------------|--------------------------|-----|---|----------|------|
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     | HP ProDesk 600 MicroTower Desktop Workstation Mid-Range |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     | HP ProDesk 600 MicroTower Desktop Workstation Enhanced  |          |      |
|                |                          |     | THE PROBLEM COMMISSION DESKLOP WORKStation Emilanced    |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |

| CLIN<br>Number | ICE<br>Estimated<br>Cost | SKU | Description                                       | Quantity | Cost |
|----------------|--------------------------|-----|---|----------|------|
|                |                          |     |   |          |      |
|                |                          |     | Options for HP MicroTower Desktop                 | 1        |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     | HP ProDesk 600 Mini-Desktop Workstation Base Unit |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
|                |                          |     |   |          |      |
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|                |                          |     |   |          |      |
|                |                          |     | HP ProDesk 600 Mini-Desktop Workstation Enhanced  |          |      |
|                |                          |     |   |          |      |

| CLIN<br>Number | ICE<br>Estimated<br>Cost | sku | Description                 | Quantity | Cost |
|----------------|--------------------------|-----|-----------------------------|----------|------|
|                |                          |     |                             |          |      |
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|                |                          |     |                             |          |      |
|                |                          |     |                             |          |      |
|                |                          |     |                             |          |      |
|                |                          |     | Options for HP Mini Desktop |          |      |
|                |                          |     |                             |          |      |
|                |                          |     |                             |          |      |
|                |                          |     |                             |          |      |
|                |                          |     |                             |          |      |
|                |                          |     |                             |          |      |
|                |                          |     | TABLETS                     |          |      |
|                |                          |     | Standard WindowsTablet      |          |      |
|                |                          |     |                             |          |      |
|                |                          |     |                             |          |      |

| CLIN<br>Number | ICE<br>Estimated<br>Cost | SKU | Description               | Quantity | Cost |
|----------------|--------------------------|-----|---------------------------|----------|------|
|                |                          |     |                           |          |      |
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|                |                          |     |                           |          |      |
|                |                          |     |                           |          |      |
|                |                          |     |                           |          |      |
|                |                          |     | Performance WindowsTablet |          |      |
|                |                          |     |                           |          |      |
|                |                          |     |                           |          |      |
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|                |                          |     |                           |          |      |
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| CLIN<br>Number | ICE<br>Estimated<br>Cost | ѕки | Description                          | Quantity | Cost |
|----------------|--------------------------|-----|--------------------------------------|----------|------|
|                |                          |     |                                      |          |      |
|                |                          |     |                                      |          |      |
|                |                          |     |                                      |          |      |
|                |                          |     |                                      |          |      |
|                |                          |     | Options For HP EliteBook 830 x360 G6 |          |      |
|                |                          |     |                                      |          |      |
|                |                          |     |                                      |          |      |
|                |                          |     |                                      |          |      |
|                |                          |     |                                      |          |      |
|                |                          |     |                                      |          |      |
|                |                          |     |                                      |          |      |
|                |                          |     |                                      |          |      |
|                |                          |     | ACCESSORIES                          |          |      |
|                |                          |     | General Computer Options\Accessories |          |      |
|                |                          |     |                                      |          |      |
|                |                          |     |                                      |          |      |
|                |                          |     |                                      |          |      |

| CLIN<br>Number | ICE<br>Estimated<br>Cost | SKU | Description | Quantity | Cost |
|----------------|--------------------------|-----|-------------|----------|------|
|                |                          |     |             |          |      |
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| CLIN<br>Number | ICE<br>Estimated<br>Cost | SKU | Description | Quantity | Cost |
|----------------|--------------------------|-----|-------------|----------|------|
|                |                          |     |             |          |      |
|                |                          |     |             |          |      |
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| CLIN<br>Number | ICE<br>Estimated<br>Cost | SKU | Description | Quantity | Cost      |
|----------------|--------------------------|-----|-------------|----------|-----------|
|                |                          |     |             |          |           |
|                |                          |     |             |          |           |
|                |                          |     |             |          | 8/16/2019 |

| SKU                                  | Description  | Quantity | Cost   |
|--------------------------------------|--|----------|--------|
|                                      | ICE Approved Hardware List & Order Form PRJ0028514 |          |        |
| Requisition Number:                  | PRJ0028514   |          |        |
| Form Completed By:                   | (b)(6); (b)(7)(C)                                  |          |        |
| Telephone Number:<br>Order POC:      |  |          |        |
| Telephone Number:                    |  |          |        |
| Desired Delivery Date:               | September 24, 2019                                 |          |        |
| ICE Site Name:                       | Portland ME HSI                                    |          |        |
| ICE Site Address:                    | One City Center, Portland ME                       |          |        |
| POC at ICE Site:                     | (b)(6); (b)(7)(C)                                  |          |        |
| Telephone Number:<br>POC Fax Number: | ·  |          |        |
| Total Cost:                          | \$0.00   |          |        |
| Total Goot.                          | PRINTERS   |          |        |
|                                      | PRINTER COLOR                                      |          | \$0.00 |
|                                      | T KINTER GOEGIC                                    |          | \$0.00 |
|                                      |  |          |        |
|                                      |  |          |        |
|                                      | PRINTER BLACK and WHITE                            |          | \$0.00 |
|                                      | PRINTER BLACK and WHITE                            |          | \$0.00 |
|                                      | PRINTER BLACK and WHITE                            |          | \$0.00 |
|                                      | PRINTER BLACK and WHITE                            |          | \$0.00 |
|                                      | PRINTER BLACK and WHITE                            |          | \$0.00 |
|                                      | PRINTER BLACK and WHITE                            |          | \$0.00 |

| ICE<br>Estimated<br>Cost | ѕки | Description                        | Quantity | Cost    |
|--------------------------|-----|------------------------------------|----------|---------|
|                          |     |                                    |          |         |
|                          |     |                                    |          |         |
|                          |     | MULTIFUNCTION DEVICE PRINTER Color |          |         |
|                          |     | Print, Scan, Copy                  | -        | \$0.00  |
|                          |     |                                    |          |         |
|                          |     |                                    |          |         |
|                          |     |                                    |          |         |
|                          |     |                                    |          |         |
|                          |     | SCANNERS                           |          | \$0.00  |
|                          |     |                                    |          |         |
|                          |     |                                    |          |         |
|                          |     |                                    |          |         |
|                          |     |                                    |          |         |
|                          |     |                                    |          |         |
|                          |     |                                    |          | 8/16/20 |

| ICE<br>Estimated<br>Cost | SKU  | Description                            | Quantity | Cost      |                      |
|--------------------------|--|--|----------|-----------|----------------------|
|                          | Requisition Number: Form Completed By: Telephone Number: Order POC: Telephone Number: Desired Delivery Date: ICE Site Name: ICE Site Address: POC at ICE Site: Telephone Number: POC Fax Number: IDENT Total Cost: | CE Approved Hardware List & Order Form |          |           | (b)(6);<br>(b)(7)(C) |
|                          |  |  |          | 8/16/2018 | 9                    |

| ICE Estimated Cost SKU | Description  | Quantity Cost        |
|------------------------|--|----------------------|
|                        | ICE Approved Hardware List & Order Form                              |                      |
| Requisition Number:    | PRJ0028514   |                      |
| Form Completed By:     | (b)(6);  |                      |
| Telephone Number:      |  |                      |
| Order POC:             | (b)(7)(C)  |                      |
| Telephone Number:      |  |                      |
| Desired Delivery Date: | September 24, 2019   |                      |
| ICE Site Name:         | Portland ME HSI  |                      |
| ICE Site Address:      | One City Center, Portland ME   |                      |
| POC at ICE Site:       | (b)(6);  |                      |
| Telephone Number:      | <u>/h\/7\/∩\</u>   |                      |
| POC Fax Number:        | -<br>#4.000.00   |                      |
| Total Cost:            | \$4,600.00   |                      |
| NOTF: ICF-Standards ha | annroved the items listed on this spreadsheet for HSI Agents only. F | or any Non HSI Agent |

2021-ICLI-00025 1047

| CLIN<br>Number | ICE<br>Estimated<br>Cost | SKU  | Description   | Quantity | Cost   |
|----------------|--------------------------|--|---|----------|--------|
|                | ,                        |  | ICE<br>Client BPA List & Order Form                             |          |        |
|                |                          | Requisition Number:                                  | HSHQDC-11-A-00042<br>PRJ0028514                                 |          |        |
|                |                          | Form Completed By:<br>Telephone Number:              | (b)(6);<br>(b)(7)(C)  |          |        |
|                |                          | Order POC:<br>Telephone Number:                      |   |          |        |
|                |                          | Desired Delivery Date:<br>ICE Site Name:             | September 24, 2019 Portland ME HSI One City Center, Portland ME |          |        |
|                |                          | ICE Site Address: POC at ICE Site: Telephone Number: | (b)(6); (b)(7)(C)   |          |        |
|                |                          | POC Fax Number:<br>Tier 1 License Cost:              | \$0.00  |          |        |
|                |                          | Tier 2 License Cost:<br>Total Cost:                  | \$0.00<br>\$0.00  |          |        |
|                |                          | Tier 1   | SERVER BACKUP SOFTWARE  |          | \$0.00 |
|                |                          |  |   |          |        |
|                |                          |  |   |          |        |

| CLIN   | ICE<br>Estimated |  |  |          |             |
|--------|------------------|--|--|----------|-------------|
| Number | Cost             | SKU                                      | Description  | Quantity | Cost        |
|        |                  |  | ICE  |          |             |
|        |                  |  | Client BPA List & Order Form                               |          |             |
|        |                  |  |  |          |             |
|        |                  |  | HSHQDC-15-A-00017  |          |             |
|        |                  | Requisition Number:                      | PRJ0028514   |          |             |
|        |                  | Form Completed By:                       | (b)(6); (b)(7)(C)  |          |             |
|        |                  | Telephone Number:                        |  |          |             |
|        |                  | Order POC:                               |  |          |             |
|        |                  | Telephone Number:                        | September 24, 2019   |          |             |
|        |                  | Desired Delivery Date:<br>ICE Site Name: | Portland ME HSI  |          |             |
|        |                  | ICE Site Address:                        | One City Center, Portland ME                               |          |             |
|        |                  | POC at ICE Site:                         | (b)(6); (b)(7)(C)  |          |             |
|        |                  | Telephone Number:                        | (D)(O), (D)(1)(O)  |          |             |
|        |                  | POC Fax Number:                          | · ·  |          |             |
|        |                  | Standard Edition Cost:                   | \$0.00   |          |             |
|        |                  | Datacenter Edition Cost:                 | \$0.00   |          |             |
|        |                  | Total Cost:                              | \$0.00   |          |             |
|        |                  | Standard                                 | Microsoft Licenses must reference ICF Enrollment # 5187622 |          |             |
|        |                  |  |  |          |             |
|        |                  |  |  |          |             |
|        |                  | Datacenter                               | Microsoft Licenses must reference ICE Enrollment # 5187622 |          |             |
|        |                  |  |  |          |             |
|        |                  |  |  |          | 9/4/4/9/040 |

8/16/2019

| ICE<br>Estimated<br>Cost | SKU                                  | Description                             | Quantity | Cost      |
|--------------------------|--------------------------------------|---|----------|-----------|
|                          | •                                    | ICE Approved Hardware List & Order Form |          |           |
|                          | Requisition Number:                  | PRJ0028514                              |          |           |
|                          | Form Completed By:                   | (b)(6); (b)(7)(C)                       |          |           |
|                          | Telephone Number:                    | (-)(-)(-)(-)(-)                         |          |           |
|                          | Order POC:                           |   |          |           |
|                          | Telephone Number:                    |   |          |           |
|                          | Desired Delivery Date:               | September 24, 2019 Portland ME HSI      |          |           |
|                          | ICE Site Name:                       | One City Center, Portland ME            |          |           |
|                          | ICE Site Address:                    | (b)(6); (b)(7)(C)                       |          |           |
|                          | POC at ICE Site:                     | (b)(0), (b)(1)(C)                       |          |           |
|                          | Telephone Number:<br>POC Fax Number: |   |          |           |
|                          | Storage Device                       | \$0.00                                  |          |           |
|                          | Blu-Ray Device                       | \$0.00                                  |          |           |
|                          | Total Cost:                          | \$0.00                                  |          |           |
|                          |                                      | FIPS 140-2 Portable Storage Devices     |          | \$0.00    |
|                          |                                      |   |          |           |
|                          |                                      | External Blu-Ray R/W Device             |          | \$0.00    |
|                          |                                      |   |          | 8/16/2019 |

| Cost | SKU                                  | Description  | Quantity  | Cost |
|------|--------------------------------------|--|-----------|------|
|      | 5.10                                 | ICE Approved Hardware List & Order Form            | - Lauring | 5551 |
|      | Requisition Number:                  | ICE Approved Hardware List & Order Form PRJ0028514 | 1         |      |
|      | Form Completed By:                   | (b)(6); (b)(7)(C)                                  |           |      |
|      | Telephone Number:                    |  |           |      |
|      | Order POC:<br>Telephone Number:      |  | -         |      |
|      | Desired Delivery Date:               | September 24, 2019                                 | 1         |      |
|      | ICE Site Name:                       | Portland ME HSI                                    |           |      |
|      | ICE Site Address:                    | One City Center, Portland ME                       |           |      |
|      | POC at ICE Site:                     | (b)(6); (b)(7)(C)                                  |           |      |
|      | Telephone Number:<br>POC Fax Number: |  | 4         |      |
|      | Total Cost:                          | \$0.00   | 1         |      |
|      | Total Goot.                          | SPECIAL PURPOSE EQUIPMENT                          |           |      |
|      |                                      |  |           |      |
|      |                                      |  |           |      |
|      |                                      |  |           |      |

| Number        | Estimated<br>Cost | SKU                                   | Description                                  | Quantity    | Cost |
|---------------|-------------------|---------------------------------------|--|-------------|------|
|               |                   | Requisition Number:                   | PRJ0028514                                   |             |      |
|               |                   | Form Completed By: Telephone Number:  | (b)(6); (b)(7)(C)                            | <del></del> |      |
|               |                   | TACCOM POC:                           |  |             |      |
|               |                   | TACCOM Telephone Number:              |  |             |      |
|               |                   | Desired Delivery Date:                | September 24, 2019                           |             |      |
|               |                   | ICE Site Name:                        | Portland ME HSI One City Center, Portland ME |             |      |
|               |                   | ICE Site Address: POC at ICE Site:    | (b)(6); (b)(7)(C)                            |             |      |
|               |                   | Telephone Number:                     |  |             |      |
|               |                   | POC Fax Number:                       | \$0.00                                       |             |      |
| llagge note t | the fell          | Total Cost:<br>owing information on o | · · · · · · · · · · · · · · · · · · ·        |             |      |
| riease note t | the folio         | owing information on t                | ordering.                                    |             |      |
| l) Requests f | for quo           | tes and procurement                   | should be directed to (b)(6); (b)(7)(C)      |             |      |



