

#### Includes:

Manufacturer: Haworth - Premise

- Qty. I

- Premise 8x8 Workstation (64 sq.

Manufacturer: Haworth - Zody

- Qty. I

- Task Chair

- Fabric Seat & Mesh Back

- Metal Base

Manufacturer: Haworth -Improv

- Qty. I

- Guest Chair

- Fabric Seat & Back

- Metal Frame



\*Images for Reference Only -Finishes not Specific to ICE





**ICE** W/S-S-64 8X8 Workstation DATE: 8.08.17 SCALE: NTS DESIGNER: CJM FILENAME: PROPOSAL: ... REVISION:





1515 Holcomb Woods Parkway Roswell, GA 30076 Phone: 770-641-2640





From:

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

Sent:

27 Jan 2020 19:42:58 +0000

To:

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

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

Subject:

FW: ERO Scarborough- 75% Review Comments Responses

Attachments:

75% ICE Scarborough ME Drawing Comment- Review Log (1.17.20).xlsx, 429000

- GSA Ice - SITE.pdf

To all,

Attached please find comments responses and site drawings for our meeting tomorrow.

Thank you,

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

MA. NCARB. SAME. Intl. Assoc. AIA. Region 1 | OAFM Project Manager Office of Asset and Facilities Management

FMD|OAFM|DHS|ICE

500 12<sup>th</sup> Street SW. (b)(6), (b)(7)(C)

Washington, DC 20536 O:305-597 (b)(6) C: 202-754(b)(7)(C)

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

Sent: Monday, January 27, 2020 1:06 PM

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

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

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

Subject: 75% Review Comments Responses

& all

Please see the draft responses to the 75% Review Comments as well as the current civil/site drawings for the property at 40 Manson Libby Rd in Scarborough.

We can discuss these both tomorrow.

Let me know if you have any questions.

Thank you

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

AIA, NCARB

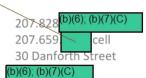
ARCHITECT, FIRM ASSOCIATE

Maine Licensed Architect

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

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





Portland, ME 04101 <u>wbrcae.com</u> | <u>Facebook</u> | <u>LinkedIn</u> | <u>Twitter</u>

( Project De	esign Review Commen Project Title: ICE - ERO	O Scarborough ME	T	Location:	ME				
							Reviewers Comments		Concurrance
DID/CD	% Drawing Commen	Reviewer Name	Reviewer Organization	Date of Comments	Drawing / Specification Ref. #	Room / Detail #	Neviewers Comments	Architect / Engineer Response	with A-E
	Number		Organization	Comments	Specification Ref. #				Response
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Review	7								
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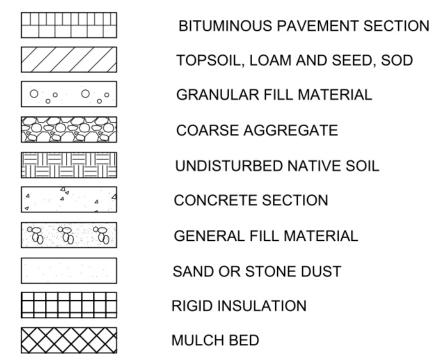




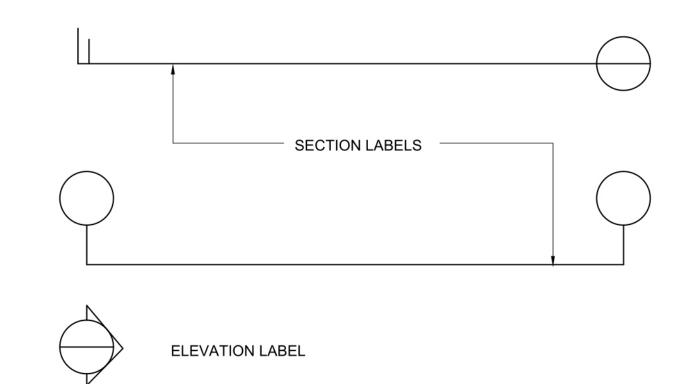


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#### SYMBOLS



SPOT ELEVATION REFERENCE INDEX



#### REMOVALS NOTES

- 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

OFFSITE AND IN CONFORMANCE WITH LOCAL AND STATE ORDINANCES

R5 TREE CANOPY AS SHOWN ON PLANS ARE APPROXIMATE AND SHOULD

BE FIELD VERIFIED BY THE SITE CONTRACTOR

LAYOUT NOTES

PROPOSED MARKINGS.

#### 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

- G1 TOPOGRAPHIC INFORMATION BASED ON A SURVEY BY SPURWINK SURVEYING.
- 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 DISTRICT
  - 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)

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 ACP ADD. ALT. AE ARCH.	DIAMETER ASBESTOS CEMENT PIPE ADDITIVE ALTERNATE BID ITEM AERIAL ELECTRIC ARCHITECTURAL
B.C. BIT. BLDG. BOT. BW	BOTTOM OF CURB BITUMINOUS BUILDING BOTTOM BOTTOM OF WALL
© CB C.I. C.I.P. CMP	CENTERLINE CATCH BASIN CAST IRON, CONTRACTOR INST'I CAST IN PLACE CORRUGATED METAL PIPE, CENTRAL MAINE POWER CENTER
C.O. CONC. CPP CTV CFS	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 E.P. E.L. ELEV. EQ. EXIST. EXP.	EAST EDGE OF PAVEMENT ELEVATION EQUAL EXISTING EXPANSION
FD F.G. F.H. FIN. F.F. FPM FT. FTG.	FOOTING DRAIN FINISH GRADE FIRE HYDRANT FINISH FINISH FLOOR FEET PER MINUTE FEET FOOTING
GA. GALV. GPM GRAN G.V. G	GAUGE GALVANIZED GALLONS PER MINUTE GRANULAR GATE VALVE GAS
H.C. HDPE HORIZ., HOR. HPS HMA	HANDICAP HIGH DENSITY POLYETHYLENE HORIZONTAL HIGH PRESSURE SODIUM HOT MIX ASPHALT
I.D. I.E. INV. INSUL.	IDENTIFICATION, INSIDE DIAMETI INVERT ELEVATION INVERT INSULATION
LBS. LED LF LPS 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 SECONDAI NEW UNDERGROUND SECONDAI NEW WATER LINE
OC OS/OI OE OHW	ON CENTER OWNER SUPPLIED/OWNER INST' OVERHEAD ELECTRIC 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 POLYVINYL CHLORIDE
R RCP REQ'D	RADIUS REINFORCED CONCRETE PIPE REQUIRED
S SS SCH SD SIM. SMH SPECS SQ.	SEWER SANITARY SEWER SCHEDULE STORM DRAIN SIMILAR SEWER MANHOLE SPECIFICATIONS SQUARE

95% CD REVIEW DESCRIPTION DATE

ARCHITECTS · ENGINEERS TEMPORARY BENCH MARK WWW.WBRCAE.COM

TOP OF WALL TOP OF CURB **TEMPORARY** THICK **TELEVISION** TYPICAL

TOP OF SLAB UNDERGROUND ELECTRIC UNDERGROUND SECONDARY UNDERGROUND PRIMARY

STATION

STYRO.

TEL

T.O.W.

TEMP.

VERT., VER.

W/O

WSO

W.W.F.

WV

THK.

SQUARE FEET

STYROFOAM

TELEPHONE

VERTICAL

WATER WITH WITHOUT WATER SHUTOFF (CURB STOP OR GATE VALVE) WELDED WIRE FABRIC WATER SHUT OFF / GATE VALVE

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 GENERAL NOTES & **ABBREVIATIONS** 

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

2021-ICLI-00025 726

#### LEGEND #5 REBAR WITH PLASTIC CAP STAMPED #2028 SET APRIL 4, 2017 FOUND IRON PIPE (SIZE & TYPE AS NOTED) FOUND PINCHED IRON PIPE FOUND MONUMENT (SIZE & TYPE AS NOTED) $\odot$ FOUND DRILL HOLE FOUND IRON ROD FOUND CAPPED IRON ROD (NUMBER AS NOTED) UTILITY POLE (NUMBER AS NOTED) GUY WIRE ANCHOR $\Diamond$ FIRE HYDRANT SHRUB BOUNDARY LINE EASEMENT LINE EDGE OF PAVEMENT RIGHT-OF-WAY LINE ABUTTER LINE SETBACK LINE TREE LINE OVERHEAD UTILITY ----- OHU------\_\_\_\_s\_\_ SEWER LINE WATER LINE \_\_\_\_\_w\_\_\_ \_\_\_\_\_ G \_\_\_\_ GAS LINE N/F NOW OR FORMERLY OWNED BY DEED BOOK AND PAGE (CCRD) 1234/567 12-3-45 TAX MAP-BLOCK-LOT (123.45') PARENTHESIS DENOTE RECORD DATA NOTES 1. THE BASIS OF BEARING FOR THIS SURVEY IS MAINE STATE GRID, WEST ZONE ACQUIRED BY GPS MEASURMENT. ELEVATIONS AND CONTOURS ARE REFERENCED TO 2. DEED AND PLAN BOOK REFERENCES ARE TO THE CUMBERLAND COUNTY REGISTRY OF RECORD OWNERSHIP OF THE PARCEL SURVEYED CAN BE FOUND IN A DEED FROM AXE CAP, LLC TO AEY LLC DATED APRIL 15, 2019 AND RECORDED IN DEED BOOK 35578, PAGE 111. 4. REFERENCE IS MADE TO THE FOLLOWING PLANS: a. "PLAN OF PROPERTY IN SCARBOROUGH, MAINE MADE FOR GREATER PORTLAND BUILDING FUND" BY H.I. & E.C. JORDAN DATED MAY, 1980 AND RECORDED AT CUMBERLAND COUNTY REGISTRY OF DEEDS IN PLAN BOOK 127, PAGE 37. 5. THE PARCEL SURVEYED IS IDENTIFIED ON THE TOWN OF SCARBOROUGH TAX ASSESSOR'S MAP R62, PARCEL 22. 6. THE PARCEL SURVEYED IS LOCATED IN THE "I" ZONE/DISTRICT\*. A PORTION OF THE PROPERTY IS IN THE RF ZONE. PORTIONS OF BULK AND SPACE REQUIREMENTS ARE MIN. FRONT SETBACK: 50 FEET MIN. SIDE SETBACK: THE GREATER OF 25 FEET OR 50% OF THE BUILDING HEIGHT MIN. REAR SETBACK: THE GREATER OF 25 FEET OR 50% OF THE BUILDING HEIGHT \*OTHER MUNICIPAL AND STATE OVERLAY ZONES MAY EXIST AND APPLY. BEFORE PROCEEDING ON ANY PROJECT WE RECOMMEND VERIFYING CURRENT ZONING / SETBACKS / RESTRICTIONS WITH THE APPROPRIATE AGENCIES. 7. MANSON LIBBY ROAD AND WASHINGTON AVENUE ARE ACCEPTED TOWN ROADS. THEIR LAYOUT AS SHOWN IS BASED ON PLAN REFERENCE 4.a.. 8. THE SURVEYED PARCEL CONTAINS 77,104 SQUARE FEET OR 1.77 ACRES. 9. THE UTILITIES SHOWN ON THIS PLAN WERE MARKED BY DIG SMART OF MAINE ON 11-15-2019 AND THEIR LOCATIONS ARE TO BE CONSIDERED APPROXIMATE. THERE MAY BE OTHER UTILITIES EXISTING THAT ARE NOT SHOWN. CONTRACTOR TO CONTACT DIG-SAFE (888)DIG-SAFE PRIOR TO ANY EXCAVATION WORK. Revision: By: Date: Change: DRAWING NAME: 201952-MRA.DWG PROJECT: 201952 SCALE: 1"=20' FB 13 YES E. FB YES DATE: NOVEMBER 8, 2019 FIELDED BY: (b) FIELD DATE: NOVEMBER 2019 DRAWN BY: (D) Drawing Name and Location: BOUNDARY SURVEY 40 MANSON LIBBY ROAD, SCARBOROUGH, MAINE 04074 AEY LLC 100 COMMERCIAL STREET, SUITE 214, PORTLAND, MAINE 04101 Prepared For: AEY LLC 100 COMMERCIAL STREET, SUITE 214, PORTLAND, MAINE 04101 182 SPURWINK ROAD, SCARBOROUGH, MAINE tel cell e-mail spurwinksurveying@gmail.com STAMP AND SIGNATURE PLS 2028 PLS 2028 PLS 2028 NOVEMBER 22, 2019

**JAMES** 

MULLEN

EMBOSSED SEAL ABOVE

IF THIS PLAN DOES NOT CONTAIN AN EMBOSSED SEAL, IT IS NOT AN ORIGINAL AND MAY BE VOID.

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 -----**----**PAVEMENT REMOVALS LIMITS OF CONSTRUCTION --LW------PROPERTY SETBACK PROPERTY LINE — - - — ABUTTING PROPERTY LINE TREE LINE 95% CD REVIEW REV. DESCRIPTION 40 MANSON LIBBY ROAD **GSA FITOUT** PROJECT: 40 MANSON LIBBY ROAD, SCARBOROUGH ME SITE REMOVALS PLAN 429000-SP101.DWG 4290.00 GRAPHIC SCALE: 1"=20' MLW SHEET No.

REMOVALS NOTES:

ACTIVITIES.

1. SEE NOTES R1 THROUGH R4 ON SHEET C-001 FOR

2. CLEARING LIMITS SHALL EXTEND ONLY TO SUCH A POINT NECESSARY TO COMPLETE EARTHWORK

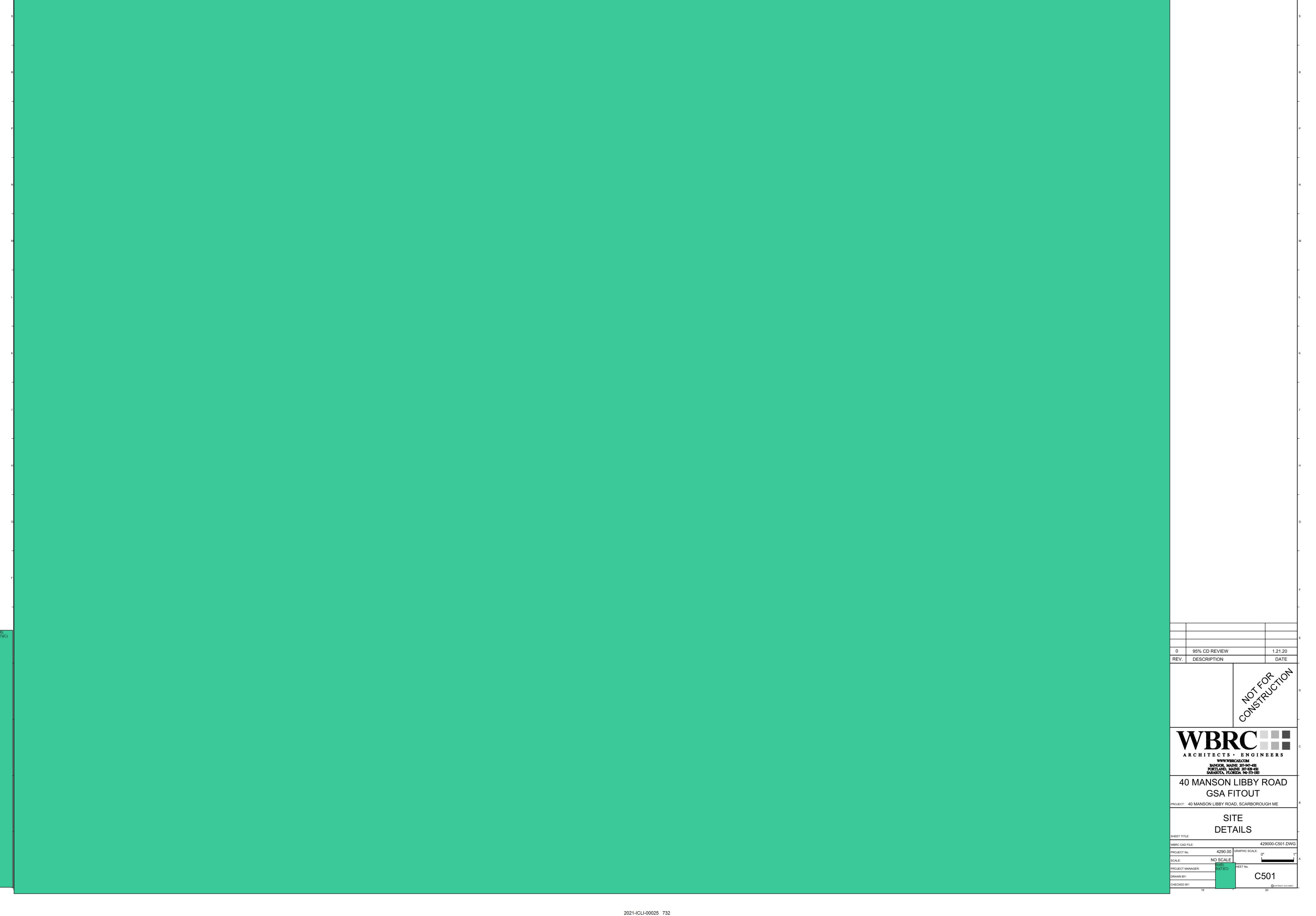
ADDITIONAL REMOVALS INFORMATION.

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== = = \_\_\_ CENTERLINE \_\_\_\_ ABUTTING PROPERTY LINE ↑ ↑ ↑ ↑ TREE LINE 95% CD REVIEW 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 4290.00 GRAPHIC SCALE: 2021-ICLI-00025 729

GRADING NOTES: 1. SEE NOTES G1 THROUGH G8 ON SHEET C-001 FOR ADDITIONAL GRADING INFORMATION. 2. ALL DISTURBED AREAS NOT RECEIVING PAVEMENT SHALL BE PROVIDED WITH LOAM AND SEED PER THE CONTRACT DOCUMENTS. 3. PROPOSED GRADING SHOWN ON THIS PLAN IS BASED ON A SURVEY BY SPURWINK SURVEYING DATED 11/08/19. 4. TEST PITS NOT PERFORMED AS PART OF THIS PROJECT. UTILITY POLE STREET LIGHTING **BUILDING LIGHTING** WATER SHUTOFF / GATE VALVE SEWER MANHOLE CATCH BASIN FIRE HYDRANT **----**PAVEMENT VERT. CONC. CURB CONTOURS SEDIMENTATION CONTROL FENCE TEMP. SILT INLET PROTECTION — - - — ABUTTING PROPERTY LINE TREE LINE 95% CD REVIEW REV. DESCRIPTION 40 MANSON LIBBY ROAD **GSA FITOUT** ROJECT: 40 MANSON LIBBY ROAD, SCARBOROUGH ME SITE GRADING PLAN 429000-SP101.DWG 4290.00 GRAPHIC SCALE: CG101

UTILITY NOTES: 1. SEE NOTES E1 THROUGH U8 ON SHEET C-001 FOR ADDITIONAL UTILITY INFORMATION. 2. ALL TRENCH EXCAVATION AND BACKFILL FOR ELECTRICAL SYSTEMS SHALL BE BY THE SITE CONTRACTOR. CONDUIT, PULL BOXES, RISER POLES, LIGHT BASES, ETC. SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. LIGHT BASES TO BE SET BY THE SITE CONTRACTOR. 3. SITE CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY PROPOSED WORK. LEGEND LIMITS OF WETLAND UTILITY POLE STREET LIGHTING BUILDING LIGHTING WATER SHUTOFF / GATE VALVE SEWER MANHOLE CATCH BASIN FIRE HYDRANT **|**=== SIDEWALK VERT. CONC. CURB \_\_\_NG\_\_\_\_ \_\_NW\_\_\_ \_\_NSD\_\_\_ \_\_NUD\_\_\_ \_\_NFD\_\_\_ GAS SERVICE / MAIN WATER SERVICE / MAIN STORM DRAIN UNDERDRAIN FOOTING DRAIN CLEANOUT − −SS− − SANITARY SEWER — −UE − − UNDERGROUND ELECTRIC — NUE — UNDERGROUND PRIMARY NUP - -OE - - AERIAL ELEC. / PRIMARY PROPERTY LINE — - - — ABUTTING PROPERTY LINE TREE LINE 95% CD REVIEW 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** ROJECT: 40 MANSON LIBBY ROAD, SCARBOROUGH ME SITE UTILITY PLAN 429000-SP101.DWG 4290.00 GRAPHIC SCALE: 2021-ICLI-00025 731



95% CD REVIEW DESCRIPTION ARCHITECTS · ENGINEERS

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BANGOR, MAINE 207-947-4511

PORTLAND, MAINE 207-828-4511

SARASOTA, FLORIDA 941-373-1583 40 MANSON LIBBY ROAD **GSA FITOUT** OJECT: 40 MANSON LIBBY ROAD, SCARBOROUGH ME SITE **DETAILS** 429000-C501.DWG 4290.00 GRAPHIC SCALE: NO SCALE

From:

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

Sent:

15 Jan 2020 16:58:12 +0000

To:

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

Subject: Attachments: FW: ERO Scarborough ME-PRO-13-ERO-0293- 75% CDs review ERO Scarborough 1.07.20.pdf, 4290.00 - ERO Scarborough 75% CDs

12.17.2019.pdf

Importance:

High

-----Original Appointment-----

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

Sent: Tuesday, December 31, 2019 10:38 AM

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

Subject: ERO Scarborough ME-PRO-13-ERO-0293- 75% CDs review

When: Thursday, January 9, 2020 2:30 PM-3:30 PM (UTC-05:00) Eastern Time (US & Canada).

Where: Conference Call #: 1-866-707

Participant code: (b)(6); (b)(7)(C)

Importance: High

For our meeting tomorrow the latest furniture plan and the 75% drawings.

Please download Specifications using the link below:

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the WBRC AE Info Exchange web site. The attached file contains the transmittal details.

Download all associated files

Thank you. b)(6); (b)(7)(C)

To all,

You are invited to participate in a conference call coordination meeting for the subject project above, and to review latest submission from Architect's lessor.

To gain access, please call Conference Call #: 1-866-707(b)(7)(c) Participant Passcode # b)(6); (b)(7)(C) at the prescribed time.

Please feel free to forward this email to anybody else that needs to join the meeting. Your feedback is very important to us.

Do not hesitate to contact me if you have any questions.

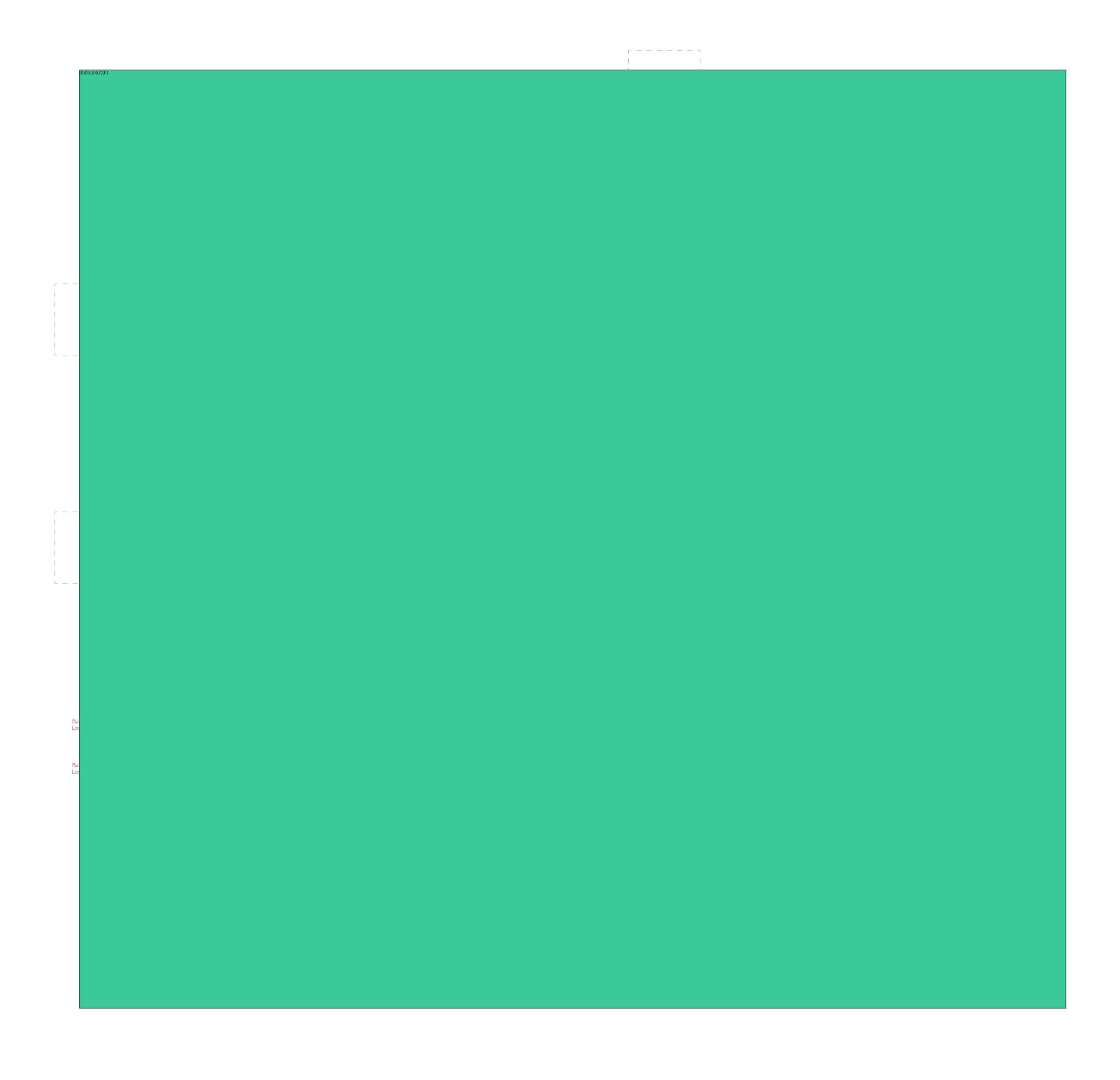
(b)(6);(b)(7)(C)

#### Thank you,

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

MA. NCARB. SAME. Intl. Assoc. AIA. OAFM Project Manager Office of Asset and Facilities Management (OAFM) FMD|OAFM|DHS|ICE 500 12<sup>th</sup> Street SW.(b)(6); (b)(7)(C)

Washington, DC 20536 C: 202-754 (b)(6); (b)(7)(C)



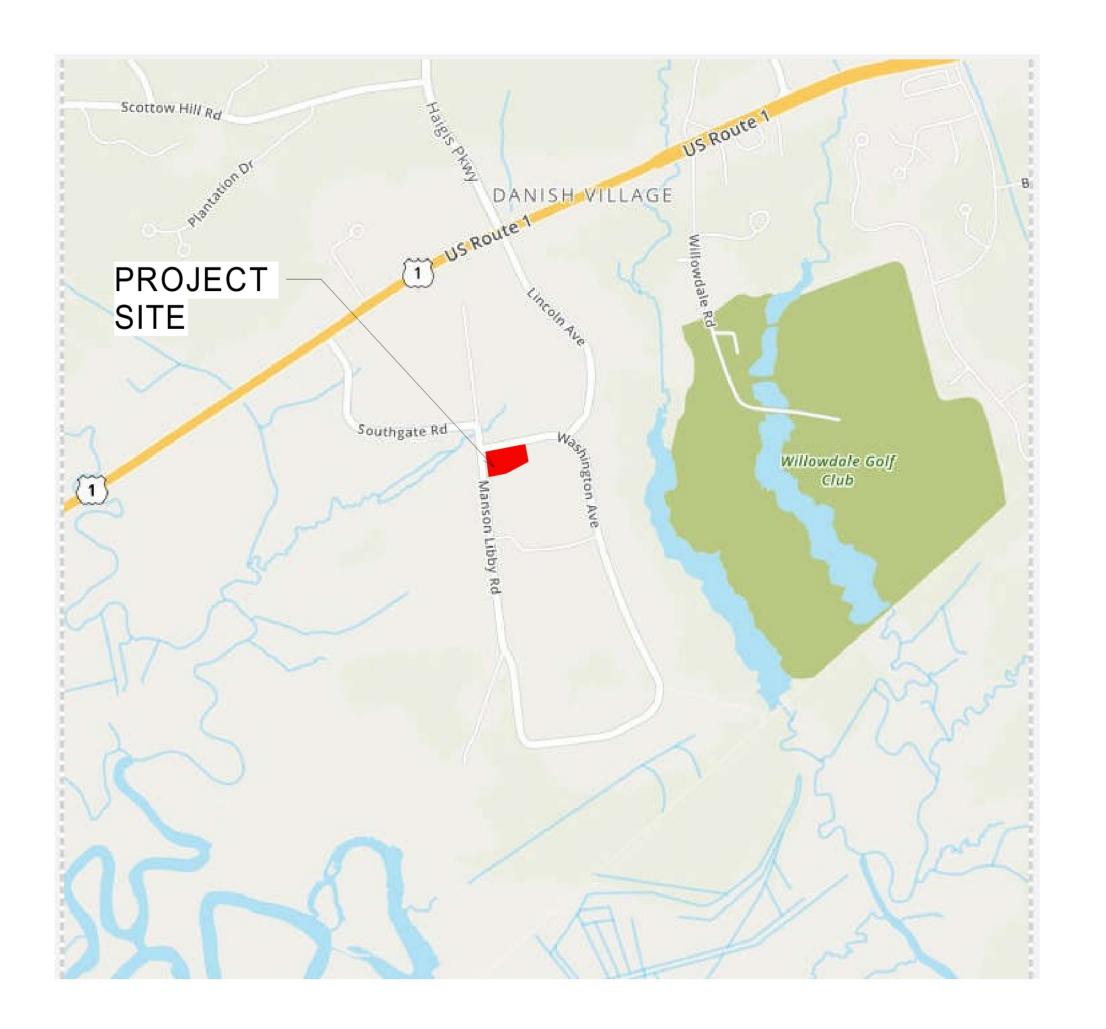


# 40A MANSON LIBBY ROAD GSA FITOUT

40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074

75% CONSTRUCTION DOCUMENTS





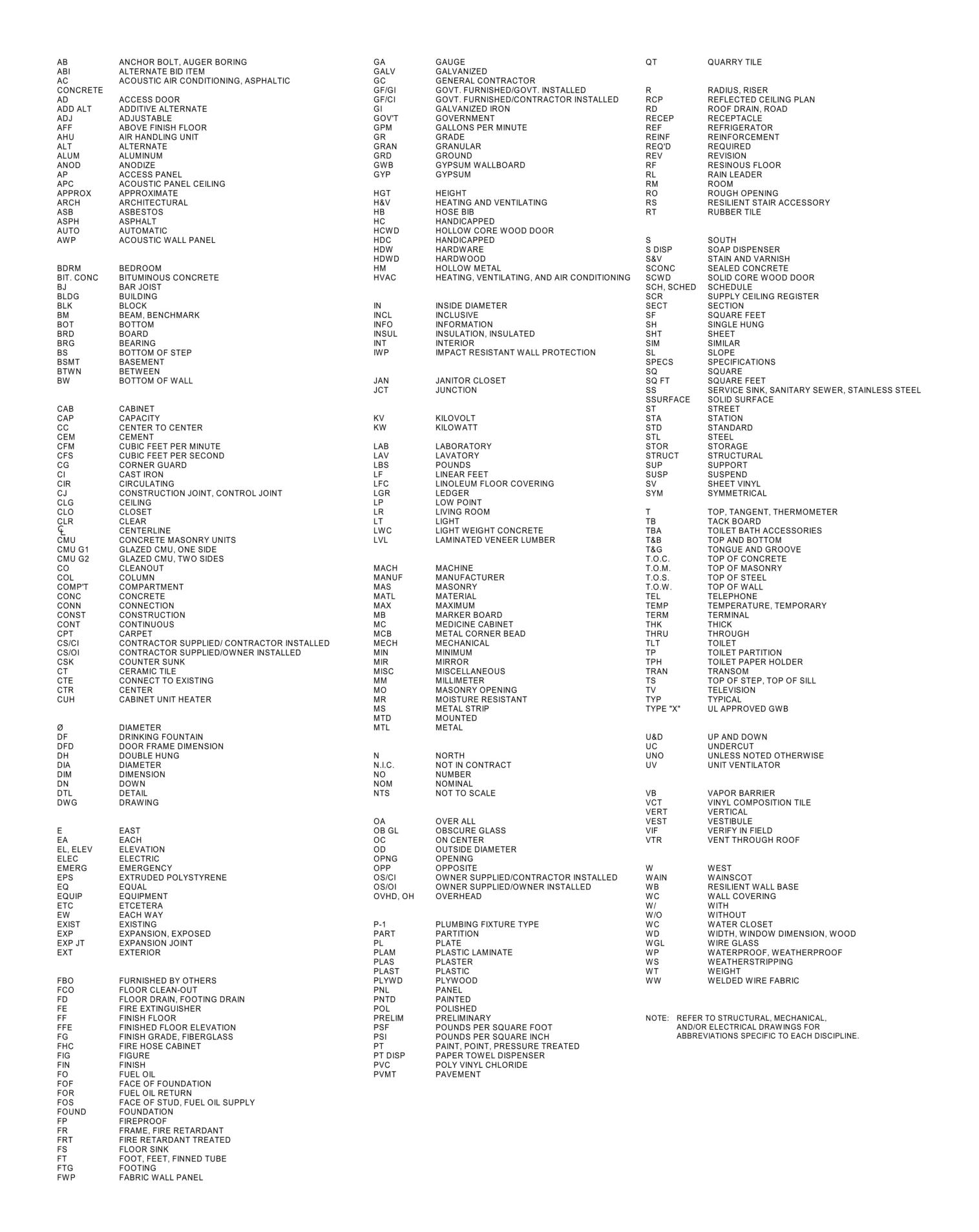


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# INDEX

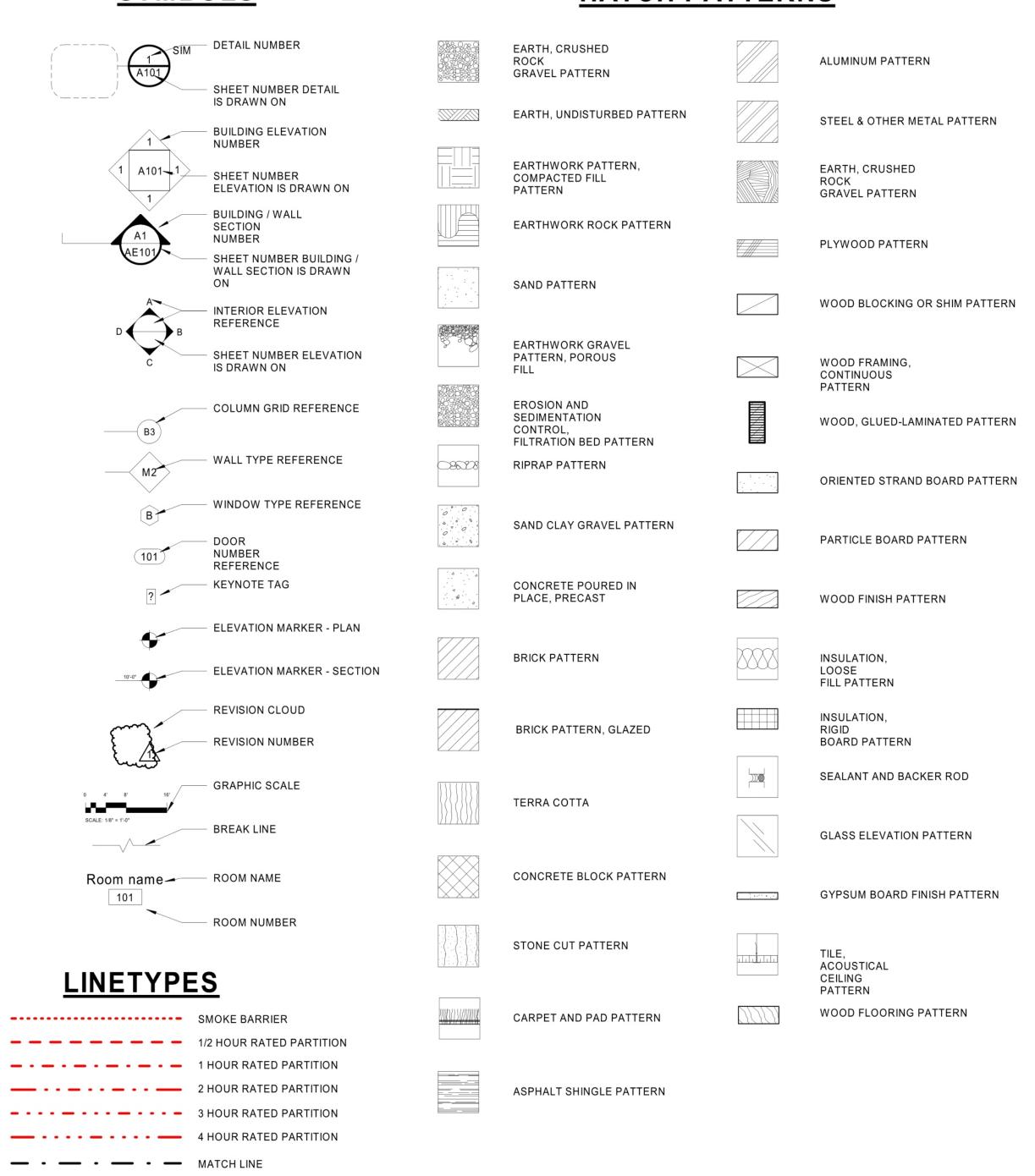
**GENERAL DRAWING** COVER SHEET SYMBOLS AND ABBREVIATIONS CODE REVIEW SUMMARY STRUCTURAL STRUCTURAL GENERAL NOTES AND SPECIAL INSPECTIONS FOUNDATION AND SLAB PLAN ROOF FRAMING PLAN S300 FOUNDATION AND FRAMING SECTIONS AND DETAILS S400 MASONRY SECTIONS AND DETAILS MASONRY WALL ELEVATIONS ARCHITECTURAL DRAWINGS FIRST FLOOR REMOVAL PLAN EXTERIOR ELEVATION REMOVALS FIRST FLOOR NEW WORK PLAN FIRST FLOOR REFLECTED CEILING PLAN AE201 EXTERIOR ELEVATIONS AE202 INTERIOR ELEVATIONS PARTITION TYPES & DETAILS DOOR & WINDOW SCHEDULE & DETAILS FINISH SCHEDULE & DETAILS FURNITURE & EQUIPMENT PLAN FIRST FLOOR FIRE PROTECTION PLAN PLUMBING LEGEND FIRST FLOOR PLUMBING REMOVALS PLAN PL101 FIRST FLOOR PLUMBING PLAN PLUMBING SCHEDULES MECHANICAL DRAWINGS MECHANICAL LEGEND MD101 FIRST FLOOR MECHANICAL REMOVALS PLAN M-101 FIRST FLOOR MECHANICAL PLAN M-501 MECHANICAL DETAILS MECHANICAL SCHEDULES ELECTRICAL LEGEND AND LIGHT FIXTURE SCHEDULE ED101 FIRST FLOOR ELECTRICAL REMOVALS PLAN EL101 FIRST FLOOR LIGHTING PLAN FIRST FLOOR POWER AND SYSTEMS PLAN FIRST FLOOR SECURITY PLAN ELECTRICAL DETAILS AND SCHEDULES

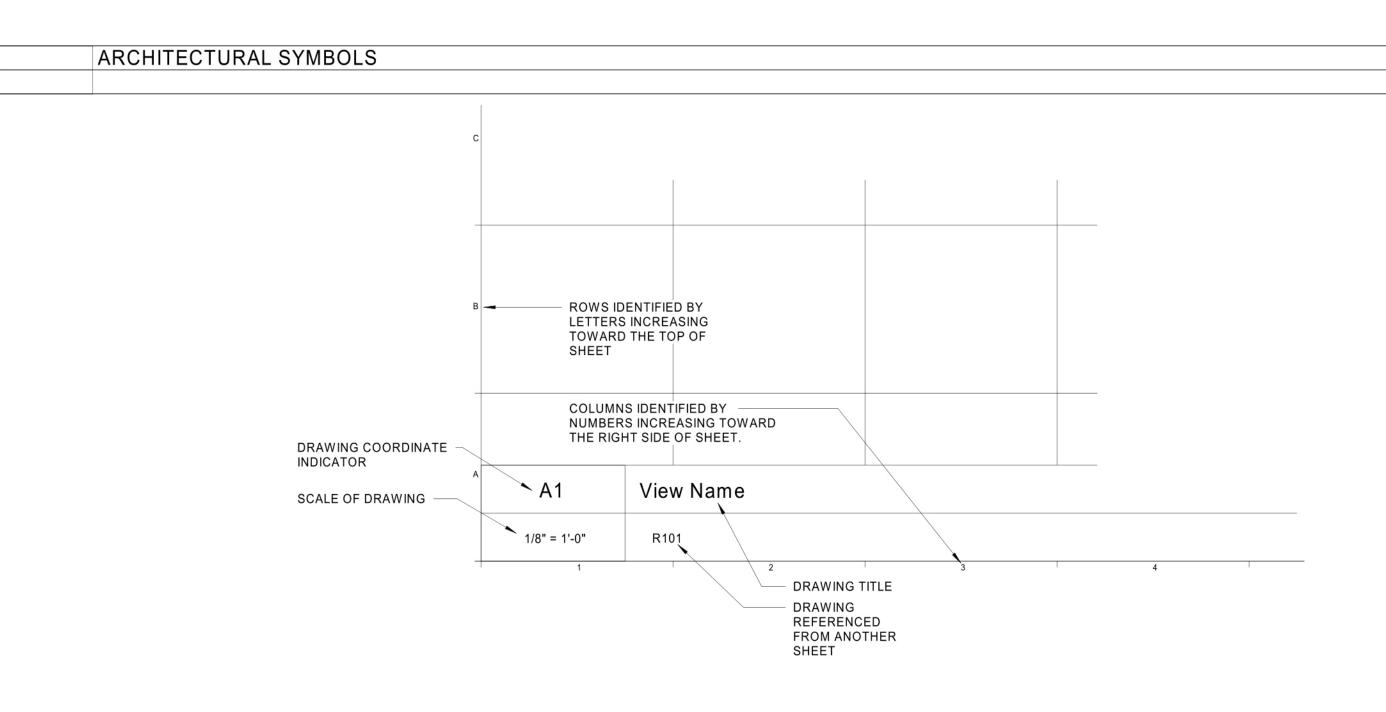




**SYMBOLS** 

#### **HATCH PATTERNS**





0 75% CONSTRUCTION DOCUMENTS 17 DEC 2019 DESCRIPTION

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

BANGOR, MAINE 207-947-4511

PORTLAND, MAINE 207-828-4511

SYMBOLS AND **ABBREVIATIONS** 

SHEET TITLE: WBRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt 4290.00 GRAPHIC SCALE: PROJECT No.

PROJECT MANAGER:

DRAWN BY: CHECKED BY:

DATE

DRAWING AREA

ARCHITECTURAL ABBREVIATIONS

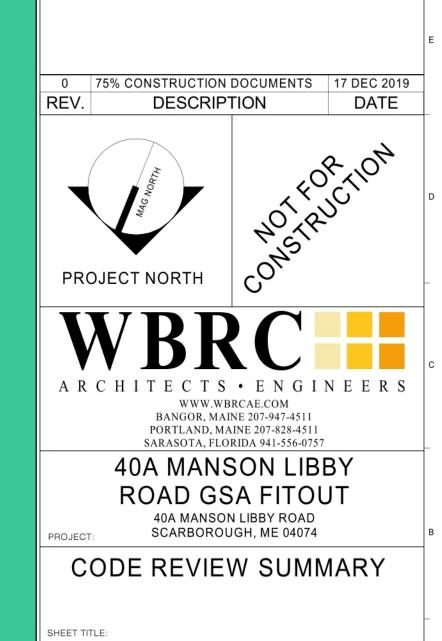
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SCARBOROUGH, ME 04074
 CURRENT BUILDING DESIGN CRITERIA:
BUILDING CODE:
IBC 2015
       NFPA 101 LIFE SAFETY CODE 2018 EDITION
       2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
       LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE
PROJECT DESCRIPTION:

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 REQUIRED / 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
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PROJECT LOCATION: 40 MANSON LIBBY ROAD



DRAWN BY:

CHECKED BY:

PROJECT MANAGER:

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

1/4" = 1'-0"

G1003

#### 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 STRUCTURE IS DESIGNED TO CARRY THE FOLLOWING LIVE LOADS, IN ADDITION TO SPECIFIC MACHINERY AND EQUIPMENT 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
  - SNOW EXPOSURE FACTOR, Ce: 1.0, BUILDING RISK CATEGORY: II
  - SNOW LOAD IMPORTANCE FACTOR, Is: 1.0 THERMAL FACTOR, Ct: 1.0

#### <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: ORDINARY REINFORCED MASONRY SHEAR WALLS
- DESIGN BASE SHEAR: 50 KIPS SEISMIC RESPONSE COEFFICIENT, Cs: 0.131
- RESPONSE MODIFICATION FACTOR, R: 2 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

A1 STRUCTURAL GENERAL NOTES

12" = 1'-0"

1. ALL FOOTINGS SHALL BE PLACED OVER A LAYER OF NEW STRUCTURAL BACKFILL HAVING A MINIMUM BEARING CAPACITY OF 2,500 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.

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

- 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
- 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 UNLESS NOTED OTHERWISE.

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.

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

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 S-402 FOR EXTEIOR WALL REINFORCEMENT.

28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI.

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

IDENTITY OF THE APPROVED AGENCIES TO BE RETAINED FOR CONDUCTING THESE TESTS AND INSPECTIONS. 40 MANSON LIBBY ROAD GSA FITOUT

SCARBOROUGH, MAINE

OWNER: UNIVERSITY OF MAINE BUILDING OFFICIAL BRIAN DOBSON

DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE: ADAM D. GILLESPIE, P.E. SEISMIC RESISTANCE SEISMIC DESIGN CATEGORY "B" < "F" WIND RESISTANCE: EXPOSURE "B," BASIC WIND SPEED 115 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, ADAM D. GILLESPIE, P.E.

OWNERS AUTHORIZATION:

(PLEASE SIGN, DATE, PRINT NAME AND TITLE)

**BUILDING OFFICIALS ACCEPTANCE:** (PLEASE SIGN, DATE, PRINT NAME AND TITLE)

#### CONTRACTOR'S RESPONSIBILITIES

LOCATION:

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

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

TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT.

- BUILDING INSPECTOR TO BE DETERMINED AND CONTRACTED BY OWNER
- 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 UNIVERSITY OF MAINE. 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

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

EARTHWORK INSPECTOR PE/GE, EIT OR ETT

EARTHWORK INSPECTOR PE/GE, EIT OR ETT CONTINUOUS

VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED THE PROPER MATERIAL

PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS

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. CONTINUOUS EARTHWORK INSPECTOR PE/GE, EIT OR ETT

#### REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

TESTING FREQUENCY PER SPECIFICATION

TESTING FREQUENCY PER SPECIFICATION

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

ACI-CFTT, ACI-STT

ACI-CFTT, ACI-STT

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 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.

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

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

INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES

#### REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION

CONTINUOUS

CONTINUOUS

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.

CONTINUOUS INSPECT PROPORTIONING, MIXING AND RETEMPERING OF MORTAR AND GROUT

VERIFY MASONRY INSTALLATION SPECIFICATIONS. INSPECT SIZE, LAYOUT, BONDING AND PLACEMENT OF MASONRY. CONTINUOUS INSPECT CELLS PRIOR TO GROUTING AND VERIFY GROUTING PROCEDURES. INSPECT PLACEMENT AND CONSOLIDATION OF GROUT.

INSPECT MASONRY CLEAN-OUTS FOR HIGH-LIFT GROUTING. CONTINUOUS

CONTINUOUS INSPECT ANCHORAGE OF MASONRY TO OTHER CONSTRUCTION AND INSTALLATION OF EMBEDDED ITEMS.

INSPECT CONSTRUCTION OF MORTAR JOINTS INCLUDING TOOLING AND FILLING OF HEAD JOINTS

INSPECT THE SIZE, QUANTITY, CONDITION AND PLACEMENT OF REINFORCING

PE/SE, EIT VERIFY CURING AND PROTECTION PROCEDURES. VERIFY PROTECTION FOR COLD AND HOT WEATHER PROCEDURES. VERIFY THAT WALL CAVITIES ARE PROTECTED AGAINT PRECIPITATION

> 0 75% CONSTRUCTION DOCUMENTS 17 DEC 2019 DESCRIPTION

> > BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 40A MANSON LIBBY ROAD GSA FITOUT

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40 MANSON LIBBY ROAD

INSPECTIONS

SCARBOROUGH, ME 04074 STRUCTURAL GENERAL NOTES AND SPECIAL

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

PROJECT MANAGER

DRAWN BY

CHECKED BY

A10 SPECIAL INSPECTIONS

12" = 1'-0"

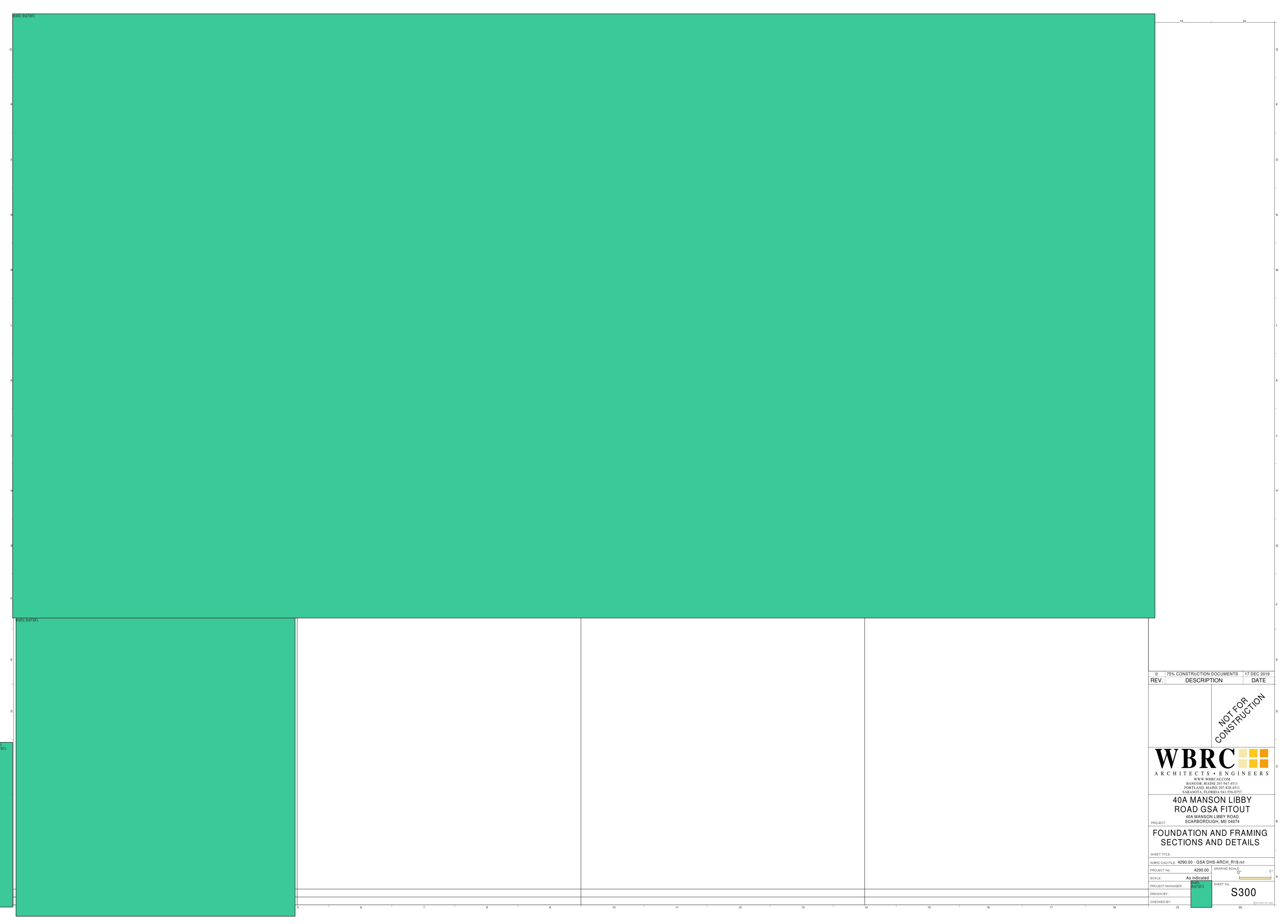
2021-ICLI-00025 740

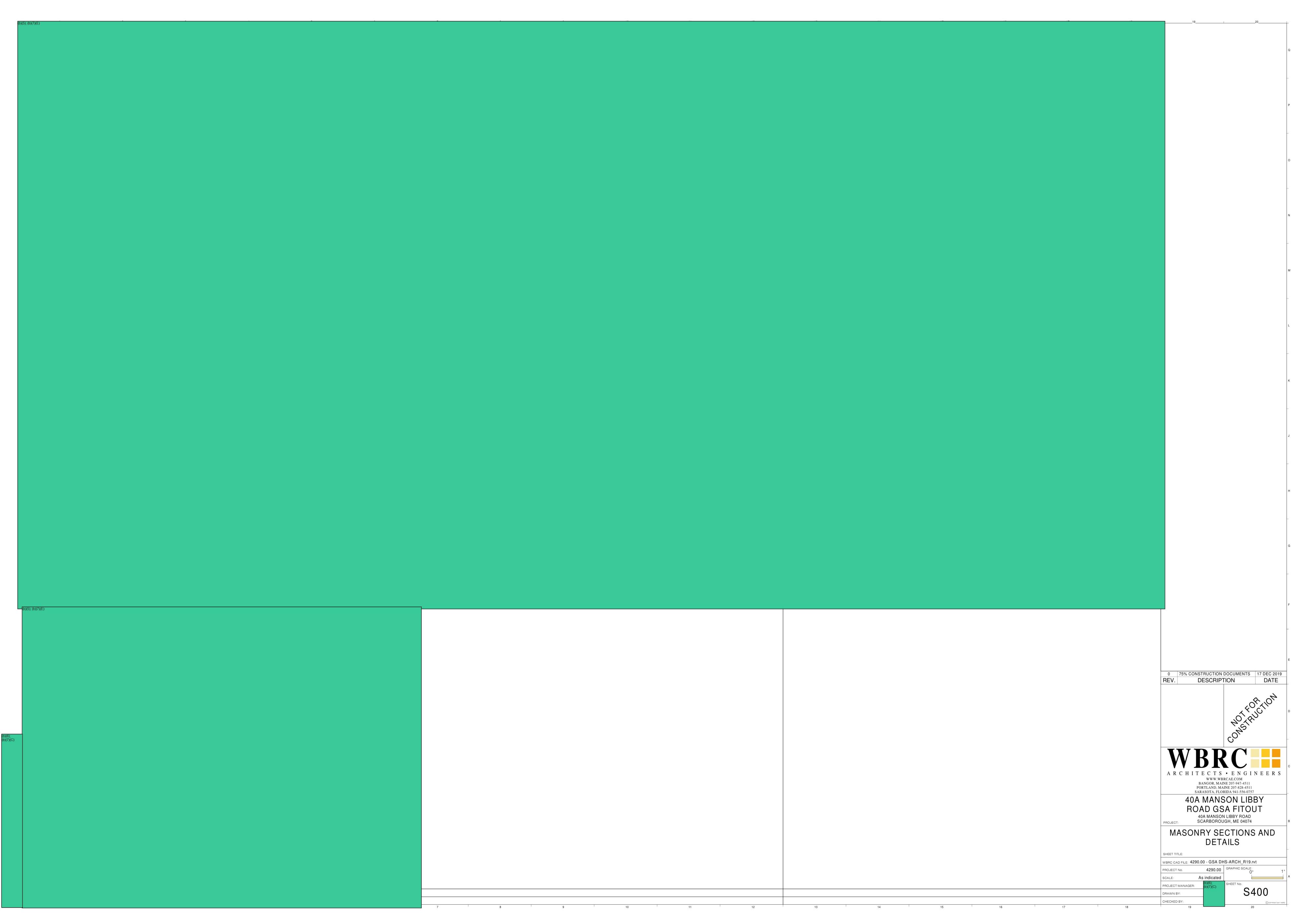
**FOUNDATION PLAN NOTES:** <u>DEFINITION:</u> TOP OF SLAB = TOP OF FOUNDATION WALL = 0'-0", U.N.O. BY (+/-) (E) FOUNDATION WALL: OPENING: NEW REINFORCED SHEAR WALL: 0 75% CONSTRUCTION DOCUMENTS 17 DEC 2019
REV. DESCRIPTION DATE WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757 40A MANSON LIBBY ROAD GSA FITOUT 40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074 FOUNDATION AND SLAB PLAN SHEET TITLE: WBRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt 4290.00 GRAPHIC SCALE: PROJECT No. As indicated PROJECT MANAGER: A1 FOUNDATION PLAN

1/4" = 1'-0" AD201 DRAWN BY: CHECKED BY:

**ROOF FRAMING PLAN NOTES:** <u>DEFINITION:</u> TOP OF STEEL = UNDERSIDE OF DECK = TOP OF BAR JOIST = 18'-0", U.N.O. BY 1.1 TOP OF ROOF STEEL SLOPES BETWEEN COLUMNS FOR ROOF DRAINAGE. REINFORCED MASONRY SHEAR WALL: (E) UNREINFORCED MASONRY REMAIN: NEW REINFORCED MASONRY WALL: NEW EXTERIOR WALL OPENING: (E) EXTERIOR WALL OPENING TO REMAIN: 0 75% CONSTRUCTION DOCUMENTS 17 DEC 2019
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
PROJECT: SCARBOROUGH, ME 04074 ROOF FRAMING PLAN WBRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt 4290.00 GRAPHIC SCALE: PROJECT No. PROJECT MANAGER: A1 ROOF FRAMING PLAN

1/4" = 1'-0" AD201 DRAWN BY: CHECKED BY:





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Q	(b)(5); (b)(7)(E)					1. DEFINITION: TOP OF WALL= BOTTOM OF BAR JOIST = 18'-0", U.N.O. BY (+/-)
						2. (E) UNREINFORCED MASONRY REMAIN:
						NEW MASONRY:  NEW MASONRY GROUT:
P						EXTERIOR WALL OPENING:  3. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SHORING REQUIRED TO PERFORM MASONRY WALL UPGRADES.
						- PERFORM MASONNT WALL OF GRADES.
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						AOA MANSON LIBBY ROAD GSA FITOUT  40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074
						40A MANSON LIBBY ROAD PROJECT: SCARBOROUGH, ME 04074
						MASONRY WALL ELEVATIONS
						SHEET TITLE:           WBRC CAD FILE: 4290.00 - GSA DHS-ARCH_R19.rvt           PROJECT No.         4290.00           GRAPHIC SCALE:         0"           0"         1"
						DRAWN BY: \$402
1 2						CHECKED BY: © COPYRIGHT 2017 WBRC 20

WALL LEGEND: EXISTING TO REMAIN EXISTING TO BE REMOVED \_\_\_\_\_\_\_ KEY PLAN 0 75% CONSTRUCTION DOCUMENTS 17 DEC 2019
EV. DESCRIPTION DATE PROJECT NORTH

WBR

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BANGOR, MAINE 207-947-4511
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SARASOTA, FLORIDA 941-556-0757 40A MANSON LIBBY **ROAD GSA FITOUT** 40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074 FIRST FLOOR REMOVAL PLAN BRC CAD FILE: 4290.00 - GSA DHS-ARCH\_R19.rvt 4290.00 GRAPHIC SCALE: As indicated AD101 2021-ICLI-00025 746



1 2 3 4 (b)(5); (b)(7)(E)	(b)(5); (b)(7)(E)		WALL LEGEND:  EXISTING TO REMAIN  EXISTING TO BE REMOVED  TO SHOW WALL	Q
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			40A MANSON LIBBY ROAD GSA FITOUT 40A MANSON LIBBY ROAD	_
			FIRST FLOOR NEW WORK PLAN SHEET TITLE:	B
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PROJECT NORTH

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

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40A MANSON LIBBY

ROAD GSA FITOUT

40A MANSON LIBBY ROAD
SCARBOROUGH, ME 04074

**ROOF PLAN** 

4290.00 GRAPHIC SCALE:

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

SHEET TITLE:

PROJECT MANAGER:

DRAWN BY: CHECKED BY:

**GENERAL CEILING PLAN NOTES:** 1. REFER TO SHEET GI002 FOR ALL ABBREVIATIONS 2. ALL HEIGHTS GIVEN ARE FROM FINISHED FLOOR OF BUILDING 3. CONTRACTOR TO VERIFY LOCATION OF MAIN CEILING TEE'S BEFORE PROCEEDING WITH FIXTURE INSTALLATION. NOTIFY ARCHITECT OF INTERFERENCES 4. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL REFLECTED CEILING PLANS AND ELECTRICAL LIGHTING PLANS PRIOR TO CONSTRUCTION. 5. REFER TO ELECTRICAL PLANS FOR LOCATION OF STROBES AND EXIT SIGNS. 6. ALL CEILING GRILLES, TRIM EDGES, AND SLOT DIFFUSERS TO MATCH ADJACENT CEILING COLOR. 7. ALL SPRINKLER HEADS TO OCCUR AT CENTER OF 8. LAYOUT TILES AS SHOWN IN REFLECTED CEILING 9. ALL CEILINGS TO BE 9'-0" A.F.F. UNLESS NOTED OTHERWISE. 10. SEE ELECTRICAL, MECHANICAL, AND PLUMBING SHEETS FOR ADDITIONAL INFORMATION. 11. ALL RECESSED LIGHT FIXTURES IN ACOUSTIC PANEL CEILING GRID TO BE CENTERED IN THE TILE UNLESS NOTED OTHERWISE. CEILING LEGEND GWB ATTACHED TO HM STUD ACOUSTICAL PANEL CEILING 2'-0" x 2'-0" ON METAL SUSPENSION GRID, APC-1 U.N.O. APC-2 - SECURE CEILING PANELS -ARMSTRONG METALWORKS SECURE LOCK ELECTRICAL SYMBOLS INDI SYMBOLS INDICATING LIGHTING LOCATIONS, SPEAKERS, FIRE ALARM EQUIPMENT, EXIT SIGNS AND OCCUPANCY SYMBOLS. REFER TO K EL SHEETS FOR SIZE/
TYPE OF FIXTURE

FAA (H) (\$) (\$) (\$) MECHANICAL
SYMBOLS INDICATING
SUPPLY DIFFUSER
OR EXHAUST/
RETURN GRILLE
LOCATIONS. REFER
TO MH SHEETS FOR
SIZE/ TYPE OF
DIFFUSER/ GRILLE. 0 75% CONSTRUCTION DOCUMENTS 17 DEC 2019
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** 40A MANSON LIBBY ROAD SCARBOROUGH, ME 04074 FIRST FLOOR REFLECTED **CEILING 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:

2021-ICLI-00025 750

0 75% CONSTRUCTION DOCUMENTS 17 DEC 2019
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: PROJECT No. 1/4" = 1'-0" PROJECT MANAGER: DRAWN BY: CHECKED BY:

0 75% CONSTRUCTION DOCUMENTS 17 DEC 2019
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: PROJECT No. PROJECT MANAGER: AE202 DRAWN BY: CHECKED BY: 2021-ICLI-00025 752

