

## **Addendum #2**

### **T2 R9 Training Site Development Project Phase I**

#### **Project No. 23TC20-508 Bid Number # 20-041**

Directorate of Facilities Engineering

1 June 2020

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated 15 May 2020 as noted below. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification. This Addendum consists of the following:

#### **Administrative Items:**

1. Due to the current situation with COVID-19 the bid opening will not be public. Bids will be opened and all bidders and BGS will be informed of the results. No award decision will be made until the bid results are evaluated by the Engineering Supervisor.
2. It is required that bids be hand delivered to Bldg. 7, Camp Keyes Augusta, Maine. This building is located at 194 Winthrop Street, Augusta, Maine. Please call either Mr. Lapointe or Mrs. Hallett to let us know you are here and we will meet you at the front door and ensure your bid submission is properly stamped in and accounted for.

#### **Specification Items:**

1. **Insert** Memorandum From Site Visit, 28 May 2020 immediately before cover page for Appendix 2. Significant change is as follows: Access to the site is **no longer limited** to the Pea Ridge Road entry as specified in selected appendices. Contractor may access the site either from the Pea Ridge Road entry or the Pelky Road entry. Just to clarify, The Pelky Road entry is our deeded access our training site. We have a right of way entry for Pea Ridge Road. Any other planned access must be coordinated with the current land owner. There is an additional way onto the facility from the north which connects to the Pea Ridge Road but you must receive permission for the current land owner, The Katahdin Company, to use that entry. The off limits road limitation remain in effect.

2. From Clarification #1: **Remove** page 3, section 01 00 00, Administrative Provisions, and **insert** attached page 3, section 01 00 00, Administrative Provisions. Change is the removal of the Town Of Chester as the permitting authority for this project. All construction must be in accordance with the provisions contained in the LUPC Certification included as part of the SLODA permit.
3. **Remove** Map. Appendix 3 T2 R9 Training Site Operations Building and **insert** attached Map. Appendix 3 T2 R9 Training Site Operations Building. Change is location of facility and the elimination of the tree clearing requirement. New site is in existing clearing. See Memorandum From Site Visit, 28 May 2020 for more details.
4. **Remove** Performance Specification Training Site Operations Building and **insert** attached Performance Specification Training Site Operations Building. Changes include allowing metal interior wall panels, clarification for generator pad, FFE for slab, conduit requirement for generator.
5. **Remove** Map Appendix 11, T2 R9 Development Tree Clearing for Phase II, and **insert** attached Map Appendix 11, T2 R9 Development Tree Clearing for Phase II. See Memorandum From Site Visit, 28 May 2020 for details. Site A has been moved slightly North than originally depicted.

#### **Drawing Items:**

1. **Remove** Sheet C-101 from Appendix 3, T2 R9 Training Site Operations Building. No longer required. See Memorandum From Site Visit, 28 May 2020 for details.
2. **Remove** Sheets C-103 and Sheets C-104, Appendix 4, T2 R9 25 Meter Range Building, and **insert** attached Sheets C-103 and Sheets C-104. Changes are on Sheet C-103 are a clarification to depth of gravel parking area and wetland fill requirement as well as the option to use native soils for the berm. Sheet C-104 properly identifies the firing point elevation, some note corrections and additional information for the tower and ammunition building.

#### **Clarification Items:**

1. The finish between the firing line and the target line is just native soils and seeding. All tress and stumps to be removed and the surface between the firing line and the target line will be level.
2. The gravel depth discrepancy between sheets C-103 and C-104 for the 25 Meter range is addressed in drawing item #2.
3. Yes, stump the grindings be used on roadside slopes and channels in lieu of any type of growth media and seed. Must be stabilized.
4. Yes, the map sheet issued in addendum 1 for Appendix 9 is actually for Appendix 8.
5. The abatis/wood cutting area infrastructure is to be provided by Owner. That is why there is no detail for that portion of the Light Demolition Range. Contractor is only responsible for creating the site consisting of the area and the berm as shown.
6. The intent for the wet pond at the LDR is to ruin 30 ml HDPE liners from elevation 281.75 to the bottom of the pond. The liner will require an anchor trench per manufactures specifications.

7. The actual coordinates for the 25 Meter Range and Bivouac Site. Staging Area D are as follows:
  - a. 25M Range (N45° 28' 26.42", W68° 32' 14.69")
  - b. Site D (N45° 29' 55.35", W68° 30' 44.47")
  
8. For Berms sizes for both the 25 Meter Range and the LDR use the following figures:
  - a. 25 Meter Range – 3,373 cu yards
  - b. LDR –There is a NET fill of approximately 7,100 CY. The total fill required is approximately 16,000 CY while the total cut is approximately 8,900.
  - c. Note: You may use native soils for these provided they are suitable.
  
9. For Appendix 8, Pea Ridge Access Road, there are no culverts identified to be replaced as part of the portion of the project. If any culvert requirements come up, they will be addressed via change order.
  
10. There is a guardrail detail in some of the appendices. As of right now, no guardrails are required a part of the project and they should not be included in your bids. However, in the event we determine that one is required, we have a detail already in place to accommodate this.

Attachments:

- 1 – Memorandum From Site Visit 28 May 2020
- 2 - Page 3, section 01 00 00, Administrative Provisions
- 3 – Map Appendix 3
- 4 - Performance Specification Training Site Operations Building
- 5 - Map Appendix 11
- 6 - Sheet C-103, Appendix 4
- 7 – Sheet C-104, Appendix 4

## **Memorandum**

### **RE: T2 R9 Development Project Phase I Site Visit\_29 May 2020**

The purpose of this memorandum is to provide bidders with the information obtained during my site visit on 29 May 2020 and notify all bidders of any changes made to the bidding documents as a result of this visit.

#### **Overall Comments:**

1. Site access is dramatically improved from last year to the point that the entire site is accessible now from the Pelky Rd entry. That is why I removed the entry limitations in the bid documents and it is now means and methods in regards to which entry you want to use. Any improvements to existing roads that you may feel the need for to get construction vehicles into the site are minimal. The off limits portion of the site remain off limits. Also, the Pea Ridge Access Road was washed out during my visit so we could not access the site from that route. This will be repaired prior to the start of construction. Also, you will require an ATV to go south towards the 25 Meter Range and we will have to walk to the site where the road ends when we mark that site out.
2. We will mark out the locations and site for the contractor who is awarded this project before the start of construction. Did not have the time or resources to do that during the site visit and we will do this in conjunction with the AE and environmental to ensure where we tell you to build is exactly where you are supposed to build.
3. Any onsite materials that you disturb during the execution of this project may be used as materials to support that other aspects of the project provide they meet the requirements of that portion of the project and are in accordance with proper construction standards.
4. Looking at potential sites through the trees and vegetation is not ideal but it did provide some clarity as to what may be required for this project. We reserve the right to make minor modifications to sites if it is the best interest of the owner and contractor and remains in compliance with all applicable permits. In other words, if we can make it easier and less complicated, we will.

#### **Training Site Operations Building:**

1. I moved the location of this facility during this site visit due to common sense. During the visit in the general vicinity of where we were going to place it I discovered a clearing directly adjacent to the existing road that was cleared of vegetation and relatively flat and dry. It made perfect sense to place the facility at this location and Training Sites concurred with my assessment. This eliminates any tree clearing requirement to get access to this site as well. The location has been updated in Addendum 2.
2. The facility is no longer part of Area A.

#### **25 Meter Range:**

1. During the walk to the approximate location of this site I was reminded that there is some water here that you will have to deal with. I added this into the scope of the project in addendum 2.

**Bivouac Site and Staging Area A:**

1. The layout for this site provided in the bid documents is accurate. Except we actually moved the location slightly north closer to Laydown Area B due to the steep elevations encountered by the AE at the original location. I have indicated the new location in Addendum 2 and the Training Site Operations Building is no longer collocated with this facility.

**Bivouac Site and Staging Area C:**

1. The culvert for the road leading to this site off the main road/trail requires repair so I am hoping the Guard can do this during their AT in August so I am not including it as a requirement for bidding at this time.

Sincerely,

Paul R. Lapointe  
Facilities Project Manager  
207 430-6329

3. Coordinate work with all utilities. : N/A.
4. Coordinate the work of equipment and material suppliers and subcontractors.
5. Make arrangements for the timely delivery of materials and supplies to the job site and for their temporary storage on site.
6. Maintain the project site in a neat condition.
7. Assist the Owner and the AE firm during periodic site visits and in the review of construction.
8. Maintain up to date progress records and as-built drawings.

#### L. CONFLICTS

1. Contractor shall notify Owner in writing of any real or apparent conflicts in the Contract Documents and, except in cases of emergency, await Owner's determination before proceeding.
2. The **Owner's Project Manager** shall resolve conflicts that arise during construction.
3. If two or more solutions are indicated in the Contract Documents, the Contractor shall assume the cost of the more expensive solution unless otherwise directed by the Owner.

#### LI. Field Engineering

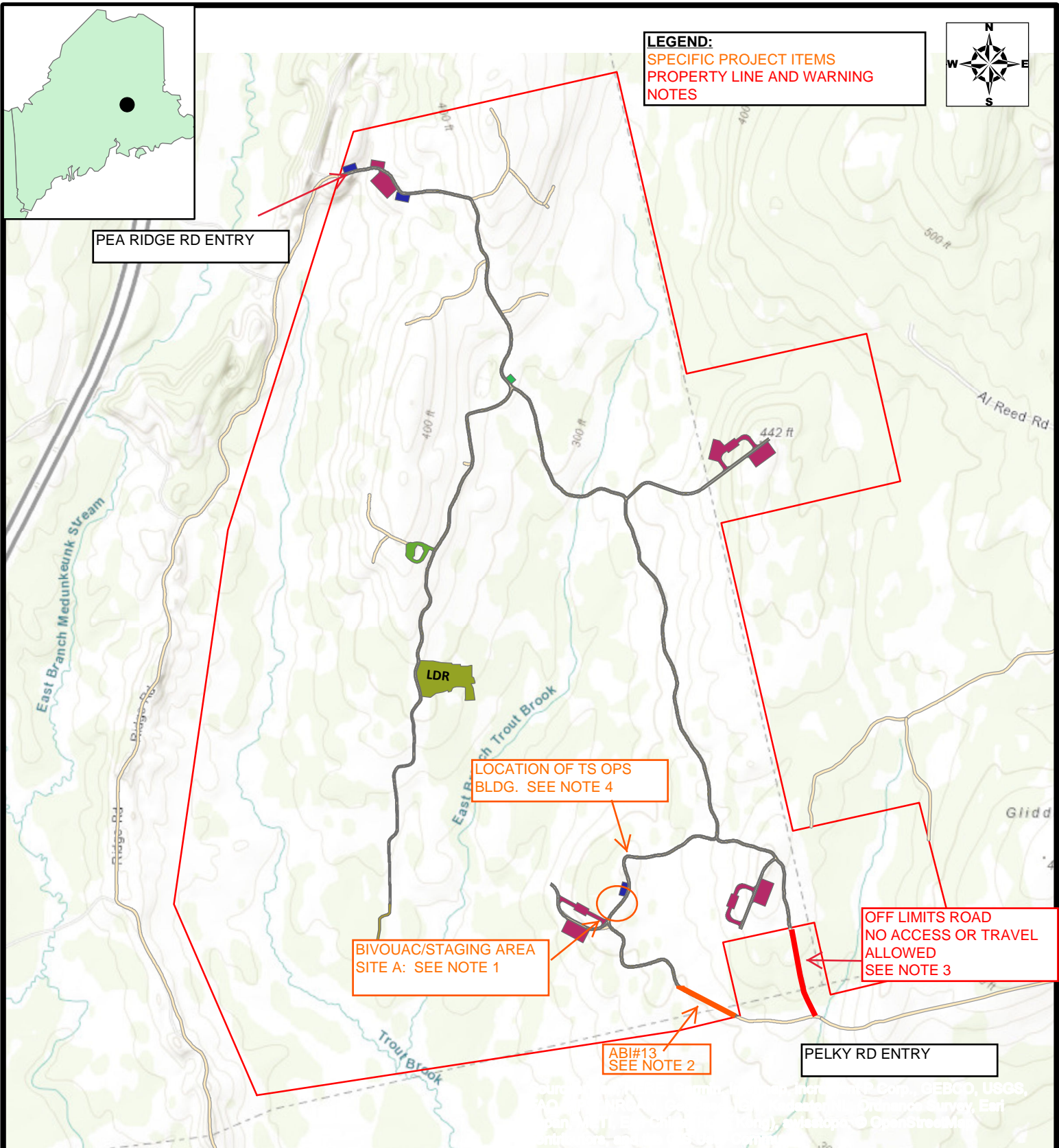
1. The Contractor shall be responsible for all field engineering as required.
2. The Contractor shall be responsible for all special inspections required to obtain a Building Permit **IAW Certification from Land Use Planning Commission** located at the end of the SLODA permit in Appendix 1, Permits.

#### LII. Reference Standards

1. For products specified by association or trade standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
2. The date of the standard is that in effect as of the Bid date, or date of Owner-Contractor Agreement when there are no bids, except when a specific date is given.
3. Obtain copies of standards when required by Contract Documents. Maintain copy at job site during progress of the specific work.

#### 1.02 SCHEDULING AND PHASING OF WORK

# T2 R9 TRAINING SITE OPERATIONS BUILDING



## NOTES:

1. ACCESS FOR THIS PORTION OF THE PROJECT WILL BE FROM THE PELKY ROAD ENTRY POINT. ABI #13 IS APPROXIMATELY 500 LINER FEET LONG AND MAY REQUIRE MINOR UPGRADES, GRAVEL, TO MAKE ACCESSABLE FOR CONSTRUCTION EQUIPMENT. CONTRACTOR RESPONSIBILITY.
2. THIS SECTION OF ROAD IS NOT ON OUR PROPERTY AND ACCESS TO THE TRAINING SITE FROM THIS SECTION OF ROAD IS PROHIBITED.
3. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE SUB BASE AND BASE MATERIALS BENEATH THE CONCRETE SLAB THAT WILL PROVIDE A FIRM, STRUCTURALLY SOUND SITE UPON WHICH TO INSTALL THIS BUILDING. PLAN ON FFE OF 335.25'. FINAL TBD WHEN BUILDING IS PHYSICALLY SITED AFTER AWARD.
4. CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL MEASURES FOR THE DURATION OF THIS PORTION OF THE PROJECT.
5. NO TREE CLEARING MAY OCCUR BETWEEN THE DATES OF JUNE 1ST AND JULY 31ST OF THE CALENDAR YEAR.
6. NO CONSTRUCTION ACTIVITIES ALLOWED BETWEEN AUGUST 1ST AND AUGUST 31ST WITHOUT PERMISSION FROM THE DFE PROJECT MANAGER.

## **Performance Specification Training Site Operations Building.**

### **Purpose**

The Operations and Storage Building provides office space for range personnel and a storage area for range maintenance equipment, spare parts, tools, and supplies. Minimum primary office space shall be 300 sq. ft. Minimum storage space shall be 200 sq. ft. Total building sq. Footage shall be a minimum of 500 sq. ft.

### **Design Requirements (Base Bid):**

#### **General:**

The standard design must be in accordance with the design codes and criteria of the specific location, geotechnical information, structural loads, mechanical design criteria, etc. This includes roof snow loads requirements for that area.

The facility typically requires access by able-bodied personnel only and does not require ADA compliance.

The office area has windows that can provide natural light and ventilation. The minimum ceiling height is 9 foot. Taller ceilings are acceptable. Facility will require forced entry resistant windows and doors. (security for the building like Window mesh/protection for the windows and door bar to prevent damage/theft). Storage room will have a double door.

The facility will be a pre-engineered metal building that can be relocated to an alternate site.

Covered entries and ice guards are required.

The facility will consist of vinyl tile, acoustical tile suspended ceilings, and impact resistant gypsum wallboard or other durable finished wall. **(Metal Wall Panels are acceptable).**

Facility will be placed on top of a reinforced (REBAR) 8" concrete slab. **Slab will have adequate subbase and base to support slab and structure and surrounding area will be sloped to drain away from the facility. FFE for slab will be 335.25'.**

#### **Mechanical**

The facility will provide heating and cooling in the office area. Heating only in the storage area. System shall be sized to be able to operate with power supplied by a generator.

Programmable thermostat 7 days.

#### **Electrical**

Power Distribution Primary distribution service will be underground fed from a generator (provided by owner) mounted on a concrete generator pad. Provide 120/240V, single-phase, 3-wire secondary power with a Surge Protective Device (SPD) on the incoming service to the facility. Provide this facility with a panel board supplied with main circuit breaker that serves separate circuits for the lighting, convenience outlets, and HVAC equipment.

General Power Requirements Provide general purpose 120V, 20A duplex convenience receptacles; mounted 18" (450mm) above the finished floor in office area. Provide 120/240V power for the HVAC.



Integrated data ports, 6 phone jacks/data jacks, 6 DC outlets for laptops.

**Contractor is responsible for providing generator concrete pad adjacent to facility, minimum size 5' x 5', with stubbed 1 " conduit leading from slab to new facility. SCH 40 PVC acceptable underground with EMT for exposed sections.**

### **Plumbing:**

Provide plumbing infrastructure to accommodate the following (future use):

Water entry and water water/sewer exit point.

Water lines and connection to service a lavatory and toilet.

Sewer lines to accommodate waste water and sewage to facility exit.

All connection entering or exiting the facility shall installed to be able to connect to industry standard external water and sewer lines.

### **Lightning Protection and Grounding**

Grounding and lightning protection systems are required for safety. Building electrical system grounding will consist of one or more ground rods connected to the service panel in accordance with NFPA 70. Provide lightning protection system if required by NFPA 780 Risk Assessment; there are no range program specific requirements for this building. The lightning protection system may be provided as a mast-style system or air terminals located on the building structure. Use exothermic welds for cable connections and connections to the ground rods and structural steel.

### **Lighting**

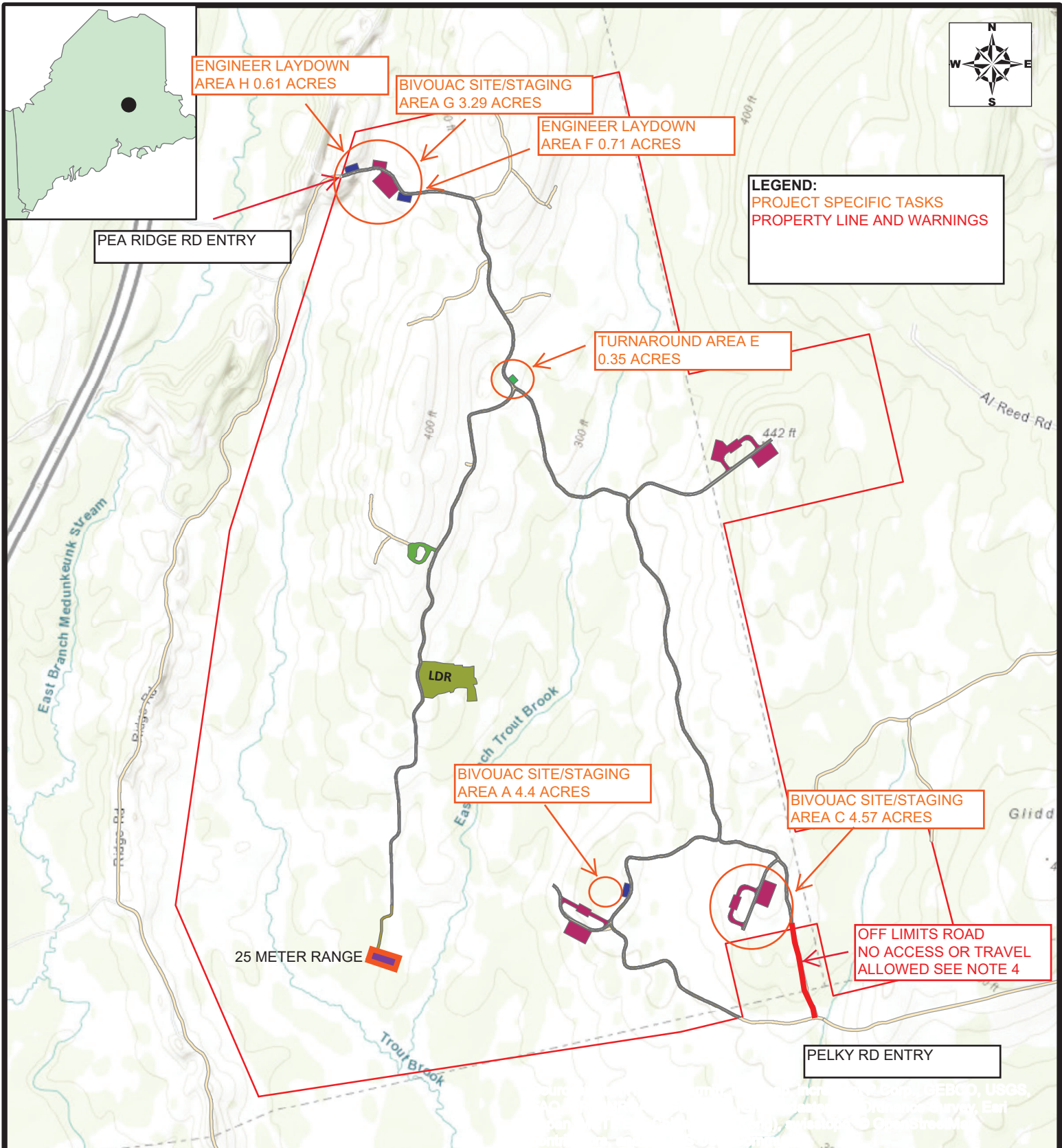
Design illumination levels in accordance with the IES. Provide Emergency and Exit lighting in accordance with NFPA 101 and NFPA 70. Provide 3-way switching for exterior lighting, with one switch located inside the office and one switch located in the storage room. Provide exterior lighting on all four sides of the facility. Lighting shall consist of LED fixtures. Lighting controls shall have occupancy sensors for interior area with override switches. Exterior lighting shall (in addition to the 3 way switches previously mentioned) have motion sensors to activate lighting for a specified period of time.

### **Special Considerations**

Fire protection is not normally required for this facility, though local requirements may control. Consult the Fire Marshal for local requirements. Fire extinguishers and cabinets are required per NFPA.

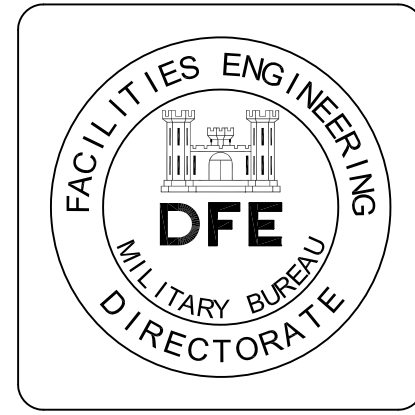
Provide concrete pad sized to accommodate a minimum of two porta-potties.

**T2 R9 DEVELOPMENT TREE CLEARING FOR PHASE II**

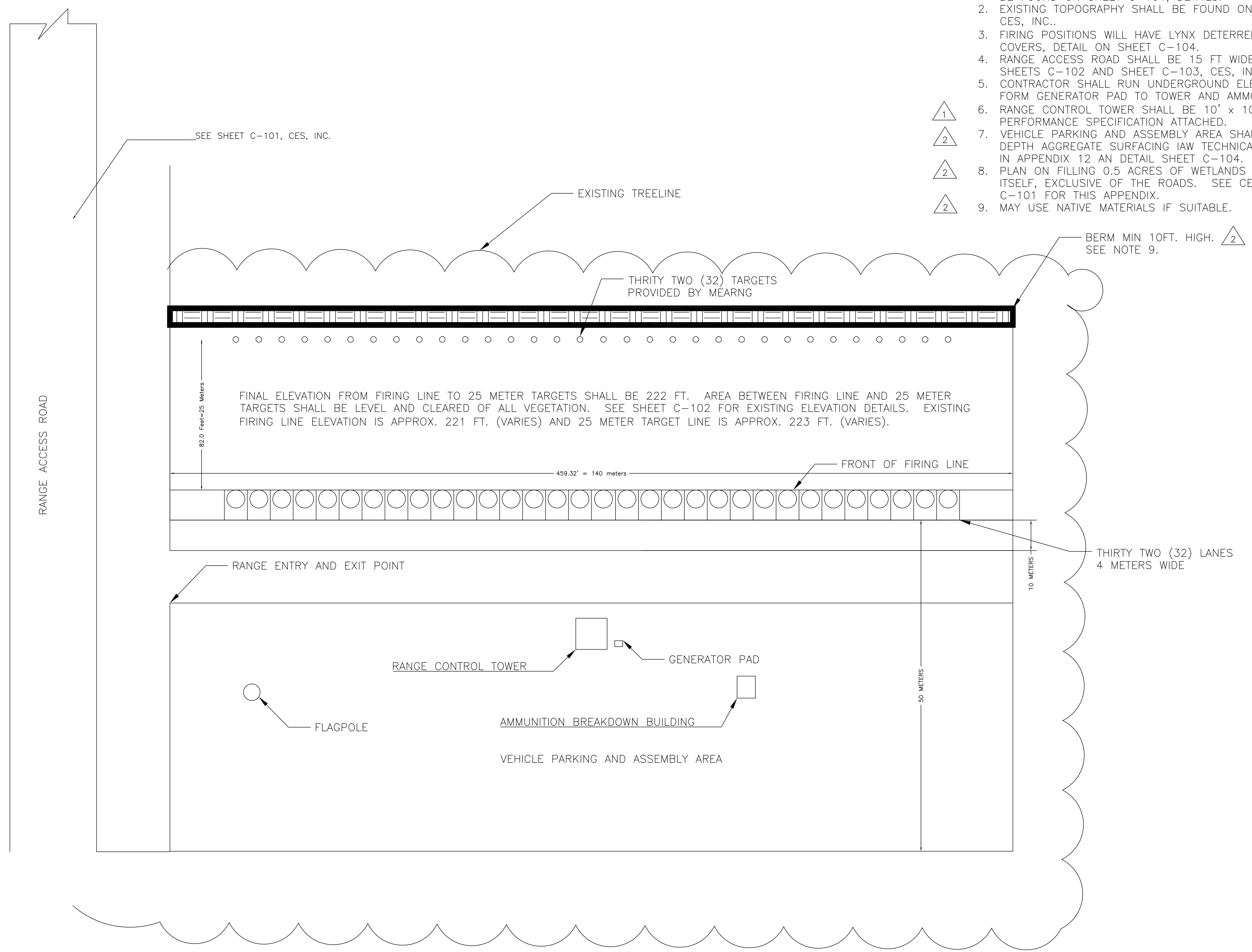


**NOTES:**

1. PROJECT CONSIST OF TREE CLEARING AT BIVOUAC SITE/STAGING AREAS A, C AND G; ENGINEER LAYDOWN AREAS F AND H AND TURNAROUND AREA E.
2. ACCESS TO BIVOUAC SITE/STAGING AREA G, ENGINEER LAYDOWN AREAS F AND H, AND TURNAROUND AREA E WILL BE FROM THE PEA RIDGE ROAD ENTRY. ACCESS TO BIVOUAC SITE/STAGING AREAS A AND C WILL BE FROM THE PELKY ROAD ENTRY POINT.
3. THE SECTION OF ROAD MARKED "OFF LIMITS" IS NOT ON OUR PROPERTY AND ACCESS TO THE TRAINING SITE FROM THIS SECTION OF ROAD IS PROHIBITED.
4. TREE CLEARING SHALL CONSIST OF THE FOLLOWING TASKS:
  - a. ALL TREES WITHIN THE DESIGNATED AREA SHALL BE CUT AND REMOVED FROM THE SITE. STUMPS ARE TO REMAIN IN PLACE.
  - b. NO LIMBS OR DEBRIS ASSOCIATED WITH THE TREE CUTTING ARE TO REMAIN ON SITE.
  - c. TREES SHALL BE DISPOSED OF/SOLD/USED FOR OTHER PURPOSES AS LONG AS THIS OCCURS OFF SITE AND IS IN ACCORDANCE WITH ALL APPLICABLE MEDEP RULES/REGULATIONS. ALL CUT TREES AND DEBRIS BECOME THE PROPERTY OF THE CONTRACTOR.
5. SITE SPECIFIC TASKS (TYPICAL LAYOUT OF BIVOUAC SITE/STAGING AREA AND ENGINEER LAYDOWN AREA /TURNAROUND SITE AREA ON ATTACHED SHEET C-108):
  - a. BIVOUAC SITE/STAGING AREAS A,C AND G:
    - i. ALL TREES SHALL BE CLEARED WITHIN THE LIMITS (PLUS 10 FT OUTSIDE OF THE LIMITS) OF BOTH THE STAGING AREA AND BIVOUAC SITES AS DEPICTED ON ATTACHED SHEET C-108 AS WELL AS THE LOOP ROAD CONNECTING THESE TWO SITES.
  - b. ENGINEER LAYDOWN AREAS F AND H:
    - i. TREES SHALL BE CLEARED WITHIN THE LIMITS (PLUS 10 FT OUTSIDE OF THE LIMITS) OF THE LAYDOWN AREA
  - c. TURNAROUND AREA E:
    - i. TREES SHALL BE CLEARED WITHIN THE LIMITS (PLUS 10 FT OUTSIDE OF THE LIMITS) OF THE TURNAROUND AREA.
6. NO TREE CLEARING MAY OCCUR BETWEEN THE DATES OF JUNE 1ST AND JULY 31ST OF THE CALENDAR YEAR.
7. NO CONSTRUCTION ACTIVITIES ALLOWED BETWEEN AUGUST 1ST AND AUGUST 31ST WITHOUT PERMISSION FROM THE DFE PROJECT MANAGER.
8. TREE CLEARING MAY NOT COMMENCE BEFORE 1 SEPTEMBER 2020.
9. IF CONTRACTOR ELECTS TO PERFORM TREE CLEARING IN THE WINTER THEY ARE RESPONSIBLE FOR MAINTAINING ACCESS TO THE PROJECT SITE
10. CONTRACTOR IS RESPONSIBLE FOR OBTAINING TIMBER HARVEST NOTIFICATION FROM THE FOREST SERVICE



- GENERAL NOTES:
1. DETAILS ON FIRING POSITIONS, CONTROL TOWER, AMMUNITION BREAKDOWN BUILDING, GENERATOR PAD AND FLAGPOLE WILL BE FOUND ON SHEET C-104, DETAILS.
  2. EXISTING TOPOGRAPHY SHALL BE FOUND ON SHEET C-101, CES, INC..
  3. FIRING POSITIONS WILL HAVE LYNX DETERRENT DEVICES (LDD) COVERS, DETAIL ON SHEET C-104.
  4. RANGE ACCESS ROAD SHALL BE 15 FT WIDE GRAVEL. SEE SHEETS C-102 AND SHEET C-103, CES, INC.
  5. CONTRACTOR SHALL RUN UNDERGROUND ELECTRICAL CONDUIT FROM GENERATOR PAD TO TOWER AND AMMO BUILDING.
  6. RANGE CONTROL TOWER SHALL BE 10' x 10'. SEE PERFORMANCE SPECIFICATION ATTACHED.
  7. VEHICLE PARKING AND ASSEMBLY AREA SHALL BE 2 FT DEPTH AGGREGATE SURFACING IAW TECHNICAL SPECIFICATIONS IN APPENDIX 12 AN DETAIL SHEET C-104.
  8. PLAN ON FILLING 0.5 ACRES OF WETLANDS FOR THIS RANGE ITSELF, EXCLUSIVE OF THE ROADS. SEE CES, INC. SHEET C-101 FOR THIS APPENDIX.
  9. MAY USE NATIVE MATERIALS IF SUITABLE.

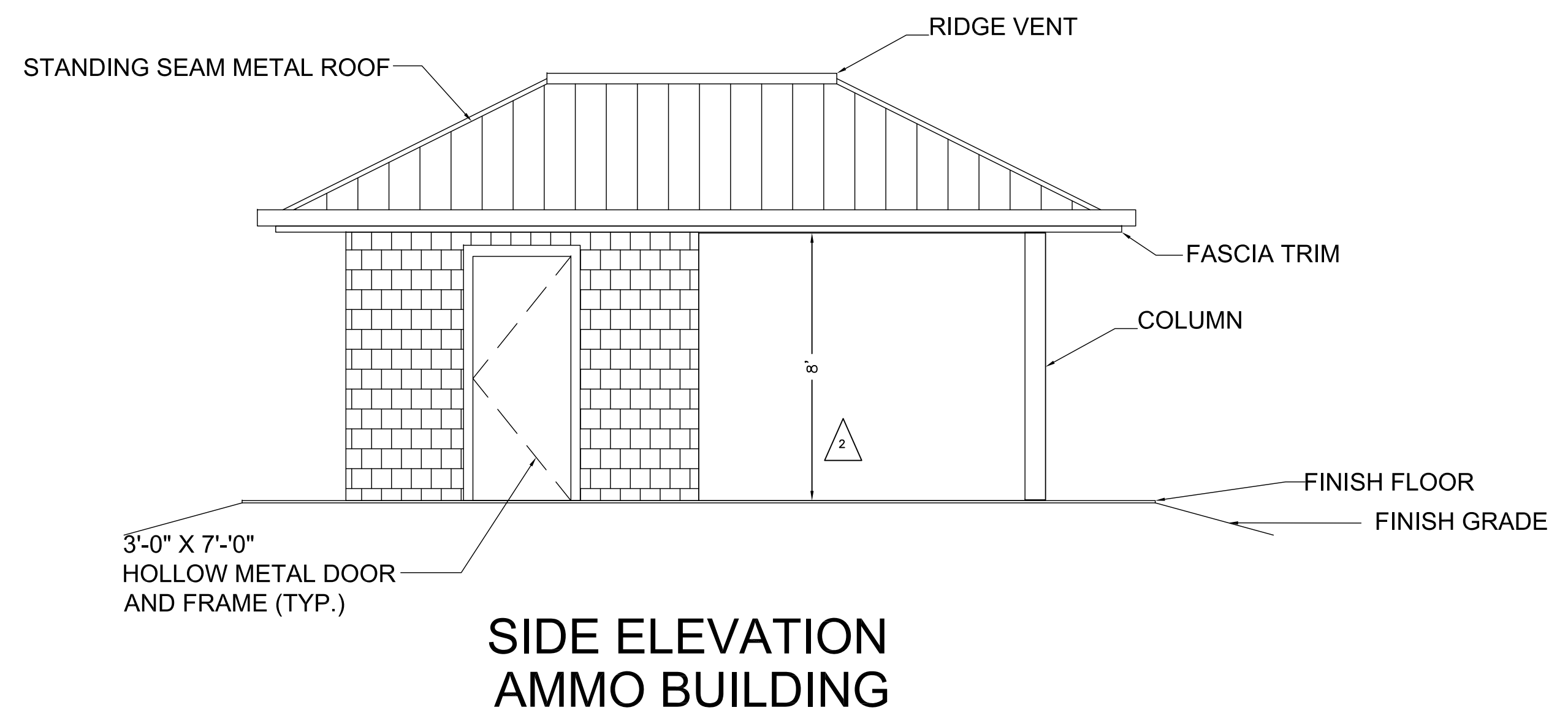
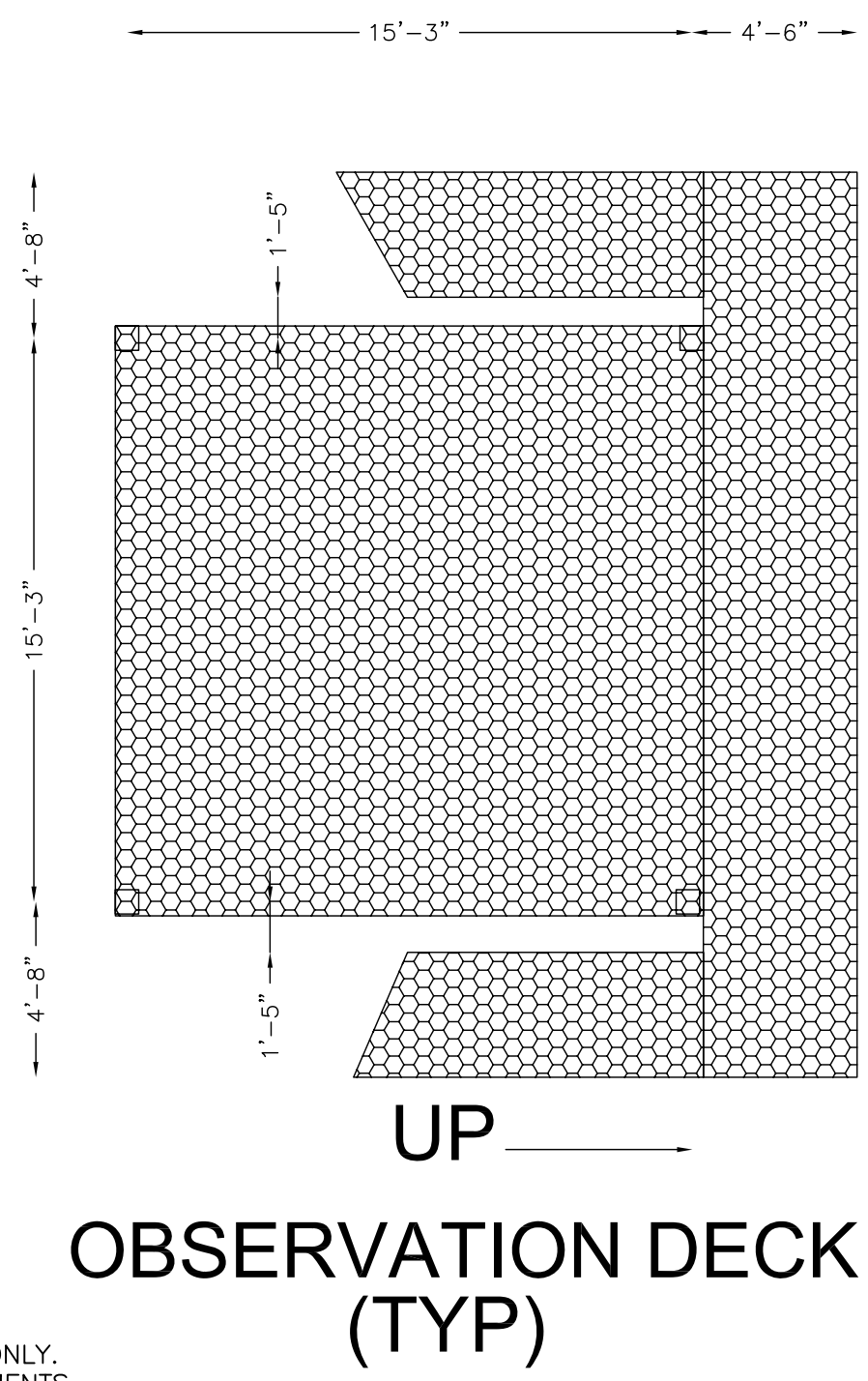
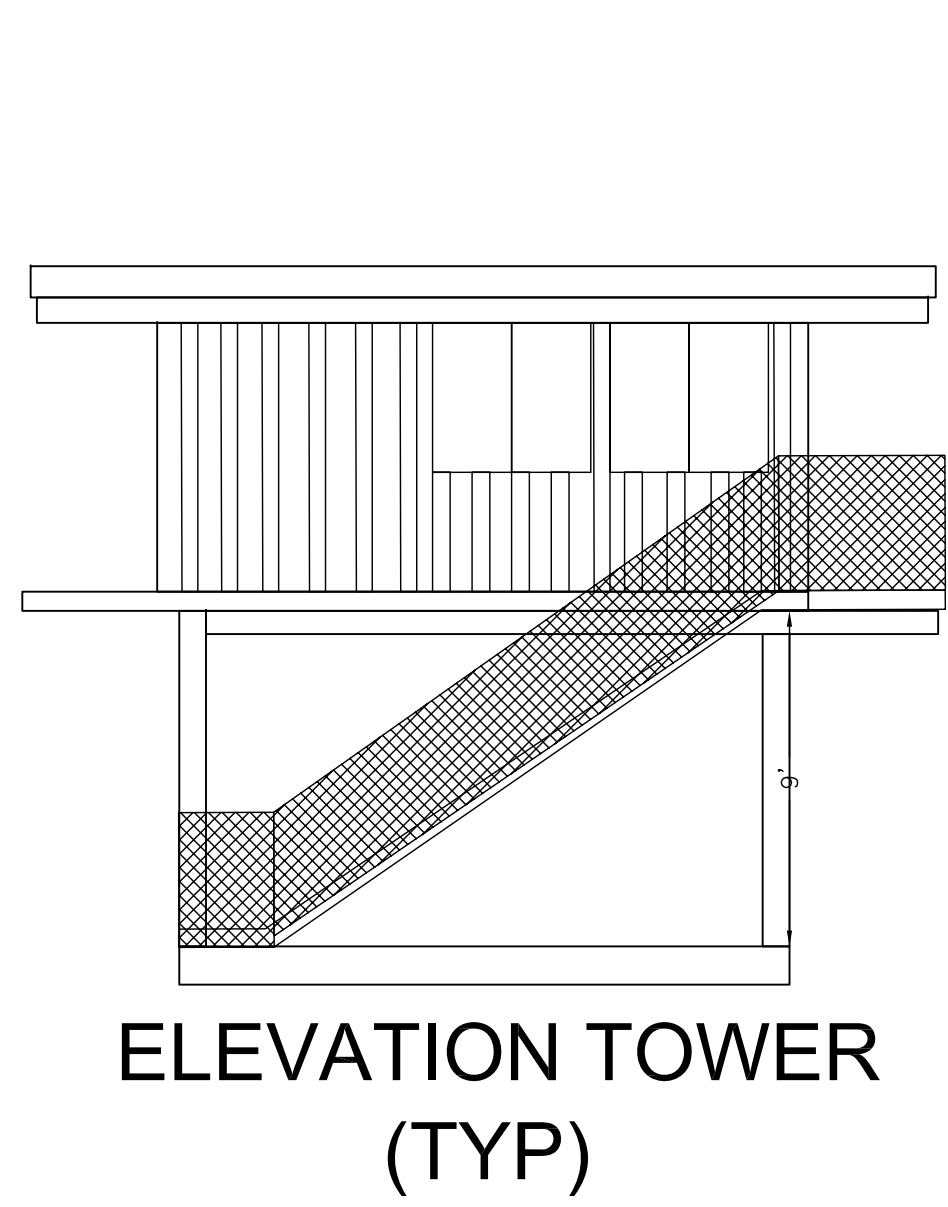


PLAN REVISIONS	Rev#	Description	Date	Appr.
	2	Addendum 2	6/1/2020	
	1	Addendum 1	5/26/20	

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:	SCALE:	DFE PROJECT NO.:
	PRL		31/31/2020	N.T.S.	237C19-504
<b>STATE OF MAINE</b> DEPARTMENT OF DEFENSE, VETERANS AND EMERGENCY MANAGEMENT Consultant Name Direc. of Facilities Engineering Bldg. 7, Camp Keyes Consultant Town and State 207-430-6329 paul.r.lapointe.ng@mail.mil					

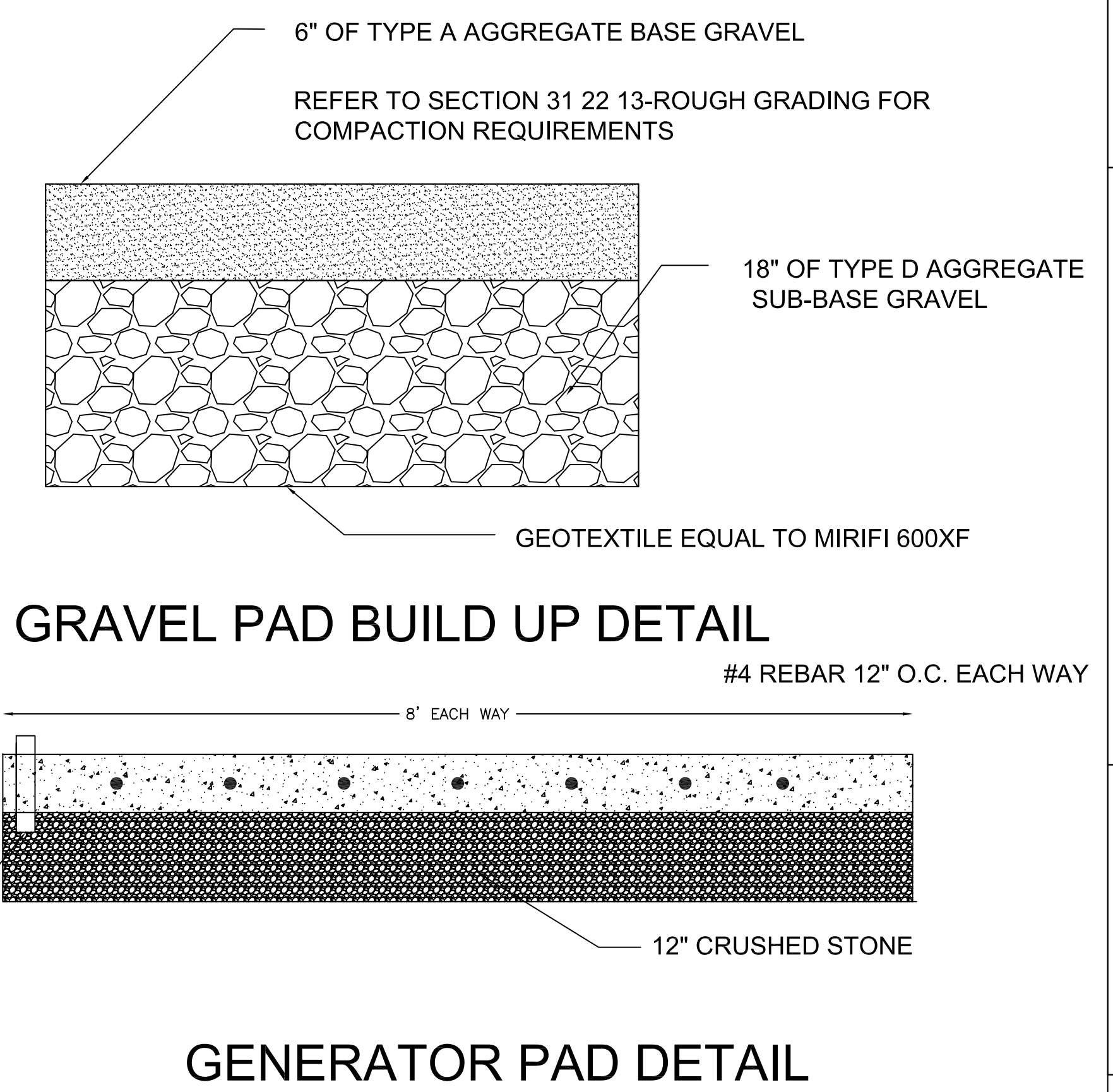
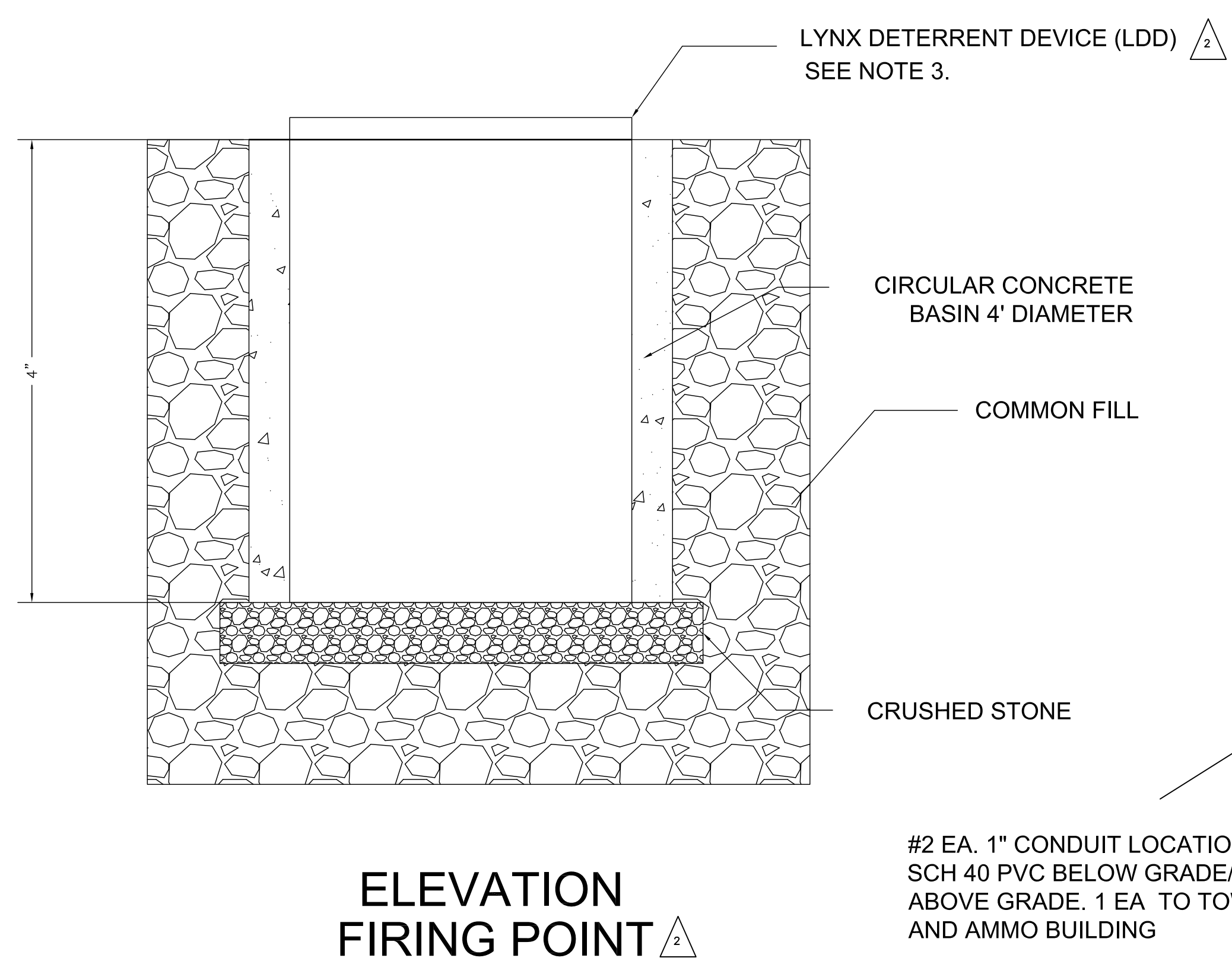
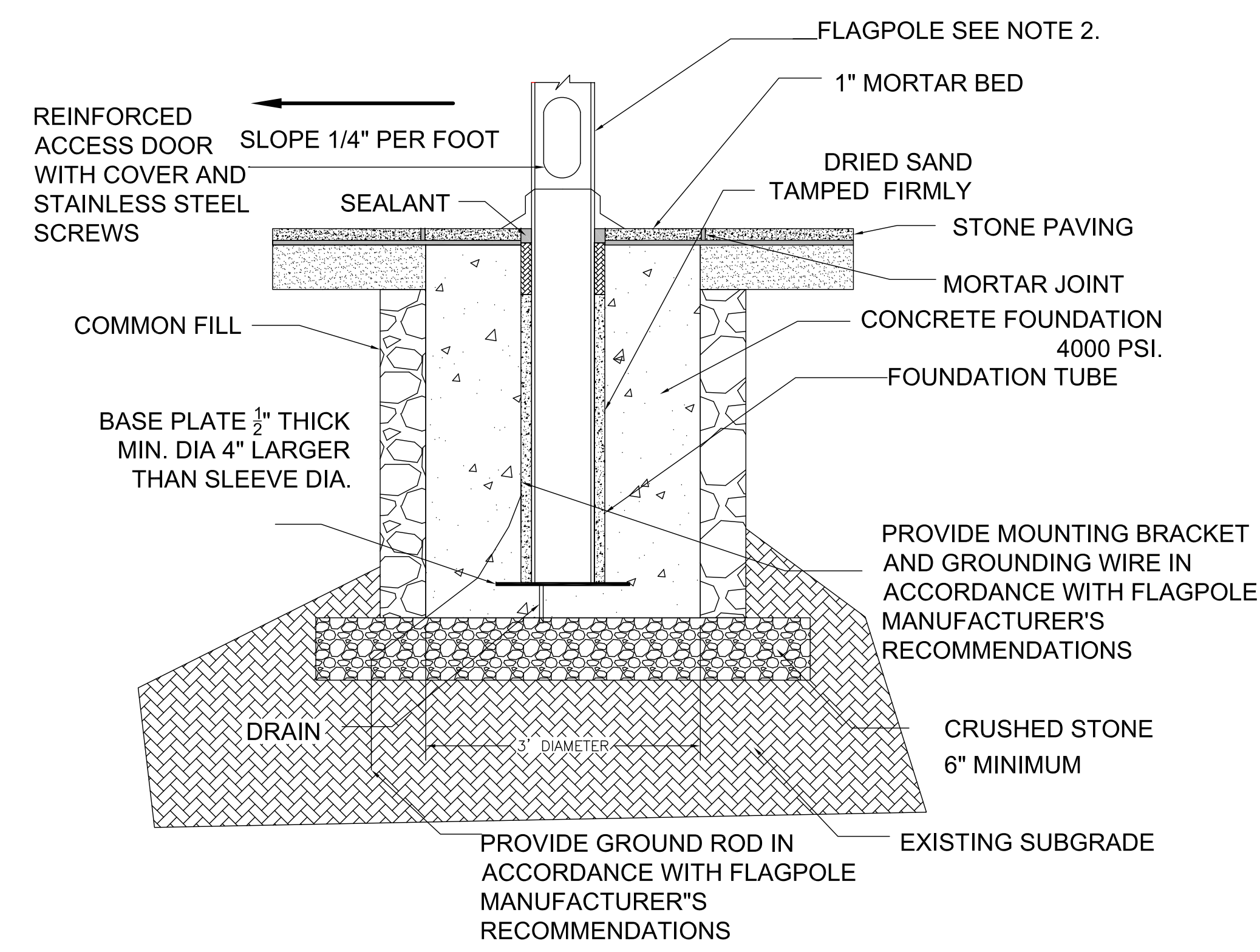
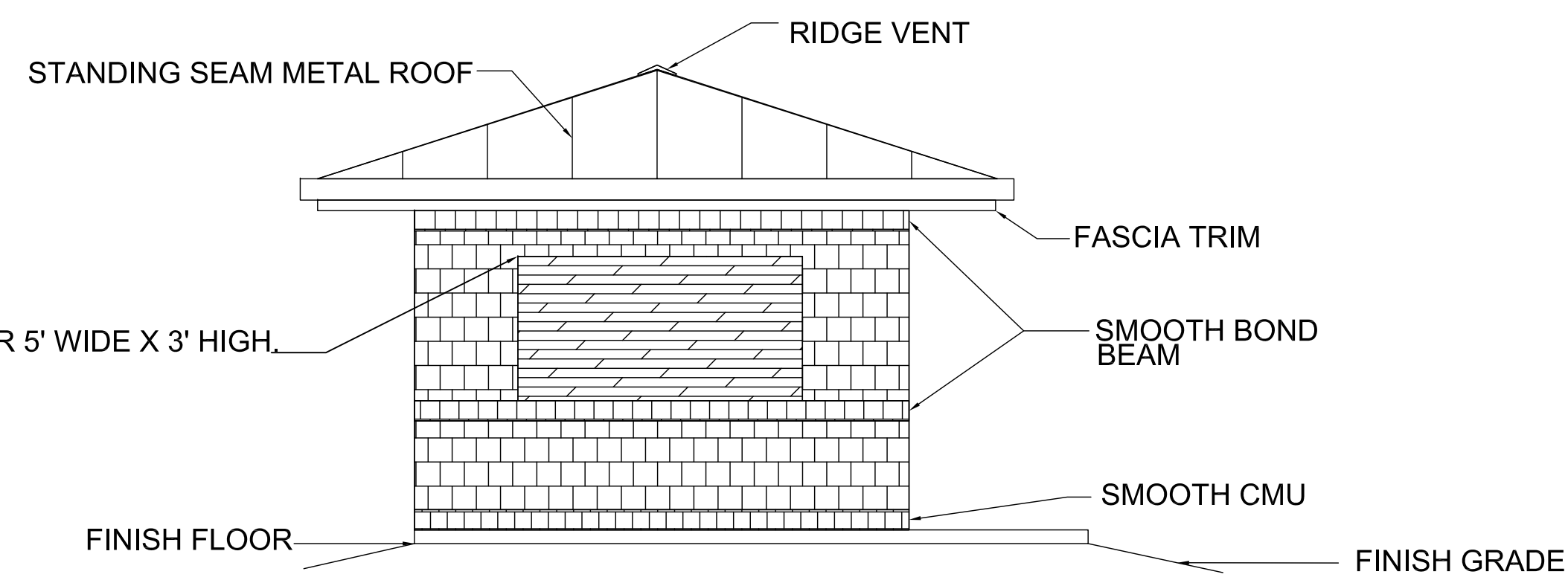
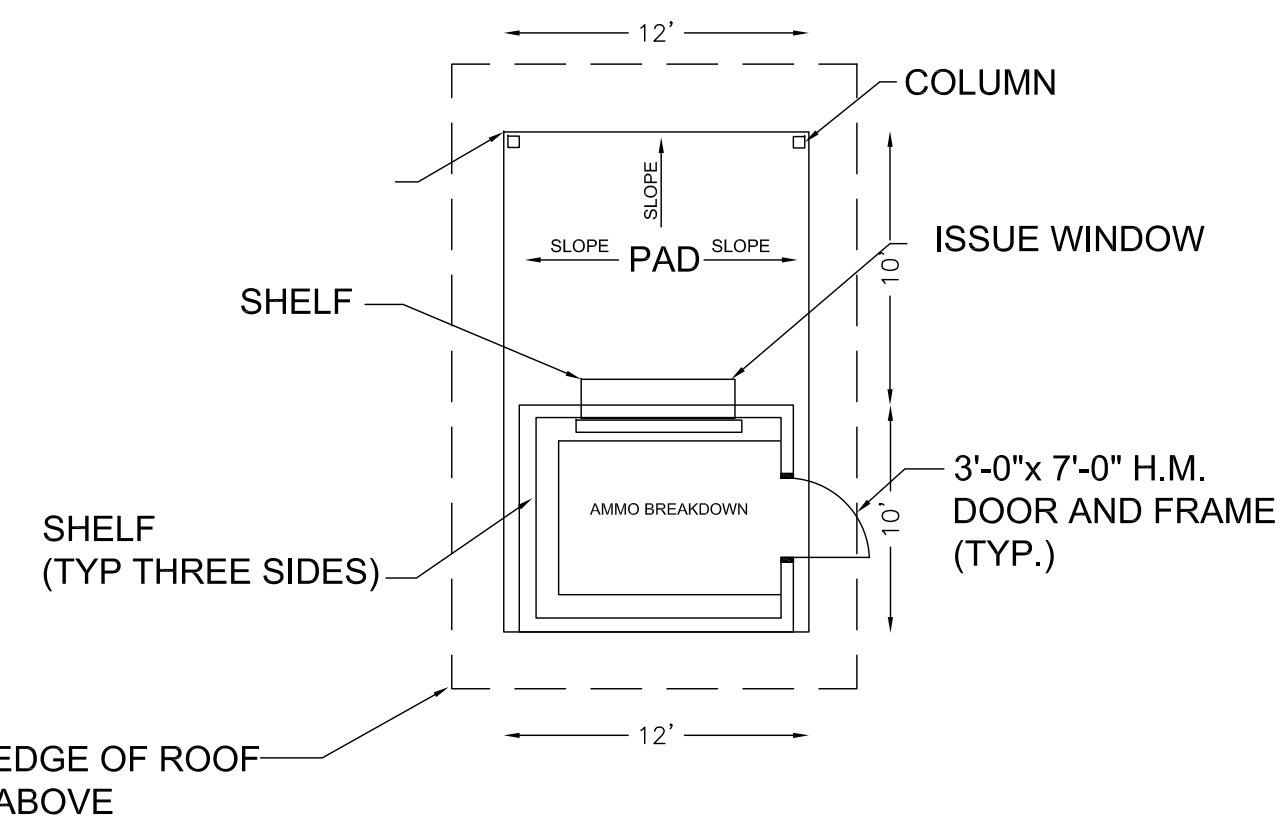
25 Meter Range T2 R9 TWP, Maine	SITE PLAN 25 METER RANGE
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<b>PLAN PROGRESS</b> <input type="checkbox"/> DRAFT <input type="checkbox"/> 35% REVIEW <input type="checkbox"/> 50% REVIEW <input type="checkbox"/> 95% REVIEW <input type="checkbox"/> FINAL REVIEW <input type="checkbox"/> FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTRUCTION <input type="checkbox"/> RECORD DRAWINGS
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NOTE: TOWER ILLUSTRATIONS FOR REFERENCE ONLY. SEE PERFORMANCE SPECIFICATION FOR REQUIREMENTS

- GENERAL NOTES:**
- EXISTING TOPOGRAPHY SHALL BE FOUND ON SHEET C-102.
  - FLAGPOLE SHALL BY 20 FEET HIGH MINIMUM.
  - LYNX DETERRENT DEVICE (LDD). CIRCULAR PIECE OF PRESSURE TREATED PLYWOOD THAT CAN BE PLACED ON TOP OF THE FIGHTING POSITION THAT WILL SECURELY PREVENT ANIMALS FROM FALLING INTO THE POSITION AND BECOMING TRAPPED.
  - SEE PERFORMANCE SPECIFICATION FOR RANGE TOWER.
  - CONCRETE SLAB FOR AMMO BUILDING IS 6" REINFORCED WITH WITH #4 REBAR 12" O.C. EACH WAY.
  - AMMO BUILDING REQUIRES SWITCHING FOR INTERIOR LIGHTING TWO (2) EA. AS WELL AS EXTERIOR LIGHTS (1 EA.) ABOVE ENTRY DOOR AND ISSUE WINDOW. LIGHTING SHALL CONSIST OF LED FIXTURES. ALL ELECTRICAL IAW NEC.
  - BASIS OF DESIGN OVERHEAD DOOR MODEL 651 OR EQUAL INSTALLED PER MANUFACTURE'S REQUIREMENTS.



PLAN REVISIONS

Rev#	Description	Date	Appr.
1	ADDENDUM 2	6/1/2020	

DESIGNED BY: PRL  
 DRAWN BY: PRL  
 CHECKED BY: CHECKEDBY  
 DATE: 5/15/2020  
 SCALE: N.T.S.  
 DFE PROJECT NO: 237C20-508

**STATE OF MAINE**  
 DEPARTMENT OF DEFENSE, VETERANS  
 AND EMERGENCY MANAGEMENT

DFE GSD  
 BLDG.7CAMPKEYES  
 194 WINTROP STREET  
 207-4-306329

25METER RANGE T2R9TWP  
 PROJECT\_DESCRIPTION  
 25METER RANGE DETAILS

**PLAN PROGRESS**

DRAFT  
 35\_REVIEW  
 50\_REVIEW  
 95\_REVIEW  
 FINAL\_REVIEW  
 FOR\_BIDDING  
 ISSUED\_FOR\_CONSTRUCTION  
 RECORD\_DRAWINGS