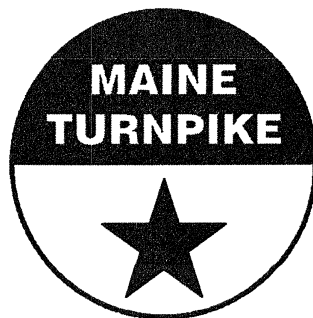


LOCATION MAP



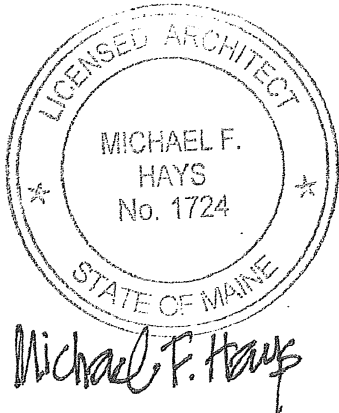
THE GOLD STAR
MEMORIAL HIGHWAY

MAINE TURNPIKE AUTHORITY

MICHAEL J. CIANCHETTE, CHAIR
JANE L. LINCOLN, VICE CHAIR
THOMAS J. ZUKE, MEMBER
ANDREW MCLEAN, MEMBER
NINA A. FISHER, MEMBER
EMILY BECKER, MEMBER
BRUCE A. VAN NOTE, MEMBER EX-OFFICIO

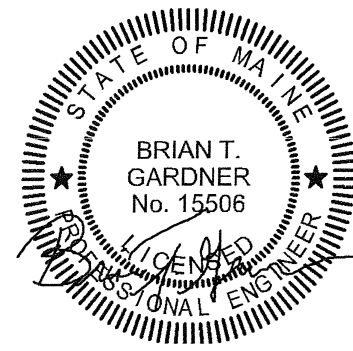
ANDRE J. BRIERE, EXECUTIVE DIRECTOR

CONTRACT 2025.11 AUBURN VEHICLE STORAGE GARAGE MILE 76.9



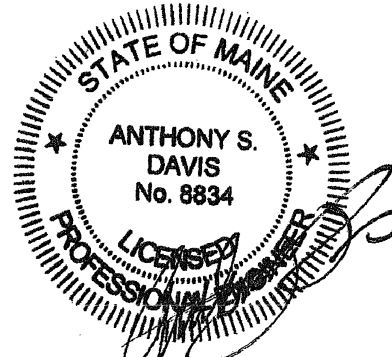
SHEETS
A-0 TO A-8

Michael F. Hays, R.A.
Grant-Hays Associates, Inc.
4/25/2025



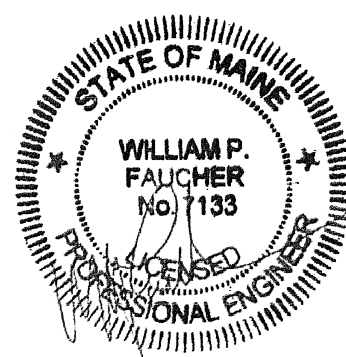
SHEETS
S-000 TO SB-501

Brian T. Gardner, P.E.
Allied Engineering
A Salas O'Brien Company
4/25/2025



SHEETS
P000 TO MH100

Anthony S. Davis, P.E.
Allied Engineering
A Salas O'Brien Company
4/25/2025



SHEETS
E-000 TO EP500

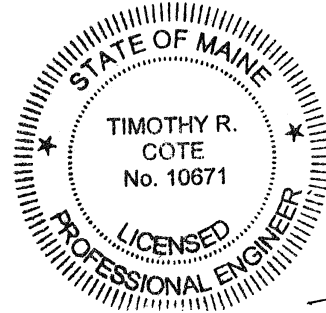
William P. Faucher, P.E.
Allied Engineering
A Salas O'Brien Company
4/25/2025

INDEX OF SHEETS

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CONTRACT 2025.11

HNTB



TIMOTHY R. COTE, P.E.
VICE PRESIDENT | PROJECT DIRECTOR

4/28/2025
DATE

APPROVED:
MAINE TURNPIKE AUTHORITY

Peter S. Merfeld
PETER S. MERFELD, P.E. - CHIEF OPERATING OFFICER

4/29/25
DATE

Stephen R. Tartre
STEPHEN R. TARTRE, P.E., - CHIEF ENGINEER/DIRECTOR OF ENGINEERING

4/29/25
DATE

John W. Cannell
JOHN W. CANNELL, P.E. - DIRECTOR OF MAINTENANCE

4/30/25
DATE

Date:4/30/2025

Filename: 002_GeneralNotes.dgn

GENERAL

1. ALL WORK SHALL CONFORM TO THE MAINE DEPARTMENT OF TRANSPORTATION (MAINEDOT) STANDARD DETAILS FOR HIGHWAYS AND BRIDGES (LATEST REVISION), THE MAINEDOT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL (LATEST REVISION) AND THE 2014 MAINEDOT STANDARD SPECIFICATIONS, EXCEPT AS MODIFIED BY THE MAINE TURNPIKE'S SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS UNLESS OTHERWISE INCLUDED IN THESE PLANS.
2. THE CONTRACTOR SHALL SUBMIT THE PROPOSED STAGING AREA(S) AND FIELD TRAILER LOCATION TO THE RESIDENT.
3. ANY DAMAGE TO PAVEMENT, SLOPES, OR STRUCTURES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL OR OPERATIONS SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
4. LIMITED AS-BUILT PLANS FOR THE EXISTING BUILDINGS ARE AVAILABLE FROM THE AUTHORITY UPON REQUEST.
5. ALL PAVEMENT SHALL BE SAWCUT PRIOR TO REMOVAL. ALL EXISTING PAVEMENT AREAS SHOWN TO BE REMOVED SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION FOR MTA MAINTENANCE VEHICLES AND PERSONNEL.
6. CONTRACTOR SHALL PROVIDE MTA WITH AS-CONSTRUCTED PLANS IN PDF AND CADD FORMATS. THE PLANS SHALL NOTE ALL CHANGES TO, BUT NOT LIMITED TO: PAVEMENT, UTILITIES, DRAINAGE, FOUNDATIONS, WIRING, ETC.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADVANCING THE WORK IN A MANNER THAT ALLOWS THE MAINTENANCE YARD AND ALL OF ITS FACILITIES TO REMAIN OPERATIONAL DURING THE PROJECT. OPERATIONS THAT WILL IMPEDE MTA OPERATIONS SHALL BE COORDINATED A MINIMUM OF 14 DAYS IN ADVANCE OF THE WORK.
8. GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THIS PLAN SET IS FOR THE BIDDER'S AND CONTRACTOR'S USE. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF ACTUAL SUBSURFACE CONDITIONS AT THE TIME OF CONSTRUCTION. THE AUTHORITY SHALL NOT BE RESPONSIBLE FOR THE BIDDER'S AND CONTRACTOR'S INTERPRETATIONS OF, OR CONCLUSIONS DRAWN FROM THE GEOTECHNICAL INFORMATION. THE BORING LOGS CONTAINED IN THE PLAN SET PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.
9. CLEARING LIMITS SHOWN ON THE PLANS ARE APPROXIMATE. FINAL CLEARING LIMITS WILL BE APPROVED BY THE RESIDENT. CLEARING WILL NOT BE PERMITTED IN THE MONTHS OF JUNE OR JULY.
10. RIGHT OF WAY AND PROPERTY LINES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
11. DUST CONTROL IS REQUIRED AND IS INCIDENTAL TO THE CONTRACT.
12. A MAXIMUM OF 3 FOOT CLEAR SPACE SHALL BE PERMITTED BETWEEN BOLLARDS IN FRONT OF THE PROPANE TANKS. BOLLARDS SHALL BE PLACED ON ALL SIDES THAT COULD BE IMPACTED BY VEHICLES.
13. FOLLOWING THE COMPLETION OF WORK THE CONTRACTOR SHALL PROVIDE THE AUTHORITY THREE HARD COPIES OF ALL O&M MANUALS ASSOCIATED WITH THE PROJECT AND ONE LINKED, TABBED, AND SEARCHABLE PDF DOCUMENT CONTAINING ALL O&M MANUALS IN A SINGLE FILE.
14. FOLLOWING THE COMPLETION OF WORK THE CONTRACTOR SHALL PROVIDE ONE HARD COPY AND ONE LINKED, TABBED, AND SEARCHABLE PDF DOCUMENT OF ALL APPROVED SUBMITTALS ASSOCIATED WITH THE PROJECT ORGANIZED BY WORK CATEGORY.
15. A HIGHWAY CLASS PAVER WITH AN EIGHT TO TEN FOOT SCREED (CAT AP555E OR SIMILAR) WILL BE ALLOWED.

EARTHWORK

1. WASTE MATERIALS SHALL BE DISPOSED OF OFF THE PROJECT SITE, IN ACCORDANCE WITH CHAPTER 404, DEPARTMENT OF ENVIRONMENTAL PROTECTION SOLID WASTE MANAGEMENT RULES.
2. EXCAVATIONS ACCOMPLISHED AS PART OF THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH OSHA SUBPART P OF 29 CFR PART 1926.650-652 (CONSTRUCTION STANDARDS FOR EXCAVATION).
3. THE GRUBBING DEPTH HAS BEEN ESTIMATED AS 6 INCHES IN FIELD AREAS AND 12 INCHES IN WOODED AREAS.
4. REMOVAL OF EXISTING PAVEMENT, WITHIN THE AREAS OF FULL DEPTH PAVEMENT AND FULL DEPTH RECONSTRUCTION, SHALL BE PAID FOR AS COMMON EXCAVATION. EXISTING PAVEMENT THICKNESS HAS BEEN ESTIMATED TO BE 5 INCHES.
5. GRANULAR BORROW SHALL BE USED IN THE AREAS SPECIFIED ON THE PLANS, AND TO BACKFILL AREAS OF MUCK EXCAVATION AND IN LOW WET AREAS TO 1' ABOVE THE WATER LEVEL OR OLD GROUND. GRANULAR BORROW USED TO FILL MUCK OR WET AREAS SHALL MEET THE REQUIREMENTS OF GRANULAR BORROW-UNDERWATER BACKFILL. MATERIALS EXCAVATED FROM ON SITE MEETING THE REQUIREMENTS OF GRANULAR BORROW OR GRANULAR BORROW-UNDERWATER BACKFILL SHALL BE REUSED ON SITE. EACH REQUIRED HANDLING OF THE MATERIAL APPROVED BY THE RESIDENT SHALL BE MEASURED FOR PAYMENT AS COMMON EXCAVATION. EACH HANDLING SHALL BE CONSIDERED TO INCLUDE THE OPERATIONS OF EXCAVATING, LOADING, TRANSPORTING, UNLOADING, AND DISPOSING OF EARTH OR ROCK MATERIAL.
6. TOPSOIL STRIPPED IN AREAS OF CONSTRUCTION THAT IS SUITABLE FOR THE REUSE AS LOAM SHALL BE STOCKPILED ON SITE AT A LOCATION TO BE DESIGNATED BY THE OWNER. UNSUITABLE SOIL SHALL BE SEPARATED, REMOVED AND DISPOSED OF AT AN APPROVED DISPOSAL LOCATION OFF SITE.
7. THE CONTRACTOR SHALL ANTICIPATE THAT GROUNDWATER WILL BE ENCOUNTERED DURING CONSTRUCTION AND SHALL INCLUDE SUFFICIENT COSTS WITHIN THEIR BID TO PROVIDE DEWATERING AS NECESSARY. NO SEPARATE PAYMENT SHALL BE MADE TO THE CONTRACTOR FOR DEWATERING.
8. ALL SITE DISTURBANCE WILL REMAIN WITHIN THE GRADING LIMITS SHOWN ON PLANS. NO IMPACT TO WETLANDS ARE AUTHORIZED.
9. FOLLOWING APPROVAL OF THE EXCAVATION LIMITS, AND PRIOR TO THE PLACEMENT OF BACKFILL, THE EXISTING SUBGRADE SHALL BE PROOF COMPACTED AS FOLLOWS:
- A) AREAS OF FOOTING EXCAVATION: PROOF COMPACT SUBGRADE WITH 5 PASSES OF A VIBRATORY COMPACTOR HAVING A STATIC WEIGHT OF AT LEAST 500 POUNDS.

B) AREAS OF SLAB EXCAVATION: PROOF COMPACT SUBGRADE TO AT LEAST 95 PERCENT OF ITS MAXIMUM DRY DENSITY.
10. PROOF COMPACTION SHALL BE CONSIDERED INCIDENTAL TO EARTHWORKS PAY ITEMS.

EROSION CONTROL

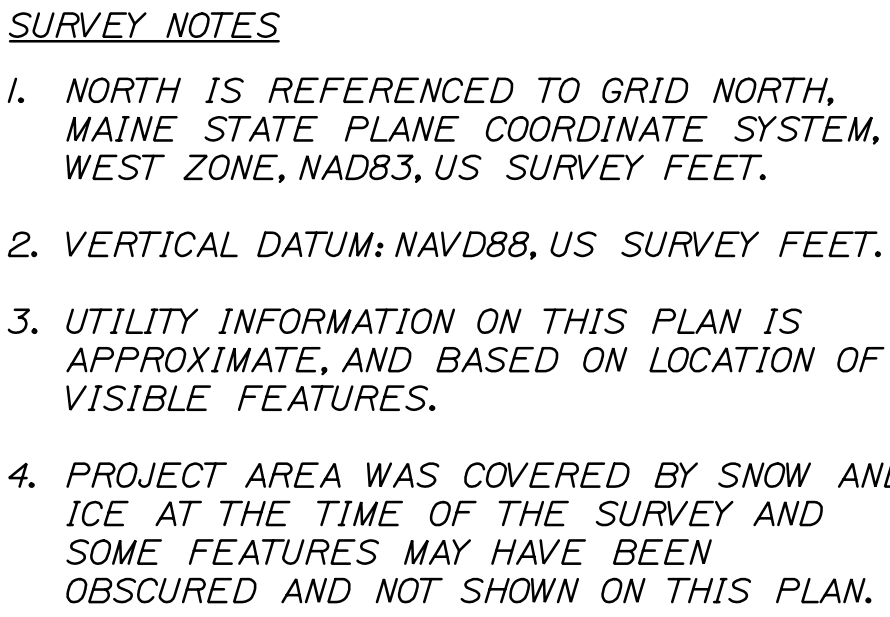
1. THE ANTICIPATED EROSION CONTROL DEVICE LOCATIONS ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROPOSE ACTUAL TYPE AND LOCATION OF DEVICES FOR APPROVAL BY THE RESIDENT. ADDITIONAL MEASURES MAY BE PROPOSED BY THE CONTRACTOR DUE TO SITE OR WEATHER CONDITIONS. THE RESIDENT MAY DIRECT THE CONTRACTOR TO IMPLEMENT ADDITIONAL MEASURES. ANY ADDITIONAL MEASURES APPROVED BY THE RESIDENT WILL BE MEASURED FOR PAYMENT UNDER THE APPROPRIATE BID ITEMS.
2. 4 INCH LOAM HAS BEEN ESTIMATED FOR 100% OF THE DISTURBED SLOPE AREA. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS DESIGNATED BY THE RESIDENT.
3. UNLESS OTHERWISE NOTED, SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS. SEEDING METHOD NO. 2 SHALL BE UTILIZED ON ALL OTHER AREAS.
4. MULCH SHALL BE APPLIED IN AREAS SEEDED EXCEPT WHERE EROSION CONTROL BLANKET IS SPECIFIED.
5. ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MAINE ENVIRONMENTAL PROTECTION BEST MANAGEMENT PRACTICES.
6. TEMPORARY SEED SHALL BE APPLIED TO ALL DISTURBED AREAS THAT WILL NOT BE SEEDED WITH FINAL SEED WITHIN 30 DAYS.
7. TEMPORARY EROSION CONTROL BLANKET, ITEM 613.319 SHALL BE INSTALLED IN ALL DITCHES AND SLOPES 2:1 AND STEEPER FROM THE TOP TO TOE OF SLOPE. LOAM AND SEED SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE EROSION CONTROL BLANKET. LIMITS OF THE EROSION CONTROL BLANKET IN DITCHES SHALL BE 6' WIDE UNLESS OTHERWISE SPECIFIED ON THE PLANS OR AS DESIGNATED BY THE RESIDENT.
8. TEMPORARY STABILIZATION WITH MULCH OR OTHER NON-ERODIBLE COVER IS REQUIRED ON ALL EXPOSED SOILS THAT WILL NOT BE WORKED ON FOR MORE THAN 7 DAYS. AREAS WITHIN 75 FEET OF A WETLAND OR WATERBODY SHALL BE STABILIZED WITHIN 48 HOURS OF THE INITIAL DISTURBANCE OF THE SOIL OR PRIOR TO ANY STORM EVENT, WHICHEVER COMES FIRST.
9. LAND DISTURBING ACTIVITIES SHALL BE ACCOMPLISHED IN A MANNER AND SEQUENCE THAT CAUSES THE LEAST PRACTICAL DISTURBANCE OF THE SITE.
10. PRIOR TO BEGINNING ANY LAND DISTURBING ACTIVITIES, THE CONTRACTOR SHALL INSTALL THE PERIMETER SILT FENCES AND SEDIMENTATION BARRIERS.
11. WATER FROM DEWATERING SHALL BE PUMPED THROUGH A DIRT BAG (SEE DETAIL). DIRT BAG OUTLET LOCATION SHALL NOT BE WITHIN 50' OF AN EXISTING WETLAND. NO SEPARATE PAYMENT WILL BE MADE TO CONTRACTOR FOR PROVIDING THE DIRT BAG, IT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.




DRAINAGE

1. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
2. INLETS AND OUTLETS OF ALL CULVERTS AND DRAIN OUTLETS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
3. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW - UNDERWATER BACKFILL.
4. ONE GREEN DELINEATOR POST SHALL BE INSTALLED AT ALL UNDERDRAIN AND STORM DRAIN OUTLETS.
- UTILITIES
1. EXISTING UTILITIES ON THESE PLANS WERE COMPILED FROM EXISTING PLANS AND VARIOUS OTHER SOURCES. LOCATIONS ARE NOT GUARANTEED TO BE ACCURATE NOR IS IT GUARANTEED THAT ALL UTILITIES ARE SHOWN. NO SEPARATE OR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR DUE TO ANY VARIANCE BETWEEN THE DATA SHOWN ON THE PLANS AND THE ACTUAL FIELD CONDITIONS ENCOUNTERED. THE CONTRACTOR IS REQUIRED TO CALL DIG SAFE AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO THE START OF WORK. ALL PROPOSED SIGN AND EXCAVATION LOCATIONS SHALL BE MARKED AT THE NOTIFICATION TIME. THE RESIDENT ENGINEER SHALL BE PROVIDED AN ELECTRONIC COPY OF ALL DIG SAFE TICKETS WITHIN 24 HOURS OF THEIR RELEASE FOR PROJECT NOTIFICATIONS AND 3RD PARTY UTILITY LOCATOR COORDINATION.
2. THE CONTRACTOR SHALL NOTIFY ALL NON-MEMBERS THROUGH WWW.OKTODIG.COM OR AS OTHERWISE REQUIRED BY THE MAINE PUBLIC UTILITIES COMMISSION. ALL PROPOSED SIGN AND EXCAVATION LOCATIONS SHALL BE MARKED AT THE NOTIFICATION TIME. THE RESIDENT ENGINEER SHALL BE PROVIDED AN ELECTRONIC COPY OF ALL NON-MEMBER NOTIFICATIONS WITHIN 24 HOURS OF THEIR RELEASE.
3. THE CONTRACTOR SHALL NOTIFY THE RESIDENT 10 CALENDAR DAYS PRIOR TO SUBMITTING ANY UTILITY LOCATE REQUESTS AS NOTED ABOVE SO THAT THE RESIDENT CAN ARRANGE FOR MAINE TURNPIKE UNDERGROUND UTILITY LOCATION. ALL PROPOSED SIGN AND EXCAVATION LOCATIONS SHALL BE MARKED AT THE NOTIFICATION TIME. NO EXCAVATION SHALL BE PERMITTED UNTIL THE AUTHORITY HAS LOCATED AND MARKED ITS UNDERGROUND UTILITIES.
4. FOLLOWING THE COMPLETION OF THE INITIAL UTILITY LOCATE THE CONTRACTOR WILL GPS LOCATE ALL UTILITIES WITHIN THE PROJECT LIMITS AND PROVIDE A COPY OF THE DIG SAFE RECORDS TO THE AUTHORITY. THE CONTRACTOR, ACTING AS THE AUTHORITY'S THIRD-PARTY LOCATOR, SHALL BE RESPONSIBLE FOR REMARKING ALL MAINE TURNPIKE FACILITIES WHEN A DIG SAFE UTILITY IS CALLED FOR THE PROJECT. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
5. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. EACH UTILITY WILL NEED TO BE NOTIFIED A MINIMUM OF 10 DAYS PRIOR TO ANY WORK BEING DONE TO THEIR FACILITY.
6. THE UTILITIES INVOLVED IN THIS CONTRACT ARE:
- THE MAINE TURNPIKE AUTHORITY
CENTRAL MAINE POWER COMPANY

7. CONTRACTOR SHALL PROTECT ALL NEW AND EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION AS APPROVED BY THE UTILITY OWNERS. SEE SPECIFICATIONS FOR REQUIRED UTILITY COORDINATION.
8. EXCEPT AS ALLOWED IN THE PROJECT SPECIFICATIONS OR APPROVED BY THE RESIDENT, THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES IN SERVICE AT ALL TIMES.
9. IF THE CONTRACTOR DAMAGES UTILITY SERVICES, HE SHALL IMMEDIATELY NOTIFY THE RESPECTIVE UTILITY COMPANY AND SHALL IMMEDIATELY REPLACE THEM AT HIS OWN EXPENSE.
10. DURING CONSTRUCTION, THE PROPANE TANKS SHALL BE PROTECTED AT ALL TIMES.
11. THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND CONSTRUCTION DRAWINGS FOR THE CONCRETE PROPANE TANK PAD, GENERATOR PAD, GENERATOR BUILDING PAD, AND BUILDING PAD IN ACCORDANCE WITH SPECIAL PROVISION 502.
12. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EMERGENCY BACKUP POWER AND WATER SERVICES ON SITE DURING CONSTRUCTION. SHORT SERVICE OUTAGES ARE PERMITTED. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

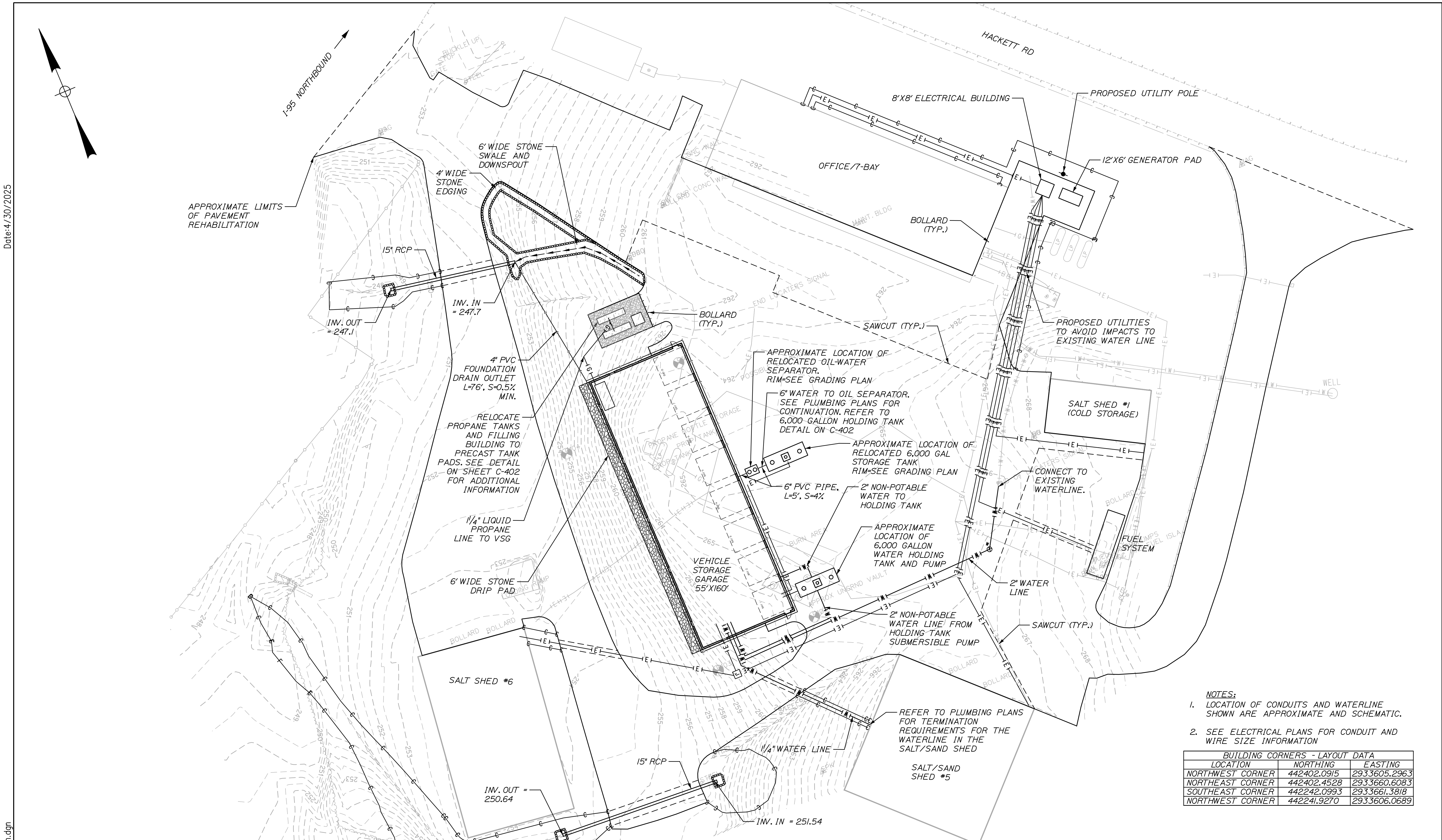
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| Scale: <div>NOT TO SCALE</div> | | | | Designed by: <div>HNTB</div> | | | | HNTB CORPORATION 82 Running Hill Road, Suite 201 South Portland, ME 04106 TEL (207) 774-5155 FAX (207) 228-0909 | | | | <div><div><div>MAINE TURNPIKE</div><div>★</div></div><div>THE GOLD STAR MEMORIAL HIGHWAY</div></div> | | | | AUBURN VEHICLE STORAGE GARAGE | | | |
| No. | Revision | | By | Date | CONSULTANT PROJECT MANAGER: Dale A Mitchell, P.E. | | | | MTA PROJECT MANAGER: Brian Taddeo, P.E. | | | | GENERAL NOTES | | | | | | |
| | | | | | | By | Date | | By | Date | SHEET NUMBER: C-001 | | | | | | | | |
| | | | | | Designed | PEM | 04\25 | Checked | DAM | 04\25 | CONTRACT: 2025.11 | | | | | | | | |
| | | | | | Drawn | PEM | 04\25 | In Charge of | TRC | 04\25 | 2 OF 36 | | | | | | | | |



| | | | | | | | | | | | | | | | | | | | |
|--|----------|--|--|--|----------|-----|-------|---|-----|-------|--|--|--|--|--|-------------------------------|--|--|--|
| Scale: 5002550  Scale of Feet | | | | Designed by:  | | | | HNTB CORPORATION 82 Running Hill Road, Suite 201 South Portland, ME 04106 TEL (207) 774-5155 FAX (207) 228-0909 | | | |  THE GOLD STAR MEMORIAL HIGHWAY | | | | AUBURN VEHICLE STORAGE GARAGE | | | |
| No. | Revision | | | By | Date | | | CONSULTANT PROJECT MANAGER: Dale A Mitchell, P.E. | | | | | | | | | | | |
| | | | | | Designed | By | Date | Checked | By | Date | | | | | | | | | |
| | | | | | Drawn | PEM | 04\25 | In Charge of | DAM | 04\25 | | | | | | | | | |
| | | | | | | PEM | 04\25 | TRC | | 04\25 | | | | | | | | | |
| MTA PROJECT MANAGER: Brian Taddeo, P.E. | | | | | | | | | | | | CONTRACT: 2025.11 | | | | | | | |
| | | | | | | | | | | | | SHEET NUMBER: C-101 | | | | | | | |
| | | | | | | | | | | | | 3 OF 36 | | | | | | | |

Date: 4/30/2025

Filename: 004_Site&UtilityPlan.dgn



- NOTES:**
1. LOCATION OF CONDUITS AND WATERLINE SHOWN ARE APPROXIMATE AND SCHEMATIC.
 2. SEE ELECTRICAL PLANS FOR CONDUIT AND WIRE SIZE INFORMATION

| BUILDING CORNERS - LAYOUT DATA | | |
|--------------------------------|-------------|--------------|
| LOCATION | NORTHING | EASTING |
| NORTHWEST CORNER | 442402.0915 | 2933605.2963 |
| NORTHEAST CORNER | 442402.4528 | 2933660.6083 |
| SOUTHEAST CORNER | 442242.0993 | 2933661.3818 |
| NORTHWEST CORNER | 442241.9270 | 2933606.0689 |

Scale: 25 0 25 50
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Designed by:
HNTB

| No. | Revision | By | Date |
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| CONSULTANT PROJECT MANAGER: Dale A Mitchell, P.E. | | | |
| | By | Date | |
| Designed | PEM | 04\25 | Checked DAM 04\25 |
| Drawn | PEM | 04\25 | In Charge of TRC 04\25 |

HNTB CORPORATION
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South Portland, ME 04106
TEL (207) 774-5155
FAX (207) 228-0909

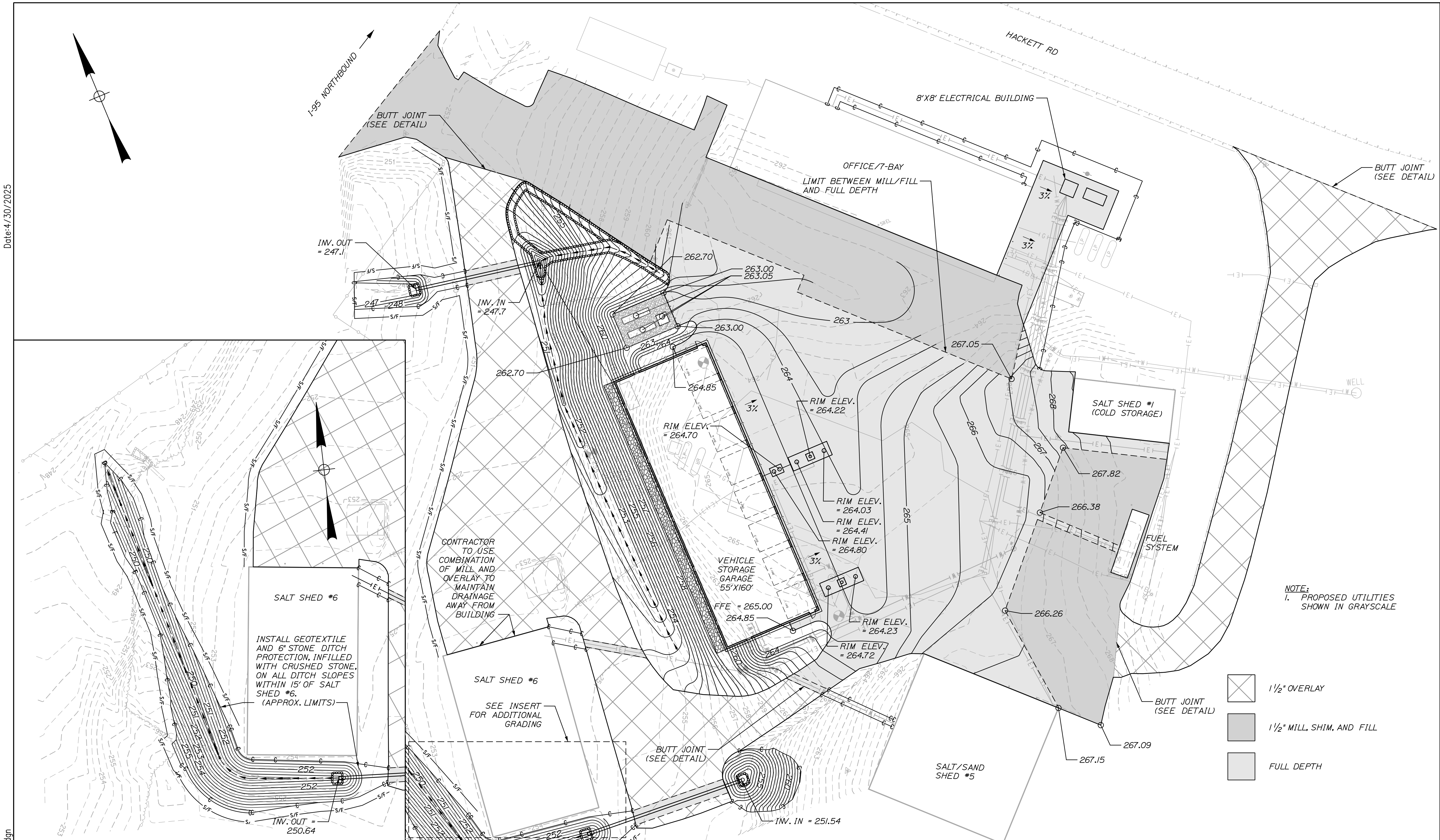
**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Brian Taddeo, P.E.

AUBURN VEHICLE STORAGE GARAGE

SITE & UTILITY PLAN


SHEET NUMBER: C-102
CONTRACT: 2025.11
4 OF 36



Scale: 0 25 50
Scale of Feet

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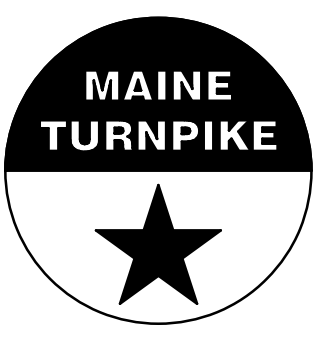
Designed by:



CONSULTANT PROJECT MANAGER: Dale A Mitchell, P.E.

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| | By | Date | | By | Date |
| Designed | PEM | 04\25 | Checked | DAM | 04\25 |
| Drawn | PEM | 04\25 | In Charge of | TRC | 04\25 |

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South Portland, ME 04106
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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian Taddeo, P.E.

AUBURN VEHICLE STORAGE GARAGE

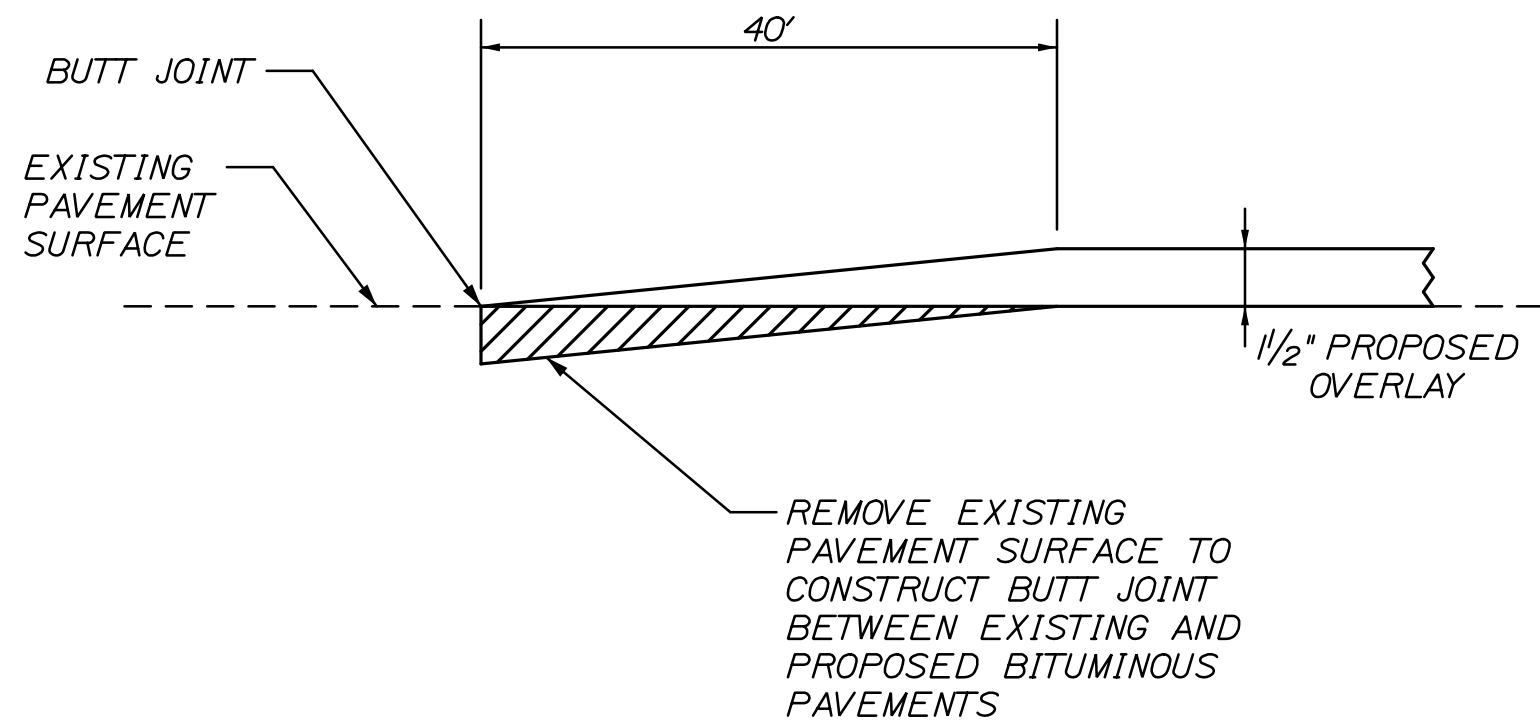
GRADING, DRAINAGE, &
EROSION CONTROL PLAN

SHEET NUMBER: C-103

CONTRACT: 2025.11

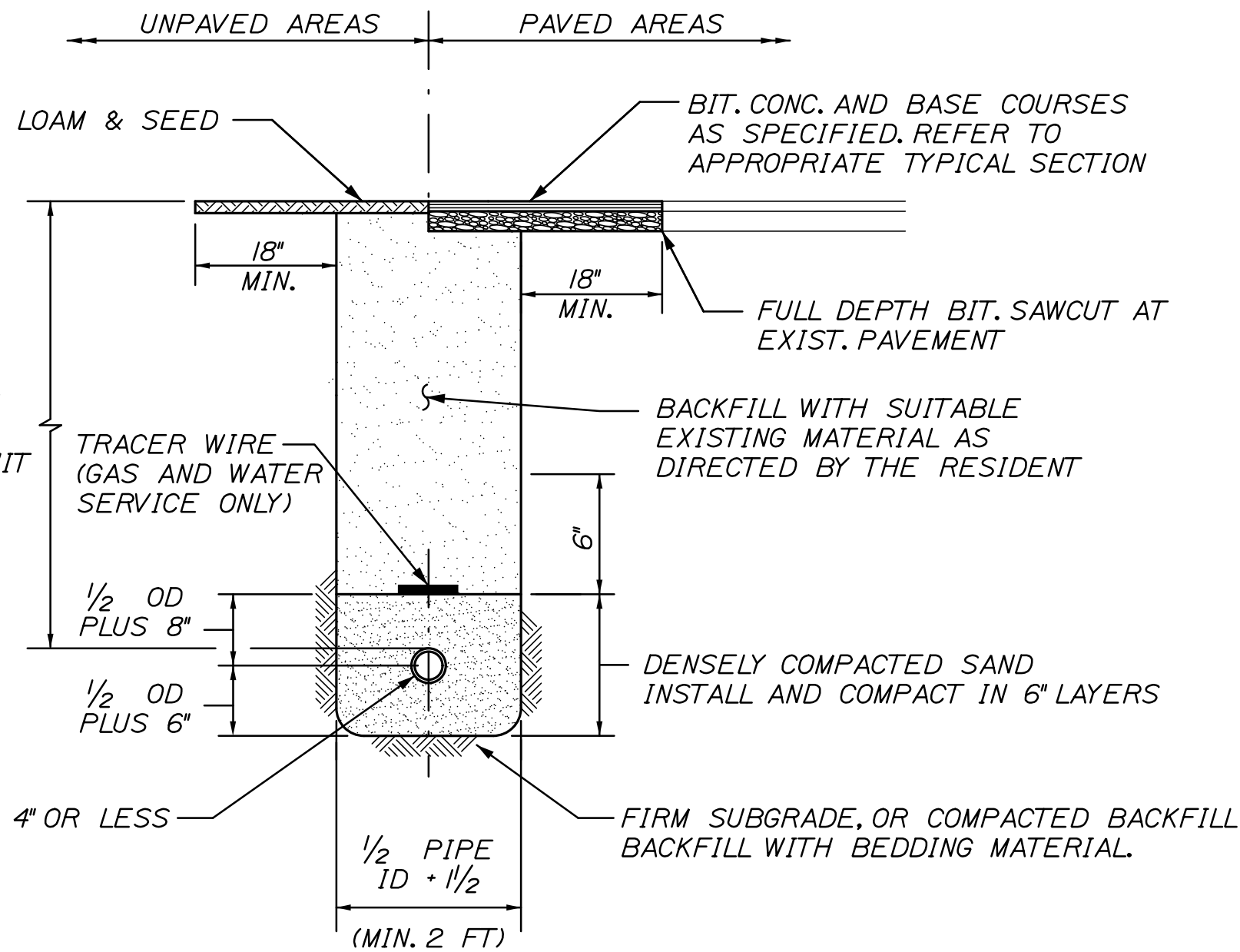
5 OF 36

Date: 4/30/2025



BUTT JOINT DETAIL
N.T.S.

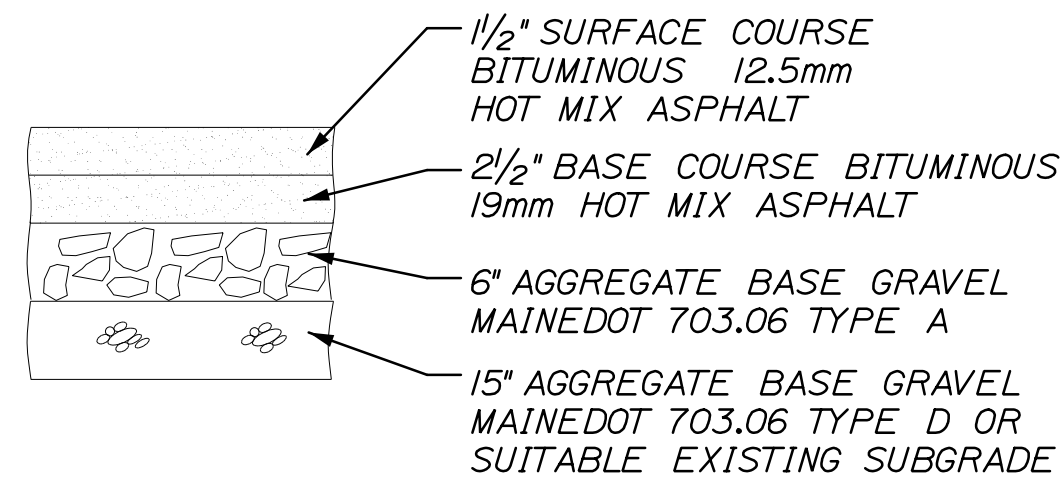
5'-0" (MIN.) WATER SERVICE
2'-6" (MIN.) GAS SERVICE
2'-6" (MIN.) ELECTRICAL CONDUIT



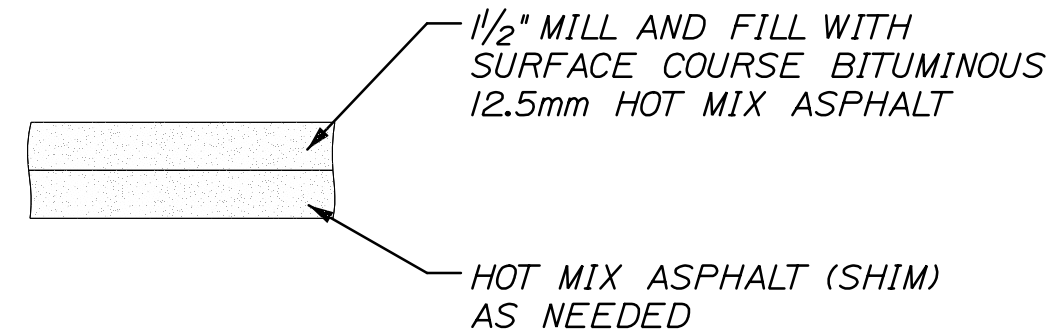
STANDARD PIPE/WATER LINE TRENCH DETAIL
N.T.S.

NOTES:

1. BEDDING SHALL BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY. USE HAND TAMPERS OR VIBRATORY COMPACTORS.
2. CONTRACTOR SHALL SHORE TRENCH SIDES WHEN REQUIRED OR AS DIRECTED BY THE RESIDENT.
3. CONTRACTOR TO INSTALL TRACER WIRE OVER PIPE.
4. ADJACENT CONDUITS/PIPES SHOULD BE SEPARATED HORIZONTALLY BY A MINIMUM OF 6".
5. SEE UNDERDRAIN TRENCH DETAIL FOR UNDERDRAIN AND DRAIN OUTLET TRENCH SECTION



FULL DEPTH

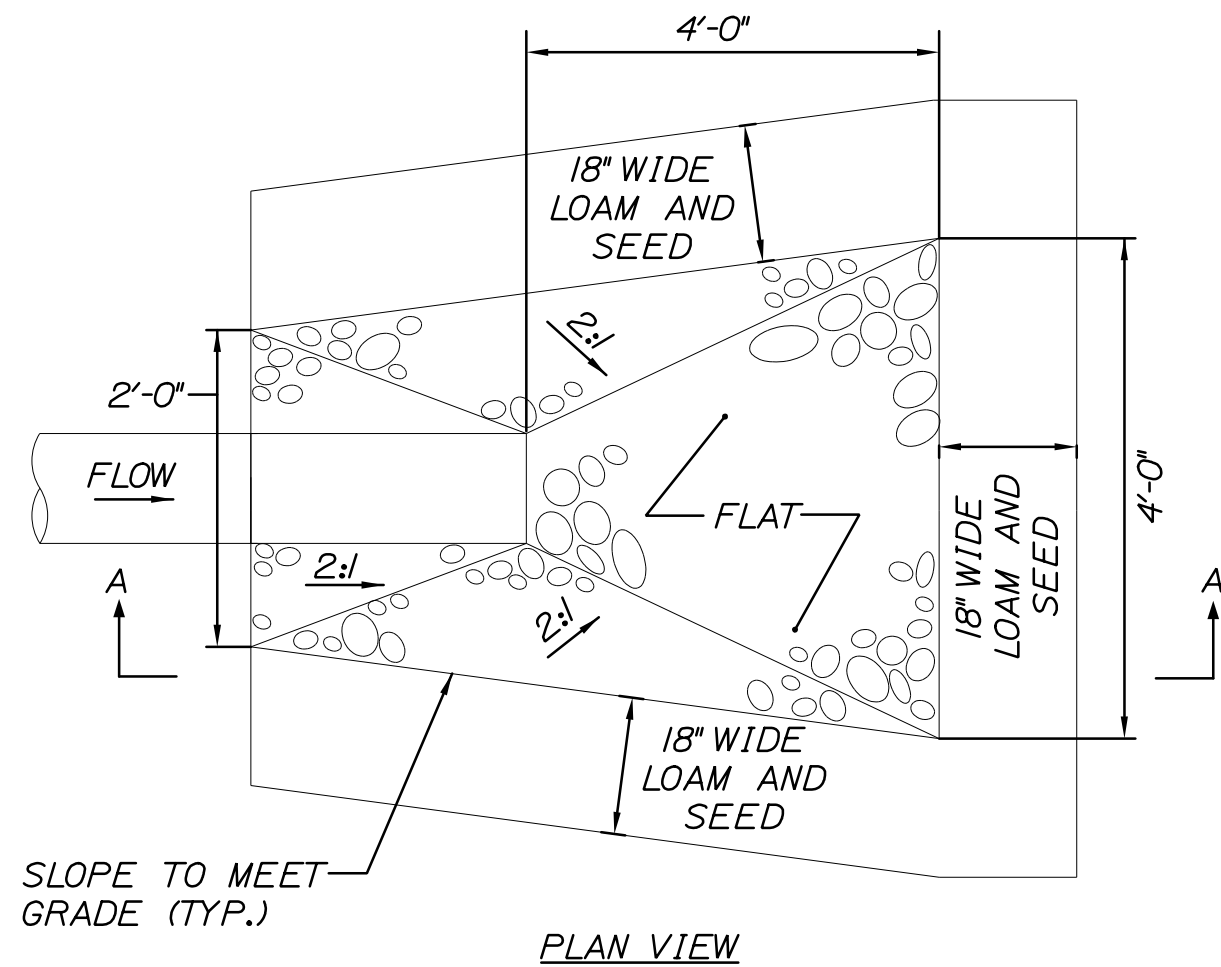


MILL AND FILL

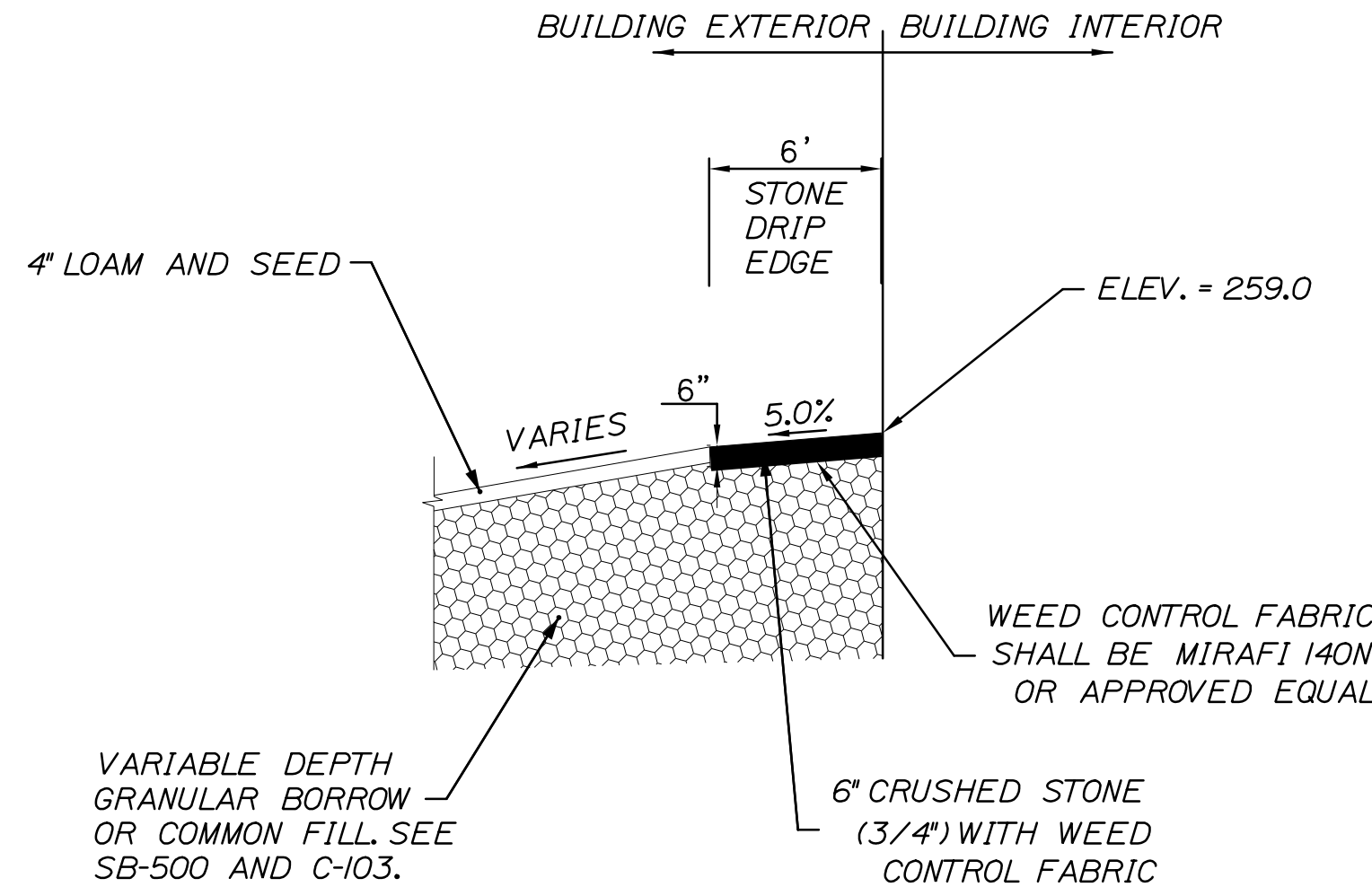
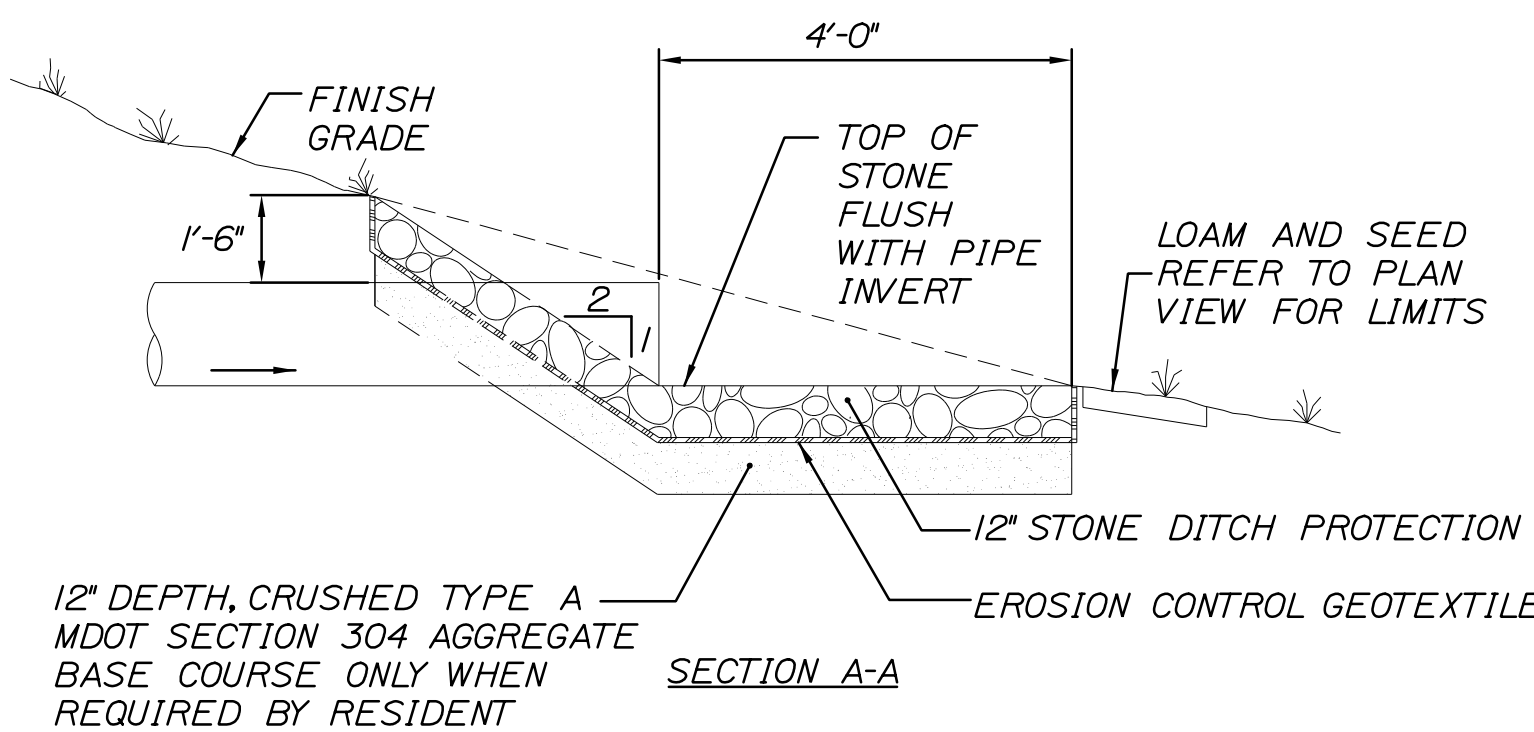
BITUMINOUS PAVEMENT SECTION
NOT TO SCALE

NOTES:

1. COMPACT SUBGRADE TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557.
2. IN AREAS OF PROPOSED PAVEMENT, OUTSIDE THE LIMITS OF EXISTING PAVEMENT, THE CONTRACTOR SHALL PROVIDE FULL DEPTH GRAVEL CONSTRUCTION.
3. WITHIN LIMITS OF EXISTING PAVEMENT, AND AS DIRECTED BY THE RESIDENT, THE CONTRACTOR SHALL NOT REMOVE AND REPLACE EXISTING SUBBASE GRAVEL THAT MEETS REQUIREMENTS OF TYPE D GRAVEL. FOLLOWING ACCEPTANCE OF THE SUBBASE MATERIAL THE CONTRACTOR SHALL SHIM THE SUBBASE LAYER AS REQUIRED TO ALLOW FOR THE SPECIFIED PAYMENT THICKNESS USING AGGREGATE BASE COURSE, TYPE A. THE CONTRACTOR WILL BE PAID BASED ON THE ACTUAL QUANTITY OF MATERIAL REMOVED AND REPLACED.
4. PAVEMENT MILLING SHALL BE VARIABLE DEPTH IN MILL AND FILL AREAS.



DRAIN AND CULVERT OUTLET APRON
NOT TO SCALE



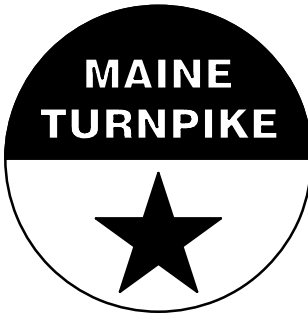
STONE DRIP EDGE DETAIL
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| Scale: 50 0 50 100 Scale of Feet | | | |
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|---|-----|-------|--------------|
| Designed by: | | | |
| HNTB | | | |
| CONSULTANT PROJECT MANAGER: Dale A Mitchell, P.E. | | | |
| | By | Date | By |
| Designed | PEM | 04\25 | Checked |
| Drawn | PEM | 04\25 | In Charge of |

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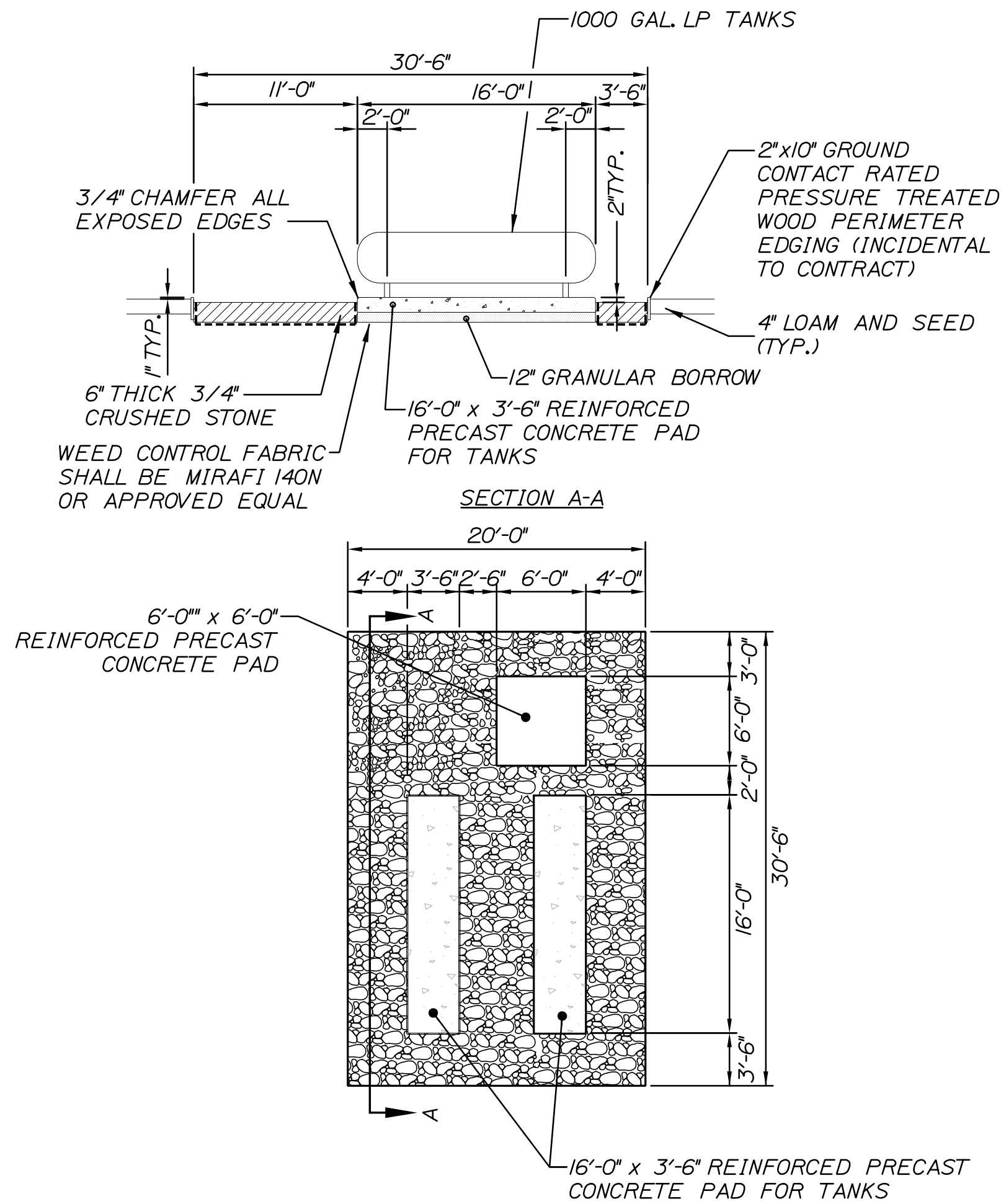


**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Brian Taddeo, P.E.

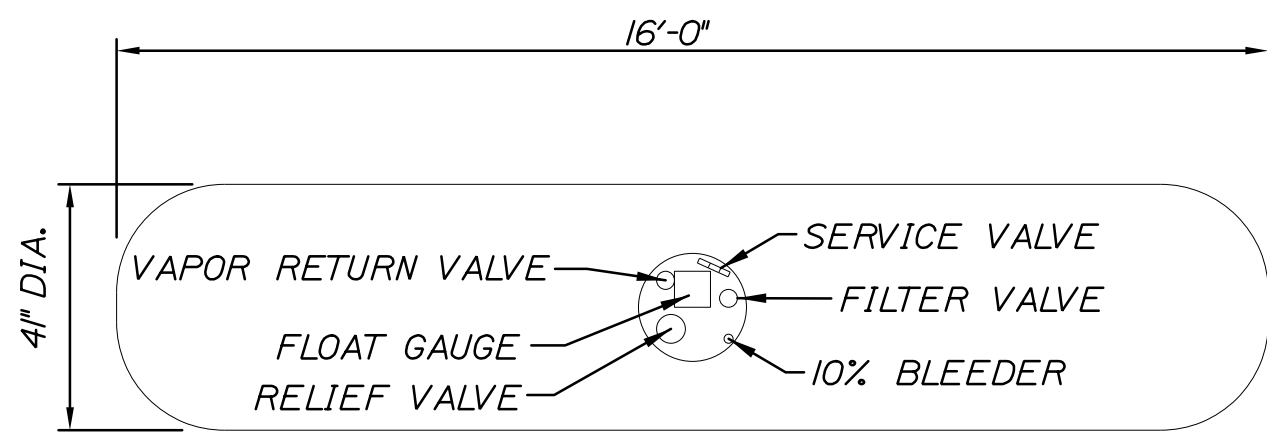
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|-------------------------------|---------------------|
| AUBURN VEHICLE STORAGE GARAGE | |
| DETAILS SHEET 1 | |
| CONTRACT: 2025.11 | SHEET NUMBER: C-401 |
| 6 OF 36 | |

Date: 4/30/2025



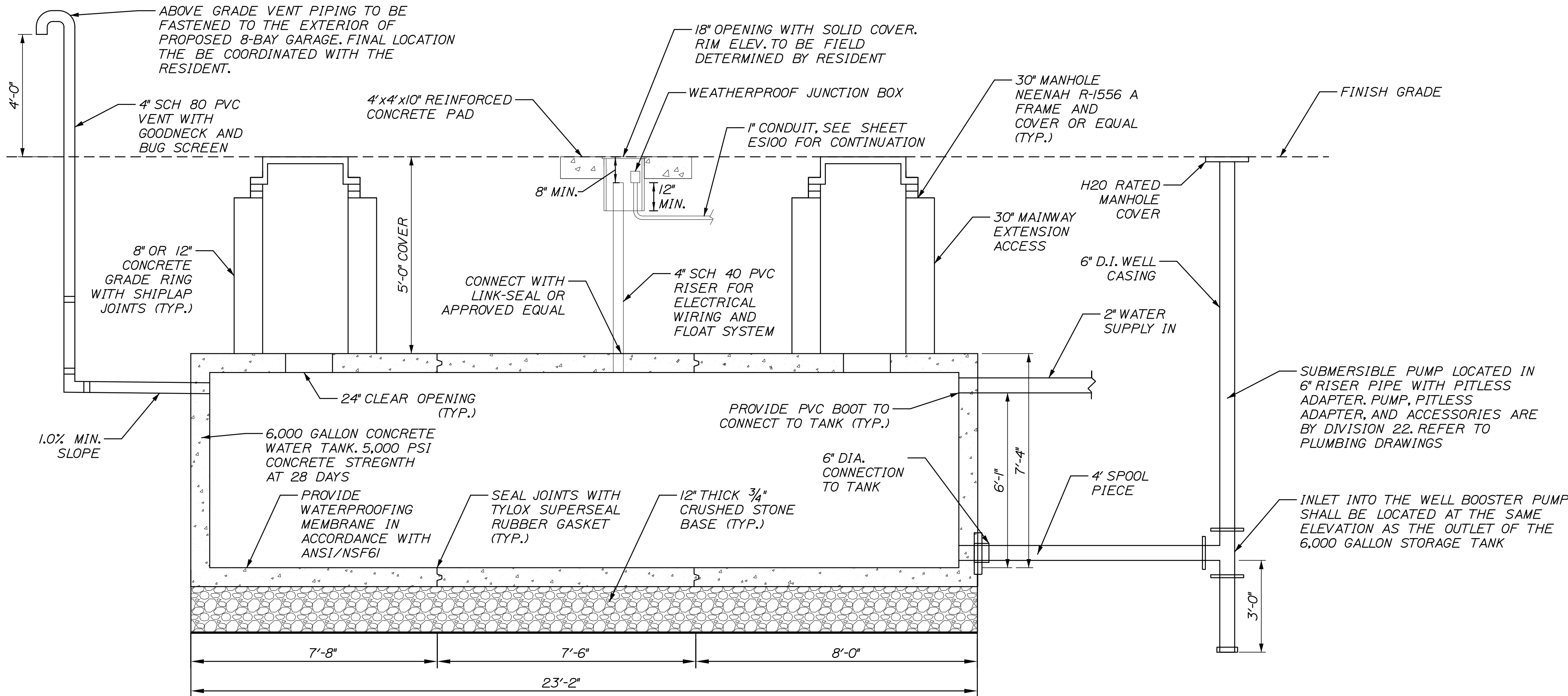
NOTE:
1. PROPANE TANK DIMENSIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR.

ABOVE GROUND PROPANE GAS TANK FARM
NOT TO SCALE

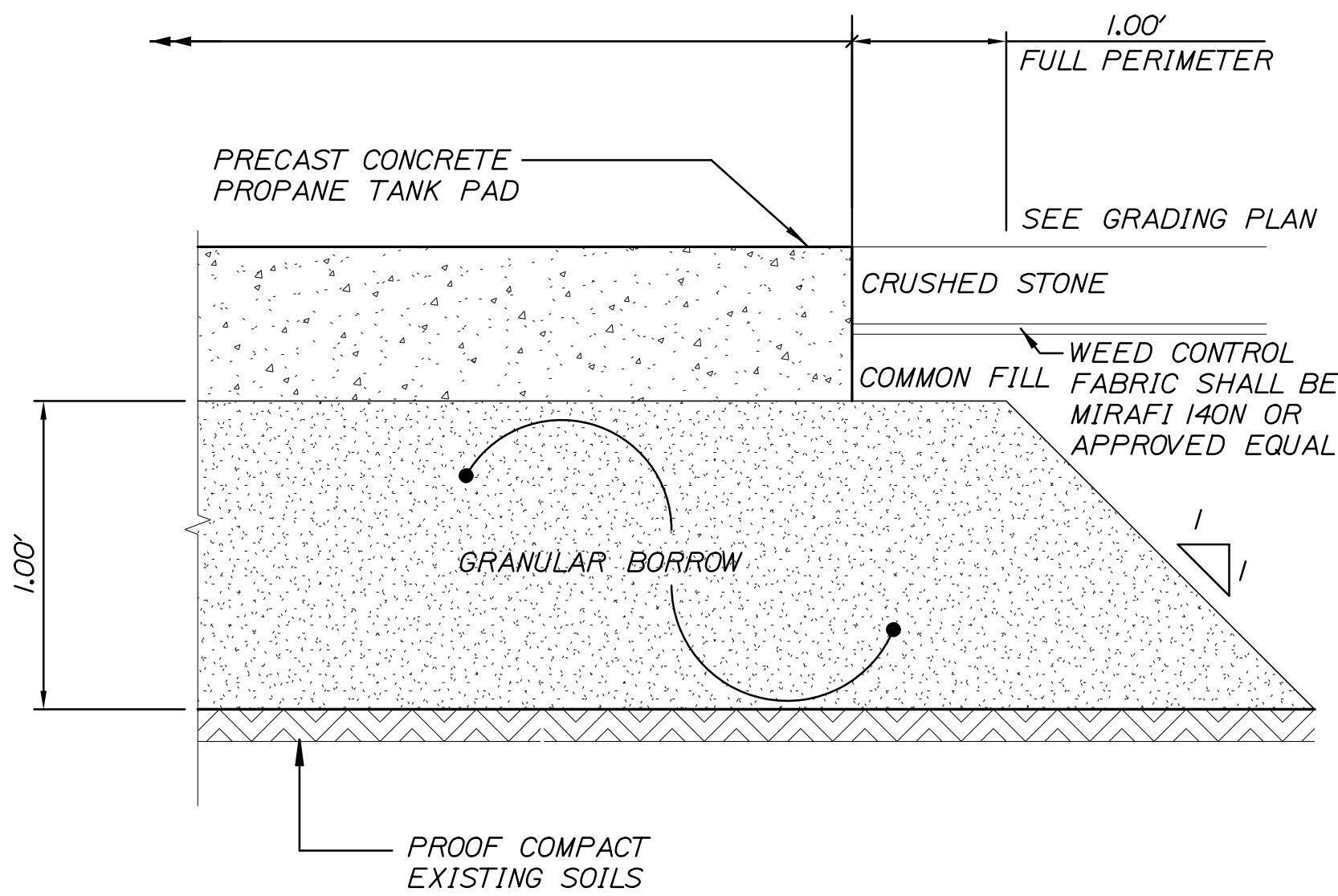


NOTE:
1. USE EXISTING TANKS OR AMERICAN WELDING & TANK ASME TANK OR APPROVED EQUAL TANK INSTALLATION TO BE COORDINATED WITH THE LOCAL GAS UTILITY COMPANY, AND SHALL COMPLY WITH ITS STANDARDS.

1,000 GALLON PROPANE GAS STORAGE TANK
NOT TO SCALE

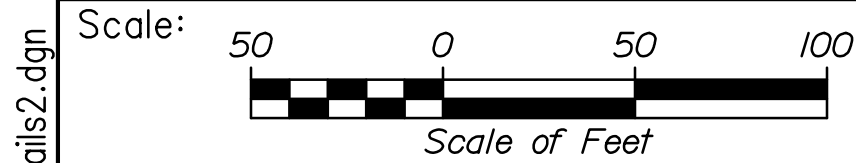


- NOTES:
- 4"x4"x10" REINFORCED CONCRETE SLAB SHALL BE FABRICATED IN ACCORDANCE WITH SECTION 502 STRUCTURAL CONCRETE. THE CONCRETE SLAB SHALL BE INSTALLED AROUND AN 18" UNIVERSAL MODEL 98 - MULTI-PURPOSE MANHOLE (OR APPROVED EQUAL).
 - ALL TANKS, COVERS AND RISERS SHALL BE H-20 RATED.



NOTE:
1. THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS FOR THE CONCRETE PROPANE TANK PAD IN ACCORDANCE WITH SPECIAL PROVISION 502.

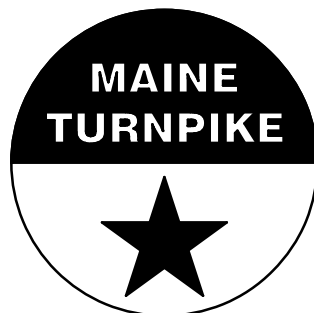
PRECAST CONCRETE PROPANE TANK PAD
NOT TO SCALE



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THE GOLD STAR
MEMORIAL HIGHWAY

AUBURN VEHICLE STORAGE GARAGE

DETAILS SHEET 2

SHEET NUMBER: C-402

CONTRACT: 2025.11

7 OF 36

Filename: 007_Details2.dgn

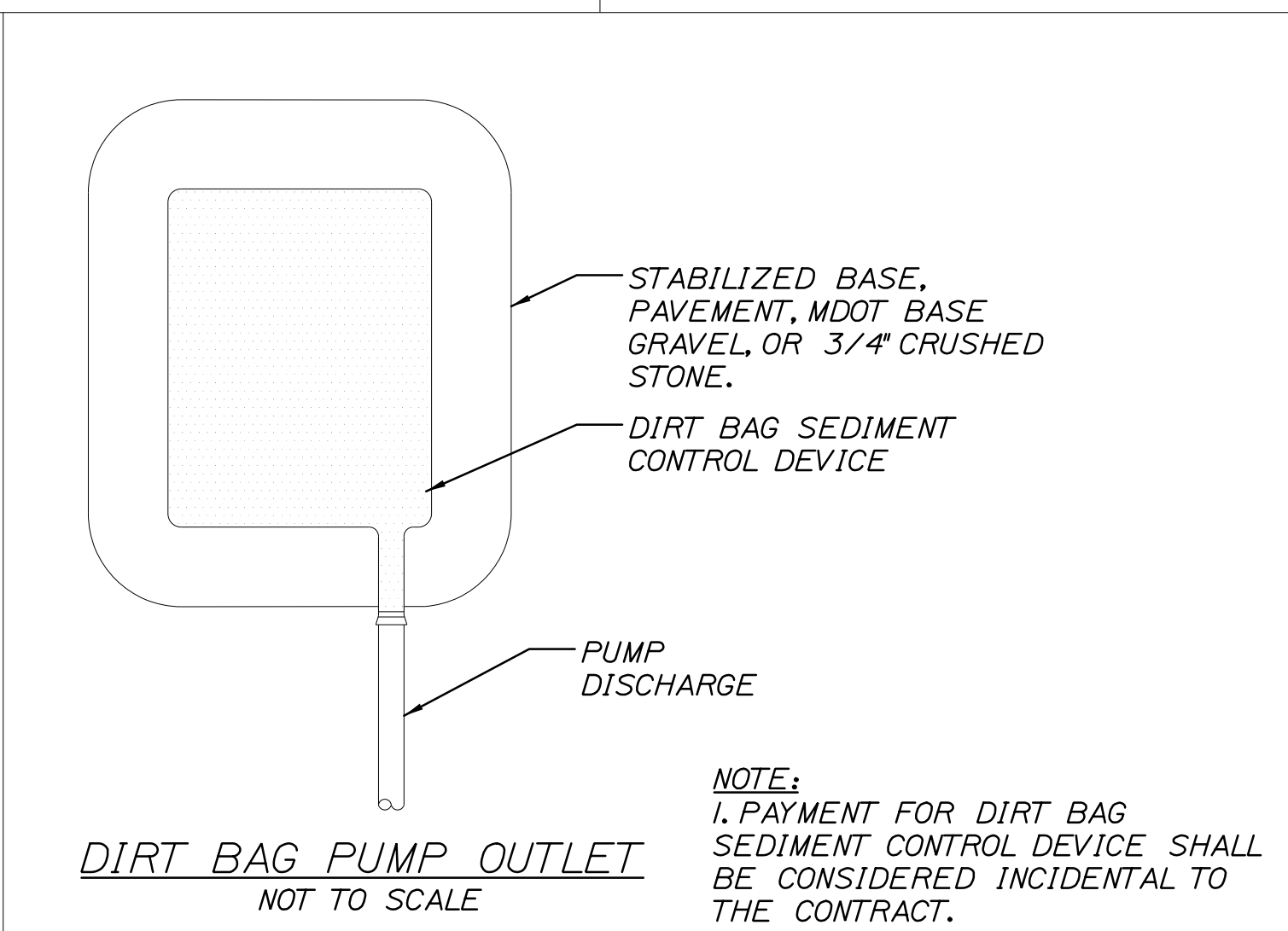
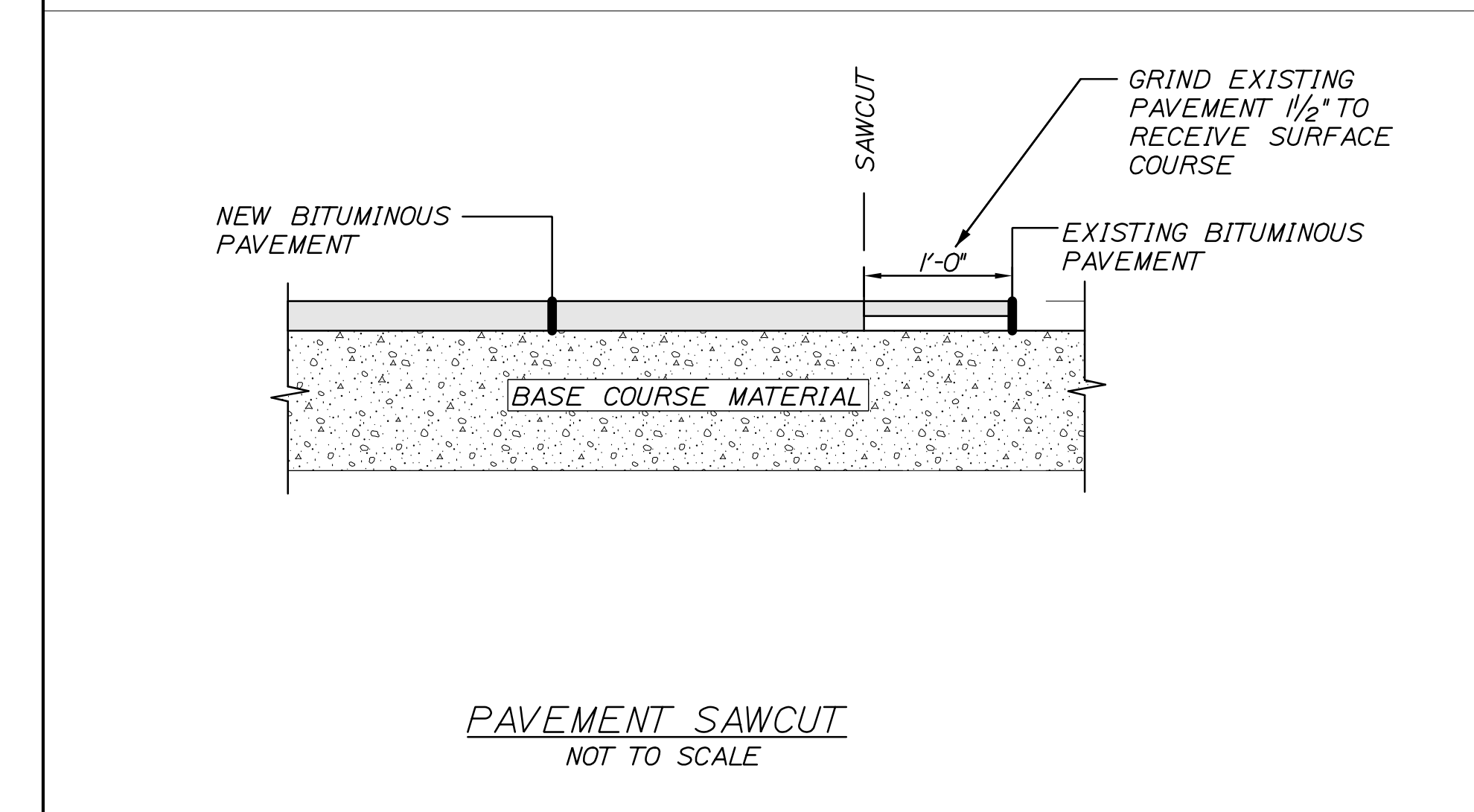
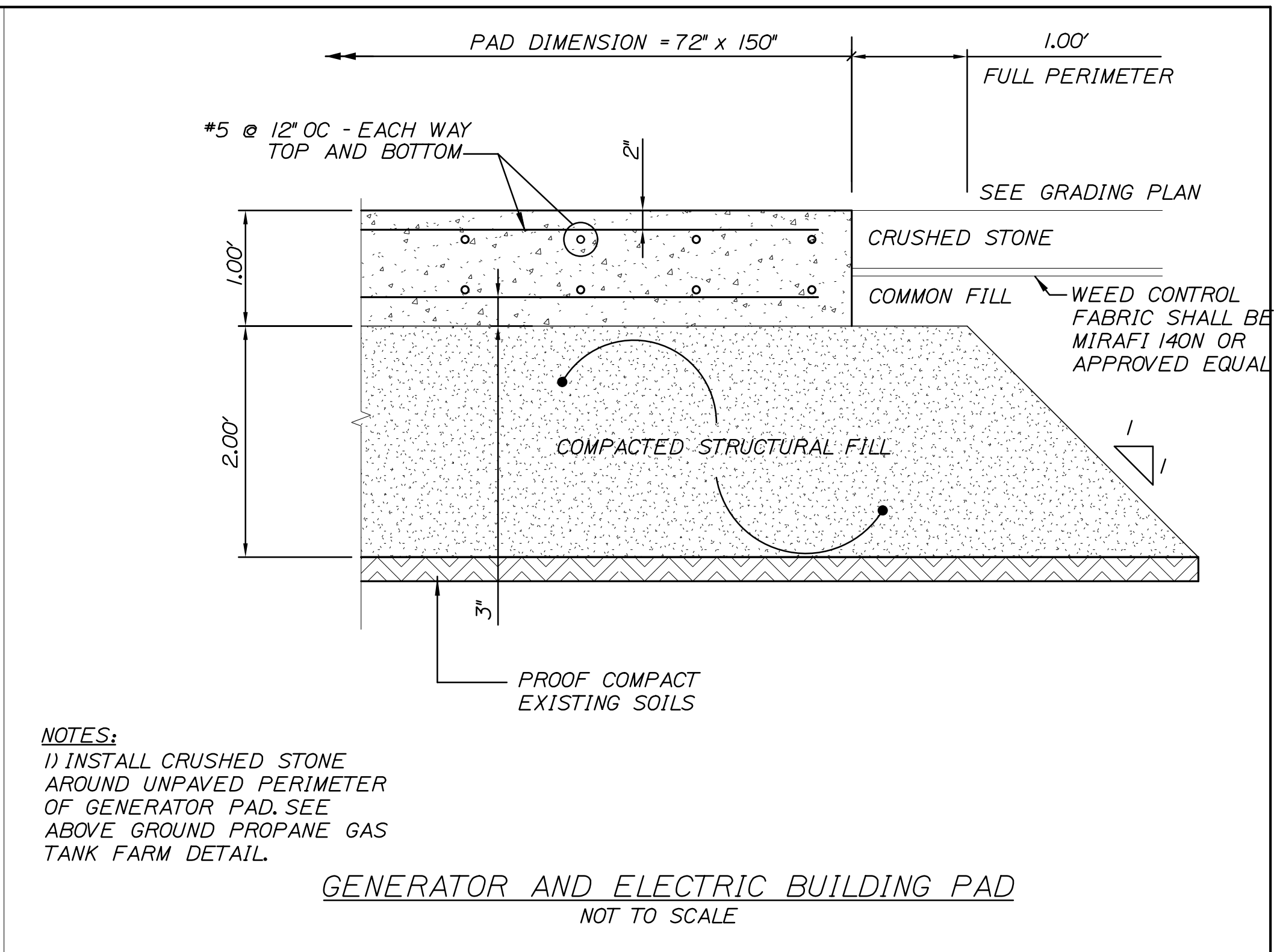
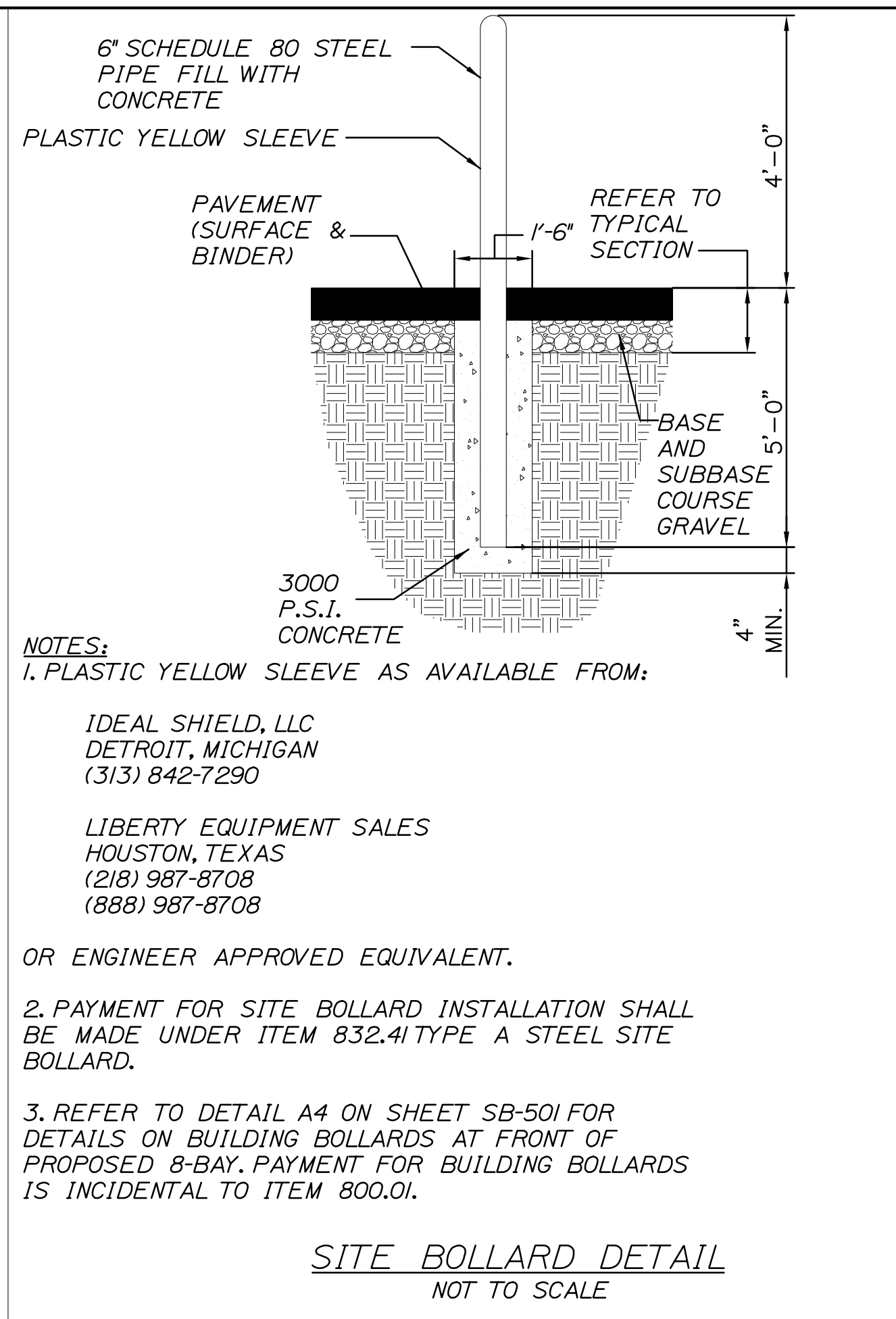
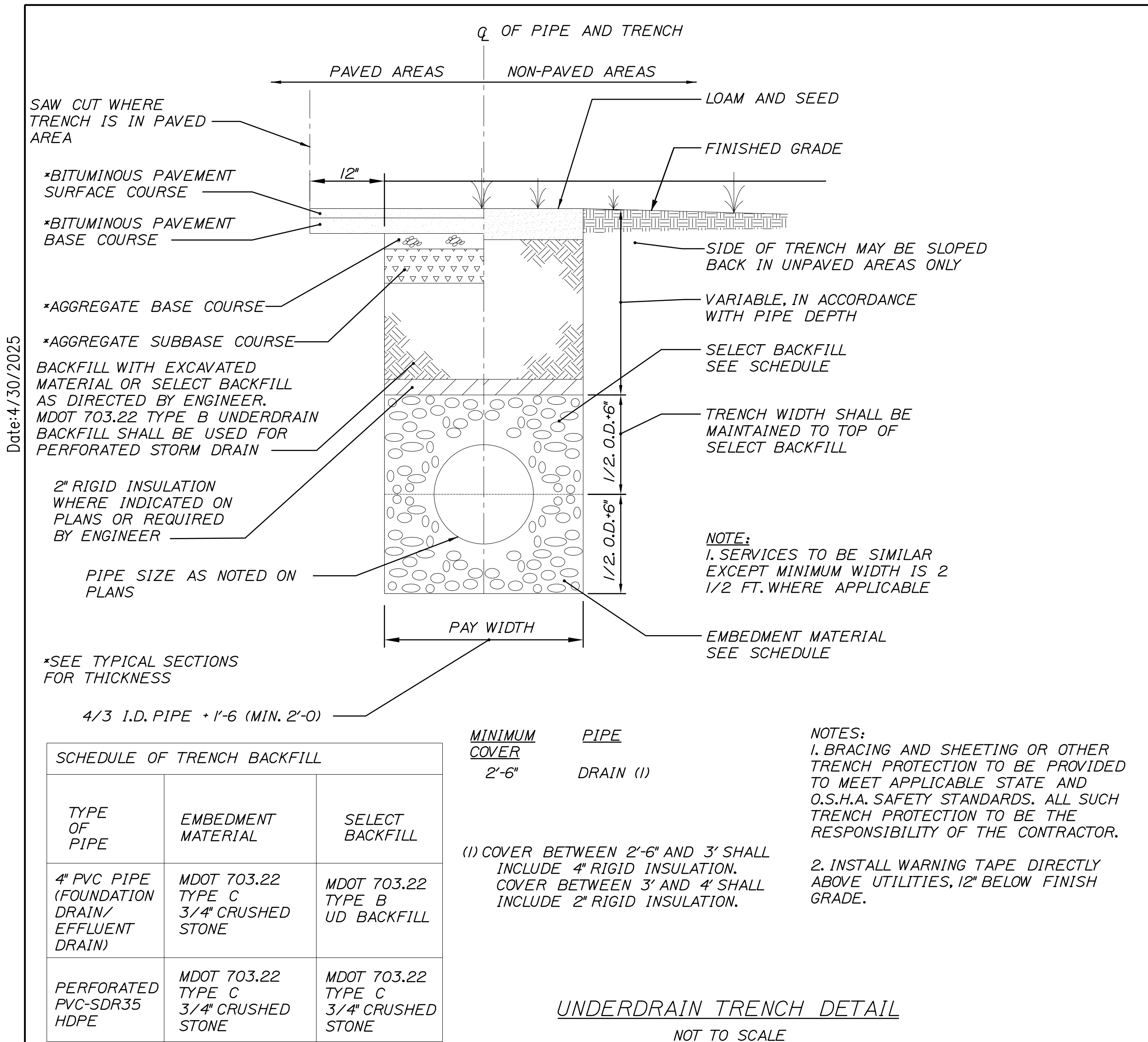
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CONSULTANT PROJECT MANAGER: Dale A Mitchell, P.E.

| | By | Date | | By | Date |
|----------|-----|-------|--------------|-----|-------|
| Designed | PEM | 04\25 | Checked | DAM | 04\25 |
| Drawn | PEM | 04\25 | In Charge of | TRC | 04\25 |

MTA PROJECT MANAGER: Brian Taddeo, P.E.

Date: 4/30/2025



Scale: 50 0 50 100
Scale of Feet

| No. | Revision | By | Date |
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Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Dale A Mitchell, P.E.

| | By | Date | | By | Date |
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| Designed | PEM | 04\25 | Checked | DAM | 04\25 |
| Drawn | PEM | 04\25 | In Charge of | TRC | 04\25 |

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian Taddeo, P.E.

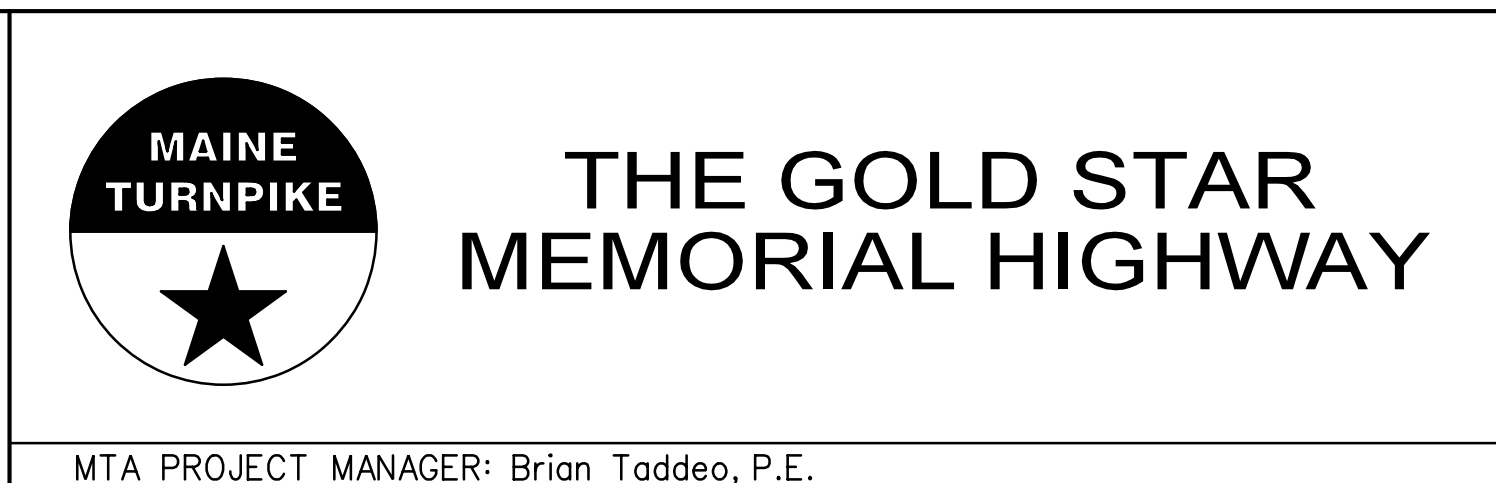
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AUBURN VEHICLE STORAGE GARAGE

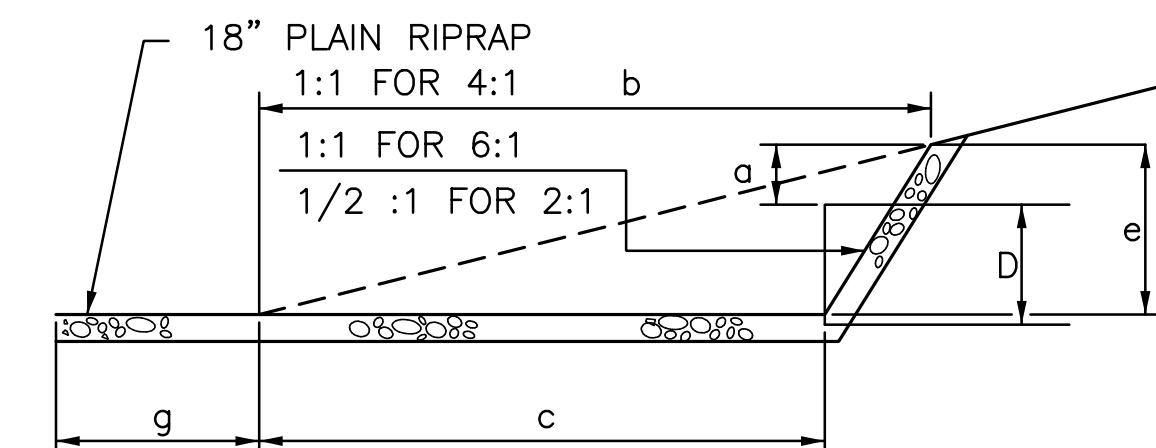
DETAILS SHEET 4

CONTRACT: 2025.11
SHEET NUMBER: C-404

9 OF 36

DIMENSIONS FOR SLOPE OF 4:1

| D | a (FT) | b (FT) | c (FT) | e (FT) | f (FT) | g (FT) | STONE DEPTH (FT) | STONE (CY) |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|------------------------|---------------|
| 12" | 1.00 | 8.00 | 6.00 | 2.00 | 6.00 | 0.00 | 1.50 | 2.20 |
| 15" | 1.00 | 9.00 | 6.75 | 2.25 | 6.75 | 0.00 | 1.50 | 2.80 |
| 18" | 1.00 | 10.00 | 7.50 | 2.50 | 7.50 | 0.00 | 1.50 | 3.40 |
| 21" | 1.00 | 11.00 | 8.25 | 2.75 | 8.25 | 0.00 | 1.50 | 4.10 |
| 24" | 1.00 | 12.00 | 9.00 | 3.00 | 9.00 | 0.00 | 1.50 | 4.86 |
| 30" | 1.00 | 14.00 | 10.50 | 3.50 | 10.50 | 0.00 | 1.50 | 6.58 |
| 36" | 1.00 | 16.00 | 12.00 | 4.00 | 12.00 | 0.00 | 1.50 | 8.56 |
| 42" | 1.00 | 18.00 | 13.50 | 4.50 | 13.50 | 0.50 | 1.50 | 10.92 |
| 48" | 1.00 | 20.00 | 15.00 | 5.00 | 15.00 | 1.00 | 1.50 | 13.57 |
| 54" | 1.00 | 22.00 | 16.50 | 5.50 | 16.50 | 1.50 | 1.50 | 16.50 |
| 60" | 1.00 | 24.00 | 18.00 | 6.00 | 18.00 | 2.00 | 1.50 | 19.72 |
| 66" | 1.00 | 26.00 | 19.50 | 6.50 | 19.50 | 2.50 | 1.50 | 23.22 |
| 72" | 1.00 | 28.00 | 21.00 | 7.00 | 21.00 | 3.00 | 1.50 | 27.01 |
| 84" | 1.00 | 32.00 | 24.00 | 8.00 | 24.00 | 4.00 | 1.50 | 35.44 |



SECTION A-A



DIMENSIONS FOR SLOPE OF 6:1

NOTES:

1. THE DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE MODIFIED BY THE RESIDENT.
2. STONE QUANTITIES ARE FOR ONE END OF THE PIPE.


| |
|--------------|
| Designed by: |
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DETAILS SHEET 5

10 OF 36

MTA PROJECT MANAGER: Brian Taddeo, P.E.

| | | | | | |
|---|---|--|--|------------------------------|-------------------------------|
|  | BORING LOG | | | | BORING NO.: B-102 |
| | CLIENT: HNTR Corporation | | | | SHEET: 1 of 1 |
| | PROJECT: Proposed E-Bay Maintenance Garage | | | | PROJECT NO: 25-0188 |
| LOCATION: MTA Auburn Maintenance Facility - Hackett Road, Auburn, Maine | | | | DATE START: 2/16/2025 | DATE FINISH: 2/16/2025 |

| | | | | | | |
|--|--|---|--|--|-------------------------------|--------------------------------|
| Drilling Information | | LOCATION: Just Back of Station Location Plan | | ELEVATION (FT): 205' Spotted | TOTAL DEPTH (FT): 27.0 | LOGGED BY: Ernie Dennis |
| DRILLING CO.: Seaboard Drilling | | DRILLER: Matt Bessary | | DRILLING METHOD: Hydro Stem Auger | | |
| RIG TYPE: Track Mounted Mobile Drt B-48 | | AUGER DIAMETER: 2.14 x 1.5 x 1.8 in | | SAMPLER: Standard Split-Spoon | | |
| HAMMER TYPE: Automatic | | HAMMER WEIGHT (LBS): 160/200 | | CAGING CODE: N/A N/A | | CORE BARREL: |
| HAMMER CORRECTION FACTOR: | | HAMMER DROP (IN-CH): 20/16 | | | | |

| | | | |
|--|--|--|--|
| WATER LEVEL DEPTH (IN): 2.0 ft, 2/16/2025 | | Saturated soils encountered below a depth of 20 feet | |
| GENERAL NOTES: | | | |

| | | | |
|-----------|--|---|--|
| KEY NOTES | | (Data Used 1 = 10' Interval 2 = 5' Interval 3 = 1' Interval 4 = 0.5' Interval 5 = 0.25' Interval 6 = 0.125' Interval 7 = 0.0625' Interval 8 = 0.03125' Interval 9 = 0.015625' Interval 10 = 0.0078125' Interval 11 = 0.00390625' Interval 12 = 0.001953125' Interval 13 = 0.0009765625' Interval 14 = 0.00048828125' Interval 15 = 0.000244140625' Interval 16 = 0.0001220703125' Interval 17 = 0.00006103515625' Interval 18 = 0.000030517578125' Interval 19 = 0.0000152587890625' Interval 20 = 0.00000762939453125' Interval 21 = 0.000003814697265625' Interval 22 = 0.0000019073486328125' Interval 23 = 0.00000095367431640625' Interval 24 = 0.000000476837158203125' Interval 25 = 0.0000002384185791015625' Interval 26 = 0.00000011920928955078125' Interval 27 = 0.000000059604644775390625' Interval 28 = 0.0000000298023223876953125' Interval 29 = 0.00000001490116119384765625' Interval 30 = 0.000000007450580596923828125' Interval 31 = 0.0000000037252902984619140625' Interval 32 = 0.00000000186264514923095703125' Interval 33 = 0.000000000931322574615478515625' Interval 34 = 0.0000000004656612873077392578125' Interval 35 = 0.00000000023283064365386962890625' Interval 36 = 0.000000000116415321826934814453125' Interval 37 = 0.0000000000582076609134674071875' Interval 38 = 0.00000000002910383045673370359375' Interval 39 = 0.000000000014551915228366851796875' Interval 40 = 0.0000000000072759576141834258984375' Interval 41 = 0.00000000000363797880709171294921875' Interval 42 = 0.000000000001818989403545856474609375' Interval 43 = 0.0000000000009094947017729282373046875' Interval 44 = 0.00000000000045474735088646411865234375' Interval 45 = 0.000000000000227373675443232059326171875' Interval 46 = 0.0000000000001136868377216160296630859375' Interval 47 = 0.00000000000005684341886080801483154296875' Interval 48 = 0.000000000000028421709430404007415771484375' Interval 49 = 0.0000000000000142108547152020037078857421875' Interval 50 = 0.00000000000000710542735760100185394287109375' Interval 51 = 0.000000000000003552713678800500926971435546875' Interval 52 = 0.0000000000000017763568394002504634857177234375' Interval 53 = 0.00000000000000088817841970012523174285886171875' Interval 54 = 0.000000000000000444089209850062615871429430859375' Interval 55 = 0.0000000000000002220446049250313079357147154296875' Interval 56 = 0.000000000000000111022302462515653967857357619375' Interval 57 = 0.0000000000000000555111512312578269839286788096875' Interval 58 = 0.00000000000000002775557561562891349196433940484375' Interval 59 = 0.000000000000000013877787807814456745982169702421875' Interval 60 = 0.0000000000000000069388939039072283729910848512109375' Interval 61 = 0.0000000000000000034694469519536141864955424256046875' Interval 62 = 0.00000000000000000173472347597680709324777121280234375' Interval 63 = 0.000000000000000000867361737988403546622385606401171875' Interval 64 = 0.0000000000000000004336808689942017733111928032005859375' Interval 65 = 0.00000000000000000021684043449710088665559640160029296875' Interval 66 = 0.000000000000000000108420217248550443327798200800146484375' Interval 67 = 0.0000000000000000000542101086242752216638991004000732421875' Interval 68 = 0.00000000000000000002710505431213761083194955020003662109375' Interval 69 = 0.00000000000000000001355252715606880541597477510001831046875' Interval 70 = 0.000000000000000000006776263578034402707987387550000915234375' Interval 71 = 0.00000000000000000000338813178901720135399369377500004576171875' Interval 72 = 0.00000000 | |
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[illegible]

SHEET NUMBER: C-406
11 OF 36

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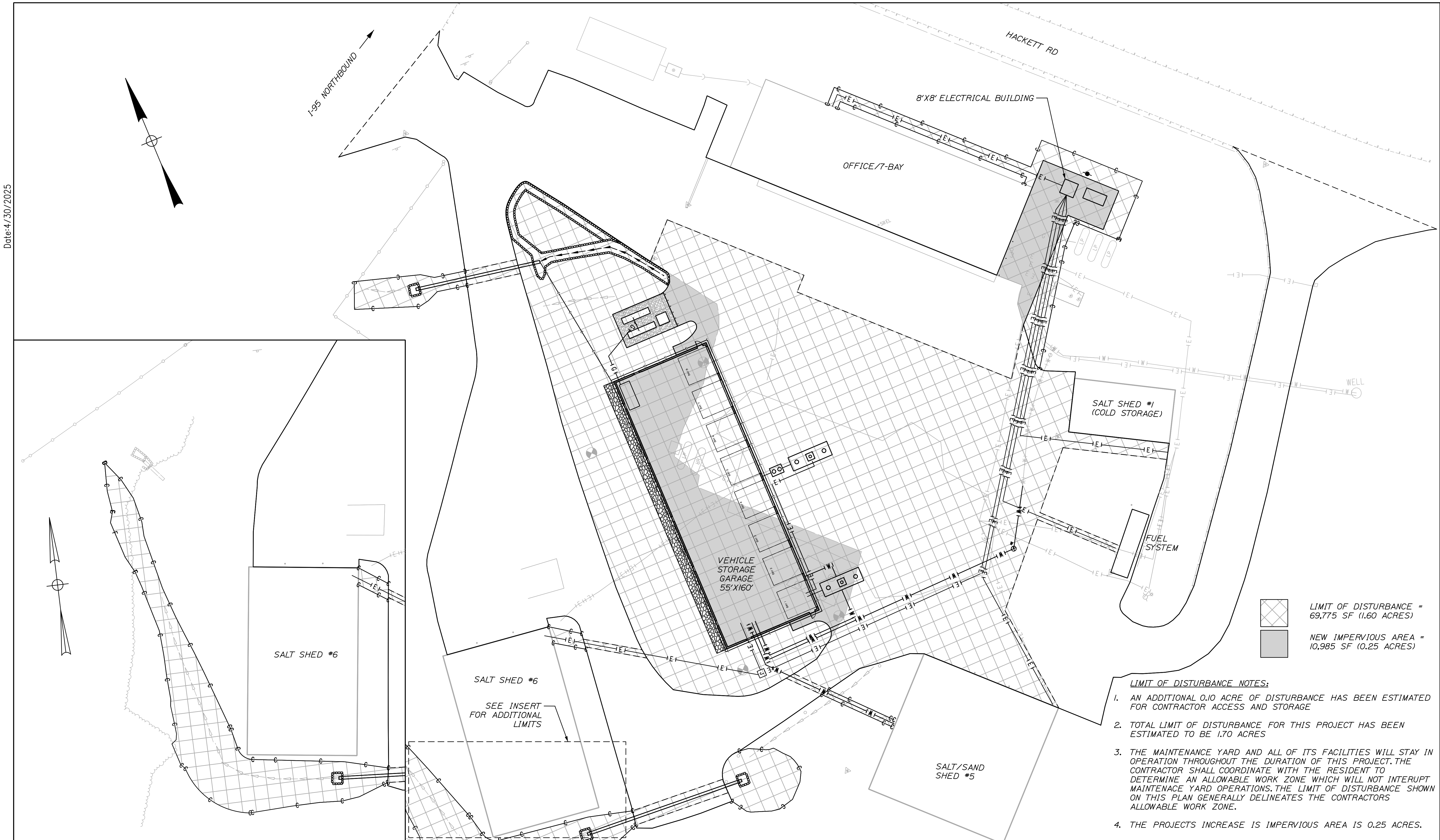


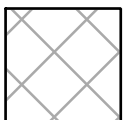
MTA PROJECT MANAGER: Brian Taddeo, P.E.

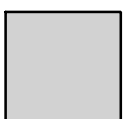
BORING LOGS

SHEET NUMBER: C-406


Date: 4/30/2025



 LIMIT OF DISTURBANCE = 69,775 SF (1.60 ACRES)

 NEW IMPERVIOUS AREA = 10,985 SF (0.25 ACRES)

- LIMIT OF DISTURBANCE NOTES:**
1. AN ADDITIONAL 0.10 ACRE OF DISTURBANCE HAS BEEN ESTIMATED FOR CONTRACTOR ACCESS AND STORAGE
 2. TOTAL LIMIT OF DISTURBANCE FOR THIS PROJECT HAS BEEN ESTIMATED TO BE 1.70 ACRES
 3. THE MAINTENANCE YARD AND ALL OF ITS FACILITIES WILL STAY IN OPERATION THROUGHOUT THE DURATION OF THIS PROJECT. THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT TO DETERMINE AN ALLOWABLE WORK ZONE WHICH WILL NOT INTERRUPT MAINTENANCE YARD OPERATIONS. THE LIMIT OF DISTURBANCE SHOWN ON THIS PLAN GENERALLY DELINEATES THE CONTRACTORS ALLOWABLE WORK ZONE.
 4. THE PROJECTS INCREASE IN IMPERVIOUS AREA IS 0.25 ACRES.

Scale:  Scale of Feet

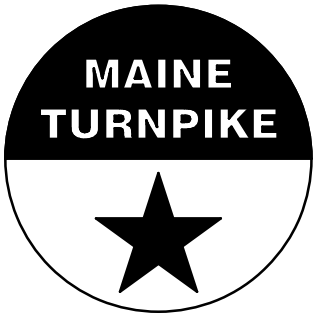
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Designed by:

HNTB

| | | | |
|---|-----|-------|------------------------|
| CONSULTANT PROJECT MANAGER: Dale A Mitchell, P.E. | | | |
| | By | Date | |
| Designed | PEM | 04\25 | Checked DAM 04\25 |
| Drawn | PEM | 04\25 | In Charge of TRC 04\25 |

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Brian Taddeo, P.E.

AUBURN VEHICLE STORAGE GARAGE

LIMIT OF DISTURBANCE

SHEET NUMBER: C-407

CONTRACT: 2025.11

12 OF 36

CODE ANALYSIS

NFPA 101 Life Safety Code - 2021 Edition

| | |
|--------------------------|--------------------------------|
| Building Classification: | Storage - 8,800 sf |
| Hazard Classification: | Ordinary Hazard |
| Construction Type: | Type II (000) |
| Occupant Loads: | Maximum Probable = 8 occupants |

| Building Uses | Storage |
|---------------|---------|
| Manufacturing | |
| Construction | |
| Office | |
| Warehouse | |
| Other | |

| | |
|----------------------------------|---------------|
| Max. Allowable Travel Distance: | 200' |
| Max. Allowable Common Path: | 50' |
| Max. Dead End Corridor Length: | 50' |
| Minimum Number of Required Exits | 2 |
| Minimum Separation of exits: | 0.5 diagonal' |
| Minimum Egress Door Width: | 36" |

| | |
|------------------------------|--------------|
| Fire Alarm System: | Required* |
| Fire Sprinkler System: | Not Required |
| Exit Lighting: | Required |
| Emergency Lighting: | Required |
| Portable Fire Extinguishers: | Required |

*Owner initiated requirement

2021 International Building Code

| | |
|---------------------------|--|
| Use Group Classification: | Storage - Use Group S2 |
| Construction: | Type II - Non-Combustible, Unprotected |
| Occupant Loads: | 8,800 sf S2 @ 500 sf/occ = 18 |
| occupants | |

Building Limitations

| | |
|-----------------------|-----------------|
| Construction Type: | IIB Unprotected |
| Maximum Height: | 3 stories / 55' |
| Maximum Area / Floor: | 39,000 sf |

Fire Resistance Ratings

| | |
|-----------------------------------|------|
| Load Bearing Exterior Walls: | None |
| Minimum Number of Exits: | 2 |
| Maximum Dead-End Corridor Length: | 20' |
| Maximum Common Travel Path: | 75' |
| Maximum Travel Distance: | 300' |

| | |
|------------------------------|------------------------------------|
| Fire Alarm System: | Required* |
| Fire Sprinkler System: | Not Required (less than 24,000 sf) |
| Portable Fire Extinguishers: | Required |
| Exit Lighting | Required |
| Emergency Lighting | Required |

*Owner initiated requirement

Building Live Loads

Storage: 125 psf @ light; 250 psf @ heavy

MUBEC (Maine Uniform Building Energy Code) MINIMUM INSULATION VALUES

Per 2021 IECC; Table C402.1.3, C402.1.4 and C402.4

| ZONE G | R-VALUE | U-FACTOR | SHGC |
|--|----------------|----------|------|
| Metal Building with R-5 Thermal Blockers | | | |
| Roof | R-25 + R-11 LS | 0.031 | NA |
| Exterior Wall | R-13 + R-14 c1 | 0.050 | NA |
| Mass Wall above Grade | R-13.3 c1 | 0.080 | NA |
| Mass Wall below Grade | R-10 c1 | C-0.092 | NA |
| Unheated Slab (24" band) | R-20.0 | F-0.51 | NA |
| Doors - Swinging | | 0.37 | NA |
| Doors - Overhead (< 14% glass) | R-4.75 | 0.21 | NA |
| Windows - Fixed | | 0.34 | 0.38 |

End of Analysis




















ABBREVIATIONS

| | | | | | | |
|--------------|-------|------------------------------|-----------|---------------------------------|---------|--------------------------------|
| AFF | or AL | ABOVE FINISH FLOOR | G | GRANITE | PB | PANIC BAR |
| ALUM | | ALUMINUM | GA | GAUGE | PL | PLATE |
| AWP | | ACOUSTICAL WALL PANEL | GA LV | GALVANIZED | PLY WD | PLYWOOD |
| BIT | | BITUMINOUS | GB | GRAB BARS | PNL | PANEL |
| BM | | BENCH MARK | GC | GENERAL CONTRACTOR | PS | PASSAGE LATCH SET |
| BOT | | BOTTOM | GW | GYPSON WALL BOARD | P.T. | PRESSURE TREATED |
| BRG | | BEARING | HC | HANDICAP | PT & D | PAPER TOWEL & |
| BRK | | BRICK | HD WD | HARDWOOD | PTN | WASTE DISPENSER PARTITION |
| C | | CARPET | HDR | HEADER | | |
| CA | | CABINET | HDWE | HARDWARE | RD | ROOF DRAIN |
| CB | | CHALK BOARD | HM | HOLLOW METAL | REF | REFRIGERATOR |
| CC | | CENTER TO CENTER | HORIZ | HORIZONTAL | REINF | REINFORCED |
| CH | | CONCRETE FLOOR WITH HARDENER | HT | HEIGHT | REQ'D | REQUIRED |
| CJ | | CONTROL JOINT | ID | INSIDE DIAMETER | RM | ROOM |
| CLF | | CENTER LINE | IF | INSIDE FACE | RO | ROUGH OPENING |
| CLG | | CEILING | IN | INCHES | | |
| CMU | | CONCRETE MASONRY UNIT | INSUL | INSULATION | S | SOUTH |
| CONC | | CONCRETE | INT | INTERIOR | SAT | SUSPENDED ACOUSTICAL |
| CONT | | CONTINUOUS CONSTRUCTION | | | | TILE CEILING |
| CONST | | CONTRACTOR | JNT or JT | JOINT | SC | SHOWER CURTAIN |
| CONTR | | CERAMIC TILE | KEC | KITCHEN EQUIPMENT | SD | SOAP DISPENSER |
| CT | | | KP | KICK PLATE | SCHED | SCHEDULE |
| DBL | | DOUBLE | L | LAVATORY | SECTION | SECTION |
| DC | | DOOR CLOSER | LAB | LABEL (FIRE) | SGB | SUSPENDED GYPSON BOARD CEILING |
| DIA | | DIAMETER | LNTL | LINTEL | SHT | SHEET |
| DIM | | DIMENSION | LOC | LOCATION | SIM | SIMILAR |
| DNA | | DOES NOT APPLY | LS | LOCKSET | SND | SANITARY NAPKIN DISPOSAL |
| DR | | DOOR | M | MARBLE | SPEC | SPECIFICATIONS |
| DTL | | DETAIL | MAS | MASONRY | SQ | SQUARE |
| DWG | | DRAWING | MAX | MAXIMUM | SSS | SYNTHETIC SPORTS SURFACE |
| E | | EAST | MB | MARKER BOARD | STD | STANDARD |
| EA | | EACH | MECH | MECHANICAL | STL | STEEL |
| EF | | EACH FACE | MFR | MANUFACTURER | STRUCT | STRUCTURAL |
| EJ | | EXPANSION JOINT | MIN | MINIMUM | STV | STRAIGHT VINYL BASE |
| EL | | ELEVATION | MISC | MISCELLANEOUS | SV | SHEET VINYL |
| ELEC | | ELECTRICAL | MO | MASONRY OPENING | T | TEMPERED (GLASS) |
| ELEV | | ELEVATOR | MOP | MOP OPENING | TB | TACK BOARD |
| EMHO | | ELECTROMAGNETIC HOLD OPEN | MRGB | MOISTURE RESISTANT GYPSON BOARD | TH | THERMAL (INSULATED) |
| EQ | | EQUAL | MTL | METAL | THK | THICKNESS |
| EW | | EACH WAY | N | NORTH | TO | TOP OF |
| EW | | ELECTRIC WATER COOLER | NA | NOT APPLICABLE | TOM | TOP OF BEAM |
| EXIST OF (E) | | EXISTING | NIC | NOT IN CONTRACT | TOW | TOP OF MASONRY |
| EXP | | EXPANSION | NO | NUMBER | TP | TOP OF WALL |
| EXT | | EXTENSION | NOM | NOMINAL | TYP | TYPICAL |
| FCS | | FLOOR COATING SYSTEM | NTS | NOT TO SCALE | VB | VAPOR BARRIER |
| FD | | FLOOR DRAIN | OA | OVERALL | VCT | VINYL COMPOSITION TILE |
| FDN | | FOUNDATION | OC | ON CENTER | VERT | VERTICAL |
| FE | | FIRE EXTINGUISHER | OD | OUTSIDE DIAMETER | VWC | VINYL WALL COVERING |
| FFE | | FINISH FLOOR ELEVATION | OF | OUTSIDE FACE | | |
| FIN | | FINISH | OPNG | OPENING | W | WEST |
| FIN FL or FF | | FINISH FLOOR | OPP | OPPOSITE | W/ | WITH |
| FIN GR | | FINISH GRADE | | | WC | WATER CLOSET |
| FL | | FLOOR | | | WD | WOOD |
| FR | | FIRE RATING | | | WF | WATER FOUNTAIN |
| FRMG | | FRAMING | | | WG | WIRE GLASS |
| FT | | FEET (FOOT) | P | PAINT | WP | WOOD PANELING |
| FV | | FIELD VERIFY | PTD | PAINTED | | |
| FWC | | FABRIC WALL COVERING | | | | |








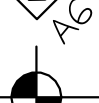



GENERAL NOTES

1. ALL WORK SHALL CONFORM TO LOCAL AND STATE LAWS, ORDINANCES AND PREVAILING EDITIONS OF ADOPTED BUILDING CODES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE ALL PERMITS FOR WORK.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING THE WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. CONTRACTOR SHALL PROCEED WITH THE WORK ONLY AFTER SUCH DISCREPANCIES HAVE BEEN RESOLVED BY THE ARCHITECT. CONTRACTOR SHALL ALLOW A 48 HOUR TIME FRAME FOR RESOLVING DISCREPANCIES ONCE THE ARCHITECT HAS ACKNOWLEDGED THE CONDITION.
3. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING THE WORK IN ANY GIVEN AREA.
4. WORK WITH GIVEN DIMENSIONS AND LARGE SCALE DETAILS. DO NOT SCALE THE DRAWINGS AS THE REPRODUCTIVE PROCESS TENDS TO DISTORT THE ACCURACY OF THE GRAPHIC SCALE INDICATED.
5. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN A NEAT, SAFE, AND CLEAN MANNER. ALL CONSTRUCTION WASTE SHALL BE REMOVED FROM THE BUILDING. SITE BURNING IS NOT ALLOWED. LEAVE WORK AREA IN A CLEAN, SAFE CONDITION AT THE END OF EACH WORK DAY.
6. ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF AT AN APPROVED OFF-SITE FACILITY IN COMPLIANCE WITH ALL REGULATIONS.
7. ALL WOOD IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESERVATIVE TREATED.
8. INSTALL SOLID BLOCKING AT WALL FRAMING BEHIND ALL SURFACE MOUNTED ITEMS.
9. REFER TO THE ACCESSIBILITY DETAIL SHEET FOR AMERICANS WITH DISABILITIES ACT (ADA) AND MAINE HUMAN RIGHTS ACT (MRHA) CONSTRUCTION CRITERIA.



MATERIALS

| | |
|---|-------------------------------|
|  | CONCRETE |
|  | CONCRETE MASONRY UNIT |
|  | BRICK |
|  | GRAVEL |
|  | SOIL |
|  | STUD PARTITION (EXISTING) |
|  | STEEL |
|  | WOOD FRAMING |
|  | WOOD BLOCKING |
|  | PLYWOOD |
|  | GYPSUM BOARD |
|  | SUSPENDED ACOUSTICAL TILE |
|  | BATT INSULATION |
|  | RIGID INSULATION |
|  | FINISH WOOD |
|  | ONE HOUR RATED PARTITION |
|  | TWO HOUR RATED PARTITION |
|  | EXISTING PARTITION (SCREENED) |
|  | NEW PARTITION |

SYMBOLS

| | |
|---|-----------------------|
|  | ROOM NUMBER |
|  | DOOR NUMBER |
|  | WINDOW NUMBER |
|  | BUILDING SECTION |
|  | WALL SECTION |
|  | DETAIL SECTION |
|  | CASEWORK ELEVATION |
|  | INTERIOR ELEVATION |
|  | VERTICAL ELEVATION |
|  | PARTITION TYPE |
|  | STRUCTURAL CENTERLINE |

EGRESS SYMBOLS LEGEND

 DIAGONAL DISTANCE
 EGRESS SEPARATION
 EGRESS PATH

NFPA LEGEND

[illegible]

Scale:

NO SCALE

| No. | Revision | By | Date |
|-----|----------|----|------|
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| Designed by: |
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MICHAEL F. HAYS, RA

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|-----------|-----|----------|----------|-----|----------|
| | By | Date | | By | Date |
| Designed: | MFH | 04/25/25 | Checked: | MFH | 04/25/25 |
| Drawn: | MGK | 04/25/25 | | | |



ARCHITECTURE & INTERIOR DESIGN
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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian Taddeo, P.E.

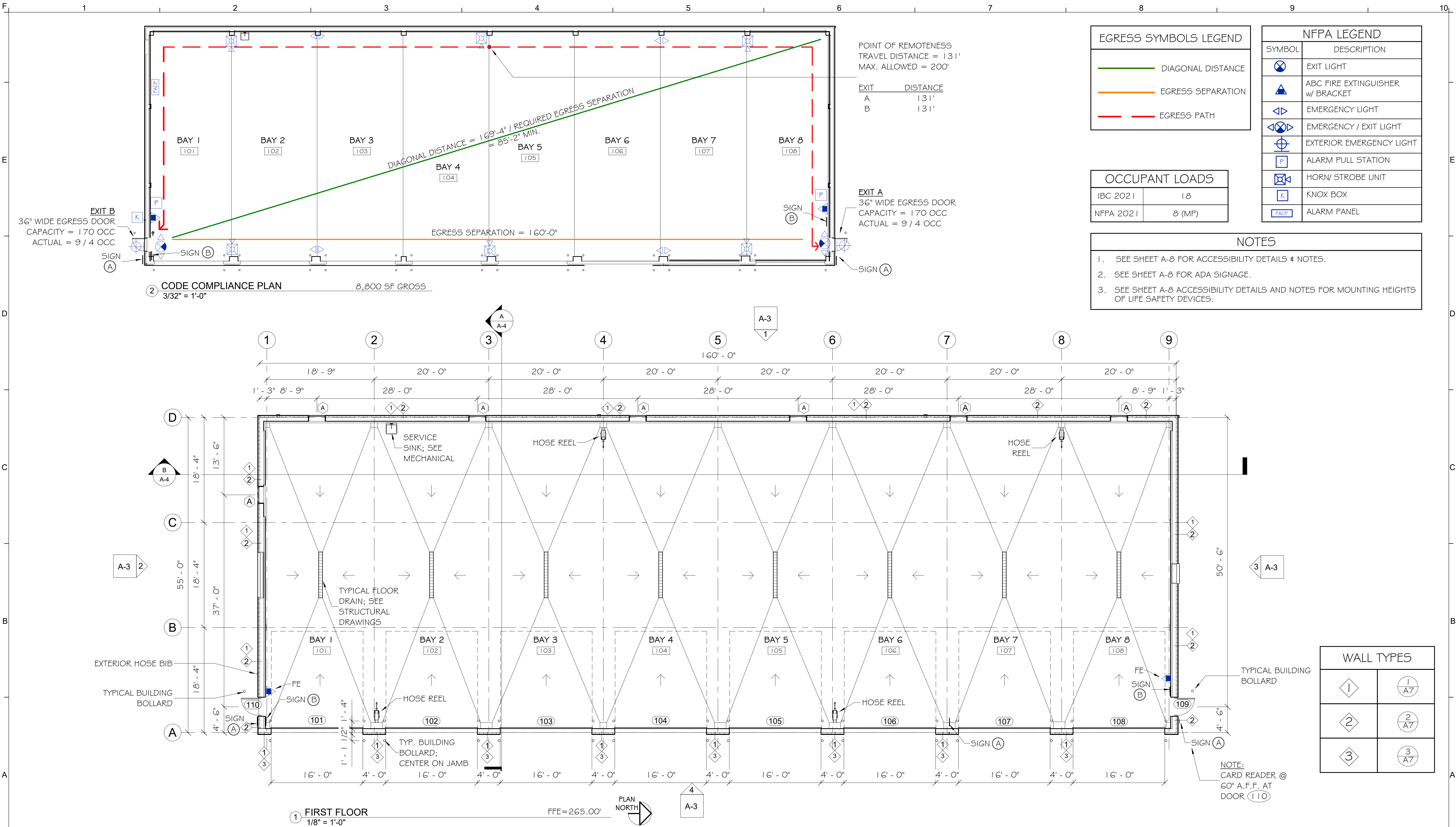
AUBURN VEHICLE STORAGE GARAGE

ARCHITECTURAL COVER SHEET

SHEET NUMBER: A-0

CONTRACT: 2025.11

13 OF 36



| EGRESS SYMBOLS LEGEND | |
|-----------------------|-------------------|
| | DIAGONAL DISTANCE |
| | EGRESS SEPARATION |
| | EGRESS PATH |

| NFPA LEGEND | |
|-------------|----------------------------------|
| SYMBOL | DESCRIPTION |
| | EXIT LIGHT |
| | ABC FIRE EXTINGUISHER w/ BRACKET |
| | EMERGENCY LIGHT |
| | EMERGENCY / EXIT LIGHT |
| | EXTERIOR EMERGENCY LIGHT |
| | ALARM PULL STATION |
| | HORN/ STROBE UNIT |
| | KNOX BOX |
| | ALARM PANEL |

| OCCUPANT LOADS | |
|----------------|--------|
| IBC 2021 | 18 |
| NFPA 2021 | 8 (MP) |

- NOTES
1.

SEE SHEET A-8 FOR ACCESSIBILITY DETAILS & NOTES.
2.

SEE SHEET A-8 FOR ADA SIGNAGE.
3.

SEE SHEET A-8 ACCESSIBILITY DETAILS AND NOTES FOR MOUNTING HEIGHTS OF LIFE SAFETY DEVICES.

| WALL TYPES | |
|------------|--|
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Scale:

As indicated

| No. | Revision | By | Date |
|-----|----------|----|------|
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Designed by:

MICHAEL F. HAYS, RA

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| Designed: | By | Date | Checked: | By | Date |
| Drawn: | MGK | 04/25/25 | | MFH | 04/25/25 |

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THE GOLD STAR MEMORIAL HIGHWAY

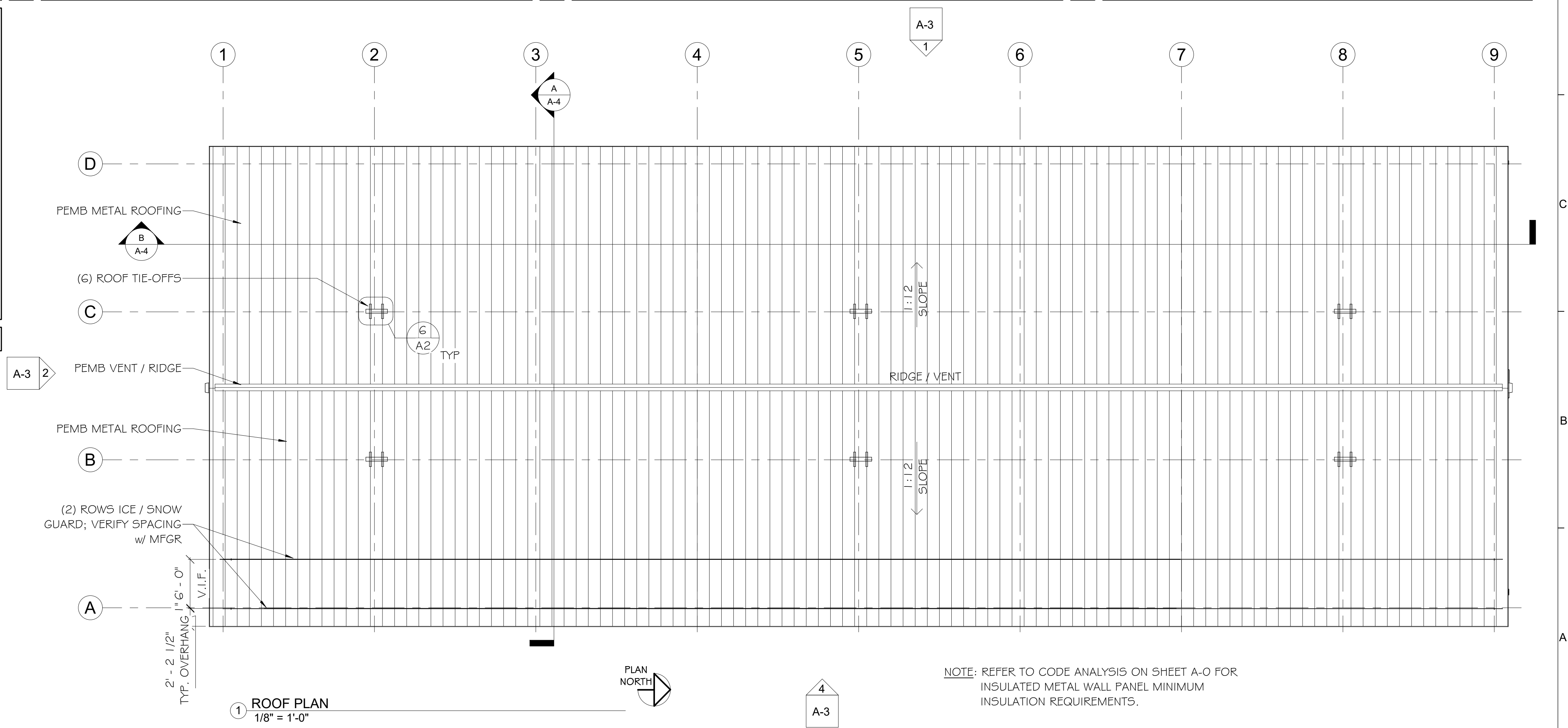
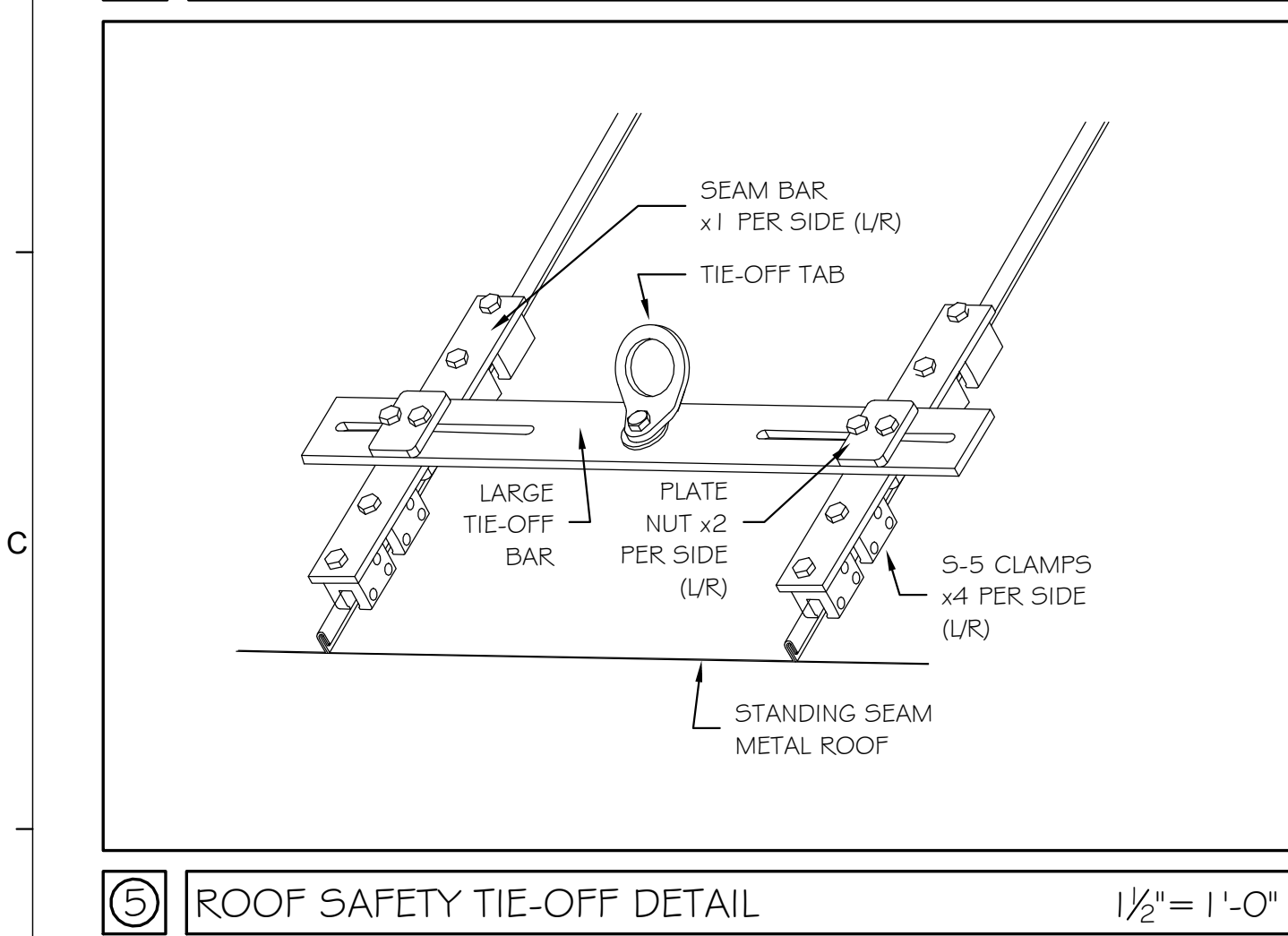
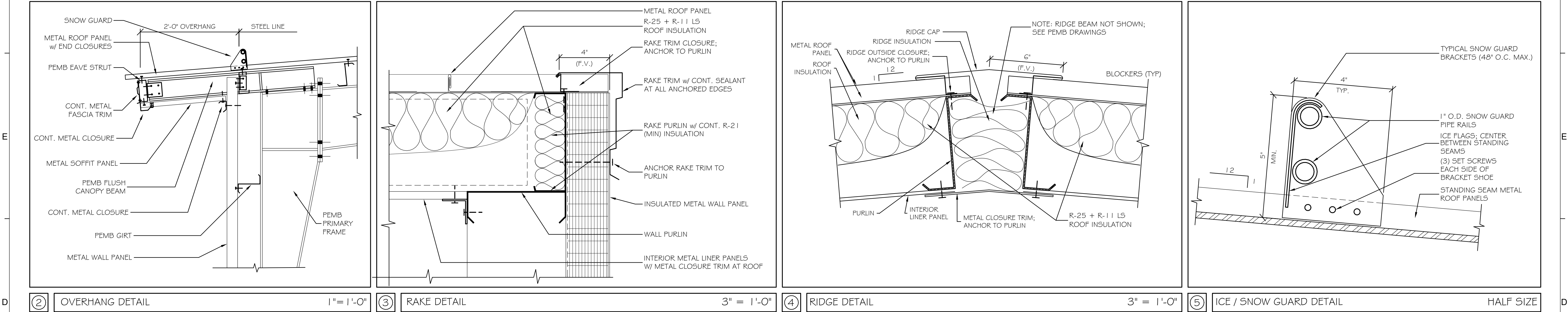
AUBURN VEHICLE STORAGE GARAGE

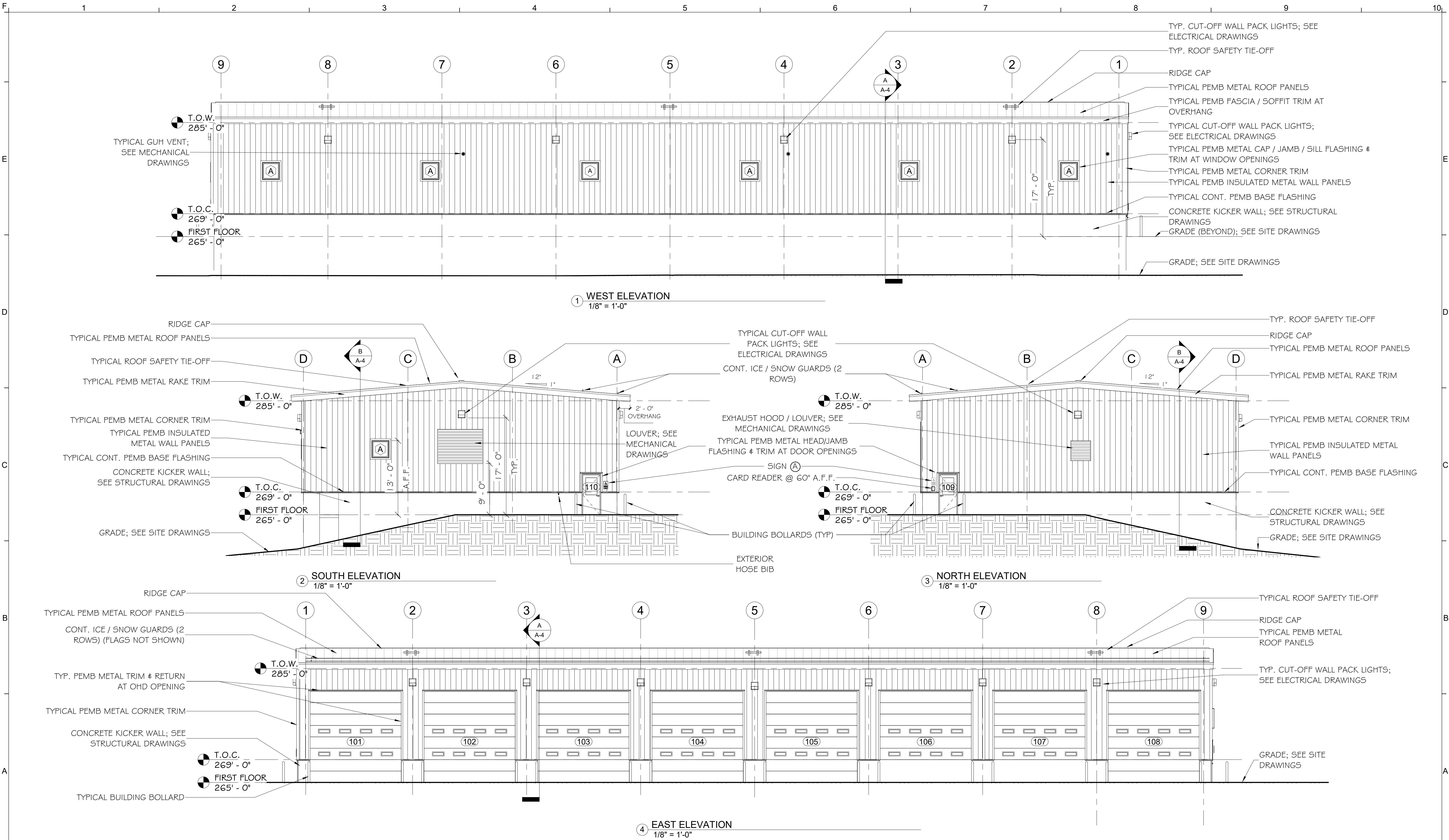
CODE COMPLIANCE & FIRST FLOOR PLANS

CONTRACT: 2025.11

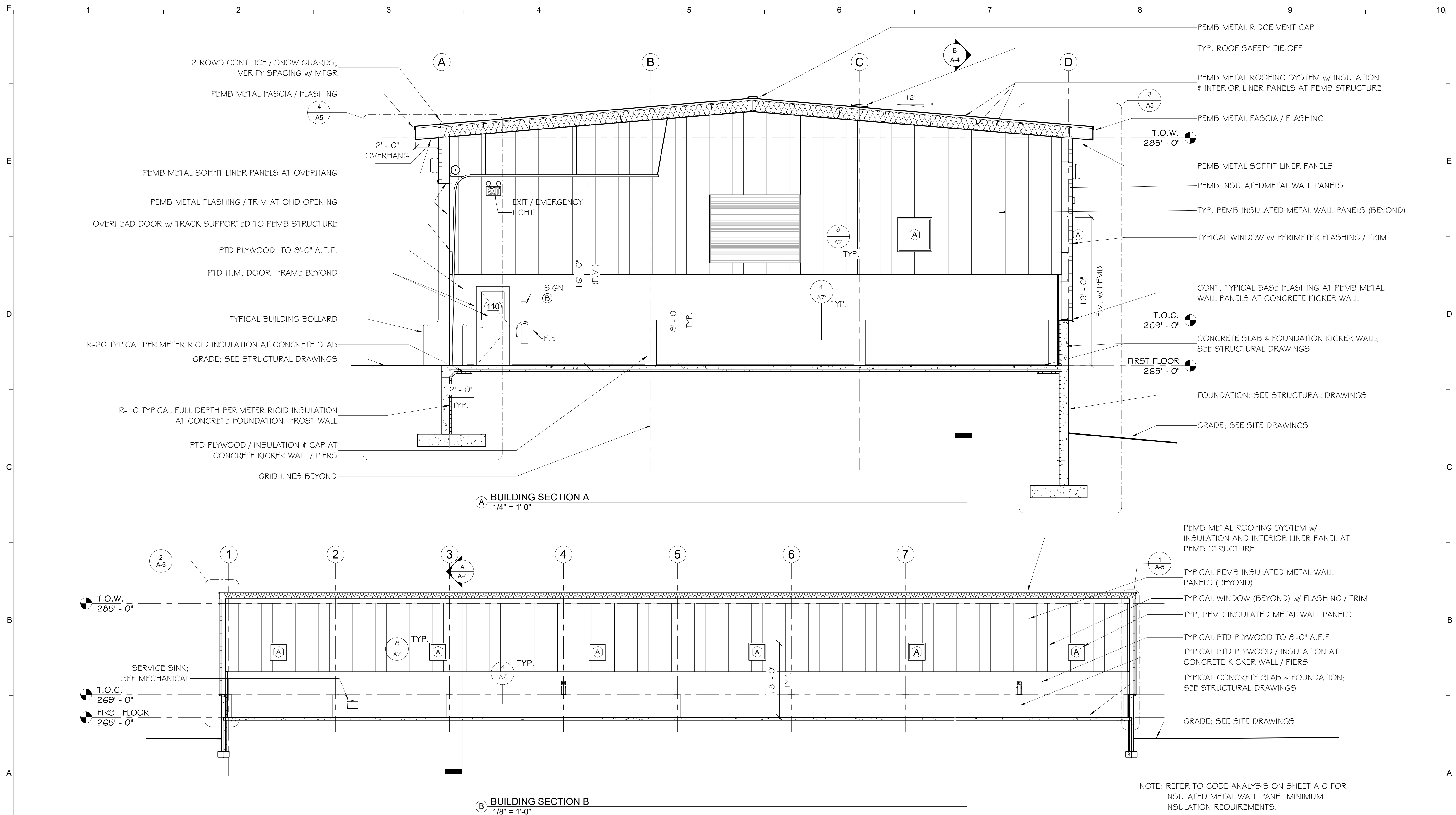
SHEET NUMBER: A-1

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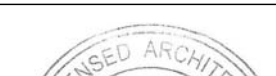
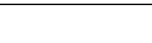



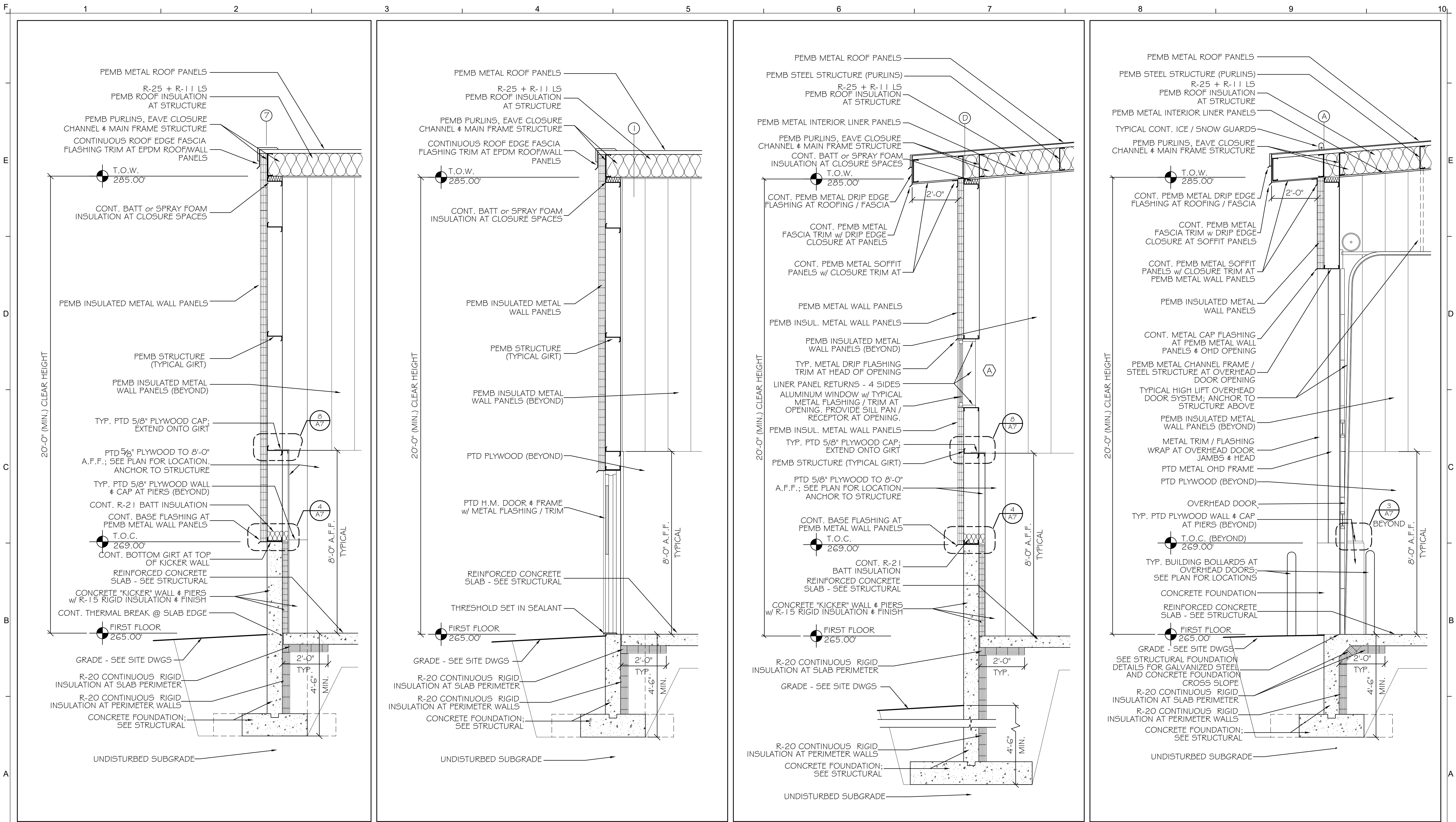


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|----------------------------|----------|----|------|---|-----|----------|----------|--|------|---|--|-----------------------------------|--|-------------------|--|---|--|-------------------|--|
| Scale: 1/8" = 1'-0" | | | | Designed by: MICHAEL F. HAYS, RA | | | | ARCHITECTURE & INTERIOR DESIGN P.O. BOX 6179 FALMOUTH MAINE 04105 207.871.5900 www.granthays.com | | | | THE GOLD STAR MEMORIAL HIGHWAY | | | | AUBURN VEHICLE STORAGE GARAGE ELEVATIONS | | | |
| No. | Revision | By | Date | Designed: | By | Date | Checked: | By | Date | MTA PROJECT MANAGER: Brian Taddeo, P.E. | | | | CONTRACT: 2025.11 | | | | SHEET NUMBER: A-3 | |
| | | | | Drawn: | MGK | 04/25/25 | | | | | | | | | | | | 16 OF 36 | |



NOTE: REFER TO CODE ANALYSIS ON SHEET A-O FOR INSULATED METAL WALL PANEL MINIMUM INSULATION REQUIREMENTS.

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|----------|----|------|---------------------|-----|----------|----------|---|----------|---|--|---|--|-------------------------------|--|---|--|--|--|--|--|--|--|
| Scale: As indicated | | | | Designed by: | | | | <div> <i>Michael F. Hays</i></div> | | | | <div> GRANT HAYS ASSOCIATES ARCHITECTURE & INTERIOR DESIGN P.O. BOX 6179 FALMOUTH MAINE 04105 207.871.5900 www.granthays.com</div> | | | | <div> THE GOLD STAR MEMORIAL HIGHWAY</div> | | | | AUBURN VEHICLE STORAGE GARAGE BUILDING SECTIONS | | | |
| No. | Revision | By | Date | MICHAEL F. HAYS, RA | | | | | | | | | | | | | | | | | | | |
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| | | | | | By | Date | | By | Date | | | | | | | | | | | | | | |
| | | | | Designed: | MFH | 04/25/25 | Checked: | MFH | 04/25/25 | | | | | | | | | | | | | | |
| | | | | Drawn: | MGK | 04/25/25 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | MTA PROJECT MANAGER: Brian Taddeo, P.E. | | | | CONTRACT: 2025.11 | | | | | | | | | |
| | | | | | | | | | | | | | | SHEET NUMBER: A-4 17 OF 36 | | | | | | | | | |




① TYPICAL WALL SECTION 1/2" = 1'-0" ② TYP. WALL SECTION AT H.M. DOOR 1/2" = 1'-0" ③ TYP. WALL SECTION AT WINDOW 1/2" = 1'-0" ④ TYP. WALL SECTION AT OVERHEAD DOOR 1/2" = 1'-0"


Scale: As indicated

| No. | Revision | By | Date |
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Designed by: MICHAEL F. HAYS, RA

| Designed: | By | Date | Checked: | By | Date |
|-----------|-----|----------|----------|----|------|
| Drawn: | MGK | 04/25/25 | | | |


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 THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian Taddeo, P.E.

AUBURN VEHICLE STORAGE GARAGE

WALL SECTIONS

SHEET NUMBER: A-5

CONTRACT: 2025.11

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Ⓐ H.M. FLUSH DOOR

VISION
LITES

DOOR TYPES

$$\frac{3}{8}'' = 1'-0''$$

① PTD H.M.
MASONRY PROFILE,
2" x 5 3/4"

ⓑ PTD H.M.
CHANNEL FRAME

FRAME TYPES

$$\frac{3}{8}'' = 1'-0''$$

NOTE:
FIELD VERIFY R.O.
HEAD/SILL HEIGHT w/
PEMB STRUCTURE

WINDOW TYPE

$$\frac{3}{8}'' = 1'-0''$$

DOOR SCHEDULE

| ABBREVIATIONS | | | |
|---------------|---------------------------------|---------|-----------------------|
| ALUM AL | ALUMINUM | MAS | MASONRY |
| DW | DRYWALL | MFR | MANUFACTURER |
| ES | EDGE STRIP | OCD | OVERHEAD COILING DOOR |
| EMHO | ELECTRO MAGNETIC HOLD OPENER | OH | OVERHEAD DOOR |
| GL | GLASS | T | TEMPERED |
| HM | HOLLOW METAL | T-BREAK | THERMAL BREAK |
| INSUL | INSULATED | TH | THERMAL INSULATED |
| | | TS | TRANSITION STRIP |

[illegible]

WINDOW SCHEDULE

| ABBREVIATION | |
|--------------|--------------|
| MFGR | MANUFACTURER |

[illegible]

FINISH SCHEDULE

| ABBREVIATIONS | | | |
|---------------|------------------------------|-----|---------------------------|
| CH | CONCRETE w/ HARDENER | IMP | INSULATED METAL PANEL |
| CMU | CONCRETE MASONRY UNIT | MLP | METAL LINER PANEL |
| DFP | DRY FALL PAINT | P | PAINT |
| E | EXISTING | RB | RUBBER BASE |
| EP | EPOXY PAINT | RT | RUBBER TILE |
| FRP | FIBERGLASS REINFORCED PANELS | SAT | SUSPENDED ACOUSTICAL TILE |
| FV | FIELD VERIFY | SS | STAINLESS STEEL |
| GL | GLASS | WD | WOOD |
| GWB | GYP SUM WALL BOARD | | |

[illegible]

Scale:

$$3/8'' = 1'-0''$$

| No. | Revision | By | Date |
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| Designed by: |
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MICHAEL F. HAYS, RA



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ASSOCIATES

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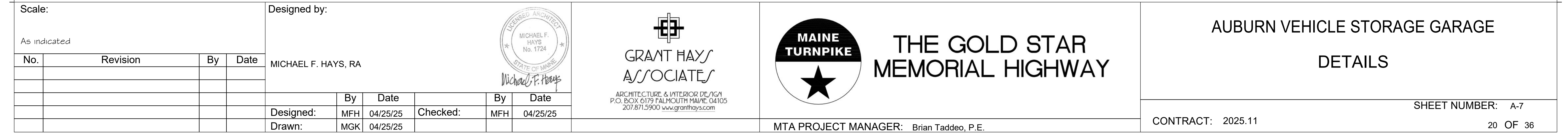
AUBURN VEHICLE STORAGE GARAGE

DOOR, WINDOW & FINISH SCHEDULES

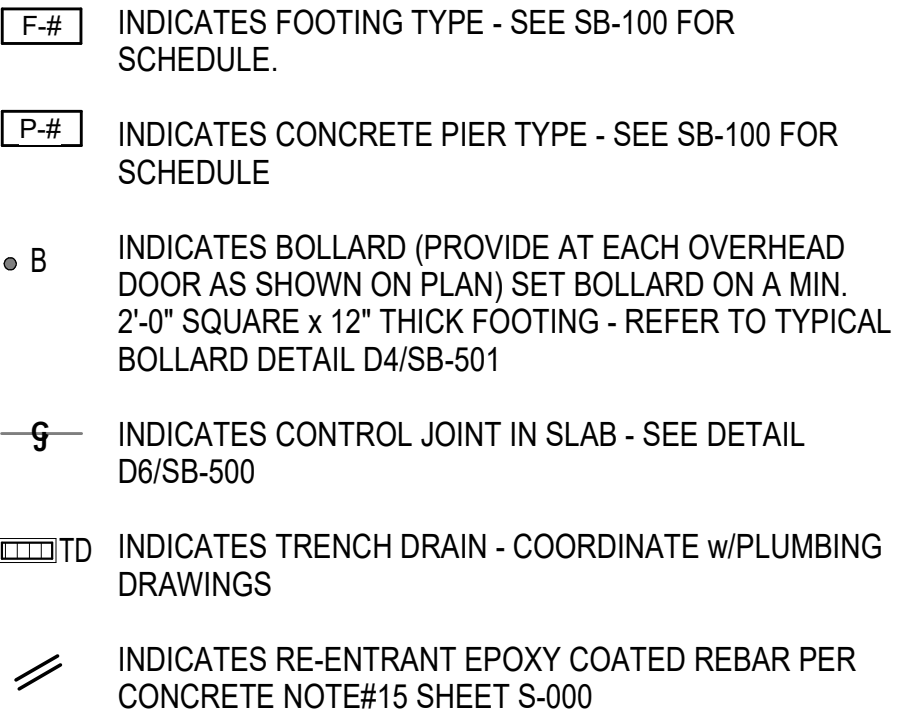
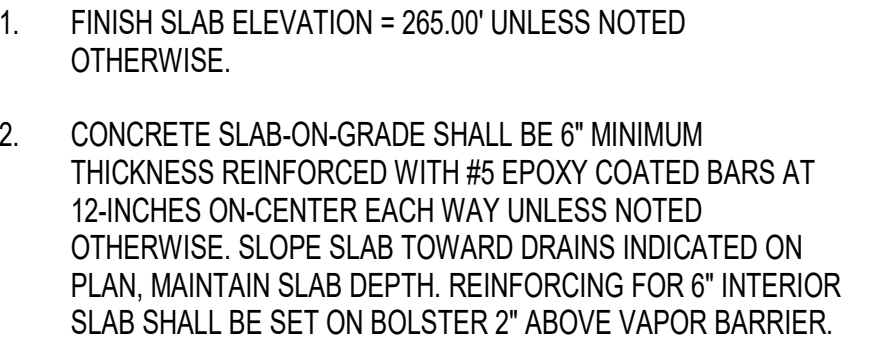
SHEET NUMBER: A-6

CONTRACT: 2025.11

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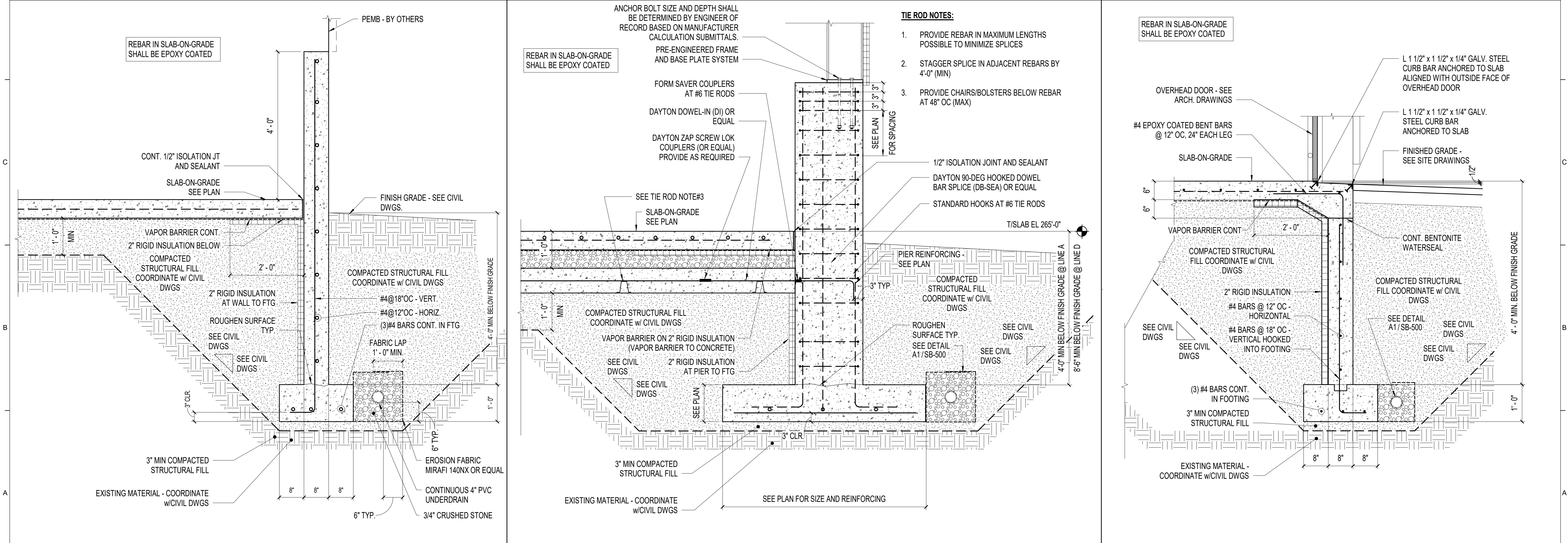
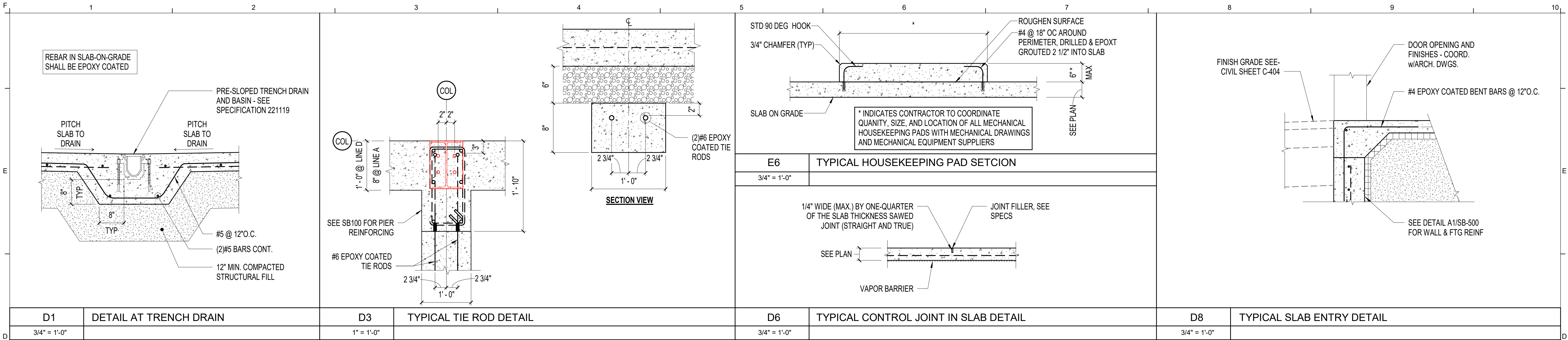


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| SPECIAL INSPECTIONS: | | | | | | | | | | | | | | | | STRUCTURAL NOTES: | | | | | | | | | | | | | | | | CONCRETE NOTES: | | | | | | | | | | | | | | | | GENERAL NOTES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. SPECIAL INSPECTIONS: AN INDEPENDENT INSPECTIONS PROGRAM AND SCHEDULE SHALL BE INCLUDED AND ARRANGED FOR THE OWNER. | | | | | | | | | | | | | | | | MINIMUM LOADING REQUIREMENTS: | | | | | | | | | | | | | | | | 1. CONCRETE WORK SHALL COMPLY WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS"; ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"; AND ACI 318 "ACI DETAIL MANUAL", AND CRSI "MANUAL OF STANDARD PRACTICE". | | | | | | | | | | | | | | | | 1. CONTRACTOR SHALL CONFORM TO SAFETY REQUIREMENTS OF THE OWNER, CONTRACT DOCUMENTS, OSHA SAFETY AND HEALTH STANDARDS, AND OTHER LOCAL AUTHORITIES IN CONNECTION WITH THE PERFORMANCE OF THIS PROJECT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. A QUALIFIED PERSON APPROVED BY THE BUILDING OFFICIALS SHALL MAKE SPECIAL INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF THE IBC-2015, AND AS DEFINED. SPECIAL INSPECTOR SHALL OBSERVE WORK FOR CONFORMANCE WITH THE APPROVED DRAWINGS AND SPECIFICATIONS. | | | | | | | | | | | | | | | | 1. DESIGN CODES: | | | | | | | | | | | | | | | | 2. CONTRACTOR SHALL PROVIDE TIES AND BRACING WHERE NECESSARY DURING CONSTRUCTION, TO REMAIN IN PLACE UNTIL THE STRUCTURE(S) IS/ARE COMPLETE. | | | | | | | | | | | | | | | | 2. REFERENCED STANDARDS OR PUBLICATIONS SHALL PERTAIN TO THE MOST CURRENT DATA, STANDARD OR PUBLICATION, UNLESS NOTED OTHERWISE. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSPECTION REPORTS SHALL BE FURNISHED TO THE OWNER, BUILDING OFFICIAL, ARCHITECT AND SER. DISCREPENCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR AND IF NOT CORRECTED, SHALL BE REPORTED TO THE OWNER, BUILDING OFFICIAL, ARCHITECT AND SER. | | | | | | | | | | | | | | | | A. INTERNATIONAL BUILDING CODE – 2021 EDITION B. ASCE/SEI 7-16 - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES C. AISC SEISMIC DESIGN MANUAL – 2012 D. MBMA'S METAL BUILDING SYSTEMS MANUAL | | | | | | | | | | | | | | | | 3. CONCRETE SHALL BE: A. FOOTINGS, PIERS AND FOUNDATION WALLS: 4,500 PSI AT (28) DAYS. SLUMP SHALL NOT EXCEED 6 INCHES (W/C RANGE: 0.48 – 0.52) – (AIR ENTRAINED). B. INTERIOR SLABS-ON-GRADE: (NO AIR) a. MAINTENANCE AREA - 4,500 PSI CONCRETE AT (28) DAYS. SLUMP SHALL NOT EXCEED 6 INCHES (W/C RANGE: 0.47 – 0.50). C. EXTERIOR SLABS ON GRADE SIDEWALKS, AND STAIRS SHALL BE 4,500 PSI AT (28) DAYS. SLUMP SHALL NOT EXCEED 6-INCHES (W/C = 0.45 – 0.47) – (AIR ENTRAINED). | | | | | | | | | | | | | | | | 3. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND CIVIL DRAWINGS AND/OR NARRATIVES, WHICH DESCRIBE THE SCOPE OF WORK. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. THE FOLLOWING TYPES OF WORK SHALL RECEIVE SPECIAL INSPECTION OVERSITE: STRUCTURAL STEEL FABRICATION, ERECTION AND CONNECTIONS, METAL DECK FASTENING, INSTALLATION OF REINFORCING STEEL FOR CONCRETE, ALL CONCRETE PLACEMENT AND STRENGTH TESTING, AND STRUCTURAL FILL PLACEMENT. | | | | | | | | | | | | | | | | 2. DESIGN PARAMETERS: | | | | | | | | | | | | | | | | 4. CONCRETE MATERIALS: | | | | | | | | | | | | | | | | 4. CONTRACTOR SHALL VISIT THE SITE AT A DESIGNATED TIME APPROVED BY THE OWNER, TO VERIFY EXISTING CONDITIONS, DIMENSIONS, LOCATION OF EXISTING UTILITIES, ETC. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES, WITHOUT EXCEPTION. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD TESTING | | | | | | | | | | | | | | | | A. ROOF SNOW LOADS: (EXCEPT AT DRIFTING SNOW LOCATIONS AND THOSE LISTED BELOW. PEMB EOR TO DETERMINE WHERE DRIFTING SNOW MAY APPLY.) | | | | | | | | | | | | | | | | A. PORTLAND CEMENT: ASTM C150, TYPE I OR II. USE ONE TYPE THROUGHOUT PROJECT. B. NORMAL WEIGHT AGGREGATES: ASTM C33. PROVIDE FROM SINGLE SOURCE FOR ENTIRE PROJECT. NO AGGREGATE CONTAINING SOLUBLE SALTS, IRON SULFIDES, PYRITE, MARCASITE, OR OCHRE WHICH CAN CAUSE STAINS ON EXPOSED CONCRETE SURFACES. C. LIGHTWEIGHT AGGREGATES: ASTM C330 D. WATER: POTABLE E. AIR-ENTRAINING ADMIXTURE: ASTM C260 F. HIGH RANGE WATER REDUCING ADMIXTURES (SUPER PLASTICIZER): ASTM C494, TYPE F OR G CONTAINING NOT MORE THAN 1% CHLORIDE IONS. G. NORMAL RANGE WATER REDUCING ADMIXTURES: ASTM C494 TYPE A CONTAINING NO CALCIUM CHLORIDE. H. ACCELERATING ADMIXTURES: ASTM C494, TYPE C OR E. | | | | | | | | | | | | | | | | 5. THE STRUCTURE SHALL BE DESIGNED AS A SELF-SUPPORTING SYSTEM ONCE ALL WORK HAS BEEN COMPLETED. CONTRACTOR IS SOLELY RESPONSIBLE FOR ERECTION PROCEDURES AND SEQUENCE OF INSTALLATION TO ENSURE SAFETY OF THE BUILDING AND ITS OCCUPANTS DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS AND TEMPORARY SHORING, PRECAUTIONS DURING BUILDING OPERATIONS, PROTECTION OF PUBLIC AND WORKERS, REMOVAL OF WASTE MATERIAL, PROTECTION OF ADJACENT PROPERTY, PROTECTION OF HAZARDOUS OPENINGS, SAFETY PRECAUTIONS, AND SANITARY PROVISIONS OF EMPLOYEES AND SUB-CONTRACTORS, AS REQUIRED, FOR THE DURATION OF THE CONTRACT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. BOLTED CONNECTIONS: 100% OF COMPONENTS AND FASTENERS IN SLIP CRITICAL CONNECTIONS, AS IDENTIFIED IN THE PROJECT CONTRACT DOCUMENTS, SHALL BE VISUALLY INSPECTED AND TESTED FOR TIGHTNESS IN ACCORDANCE WITH AISC SPECIFICATIONS FOR STRUCTURAL JOINTS, PARTS 8 AND 9. | | | | | | | | | | | | | | | | a. GROUND SNOW LOAD: 1. IMPORTANCE FACTOR: 2. COLD ROOF SLOPE FACTOR: 3. THERMAL FACTOR: 4. EXPOSURE FACTOR: 5. TERRAIN CATEGORY: | | | | | | | | | | | | | | | | 5. PROVIDE METAL OR CONCRETE SLEEVES WHERE PIPES PASS THROUGH CONCRETE WALLS OR SLABS. | | | | | | | | | | | | | | | | 6. WORK SHALL BE DONE IN AN ORDERLY AND PROFESSIONAL MANNER. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL WORK TO BE DONE BY SUB-CONTRACTORS, LOCAL AUTHORITIES, STATE AGENCIES AND/OR UTILITY COMPANIES WHICH MAY HAVE JURISDICTION OVER THIS PROJECT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. CHECK BY CALIBRATION TORQUE WRENCH: 25% OF BOLTS IN EACH NON-SC SHEAR CONNECTION, BUT NOT LESS THAN (2) PER CONNECTION. | | | | | | | | | | | | | | | | b. FLAT ROOF SNOW LOAD: | | | | | | | | | | | | | | | | 6. REINFORCING BARS IN WALLS AND FOOTINGS SHALL CONFORM TO ASTM A615 GRADE 60 DEFORMED BARS, AND SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH ACI 318-LATEST EDITION. | | | | | | | | | | | | | | | | 7. UTILITY EXTENSIONS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH STATE AND LOCAL CODES. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. FIELD-WELDED CONNECTIONS: PERFORM TESTING IN ACCORDANCE WITH ANSI/AWS D1.1, CHAPTER 6. | | | | | | | | | | | | | | | | B. ROOF DEAD LOAD: | | | | | | | | | | | | | | | | 7. REINFORCING BARS FOR INTERIOR SLABS-ON-GRADE SHALL CONFORM TO ASTM A775 GRADE 60 EPOXY COATED BARS, AND SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH ACI 318-LATEST EDITION. DAMAGE IN SURFACE COATING SHALL BE LIMITED TO LESS THAN 2 PERCENT DAMAGED COATING IN EACH 12-INCH BAR LENGTH | | | | | | | | | | | | | | | | 8. CONTRACTOR SHALL REVIEW AND SUBMIT COMPLETE SHOP DRAWINGS FOR ALL SPECIFIED PARTS OF THE WORK. NO PORTION OF THE WORK COVERED BY THESE SHOP DRAWINGS SHALL COMMENCE UNTIL RETURNED APPROVED SHOPS ARE RECEIVED BY CONTRACTOR. SHOP SUBMITTAL PACKAGES SHALL INCLUDE, BUT NOT BE LIMITED TO: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. CONDUCT TESTING OF 10% OF WELDS ON STRUCTURAL STEEL BY DYE PENETRATION OR MAGNETIC PARTICLE TESTING. | | | | | | | | | | | | | | | | C. ROOF LIVE LOAD: a. STANDARD ROOF LIVE LOAD: | | | | | | | | | | | | | | | | 8. COMPLETE SHOP DRAWINGS AND SCHEDULES OF ALL REINFORCING STEEL SHALL BE PREPARED BY CONTRACTOR AND SUBMITTED TO THE OWNER, FOR REVIEW BY EOR PRIOR TO COMMENCEMENT OF THAT PORTION OF THE WORK. ALL ACCESSORIES MUST BE SHOWN ON THE SHOP DRAWINGS. | | | | | | | | | | | | | | | | A. SITE: SHORING AND CONSTRUCTION METHODS/SEQUENCING, WHERE APPLICABLE. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. CONDUCT TESTING OF 100% OF GROOVE, PLUG, OR SLOT WELDS IN STRUCTURAL STEEL BY ULTRASONIC TESTING OR OTHER NONDESTRUCTIVE TESTING, APPROVED BY ENGINEER OF RECORD. | | | | | | | | | | | | | | | | D. FLOOR LIVE LOADS: a. OFFICE BUILDINGS 1. VEHICLE MAINTENANCE FLOOR – DESIGN FOR TRUCKS AND BUSES PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS; HOWEVER, PROVISIONS FOR FATIGUE AND DYNAMIC LOAD ALLOWANCE HAVE NOT BEEN APPLIED. | | | | | | | | | | | | | | | | 9. WELDING OF REINFORCEMENT IS NOT PERMITTED. | | | | | | | | | | | | | | | | B. CONCRETE: MIX DESIGNS, ADMIXTURES, MIX HISTORIES; REBAR ORIGIN STRENGTH/GRADE; REBAR PLACEMENT DRAWINGS. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. RADIOGRAPHICALLY TEST 5% OF ALL FULL-PENETRATION WELDS. | | | | | | | | | | | | | | | | E. WIND: a. FACTORS: 1. ASCE-7-16 2. EXPOSURE CATEGORY: 3. BUILDING HEIGHT: | | | | | | | | | | | | | | | | 10. CONSTRUCTION JOINTS FOR SLABS SHALL BE KEY JOINTED AT MID-SPAN WITH REINFORCING DISCONTINUOUS AT JOINT AND FILLED WITH AN APPROPRIATE SEALANT FOR THE INTENDED USE. | | | | | | | | | | | | | | | | C. COLD-FORMED METAL FRAMING: COLD-FORMED METAL CUT SHEETS, CONNECTIONS, PLACEMENT DRAWINGS ALONG WITH HEADER/JAMB AT OPENINGS AND FRAMING ELEMENT CALCULATIONS SIGNED BY A PE, REGISTERED IN THE PROJECT STATE. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. THE STRUCTURAL FABRICATOR AND ERECTOR SHALL SCHEDULE ALL WORK TO ALLOW THE ABOVE INSPECTION AND TESTING REQUIREMENTS TO BE COMPLETED. | | | | | | | | | | | | | | | | b. COMPONENTS AND CLADDING ULTIMATE WIND PRESSURES | | | | | | | | | | | | | | | | 11. CONTRACTOR WILL CHECK WITH EACH TRADE TO ASSURE CORRECT LOCATION, SIZE, LINE AND ELEVATION OF SLEEVES, BOND-OUTS, ETC. REQUIRED IN CONCRETE FLOORS AND WALLS. | | | | | | | | | | | | | | | | D. PRE-ENGINEERED BUILDING: PRE-ENGINEERED BUILDING CALCULATIONS AND DRAWINGS, STEEL FRAMING COMPONENTS AND CONNECTIONS, ALL SEALED BY A PE REGISTERED IN THE PROJECT STATE. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROOF TIE-OFF ANCHOR NOTES: | | | | | | | | | | | | | | | | ROOF SURFACE PRESSURES (PSF) | | | | | | | | | | | | | | | | 12. CONTRACTOR SHALL BE RESPONSIBLE FOR FLOOR DRAIN SETTING AND EXTENTS OF AREA SLOPE TO DRAIN DEVELOPMENT. VERIFY WITH ARCHITECTURAL AND PLUMBING PLANS TO ENSURE COMPLETE AREA DRAINAGE PLAN MATCHES THE DESIGN INTENT. | | | | | | | | | | | | | | | | E. STRUCTURAL STEEL: MISCELLANEOUS STEEL FRAMING COMPONENT SHOP DRAWINGS, ALONG WITH APPLICABLE FRAMING COMPONENT AND CONNECTION CALCULATIONS, ALL SEALED BY A PE REGISTERED IN THE PROJECT STATE. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. PEMB DESIGN SHALL INCLUDE DESIGN CALCULATIONS AND ALL SUPPLEMENTAL STRUCTURAL FRAMING INTERGRAL WITH THE PEMB DESIGN AT THESE LOCATIONS. SYSTEM SHALL BE DESIGN FOR A 5,000 # HORIZONTAL LOADING APPLIED IN ANY DIRECTION AT THE TOP OF THE TIE-OFF ANCHORAGE SYSTEM. | | | | | | | | | | | | | | | | AREA 100 SF 200 SF | | | | | | | | | | | | | | | | 13. MECHANICAL EQUIPMENT RESTING ON THE CONCRETE FLOOR SLAB SHALL HAVE A 4-INCH HIGH CONCRETE PAD UNDERNEATH; EXTENDING A MINIMUM OF 6-INCHES BEYOND UNIT EDGE (EACH DIRECTION), REINFORCED WITH #3 BARS AT 18-INCHES ON-CENTER, EACH WAY. | | | | | | | | | | | | | | | | 9. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY EXISTING ITEMS DAMAGED BY NEW CONSTRUCTION, AND FOR ANY INCIDENTAL REPAIRS OF EXISTING FINISHED SURFACES DISTURBED BY NEW CONSTRUCTION; SUCH REPAIRS SHALL MATCH EXISTING TO THE OWNER'S SATISFACTION. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. PROVIDE GUARDIAN FALL PROTECTION CB-18 ROOF ANCHORS (OR EQUAL) DIRECT CONNECTED TO PRE-ENGINEERED BUILDING ROOF. | | | | | | | | | | | | | | | | NEGATIVE ZONE 1 -33.5 -30.7 NEGATIVE ZONE 1' -24.7 -21.2 NEGATIVE ZONE 2 -44.4 -40.9 NEGATIVE ZONE 3 -53.0 -45.7 POSITIVE ALL ZONES 16.0 16.0 OVERHANG ZONE 1 & 1' -36.6 -30.6 OVERHANG ZONE 2 -36.4 -31.5 OVERHANG ZONE 3 -44.9 -36.4 | | | | | | | | | | | | | | | | 14. ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE USED. CONCRETE SHALL NOT BE IN DIRECT CONTACT WITH ALUMINUM. | | | | | | | | | | | | | | | | 10. CONTRACTOR IS RESPONSIBLE FOR COORDINATING, HANDLING, AND STORAGE OF ITEMS/MATERIALS TO REMAIN THE PROPERTY OF THE OWNER WITH THE OWNER'S REPRESENTATIVE. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOUNDATION NOTES: | | | | | | | | | | | | | | | | F. SEISMIC: | | | | | | | | | | | | | | | | 15. PROVIDE IN SLABS-ON-GRADE: (2) #4 EPOXY COATED BARS, 4'-0" LONG, AT EACH REENTRANT CORNER AND BOTH SIDES OF EACH DOOR OPENING. | | | | | | | | | | | | | | | | 11. SPECIAL INSPECTIONS, AS REQUIRED BY IBC 2015 SECTION 1704, SHALL BE PERFORMED BY AN INSPECTION AGENCY CONTRACTED BY THE OWNER FOR THE FOLLOWING ELEMENTS: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. THE SITE SHALL BE PREPARED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY S.W. COLE ENGINEERING, INC., DATED MARCH 5, 2025. NET ALLOWABLE BEARING USED FOR DESIGN IS 3.0 KSF PER REPORT REFERENCED ABOVE. BEARING PRESSURE SHALL BE VERIFIED BY THE OWNER'S TESTING AGENCY PRIOR TO PLACING FOOTING CONCRETE. | | | | | | | | | | | | | | | | a. DESIGN DATA: 1. BUILDING RISK CATEGORY: 2. MAPPED RESPONSE SPECTRAL ACC. (0.2 SEC.): 3. MAPPED RESPONSE SPECTRAL ACC. (1.0 SEC.): 4. SOIL SITE CLASSIFICATION: 5. IMPORTANCE FACTOR: 6. DESIGN RESPONSE SPECTRAL ACC. @ 5% DAMPED DESIGN: 7. SEISMIC DESIGN CATEGORY: 8. BASIC SEISMIC FORCE-RESISTING SYSTEM: 9. SEISMIC RESPONSE COEFFICIENT 10. ANALYSIS PROCEDURE: | | | | | | | | | | | | | | | | 16. COORDINATE SLAB DEPRESSIONS AND ALL INTERIOR FLOOR SLOPES TO DRAIN LOCATIONS WITH ARCHITECTURAL DRAWINGS. | | | | | | | | | | | | | | | | 1. CONCRETE/FOUNDATIONS: REBAR PLACEMENTS FOR CONFORMANCE WITH CONTRACT DOCUMENTS, CONCRETE DELIVERY TICKET MIX CONFIRMATION, VOLUME TEST SAMPLES FOR CONCRETE PLACEMENTS WITH 7, 14, AND 28 DAY BREAK TEST RESULTS. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. EXTERIOR STRIP AND SPREAD FOOTINGS SHALL HAVE MINIMUM 5'-0" GRADE COVER TO BOTTOM OF FOOTING ELEVATIONS. | | | | | | | | | | | | | | | | b. DESIGN COEFFICIENTS AND FACTORS FOR SEISMIC FORCE RESISTING SYSTEMS | | | | | | | | | | | | | | | | 17. SLAB THICKNESSES (ON-GRADE) INDICATED ON THE DRAWINGS ARE MINIMUMS. PROVIDE SUFFICIENT CONCRETE TO ACCOUNT FOR SUBGRADE FLUCTUATIONS IN ORDER TO OBTAIN SPECIFIED SLAB ELEVATIONS AND SLOPES TO FLOOR DRAINS/TRENCHES. FLATNESS AND LEVELNESS INDICATED IN THE SPECIFICATION. | | | | | | | | | | | | | | | | 2. SOILS: COMPACTION TESTING AND GRADATION CONFIRMATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. 10 MIL VAPOR BARRIER REQUIREMENTS BENEATH SLABS THROUGHOUT. | | | | | | | | | | | | | | | | 1. STEEL SYSTEMS NOTE SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE A. RESPONSE MODIFICATION B. SYSTEM OVERSTRENGTH FACTOR C. DEFLECTION AMPLIFICATION FACTOR | | | | | | | | | | | | | | | | 18. ANCHOR BOLTS SHALL CONFORM TO ASTM A1554 – GRADE 36 UNLESS NOTED OTHERWISE ON PLAN. | | | | | | | | | | | | | | | | 3. STEEL INCLUDING PEMB BUILDING FRAMING: STEEL PLACEMENTS FOR CONFORMANCE WITH CONTRACT DOCUMENTS, 100% OF BOLTED CONNECTIONS TESTING, 10% OF FIELD WELDED CONNECTIONS. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. UNDERDRAINS SHALL BE PLACED AS SHOWN ON THE SITE DRAWINGS. UNDERDRAINS SHALL BE INSTALLED TO POSITIVELY DRAIN TO A SUITABLE DISCHARGE POINT AWAY FROM THE STRUCTURE. REFER TO SITE DRAWINGS FOR ADDITIONAL INFORMATION. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19. FOUNDATION WALL CONTROL JOINTS SHALL BE PLACED AT A MAXIMUM OF 60'-0" ON CENTER (EXTERIOR WALLS) AND 30'-0" ON CENTER (INTERIOR WALLS). CONTRACTOR SHALL PROVIDE A PROPOSED LAYOUT OF FOUNDATION WALL CONTROL JOINT LOCATIONS THAT WILL FIT BEST WITH THEIR WALL FORMWORK FOR REVIEW AND ACCEPTANCE BY EOR. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. EXCAVATIONS FOR BUILDING FOUNDATIONS AND STRUCTURES SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS. BRACED EXCAVATIONS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROJECT STATE. DO NOT UNDERMINE EXISTING ADJACENT FOUNDATIONS. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. IN NO CASE SHALL HEAVY EQUIPMENT BE PERMITTED CLOSER THAN 8'-0" FROM ANY FOUNDATION/BASEMENT WALL. IF THE CONTRACTOR DEEMS IT NECESSARY TO OPERATE SUCH EQUIPMENT CLOSER THAN 8'-0", THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE AND, AT HIS OWN EXPENSE, PROVIDE ADEQUATE SUPPORTS OR WALL BRACES TO WITHSTAND THE ADDITIONAL LOADS SUPERIMPOSED FROM SUCH EQUIPMENT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. CONCRETE SHALL NOT BE PLACED ON FROZEN GROUND OR IN WATER. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scale: | | | | | | | | | | | | | | | | Designed by: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AUBURN VEHICLE STORAGE GARAGE | | | | | | | | | | | | | | | |
| No. Revision By Date | | | | | | | | | | | | | | | | WILLIAM P. FAUCHER, P.E. | | | | | | | | | | | | | | | | Allied Engineering A Salas O'Brien Company 160 Veranda Street Portland, Maine 04103 P: 207.221.2260 F: 207.221.2266 | | | | | | | | | | | | | | | | MAINE TURNPIKE THE GOLD STAR MEMORIAL HIGHWAY | | | | | | | | | | | | | | | | STRUCTURAL - GENERAL INFORMATION | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AEI PROJ.NO.:2561-00178 CAD FILE: 2561-00178S_R22.rvt | | | | | | | | | | | | | | | | MTA PROJECT MANAGER: Brian A. Taddeo, P.E. | | | | | | | | | | | | | | | | SHEET NUMBER: S-000 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Designed: WPF 04/25/25 | | | | | | | | | | | | | | | | Checked: WPF 04/25/25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | CONTRACT: 2025.11 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Drawn: MJB 04/25/25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 OF 36 | | | | | | | | | | | | | | | |

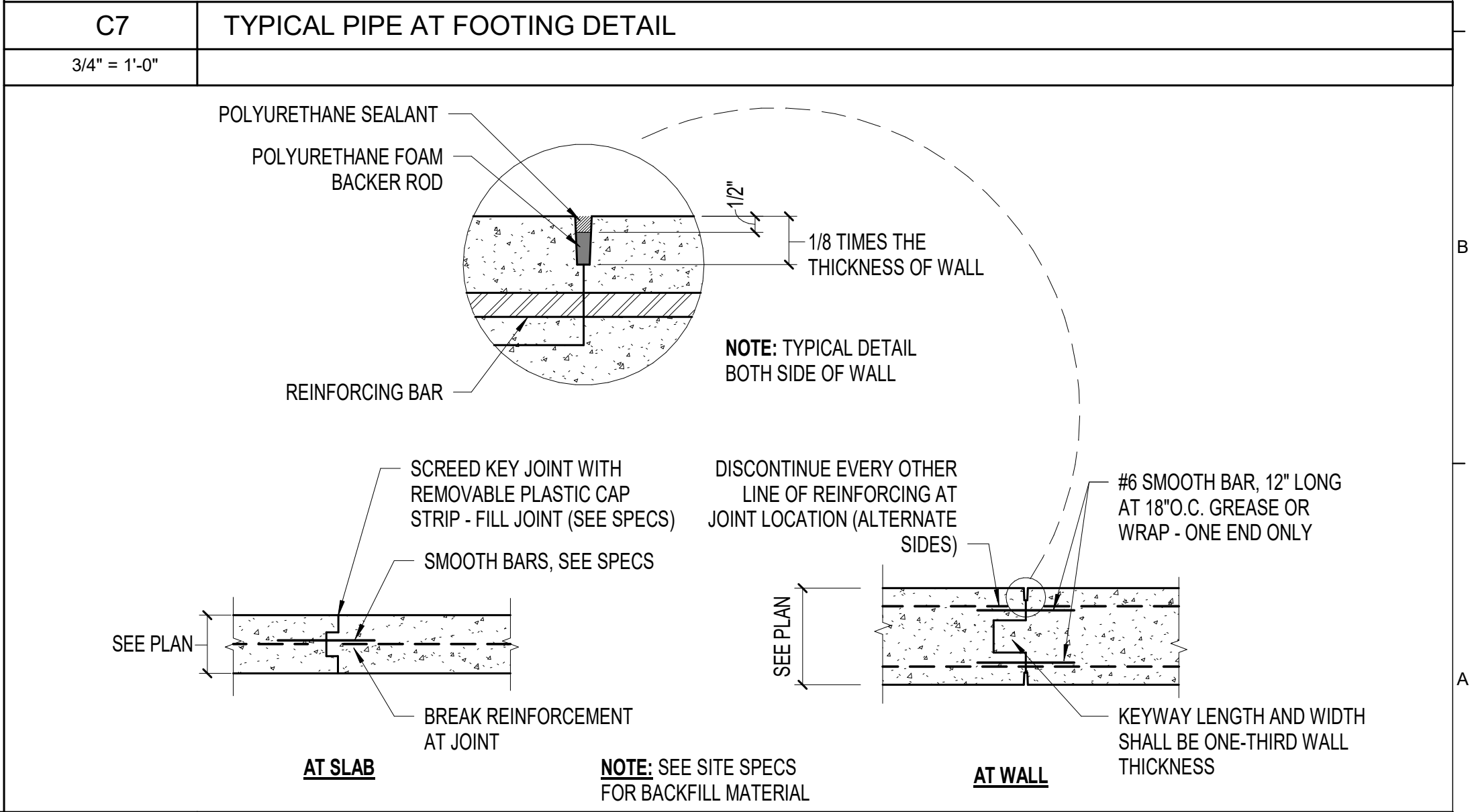
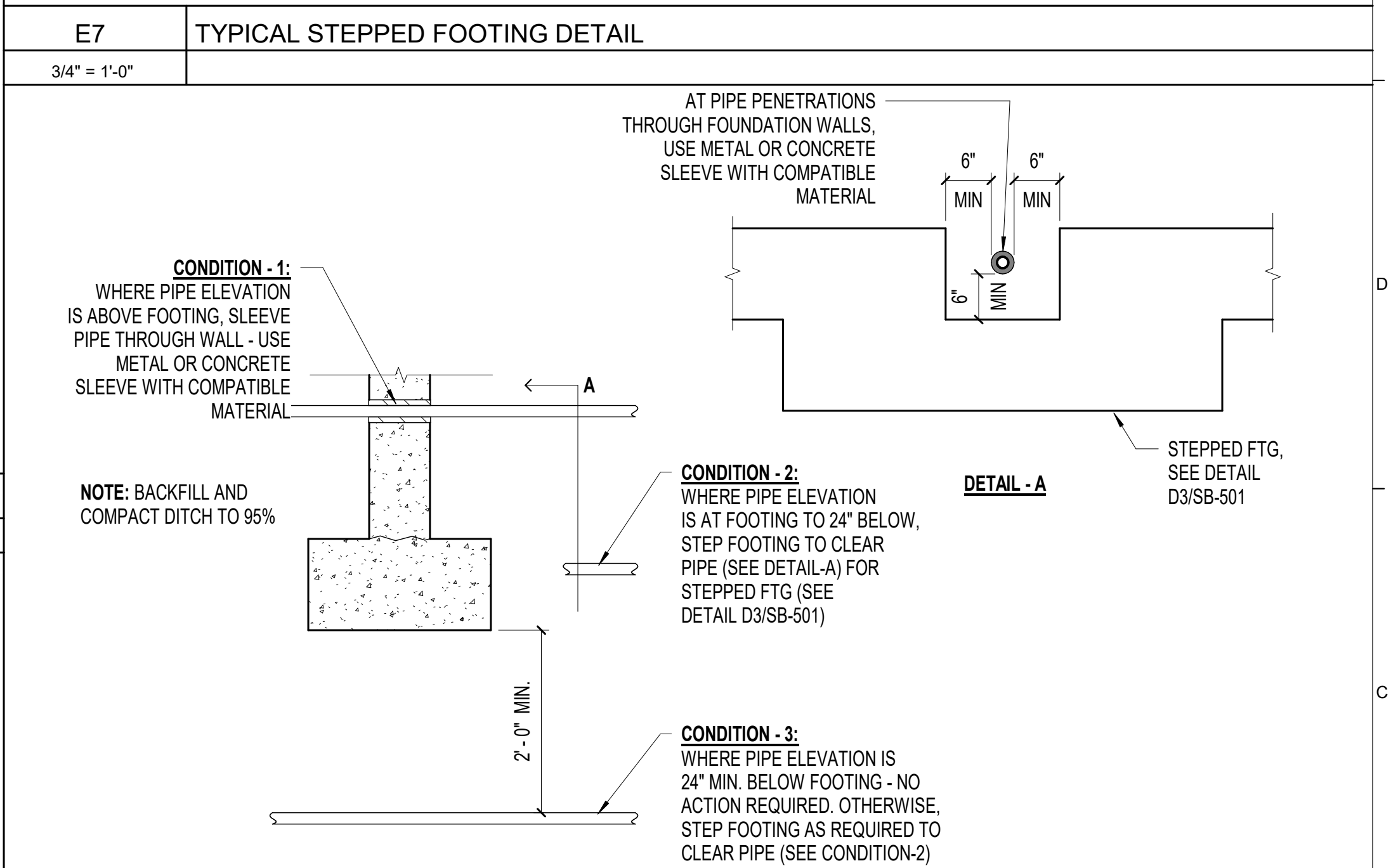
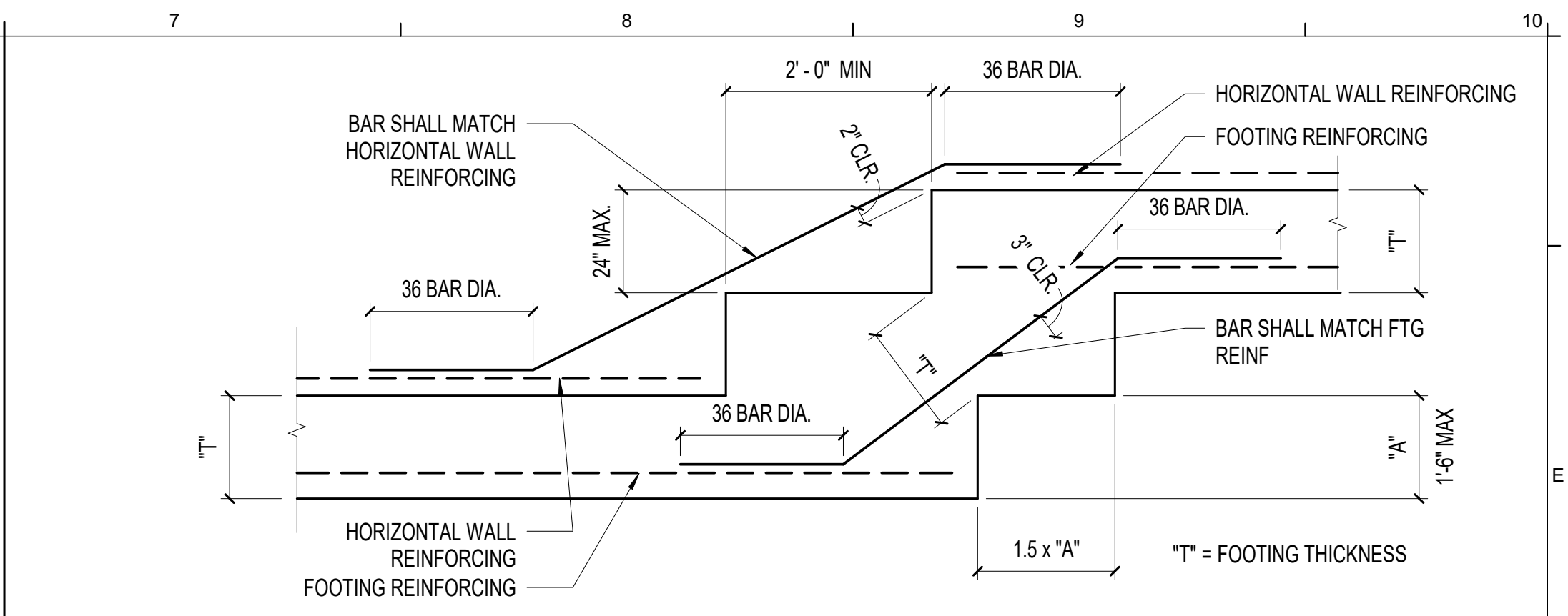
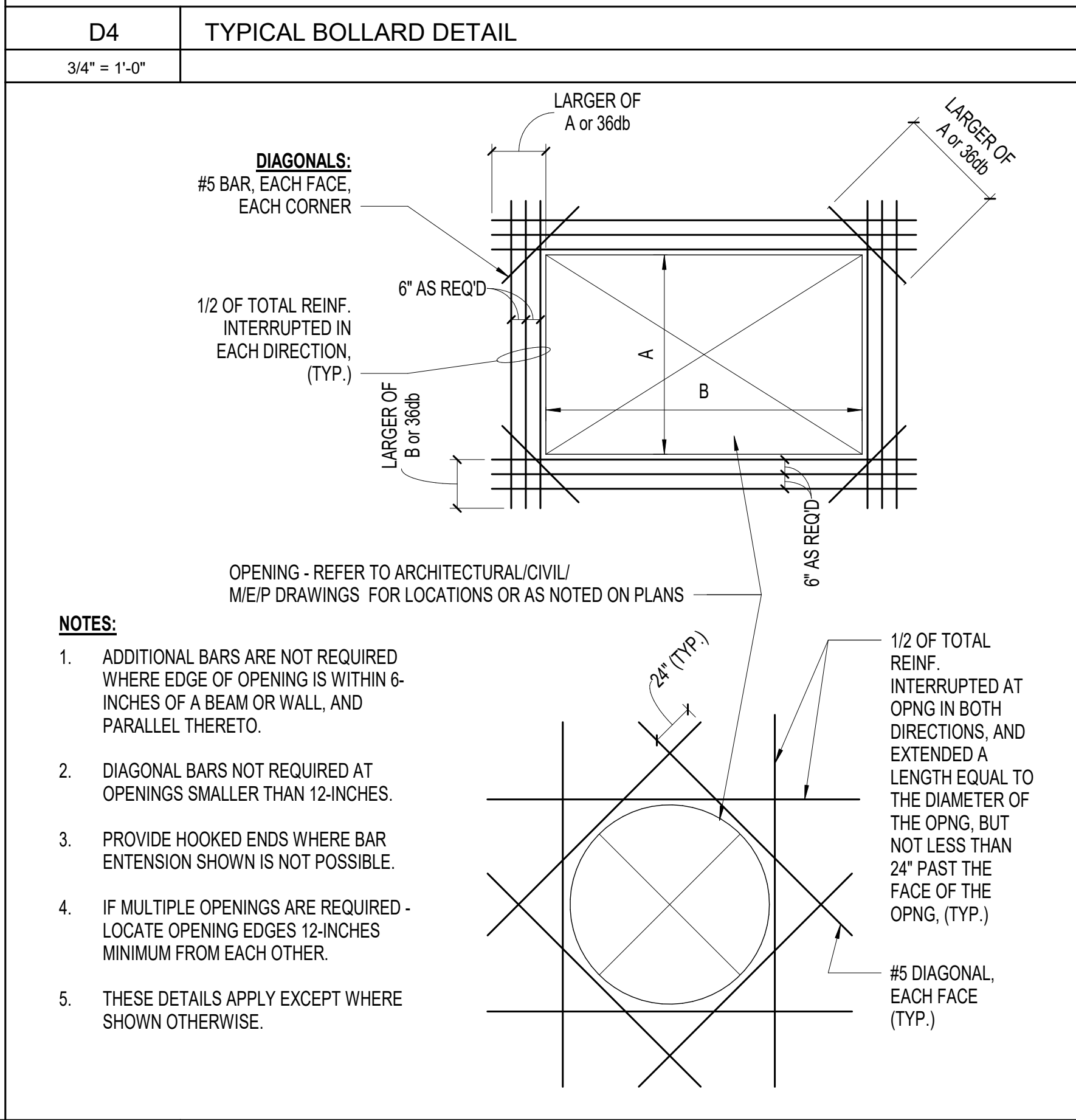
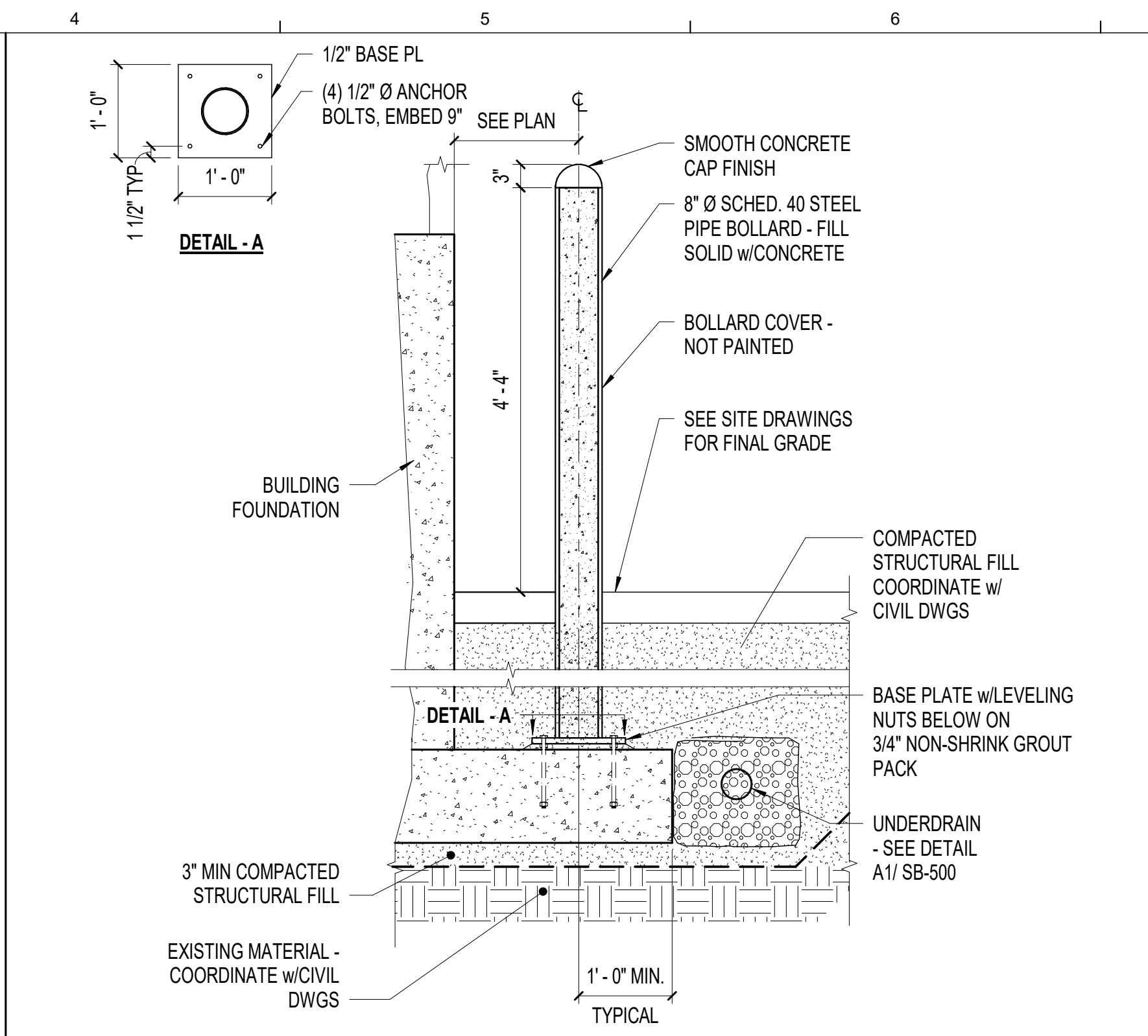
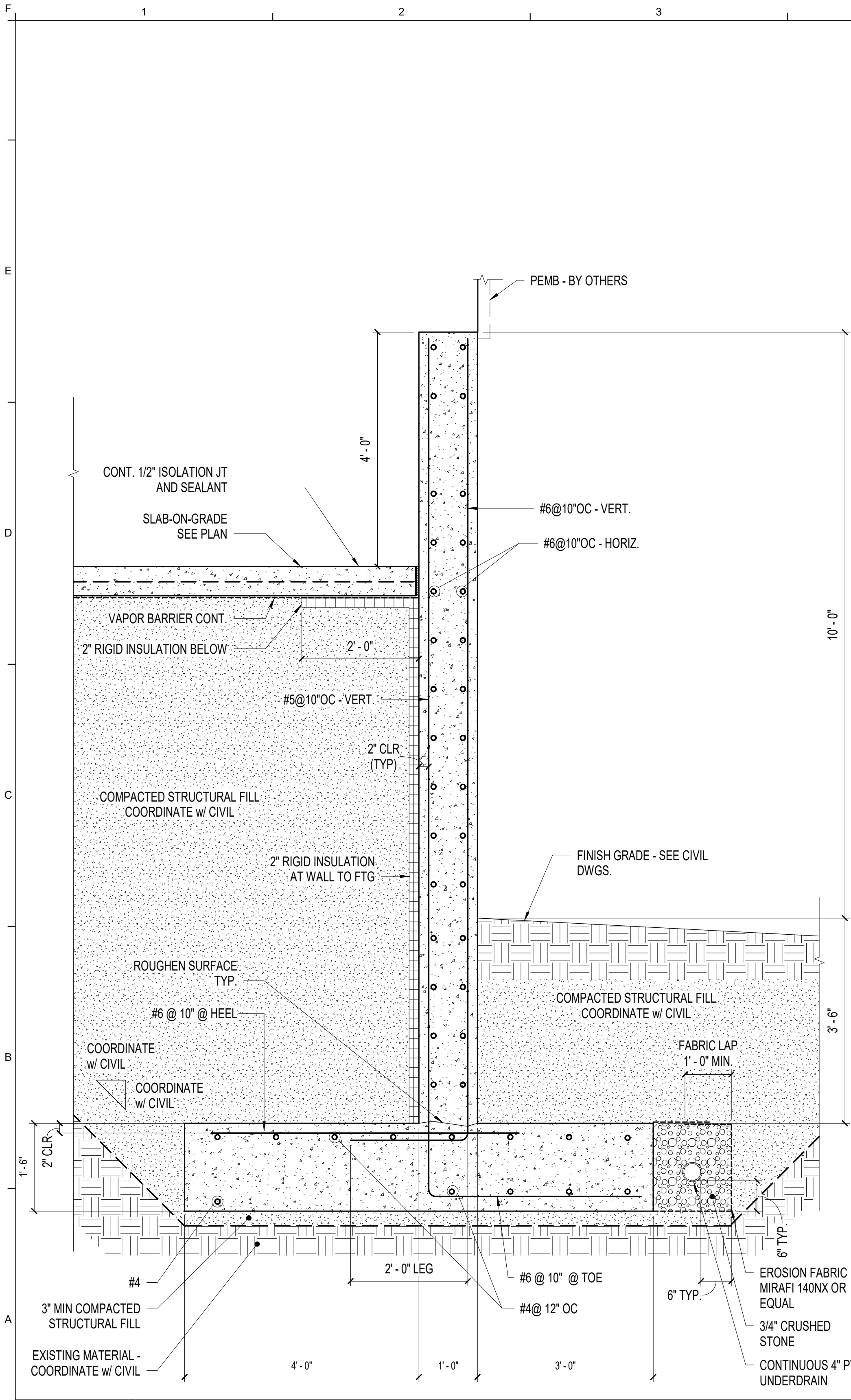




DIMENSIONAL LAYOUT / FOUNDATIONS / PIER SIZES ARE PRELIMINARY. FINAL DIMENSIONS / FOUNDATIONS / PIER SIZES SHALL BE DETERMINED UPON RECEIPT AND APPROVAL OF FINAL PRE-ENGINEERED METAL BUILDING (PEMB) SHOP DRAWING SUBMITTAL PACKAGE INCLUDING MEMBER SIZES AND REACTIONS.

CONTRACT: 2025.11 23 OF 36



| | | | | | | | | | | | | | | | |
|--------------------------|----------|---------------------|----------|----------|--|--------------|-------------------------------|------------------------------|--|--|--|----------------------|--|--|--|
| A1 | | TYPICAL 8" FDN WALL | | | | A6 | | TYPICAL EXTERIOR PIER DETAIL | | | | A8 | | TYPICAL AT OHD ENTRY | |
| 3/4" = 1'-0" | | | | | | 3/4" = 1'-0" | | | | | | 3/4" = 1'-0" | | | |
| Scale: | | | | | Designed by: | | | | | | | | | | |
| As indicated | | | | | <div><div><div><div><div><div></div><div>STATE OF MAINE</div><div>WILLIAM P. FAUCHER</div><div>No. 1133</div><div>REGISTERED PROFESSIONAL ENGINEER</div></div></div><div><div><div><div><div></div><div>Allied Engineering</div><div>A Salas O'Brien Company</div></div><div>160 Veranda Street</div><div>Portland, Maine 04103</div><div>P: 207.221.2260</div><div>F: 207.221.2266</div></div></div><div><div><div><div><div></div><div>MAINE</div><div>TURNPIKE</div><div>★</div></div><div>THE GOLD STAR</div><div>MEMORIAL HIGHWAY</div></div></div></div></div></div></div></div> | | | | | | | | | | |
| No. | Revision | | By | Date | | | | | | | | | | | |
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| WILLIAM P. FAUCHER, P.E. | | | | | | | | | | | | | | | |
| | | By | Date | | By | Date | | | | | | | | | |
| Designed: | | WPF | 04/25/25 | Checked: | | WPF | 04/25/25 | | | | | | | | |
| Drawn: | | MJB | 04/25/25 | | | | | | | | | | | | |
| AEI PROJ.NO.:2561-00178 | | | | | | | CAD FILE: 2561-00178S_R22.rvt | | MTA PROJECT MANAGER: Brian A. Taddeo, P.E. | | | | | AUBURN VEHICLE STORAGE GARAGE STRUCTURAL - FOUNDATION DETAILS - 1 | |
| | | | | | | | | | | | | SHEET NUMBER: SB-500 | | | |
| | | | | | | | | | | | | CONTRACT: 2025.11 | | | |
| | | | | | | | | | | | | 24 OF 32 | | | |



| | | | | | | | | | | | |
|--|--|--------------------------------|----------|---|--|--|----------|--|--|---|--|
| A1 | | TYPICAL 12" FDN RETAINING WALL | | A4 | | TYPICAL ADDITIONAL REINFORCING FOR OPENING IN CONCRETE WALL/SLAB | | A7 | | TYPICAL WALL AND SLAB CONSTRUCTION JOINT DETAIL | |
| 3/4" = 1'-0" | | | | 3/4" = 1'-0" | | | | 3/4" = 1'-0" | | | |
| Scale: As indicated | | | | Designed by: WILLIAM P. FAUCHER, P.E. | | | | <div><div><p>Allied Engineering A Salas O'Brien Company 160 Veranda Street Portland, Maine 04103 P: 207.221.2260 F: 207.221.2266</p></div><div><p>THE GOLD STAR MEMORIAL HIGHWAY</p></div></div> | | | |
| No. | | Revision | | By | | Date | | | | | |
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| Designed: | | WPF | 04/25/25 | Checked: | | WPF | 04/25/25 | | | | |
| Drawn: | | MJB | 04/25/25 | | | | | | | | |
| | | | | AEI PROJ.NO.:2561-00178 CAD FILE: 2561-00178S_R22.rvt | | | | MTA PROJECT MANAGER: Brian A. Taddeo, P.E. | | | |
| AUBURN VEHICLE STORAGE GARAGE STRUCTURAL - FOUNDATION DETAILS - 2 | | | | | | | | SHEET NUMBER: SB-501 | | | |
| | | | | | | | | CONTRACT: 2025.11 | | | |

| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | |
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| | PIPE ELBOW TURNED DN | | BALANCING VALVE | | FLOOR DRAIN | | DUCT/PIPE CAP (SINGLE/DOUBLE LINE) | | EF- | ROOFTOP EXHAUST FAN | | DETAIL REFERENCE SYMBOL | | | | | | | |
| | PIPE ELBOW TURNED UP | | AIR VENT ~ REFER TO SPECIFICATIONS | | DUCTWORK ~ FIRST DIMENSION IS SIDE SHOWN IN INCHES S= SUPPLY, R= RETURN, E= EXHAUST AIR, OA= OUTSIDE AIR F.O. = FLAT OVAL | | VOLUME DAMPER | | | CEILING SUPPLY DIFFUSER | | DETAIL No. | | SHEET DETAIL LOCATED ON | | | | | |
| | PIPING TEE DOWN | | STRAINER WITH BLOWDOWN VALVE AND CAP | | ACCOUSTICAL LINING (DUCT DIMENSION FOR NET FREE AREA) | | FIRE DAMPER | | | CEILING RETURN GRILLE | | SECTION REFERENCE SYMBOL | | SECTION No. | | SHEET SECTION LOCATED ON | | | |
| | PIPE RISER | | RELIEF/SAFETY VALVE | | DUCT TRANSITION | | SMOKE DAMPER | | | CEILING EXHAUST GRILLE | | POINT OF CONNECTION - EXISTING TO NEW | | | | | | | |
| | 45° ELBOW DOWN | | PRESSURE GAUGE WITH COCK | | SQUARE TO ROUND DUCT TRANSITION | | FIRE AND SMOKE DAMPER | | | DIRECTION OF AIR FLOW | | REGISTER, GRILLE & DIFFUSER TAG | | | | | | | |
| | PIPING TO BE REMOVED | | PRESSURE REDUCING VALVE | | FLEX DUCT | | BACKDRAFT DAMPER | | | FINTUBE TAG | | FINTUBE No. | | | | | | | |
| | CAPPED PIPING | | PUMP ~ POINT OF TRIANGLE INDICATES DIRECTION OF FLOW | | SUPPLY DUCT TURNED UP/DN | | MOTORIZED DAMPER | | | FINTUBE No. | | LENGTH | | | | | | | |
| | DIRECTION OF FLOW | | GAS SHUT-OFF VALVE | | RETURN DUCT TURNED UP/DN | | FLEXIBLE CONNECTION | | | FINTUBE No. | | GPM | | | | | | | |
| | PIPE PITCHES DOWN | | HOSE END DRAIN VALVE W/CAP | | EXHAUST DUCT TURNED UP/DN | | TEMPERATURE SENSOR OR THERMOSTAT (AS SPECIFIED) | | | FINTUBE No. | | MINIMUM CFM | | | | | | | |
| | UNION | | THERMOMETER WITH COCK | | ROUND DUCT TURNED UP/DN | | HUMIDISTAT OR HUMIDITY SENSOR (AS SPECIFIED) | | | FINTUBE No. | | MAXIMUM CFM | | | | | | | |
| | BACKFLOW PREVENTER | | SOLENOID VALVE | | MITERED DUCT ELBOW W/TURNING VANES | | CARBON DIOXIDE SENSOR | | | FINTUBE No. | | GPM | | | | | | | |
| | FLEXIBLE CONNECTION | | DIFFERENTIAL PRESSURE TRANSMITTER | | RADIUS DUCT ELBOW | | CARBON MONOXIDE SENSOR | | | EQUIPMENT TAG | | TYPE DESIGNATOR | | | | | | | |
| | SHUT-OFF/ISOLATION VALVE REFER TO SPECIFICATIONS | | HOSE BIB/WALL HYDRANT | | | | ACCESS PANEL | | | EQUIPMENT TAG | | NUMBER | | | | | | | |
| | GATE VALVE ~ OUTSIDE SCREW & YOKE (OS&Y) | | FLOOR CLEANOUT | | | | DUCT SMOKE DETECTOR | | | EQUIPMENT TAG | | NUMBER | | | | | | | |
| | GLOBE VALVE | | WALL CLEANOUT | | | | | | | | | | | | | | | | |
| | LOCKABLE BALL VALVE | | | | | | | | | | | | | | | | | | |
| | 2-WAY CONTROL VALVE | | | | | | | | | | | | | | | | | | |
| | 3-WAY CONTROL VALVE | | | | | | | | | | | | | | | | | | |
| | CHECK VALVE | | | | | | | | | | | | | | | | | | |



NOTE

ALL GENERAL NOTES, SYMBOL LEGENDS AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL PLUMBING AND HVAC DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.

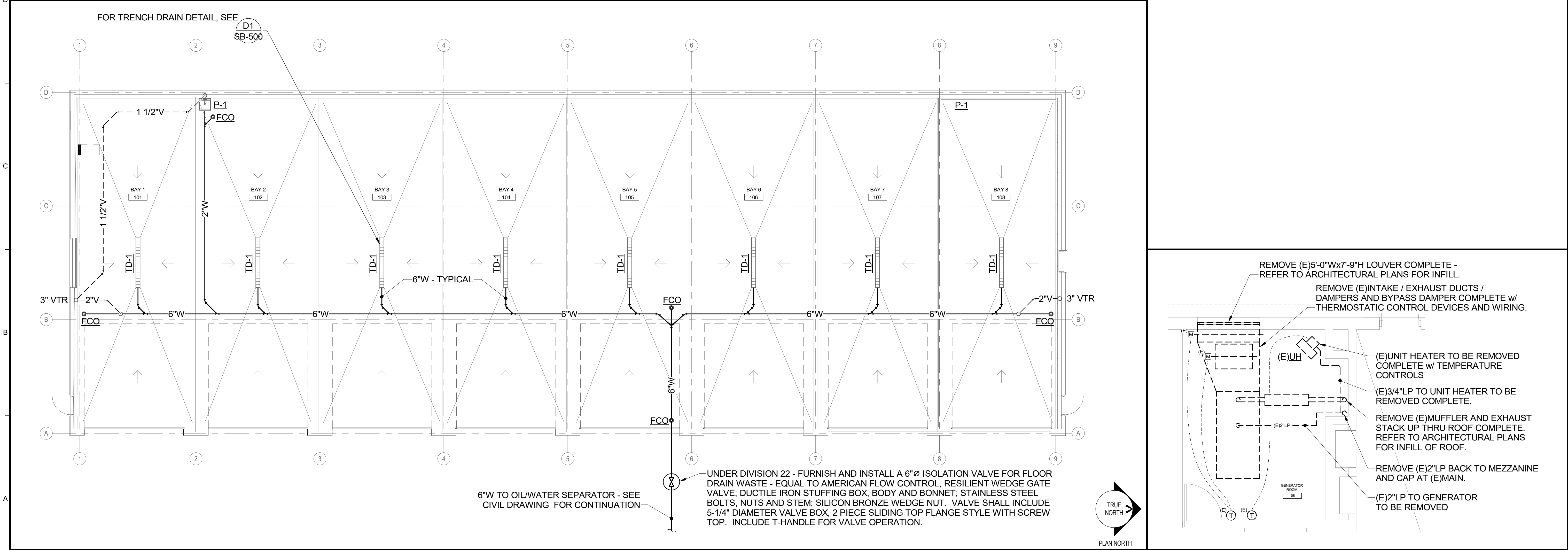
| D1 | | SYMBOLS LEGEND | | | | | | | | | | | | |
|-------|-------------------------|-----------------------------|---------------------------|----------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------|-------------------------|--|---------------------------|------------|--------------------------|
| NONE | | | | | | | | | | | | | | |
| C | —AW— | ACID WASTE | —HCR— | HEAT/COOL RETURN | —RL— | REFRIGERANT LIQUID | AAV | AUTOMATIC AIR VENT | ENC | ENCLOSURE | MBH | 1000 BTUH/hr. | SPLR | SPRINKLER |
| | —ATV— | AIR RELIEF | —HCS— | HEAT/COOL SUPPLY | —RS— | REFRIGERANT SUCTION | AD | ACCESS DOOR | ERU | ENERGY RECOVERY UNIT | MFR | MANUFACTURER | SQ. FT; SF | SQUARE FEET |
| | —BBD— | BOILER BLOWDOWN | —HPWR— | HEAT PUMP WATER RETURN | —RO— | REVERSE OSMOSIS WATER | AFF; A.F.F. | ABOVE FINISHED FLOOR | ET | EXPANSION TANK | MIN | MINIMUM | S.S. | STAINLESS STEEL |
| | —C— | CONDENSATE (HVAC DRAIN PAN) | —HPWS— | HEAT PUMP WATER SUPPLY | —RW— | RAIN WATER - ABOVE FLOOR | AHU | AIR HANDLING UNIT | (E) | EXISTING | MOD | MOTOR OPERATED DAMPER | TD | TRENCH DRAIN |
| | —CA— | COMPRESSED AIR | —HPC— | HIGH PRESSURE CONDENSATE | —RW— | RAIN WATER - BELOW GRADE | AP | ACCESS PANEL | FC | FLEXIBLE CONNECTION | MTD | MOUNTED | TP | TRAP PRIMER |
| | --CHWR-- | CHILLED WATER RETURN | —HPS— | HIGH PRESSURE STEAM | —RWO— | RAIN WATER OVERFLOW - ABOVE FLOOR | APPROX. | APPROXIMATE; APPROXIMATELY | ECO | FLOOR CLEANOUT | MTG | MOUNTING | TSP | TOTAL STATIC PRESSURE |
| | —CHWS— | CHILLED WATER SUPPLY | —HTWR— | HIGH-TEMP HOT WATER RETURN | —RWO— | RAIN WATER OVERFLOW - BELOW GRADE | ATC | AUTOMATIC TEMPERATURE CONTROL | FD# | FLOOR DRAIN TAG | MUA | MAKE UP AIR | TTS | TIGHT TO STEEL |
| | ---CTR--- | COOLING TOWER RETURN | —HWR— | HOT WATER RETURN | —SP— | SPRINKLER MAIN PIPING | AV | AIR VENT | FD | FIRE DAMPER | N.C. | NORMALLY CLOSED | TYP | TYPICAL |
| | —CTS— | COOLING TOWER SUPPLY | —HWS— | HOT WATER SUPPLY | —SWR— | SOLAR WATER RETURN | BDD | BACKDRAFT DAMPER | FTG | FOOTING | N.O. | NORMALLY OPEN | UH | UNIT HEATER |
| | ---CWR--- | CONDENSER WATER RETURN | —IND— | INDUSTRIAL WASTE | —SWS— | SOLAR WATER SUPPLY | BFP | BACKFLOW PREVENTER | GC | GENERAL CONTRACTOR | NG | NATURAL GAS | UIC | UP IN CHASE |
| | —CWS— | CONDENSER WATER SUPPLY | —IW— | INDIRECT WASTE | --TP-- | TRAP PRIMER - ABOVE FLOOR | BLDG | BUILDING | GPM | GALLONS PER MINUTE | NIC | NOT IN CONTRACT | UIW | UP IN WALL |
| | — - - | DOMESTIC COLD WATER | —LN— | LIQUID NITROGEN | --TP-- | TRAP PRIMER - BELOW GRADE | BOD | BOTTOM OF DUCT | GRV | GRAVITY ROOF VENTILATOR | NPT | NATIONAL PIPE THREAD | VAC | VACUUM |
| | — - - | DOMESTIC HOT WATER | —LOX— | LIQUID OXYGEN | —TWR— | TEMPERED WATER RETURN | CONV. | CONVECTOR | H | HUMIDIFIER | NTS | NOT TO SCALE | VCFF | VALVE & CAP FOR FUTURE |
| | — - - | DOMESTIC HOT WATER RECIRC. | —LP— | LIQUID PETROLEUM GAS | —TWS— | TEMPERED WATER SUPPLY | CFM | CUBIC FEET PER MINUTE | HB | HOSE BIBB | OD | OUTSIDE DIAMETER | W/ | WITH |
| | —D— | DRAIN | —LPR— | LOW PRESSURE CONDENSATE | --V-- | SANITARY SOIL VENT - ABOVE FLOOR | CLG | CEILING | HC; HDC | HANDICAP ACCESS | OED | OPEN ENDED DUCT | WB | WET BULB TEMPERATURE, °F |
| | —FM— | PUMP FORCE MAIN | —LPS— | LOW PRESSURE STEAM | --V-- | SANITARY SOIL VENT - BELOW GRADE | CO | CLEANOUT | HGT; HT | HEIGHT | P# | PLUMBING FIXTURE TAG | WCO | WALL CLEANOUT |
| | —FOF— | FUEL OIL FILL | —MA— | MEDICAL AIR | —VAC— | VACUUM (AIR) | CONN | CONNECT; CONNECTION | HP | HEAT PUMP | PRS | PRESSURE REDUCING STATION | WH | WATER HEATER |
| | —FOR— | FUEL OIL RETURN | —MPR— | MEDIUM PRESSURE CONDENSATE | —VC— | VACUUM CLEANING (HOUSE) | CONT. | CONTINUE; CONTINUATION | HRU | HEAT RECOVERY UNIT | RD | ROOF DRAIN | WHYD | WALL HYDRANT |
| —FOS— | FUEL OIL SUPPLY | —MPS— | MEDIUM PRESSURE STEAM | —VPD— | VACUUM PUMP DISCHARGE | COORD. | COORDINATE | HVAC | HEATING, VENTILATING AND AC | RHC | REHEAT COIL | | | |
| —FOV— | FUEL OIL TANK VENT | —MUW— | MAKE-UP WATER | —W— | SANITARY SOIL WASTE - ABOVE FLOOR | CTE | CONNECT TO EXISTING | HW | HOT WATER | RM | ROOM | | | |
| —FW— | FEEDWATER | —N2— | NITROGEN | --W-- | SANITARY SOIL WASTE - BELOW GRADE | CTR | CENTER | HWR | HOT WATER RETURN | RPZ | REDUCED PRESSURE BFP | | | |
| —GR— | GLYCOL RETURN | —NG— | NATURAL GAS | —WV— | SANITARY WET VENT - ABOVE FLOOR | CU | COPPER; CONDENSING UNIT | HWS | HOT WATER SUPPLY | RR | RETURN REGISTER | | | |
| —GS— | GLYCOL SUPPLY | —NO— | NITROUS OXIDE | --WV-- | SANITARY WET VENT - BELOW GRADE | DDC | DIRECT DIGITAL CONTROL | HX | HEAT EXCHANGER | RV | RELIEF VALVE | | | |
| —GW— | GREASE WASTE | —NPW— | NON-POTABLE WATER | | | DIC | DOWN IN CHASE | INCL. | INCLUDING | RW | RAIN WATER | | | |
| —GWR— | GEOTHERMAL WATER RETURN | —OX— | OXYGEN | | | DIW | DOWN IN WALL | LP | LIQUID PETROLEUM GAS | S | SUPPLY AIR | | | |
| —GWS— | GEOTHERMAL WATER SUPPLY | —PC— | PUMPED CONDENSATE | | | DN | DOWN | LPR | LOW PRESSURE STEAM RETURN | SA-" " | SHOCK ABSORBBER OF PDI SIZE (" ") AS INDICATED | | | |
| —H— | HUMIDIFICATION LINE | —PCWR— | PROCESS COLD WATER RETURN | | | EF | EXHAUST FAN | LPS | LOW PRESSURE STEAM SUPPLY | SCV | SELF-CONTAINED VALVE | | | |
| —H2— | HYDROGEN GAS | —PCWS— | PROCESS COLD WATER SUPPLY | | | ELEV | ELEVATION | MAX | MAXIMUM | | | | | |
| | | —RD— | REFRIGERANT DISCHARGE | | | | | | | | | | | |




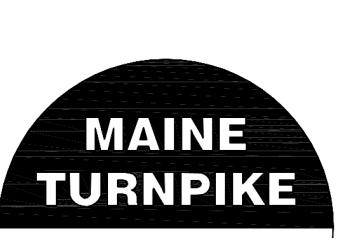
| A1 | | PIPING LINETYPE LEGEND | | | | | | | | | |
|------|--|------------------------|--|--|--|--|--|--|--|--|--|
| NONE | | | | | | | | | | | |

| A5 | | ABBREVIATIONS | | | | | | | | | |
|------|--|---------------|--|--|--|--|--|--|--|--|--|
| NONE | | | | | | | | | | | |

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| Scale: | | | | Designed by: | | | | <div> 160 Veranda Street Portland, Maine 04103 P: 207.221.2260 F: 207.221.2266</div> | | | | <div> THE GOLD STAR MEMORIAL HIGHWAY</div> | | | | AUBURN VEHICLE STORAGE GARAGE PLUMBING AND HVAC NOTES, LEGEND AND ABBREVIATIONS | | | |
| 12" = 1'-0" | | | | Anthony S. Davis, PE | | | | | | | | | | | | | | | |
| No. | Revision | | | By | Date | | Checked: | | By | Date | | SHEET NUMBER: P000 | | | | | | | |
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| D1 | PLUMBING SCHEDULES |
| NONE | |



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| A1 | | SANITARY PIPING PLAN | | | | | | | | | | A8 | | DEMOLITION PART PLAN - EXISTING GARAGE | | | | | | | | | | | | | | | | | |
| 1/8" = 1'-0" | | | | | | | | | | | | 1/4" = 1'-0" | | | | | | | | | | | | | | | | | | | |
| Scale: As indicated | | | | Designed by:   Anthony S. Davis, PE | | | |  Allied Engineering A Salas O'Brien Company 160 Veranda Street Portland, Maine 04103 P: 207.221.2260 F: 207.221.2266 | | | |  THE GOLD STAR MEMORIAL HIGHWAY | | | | AUBURN VEHICLE STORAGE GARAGE SANITARY PIPING PLAN | | | | | | | | | | | | | | | |
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| No. | | Revision | | By | | Date | | No. | | Revision | | By | | Date | | No. | | Revision | | By | | Date | | No. | | Revision | | By | | Date | |
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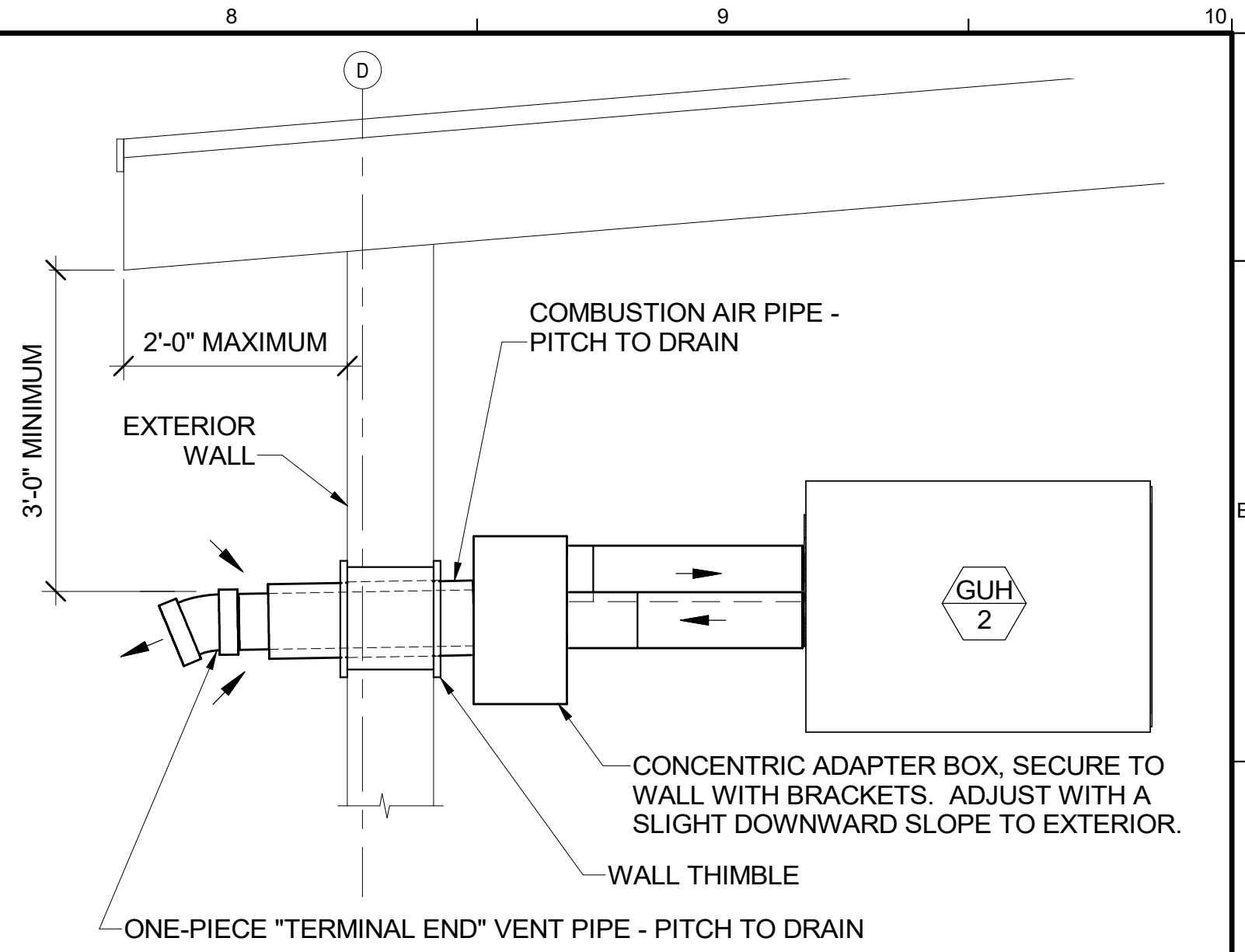
7

| LOUVER SCHEDULE | | | | | | | | | | | | | | |
|-----------------|-----------------|------------|--------|--------|--------------|-------------|---------------------|-----------------------|-------------|---|-------------------|--------|----------|-------------|
| TAG | MAKE - MODEL | AIR SYSTEM | DUTY | CFM | DIMENSIONS | | | | | BEGINNING POINT OF WATER PENETRATION AT 0.01 OZ./SF | MAX P.D. MAX W.C. | SCREEN | NOTES | |
| | | | | | HEIGHT (IN.) | WIDTH (IN.) | MIN. FREE AREA (SF) | NET VELOCITY (FT/MIN) | % FREE AREA | | | | | BLADE DEPTH |
| L-1 | RUSKIN ELF445DX | EF-1 | INTAKE | 13,500 | 72 | 96 | 26 | 519.2 | 54.2% | 4" | 873 FPM | 0.06 | SEE SPEC | |

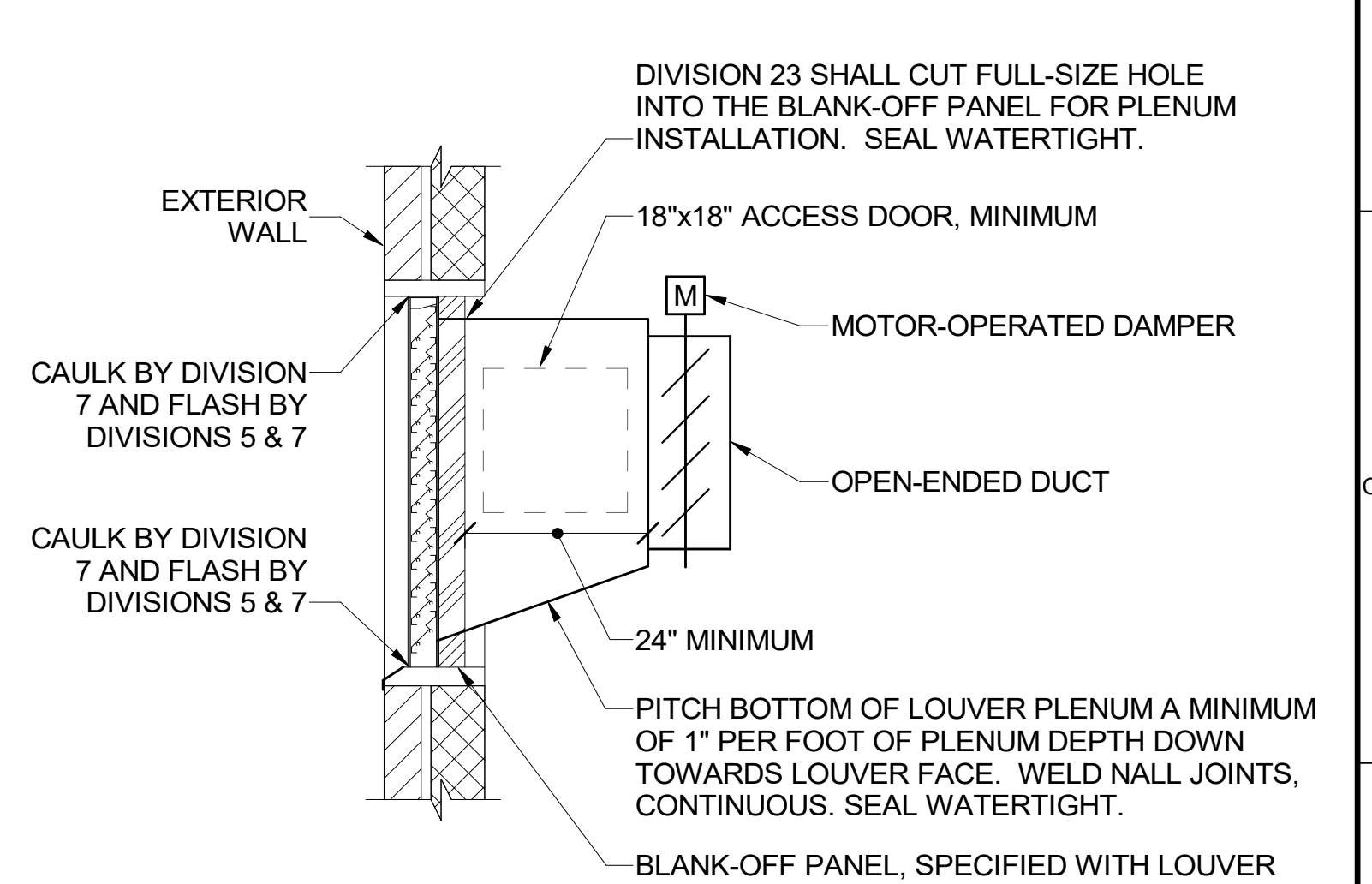
| FAN SCHEDULE | | | | | | | | | | | | | | | |
|--------------|------------------|----------------------|-------------------|--------|--------|-------|-----|----------|-----------|-----|-----------|--------|---------------|------------|--|
| TAG | SERVES | MANUFACTURER-MODEL | TYPE | DRIVE | CFM | | ESP | MOTOR HP | VOLTS/ PH | VFD | MAX SONES | DAMPER | WEIGHT (LBS.) | NOTES | |
| | | | | | HI | LO | | | | | | | | | |
| EF-1 | GARAGE EXHAUST | LOREN COOK - 36XMWH | WALL MOUNT w/HOOD | DIRECT | 13,500 | 6,000 | 0.6 | 3 | 208/3 | YES | 30.0 | MOD | 500 | 1, 3, 4, 5 | |
| | | | | | | | | | | | | | | | |
| DF-1 thru 4 | DESTRATIFICATION | ZOO FANS H60 PREMIUM | DESTRAT. FAN | DIRECT | 1,500 | 1,500 | -- | 106w | 115/1 | NO | -- | N/A | 23 | 2 | |
| | | | | | | | | | | | | | | | |

NOTES:
1. PROVIDE UNIT MOUNTED FACTORY DISCONNECT SWITCH AND STARTER.
2. PROVIDE WALL MOUNTED VARIABLE SPEED CONTROLLER.
3. INTERLOCK WITH LOUVER AND EF MOD'S
4. PROVIDE WALL MOUNTED TIMER SWITCH AS MANUFACTURED BY INTERMATIC, MODEL FF2H OR EQUAL. COORDINATE WITH DIVISION 26 FOR OPERATION AS SPECIFIED.
5. PROVIDE WALL MOUNTED VARIABLE SPEED DRIVE EQUAL TO INVERTEK E3 SERIES, 230 V SINGLE PHASE INPUT, 230 V THREE PHASE OUTPUT.

| LP GAS FIRED SEALED COMBUSTION UNIT HEATER SCHEDULE | | | | | | | | | | | | | | | | | | | |
|--|--------|--------------|------|-----------------------------------|-------------------|------------|------------|-----------|------------|---------------------|------------------------------|----------------|------|------------|-----------|----------|------------|---------|-------|
| TAG | SERVES | MFR. -MODEL | SIZE | TYPE | EXPOSED FACE DIM. | DEPTH DIM. | WEIGHT LBS | INPUT MBH | OUTPUT MBH | DISCHARGE TEMP RISE | GAS PRESSURE RANGE (MIN-MAX) | GAS CONN. SIZE | CFM | VENT CONN. | COMB. AIR | MOTOR HP | MOP (AMPS) | ELECT | NOTES |
| GUH - 1 | GARAGE | REZNOR - UDZ | 300 | LP GAS FIRED SEPARATED COMBUSTION | 41" x 34" | 48" | 331 | 300 | 249 | 50-60F | 7" -14" | 3/4" | 3840 | 6" | 6" | 1/2 | 20 | 115/160 | 1,2 |
| GUH - 2 | GARAGE | REZNOR - UDZ | 300 | LP GAS FIRED SEPARATED COMBUSTION | 41" x 34" | 48" | 331 | 300 | 249 | 50-60F | 7" -14" | 3/4" | 3840 | 6" | 6" | 1/2 | 20 | 115/160 | 1,2 |
| GUH - 3 | GARAGE | REZNOR - UDZ | 300 | LP GAS FIRED SEPARATED COMBUSTION | 41" x 34" | 48" | 331 | 300 | 249 | 50-60F | 7" -14" | 3/4" | 3840 | 6" | 6" | 1/2 | 20 | 115/160 | 1,2 |
| NOTES: 1. Standard Built-in (20A) Disconnect Switch 2. Concentric Venting | | | | | | | | | | | | | | | | | | | |



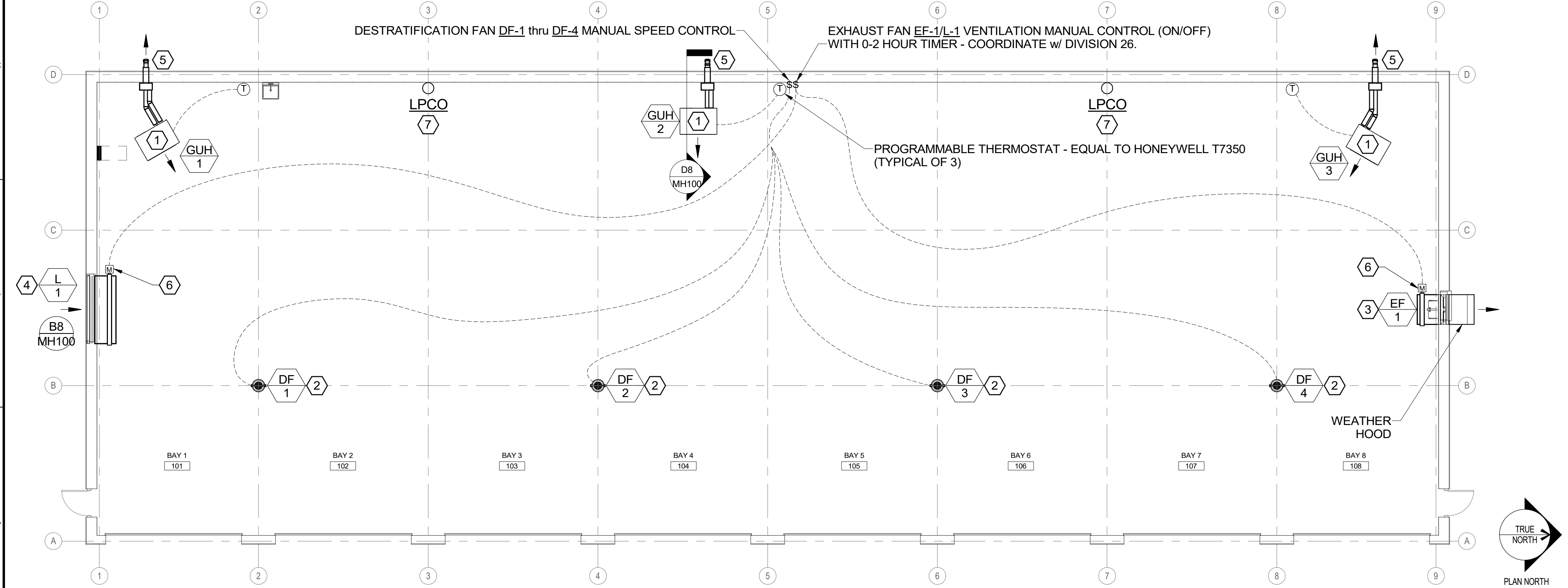
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|--------------|---|
| D8 | DETAIL - GAS FIRED UNIT HEATER CONCENTRIC VENTING |
| NOT TO SCALE | TYPICAL FOR ALL |



| | |
|--------------|--------------------------|
| B8 | DETAIL - EXTERIOR LOUVER |
| NOT TO SCALE | |

- 1 MOUNT UNIT HIGH AS POSSIBLE, TIGHT TO ROOF STRUCTURE, MAINTAINING MANUFACTURER'S MINIMUM RECOMMENDED CLEARANCES - APPROXIMATELY 13'-0" ABOVE FINISHED FLOOR.
- 2 BOTTOM OF FAN = 14'-0" ABOVE FINISHED FLOOR.
- 3 BOTTOM OF FAN = 9'-6" ABOVE FINISHED FLOOR.
- 4 BOTTOM OF LOUVER = 9'-0" ABOVE FINISHED FLOOR.
- 5 CONCENTRIC 6" EXHAUST VENT / 8" OUTSIDE AIR VENT THRU EXTERIOR WALL.
- 6 LINE VOLTAGE MOD (110v) - COORDINATE w/DIVISION 26.
- 7 LP GAS AND CARBON MONOXIDE DETECTOR - EQUAL TO MINI MERLIN LPGCO OR EQUAL, 120v AC, 90 mA MAX, 500-10,000 PPM MEASURING RANGE FOR LP GAS, 0-1,000 PPM FOR CO.
GAS VALUE PRE-ALARM = > 8% LEL FOR LP GAS, 20 PPM FOR CO.
GAS VALUE ALARM = > 10% LEL FOR LP GAS, 20 PPM AFTER 2 HOURS / 50 PPM AFTER 1 HOUR / 100 PPM AFTER 10 MINUTES / 300 PPM AFTER 1 MINUTE FOR CO.

| | |
|------|----------------------|
| D1 | MECHANICAL SCHEDULES |
| NONE | |



| | |
|--------------|-----------------|
| A1 | MECHANICAL PLAN |
| 1/8" = 1'-0" | |

Scale:
As indicated

| No. | Revision | By | Date |
|-----|----------|----|------|
| | | | |
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Designed by:
Anthony S. Davis, PE

Anthony S. Davis, PE

STATE OF MAINE
ANTHONY S. DAVIS
No. 8834
LICENSED PROFESSIONAL ENGINEER

| | | | | | |
|-----------|-----|------------|----------|----|------|
| Designed: | By | Date | Checked: | By | Date |
| Drawn: | REW | 04/25/2025 | | | |

Allied Engineering
A Salas O'Brien Company

160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
F: 207.221.2266

SO PROJ.NO.: 2561-00178 CAD FILE:

MAINE TURNPIKE

THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

A8

KEYED NOTES

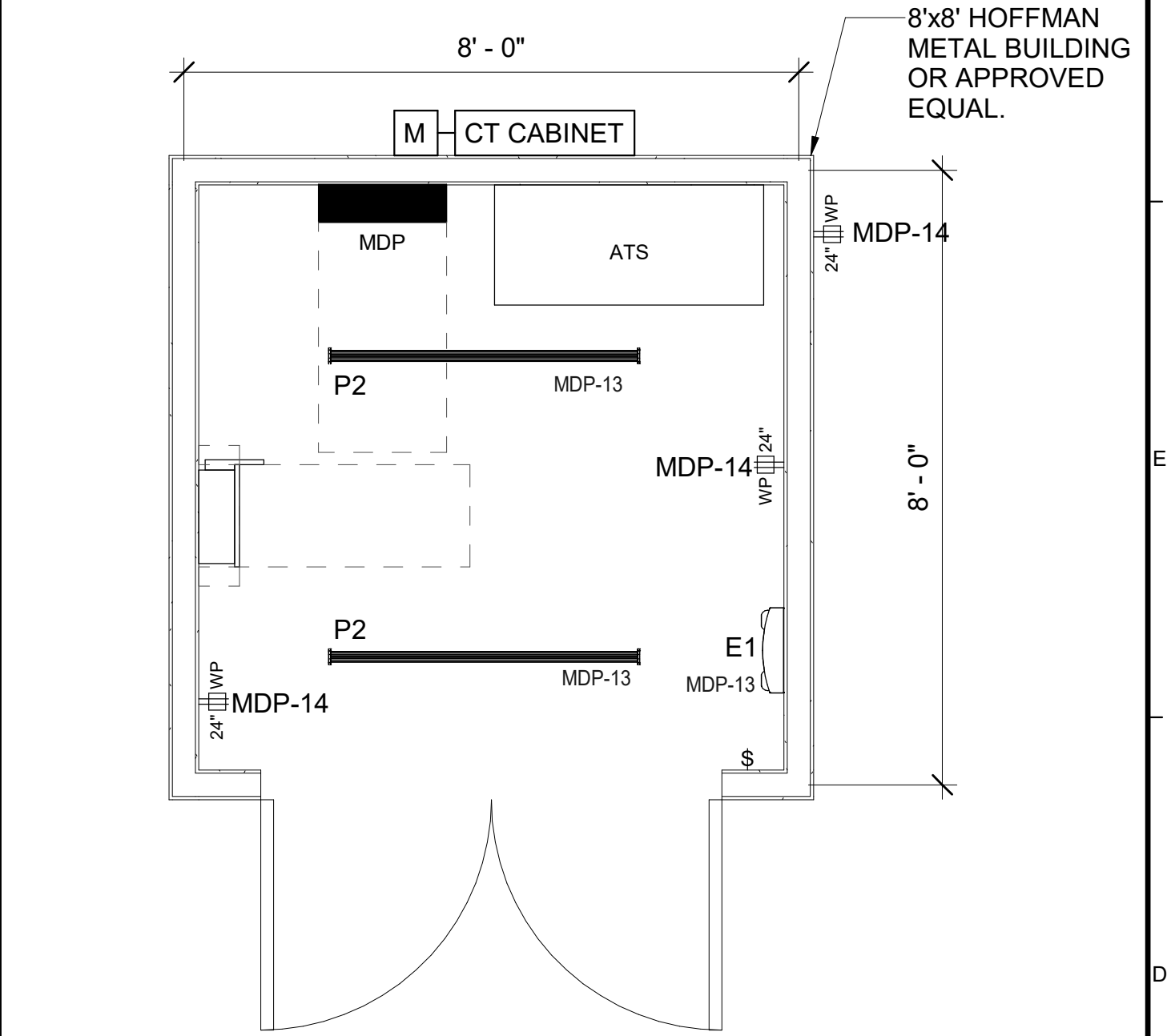
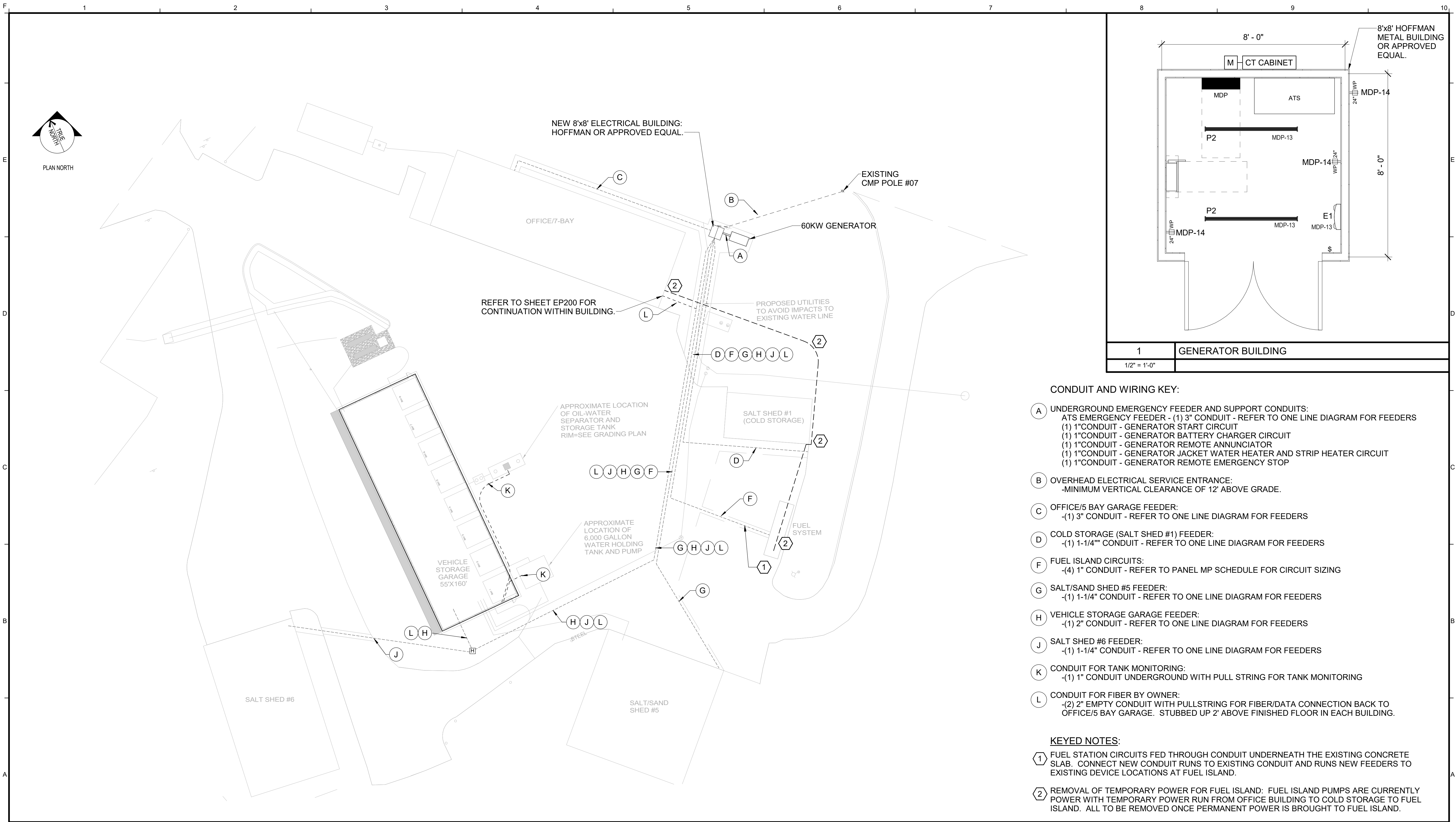
AUBURN VEHICLE STORAGE GARAGE
MECHANICAL PLAN

SHEET NUMBER: MH100

CONTRACT: 2025.11

29 OF 36

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|-----------------------|---------------------------------------|---------------|---|--|--|--------------------------------|--|---|--|------------------------------|--|---|--|--|--|---|--|-----------------|--|
| A | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | |
| A | AMPERE | MC | MICROPHONE | SWITCHES | | \$a LIGHT SWITCH, 20A,125/277V | | SINGLE RECEPTACLES | | POWER DISTRIBUTION | | FACP FIRE ALARM CONTROL PANEL, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF | | FAA FIRE ALARM ANNUNCIATOR, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF, WIRED TO FACP | | S SMOKE DETECTOR, WIRED TO FACP "E" INDICATES CONNECTION FOR ELEVATOR RECALL, WIRED TO FACP | | | |
| AC | ALTERNATING CURRENT | MW | MICROWAVE | | | \$3 THREE-WAY LIGHT SWITCH | | REFER TO SPECIAL RECEPTACLE SCHEDULE | | PANELBOARD ~ SURFACE MOUNTED | | FAF FIRE ALARM FAN, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF, WIRED TO FACP | | H HEAT DETECTOR, "E" INDICATES CONNECTION FOR ELEVATOR RECALL, WIRED TO FACP | | G GAS DETECTOR, WIRED TO FACP | | | |
| AFF | ABOVE FINISHED FLOOR | MLO | MAIN LUG ONLY | | | \$4 FOUR-WAY LIGHT SWITCH | | OVERHEAD SINGLE RECEPTACLE CORD DROP | | PANELBOARD ~ FLUSH MOUNTED | | AS AF FUSED DISCONNECT SWITCH | | DH HEAT DETECTOR, "E" INDICATES CONNECTION FOR ELEVATOR RECALL, WIRED TO FACP | | GD GAS DETECTOR, WIRED TO FACP | | | |
| AFG | ABOVE FINISHED GRADE | MT | MOUNT | | | | | | | | | NF NON-FUSED DISCONNECT SWITCH | | D CARBON MONOXIDE DETECTOR, WIRED TO FACP | | CD CARBON MONOXIDE DETECTOR, WIRED TO FACP | | | |
| AHU | AIR HANDLING UNIT | MTS | MANUAL TRANSFER SWITCH | | | | | | | | | M MOTOR STARTER ~ NUMBER INDICATES NEMA SIZE | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| AIC | AMPERES INTERRUPTING CAPACITY | MCP | MOTOR CONTROL PANEL | | | | | | | | | COMBINATION MOTOR STARTER/FUSED DISCONNECT | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| ATS | AUTOMATIC TRANSFER SWITCH | MH | METAL HALIDE | | | | | | | | | MOTOR OR FAN | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| AWG | AMERICAN WIRE GAUGE | MDP | MAIN DISTRIBUTION PANEL | | | | | | | | | METER AND CABINET | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| BAS | BUILDING AUTOMATION SYSTEM | MIN | MINIMUM | | | | | | | | | JUNCTION BOX | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| BKBD | BACKBOARD | N | NEUTRAL | | | | | | | | | JUNCTION BOX ~ WALL MOUNTED | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| C | CONDUIT | NC | NORMALLY CLOSED | | | | | | | | | DOUBLE GANG JUNCTION BOX ~ WALL MTD 18" AFF | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| CAT | CATALOG, CATEGORY | NEC | NATIONAL ELECTRICAL CODE | | | | | | | | | JUNCTION BOX ~ FLUSH CEILING MOUNTED | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| CATV | CABLE TV | NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION | | | | | | | | | JUNCTION BOX ~ PEDESTAL MOUNTED | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| CB | CIRCUIT BREAKER | NFPA | NATIONAL FIRE PROTECTION ASSOCIATION | | | | | | | | | TRANSFORMER ~ NUMBER INDICATES DESIGNATION SEE TRANSFORMER SCHEDULE | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| CCTV | CLOSED CIRCUIT TELEVISION | NIC | NOT IN CONTRACT | | | | | | | | | VARIABLE FREQUENCY DRIVE | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| CM | CIRCULAR MILS | NF | NON-FUSED | | | | | | | | | TRANSIENT VOLTAGE SURGE SUPPRESSOR | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| COMM | COMMUNICATIONS | NO | NORMALLY OPEN | | | | | | | | | POWER SHUTOFF SWITCH ~ WALL MOUNTED 48" TO CENTER LINE | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| CU | MECH CONDENSING UNIT | NO., # | NUMBER | | | | | | | | | CONDUIT TURNING UP | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| CU | COPPER | NTS | NOT TO SCALE | | | | | | | | | CONDUIT TURNING DOWN | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| CUH | CABINET UNIT HEATER | OC | ON CENTER | | | | | | | | | WIRING UNDERGROUND OR UNDERSLAB | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| CR | CORD REEL | | | | | | | | | | | WIRING OVERHEAD | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| DC | DIRECT CURRENT | OCC | OCCUPANCY | | | | | | | | | HOMERUN ~ (2)#12+(1)#12G UNO (EXCEPT LIGHTING CIRCUITS: (1)#12+(1)#10N+(1)#12G UNO) | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| DDC | DIGITAL DIRECT CONTROL | OH | OVERHEAD | | | | | | | | | SINGLE-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| DN | DOWN | P | POLE | | | | | | | | | 3-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| DW | DISHWASHER | PA | PUBLIC ADDRESS | | | | | | | | | FLEXIBLE CONNECTION | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| DWG | DRAWING | PB | PULLBOX | | | | | | | | | GROUNDING SYSTEM | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| EF | EXHAUST FAN | PH, Ø | PHASE | | | | | | | | | MOTORIZED DOOR OPERATOR AND PUSH PADDLE ~ FURNISHED BY DIV 08, WIRED BY DIV 26 | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| ELEV | ELEVATOR | PIR | PASSIVE INFRARED | | | | | | | | | ENCLOSED CIRCUIT BREAKER | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| EMT | ELECTRICAL METALLIC TUBING | PNL | PANELBOARD | | | | | | | | | AUTOMATIC TRANSFER SWITCH | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| EP | EXPLOSION PROOF | P/O | PART OF | | | | | | | | | HAND DRYER, COORDINATE HEIGHT WITH ARCHITECTURAL PLANS | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| ERU | ENERGY RECOVERY UNIT | PV | PHOTOVOLTAIC | | | | | | | | | ENCLOSED CONTACTOR | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| EWC | ELECTRIC WATER COOLER | PVC | POLY-VINYL CHLORIDE | | | | | | | | | OVERHEAD DATA DROP | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| FACP | FIRE ALARM CONTROL PANEL | REC | RECEPTACLE | | | | | | | | | DATA OUTLET FLUSH IN CEILING | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| FB | FLOOR BOX | REF | REFRIGERATOR | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| FLA | FULL LOAD AMPS | RF | RETURN FAN | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| FWE | FURNISHED WITH EQUIPMENT | RGS | RIGID GALVANIZED STEEL | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| G, GND | GROUND | RM | ROOM | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER | RMC | RIGID METAL CONDUIT | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| GFP | GROUND FAULT PROTECTION | RTU | ROOFTOP UNIT | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| HID | HIGH INTENSITY DISCHARGE | REF | REFRIGERATOR | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| HOA | HAND-OFF-AUTO SELECTOR SWITCH | SF | SUPPLY FAN | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| HP | HORSEPOWER | SPDT | SINGLE POLE, DOUBLE THROW | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| HVAC | HEATING, VENTILATION AND COOLING UNIT | SQ | SQUARE | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| IDS | INTRUSION DETECTION SYSTEM | TEL | TELEPHONE | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| IG | ISOLATED GROUND | TVSS | TRANSIENT VOLTAGE SURGE SUPPRESSOR | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| IMC | INTERMEDIATE METAL CONDUIT | TYP | TYPICAL | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| IR | INFRARED | UF | UNDER FLOOR | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| K | KILO | UG | UNDERGROUND | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| KCMIL | KILO CIRCULAR MILS | UH | UNIT HEATER | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| KW | KILOWATT | UL | UNDERWRITER'S LABORATORY | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| KVA | KILO VOLT-AMPS | UNO | UNLESS NOTED OTHERWISE | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| LAN | LOCAL AREA NETWORK | UPS | UNINTERRUPTIBLE POWER SUPPLY | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| LC | LIGHTING CONTACTOR | V | VOLTS | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| LF | LINEAR FEET | VFD | VARIABLE FREQUENCY DRIVE | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| LC | LOADCENTER | W | WATT | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| LCP | LIGHTING CONTROL PANEL | WP | WEATHERPROOF | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| LED | LIGHT EMITTING DIODE | WG | WIREGUARD | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| LTG | LIGHTING | XFMR | TRANSFORMER | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| LTS | LIGHTS | | | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| MAX | MAXIMUM | (E) | EXISTING ITEM TO REMAIN | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| MCB | MAIN CIRCUIT BREAKER | (R) | REMOVE ITEM AND DISPOSE OF PROPERLY | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| MECH | MECHANICAL | (ER) | RELOCATED ITEM AT NEW LOCATION | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| MH | MOUNTING HEIGHT | (RL) | REMOVE AND RELOCATE | | | | | | | | | | | MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO FACP | | FD FLAME DETECTOR, WIRED TO FACP | | | |
| | | | | | | | | | | | | | | | | | | | |
| A1 | | ABBREVIATIONS | | A3 | | LIGHTING | | A5 | | RECEPTACLES | | A7 | | POWER DISTRIBUTION | | A9 | | SECURITY LEGEND | |
| NONE | | | | NONE | | | | NONE | | | | NONE | | | | NONE | | | |
| Scale: 12" = 1'-0" | | | | Designed by: Brian T. Gardner, PE | | | | Allied Engineering A Salas O'Brien Company 160 Veranda Street Portland, Maine 04103 P: 207.221.2260 F: 207.221.2266 | | | | THE GOLD STAR MEMORIAL HIGHWAY | | | | AUBURN VEHICLE STORAGE GARAGE ELECTRICAL LEGEND | | | |
| No. Revision By Date | | | | Designed: BTG 04/25/2025 Checked: BTG 04/25/2025 | | | | SO PROJ.NO.: 2561-00178 CAD FILE: | | | | MTA PROJECT MANAGER: Brian A. Taddeo, P.E. | | | | SHEET NUMBER: E000 | | | |
| Drawn: PMC 04/25/2025 | | | | | | | | | | | | CONTRACT: 2025.11 | | | | 30 OF 36 | | | |







| | |
|--------------|--------------------|
| 1 | GENERATOR BUILDING |
| 1/2" = 1'-0" | |

CONDUIT AND WIRING KEY:

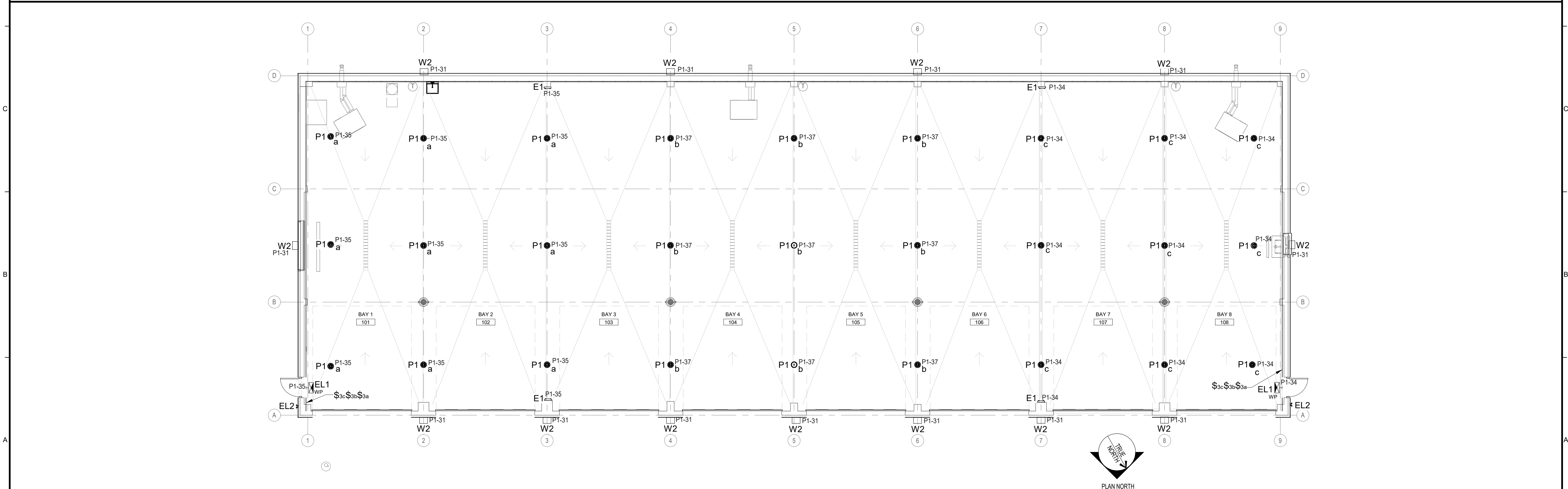
- A** UNDERGROUND EMERGENCY FEEDER AND SUPPORT CONDUITS:
ATS EMERGENCY FEEDER - (1) 3" CONDUIT - REFER TO ONE LINE DIAGRAM FOR FEEDERS
(1) 1"CONDUIT - GENERATOR START CIRCUIT
(1) 1"CONDUIT - GENERATOR BATTERY CHARGER CIRCUIT
(1) 1"CONDUIT - GENERATOR REMOTE ANNUNCIATOR
(1) 1"CONDUIT - GENERATOR JACKET WATER HEATER AND STRIP HEATER CIRCUIT
(1) 1"CONDUIT - GENERATOR REMOTE EMERGENCY STOP
- B** OVERHEAD ELECTRICAL SERVICE ENTRANCE:
-MINIMUM VERTICAL CLEARANCE OF 12' ABOVE GRADE.
- C** OFFICE/5 BAY GARAGE FEEDER:
-(1) 3" CONDUIT - REFER TO ONE LINE DIAGRAM FOR FEEDERS
- D** COLD STORAGE (SALT SHED #1) FEEDER:
-(1) 1-1/4" CONDUIT - REFER TO ONE LINE DIAGRAM FOR FEEDERS
- F** FUEL ISLAND CIRCUITS:
-(4) 1" CONDUIT - REFER TO PANEL MP SCHEDULE FOR CIRCUIT SIZING
- G** SALT/SAND SHED #5 FEEDER:
-(1) 1-1/4" CONDUIT - REFER TO ONE LINE DIAGRAM FOR FEEDERS
- H** VEHICLE STORAGE GARAGE FEEDER:
-(1) 2" CONDUIT - REFER TO ONE LINE DIAGRAM FOR FEEDERS
- J** SALT SHED #6 FEEDER:
-(1) 1-1/4" CONDUIT - REFER TO ONE LINE DIAGRAM FOR FEEDERS
- K** CONDUIT FOR TANK MONITORING:
-(1) 1" CONDUIT UNDERGROUND WITH PULL STRING FOR TANK MONITORING
- L** CONDUIT FOR FIBER BY OWNER:
-(2) 2" EMPTY CONDUIT WITH PULLSTRING FOR FIBER/DATA CONNECTION BACK TO OFFICE/5 BAY GARAGE. STUBBED UP 2' ABOVE FINISHED FLOOR IN EACH BUILDING.

KEYED NOTES:

- 1** FUEL STATION CIRCUITS FED THROUGH CONDUIT UNDERNEATH THE EXISTING CONCRETE SLAB. CONNECT NEW CONDUIT RUNS TO EXISTING CONDUIT AND RUNS NEW FEEDERS TO EXISTING DEVICE LOCATIONS AT FUEL ISLAND.
- 2** REMOVAL OF TEMPORARY POWER FOR FUEL ISLAND: FUEL ISLAND PUMPS ARE CURRENTLY POWER WITH TEMPORARY POWER RUN FROM OFFICE BUILDING TO COLD STORAGE TO FUEL ISLAND. ALL TO BE REMOVED ONCE PERMANENT POWER IS BROUGHT TO FUEL ISLAND.

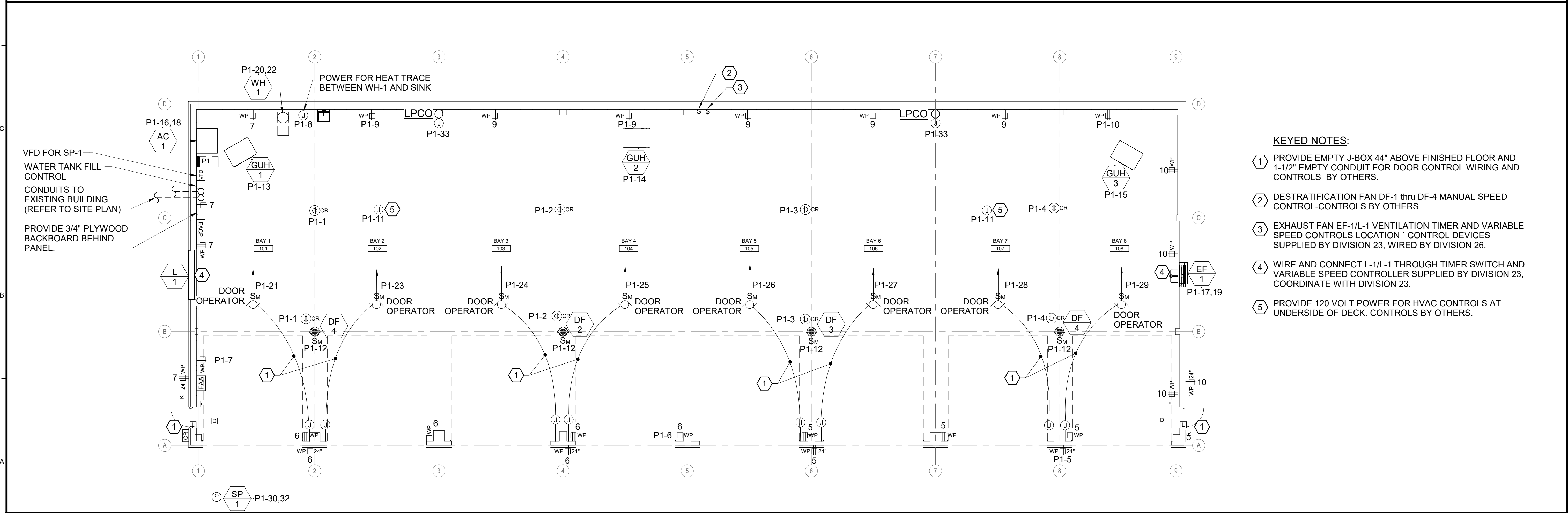
| A1 | | ELECTRICAL SITE PLAN OVERHEAD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------|--|------------|----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|------|----|------|---------------|------------|--------------|------------|------------|------------|--|--|
| 1" = 30'-0" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scale: As indicated | | Designed by:  Brian T. Gardner, PE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>No.</th><th>Revision</th><th>By</th><th>Date</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> | | No. | Revision | By | Date | | | | | | | | | | | | | | | | | <table border="1"><thead><tr><th>By</th><th>Date</th><th>By</th><th>Date</th></tr></thead><tbody><tr><td>Designed: BTG</td><td>04/25/2025</td><td>Checked: BTG</td><td>04/25/2025</td></tr><tr><td>Drawn: PMC</td><td>04/25/2025</td><td></td><td></td></tr></tbody></table> | | By | Date | By | Date | Designed: BTG | 04/25/2025 | Checked: BTG | 04/25/2025 | Drawn: PMC | 04/25/2025 | | |
| No. | Revision | By | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  | |  Allied Engineering A Salas O'Brien Company 160 Veranda Street Portland, Maine 04103 P: 207.221.2260 F: 207.221.2266 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | THE GOLD STAR MEMORIAL HIGHWAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SO PROJ.NO.: 2561-00178 CAD FILE: | | MTA PROJECT MANAGER: Brian A. Taddeo, P.E. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | AUBURN VEHICLE STORAGE GARAGE ELECTRICAL SITE PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | SHEET NUMBER: ES100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | CONTRACT: 2025.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 32 OF 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| LUMINAIRE SCHEDULE- KEY NOTE 1,2 | | | | | | | | | |
|----------------------------------|--|------------------|---|-----------------|------------------|-------------------|---------------------|-----------|--------------|
| TYPE | DESCRIPTION | MFR | CATALOG SERIES NUMBER - SEE KEY NOTE 1 | MOUNTING | VOLTS | LAMP/LIGHT ENGINE | | | KEY NOTES |
| | | | | | | WATTS | DELIVERED LUMENS | TYPE | |
| P1 | CRB WET LOCATION HIGH BAY | STARTEK | CRB-50LX-EDU | PENDANT 16' AFF | 120V | 102W | 14107 | LED 5000K | 5 |
| P2 | 4' LINEAR LED - STAR POWER WIDE | STARTEK | SPW-4-S-SD-50K-CA-U | PENDANT 10' AFF | 120V | 68W | 9764 | LED 4000K | 4 |
| W2 | EXTERIOR GALLEON WALL BACK WITH BUILT IN MOTION/PHOTOCELL | MCGRAW EDISON | GWC-SA2A-740-120V-T4W-BZ-MS-L 40W | WALL 17' AFF | 120V | 67 | 9658 | LED 4000K | 6 |
| EX1 | EXIT SIGN W/ EMER HEADS | SURELITES | APCH7R | MOUNT 7'-6" AFF | 120VAC/ 12VDC | 2.8W | | LED | 3 |
| EL1 | EMERGENCY BATTERY LIGHT | SURELITES | APELH2 | WALL 7'-6" AFF | 120VAC/ 12VDC | 0.6W | | LED | |
| EL2 | EMERGENCY REMOTE HEADS - EXTERIOR WET LOCATION RATED | SURELITES | APWR-2 | WALL 9'-0" AFF | 120VAC/ 12VDC | .78W | | LED | |
| | | | | | | | | | |
| | KEY NOTES | | | | | | | | |
| 1 | NOTE THAT THESE NUMBERS ARE NOT COMPLETE CATALOG NUMBERS. PROVIDE ALL REQUIREMENTS ON SCHEDULE, NOTES, SPECS, AND DRAWINGS COMBINED. | | | | | | | | |
| 2 | VERIFY CEILING STRUCTURE AND MOUNTING HEIGHT PRIOR TO ORDERING ANY LIGHT FIXTURES. | | | | | | | | |
| 3 | PROVIDE WALL,CEILING, OR PENDANT MOUNTING AS INDICATED ON PLANS. PROVIDE NUMBER OF FACES AND ARROWS AS INDICATED. | | | | | | | | |
| 4 | PROVIDE SATINICE DIFFUSED LENS | | | | | | | | |
| 5 | PROVIDE RIGID STEMS FOR PENDANT MOUNTED FIXTURE. | | | | | | | | |
| 6 | PROVIDE INTEGRAL PHOTOCELL AND MOTION SENSOR THAT WILL BE AUTO ON/AUTO OFF VIA MOTION SENSOR ONLY AFTER DUSK | | | | | | | | |
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|--------------|--|---------------|--|--------------|--|------|--|----------------------|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| A1 | | LIGHTING PLAN | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/8" = 1'-0" | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scale: | | | | Designed by: | | | | | | <div><div><div></div><div>Allied Engineering</div><div>A Salas O'Brien Company</div></div><div>160 Veranda Street Portland, Maine 04103 P: 207.221.2260 F: 207.221.2266</div></div> | | | | | | <div><div><div>MAINE</div><div>TURNPIKE</div><div><div></div></div></div><div>THE GOLD STAR MEMORIAL HIGHWAY</div></div> | | | | | | AUBURN VEHICLE STORAGE GARAGE LIGHTING PLAN | | | | | |
| 1/8" = 1'-0" | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. | | Revision | | By | | Date | | Brian T. Gardner, PE | | | | | | | | | | | | | | | | | | | |
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| ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT- REFER TO PANEL SCHEDULES FOR CIRCUITING | | | | | | | | | | | | | | | | | |
|--|-----------------------------|-------|----|--------|------|-----|------|-------------------|-------|------|---------|-----|----------------|----------------|---|-----------------------------------|-------|
| TAG | DESCRIPTION/ AREA SERVED | VOLTS | PH | LOAD | FLA | MCA | MOPD | DISCONNECT SWITCH | | | | | STARTER (NEMA) | | CBD | WIRING IN CONDUIT #12, 1#12 G UNO | NOTES |
| | | | | | | | | FRAME | POLES | FUSE | NEMA... | FBD | SIZE/... | FBD | | | |
| AC-1 | AIR COMPRESSOR | 240 | 1 | 7.5 HP | 40 | 40 | 80 | 60 | 2 | | 3R | 22 | | 22 | 22 | 2 #4, 1 #8G | |
| GUH-1 | GAS UNIT HEATER | 120 | 1 | 1/2 HP | 9.8 | | 20 | | | FWE | | 23 | | 23 | 23 | | |
| GUH-2 | GAS UNIT HEATER | 120 | 1 | 1/2 HP | 9.8 | | 20 | | | FWE | | 23 | | 23 | 23 | | |
| GUH-3 | GAS UNIT HEATER | 120 | 1 | 1/2 HP | 9.8 | | 20 | | | FWE | | 23 | | 23 | 23 | | |
| DF-1,2,3 | DESTRATIFICATION FANS | 120 | 1 | 106W | 1.0 | | 15 | | | MRT | | 26 | | 23 | 23 | | |
| EF-1 | EXHAUST FAN | 240 | 1 | 3 HP | 17.0 | | 30 | | | FWE | | 23 | | 23 | 23 | 3 #12, 1 #12G | |
| WH-1 | ELECTRIC WATER HEATER | 240 | 1 | 4500W | 18.8 | | 30 | | | MRT | | 23 | | 23 | 23 | 2 #10, 1 #10G | |
| SP-1 | DOMESTIC WATER BOOSTER PUMP | 240 | 1 | 5HP | 28.0 | 60 | 60 | 60 | 2 | 60 | 3R | 26 | | 23 | 23 | 2 #6, 1 #8G | |
| NOTES: | | | | | | | | | | | | | | ABBREVIATIONS: | | | |
| | | | | | | | | | | | | | | FWE | FURNISHED WITH EQUIPMENT | | |
| | | | | | | | | | | | | | | NF | NOT FUSED | | |
| | | | | | | | | | | | | | | SWBD | SWITCHBOARD | | |
| | | | | | | | | | | | | | | FBD | FURNISHED BY DIVISION | | |
| | | | | | | | | | | | | | | CBD | CONTROL WIRING BY DIVISION | | |
| | | | | | | | | | | | | | | MRT | MOTOR RATED TOGGLE SWITCH (VOLTAGE, CURRENT RATING AND POLE QUANTITY AS REQUIRED) | | |



- KEYED NOTES:**
- 1 PROVIDE EMPTY J-BOX 44" ABOVE FINISHED FLOOR AND 1-1/2" EMPTY CONDUIT FOR DOOR CONTROL WIRING AND CONTROLS BY OTHERS.
 - 2 DESTRATIFICATION FAN DF-1 thru DF-4 MANUAL SPEED CONTROL-CONTROLS BY OTHERS
 - 3 EXHAUST FAN EF-1/L-1 VENTILATION TIMER AND VARIABLE SPEED CONTROLS LOCATION CONTROL DEVICES SUPPLIED BY DIVISION 23, WIRED BY DIVISION 26.
 - 4 WIRE AND CONNECT L-1/L-1 THROUGH TIMER SWITCH AND VARIABLE SPEED CONTROLLER SUPPLIED BY DIVISION 23, COORDINATE WITH DIVISION 23.
 - 5 PROVIDE 120 VOLT POWER FOR HVAC CONTROLS AT UNDERSIDE OF DECK. CONTROLS BY OTHERS.

| | | | |
|--------------|--|---|--|
| A1 | | POWER AND SYSTEMS PLAN | |
| 1/8" = 1'-0" | | | |
| Scale: | | Designed by: | |
| 1/8" = 1'-0" | | | |
| | | | |
| | | | |
| | | 160 Veranda Street Portland, Maine 04103 P: 207.221.2260 F: 207.221.2266 | |
| | | | |
| | | THE GOLD STAR MEMORIAL HIGHWAY | |
| | | AUBURN VEHICLE STORAGE GARAGE POWER AND SYSTEMS PLAN | |
| | | SHEET NUMBER: EP100 | |
| | | CONTRACT: 2025.11 | |
| | | 34 OF 36 | |

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| Drawn: | PMC | 04/25/2025 | | | 04/25/2025 |

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| SO PROJ.NO.: 2561-00178 | CAD FILE: |
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| MTA PROJECT MANAGER: | Brian A. Taddeo, P.E. |
|----------------------|-----------------------|

REMOVAL NOTES:

- 1

EXISTING 400A ATS - ATS TO BE REMOVED AND TURNED OVER TO OWNER. FEEDERS BETWEEN ATS AND GENERATOR TO BE REMOVED. FEEDERS BETWEEN THE EXISTING 400A DISCONNECT AND EXISTING PANELS IN GARAGE SHALL REMAIN.
- 2

EXISTING 60KW GENERATOR SHALL BE SAFELY DISCONNECTED, REMOVED FROM BUILDING AND TURNED OVER TO OWNER. ALL CONTROLS, GAS AND POWER TO BE REMOVED.
- 3

EXISTING METER AND OVERHEAD SERVICE TO BE REMOVED, NEW SERVICE SHALL BE TIED IN AT THE LOCATION WHERE METER WAS REMOVED.

KEYED NOTES:

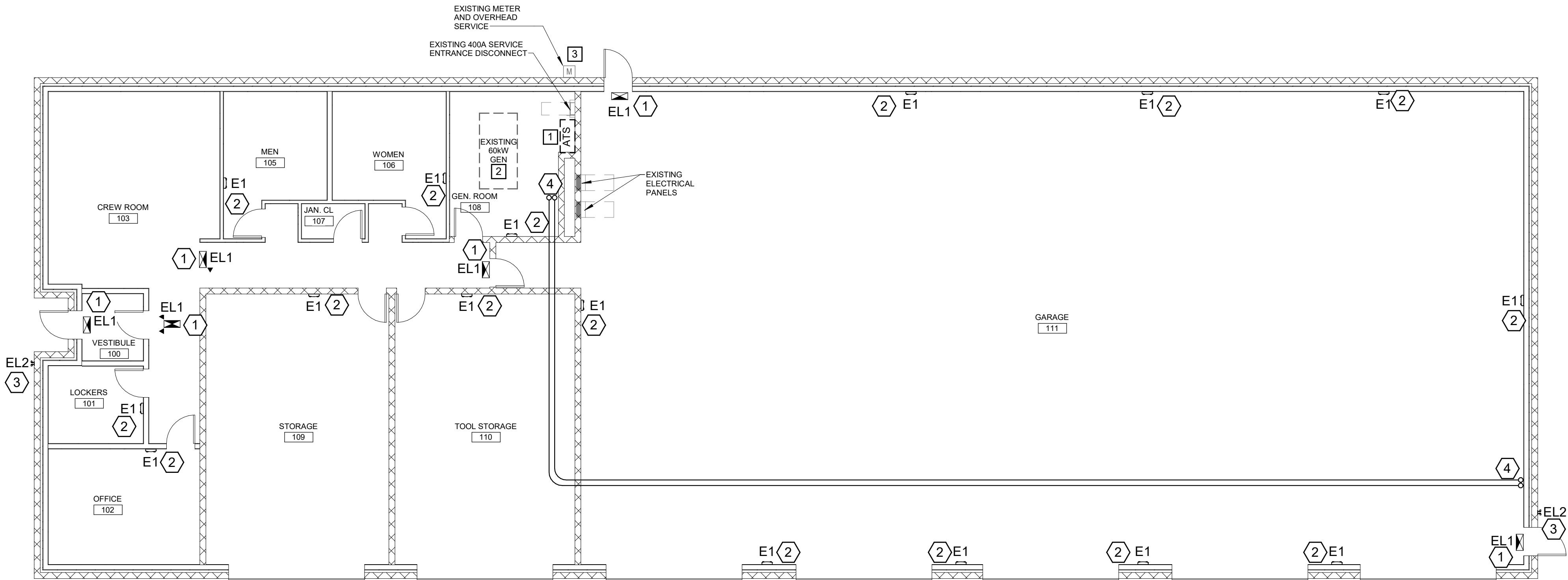
- 1

NEW EMERGENCY EXIT SIGNS SHALL BE CIRCUITED TO EXISTING EXIT SIGN CIRCUIT.
- 2

NEW EMERGENCY BATTERY UNITS TO BE CIRCUITED TO CLOSEST AVAILABLE LIGHTING CIRCUIT AHEAD OF ANY LIGHTING SWITCHING. ALL EMERGENCY DEVICES REQUIRE CONSTANT POWER.
- 3

EXTERIOR FIXTURE EL2 SHALL BE POWER THROUGH THE CLOSEST EL1 FIXTURE.
- 4

(2) 2" CONDUITS FOR FIBER/COMMUNICATIONS- CONDUITS SHALL ROUTE THROUGH BUILDING AND BE STUBBED INTO ATTIC SPACE ABOVE THE EXISTING GENERATOR ROOM. CONDUITS SHALL HAVE PULL STRINGS.



A1


ELECTRICAL AND LIGHTING PLAN

1/8" = 1'-0"

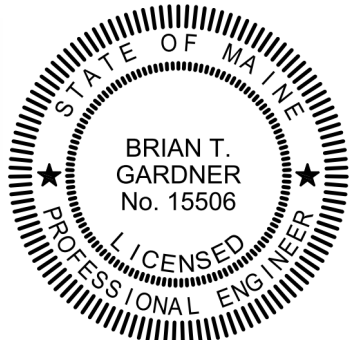
Scale:

1/8" = 1'-0"

Designed by:



Brian T. Gardner, PE



Allied Engineering


A Salas O'Brien Company

160 Veranda Street

Portland, Maine 04103

P: 207.221.2260

F: 207.221.2266



THE GOLD STAR

MEMORIAL HIGHWAY

AUBURN VEHICLE STORAGE GARAGE

EXISTING OFFICE/MAINTENANCE BUILDING

SHEET NUMBER: EP200

CONTRACT: 2025.11

35 OF 36

SO PROJ.NO.:2561-00178

CAD FILE:

MTA PROJECT MANAGER:

Brian A. Taddeo, P.E.

| No. | Revision | By | Date |
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