

THE GOLD STAR MEMORIAL HIGHWAY

MAINE TURNPIKE AUTHORITY

CONTRACT2023.06 YORK VEHICLE STORAGE MILE MARKER <u>6.8</u>

DANIEL E. WATHEN, CHAIR MICHAEL J. CIANCHETTE, MEMBER JANE L. LINCOLN, MEMBER ANDREW McLEAN, MEMBER ROBERT D. STONE, MEMBER THOMAS J. ZUKE, MEMBER BRUCE A. VAN NOTE, MEMBER EX-OFFICIO - MAINE DOT

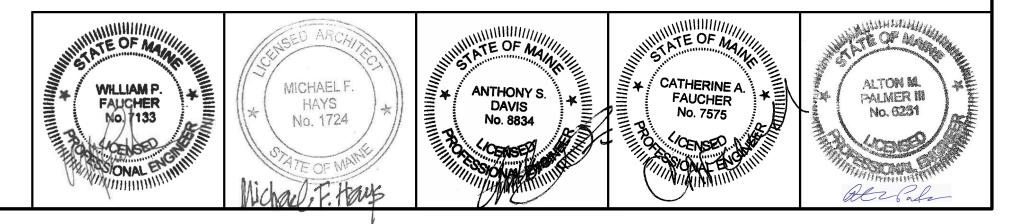
S. PETER MILLS, EXECUTIVE DIRECTOR

CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE

ISSUED FOR BID MARCH 28, 2023







SHEET NO.	DESCRIPTION
G-000	COVER SHEET
C-001	GENERAL NOTES
C-002	EXISTING CONDITIONS AND REMOVALS PLAN
C-100	SEWER AND WELL SEPARATION PLAN
C-101	SITE AND UTILITY PLAN
C-102	GRADING, DRAINAGE, EROSION CONTROL PLAN
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C-403	GENERAL NOTES AND DETAILS - 3
C-404	TYPICAL SECTIONS
A-0	ARCHITECTURAL COVER SHEET
A-1	CODE COMPLIANCE & FIRST FLOOR PLANS
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A-7	DETAILS
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S-000	STRUCTURAL - GENERAL INFORMATION
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P-000	PLUMBING AND HVAC NOTES, LEGEND AND ABBREVIATION
PL-100	SANITARY PIPING PLAN
PP-100	DOMESTIC PIPING PLAN
MH-100	MECHANICAL PLAN
ES100	ELECTRICAL SITE PLAN
E000	ELECTRICAL LEGEND
E001	ELECTRICAL GENERAL NOTES AND SCHEDULES
EL100	LIGHTING PLAN
EP100	POWER AND SYSTEMS PLAN
	POWER RISER DIAGRAM

160 Veranda Street Portland, Maine 04103 F: 207.221.2266 Web:www.allied-eng.com

@ ALLIED ENGINEERING, INC

03-28-2023 DATE

1. ALL DETAILS SHALL BE IN CONFORMANCE WITH MAINE DEPARTMENT OF TRANSPORTATION (MAINEDOT) STANDARD DETAILS HIGHWAYS AND BRIDGES 2020 WITH UPDATES AND MAINEDOT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL LATEST REVISION UNLESS OTHERWISE INCLUDED IN THESE PLANS OR PROJECT SPECIFICATIONS.

2. ALL EXISTING ROADWAYS USED IN ACCESSING THE SITE SHALL REMAIN CLEAN. 3. THE CONTRACTOR SHALL SUBMIT THE PROPOSED STAGING AREA(S) AND FIELD TRAILER LOCATION TO THE RESIDENT FOR APPROVAL, AS WELL AS A SEQUENCE OF WORK SCHEDULE, AT LEAST 10 DAYS PRIOR TO STARTING WORK. CONTRACTOR IS REQUIRED TO MAINTAIN SAFE ACCESS TO PARKING AREAS FOR MTA EMPLOYEES AT ALL TIMES DURING CONSTRUCTION.

4. DUST CONTROL IS INCIDENTAL TO CONTRACT.

5. WASTE MATERIALS SHALL BE DISPOSED OF OFF THE PROJECT SITE, IN ACCORDANCE WITH CHAPTER 404, DEPARTMENT OF ENVIRONMENTAL PROTECTION SOLID WASTE MANAGEMENT RULES.

6. GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THIS PLAN SET IS FOR THE USE OF THE BIDDERS AND THE CONTRACTOR. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF ACTUAL SUBSURFACE CONDITIONS OF THE CONSTRUCTION SITE. THE MTA WILL NOT BE RESPONSIBLE FOR THE BIDDERS' OR CONTRACTOR'S INTERPRETATIONS OF, OR CONCLUSIONS DRAWN FROM, THE GEOTECHNICAL INFORMATION.

7. 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.

8. SURVEY AND TOPOGRAPHY PROVIDED BY TITCOMB ASSOCIATES OF FALMOUTH, MAINE, DATED APRIL 23, 2020.

9. ALL DIVISION 2 SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, HIGHWAYS AND BRIDGES, (2014 EDITION) AND AS MODIFIED BY MAINE TURNPIKE 2016 SUPPLEMENTAL SPECIFICATIONS. SPECIAL PROVISIONS HAVE BEEN PREPARED FOR WORK ITEMS NOT ADDRESSED IN THE STANDARD SPECIFICATIONS, AND ARE ENCLOSED AS PART OF THIS CONTRACT. IN THE EVENT OF A CONFLICT BETWEEN THE STANDARD SPECIFICATIONS AND THE SUPPLEMENTAL SPECIFICATIONS, THE MORE STRINGENT STANDARD SHALL APPLY.

10. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL SPOIL/EXCESS MATERIAL FROM THE SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS. 11. ALL AREAS OUTSIDE THE LIMIT OF WORK DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO PRIOR CONDITIONS AT NO EXPENSE TO THE OWNER.

12. BORING AND SOIL PROBE LOCATIONS TAKEN FROM GEOTECHNICAL REPORT PREPARED BY S.W. COLE DATED MAY 27, 2020.

13. AREAS OF CLEARING SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE RESIDENT.

14. DURING CONSTRUCTION, THE PROPANE TANKS SHALL BE PROTECTED BY A PHYSICAL BARRIER AT ALL TIMES, ON ALL SIDES.

15. A MINIMUM OF 3' CLEAR SPACE SHALL BE PERMITTED BETWEEN BOLLARDS IN FRONT OF THE PROPANE TANK. BOLLARDS SHALL BE PLACED ON ALL SIDES THAT COULD BE IMPACTED BY VEHICLES.

16. 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. ONE HANDLING SHALL BE CONSIDERED TO INCLUDE THE OPERATIONS OF EXCAVATING AND PLACEMENT OR LOADING/HAULING/STOCKPILING OF THE MATERIAL. 17. 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 18. 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.

19. A HIGHWAY CLASS PAVER WITH AN EIGHT TO TEN FOOT SCREED (CAT AP555E OR SIMILAR) WILL BE ALLOWED.

EARTHWORK

1. 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).

2. THE NORMAL GRUBBING WIDTH IN THE FILLS SHALL BE VARIABLE WHEN SUBGRADE IS LESS THAN 5' ABOVE OLD GROUND. THE GRUBBING DEPTH HAS BEEN ESTIMATED AS 6" IN FIELD AREAS AND 12" IN WOODED AREAS.

3. ALL ABOVE GROUND FEATURES AND BELOW GROUND OBSTRUCTIONS, (UTILITIES, FOUNDATIONS, ETC.) ENCOUNTERED DURING EXCAVATION SHALL BE REMOVED AND DISPOSED OF AS NECESSARY TO ENABLE WORK TO BE COMPLETED. UNDERGROUND UTILITIES LABELED "TO REMAIN" SHALL BE PROTECTED. SAVING OR REMOVAL OF UNDERGROUND OBSTRUCTIONS NOT SHOWN ON THE PLAN SHALL BE COORDINATED WITH THE PROJECT OWNER OR THEIR REPRESENTATIVE.

4. WASTE MATERIALS SHALL BE DISPOSED OF OFF THE PROJECT SITE, IN

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N/A				ALTON M. P	ALMEF	R, P.E.		PAI PAI	TOW M. LIMER IN Io. 6231
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FOLLOWS:

UTILITY

TIMES.

ANNIHIHHHH

PROJ.NO.: 3660

ACCORDANCE WITH CHAPTER 404, DEPARTMENT OF ENVIRONMENTAL PROTECTION SOLID WASTE MANAGEMENT RULES.

5. 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.

6. 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 SHALL BE MEASURED FOR PAYMENT AS COMMON EXCAVATION.

7. 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.

8. 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.

9. ALL SITE DISTURBANCE WILL REMAIN WITHIN THE GRADING LIMITS SHOWN ON PLANS. NO IMPACT TO WETLANDS ARE AUTHORIZED.

10. FOLLOWING APPROVAL OF THE EXCAVATION LIMITS, AND PRIOR TO THE PLACEMENT OF BACKFILL, THE EXISTING SUBGRADE SHALL BE PROOF COMPACTED AS

10.A. AREAS OF EXCAVATION EXTENDING TO THE ELEVATION 345 OR BELOW: PROOF COMPACT SUBGRADE WITH 3 TO 5 PASSES OF A VIBRATORY COMPACTOR HAVING A STATIC WEIGHT OF AT LEAST 500 POUNDS.

10.B. AREAS OF EXCAVATION THAT DO NOT EXTEND TO ELEVATION 345: PROOF COMPACT SUBGRADE TO AT LEAST 95 PERCENT OF ITS MAXIMUM DRY DENSITY.

EXISTING UTILITIES ON THESE PLANS WERE COMPILED FROM FIELD SURVEY 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. NO WORK SHALL BE STARTED UNTIL THE OWNERS OF THE VARIOUS UTILITIES ARE NOTIFIED BY THE CONTRACTOR OF THE PROPOSED CONSTRUCTION. THE CONTRACTOR IS ALSO REQUIRED TO CALL DIG SAFE AT 1-888-344-7233 PRIOR TO THE START OF THE WORK.

2. THE UTILITIES INVOLVED IN THIS CONTRACT ARE:

MAINE TURNPIKE AUTHORITY

CENTRAL MAINE POWER

FAIRPOINT/CONSOLIDATED COMMUNICATIONS

SPECTRUM/CHARTER COMMUNICATIONS

3. THE CONTRACTOR SHALL NOTIFY THE RESIDENT 10 DAYS PRIOR TO CONSTRUCTION SO THE RESIDENT CAN ARRANGE FOR MAINE TURNPIKE UNDERGROUND UTILITY LOCATION. ALL PROPOSED EXCAVATION LOCATIONS SHALL BE MARKED AT THE NOTIFICATION TIME. EXCAVATION WILL NOT BE PERMITTED UNTIL THE AUTHORITY HAS LOCATED AND MARKED ITS' UNDERGROUND UTILITIES, OR NOTIFIED THE RESIDENT THERE ARE NO UNDERGROUND UTILITIES IN THE MARKED AREAS. THE AUTHORITY HAS PROGRAMMED TWO FIELD VISITS FOR MAINE TURNPIKE UTILITY COORDINATION ON THIS PROJECT. SHOULD THE CONTRACTOR NEED ADDITIONAL EXCAVATION LOCATIONS MARKED, OR SHOULD THE CONTRACTOR FAIL TO MAINTAIN THE AUTHORITY'S PREVIOUSLY ESTABLISHED DIG SAFE MARKS, THE AUTHORITY SHALL DEDUCT THE ADDED MARKING COSTS FROM THE CONTRACTOR'S PAYMENTS.

4. THE CONTRACTOR SHALL NOTIFY ALL NONMEMBERS THROUGH WWW.OKtoDIG.COM OR AS OTHERWISE REQUIRED BY THE MAINE PUBLIC UTILITIES COMMISSION. NO EXCAVATION SHALL BE PERMITTED UNTIL THE AUTHORITY HAS LOCATED AND MARKED ITS UNDERGROUND UTILITIES. THE RESIDENT ENGINEER SHALL BE PROVIDED AN ELECTRONIC COPY OF ALL DIG SAGE TICKETS WITHIN 24 HOURS OF THEIR RELEASE FOR PROJECT NOTIFICATIONS AND 3RD PARTY UTILITY LOCATOR COORDINATION.

5. FOLLOWING THE COMPLETION OF THE INITIAL UTILITY LOCATE, THE CONTRACTOR WILL GPS ALL UTILITIES WITHIN THE PROJECT LIMITS AND PROVIDE A COPY OF THE DIG SAFE RECORDS TO THE AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMARKING ALL MTA UNDERGROUND UTILITIES WHEN A DIG SAFE UTILITY LOCATE IS CALLED IN FOR THE PROJECT.

6. 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.

7. EXCEPT AS ALLOWED IN THE PROJECT SPECIFICATIONS OR APPROVED BY THE RESIDENT. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES IN SERVICE AT ALL TIMES.

8. IF THE CONTRACTOR DAMAGES UTILITY SERVICES, HE SHALL IMMEDIATELY NOTIFY THE RESPECTIVE UTILITY COMPANY AND SHALL IMMEDIATELY REPLACE THEM AT HIS OWN EXPENSE.

9. DURING CONSTRUCTION, THE PROPANE TANKS SHALL BE PROTECTED AT ALL

10. THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND CONSTRUCTION DRAWINGS FOR THE CONCRETE PROPANE TANK PAD, IN ACCORDANCE WITH SPECIAL PROVISION 502.

EROSION CONTROL

1. THE ANTICIPATED EROSION CONTROL DEVICES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROPOSED 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. 2. 4" LOAM HAS BEEN ESTIMATED FOR 100% OF THE DISTURBED SLOPE AREA UNLESS OTHERWISE SPECIFIED ON THE PLANS. 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 USED ON ALL OTHER AREAS.

4. NEWLY DISTURBED EARTH SHALL BE MULCHED PRIOR TO A RAIN EVENT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED AS INCIDENTAL TO THE PROJECT.

5. ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION BEST MANAGEMENT PRACTICES.

6. TEMPORARY SEED SHALL BE APPLIED TO ALL DISTURBED AREAS THAT WILL NOT BE COMPLETED WITHIN 30 DAYS.

7. TEMPORARY EROSION CONTROL BLANKET SHALL BE INSTALLED IN ALL DITCHES AND 2:1 SLOPES FROM 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 8' WIDE OR AS DESIGNATED BY THE RESIDENT.

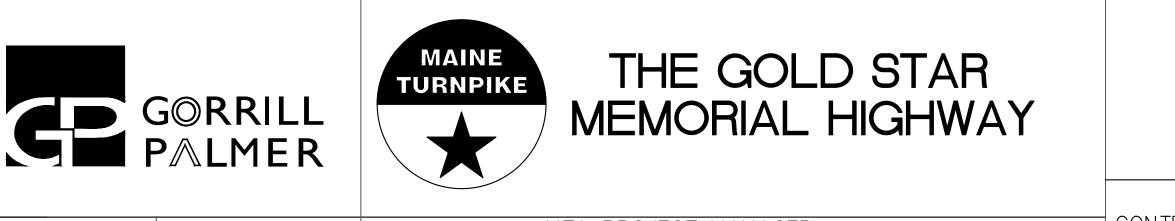
8. TEMPORARY STABILIZATION WITH MULCH OR OTHER NON-ERODIBLE COVER IS REQUIRED ON ALL EXPOSED SOILS THAT WILL NOT BE WORKED ON FOR MORE THAN 7 DAYS. AREAS WITHIN 75 SHEET OF A WETLAND OR WATERBODY SHALL BE STABILIZED WITHIN 48 HOURS OF THE INITIAL DISTURBANCE OF THE SOIL OR PRIOR TO ANY STORM EVENT, WHICHEVER COMES FIRST. 9. LAND DISTURBING ACTIVITIES SHALL BE ACCOMPLISHED IN A MANNER AND SEQUENCE THAT CAUSES THE LAST 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.

PAVING

REFER TO THE SPECIAL PROVISIONS FOR INFORMATION REGARDING PAVEMENT AND TACK COAT SPECIFICATIONS.

DRAINAGE

1. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT 2. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT. 3. ONE GREEN DELINEATOR POST SHALL BE INSTALLED AT ALL UNDERDRAIN AND STORM DRAIN OUTLETS.



CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE **GENERAL NOTES**

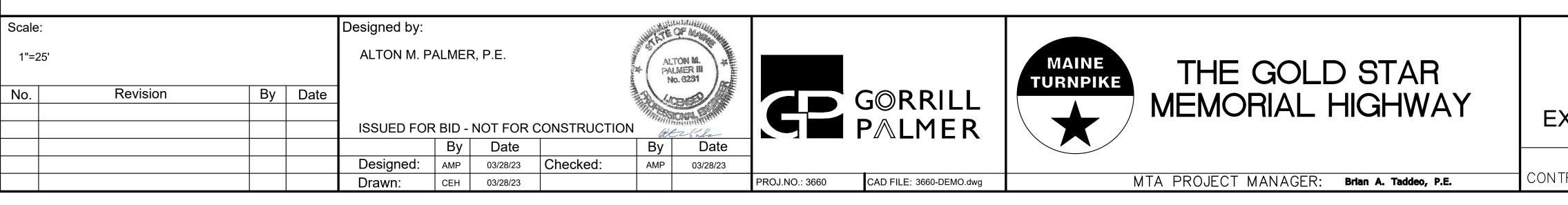
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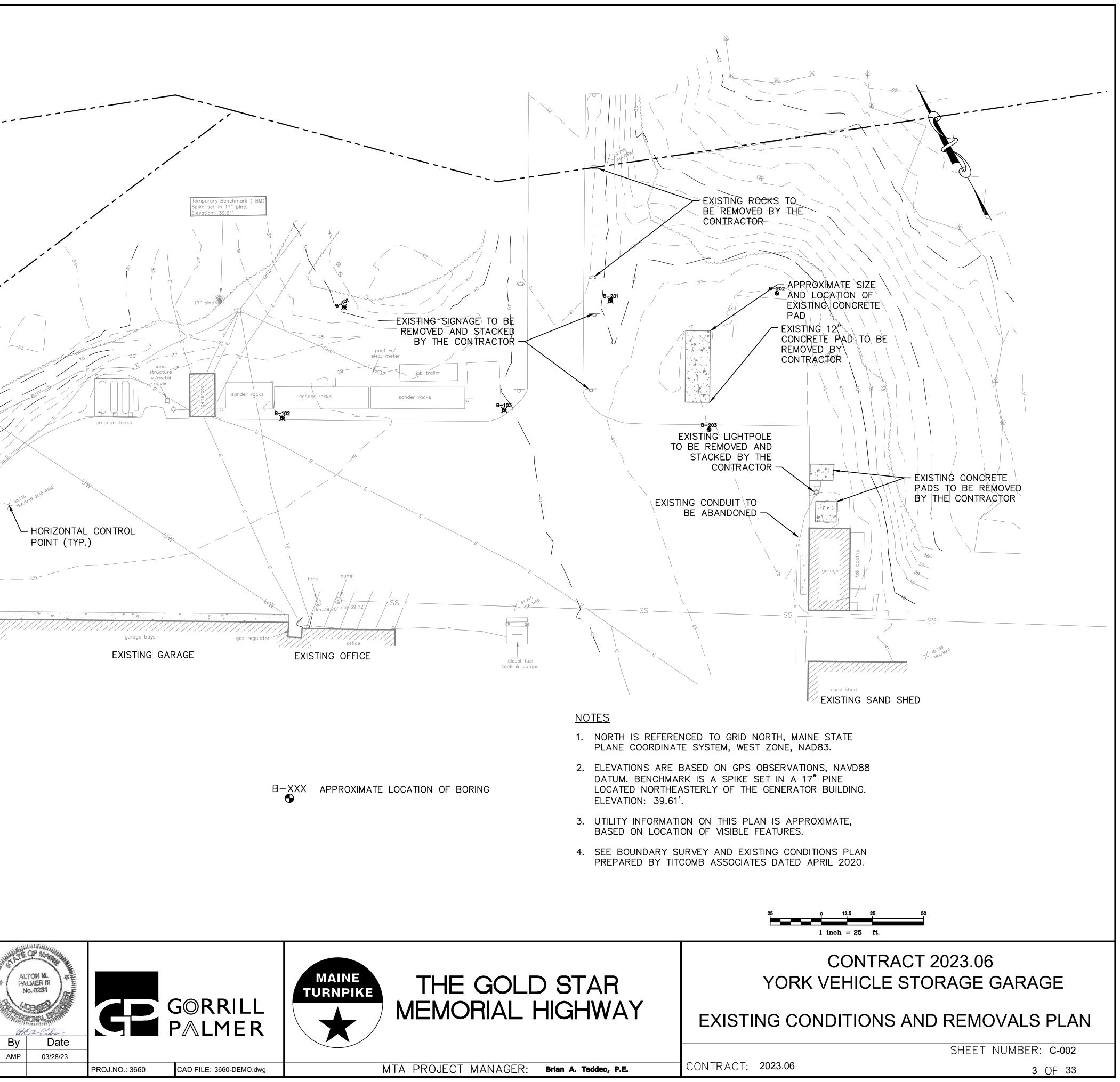
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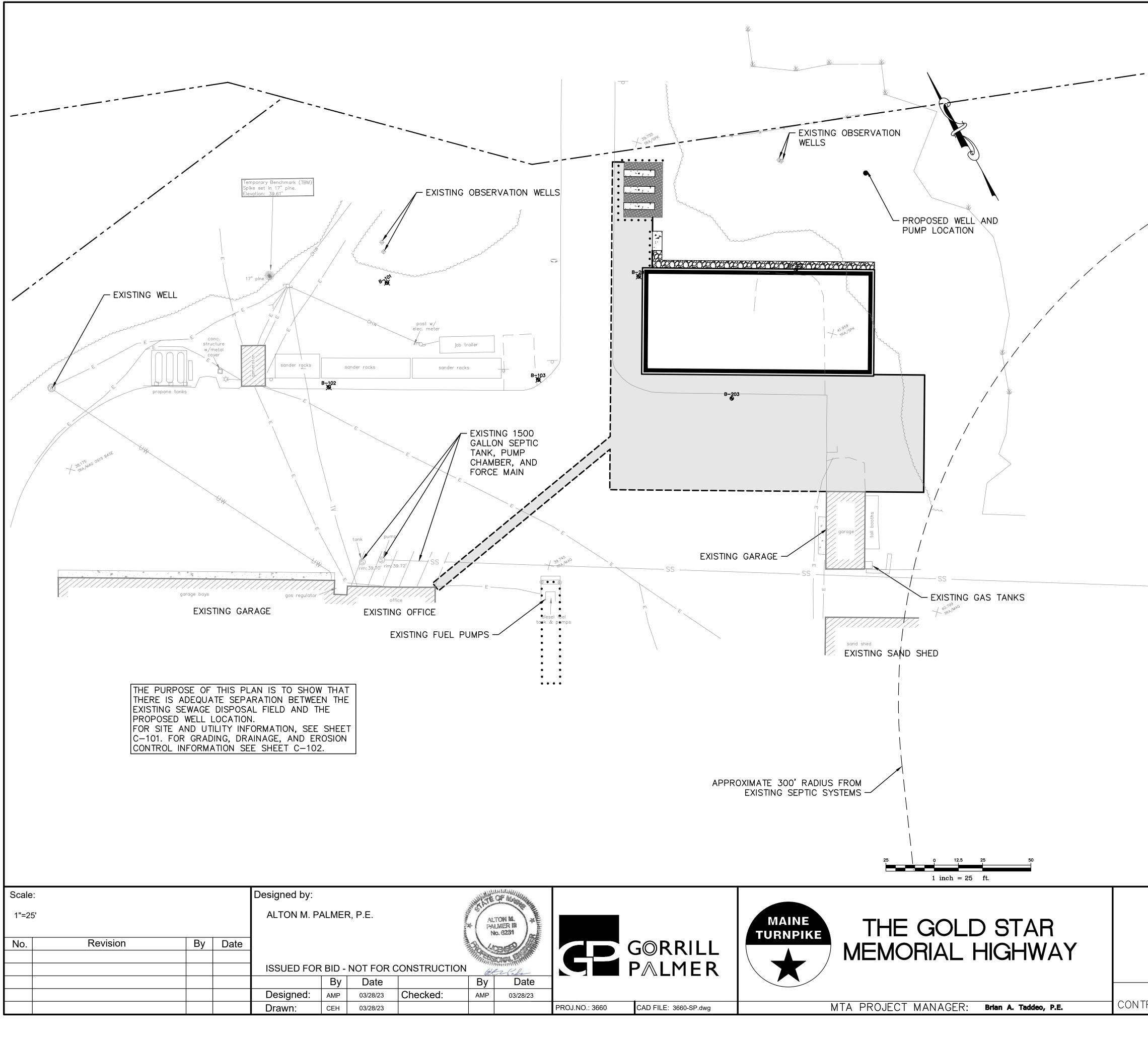
<u>CIVIL LEGEND</u>

SYMBOL	DESCRIPTION
	EXISTING RIGHT-OF-WAY
	EXISTING SETBACK
	EXISTING EDGE OF PAVEMENT
$\sim \sim $	EXISTING TREELINE
X	EXISTING CHAINLINK FENCE
	EXISTING GUARDRAIL
249	EXISTING CONTOUR
	EXISTING BUILDING
UG	EXISTING UNDERGROUND GAS EXISTING OVERHEAD WIRE
UC	EXISTING UNDERGROUND CABLE
U W	EXISTING UNDERGROUND WATER
	EXISTING UNDERGROUND ELECTRIC EXISTING UNDERGROUND STORM DRAIN
15" RCI SD	EXISTING CATCH BASIN
	EXISTING FREE STANDING SIGN
₩ ^S o	EXISTING WATER SHUT OFF
ф —	EXISTING LIGHT POLE
	EXISTING PROPANE TANK EXISTING UTILITY POLE
	EXISTING HYDRANT
	PROPOSED VERTICAL GRANITE CURB
	PROPOSED EDGE OF BUILDING
	PROPOSED GUARDRAIL
	PROPOSED CONCRETE
	PROPOSED EDGE OF PAVEMENT
240	PROPOSED CONTOUR
	PROPOSED SEWER
v	PROPOSED WATER PROPOSED UNDERGROUND ELECTRIC
———P———	PROPOSED PROPANE LINE
· · · · · · · · · · · · · · · · · · ·	PROPOSED SILT FENCE
GP11-201	2019 SOIL PROBE LOCATION
● B11_101	2019 BORING LOCATION
•	2019 BORING LOCATION

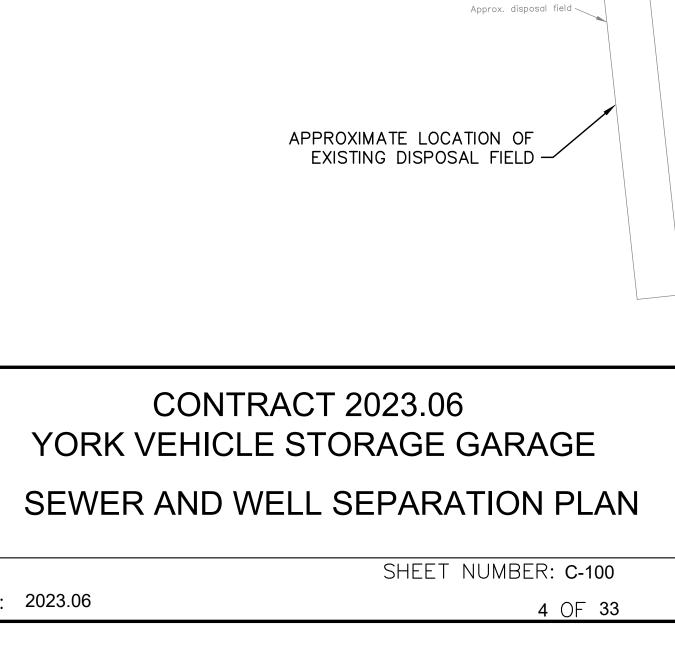
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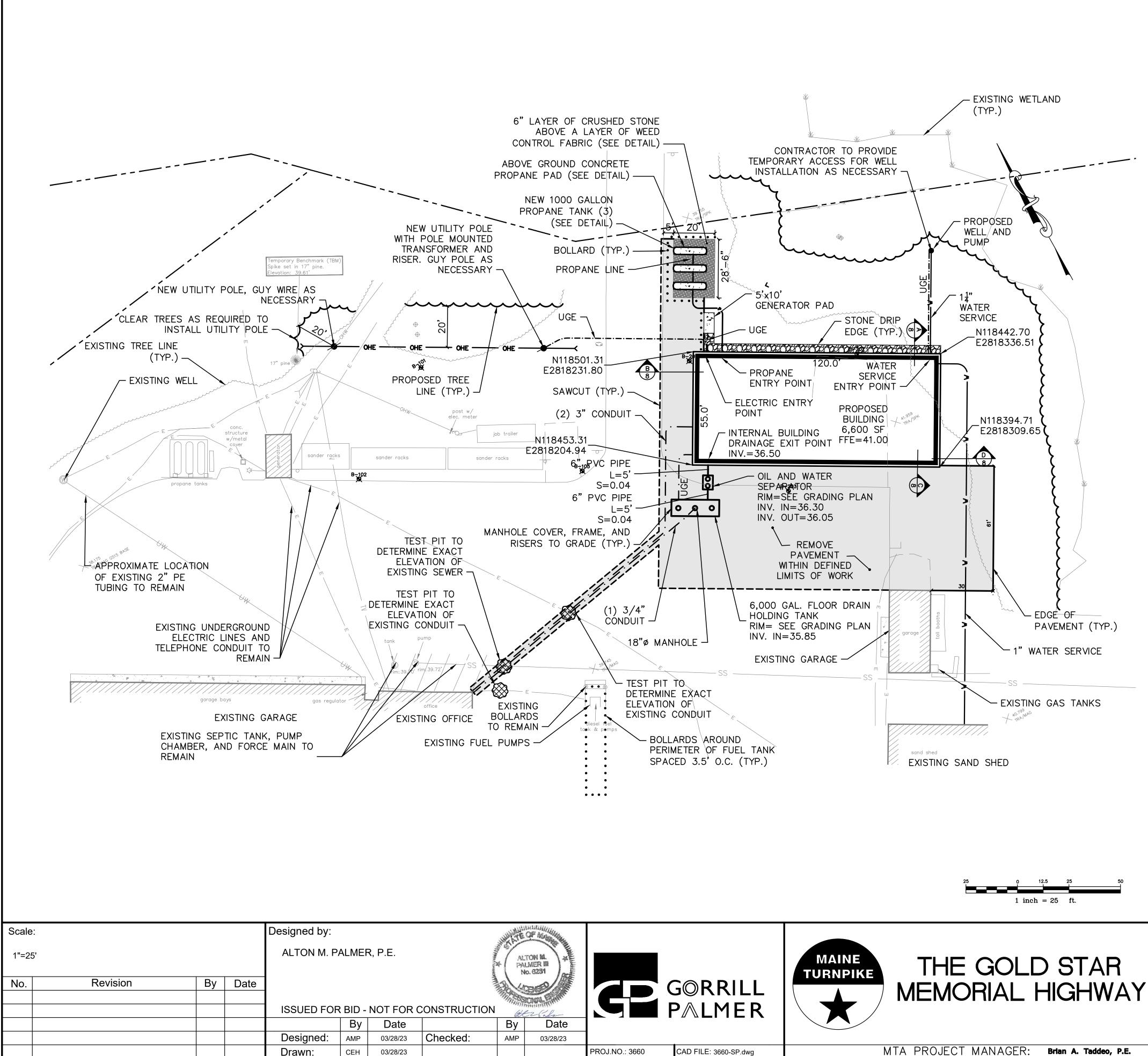






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MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONCRETE PROPANE	TANK PAD -	LAYOUT DATA
LOCATION	NORTHING	EASTING
NORTHWEST CORNER	118550.39	2818247.81
NORTHEAST CORNER	118542.58	2818261.77
SOUTHEAST CORNER	118539.52	2818260.06
SOUTHWEST CORNER	118547.34	2818246.10

CONCRETE PROPANE	TANK PAD -	LAYOUT DATA
LOCATION	NORTHING	EASTING
NORTHWEST CORNER	118542.97	2818243.65
NORTHEAST CORNER	118535.16	2818257.62
SOUTHEAST CORNER	118532.10	2818255.91
SOUTHWEST CORNER	118539.92	2818241.95

CONCRETE PROPANE	FANK PAD -	LAYOUT DATA
LOCATION	NORTHING	EASTING
NORTHWEST CORNER	118535.56	2818239.50
NORTHEAST CORNER	118527.74	2818253.47
SOUTHEAST CORNER	118524.69	2818251.76
SOUTHWEST CORNER	118532.50	2818237.79

OIL AND WATER SE	PARATOR - L	AYOUT DATA
LOCATION	NORTHING	EASTING
NORTHWEST CORNER	118446.46	2818207.02
NORTHEAST CORNER	118444.07	2818211.22
SOUTHEAST CORNER	118438.13	2818207.85
SOUTHWEST CORNER	118440.52	2818203.64

6,000 GALLON HOLD	ING TANK -	LAYOUT DATA
LOCATION	NORTHING	EASTING
NORTHWEST CORNER	118443.54	2818187.97
NORTHEAST CORNER	118432.21	2818208.21
SOUTHEAST CORNER	118425.23	2818204.31
SOUTHWEST CORNER	118436.56	2818184.06

CONCRETE GENERAT	OR PAD - L	AYOUT DATA
LOCATION	NORTHING	EASTING
NORTHWEST CORNER	118515.45	2818245.44
NORTHEAST CORNER	118513.01	2818249.80
SOUTHEAST CORNER	118504.28	2818244.92
SOUTHWEST CORNER	118506.72	2818240.56

PAVEMENT LEGEND

HEAVY DUTY BITUMINOUS PAVEMENT REINFORCED CONCRETE

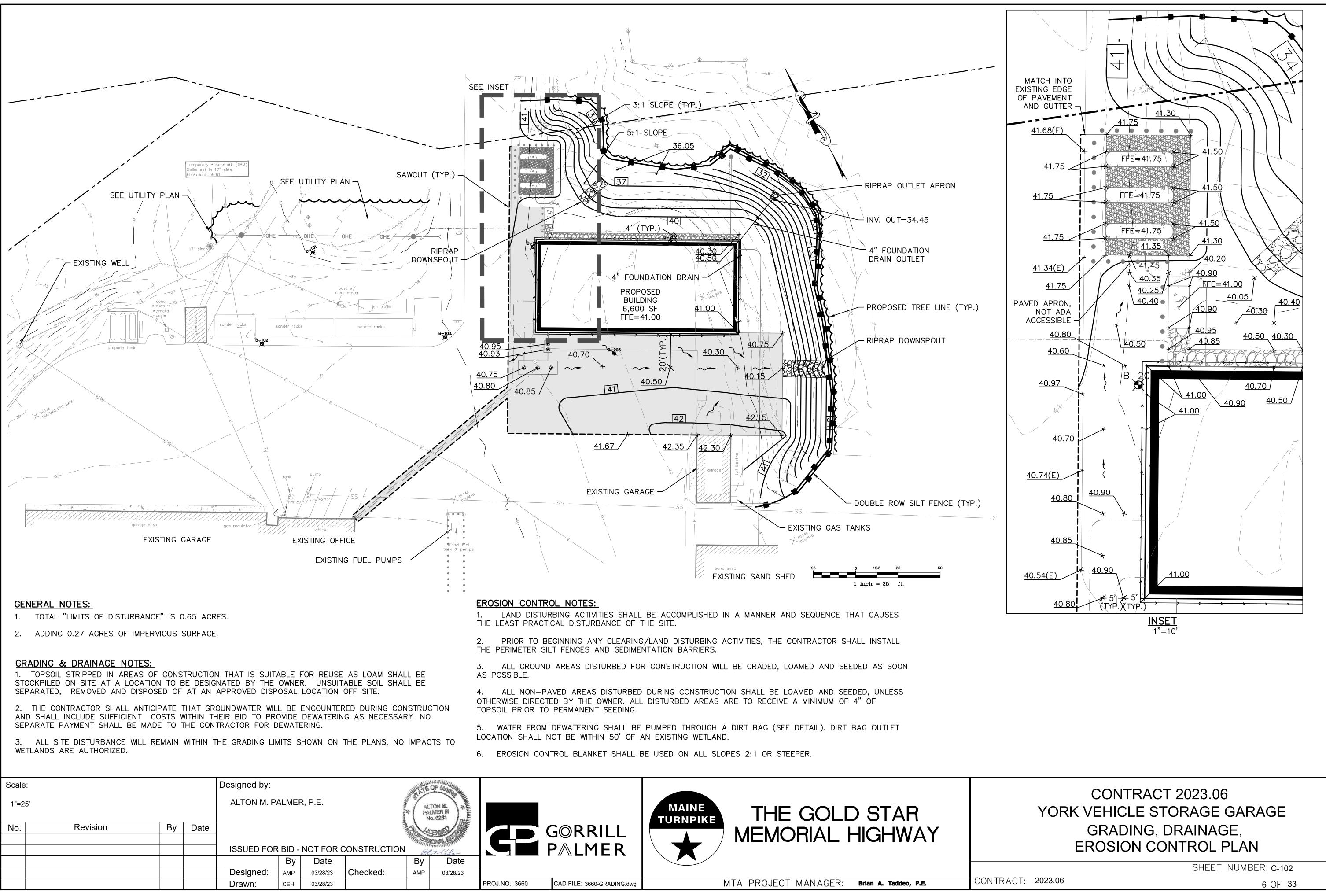
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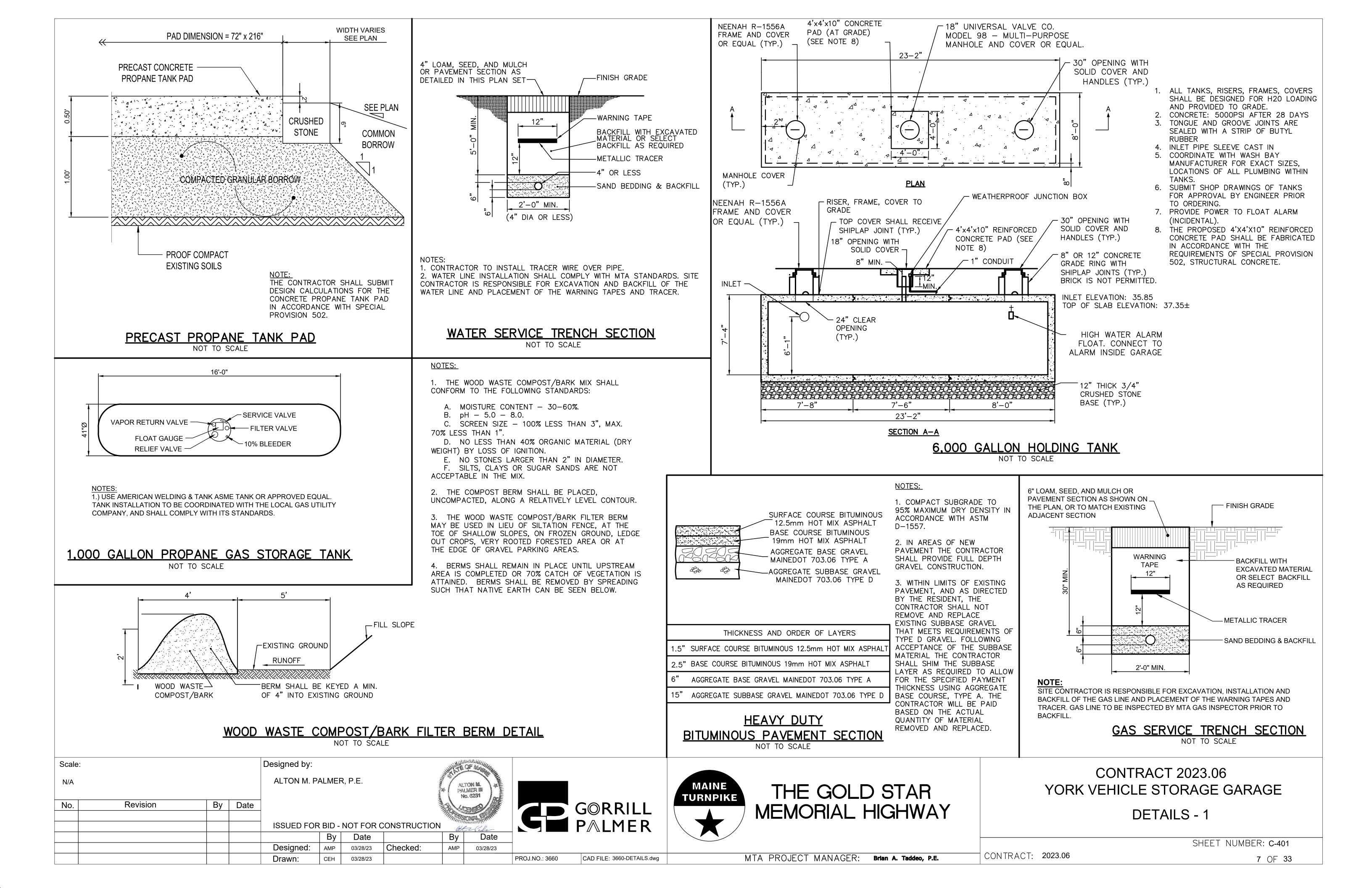
SITE AND UTILITY PLAN

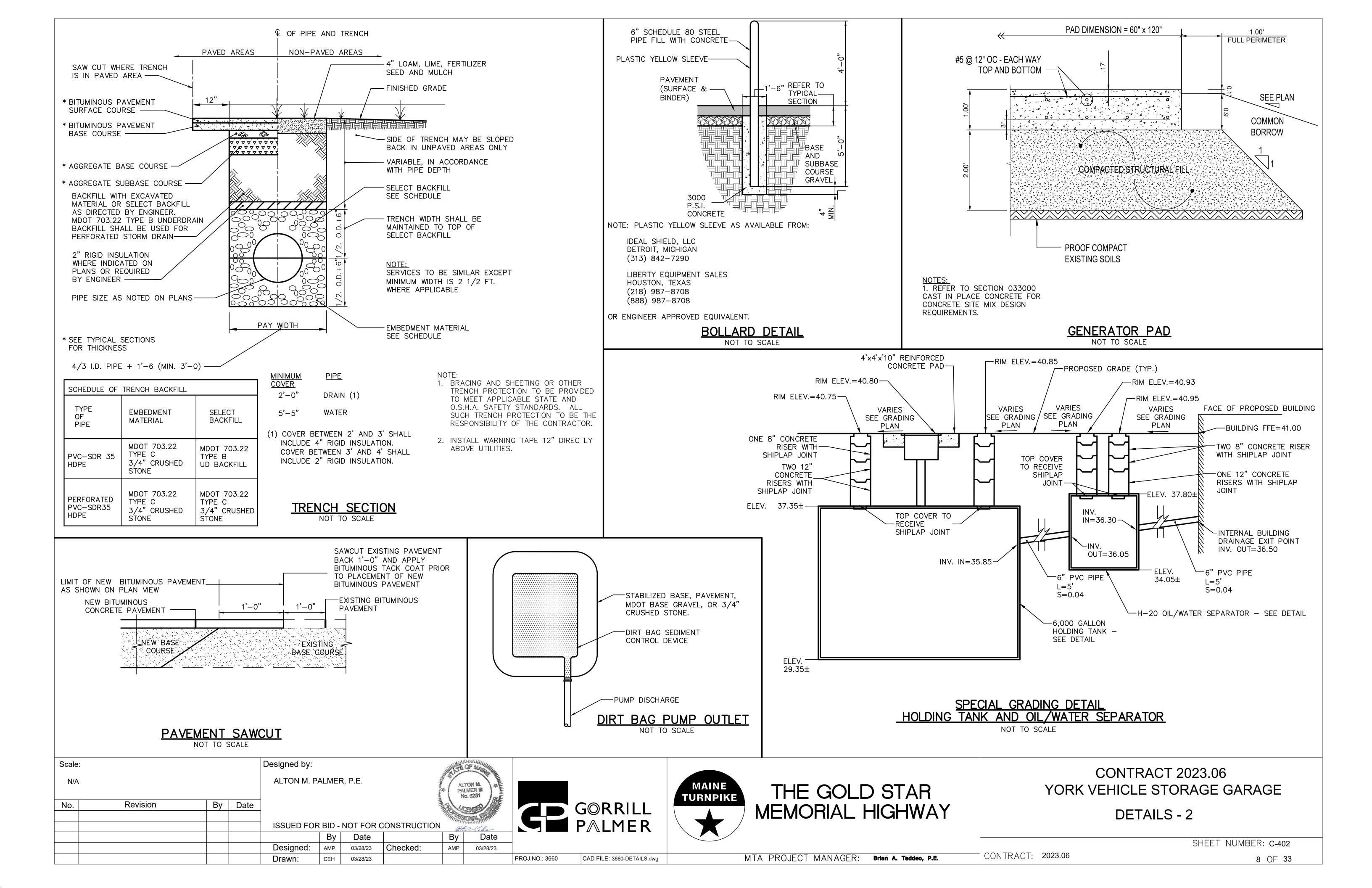
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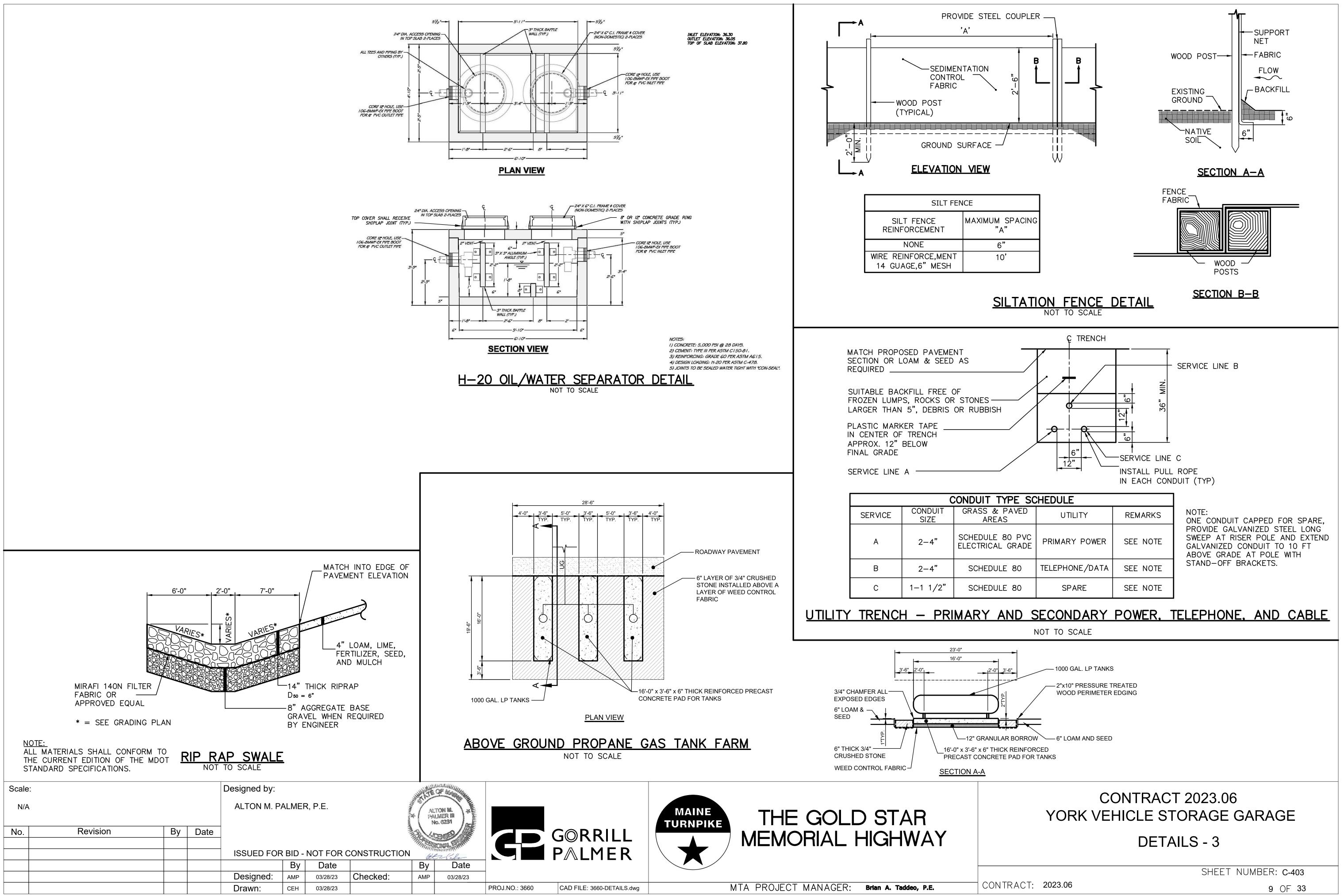
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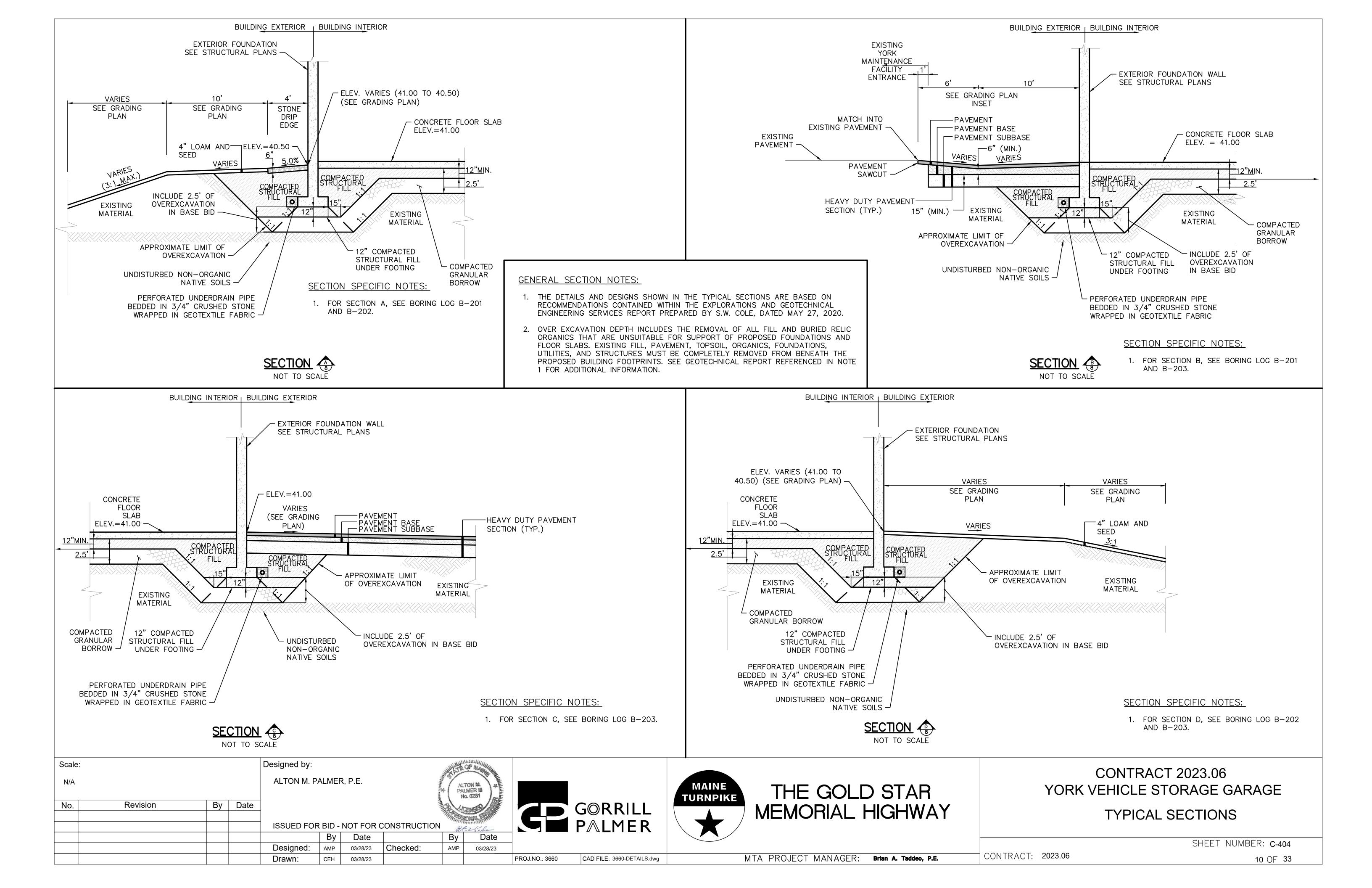
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			NFPA 101 Life Safe	ty Cod	e - 2021	Edition					
			Building Classificatio Hazard Classification Construction Type: Occupant Loads:			Storage - 6,600 Ordinary Hazard Type II (000) Maximum Probable		occupants			
			<u>Building Uses</u> Non-Sprinkled Buildii	ng		<u>Storage</u>					
			Max. Allowable Trave Max. Allowable Com Max. Dead End Corr Minimum Number of I Minimum Separation	non Pat Idor Le Require of exite	:h: ngth: d Exits 5:	200' 50' 50' 2 0.5 diagonal'					
			Mınımum Egress Doc Fıre Alarm System: Fıre Sprınkler Syster Exit Lıghtıng: Emergency Lıghtıng: Portable Fıre Extıngı	n:		36" Not Required Not Required Required Required Required					
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	Al Al B B B B B	WP NT NOT NG	ABOVE FINISH FLOOR ALUMINUM ACOUSTICAL WALL PANEL BITUMINOUS BENCH MARK BOTTOM BEARING	G GA GB GC GW HC	GAL GRA GRA B GYF HAI	VANIZED AB BARS IERAL CONTRACTO SUM WALL BOARI NDICAP	QR	PL PL PLY WD PL PNL PA PS PA P T PR	ANIC BAR ATE YWOOD ANEL ASSAGE LATCH S RESSURE TREATE APER TOWEL & ASTE DISPENSER ARTITION	D	
	C		BRICK CARPET CABINET CHALK BOARD CENTER TO CENTER CONCRETE FLOOR WITH HARDENER CONTROL JOINT CENTER LINE	HD HDF HD\ HM HOI HT ID	R HEA ME HAA HO RIZ HO HEI	RDWOOD ADER RDWARE LLOW METAL RIZONTAL GHT DIDE DIAMETER		RD RC RE RE REF RE REINF RE REQ'D RE RM RC	DOF DRAIN EFER EFRIGERATOR EINFORCED EQUIRED DOM		
-		ILG MU ONC ONT ONST ONTR	CENTER LINE CEILING CONCRETE MASONRY UNI CONCRETE CONTINUOUS CONSTRUCTION CONTRACTOR CERAMIC TILE DOUBLE	ID IF INS INS JNT KEC	UL INS INC INS INT or JT JOI	DIDE FACE CHES DULATION ERIOR		S SC SAT SI TII SC SI SD SC	OUGH OPENING OUTH USPENDED ACOU LE CEILING HOWER CURTAIN OAP DISPENSER CHEDULE	ISTICAL	
		DE DE DIA DIM DIM DIM R DITL DWG	DOOR CLOSER DIAMETER DIMENSION DOES NOT APPLY DOOR DETAIL DRAWING	KP L LAE LNT LOC	CO KIC LA\ LAE L LIN C LOO	NSULTANT XK PLATE /ATORY BEL (FIRE) TEL CATION		SECT SE SGB SI BC SHT SI SIM SI SND S/	ECTION USPENDED GYPSI OARD CEILING HEET IMILAR ANITARY NAPKIN I PECIFICATIONS		GAL
		A F L LEC LEV	EAST EACH EACH FACE EXPANSION JOINT ELEVATION ELECTRICAL ELEVATOR	LS MAX MAX MB MEG MFG	MA 5 MA X MA MA CH ME	CKSET RBLE SONRY XIMUM RKER BOARD CHANICAL		SQ S(SSS S) STD S STL S STRUCT S STV S	QUARE YNTHETIC SPORTS TANDARD TEEL TRUCTURAL TRAIGHT VINYL BA HEET VINYL		ACE
		MHO Q WC XIST OF (E) XP XT	ELECTROMAGNETIC HOLD OPEN EQUAL EACH WAY ELECTRIC WATER COOLER EXISTING EXPANSION EXTERIOR	MTI	GB MC GB MC GY - ME	NUFACTURER NIMUM SCELLANEOUS SONRY OPENING OP OPENING DISTURE RESISTAN PSUM BOARD TAL	IT	TH THK TH TO TO TOB TO TOM TO	EMPERED (GLASS ACK BOARD HERMAL (INSULAT HICKNESS OP OF OP OF BEAM OP OF BEAM OP OF MASONRY	ED)	
	FI FI FI FI	CS D DN E FE IN IN FL or FF	FLOOR COATING SYSTEM FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FINISH FLOOR ELEVATION FINISH FINISH FLOOR	NIC NO NOI NTS OA OC	NC NU M NC M NC M NC NC	OT APPLICABLE OT IN CONTRACT MBER OMINAL OT TO SCALE (ERALL I CENTER		TP TC TYP TN VB V VCT V VERT V	OP OF WALL OILET PAPER DISF YPICAL APOR BARRIER INYL COMPOSITIC ERTICAL INYL WALL COVEF	ON TILE	
	FI FL FF FF	IN GR L	FINISH GRADE FLOOR FIRE RATING FRAMING FEET (FOOT) FIELD VERIFY FABRIC WALL COVERING	OD OF OPI OPI PTC	OL OL OP OP OP	ITSIDE DIAMETER ITSIDE FACE POSITE INT INTED		W/ W WC W WD W WF W WG W	/EST /ITH /ATER CLOSET /OOD /ATER FOUNTAIN /IRE GLASS /OOD PANELING		
	Scale	e:				Designed by:				//cE	D ARCHITEC
		= 1'-0"								MIC MIC	HAYS
	No.		Revision	By	Date	MICHAEL F. HAY			NSTRUCTION	STAT	E OF MAINE
						Designed:	BID - 1 By MFH	Date 03/28/23	Checked:	By	Date 03/28/2

Drawn:

MGK 03/28/23

2018 International Building Code

Use Group Classification
Construction:
Occupant Loads:

Building Limitations
Construction Type:
Maximum Height:
Maxımum Area / Floor:

Fire Resistance Ratings Load Bearing Exterior Walls: Minimum Number of Exits: Maximum Dead-End Corridor Length: 20' Maximum Common Travel Path: Maximum Travel Distance:

Fire Alarm System: Fire Sprinkler System: Portable Fire Extinguishers: Exit Lighting Emergency Lighting

Building Live Loads Storage:

DAY.

Storage - Use Group S2 Type II - Non-Combustible, Unprotected 6,600 sf S2 @ 500 sf/occ = 14 occupants

Non-Sprinkled **IIB** Unprotected 3 stories / 55' 39,000 sf

None 2 75' 300'

Not Required Not Required (less than 24,000 sf) Required Required Required

125 psf @ light; 250 psf @ heavy

GENERAL NOTES MATERIALS ΙC CONCRETE I. ALL WORK SHALL CONFORM TO LOCAL AND STATE LAWS, ORDINANCES AND PREVAILING EDITIONS OF ADOPTED (|C|)CONCRETE MASONRY UNIT BUILDING CODES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE ALL PERMITS FOR WORK. BRICK $\langle A \rangle$ 2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND GRAVEL DIMENSIONS PRIOR TO COMMENCING THE WORK AND A7 REPORT ANY DISCREPANCIES TO THE ARCHITECT. CONTRACTOR SHALL PROCEED WITH THE WORK ONLY SOIL AFTER SUCH DISCREPANCIES HAVE BEEN RESOLVED BY THE ARCHITECT. CONTRACTOR SHALL ALLOW A 48 HOUR STUD PARTITION (EXISTING) TIME FRAME FOR RESOLVING DISCREPANCIES ONCE THE A2 ARCHITECT HAS ACKNOWLEDGED THE CONDITION. STEEL _____ B 3. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL WOOD FRAMING EXISTING CONDITIONS PRIOR TO STARTING THE WORK IN ANY GIVEN AREA. WOOD BLOCKING 6-4. WORK WITH GIVEN DIMENSIONS AND LARGE SCALE DETAILS. DO NOT SCALE THE DRAWINGS AS THE PLYWOOD REPRODUCTIVE PROCESS TENDS TO DISTORT THE ACCURACY OF THE GRAPHIC SCALE INDICATED. GYPSUM BOARD 5. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN A NEAT, SAFE, AND CLEAN MANNER. ALL CONSTRUCTION SUSPENDED ACOUSTICAL TILE WASTE SHALL BE REMOVED FROM THE BUILDING. SITE BURNING IS NOT ALLOWED. LEAVE WORK AREA IN A BATT INSULATION CLEAN, SAFE CONDITION AT THE END OF EACH WORK RIGID INSULATION 6. ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF AT AN APPROVED OFF-SITE FACILITY IN COMPLIANCE WITH FINISH WOOD ALL REGULATIONS. EGRE ONE HOUR RATED PARTITION o 7. ALL WOOD IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESERVATIVE TREATED. TWO HOUR RATED PARTITION 0 0 8. INSTALL SOLID BLOCKING AT WALL FRAMING BEHIND ALL EXISTING PARTITION (SCREENED) SURFACE MOUNTED ITEMS. 9. REFER TO THE ACCESSIBILITY DETAIL SHEET FOR NEW PARTITION AMERICANS WITH DISABILITIES ACT (ADA) AND MAINE HUMAN RIGHTS ACT (MRHA) CONSTRUCTION CRITERIA.



AEI PROJ.NO.: 20020 CAD FILE:



THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER:

Brian A. Taddeo, P.E.

MUBEC (Maine Uniform Building Energy Code) MINIMUM INSULATION VALUES Per 2021 IECC; Table C402.1.3, C402.1.4 and C402.4

ZONE 6 Metal Building with

Roof

Exterior Wall Mass Wall above (Mass Wall below (Unheated Slab (24 Doors - Swinging Doors - Overhead Windows - Fixed

8	9

	R-VALUE	U-FACTOR	SHGC
ch R-5 Thermal Blo	ckers		
	R-25 + R-11 LS	5 0.031	NA
	R-25	0.040	NA
Grade	R-13.3 ci	0.080	NA
Grade	R-10 ci	C-0.092	NA
4" band)	R-20.0	F-0.51	NA
		0.37	NA
d (< 4% glass)	R-4.75	0.21	NA
Ŭ		0.34	0.38

End of Analysis

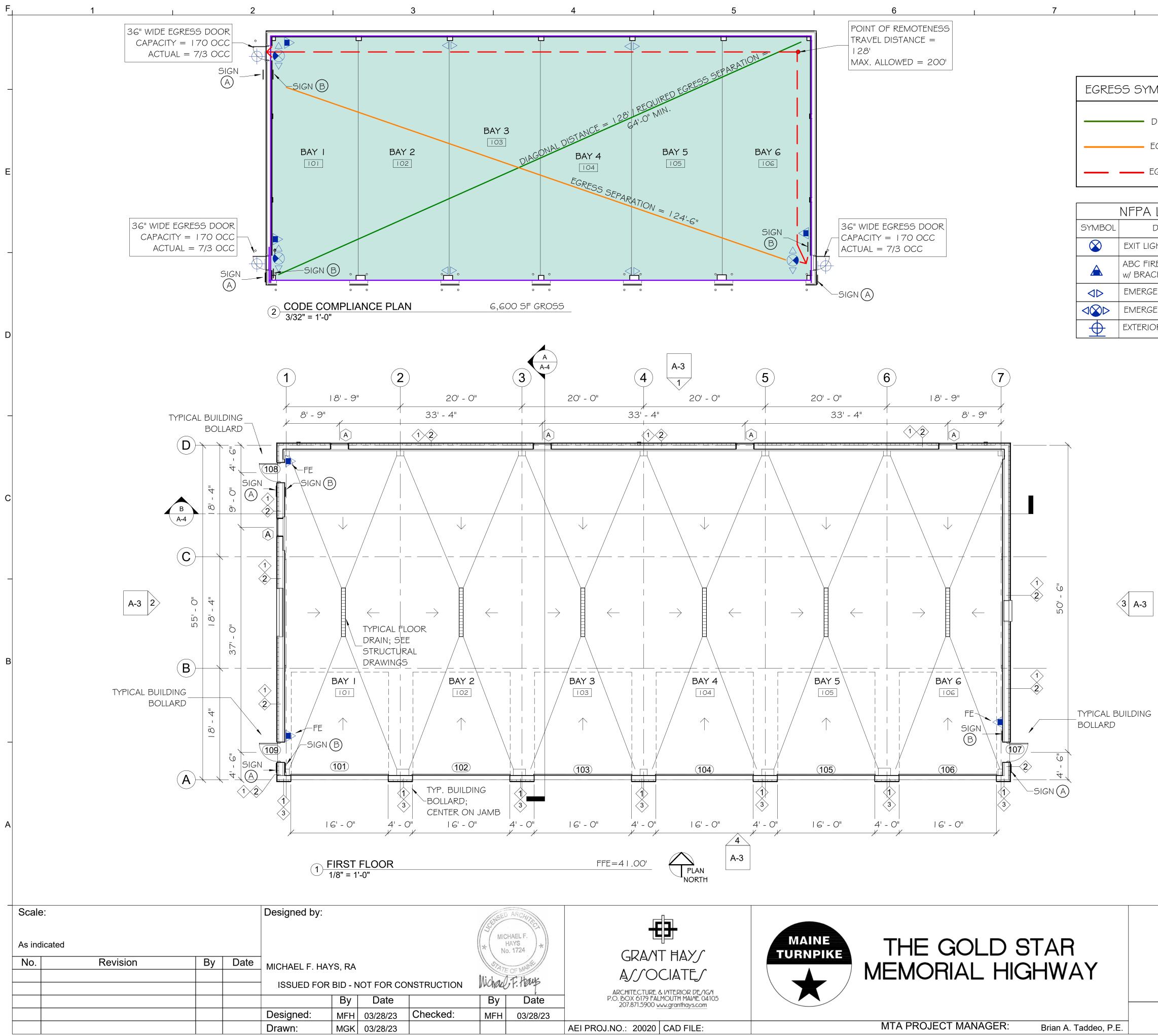
C	SYMBOLS	NF	PA LEGEND
01	ROOM NUMBER	SYMBOL	DESCRIPTION
	DOOR NUMBER		EXIT LIGHT ABC FIRE EXTINGUISHER w/ BRACKET
\overline{A}	WINDOW NUMBER		EMERGENCY LIGHT
A			EMERGENCY / EXIT LIGHT EXTERIOR EMERGENCY LIGHT
	BUILDING SECTION		
1 20	WALL SECTION		
B IO	DETAIL SECTION		
-A9	CASEWORK ELEVATION		
	INTERIOR ELEVATION		
	- VERTICAL ELEVATION		
· >	PARTITION TYPE		
$\overline{\gamma}$	STRUCTURAL CENTERLINE		
<u> 5</u> 55	SYMBOLS LEGEND		
	EGRESS SEPARATION		
	EGRESS PATH		

YORK VEHICLE STORAGE GARAGE **ARCHITECTURAL COVER SHEET**

CONTRACT: 2023.06

10_L

D



RES	65 SYMBOLS LEGEND					
	DIAGONAL DISTANCE					
_	- EGRESS PATH					
	NFPA LEGEND				PANT LOADS]
BOL	DESCRIPTION			IBC 2018	6 (MP)	-
	EXIT LIGHT				0 (1011)]
•	ABC FIRE EXTINGUISHER w/ BRACKET				NOTES	
•	EMERGENCY LIGHT	 SEE SHEET A-8 FOR ACCESSIBILITY DETAILS SEE SHEET A-8 FOR ADA SIGNAGE. 				ILS & NOTI
\triangleright	EMERGENCY / EXIT LIGHT				ADA SIGNAGL. ESSIBILITY DETAILS AI	ND NOTES
<u>}</u>	EXTERIOR EMERGENCY LIGHT				GHTS OF LIFE SAFETY	

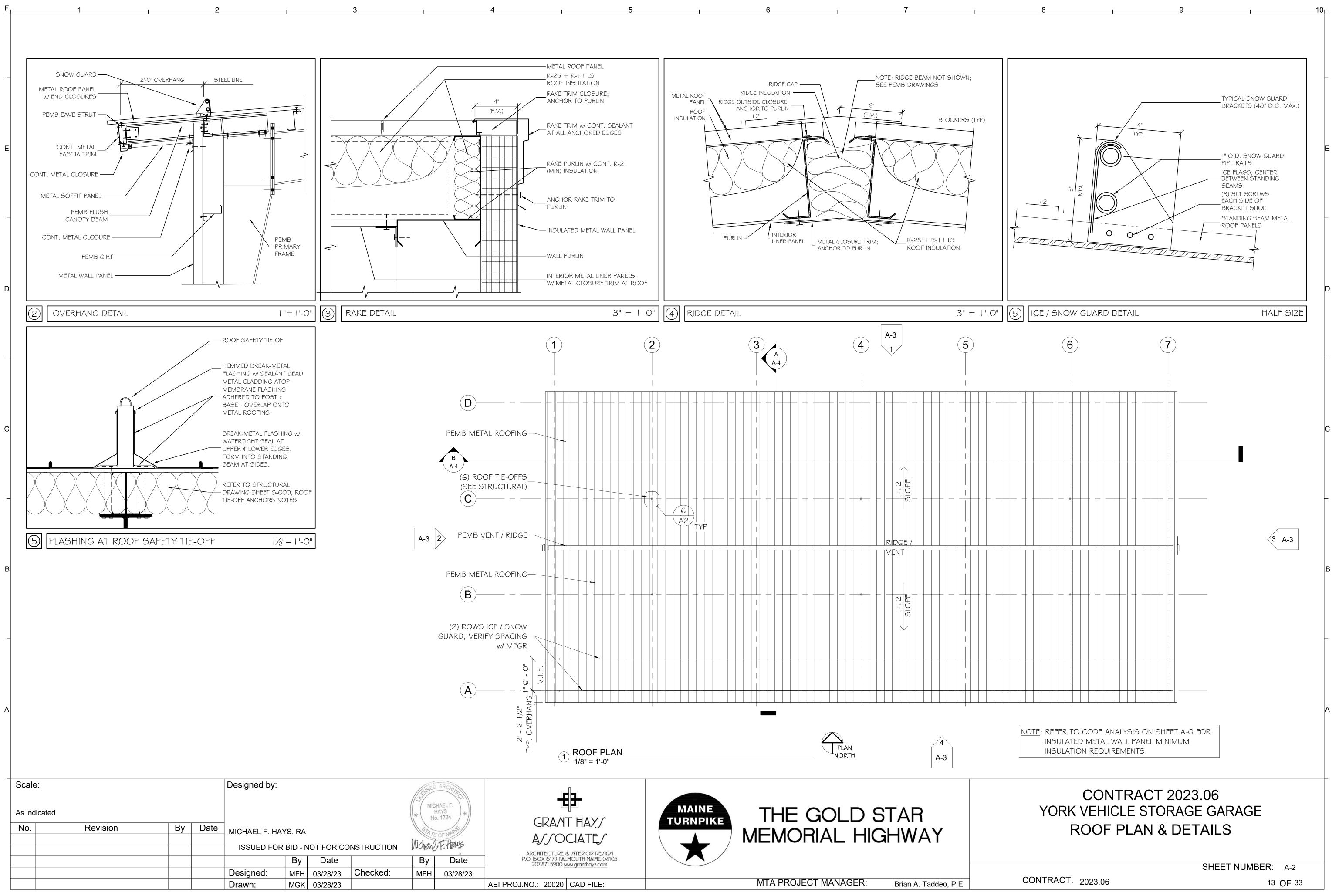
WALL TYPES A7 $\langle \rangle$ 2 A7 $\langle 2 \rangle$ (3) (A7) $\langle 3 \rangle$

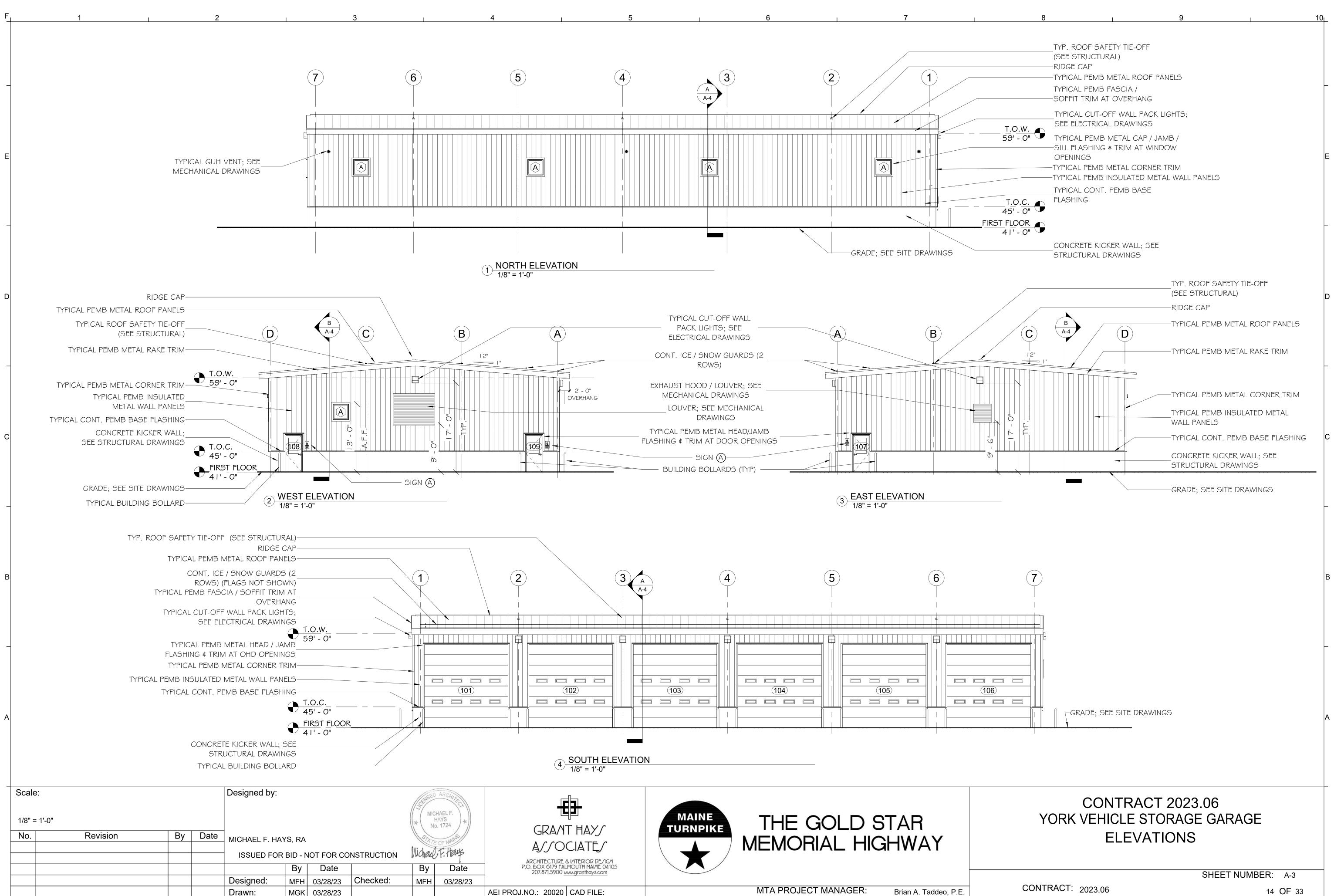
CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE CODE COMPLIANCE & FIRST FLOOR PLANS

CONTRACT: 2023.06

SHEET NUMBER: A-1

12 OF 33





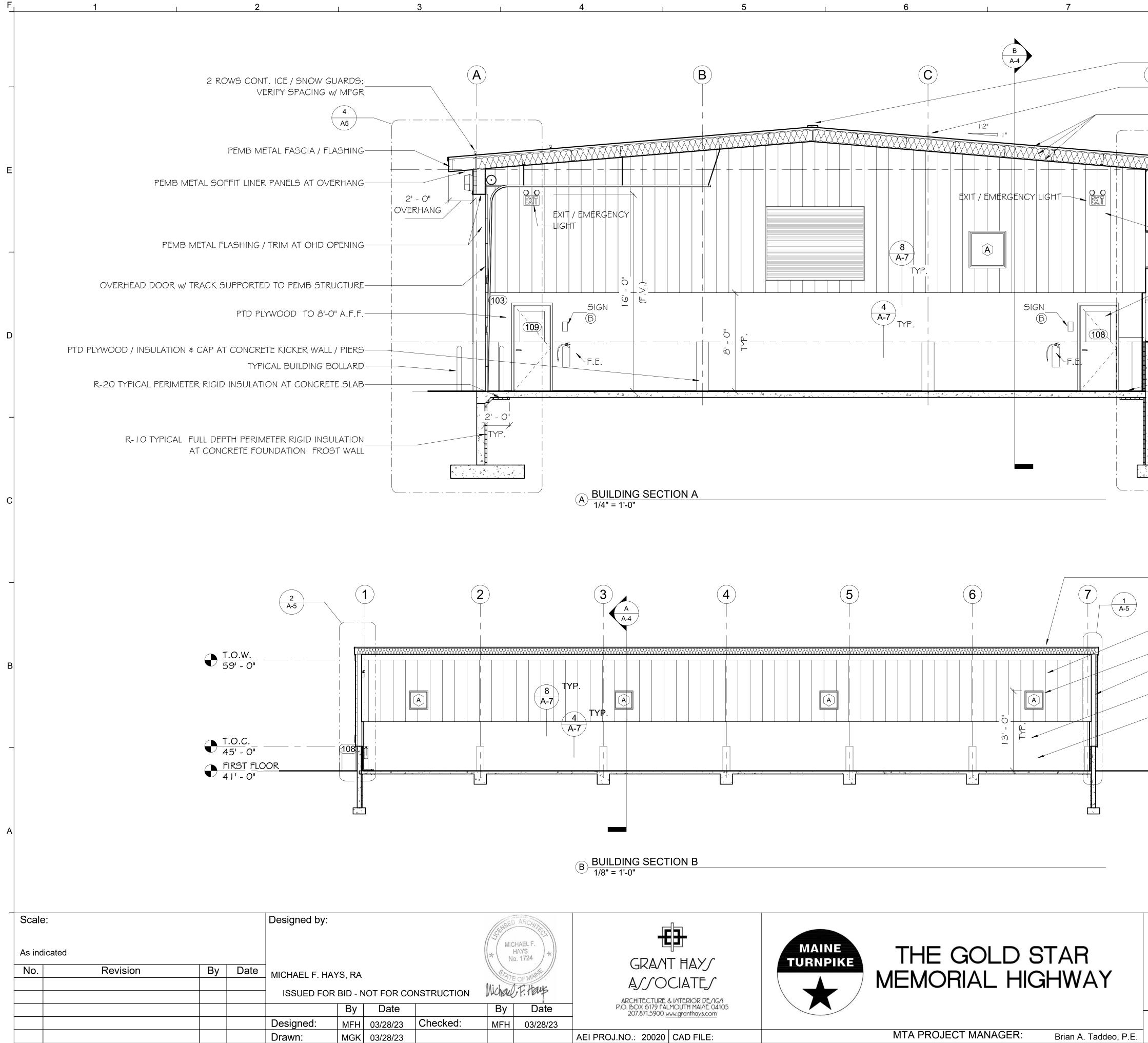
AEI PROJ.NO.: 20020 CAD FILE:

MTA PROJECT MANAGER:

Brian A. Taddeo, P.E.

CONTRACT: 2023.06

14 OF 33



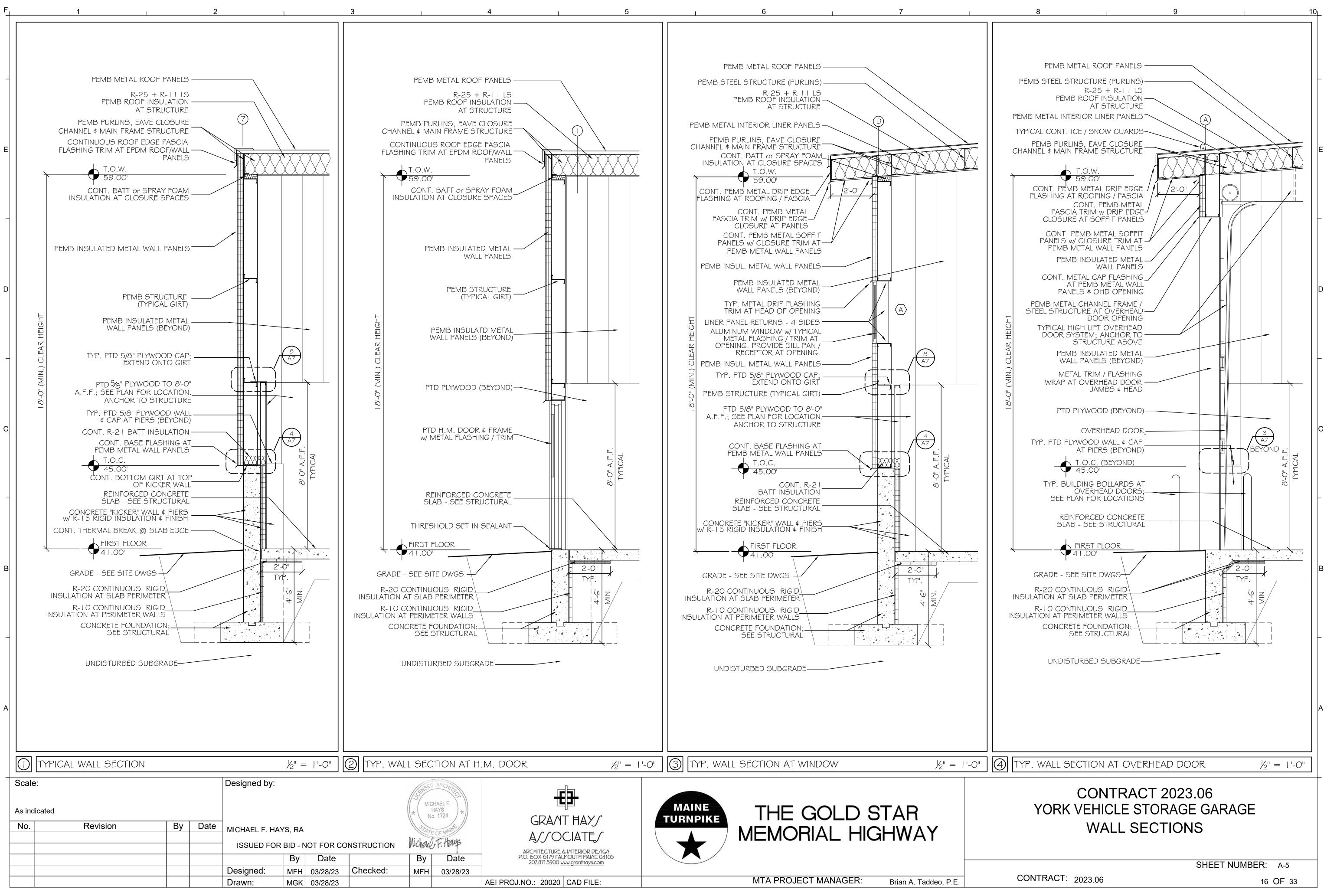
	8		9		10
		PEMB METAL	RIDGE VENT CAP		
D)			AFETY TIE-OFF		-
 	3		ROOFING SYSTEM v NER PANELS AT PEN		
	A5	PEMB METAL	FASCIA / FLASHING		
					E
		PEMB METAL	SOFFIT LINER PANEL	5	
		PEMB INSULA	TEDMETAL WALL PAI	NELS	
Â		TYP. PEMB IN	SULATED METAL WA	LL PANELS (BEYOND)	
			DOW w/ PERIMETER F	LASHING / TRIM	
A A		——PTD H.M. DO	OR FRAME BEYOND)	
13' - 0" . w/ PEMB			AL BASE FLASHING A AT CONCRETE KICK		
					C
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	43 - 0	CONCRETE S	LAB & FOUNDATION	KICKER WALL;	
	<u>FIRST</u> FLOOF	2			
2		GRADE; SEE S	BITE DRAWINGS		
		FOUNDATION	; SEE STRUCTURAL I	DRAWINGS	
4					
					С
		ROOFING SYSTEM			
	PEMB STRUCT		T ANLL AT		-
	TYPICAL PEMB PANELS (BEYO	INSULATED META	L WALL		
		DW (BEYOND) w/ F	LASHING / TRIM		
		ULATED METAL W	ALL PANELS		E
		LYWOOD TO 8'-0"	A.F.F.		
		LYWOOD / INSULA CKER WALL / PIERS			
	GRADE; SEE SI	ITE DRAWINGS			
			YGIG ON CHEET & C	FOR	A
	INSL	JLATED METAL WA	LYSIS ON SHEET A-C LL PANEL MINIMUM		
	INSL	JLATION REQUIRE	VIENIS.		
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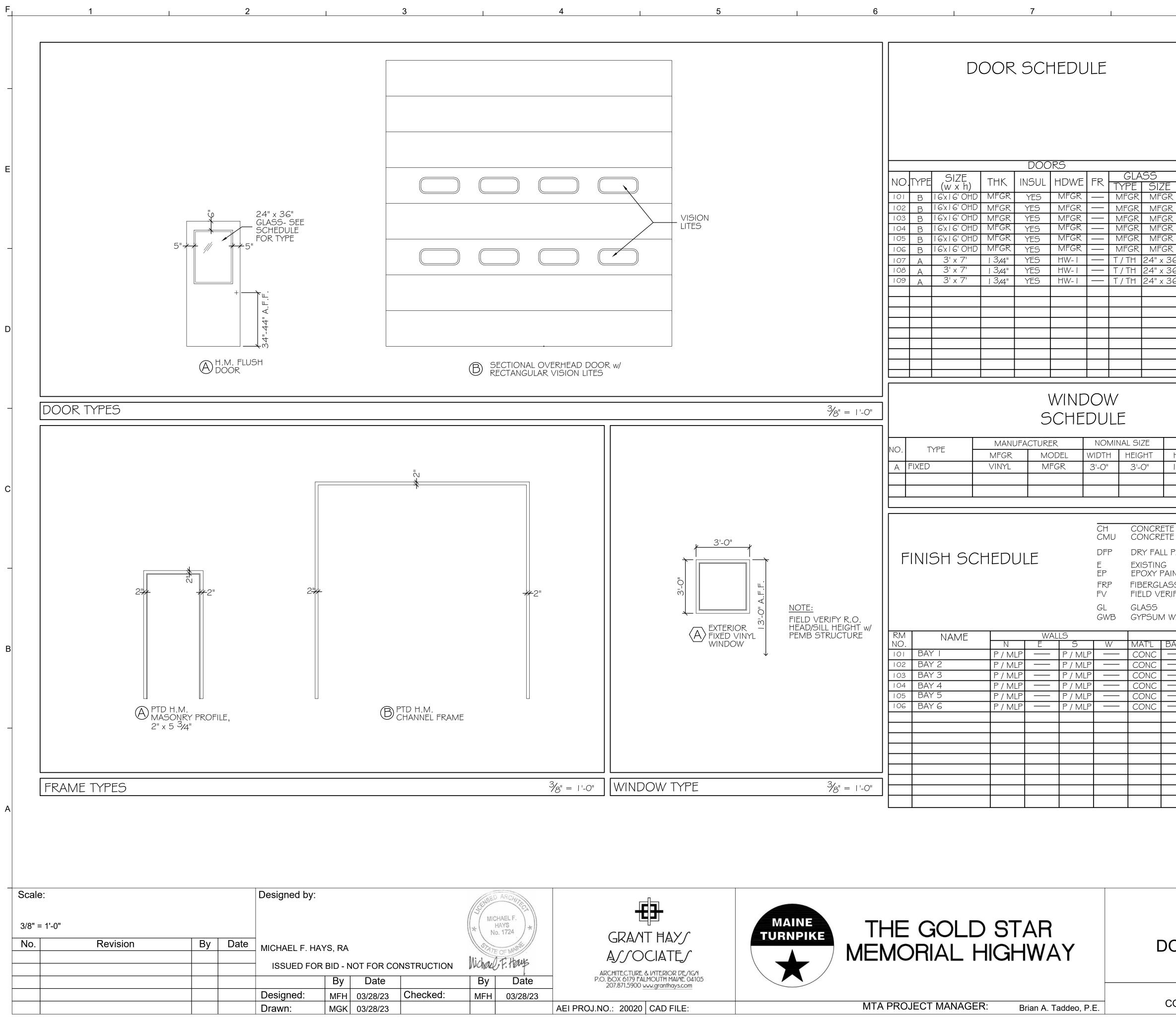
CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE **BUILDING SECTIONS**

SHEET NUMBER: A-4

CONTRACT: 2023.06

15 OF 33



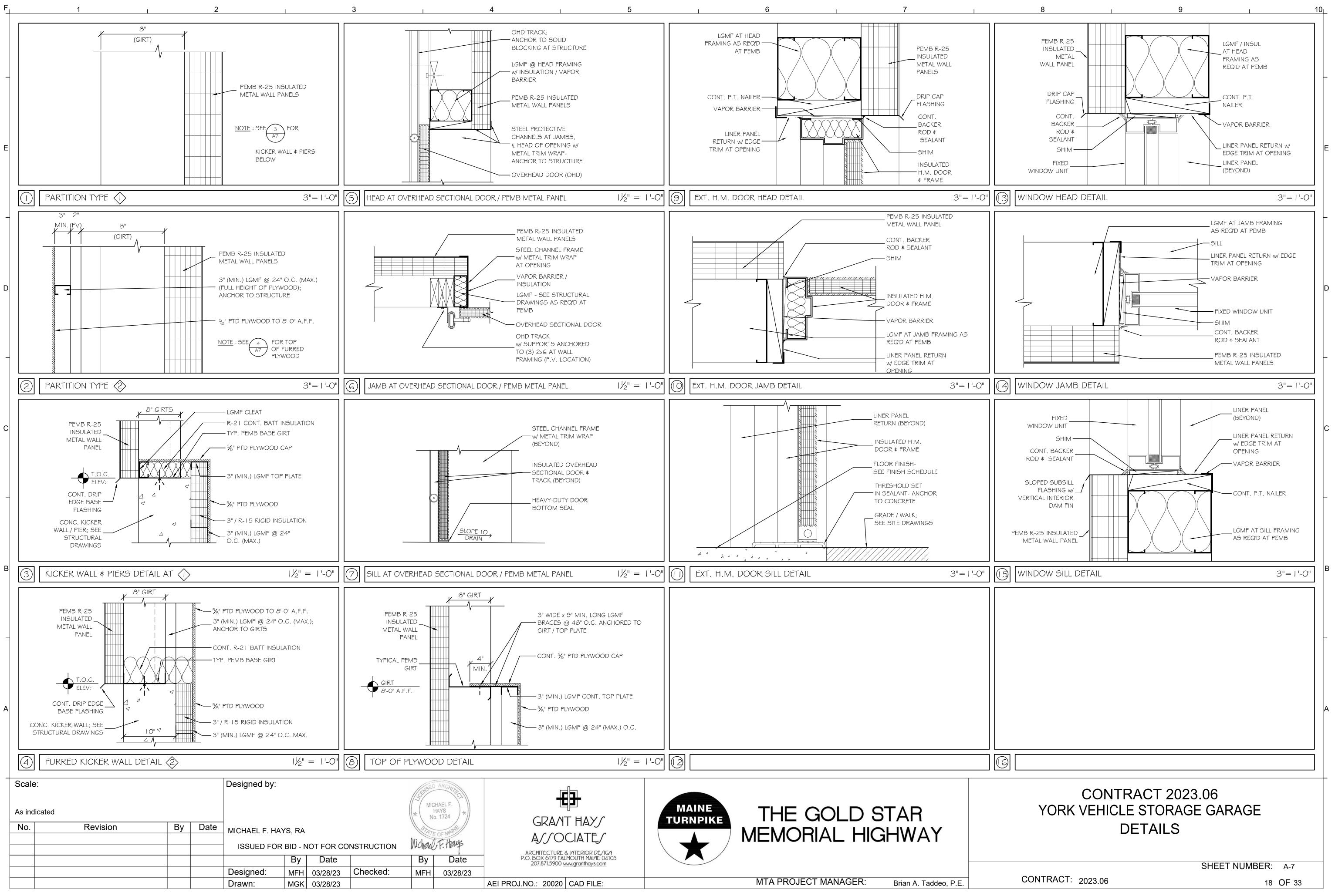


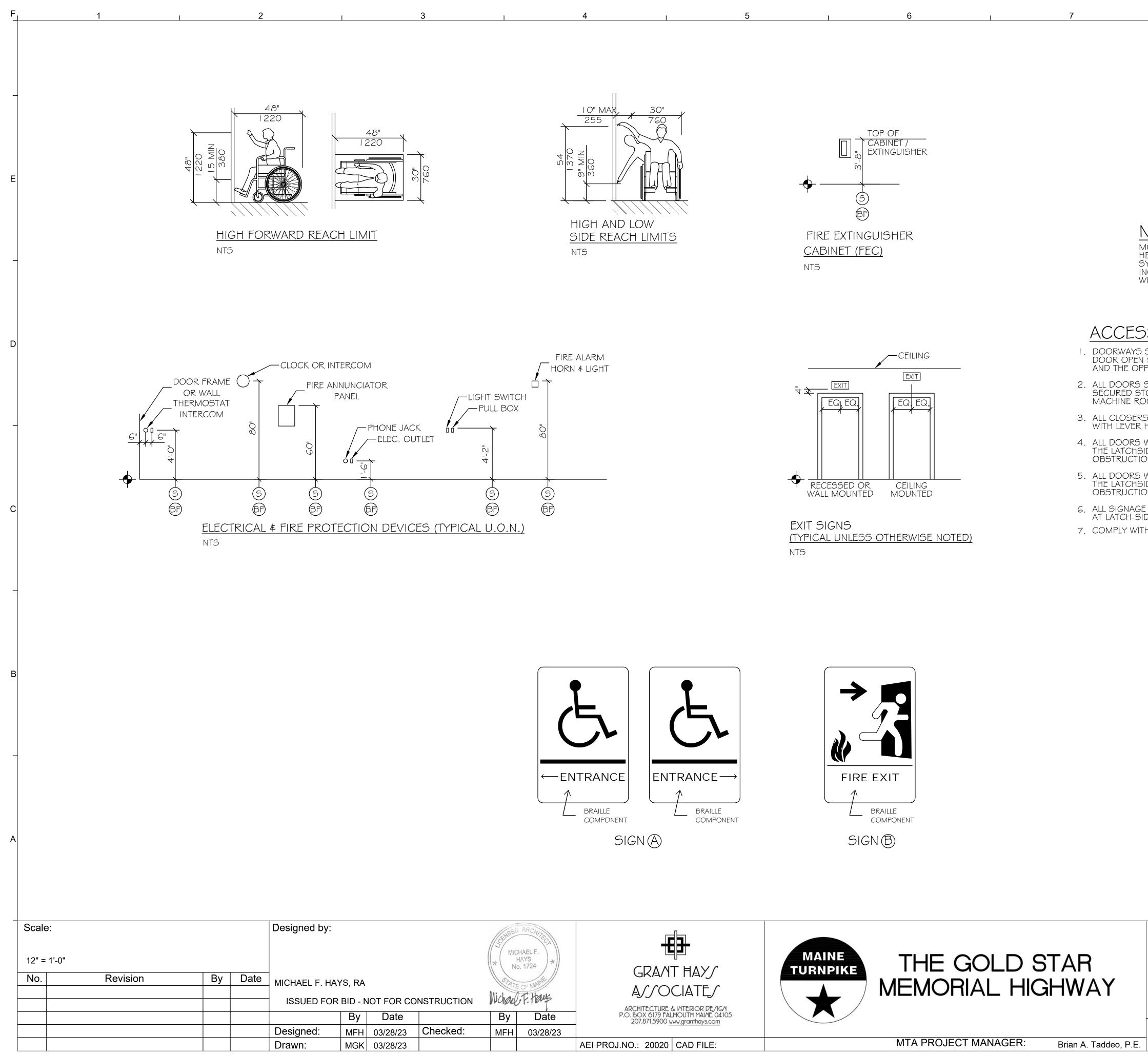
MFGR B MAS 5-A7 6-A7 7-A7 24" x 36" A MAS 9-A7 10-A7 ALUM 11-A7 24" x 36" A MAS 9-A7 10-A7 ALUM 11-A7 11-A7 24" x 36" A MAS 9-A7 10-A7 ALUM 11-A7 11-A7 24" x 36" A MAS 9-A7 10-A7 ALUM 11-A7 11-A7 24" x 36" A MAS 9-A7 10-A7 ALUM 11-A7 MFGR MAS 9-A7 10-				8								9			•	
DW DRYMALL MPGR MANUPACTURER ES EDGE STRIP ODD OVERHEAD COULING DOOR HIDD OPENER T TEMPERED GL GLASS TUPERAT THERMAL INSULATED INSUL INSULATED TS TRANSITION STRIP SIZE REMARKS TYPE FR PROFILE DETAILS SIZE REMARKS TYPE FR PROFILE DETAILS MFGR B MAS S-A7 G-A7 T-7A7 MFGR B MAS S-A7 G-A7 </td <td></td> <td>ABBREV</td> <td>ATIONS</td> <td></td> <td></td> <td></td> <td></td>											ABBREV	ATIONS				
LINING HOLD OPENER T TEMPERED GL GL353 T-REAR THERMAL REAK HM HOLDOV METAL TH INSUL INSULATED TS TRANSITION STRP FRAMES THRESHOLDS SS REMARKS TYPE FR PROFILE DETAILS MFOR B MAS 5-A7 G-A7 — 7-A7 MFOR B MAS 9-A7 10-A7 ALUM 11-A7 — 24'x 36' A MAS 9-A7 10-A7 ALUM 11-A7 — 24'x 36' A MAS 9-A7 10-A7 ALUM 11-A7 —					DW ES		D	RYW DGE	ALL STRIF	D		1AS 1FGR DCD	MANI DVER	JFACTU (HEAD C	OILING	, DOOR
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SIZE REMARKS IYPE FK PROFILE HEAD JAMB MAILENAL SILL FIN MFGR B MAS 5-A7 G-A7									F	RAN				THRE		
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IZE DETAILS IZE <	-Н 	_				-		-	_						_	
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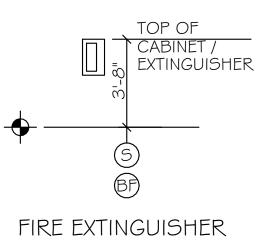
CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE DOOR, WINDOW & FINISH SCHEDULES

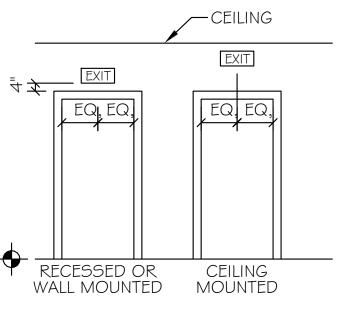
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SHEET NUMBER: A-6









ACCESSIBILITY GENERAL NOTES

- AND THE OPPOSITE STOP.



LEGEND



STANDARD MOUNTING HEIGHT

BARRIER FREE ADULT MOUNTING HEIGHT

-FINISH FLOOR LINE

NOTE

MOUNT ALL FIXTURES AT STANDARD MOUNTING HEIGHT UNLESS INDICATED ON PLAN BY A & SYMBOL. A & SYMBOL AT ANY ROOM SHALL INCLUDE ONE OF ANY FIXTURE AND ACCESSORY WITHIN THE ROOM.

I. DOORWAYS SHALL HAVE A MINIMUM CLEAR WIDTH OF 32" WITH THE DOOR OPEN 90 DEGREES. MEASURED BETWEEN THE FACE OF THE DOOR

2. ALL DOORS SHALL HAVE LEVER HANDLE HARDWARE, EXCEPT AT SECURED STORAGE ROOMS, MECHANICAL ROOMS, AND ELEVATOR MACHINE ROOMS,

3. ALL CLOSERS SHALL BE 5LB PULL MAXIMUM AT DOORS EQUIPPED WITH LEVER HANDLE HARDWARE.

4. ALL DOORS WITH CLOSERS SHALL HAVE 18" CLEAR DISTANCE FROM THE LATCHSIDE OF THE OPENING TO ANY ADJACENT WALL OR OBSTRUCTION ON THE PULL SIDE OF THE OPENING.

5. ALL DOORS WITH CLOSERS SHALL HAVE 12" CLEAR DISTANCE FROM THE LATCHSIDE OF THE OPENING TO ANY ADJACENT WALL OR OBSTRUCTION ON THE PUSH SIDE OF THE OPENING.

6. ALL SIGNAGE SHALL BE MOUNTED 60" AFF TO BRAILLE COMPONENT AT LATCH-SIDE WALL OF DOORS AND OPENINGS. 7. COMPLY WITH 2010 EDITION OF THE AMERICANS WITH DISABILITIES ACT.

CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE **ACCESSIBILITY DETAILS & NOTES**

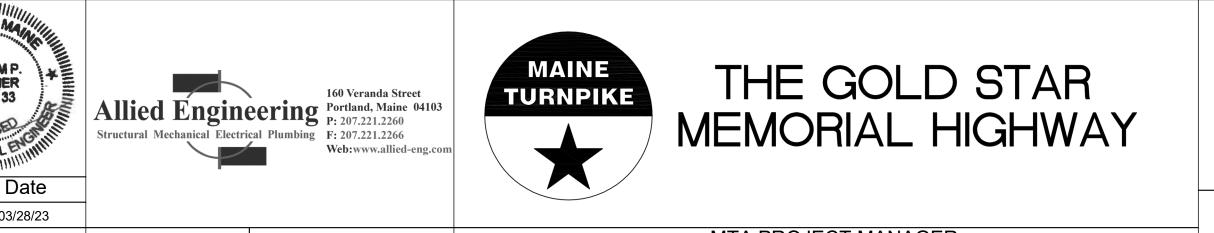
CONTRACT: 2023.06

SHEET NUMBER: A-8

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ECIAL INSPECTIONS	STRUCTURAL NOTES:		CONCRETE NOTES:	<u>GENERAL NOTES:</u>
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 315 "ACI DETAIL MANUAL", AND CRSI "MANUAL OF STANDARD PRACTICE".	 CONTRACTOR SHALL CONFORM TO SAFETY REQUIREMENTS OF THE OWNER, CONTRACT DOCUM OSHA SAFETY AND HEALTH STANDARDS, AND OTHER LOCAL AUTHORITIES IN CONNECTION WITH PERFORMANCE OF THIS PROJECT.
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	 DESIGN CODES: A. INTERNATIONAL BUILDING CODE – 2015 EDITION B. ASCE/SEI 7-10 - MINIMUM DESIGN LOADS FOR BUILDINGS AND 		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.
AND SPECIFICATIONS. INSPECTION REPORTS SHALL BE FURNISHED TO THE OWNER, BUILDING OFFICIAL, ARCHITECT	OTHER STRUCTURES C. AISC SEISMIC DESIGN MANUAL – 2012 D. MBMA'S METAL BUILDING SYSTEMS MANUAL		 CONCRETE SHALL BE: A. FOOTINGS, PIERS AND FOUNDATION WALLS: 3,500 PSI AT (28) DAYS. SLUMP SHALL NOT EXCEED 6 INCHES (W/C RANGE: 0.48 – 0.52) – (AIR ENTRAINED). 	 STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHAN PLUMBING, ELECTRICAL AND CIVIL DRAWINGS AND/OR NARRATIVES, WHICH DESCRIBE THE SCOF WORK.
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.	 DESIGN PARAMETERS: A. <u>ROOF SNOW LOADS</u>: (EXCEPT AT DRIFTING SNOW LOCATIONS 		 B. INTERIOR SLABS-ON-GRADE: (NO AIR) a. MAINTENANCE AREA - 4,000 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 4000 PSI AT (28) DAYS. SLUMP SHALL NOT EXCEED 6-INCHES (W/C = 0.45 – 0.47) – (AIR ENTRAINED). 	4. CONTRACTOR SHALL VISIT THE SITE AT A DESIGNATED TIME APPROVED BY THE OWNER, TO VER EXISTING CONDITIONS, DIMENSIONS, LOCATION OF EXISTING UTILITIES, ETC. CONTRACTOR SHALL
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	AND THOSE LISTED BELOW. PEMB EOR TO DETERMINE WHERE DRIFTING SNOW MAY APPLY.)		4. CONCRETE MATERIALS:	 NOTIFY ENGINEER OF ANY DISCREPANCIES, WITHOUT EXCEPTION. THE STRUCTURE SHALL BE DESIGNED AS A SELF-SUPPORTING SYSTEM ONCE ALL WORK HAS BE COMPLETED. CONTRACTOR IS SOLELY RESPONSIBLE FOR ERECTION PROCEDURES AND SEQUE
STRENGTH TESTING, AND STRUCTURAL FILL PLACEMENT.	 a. GROUND SNOW LOAD: 1. IMPORTANCE FACTOR: 2. COLD ROOF SLOPE FACTOR: 3. THERMAL FACTOR: 	$P_G = 50.0 \text{ PSF}$ $I_s = 1.20$ $C_s = 1.0$ $C_t = 1.10$	 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 SOLUBALE SALTS, IRON SULFIDES, PYRITE, MARCASITE, OR OCHRE WHICH CAN CAUSE STAINS ON EXPOSED CONCRETE SURFACES. C. LIGHTWEIGHT AGGREGATES: ASTM C330 	INSTALLATION TO ENSURE SAFETY OF THE BUILDING AND ITS OCCUPANTS DURING CONSTRUCTI CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS AND TEMPORARY SHORING, PRECAUTIONS DURING BUILDING OPERATIONS, PROTECTION OF PUBLIC AND WORKERS, REMOV
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	 EXPOSURE FACTOR: TERRAIN CATEGORY: 	C _e = 1.0 "B"	 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% 	WASTE MATERIAL, PROTECTION OF ADJACENT PROPERTY, PROTECTION OF HAZARDOUS OPENIN SAFETY PRECAUTIONS, AND SANITARY PROVISIONS OF EMPLOYEES AND SUB-CONTRACTORS, AS REQUIRED, FOR THE DURATION OF THE CONTRACT.
STRUCTURAL JOINTS, PARTS 8 AND 9. 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:B. <u>ROOF DEAD LOAD</u>:	P _f = 46.2 PSF 20 PSF (INCL. 8.0 PSF, FOR FUTURE SOLAR ARRAY)	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.	6. WORK SHALL BE DONE IN AN ORDERLY AND PROFESSIONAL MANNER. CONTRACTOR IS RESPONS FOR COORDINATING ALL WORK TO BE DONE BY SUB-CONTRACTORS, LOCAL AUTHORITIES, STATI AGENCIES AND/OR UTILITY COMPANIES WHICH MAY HAVE JURISDICTION OVER THIS PROJECT.
FIELD-WELDED CONNECTIONS: PERFORM TESTING IN ACCORDANCE WITH ANSI/AWS D1.1.	C. <u>ROOF LIVE LOAD:</u>		5. PROVIDE METAL OR CONCRETE SLEEVES WHERE PIPES PASS THROUGH CONCRETE WALLS OR SLABS.	7. UTILITY EXTENSIONS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH STATE AND LOCAL CO
CHAPTER 6. CONDUCT TESTING OF 10% OF WELDS ON STRUCTURAL STEEL BY DYE PENETRATION OR	a. STANDARD ROOF LIVE LOAD: D. <u>FLOOR LIVE LOADS</u> :	20 PSF	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 315-LATEST EDITION.	8. CONTRACTOR SHALL REVIEW AND SUBMIT COMPLETE SHOP DRAWINGS FOR ALL SPECIFIED PAR THE WORK. NO PORTION OF THE WORK COVERED BY THESE SHOP DRAWINGS SHALL COMMENCI RETURNED APPROVED SHOPS ARE RECEIVED BY CONTRACTOR. SHOP SUBMITTAL PACKAGES S
MAGNETIC PARTICLE TESTING. CONDUCT TESTING OF 100% OF GROOVE, PLUG, OR SLOT WELDS IN STRUCTURAL STEEL BY ULTRASONIC TESTING OR OTHER NONDESTRUCTIVE TESTING, APPROVED BY ENGINEER OF	a. OFFICE BUILDINGS 1. VEHICLE MAINTENANCE FLOOR – DESIGN		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 315-LATEST EDITION. DAMAGE IN SURFACE COATING SHALL BE LIMITED TO LESS THAN 2 PERCENT DAMAGED COATING IN EACH 12-INCH BAR LENGTH	A. SITE: SHORING AND CONSTRUCTION METHODS/SEQUENCING, WHERE APPLICABLE.
RECORD. RADIOGRAPHICALLY TEST 5% OF ALL FULL-PENETRATION WELDS.	FOR TRUCKS AND BUSES PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS; HOWEVER, PROVISIONS FOR FATIGUE AND DYNAMIC LOAD ALLOWANCE HAVE NOT BEEN APPLIED.		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.	B. CONCRETE: MIX DESIGNS, ADMIXTURES, MIX HISTORIES; REBAR ORIGIN STRENGTH/GRADE REBAR PLACEMENT DRAWINGS.
THE STRUCTURAL FABRICATOR AND ERECTOR SHALL SCHEDULE ALL WORK TO ALLOW THE ABOVE INSPECTION AND TESTING REQUIREMENTS TO BE COMPLETED.	E. <u>WIND:</u> a. FACTORS:		9. WELDING OF REINFORCEMENT IS NOT PERMITTED.	C. COLD-FORMED METAL FRAMING: COLD-FORMED METAL CUT SHEETS, CONNECTIONS, PLAC DRAWINGS ALONG WITH HEADER/JAMB AT OPENINGS AND FRAMING ELEMENT CALCULATIC SIGNED BY A PE, REGISTERED IN THE PROJECT STATE.
OF TIE-OFF ANCHOR NOTES:	 ASCE-7-10 EXPOSURE CATEGORY: 	V _{ult} = 132 MPH B	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.	D. PRE-ENGINEERED BUILDING: PRE-ENGINEERED BUILDING CALCULATIONS AND DRAWINGS, FRAMING COMPONENTS AND CONNECTIONS, ALL SEALED BY A PE REGISTERED IN THE PRO
PEMB DESIGN SHALL INCLUDE DESIGN CALCULATIONS AND ALL SUPPLEMENTAL STRUCTURAL FRAMING INTERGRAL WITH THE PEMB DESIGN AT THESE LOCATIONS. SYSTEM SHALL BE	3. BUILDING HEIGHT: F. <u>SEISMIC:</u>	<30′	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.	STATE.
DESIGN FOR A 5,000 # HORIZONTAL LOADING APPLIED IN ANY DIRECTION AT THE TOP OF THE TIE-OFF ANCHORAGE SYSTEM.	a. DESIGN DATA: 1. BUILDING RISK CATEGORY:	IV – ESSENTIAL FACILITY	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, AL WITH APPLICABLE FRAMING COMPONENT AND CONNECTION CALCULATIONS, ALL SEALED E REGISTERED IN THE PROJECT STATE.
PROVIDE GUARDIAN FALL PROTECTION CB-18 ROOF ANCHORS (OR EQUAL) DIRECT CONNECTED TO PRE-ENGINEERED BUILDING ROOF.	 MAPPED RESPONSE SPECTRAL ACC. (0.2 SEC.): MAPPED RESPONSE SPECTRAL ACC. (1.0 SEC.): SOIL SITE CLASSIFICATION: DESIGN RESPONSE SPECTRAL ACC. @ 5% 	S _S = 0.265G S ₁ = 0.08G D	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 DISTURE NEW CONSTRUCTION; SUCH REPAIRS SHALL MATCH EXISTING TO THE OWNER'S SATISFACTION.
JNDATION NOTES:	DAMPED DESIGN:	S _{DS} = 0.281G S _{D1} = 0.127G	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/MATE
THE SITE SHALL BE PREPARED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY S.W. COLE ENGINEERING, INC., DATED MAY 27, 2020. NET ALLOWABLE BEARING USED FOR DESIGN IS 2.0 KSF PER REPORT REFERENCED ABOVE. BEARING PRESSURE SHALL	 SEISMIC DESIGN CATEGORY: BASIC SEISMIC FORCE-RESISTING SYSTEM: SEISMIC BASE SHEAR: 	C H1 (SEE BELOW) 26 KIPS	 PROVIDE IN SLABS-ON-GRADE: (2) #4 EPOXY COATED BARS, 4'-0" LONG, AT EACH REENTRANT CORNER AND BOTH SIDES OF EACH DOOR OPENING. 	TO REMAIN THE PROPERTY OF THE OWNER WITH THE OWNER'S REPRESENTATIVE.11. SPECIAL INSPECTIONS, AS REQUIRED BY IBC 2015 SECTION 1704, SHALL BE PERFORMED BY AN
BE VERIFIED BY THE OWNER'S TESTING AGENCY PRIOR TO PLACING FOOTING CONCRETE.	 9. SEISMIC RESPONSE COEFFICIENT 10. ANALYSIS PROCEDURE: 	Cs = 0.124 <u>EQUIVALENT LATERAL</u> <u>FORCE PROCEDURE</u>	16. COORDINATE SLAB DEPRESSIONS AND ALL INTERIOR FLOOR SLOPES TO DRAIN LOCATIONS WITH ARCHITECTURAL DRAWINGS.	INSPECTION AGENCY CONTRACTED BY THE OWNER FOR THE FOLLOWING ELEMENTS: 1. CONCRETE/FOUNDATIONS: REBAR PLACEMENTS FOR CONFORMANCE WITH CONTRACT
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.	DOCUMENTS, CONCRETE DELIVERY TICKET MIX CONFIRMATION, VOLUME TEST SAMPLES I CONCRETE PLACEMENTS WITH 7, 14, AND 28 DAY BREAK TEST RESULTS.
10 MIL VAPOR BARRIER REQUIREMENTS BENEATH SLABS THROUGHOUT. UNDERDRAINS SHALL BE PLACED AS SHOWN ON THE SITE DRAWINGS. UNDERDRAINS SHALL	1. STEEL SYSTEMS NOTE SPECIFICALLY DETAILED		18. ANCHOR BOLTS SHALL CONFORM TO ASTM A1554 – GRADE 36 UNLESS NOTED OTHERWISE ON PLAN.	2. SOILS: COMPACTION TESTING AND GRADATION CONFIRMATION
BE INSTALLED TO POSITIVELY DRAIN TO A SUITABLE DISCHARGE POINT AWAY FROM THE STRUCTURE. REFER TO SITE DRAWINGS FOR ADDITIONAL INFORMATION.	FOR SEISMIC RESISTANCE A. RESPONSE MODIFICATION B. SYSTEM OVERSTRENGTH FACTOR	R = 3 $\Omega_0 = 3$	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.	 STEEL INCLUDING PEMB BUILDING FRAMING: STEEL PLACEMENTS FOR CONFORMANCE V CONTRACT DOCUMENTS, 100% OF BOLTED CONNECTIONS TESTING, 10% OF FIELD WELDE CONNECTIONS.
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.	C. DEFLECTION AMPLIFICATION FACTOR	C _D = 3		
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.				
CONCRETE SHALL NOT BE PLACED ON FROZEN GROUND OR IN WATER.				

Scale	:			Designed by:				MINISTATE	OFM
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				Designed:	WPF	03/28/23	Checked:	WPF	03
				Drawn:	CMW	03/28/23			



AEI PROJ.NO.: 20020 CAD FILE: 20020S_R20.rvt

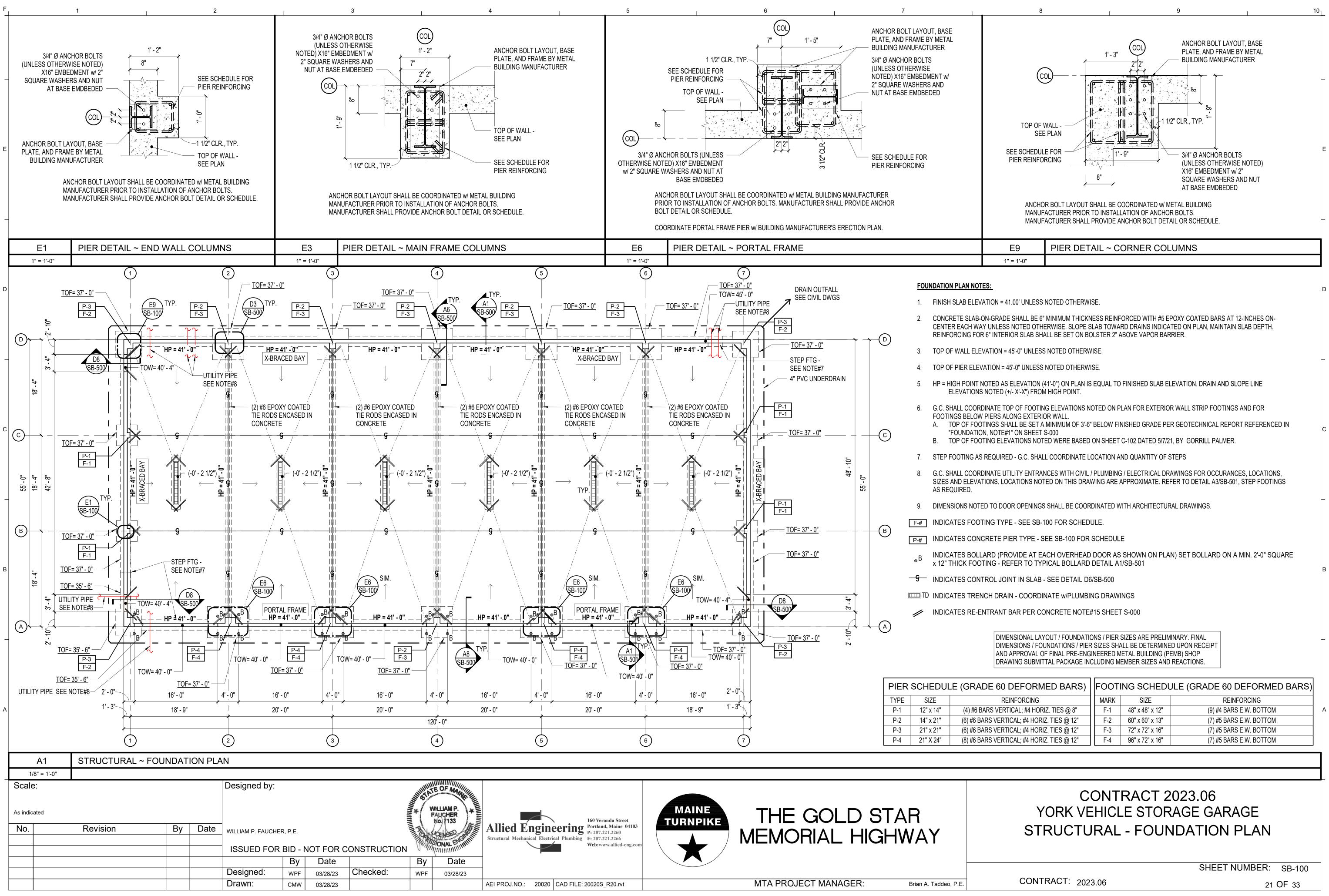
MTA PROJECT MANAGER:

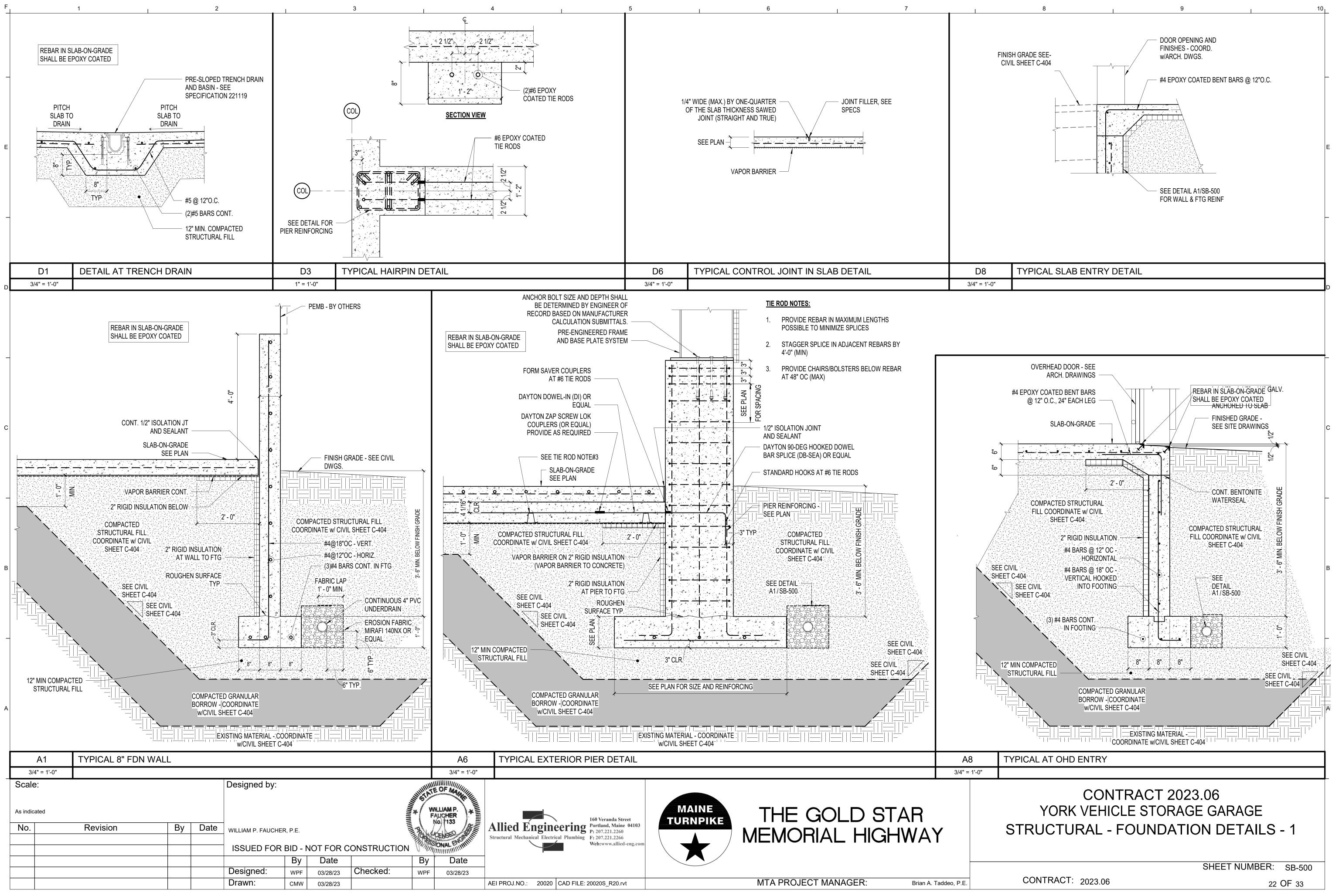
Brian A. Taddeo, P.E.

CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE STRUCTURAL - GENERAL INFORMATION

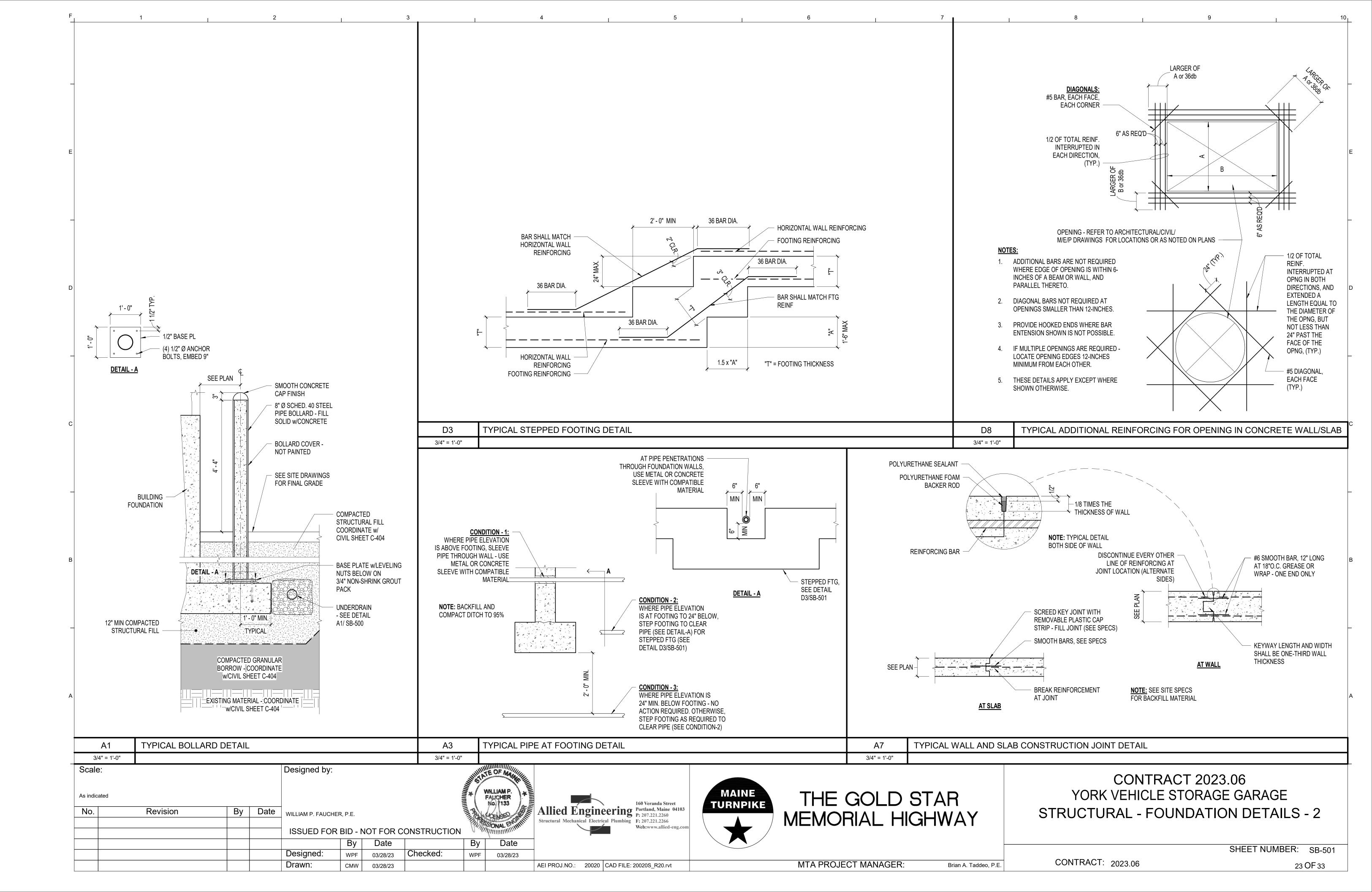
CONTRACT: 2023.06

SHEET NUMBER: S-000









F +		1	2		3		I
		PIPE ELBOW TURNED DN	14		BALANCING VALVE		□ FI
	0	PIPE ELBOW TURNED UP		~	CIRCUIT SETTER		FI
		PIPING TEE DOWN	(\overrightarrow{V}	AIR VENT ~ REFER TO SPECIFICATIONS		- 12x8
		PIPING TEE UP		_	STRAINER WITH BLOWD	OWN	
	0	PIPE RISER		,	VALVE AND CAP		
		45° ELBOW DOWN	4		RELIEF/SAFETY VALVE		
		PIPING TO BE REMOVED	(P	PRESSURE GAUGE		
]				WITH COCK		L
Е		DIRECTION OF FLOW		RV	PRESSURE REDUCING		
		PIPE PITCHES DOWN			VALVE		
			(D	PUMP ~ POINT OF TRIANGLE INDICATES		
					DIRECTION OF FLOW		
		BACKFLOW PREVENTER		G	GAS SHUT-OFF VALVE		
_		FLEXIBLE CONNECTION SHUT-OFF/ISOLATION VALVE REFER TO SPECIFICATIONS			HOSE END DRAIN VALVE W/CAP		
	¢	GATE VALVE ~ OUTSIDE SCREW & YOKE (OS&Y)			THERMOMETER WITH C	ОСК	
		GLOBE VALVE		S	SOLENOID VALVE		
		LOCKABLE BALL VALVE	[DP	DIFFERENTIAL PRESSU	RE	
D	X	2-WAY CONTROL VALVE			TRANSMITTER		
	¥	3-WAY CONTROL VALVE		HB/WHYD	HOSE BIB/WALL HYDRAI	NT	
	Ť			FCO	FLOOR CLEANOUT		
		CHECK VALVE		wco	WALL CLEANOUT		
	D1	SYMBOLS LEGEND					
-	NONE						
	——AW——	ACID WASTE	—HCR—		OL RETURN		REFRIGE
	—ATV—	AIR RELIEF				RS	REFRIGE
с	—BBD—	BOILER BLOWDOWN CONDENSATE	—HPWR— —HPWS—		MP WATER RETURN MP WATER SUPPLY	—RO —RW	REVERSE RAIN WAT
	C	(HVAC DRAIN PAN)	—HPC—	_	ESSURE CONDENSATE	—	RAIN WAT
	—-CA—	COMPRESSED AIR	—HPS—	HIGH PRE	ESSURE STEAM	—RWO—	RAIN WAT
	CHWR	CHILLED WATER RETURN	-HTWR-	HIGH-TEN	MP HOT WATER RETURN	—RWO—	RAIN WAT
	—CHWS— CTR·		—HWR—		FER RETURN	SP	SPRINKLE
_	CTK	COOLING TOWER RETURN	—HWS—		TER SUPPLY	—SWR— —SWS—	SOLAR W
	CWR	CONDENSER WATER RETURN	—IND—	INDUSTR	IAL WASTE	— —TP	SOLAR W
	—CWS—	CONDENSER WATER SUPPLY	——IW——	INDIRECT	T WASTE	— — TP— —	
		DOMESTIC COLD WATER	—LN	LIQUID N	ITROGEN	—TWR—	
		DOMESTIC HOT WATER	—LOX—	LIQUID O	XYGEN	—TWS—	TEMPERE
		DOMESTIC HOT WATER RECIRC.	—LP	LIQUID P	ETROLEUM GAS	V	TEMPERE
в	—D		—LPR—	LOW PRE	ESSURE CONDENSATE		0/11/17/11
		DRAIN	—LPS—	LOW PRE	ESSURE STEAM	VAC	SANITARY
	—FM—		—_MA	MEDICAL	AIR	VC	VACUUM (VACUUM (
	—FOF—		—MPR—	MEDIUM	PRESSURE CONDENSATE	_	
	—FOR—		—MPS—		PRESSURE STEAM		
	—FOS—	FUEL OIL SUPPLY	—MUW—	MAKE-UP	-		SANITARY
_	—FOV—	FUEL OIL TANK VENT	—_N2—	NITROGE			SANITARY
	—-FW—	FEEDWATER	—_NG—_	NATURAL			SANITARY
	—GR	GLYCOL RETURN	NO	NITROUS		WV	SANHARY
	—_GS—	GLYCOL SUPPLY	—NPW—		ABLE WATER		
	—GW	GREASE WASTE	——OX——	OXYGEN			
	—GWR—	GEOTHERMAL WATER RETURN	—_PC—		CONDENSATE		
A	—GWS—	GEOTHERMAL WATER SUPPLY			S COLD WATER RETURN		
	——H——	HUMIDIFICATION LINE	-PCWS-		S COLD WATER SUPPLY		
	—H2—	HYDROGEN GAS	RD		RANT DISCHARGE		
-	A1	PIPING LINETYPE LEGEND					
	NONE						
+	Scale:	_ I	De	signed by	r. // /		

12" = 1'-	-0"					All	brig of		THONY S. DAVIS No. 8834
No.	Revision	By	Date	ANTHONY S. DAVIS,	P.E.			B	CENSED B
				ISSUED FOR	BID - N		ONSTRUCTION		SONAL ENGINITY
					By	Date		By	Date
				Designed:	HAG	03/28/23	Checked:	ASD	03/28/23
				Drawn:	REW	03/28/23			

	4		5		6	7	
FD	FLOOR DRAIN		(DUCT/PIPE CAP (SINGLE/DOUBLE LINE)	() EF	ROOFTOP EXHAUST FAN
x8S	DUCTWORK ~ FIRST SIDE SHOWN IN INCH S= SUPPLY, R= RETU	HES			VOLUME DAMPER		CEILING SUPPLY DIFFUSER
I	E= EXHAUST AIR, OA F.O. = FLAT OVAL					\square	CEILING RETURN GRILLE
I	ACCOUSTICAL LININ				FIRE DAMPER		CEILING EXHAUST GRILLE
	DIMENSION FOR NET AREA)				SMOKE DAMPER	Ð	POINT OF CONNECTION - EXISTING TO NEW
	DUCT TRANSITION				FIRE AND SMOKE DAMPER		DIRECTION OF AIR FLOW
	SQUARE TO ROUND TRANSITION	DUCT	L L		BACKDRAFT DAMPER	S1 1 100	REGISTER, GRILLE & DIFFUSE -DIFFUSER, REGISTER OR GRI -QUANTITY
~~~-)	FLEX DUCT			BDD			-CFM AIR FLOW
	SUPPLY DUCT TURN	ED UP/DN		M	MOTORIZED DAMPER	FT-1	<u>FINTUBE TAG</u> -FINTUBE No. -LENGTH -GPM
	RETURN DUCT TURN	NED UP/DN			FLEXIBLE CONNECTION		VAV TAG
	EXHAUST DUCT TUR	NED UP/DN		$(\underline{T})$ (S)	TEMPERATURE SENSOR OR THERMOSTAT (AS SPECIFIED)	VAV-1	—VAV No. —MINIMUM CFM —MAXIMUM CFM
	ROUND DUCT TURNE	ED UP/DN		H	HUMIDISTAT OR HUMIDITY SENSOR (AS SPECIFIED)	2.1-	-GPM <u>EQUIPMENT TAG</u>
	MITERED DUCT ELBO			Co2	CARBON DIOXIDE SENSOR		-TYPE DESIGNATOR -NUMBER
	W/TURNING VANES			Co	CARBON MONOXIDE SENSOR	>	EQUIPMENT TAG (ON FLOOR/I
	RADIUS DUCT ELBO	N		AP	ACCESS PANEL		-TYPE DESIGNATOR -NUMBER
I				DSD	DUCT SMOKE DETECTOR		

RANT LIQUID					
RANT SUCTION	AAV	AUTOMATIC AIR VENT	ENC	ENCLOSURE	MBH
E OSMOSIS WATER	<u>AD</u>	ACCESS DOOR	ERU	ENERGY RECOVERY UNIT	MFR
TER - ABOVE FLOOR	AFF; A.F.F.	ABOVE FINISHED FLOOR	ET	EXPANSION TANK	MIN
TER - BELOW GRADE	AHU	AIR HANDLING UNIT	(E)	EXISTING	MOD
TER OVERFLOW - ABOVE FLOOR	<u>AP</u>	ACCESS PANEL	FC	FLEXIBLE CONNECTION	MTD
TER OVERFLOW - BELOW GRADE	APPROX.	APPROXIMATE; APPROXIMATELY	<u>FCO</u>	FLOOR CLEANOUT	MTG
ER MAIN PIPING	ATC	AUTOMATIC TEMPERATURE CONTROL	<u>FD-#</u>	FLOOR DRAIN TAG	MUA
ATER RETURN	AV	AIR VENT	FD	FIRE DAMPER	N.C.
VATER SUPPLY	BDD	BACKDRAFT DAMPER	FTG	FOOTING	N.O.
IMER - ABOVE FLOOR	BFP	BACKFLOW PREVENTER	GC	GENERAL CONTRACTOR	NG
IMER - BELOW GRADE	BLDG	BUILDING	GPM	GALLONS PER MINUTE	NIC
ED WATER RETURN	BOD	BOTTOM OF DUCT	GRV	GRAVITY ROOF VENTILATOR	NPT
ED WATER SUPPLY	CONV.	CONVECTOR	Н	HUMIDIFIER	NTS
Y SOIL VENT - ABOVE FLOOR	CFM	CUBIC FEET PER MINUTE	<u>HB</u>	HOSE BIBB	OD
Y SOIL VENT - BELOW GRADE	CLG	CEILING	HC; HDC	HANDICAP ACCESS	OED
(AIR)	<u>CO</u>	CLEANOUT	HGT; HT	HEIGHT	<u>P-#</u>
CLEANING (HOUSE)	CONN	CONNECT; CONNECTION	HP	HEAT PUMP	PRS
PUMP DISCHARGE	CONT.	CONTINUE; CONTINUATION	HRU	HEAT RECOVERY UNIT	RD
Y SOIL WASTE - ABOVE FLOOR	COORD.	COORDINATE	HVAC	HEATING, VENTILATING AND AC	RHC
Y SOIL WASTE - BELOW GRADE	CTE	CONNECT TO EXISTING	HW	HOT WATER	RM
Y WET VENT - ABOVE FLOOR	CTR	CENTER	HWR	HOT WATER RETURN	RPZ
Y WET VENT - BELOW GRADE	CU	COPPER; CONDENSING UNIT	HWS	HOT WATER SUPPLY	RR
	DDC	DIRECT DIGITAL CONTROL	HX	HEAT EXCHANGER	RV
	DIC	DOWN IN CHASE	INCL.	INCLUDING	RW
	DIW	DOWN IN WALL	LP	LIQUID PETROLEUM GAS	S
	DN	DOWN	LPR	LOW PRESSURE STEAM RETURN	SA-" "
	EF	EXHAUST FAN	LPS	LOW PRESSURE STEAM SUPPLY	
	ELEV	ELEVATION	MAX	MAXIMUM	SCV
	A5	ABBREVIATIONS			
	NONE				



Allied Engineering ¹⁶⁰ Veranda Street Portland, Maine 04103 P: 207.221.2260 nical Electrical Plumbing F: 207.221.2266 Web:www.allied-eng.com



THE GOLD STAR MEMORIAL HIGHWAY

AEI PROJ.NO.: 20020 CAD FILE:

MTA PROJECT MANAGER:

## CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE PLUMBING AND HVAC NOTES, LEGEND AND ABBREVIATIONS

CONTRACT: 2023.06

SHEET NUMBER: P-000

24 OF 33

MAKE UP AIR 1UA TTS TIGHT TO STEEL NORMALLY CLOSED TYP TYPICAL 1.C. I.O. NORMALLY OPEN UH UNIT HEATER NATURAL GAS UIC UP IN CHASE NG UP IN WALL NOT IN CONTRACT UIW VIC NATIONAL PIPE THREAD VACUUM VAC NPT NOT TO SCALE VCFF VALVE & CAP FOR FUTURE ITS OUTSIDE DIAMETER W/ WITH OD WET BULB TEMPERATURE, °F OPEN ENDED DUCT WB )ED WALL CLEANOUT WCO PLUMBING FIXTURE TAG **^_#** WATER HEATER PRESSURE REDUCING STATION WΗ PRS WHYD WALL HYDRANT ROOF DRAIN RD REHEAT COIL RHC ROOM RM RPZ REDUCED PRESSURE BFP **RETURN REGISTER** RR RELIEF VALVE RV RAIN WATER RW SUPPLY AIR S SHOCK ABSORBER OF PDI SIZE A-" " (" ") AS INDICATED SCV SELF-CONTAINED VALVE

SNATOR <u>TAG</u> (ON FLOOR/ROOF ABOVE)

1000 BTUH/hr.

MINIMUM

MOUNTED

MOUNTING

MANUFACTURER

MOTOR OPERATED DAMPER

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.

SPLR SPRINKLER

SQ. FT; SF SQUARE FEET

TD

<u>TP</u>

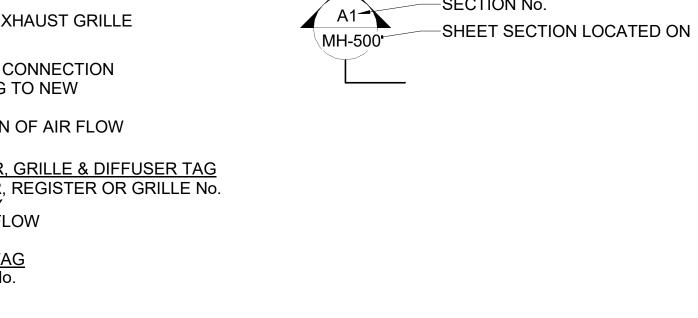
TSP

S.S. STAINLESS STEEL

TRENCH DRAIN

TOTAL STATIC PRESSURE

TRAP PRIMER



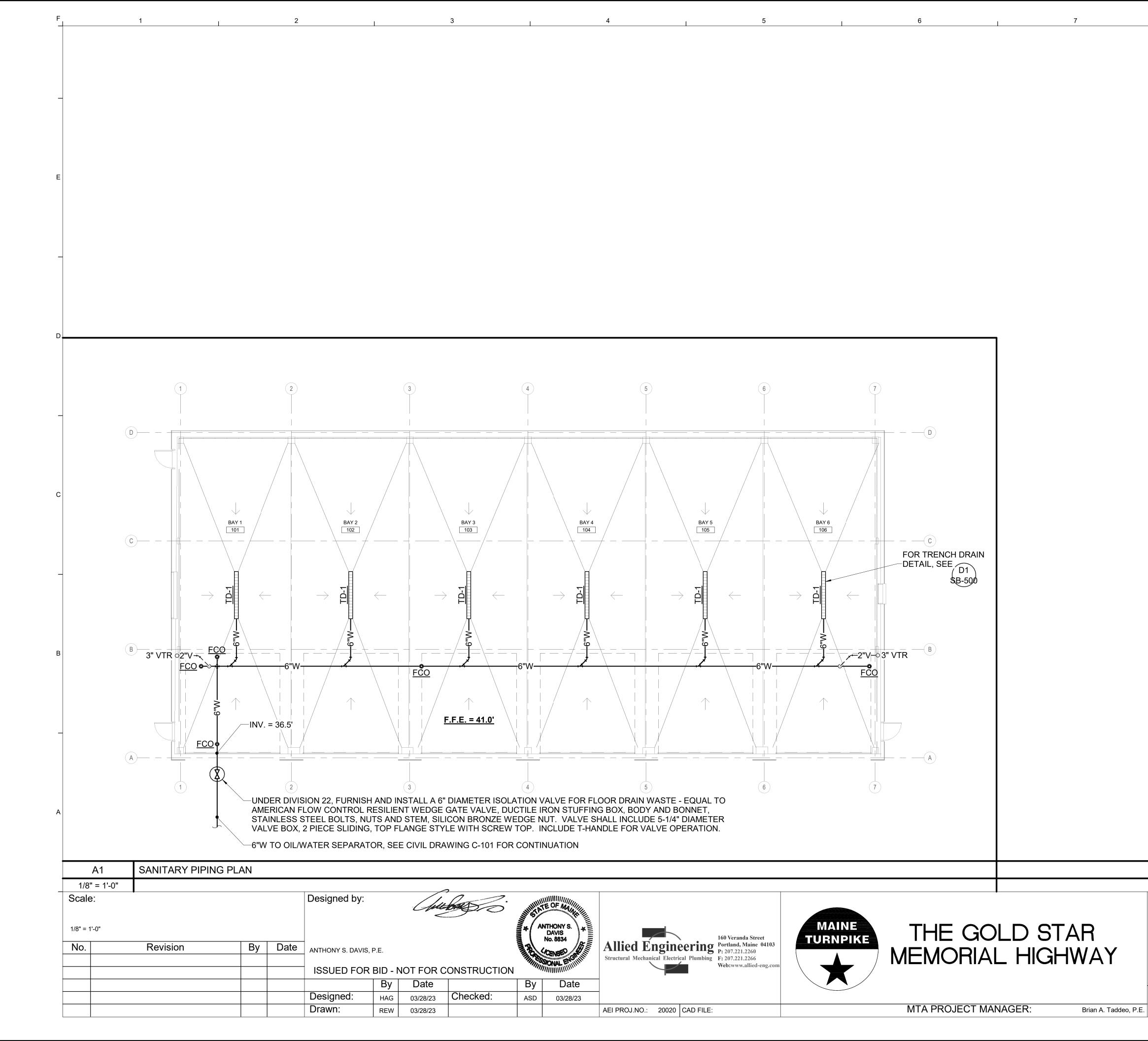
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DETAIL REFERENCE SYMBOL A1-\MH-100⁻

-DETAIL No. -SHEET DETAIL LOCATED ON SECTION REFERENCE SYMBOL -SECTION No.

9

<u>NOTE</u>



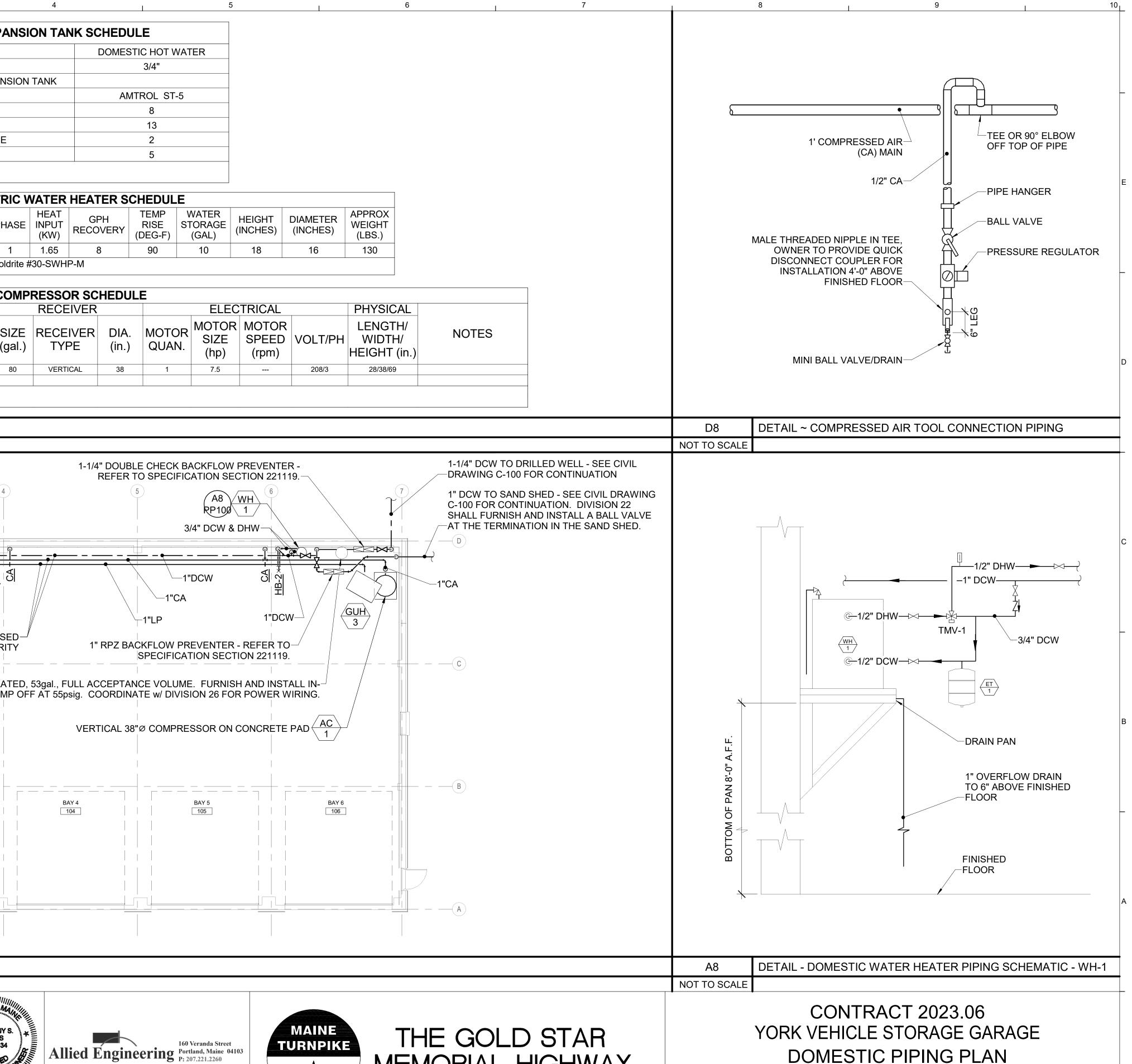
CONTRACT: 2023.06

SHEET NUMBER: PL-100

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CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE SANITARY PIPING PLAN

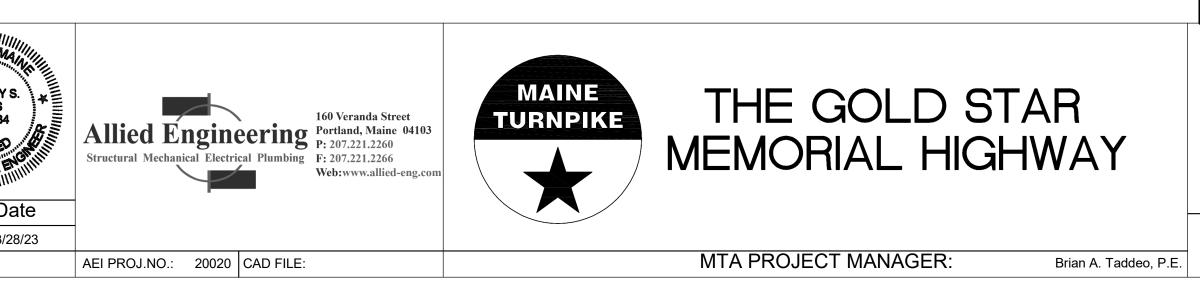
F	1	1	2	1		3	I	4	1	5	6	I
							EXPANSIO	N TANK SCH	IEDULE			
						SYSTEM		DC	DMESTIC HOT WATER			
						PIPE SIZE	PE EXPANSION TA	NK	3/4"			
_						MFR-MODEL			AMTROL ST-5			
						TANK DIAMET			8			
						TANK HEIGHT ACCEPTANCE			13 2			
						WEIGHT LBS			5			
_												
							ELECTRIC WA	TER HEATE	RSCHEDULE			
				TAG	MANUFACTURE		F	EAT GPH	TEMP WATER	HEIGHT DIAMETER	APPROX WEIGHT	
				WH-1	AO SMITH	EJC-10	( 120 1	KW) RECOVI 1.65 8	ERYINSESTORAGE(DEG-F)(GAL)9010	(INCHES)(INCHES)1816	(LBS.) 130	
_				Note: Wa	ter Heater susper	nded in wall pan shelf e	qual to Holdrite #30	-SWHP-M				
							AIR COMPRI					
								RECEIVER	ELE		PHYSICAL LENGTH/	
		TAG MAN	IUFACTURE	R MODEL	TYPE	FLOW EA. PU PUMP PRE			DIA. MOTOR (in.) QUAN. (hp)	SPEED VOLT/PH	WIDTH/	NOTES
D						(acfm) (ps			(np)		HEIGHT (in.)	
	_	AC-1 IN	IGERSOLL RAND	2475N7.5	2-STAGE RECIP	24 17	75 80	VERTICAL	38 1 7.5	208/3	28/38/69	
D1	PLUMBING SC	CHEDULES										
NONE												
				$\gamma$		LP GAS, SEE CIVIL DE FOR CONTINUATION			DOUBLE CHECK BACKFLOV			1-1/4" DCW TO DRIL DRAWING C-100 FC
		1			(	3	4		5		$\gamma$	1" DCW TO SAND S
	COMPRES F	SSED AIR DRO OR DETAIL, S	DP, EE D8	1/4"	<u>_1</u> 1	//4"LP			RP100			C-100 FOR CONTIN SHALL FURNISH AN
C	D	-	RP100	Ę					3/4" DCW -	& DHW		
Ŭ				Ĩ [ [ · ·				<b>-•</b>		<b> </b>		)
			1"LP			1"DCW	₩ <u>₩</u> <del>1</del>	•	1"DCW			4.00
							.• //		1"CA	留 / 4		-1"CA
				SI LP GAS		└─1 1/4"LP <u>2</u>					<u>GUH</u>	
-								1" D				
	(C) — — —					S, SHOWN OFFSET F		і к 				—(c)
			WELL HYDRO-F	PNEUMATIC TAN	IK - EQUAL TO V	∣ VEL-X-TROL WX447C,	ASME RATED, 53	gal., FULL ACC	EPTANCE VOLUME. FURNI	SH AND INSTALL IN-		
			LINE PRESS		OR PUMP CONT	ROL - PUMP ON AT 35	ipsig, PUMP OFF A	T 55psig. COC	DRDINATE w/ DIVISION 26 FO			
В						1		VERTIC	CAL 38"Ø COMPRESSOR ON			
						1						
	(B) — - ·									+		—B
_			BAY 1		BAY 2 102	BAY 3 103		BAY 4	BAY 5	BAY 6		
	(A) —											—(A)
Λ 1												
A1 1/8" = 1'-0"	DOMESTIC PI											
Scale:	•		De	esigned by:		hand i	TE OF Mallin					
							ANTELOANY			MAINE		
As indicated						1010000 7	ANTHONY S. DAVIS No. 8834		160 Veranda Stree			EGOLD
No.	Revision	By	y Date AN	NTHONY S. DAVIS, P.E	Ξ.			Structural Mechanic	<b>Igineering</b> ral Electrical Plumbing Portland, Maine 0 P: 207.221.2260 F: 207.221.2266			ORIAL H
						CONSTRUCTION			Web:www.allied-en	ng.com	/	
					By         Date           HAG         03/28/23		By         Date           SD         03/28/23	-				
					REW 03/28/23		55,20,20	AEI PROJ.NO.:	20020 CAD FILE:		MTA PR	OJECT MANAGER:



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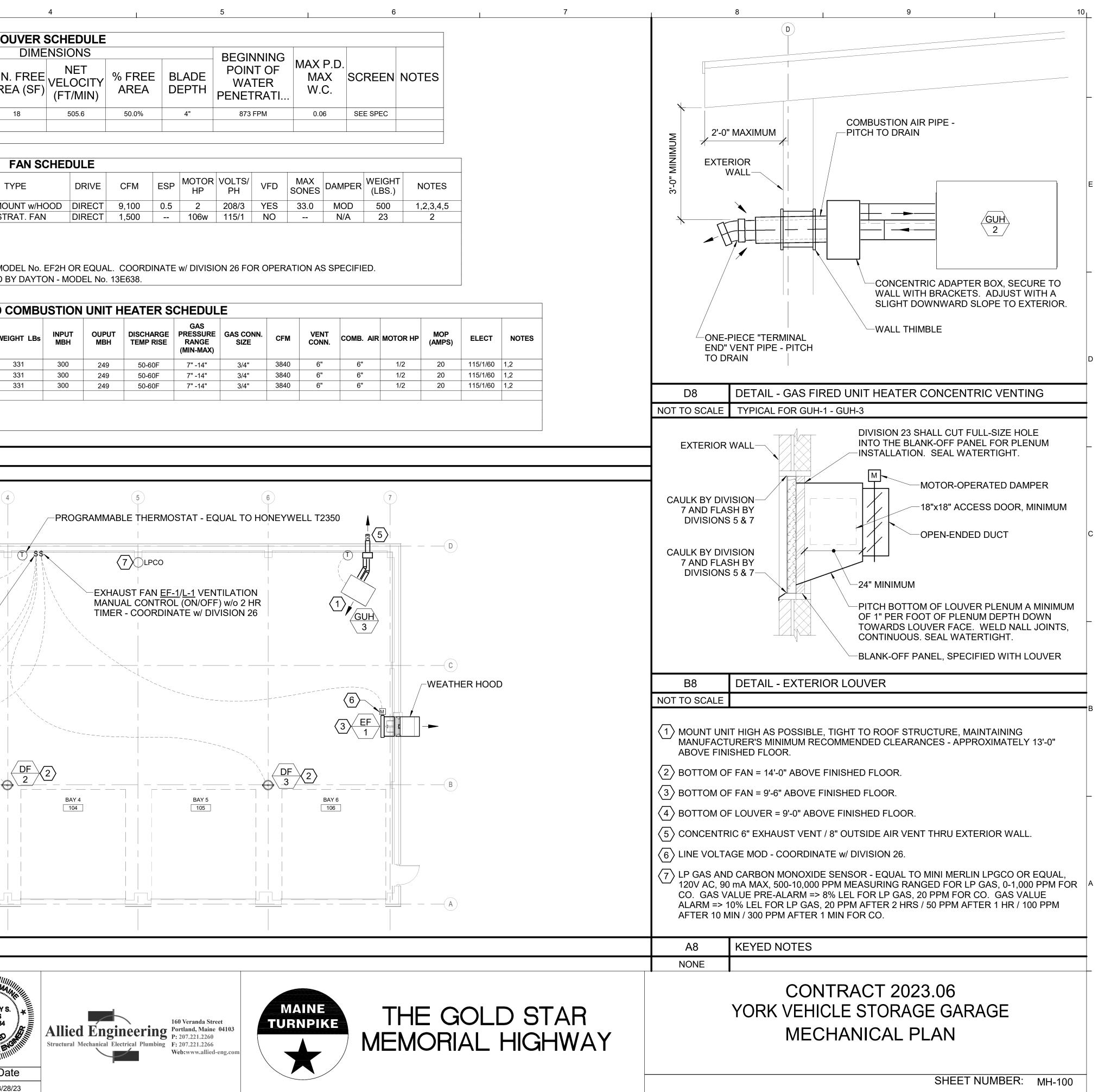
# DOMESTIC PIPING PLAN

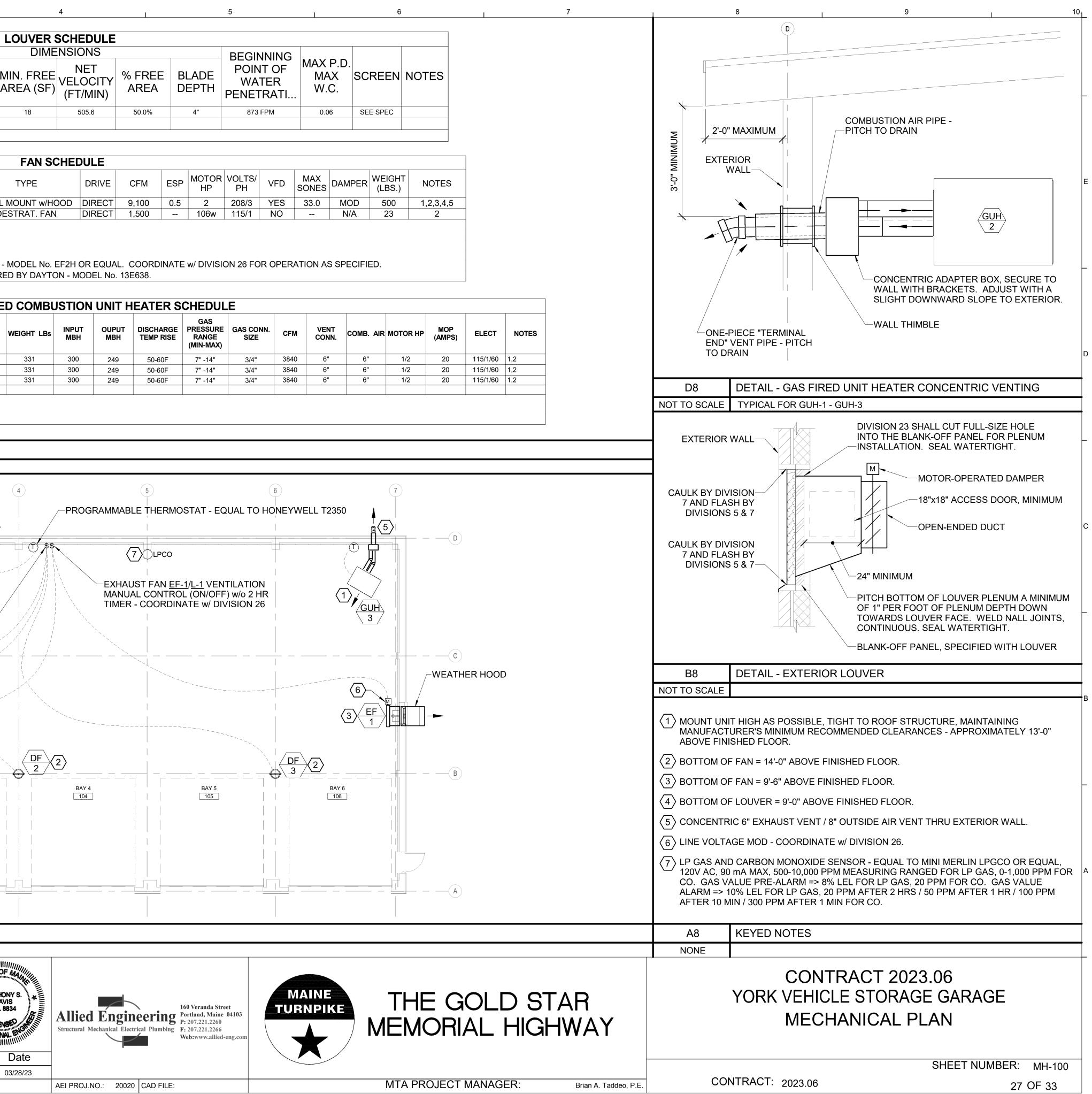
	1	I		2	I	3				4	I		5			6	
										SCHEDULE ENSIONS							_
			TAG	MAKE - MODEL	AIR SYSTE E M	OUTY CFN	/ HEIGHT (IN.)	WIDTH N (IN.)			% FREE AREA	BLADE DEPTH	BEGINNII POINT C WATER PENETRA		K SCRE	EEN NOTES	
			L-1 R	USKIN ELF445DX	EF-1 I	NTAKE 9,100	) 72	72	18	505.6	50.0%	4"	873 FPM	0.06	SEE SI	PEC	_
									FAN S	CHEDULE							
			TAG EF-1		RVES		TURER-MODEL					SP MOTOF				,	
			DF-1 thru 3 NOTES:	DESTRAT	EXHAUST IFICATION ACTORY DIS	ZOO FANS	OOK - 30XMWH S H60 PREMIUM ITCH AND START	DE	MOUNT w/H ESTRAT. FAI		1 500	0.5 2 106w	208/3 YE 115/1 NO		MOD N/A	500         1,2,3,4           23         2	+,5
			<ol> <li>PROVIDE W</li> <li>INTERLOCK</li> <li>PROVIDE W</li> </ol>	/ALL MOUNTED ( WITH LOUVER /ALL-MOUNTED	VARIABLE SF AND EF MOD TIMER SWITC	PEED CONTRON 'S CH AS MANUFA		ERMATIC -				ATE w/ DIVIS	SION 26 FOR OF	PERATION AS	SPECIFIED.		
						L	P GAS FIRED	) SEALE			HEATER		ILE				
	TAG	SERVES	MFRMODEL			YPE	EXPOSED FACE DIM.	DEPTH DIM.	WEIGHT LBs		I TEMP RIS	E RANGE (MIN-MAX	SIZE				OP IPS) ELECT NOT
	GUH - 1 GUH - 2 GUH - 3	GARAGE GARAGE GARAGE	REZNOR - UD REZNOR - UD REZNOR - UD	2 300 L	.P GAS FIRED SE	PARATED COMBS PARATED COMBS PARATED COMBS	STN 41" x 34"	48" 48" 48"	331 331 331	300         249           300         249           300         249           300         249	50-60F	7" -14" 7" -14" 7" -14"	3/4" 3/4" 3/4"	3840     6"       3840     6"       3840     6"       3840     6"	6" 6" 6"	1/2 2	20         115/1/60         1,2           20         115/1/60         1,2           20         115/1/60         1,2
		1. Standard B . Concentric Ve	uilt-in (20A) Disconn enting	nect Switch													
D1 NONE	MECHANICA	L SCHED	OULES														
				2		3		08	4		5		6	)		(7)	
							MH-			-PROGRAMM		MOSTAT - E	QUAL TO HON	NEYWELL T23	350 <b>▲</b>	5	
						(7)			T \$			)					
			GUH	} →			GUH 2	↓ (1)		MA	HAUST FAN <u>E</u> NUAL CONTF	ROL (ON/OF	F) w/o 2 HR				
					ESTRATIFIC	ATION FAN DE	- <u>-1</u> thru <u>DF-3</u> MA OCONTROL (ON	NUAL		TIM	ER - COORD	)INATE w/ D	IVISION 26		GUH 3		
	C			 													- C
	4		-(6)									· · · · · · · · · · · · · · · · · · ·			6	WE WE	EATHER HOOD
	B														$3 \frac{\text{EF}}{1}$		
	MH				F 2					2>				$\frac{\text{DF}}{3}$ 2			
	(B)		BAY 1		BAY 2		BAY 3			BAY 4		BAY 5			AY 6		B
	Γ																
	(A)																—(A)
A1	MECHANICA	L PLAN															
1/8" = 1'-0" Scale:				Designed	by:		200.										
As indicated					-	Alto		ANTHC	DNY S. *	_	L.			MAINE		⊤⊔⊏	
No.	Revision		By Date	e ANTHONY S. I	DAVIS, P.E.			DAY No. 0	, ME	Allied Eng Structural Mechanical	gineering Electrical Plumbin	160 Veranda So Portland, Main P: 207.221.2260 g F: 207.221.2260	0	rurnpik A			GOLD RIAL HI
				ISSUED	FOR BID - N	IOT FOR CO	NSTRUCTION	By	Date			Web:www.allie					
				Designed			Checked:		03/28/23	AELPROJINO.: 2							CT MANAGER:

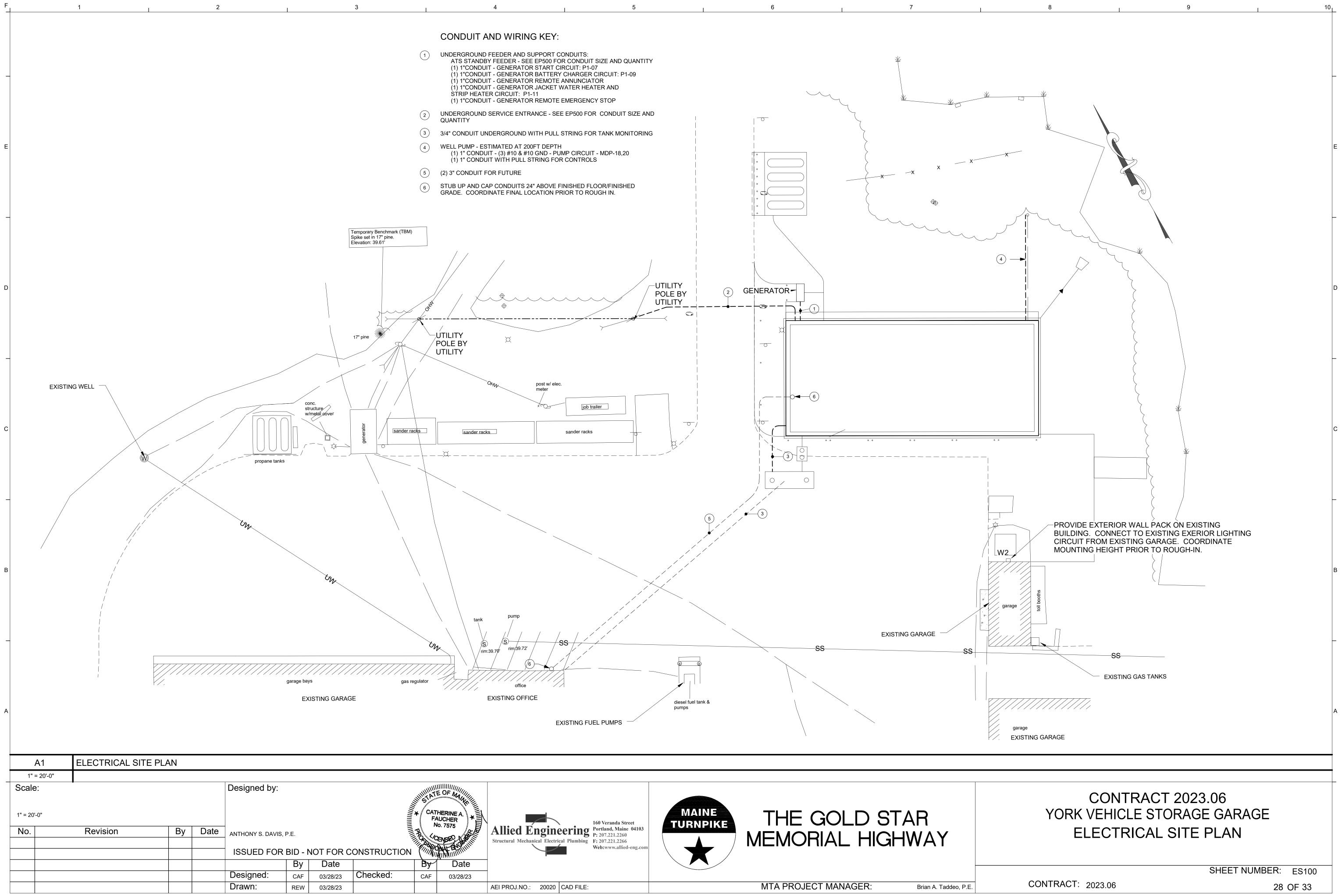
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+	'					~ l	<u> </u>	``_`		ł	1
A	AMPERE	MC	MICROPHONE							ļ	1
	ALTERNATING CURRENT	MW	MICROWAVE							ļ	1
AFF	ABOVE FINISHED FLOOR	MLO	MAIN LUG ONLY	<u>SWITCHES</u>		SINGLE RECEPTACLES		POWER DISTRIBUTION			1
_	ABOVE FINISHED GRADE	MT		\$a LIGHT SWITCH, 20A,125/277V		MOUNT 54" AFF U.N.O.				ļ	F
	AIR HANDLING UNIT AMPERES INTERRUPTING CAPACITY	MTS MCP	MANUAL TRANSFER SWITCH MOTOR CONTROL PANEL					PANELBOARD ~ SURFACE MOUNTED		ļ	1
ATS	AUTOMATIC TRANSFER SWITCH	MH	METAL HALIDE	\$3 THREE-WAY LIGHT SWITCH		REFER TO SPECIAL RECEPTACLE SCHEDULE		PANELBOARD ~ FLUSH MOUNTED			1
AWG	AMERICAN WIRE GAUGE	MDP	MAIN DISTRIBUTION PANEL	\$4 FOUR-WAY LIGHT SWITCH	CD /	OVERHEAD SINGLE RECEPTACLE CORD DROP	AS	FUSED DISCONNECT SWITCH			1
BAS	BUILDING AUTOMATION SYSTEM	MIN		\$2 TWO-POLE SWITCH		NOTE:	AS AF			ļ	1
	BACKBOARD CONDUIT	N NC	NEUTRAL NORMALLY CLOSED	\$м MOTOR RATED SWITCH WITH THERMAL OVERI		PROVIDE MATCHING CORD AND PLUG FOR SINGLE		NON-FUSED DISCONNECT SWITCH			
	CATALOG, CATEGORY	NEC	NATIONAL ELECTRICAL CODE		F	RECEPTACLES FOR NEW EQUIPMENT AND WHERE	00 🖂	MOTOR STARTER ~ NUMBER INDICATES NEMA SIZE		ľ	1
CATV	CABLE TV	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	\$P SINGLE POLE SWITCH WITH RED PILOT LIGHT LIGHT SHALL GLOW WHEN CIRCUIT IS ENERGIA		NOTED FOR RELOCATED EQUIPMENT	00 🖂 1	COMBINATION MOTOR STARTER/FUSED DISCONNECT			1
СВ	CIRCUIT BREAKER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	A \$a MULTI-GANGED SWITCHES, GANG UNDER ONE		FLOOR AND CEILING DEVICES		MOTOR OR FAN		ļ	1
CB	CLOSED CIRCUIT TELEVISION	NIC	NOT IN CONTRACT	Star Star Star Star Star Star Star Star	,	DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R,	Μ	METER AND CABINET			1
	CIRCULAR MILS	NF	NON-FUSED	\$os OCCUPANCY SENSOR SWITCH, WALL MOUNTE		MOUNT IN FLUSH FLOOR BOX	J	JUNCTION BOX			1
	COMMUNICATIONS	NO	NORMALLY OPEN			DOUBLE DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA	J–	JUNCTION BOX ~ WALL MOUNTED		ł	
	MECH CONDENSING UNIT	NO., #		OS OCCUPANCY SENSOR, CEILING MOUNTED		5-20R, MOUNT IN FLUSH FLOOR BOX	J2-	DOUBLE GANG JUNCTION BOX ~ WALL MTD 18" AFF			1
		NTS	NOT TO SCALE	OS- OCCUPANCY SENSOR, WALL MOUNTED	РФ	DUPLEX RECEPTACLE, PEDESTAL MOUNTED	CJ	JUNCTION BOX ~ FLUSH CEILING MOUNTED			1
	CABINET UNIT HEATER CORD REEL	OC	ON CENTER	\$LV LOW VOLTAGE LIGHT SWITCH, MOMENTARY C			ΡJ	JUNCTION BOX ~ PEDESTAL MOUNTED			1
DC	DIRECT CURRENT	OCC	OCCUPANCY	GROUPS		SINGLE RECEPTACLE, PEDESTAL MOUNTED	T#	TRANSFORMER ~ NUMBER INDICATES			1
D DDC	DIGITAL DIRECT CONTROL	ОН	OVERHEAD	\$LVab LOW VOLTAGE LIGHT SWITCH CONTROLLING	С <u>Ф</u> ′	DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING		DESIGNATION SEE TRANSFORMER SCHEDULE			D
DN	DOWN	Ρ	POLE	MULTIPLE LIGHTING	C 🕀	DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN	VFD	VARIABLE FREQUENCY DRIVE			1
	DISHWASHER DRAWING	PA PB	PUBLIC ADDRESS PULLBOX			CEILING	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR			1
	EXHAUST FAN	РВ PH, Ø	PULLBOX PHASE	LC LIGHTING CONTACTOR		DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN	€-S-	POWER SHUTOFF SWITCH ~ WALL			1
ELEV	ELEVATOR	PIR	PASSIVE INFRARED	LCP LIGHTING CONTROL PANEL	ſ	CEILING		MOUNTED 48" TO CENTER LINE			1
	ELECTRICAL METALLIC TUBING	PNL	PANELBOARD	(PC) OUTDOOR PHOTOELECTRIC SWITCH		DOUBLE DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED					1
	EXPLOSION PROOF	P/O				IN CEILING					1
	ENERGY RECOVERY UNIT ELECTRIC WATER COOLER	PV PVC	PHOTOVOLTAIC POLY-VINYL CHLORIDE			OVERHEAD RECEPTACLE DROP, DUPLEX ~		- WIRING UNDERGROUND OR UNDERSLAB			1
	FIRE ALARM CONTROL PANEL	REC	RECEPTACLE	1. MOUNT LIGHT SWITCHES WITH CENTERLINE 54" AFF, UNO		CR= CORD REEL		- WIRING OVERHEAD			1
FB	FLOOR BOX	REF	REFRIGERATOR	2. LOWER CASE LETTER AT SWITCH		OVERHEAD RECEPTACLE DROP, DOUBLE DUPLEX ~ CR= CORD REEL		HOMERUN ~ (2)#12+(1)#12G UNO (EXCEPT LIGHTING CIRCUITS: (1)#12+(1)#10N+(1)#12G UNO)			1
		RF		INDICATES SWITCHING							1
C	FURNISHED WITH EQUIPMENT GROUND	RGS	RIGID GALVANIZED STEEL ROOM			OVERHEAD RECEPTACLE DROP, GFCI ~ CR= CORD REEL		SINGLE-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT			C
G, GND GFCI	GROUND GROUND FAULT CIRCUIT INTERRUPTER	RM RMC	ROOM RIGID METAL CONDUIT	EMERGENCY LIGHTING		2-GANG JUNCTION BOX IN FLUSH FLOOR BOX		3-PHASE HOMERUN OR MULTIPLE HOMERUN	RECESSED CONDUIT	T WITH PULL STRING IN	1
GFP	GROUND FAULT PROTECTION	RTU	ROOFTOP UNIT	HATCHING INDICATES EGRESS FIXTURE WITH				UTILIZING THE SAME CONDUIT	DOOR FRAME, RUN F		1
	HIGH INTENSITY DISCHARGE	REF	REFRIGERATOR	BATTERY BALLAST ~ "EM" INDICATES EMERGE WHERE SYMBOL HATCHING IS UNCLEAR	ENCY		$\sim$		LOCATION IN FRAME LOCATION.		1
HOA	HAND-OFF-AUTO SELECTOR SWITCH	SF	SUPPLY FAN				<del> </del>	GROUNDING SYSTEM		R ~ POWER SUPPLIES BY	1
	HORSEPOWER HEATING, VENTILATION AND COOLING	SPU1	SINGLE POLE, DOUBLE THROW	EXIT SIGN, CEILING MOUNTED, SHADING INDIC FACE(S) ARROWHEAD INDICATES CHEVRON(S			Ò	MOTORIZED DOOR OPERATOR AND PUSH PADDLE ~ FURNISHED BY DIV 08, WIRED BY DIV 26	OTHERS.	~ POWER SUFFLIES DI	∟
HVAC	UNIT	SQ	SQUARE	REQUIRED, CONNECT TO UNSWITCHED PORT					NOTES [:]		1
	INTRUSION DETECTION SYSTEM	TEL	TELEPHONE	AREA LIGHTING BRANCH CIRCUIT, U.N.O.			Св	ENCLOSED CIRCUIT BREAKER	1. DOOR HARDWARE BY	א אום א אום א אום א	1
	ISOLATED GROUND	TVSS		EXIT SIGN, WALL MOUNTED, SHADING INDICA			ATS	AUTOMATIC TRANSFER SWITCH			1
_	INTERMEDIATE METAL CONDUIT	TYP		FACE(S) MOUNT AT 7'-6"AFF OR OVER DOOR,		RECEPTACLES	(H)	HAND DRYER, COORDINATE HEIGHT WITH ARCHITECTURAL PLANS	2. LOW VOLTAGE WIRING OWNER UNLESS NOTE		1
	INFRARED KILO	UF UG	UNDER FLOOR UNDERGROUND	LIGHTING BRANCH CIRCUIT, U.N.O.		DUPLEX RECEPTACLE ~ 20A, 125V, 2P, 3W, NEMA 5-20R	С	ENCLOSED CONTACTOR			1
B	KILO CIRCULAR MILS	UH	UNIT HEATER	CENTRAL LIGHTING INVERTER		DOUBLE DUPLEX RECEPTACLE		OVERHEAD DATA DROP	3. CONDUITS SHALL BE F EACH OUTLET BOX OR	RUN CONCEALED FROM R TERMINATION TO 6"	<b>د</b> ا
	KILOWATT	UL	UNDERWRITER'S LABORATORY		Ф	GFCI DUPLEX RECEPTACLE, MOUNT 40" AFF UNO		DATA OUTLET FLUSH IN CEILING	ABOVE THE NEAREST	T ACCESSIBLE CORRIDOR	1
	KILO VOLT-AMPS	UNO	UNLESS NOTED OTHERWISE			GFCI DOUBLE DUPLEX RECEPTACLE, MOUNT 40" AFF UNO		DATA OUTLET FLUGTTIN GEILING	,	-HOOK OR CABLE TRAY	1
	LOCAL AREA NETWORK LIGHTING CONTACTOR	UPS V	UNINTERRUPTIBLE POWER SUPPLY VOLTS						PATHWAY, UNO. IN ROO CEILINGS, CONDUIT SH		1
	LIGHTING CONTACTOR	V VFD	VOLTS VARIABLE FREQUENCY DRIVE			GFCI RECEPTACLE FOR ELECTRIC WATER COOLER - COORDINATE LOCATION WITH DIVISION 22.			UNDERSIDE OF DECK	K TO 6" ABOVE THE	1
	LOADCENTER	W	WATT	REFER TO LUMINAIRE SCHEDU					NEAREST ACCESSIBLE THAT IS CONTIGUOUS		F
		WP	WEATHERPROOF	FOR FIXTURE TYPES		GFCI RECEPTACLE WITH WEATHERPROOF COVER			ROOM, J-HOOK OR CAI	ABLE TRAY PATHWAY,	1
		WG			WP	GFCI RECEPTACLE IN WP ENCLOSURE ON ROOF				PORTIONS OF THE PATH	1
	LIGHTING LIGHTS	XFMR	TRANSFORMER	TYPICAL FOR ALL FIXTURE TYPE					TO NEAREST IT ROOM TRAY THAT HAS EXPO		1
	MAXIMUM	(E)	EXISTING ITEM TO REMAIN		NOTE	<u></u>			INACCESSIBLE CEILING		1
<b>⊿</b> МСВ	MAIN CIRCUIT BREAKER	(R)	REMOVE ITEM AND DISPOSE OF PROPERLY	R1 - INDICATES LUMINAIRE TYPE ON SCHEDU	1	MOUNT RECEPTACLES WITH CENTERLINE 45" AFF UNO				ROVIDE 120 VOLT POWER	۱ <u>۸</u>
A	MECHANICAL	(ER)	RELOCATED ITEM AT NEW LOCATION			MOUNT EXTERIOR RECEPTACLES WITH CENTERLINE			WHERE INDICATED. DI EMPTY BOXES AND CO	DIV 26 SHALL PROVIDE	•
	MOUNTING HEIGHT	(RL)	REMOVE AND RELOCATE			AFG UNO			STRING U.N.O.		1
			,								1
	A1 ABBREVIATIONS		J	A3 LIGHTING	A5	RECEPTACLES	A7	POWER DISTRIBUTION	A9 SECURI	RITY LEGEND	1
	ONE ABBREVIATIONS		/	NONE	NONE		NONE				1
Scale:	-		Designed by:			<b>I</b>			_ <b>I</b>		-
Could			Deergried by	TE OF MA						ļ	1

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12" = 1'-0"									THERIN AUCHE No. 757
No.	Revision	By	Date	ANTHONY S. DAVIS	, P.E.			ER /	
				ISSUED FOR	R BID - N		CONSTRUCTIO	IN SCI	CENSE CALLET
					By	Date		By	1
				Designed:	CAF	03/28/23	Checked:	CAF	0
				Drawn:	REW	03/28/23			

	NONE		NONE		NONE	
	A3	LIGHTING	A5	RECEPTACLES	A7	POWE
ERLY	R1 -	REFER TO LUMINAIRE SCHEDULE FOR FIXTURE TYPES TYPICAL FOR ALL FIXTURE TYPES : INDICATES LUMINAIRE TYPE ON SCHEDULE OWER CASE LETTER INDICATES SWITCH GROUP	wp ∰ wp ∰ <u>NOT</u> 1. 2. 40" /	GFCI RECEPTACLE WITH WEATHERPROOF COVER GFCI RECEPTACLE IN WP ENCLOSURE ON ROOF ES: MOUNT RECEPTACLES WITH CENTERLINE 45" AFF UNO MOUNT EXTERIOR RECEPTACLES WITH CENTERLINE AFG UNO		
SSOR	-	AREA LIGHTING BRANCH CIRCUIT, U.N.O. EXIT SIGN, WALL MOUNTED, SHADING INDICATES FACE(S) MOUNT AT 7'-6"AFF OR OVER DOOR, CONNECT TO UNSWITCHED PORTION OF AREA LIGHTING BRANCH CIRCUIT, U.N.O. CENTRAL LIGHTING INVERTER	<ul> <li>€WC </li> </ul>	RECEPTACLES DUPLEX RECEPTACLE ~ 20A, 125V, 2P, 3W, NEMA 5-20R DOUBLE DUPLEX RECEPTACLE GFCI DUPLEX RECEPTACLE, MOUNT 40" AFF UNO GFCI DOUBLE DUPLEX RECEPTACLE, MOUNT 40" AFF UNO GFCI RECEPTACLE FOR ELECTRIC WATER COOLER - COORDINATE LOCATION WITH DIVISION 22.	CB ATS H– C C C C	ENCLOSED AUTOMATIO HAND DRYE ARCHITECT ENCLOSED OVERHEAD DATA OUTL
		INDICATES SWITCHING <u>EMERGENCY LIGHTING</u> HATCHING INDICATES EGRESS FIXTURE WITH BATTERY BALLAST ~ "EM" INDICATES EMERGENCY WHERE SYMBOL HATCHING IS UNCLEAR EXIT SIGN, CEILING MOUNTED, SHADING INDICATES FACE(S) ARROWHEAD INDICATES CHEVRON(S) REQUIRED, CONNECT TO UNSWITCHED PORTION OF	CR (	CR= CORD REEL OVERHEAD RECEPTACLE DROP, GFCI ~ CR= CORD REEL 2-GANG JUNCTION BOX IN FLUSH FLOOR BOX		CIRCUITS: SINGLE-PH UTILIZING T 3-PHASE H UTILIZING T FLEXIBLE C GROUNDIN MOTORIZEI FURNISHEE
		<ol> <li>NOTES:</li> <li>MOUNT LIGHT SWITCHES WITH CENTERLINE 54" AFF, UNO</li> <li>LOWER CASE LETTER AT SWITCH</li> </ol>		OVERHEAD RECEPTACLE DROP, DUPLEX ~ CR= CORD REEL OVERHEAD RECEPTACLE DROP, DOUBLE DUPLEX ~	 	WIRING UN WIRING OV HOMERUN
	PC	LIGHTING CONTROL PANEL OUTDOOR PHOTOELECTRIC SWITCH	C 🜐	DOUBLE DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING	• 0	CONDUIT T CONDUIT T
	LC		СШ	DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING		POWER SH MOUNTED
		MULTIPLE LIGHTING LIGHTING TIME CLOCK		DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING	VFD TVSS	VARIABLE F
	¢	GROUPS	P ⊕ C ⊕	SINGLE RECEPTACLE, PEDESTAL MOUNTED DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING	T#	TRANSFOR DESIGNATI
	\$LV	LOW VOLTAGE LIGHT SWITCH, MOMENTARY CONTACT	P ()	DUPLEX RECEPTACLE, PEDESTAL MOUNTED	P J	JUNCTION
	OS)	OCCUPANCY SENSOR, CEILING MOUNTED OCCUPANCY SENSOR, WALL MOUNTED		5-20R, MOUNT IN FLUSH FLOOR BOX	(J2)	DOUBLE GA
	$\sim$	OCCUPANCY SENSOR SWITCH, WALL MOUNTED	F	MOUNT IN FLUSH FLOOR BOX DOUBLE DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA	J–	JUNCTION
ATION	\$b	MULTI-GANGED SWITCHES, GANG UNDER ONE PLATE, LETTER INDICATES SWITCHING	F (	DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R,	M	METER AND
ERS	\$P	SINGLE POLE SWITCH WITH RED PILOT LIGHT ~ RED LIGHT SHALL GLOW WHEN CIRCUIT IS ENERGIZED		NOTED FOR RELOCATED EQUIPMENT FLOOR AND CEILING DEVICES	00 🖂 	COMBINAT
	\$м	MOTOR RATED SWITCH WITH THERMAL OVERLOAD		PROVIDE MATCHING CORD AND PLUG FOR SINGLE RECEPTACLES FOR NEW EQUIPMENT AND WHERE	00 🖂	MOTOR ST
	\$2	TWO-POLE SWITCH		NOTE:		NON-FUSE
	\$4	FOUR-WAY LIGHT SWITCH		OVERHEAD SINGLE RECEPTACLE CORD DROP		PANELBOA
	\$3	THREE-WAY LIGHT SWITCH		REFER TO SPECIAL RECEPTACLE SCHEDULE	-	PANELBOA
	\$a	SWITCHES LIGHT SWITCH, 20A,125/277V		SINGLE RECEPTACLES MOUNT 54" AFF U.N.O.		<u>POWER D</u>
l						

TURNPIKE



Allied Engineering ¹⁶⁰ Veranda Street Portland, Maine 04103 P: 207.221.2260

ectrical Plumbing F: 207.221.2266

Web:www.allied-eng.co

MEMORIAL HIGHWAY

#### CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE ELECTRICAL LEGEND

	A1	ELECTRICAL SCHED	ULES							
Scal	e:				Designed by:					EOFM
								ŝ	IIII STAT	
									× CAT F	HERINE
	1				-				N N	AUCHER No. 7575
No.		Revision	By	Date	ANTHONY S. DAVIS,	P.E.			Ro Ku	ENSED
						י חוח			ALL SOL	ONALE
					ISSUED FOR			ONSTRUCTION	· \ "'	ANNIN
						By	Date		By	1 D
					Designed:	CAF	03/28/23	Checked:	CAF	03/2
					Drawn:	REW	03/28/23			

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

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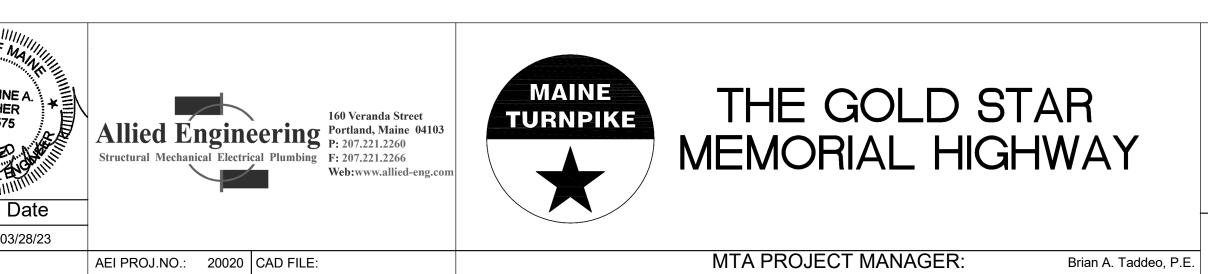
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BRANCH (	CIRCUITS SCHEDULE
CIRCUIT BREAKER	CONDUCTOR
120 OR 277	VOLT, 1 PH., 2W CIRCUITS
15A-1P, 20A-1P	2#12 & 1#12 GND - 3/4" C.
30A-1P	2#10 & 1#10 GND - 3/4" C.
40A-1P	2#8 & 1#10 GND - 3/4" C.
50A-1P	2#6 & 1#10 GND - 3/4" C.
60A-1P	2#6 & 1#10 GND - 3/4" C.
208 OR 480	VOLT, 1PH., 2W CIRCUITS
15A-2P, 20A-2P	2#12 & 1#12 GND - 3/4" C.
30A-2P	2#10 & 1#10 GND - 3/4" C.
40A-2P	2#8 & 1#10 GND - 3/4" C.
50A-2P	2#6 & 1#10 GND - 3/4" C.
60A-2P	2#6 & 1#10 GND - 3/4" C.
208 OR 480	VOLT, 3PH., 3W CIRCUITS
15A-3P, 20A-3P	3#12 & 1#12 GND - 3/4" C.
30A-3P	3#10 & 1#10 GND - 3/4" C.
40A-3P	3#8 & 1#10 GND - 3/4" C.
50A-3P	3#6 & 1#10 GND - 3/4" C.
60A-3P	3#6 & 1#10 GND - 3/4" C.
BRANCH CIRCUIT	SCHEDULE NOTES:
	IALL INCLUDE FULL SIZE INSULATED R. SIZES AS INDICATED IN SCHEDULE
	MAXIMUM FEEDER LENGTH OF 150 CIRCUITS AND 300 FEET FOR 277
3. UPGRADE WIRE AN ADDRESS VOLTAGE D	D CONDUIT SIZE AS REQUIRED TO DROP

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30 OF 33

#### CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE ELECTRICAL GENERAL NOTES AND SCHEDULES

		, , , , , , , , , , , , , , , , , , , ,		
А	5-15R	15A-125V,2P,3W	15A-1P	2#12 & 1#12GND - 3/4" C
В	5-20R	20A-125V,2P,3W	20A-1P	2#12 & 1#12GND - 3/4" C
С	5-30R	30A-125V,2P,3W	30A-1P	2#10 & 1#10GND - 3/4" C
D	5-50R	50A-125V,2P,3W	50A-1P	2#6 & 1#10GND - 3/4" C
E	6-20R	20A-250V,2P,3W	20A-2P	2#12 & 1#12GND - 3/4" C
F	L6-20R	20A-250V,2P,3W	20A-2P	2#12 & 1#12GND - 3/4" C
G	6-30R	30A-250V,2P,3W	30A-2P	2#10 & 1#10GND - 3/4" C
Н	L6-50R	50A-250V,2P,3W-LOCKING	50A-2P	2#6 & 1#10GND - 3/4" C
I	14-20R	20A-125/250V,3P,4W	20A-2P	3#12 & 1#12GND - 3/4" C
J	14-30R	30A-125/250V,3P,4W	30A-2P	2#10 & 1#10GND - 3/4" C
К	14-50R	50A-125/250V,3P,4W	50A-2P	3#6 & 1#10GND - 1" C
L	14-60R	60A-125/250V,3P,4W	60A-2P	3#6 & 1#10GND - 1" C
М	L15-20R	20A-250V,3PH,3P,4W	20A-3P	3#12 & 1#12GND - 3/4" C
Ν	15-30R	30A-250V,3PH,3P,4W	30A-3P	3#10 & 1#10GND - 3/4" C
Р	15-50R	50A-250V,3PH,3P,4W	50A-3P	3#6 & 1#10GND - 1" C
Q	15-60R	60A-250V,3PH,3P,4W	60A-3P	3#6 & 1#10GND - 1" C
R	L5-20R	20A-125V,2P,3W, TWIST LOCK	20A-1P	2#12 & 1#12GND - 3/4" C
S	L5-30R	30A-125V,2P,3W, TWIST LOCK	30A-1P	2#10 & 1#10GND - 3/4" C
Т	L6-15R	15A-250V,2P,3W, TWIST LOCK	15A-2P	2#12 & 1#12GND - 3/4" C
U	L6-20R	20A-250V,2P,3W, TWIST LOCK	20A-2P	2#12 & 1#12GND - 3/4" C
V	L6-30R	30A-250V,2P,3W, TWIST LOCK	30A-2P	2#10 & 1#10GND - 3/4" C
W	L14-20R	20A -125/250V,3P,4W,TWIST LOCK	20A-2P	3#12 & 1#12GND - 3/4" C
Х	L14-30R	30A -125/250V,3P,4W,TWIST LOCK	30A-2P	3#10 & 1#10GND - 3/4" C
Y	L16-20R	20A-480V, 3P,4W, TWIST LOCK	20A-3P	3#12 & 1#12GND - 3/4" C
Z	L11-20R	20A-250V, 3P,4W, TWIST LOCK	20A-3P	3#12 & 1#10GND - 3/4" C

#### SPECIAL RECEPTACLE SCHEDULE

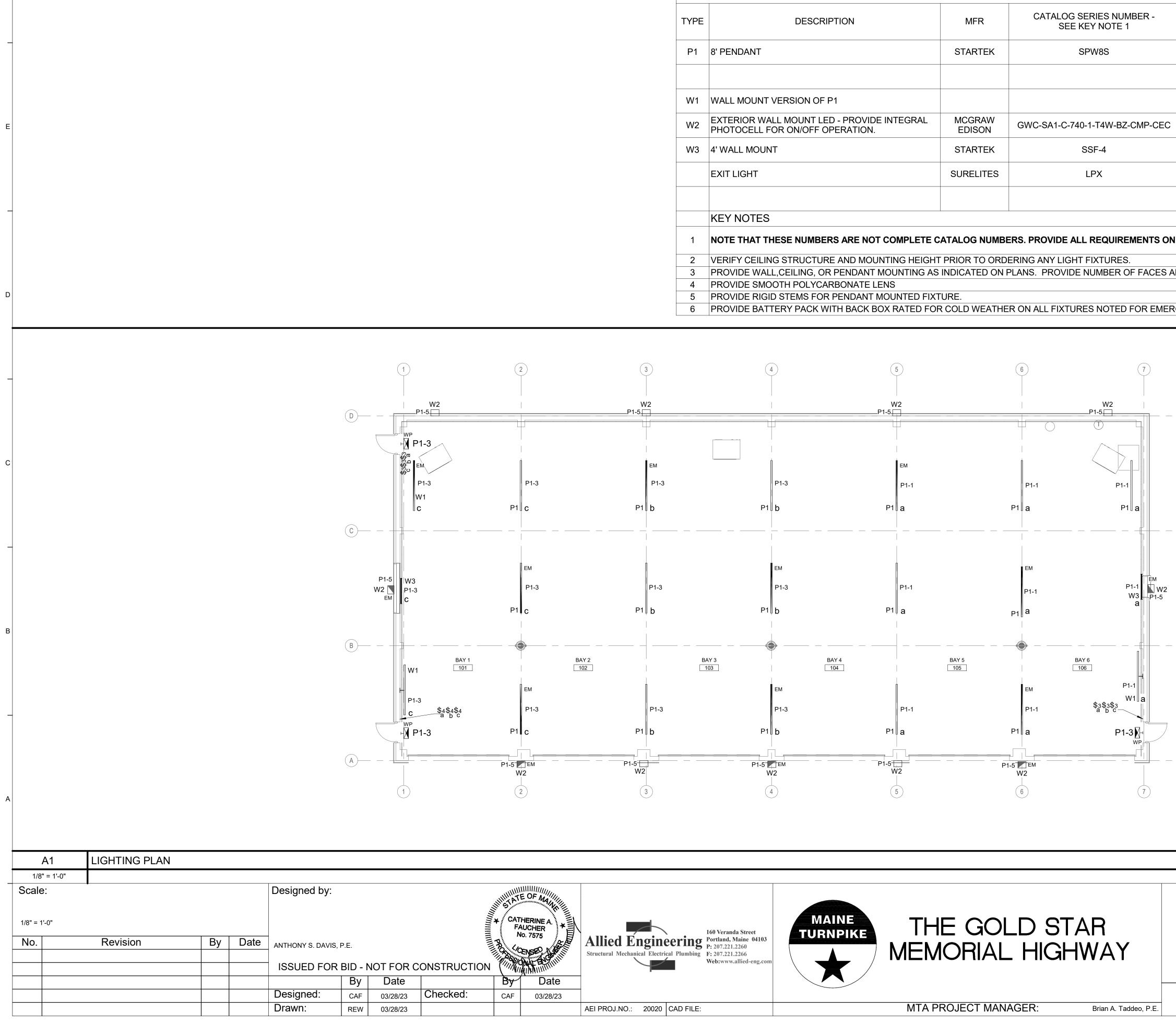
TAG NEMA DESCRIPTION (SINGLE DEVICE) OCPD

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BRANCH CIRCUIT

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		LUMIN	AIRE SCHEDULE- KEY NOTE 1,2						
						L	AMP/LIGHT E	ENGINE	
TYPE	DESCRIPTION	MFR	CATALOG SERIES NUMBER - SEE KEY NOTE 1	MOUNTING	VOLTS	WATTS	DELIVERE D	TYPE	- KEY NOTES
P1	8' PENDANT	STARTEK	SPW8S	PENDANT 16' AFF	120V	87	12540	LED 5000K	4,5
W1	WALL MOUNT VERSION OF P1			WALL 16' AFF				LED 5000K	4
W2	EXTERIOR WALL MOUNT LED - PROVIDE INTEGRAL PHOTOCELL FOR ON/OFF OPERATION.	MCGRAW EDISON	GWC-SA1-C-740-1-T4W-BZ-CMP-CEC	WALL 17' AFF	120V	59	7502	LED 4000K	6
W3	4' WALL MOUNT	STARTEK	SSF-4	MOUNT 7'-6" AFF	120V	47	6846	LED 5000K	4
	EXIT LIGHT	SURELITES	LPX		120VAC/ 12VDC	1		LED	3
	KEY NOTES								
	RET NOTES								
1	NOTE THAT THESE NUMBERS ARE NOT COMPLETE C	ATALOG NUMBI	ERS. PROVIDE ALL REQUIREMENTS ON	SCHEDULE, NOTI	ES, SPEC	S, AND D	RAWINGS C	COMBINED.	
2	VERIFY CEILING STRUCTURE AND MOUNTING HEIGHT	PRIOR TO ORD	ERING ANY LIGHT FIXTURES.						
3	PROVIDE WALL, CEILING, OR PENDANT MOUNTING AS	INDICATED ON	PLANS. PROVIDE NUMBER OF FACES A	ND ARROWS AS IN	NDICATE	).			
4	PROVIDE SMOOTH POLYCARBONATE LENS								
5	PROVIDE RIGID STEMS FOR PENDANT MOUNTED FIXT								
6	PROVIDE BATTERY PACK WITH BACK BOX RATED FOR	R COLD WEATHE	R ON ALL FIXTURES NOTED FOR EMER	GENCY BACK UP U	JSE.				

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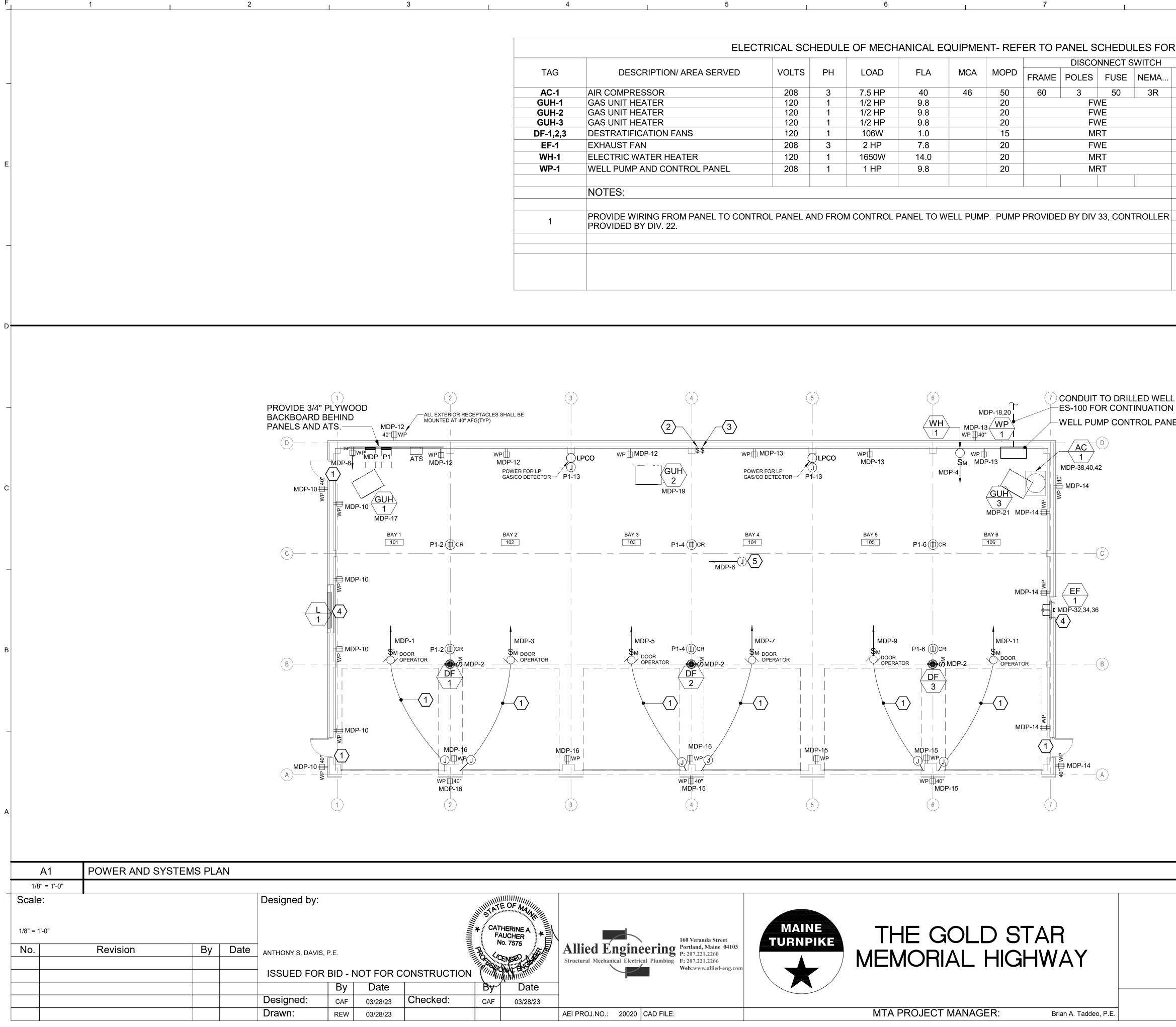
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#### CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE LIGHTING PLAN

CONTRACT: 2023.06



						FLA MCA M			DISCO	NNECT S	WITCH		STARTE	R (NEMA)					
TAG	DESCRIPTION/ AREA SERVED	VOLTS	PH	LOAD	FLA		A MCA	MCA	MCA	MOPD	FRAME	POLES	FUSE	NEMA	FBD	SIZE/	FBD	CBD	(2 #12, 1#12 G UNO)
AC-1	AIR COMPRESSOR	208	3	7.5 HP	40	46	50	60	3	50	3R	22		22	22	4 #6, 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		F۷	VE		23		23	23				
DF-1,2,3	DESTRATIFICATION FANS	120	1	106W	1.0		15	5 MRT 26 23		23	23								
EF-1	EXHAUST FAN	208	3	2 HP	7.8		20	FWE		23		23	23	3 #12, 1 #12G					
WH-1	ELECTRIC WATER HEATER	120	1	1650W	14.0		20	MRT		23		23	23						
WP-1	WELL PUMP AND CONTROL PANEL	208	1	1 HP	9.8		20		MF	RT	I	22		22	22	2 # 10, #10G	1		
	NOTES:														ABBRE	VIATIONS:			
														FWE		HED WITH EQUIPMENT			
	PROVIDE WIRING FROM PANEL TO CONT	ROI PANELAI			PANEL TO V			PROVIDE		33 CON				NF	NOT FUS				
1	PROVIDED BY DIV. 22.				/									SWBD	SWITCH	BOARD			
														FBD	FURNIS	HED BY DIVISION			
														CBD	CONTRO	OL WIRING BY DIVISION			
														MRT	MOTOR RATED TOGGLE SWITCH (VOLTAGE, CURRENT RATING AND POLE QUANTITY AS REQUIRED)				

1	8	1	9
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7) CONDUIT TO DRILLED WELL - SEE SITE PLAN -WELL PUMP CONTROL PANEL BY OTHERS

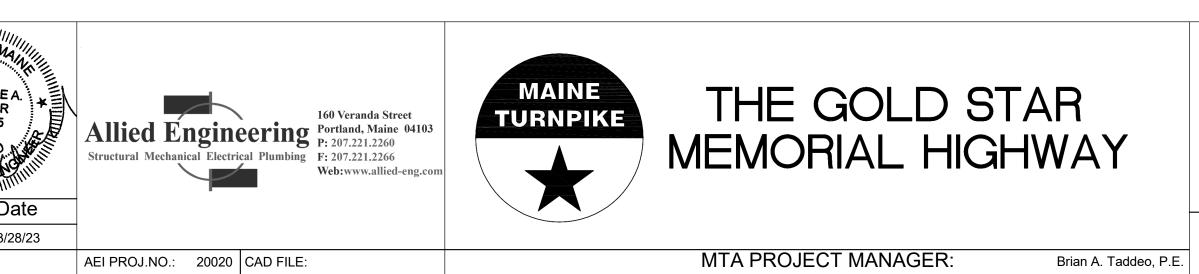
KEYED NOTES:

- 1 PROVIDE EMPTY J-BOX 44" ABOVE FINISHED FLOOR AND 1-1/2" EMPTY CONDUIT FOR DOOR CONTROLS. CONTROL WIRING AND CONTROLS BY OTHERS.
- 2 DESTRATIFICATION FAN DF-1 thru DF-3 MANUAL SPEED CONTROLS-CONTROLS BY OTHERS.
- 3 EXHAUST FAN EF-1/L-1 VENTILATION TIMER AND VARIABLE SPEED CONTROLS LOCATIONS 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.

#### CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE POWER AND SYSTEMS PLAN

F			1	1	2		1		3		
									Lighting and	Locat Supply Fr	ion: BAY
									CKT Circ 1 LIGHTING, SW 3 LIGHTING, SW 5 EXTERIOR BU 7 GENERATOR S 9 GENERATOR S	ITCHES b ILDING LI START	,c GHTING
E									11GEN JACKET V13LP GAS CO DE15Spare17Spare19Spare21Spare23Spare25Spare27Spare29Spare	NH & STR	IP HEATE
_									Notes:		
D											
_											
С									TY RISER POLE TRANSFORMER BY UTILITY-		
В											
Α											       
		A1	POWER RISER D	DIAGRAM							
_	N Scal 12" = 1					Designed by:					
	No.		Revision	Ву	Date	ANTHONY S. DAVIS, I	P.E.			F/ N	AUCHER Io. 7575
							BID - I By	NOT FOR C Date		By	Da
						Designed: Drawn:	CAF REW	03/28/23 03/28/23	Checked:	CAF	03/2

4	5	6	I	7	8		9	1
nce Panelboard: : BAY 1 101 : MDP : Surface	P1 Volts: 120/208 Wye Phases: 3 Wires: 4	A.I.C. Rating: 10kA Mains Type: MLO Bus Rating: 125 A MCB Rating:	Li	<b>ghting and Appliance F</b> Location: BAY 1 1 Supply From: Mounting: Surface	101	MDP Volts: 120/208 Wye Phases: 3 Wires: 4	A.I.C. Rating: 22kA Mains Type: Bus Rating: 150 A MCB Rating:	
Trip Amps         Poles         A (k∨A)           20         1         0.7         0.7           20         1         0.7         0.7           20         1         0.4         0           20         1         0.4         0           20         1         0.4         0           20         1         0.4         0           ARGER         20         1         1         0           4EATER         20         1         1         0           20         1         1         0         0           20         1         1         0         0           20         1         0         0         0           20         1         0         0         0           20         1         0         0         0           20         1         0         0         0           20         1         20         1         4           20         1         20         1         4           20         1         20         1         4           20         1         20	1       0.7       0.8       0.7         0.4       0       -       -         0.4       0       -       -         0.4       0       -       -         0.4       0       -       -         0       0       -       -         0       0       0       0         0       0       -       -         0       0       0       0         0       0       -       -         0       0       0       0	PolesTrip AmpsCircuit Description120CORD REELS BAYS 1-2120CORD REELS BAYS 3-4120CORD REELS BAYS 5-6120Spare120Spare120Spare120Spare120Spare120Spare120Spare120Spare120Spare120Spare120Spare120Spare120Spare120Spare120Spare120Spare120Spare	$ \begin{array}{c} 2\\ 4\\ 6\\ 8\\ 10\\ 12\\ 14\\ 16\\ 18\\ 20\\ 22\\ 24\\ 26\\ 28\\ 30\\ 28\\ 30\\ 23\\ 30\\ 33\\ 33\\ 33\\ 33\\ 33\\ 33\\ 33\\ 33\\ 3$	KTCircuit Description1DOOR OPERATOR BAY 13DOOR OPERATOR BAY 25DOOR OPERATOR BAY 37DOOR OPERATOR BAY 49DOOR OPERATOR BAY 51DOOR OPERATOR BAY 63Receptacles5Receptacles7GUH-19GUH-21GUH-33Spare5Spare9Spare1Spare3Spare5Spare7P11Image: State	Trip Amps         Poles         A (kVA)           20         1         1.4         0.4           20         1         1.4         0.4           20         1         1.4         0.4           20         1         1.4         0.4           20         1         1.4         0.2           20         1         1.4         0.2           20         1         1.4         0.2           20         1         1.4         0.2           20         1         1.4         0.2           20         1         0.7         0.9           20         1         0.7         0.9           20         1         0.7         1           20         1         0.7         1           20         1         0.7         1           20         1         0.7         1           20         1         0         0           20         1         0         0.9           20         1         0         0.9           20         1         2.3         4.8           100         3         14.7	1.4       1.7          1.4       1.7          1.4       0.5         1.4       0.5         1.4       1.1         1.4       1.1         0.7       0.7         0.7       0.7         0.7       0.7         0.7       0.7         0.7       0.7         0.7       0.7         0.7       0         0.7       0         0.7       0         0.7       0         0.7       0         0.7       0         0.7       0         0.7       0         0.7       0         0.7       0         0.7       0         0.7       0         0       0         0       0         0       0.9         0       0.9         0       0.9	DelesTrip AmpsCircuit Description115DESTRAT FANS120WATER HEATER120HVAC CONTROL POWER120Receptacles120Receptacles120Receptacles120Receptacles120Receptacles120Receptacles120Receptacles220WP-1 - WELL PUMP120Spare120Spare120Spare120Spare120Spare320EF-1	ion CKT 2 4 6 8 10 12 14 16 18 20 22 24 24 26 28 30 32 34 36 38 40 42
	OUTDOORS	BUILDING INTERIOR			DESCRIPTION NDARY FEEDER NDARY/FEEDER R	(4) #1/0 (4) #2, (1) #8 (4) #1/0, (1) #	G	DUIT (NOTE 2" 1 1/2" 2"
EMERGENCY GENERATOR 60KW 120/208V, 3 PHASE, 4 WIRE		C						



anel	board:

## CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE POWER RISER DIAGRAM

CONTRACT: 2023.06

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