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SHEET TOTAL: 88

THE GOLD STAR
MEMORIAL HIGHWAY

MAINE TURNPIKE AUTHORITY

MICHAEL J. CIANCHETTE, CHAIRMAN
JANE L. LINCOLN, VICE CHAIRMAN
THOMAS J. ZUKE, MEMBER
ANDREW McLEAN, MEMBER
NINA A. FISHER, MEMBER
EMILY BECKER, MEMBER
DALE DOUGHTY, MEMBER EX-OFFICIO

ANDRE J. BRIERE, COLONEL, USAF (RET.), EXECUTIVE DIRECTOR

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING

ISSUED FOR BID
OCTOBER 14, 2025

Harriman

APPROVED:

MAINE TURNPIKE AUTHORITY

STEPHEN R. TARTRE
CHIEF ENGINEER/DIRECTOR OF ENGINEERING

DATE

LICENSED ARCHITECT — MARK D. LEE #3640 — STATE OF MAINE

STATE OF MAINE — JONATHAN ROBERT EARLE No. 10905 — LICENSED PROFESSIONAL ENGINEER

STATE OF MAINE — ALEXANDER WHEELOCK No. 15191 — LICENSED PROFESSIONAL ENGINEER

STATE OF MAINE — DAVID W. STORY No. 12853 — LICENSED PROFESSIONAL ENGINEER

STATE OF MAINE — CHELSEA L. HADSEL No. 17097 — LICENSED PROFESSIONAL ENGINEER

Contract 2026.07

GENERAL NOTES

1. REFER TO PLANS, REFLECTED CEILING PLANS AND ELECTRICAL DRAWINGS FOR LOCATIONS OF EMERGENCY LIGHTING, EXIT SIGNS, FIRE ALARM EQUIPMENT, ACCESSIBILITY DOOR OPERATORS AND ACCESS SECURITY CONTROLS.

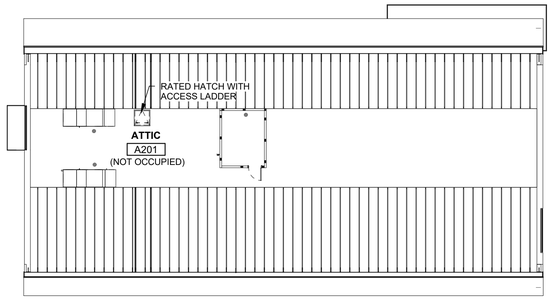
SYMBOLS LEGEND

FEC — FIRE EXTINGUISHER CABINET

F.E. — FIRE EXTINGUISHER WALL MOUNTED

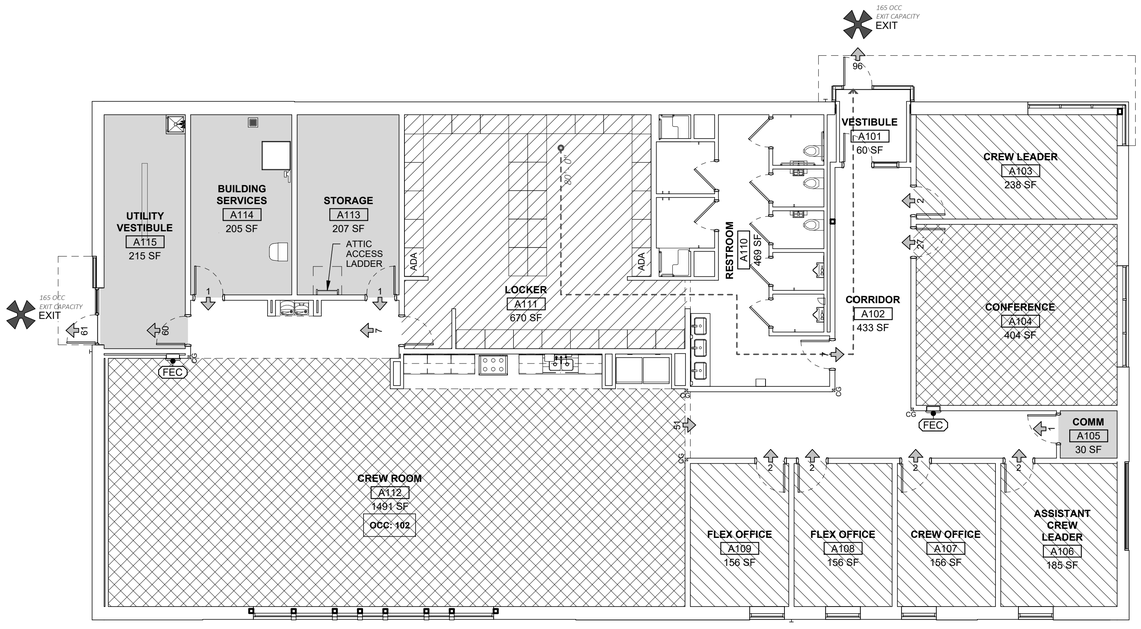
EXIT — EXIT DISCHARGE

— EXIT ACCESS OCCUPANT COUNT



B1 ATTIC FLOOR PLAN

SCALE: 1/16" = 1'-0"



SPACE FUNCTION

- ASSEMBLY
- BUSINESS
- LOCKER ROOM
- ACCESSORY S-1 STORAGE

A1 CODE PLAN

SCALE: 1/8" = 1'-0"

PLAN NORTH TRUE NORTH

Scale: As indicated

No.	Revision	By	Date

Designed by: MARK LEE, AIA

ISSUED FOR BID

LICENSED ARCHITECT — MARK D. LEE #3640 — STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
CODE SUMMARY

SHEET NUMBER: G00-2

CODE ANALYSIS

APPLICABLE CODES

BUILDING CODE	2021 INTERNATIONAL BUILDING CODE (IBC)	**PLUMBING CODE**	PLUMBING CODE, 2021 UNIFORM PLUMBING CODE
STRUCTURAL CODE	ASCE 7-10	**FIRE PROTECTION**	NFPA 13
LIFE SAFETY CODE	2018 NFPA 101 LIFE SAFETY CODE (LSC)	**MECHANICAL CODE**	2021 INTERNATIONAL MECHANICAL CODE
FIRE CODE	2018 NFPA 1, FIRE CODE	**ELECTRICAL CODE**	2023 NATIONAL ELECTRICAL CODE
	2018 NFPA 220, STANDARDS ON TYPES OF BUILDING CONSTRUCTION		
	2018 NFPA 5000, BUILDING CONSTRUCTION AND SAFETY CODE		
ACCESSIBILITY CODE	2010 ADA STANDARDS FOR ACCESSIBLE DESIGN		
	2009 ICC A117.1 ACCESSIBLE AND USEABLE BUILDING AND FACILITIES		

BUILDING CODES - GENERAL

DESCRIPTION	CODE REF. IBC	CODE REF. NFPA	REMARKS
OCCUPANCY CLASSIFICATIONS AND USE DESIGNATIONS	IBC 508 - MIXED USE USE CLASSIFICATION(S): 303 - ASSEMBLY (A-2) 304 - BUSINESS (B) ACCESSORY 311.2 - STORAGE MODERATE-HAZARD GROUP (S-1)	NFPA 101 6.1.14.3 - MIXED OCCUPANCIES USE CLASSIFICATION(S): 6.1.2 - ASSEMBLY (CHAPTER 12) 6.1.11 - BUSINESS (CHAPTER 38) (B) ACCESSORY 6.1.13 - STORAGE ORDINARY-HAZARD (CHAPTER 42) (S)	
ACCESSORY USE	IBC 508 - ANCILLARY S-1 OCCUPANCIES IN THE FACTORY INDUSTRIAL USE AREA WILL BE CLASSIFIED AS ACCESSORY USE WHERE THE AGGREGATE AREA PER FLOOR IS NOT GREATER THAN 10% OF THE FLOOR AREA PER 508.2.3 AND DO NOT REQUIRE SEPARATION 508.2.4 TOTAL ANCILLARY B & S-1 OCCUPANCIES = 565 SF WHICH IS .09 OR 9% OF THE TOTAL FLOOR AREA 5,991 SF FOR THE STORY	NFPA 5000 6.2.1.5 MINOR ACCESSORY USES THAT DO NOT OCCUPY MORE THAN 25% OF THE AREA OF ANY FLOOR, NOR EXCEED THE BASIC AREA PERMITTED FOR THE OCCUPANCY GIVEN BY 7.4.2 FOR SUCH USES, SHALL FOR THE PURPOSE OF DETERMINING THE PERMITTED AREA BE CONSIDERED PART OF THE PRINCIPAL USE OCCUPANCY CLASSIFICATION OF THE BUILDING	IBC REQUIREMENTS FOR ACCESSORY AND INCIDENTAL SPACES ARE MORE STRINGENT THAN NFPA AND WILL BE THE BASIS OF DESIGN.
CONSTRUCTION TYPE	IBC TABLE 601: VB - COMBUSTIBLE, UNPROTECTED	NFPA 5000 CONSTRUCTION TYPE TABLE 7.2.1.1 - V(000) - COMBUSTIBLE, UNPROTECTED	
FIRE-RESISTANCE REQUIREMENTS FOR BUILDING ELEMENTS	IBC TABLE 601 ELEMENT — HOUR RATING PRIMARY STRUCTURAL FRAMING — 0 HRS BEARING WALLS - EXTERIOR — 0 HRS BEARING WALLS - INTERIOR — 0 HRS NONBEARING WALLS - EXTERIOR — 0 HRS NONBEARING WALLS - INTERIOR — 0 HRS FLOOR CONSTRUCTION & SECONDARY MEMBERS — 0 HRS ROOF CONSTRUCTION & SECONDARY MEMBERS — 0 HRS	NFPA 5000 TABLE 7.2.1.1 ELEMENT — HOUR RATING PRIMARY STRUCTURAL FRAMING — 0 HRS BEARING WALLS - EXTERIOR — 0 HRS BEARING WALLS - INTERIOR — 0 HRS NONBEARING WALLS - EXTERIOR — 0 HRS NONBEARING WALLS - INTERIOR — 0 HRS FLOOR CONSTRUCTION & SECONDARY MEMBERS — 0 HRS ROOF CONSTRUCTION & SECONDARY MEMBERS — 0 HRS	
FIRE-RESISTANCE REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION	IBC TABLE 705.5 SEPARATION DISTANCE — HOUR RATING X < 5 FEET — 1 HRS 5 FEET ≤ X < 10 FEET — 1 HRS 10 FEET ≤ X < 30 FEET — 0 HRS X > 30 FEET — 0 HRS	NFPA 5000 TABLE 7.3.2.1 SEPARATION DISTANCE — HOUR RATING X < 5 FEET — 1 HRS 5 FEET ≤ X < 10 FEET — 1 HRS 10 FEET ≤ X < 30 FEET — 0 HRS X > 30 FEET — 0 HRS	
BUILDING HEIGHTS AND STORIES	IBC TABLE 504.3 OCC CLASS: B; CONSTRUCTION TYPE: V B; FIRE PROTECTION: SPRINKLED; ALLOWABLE HEIGHT: 60 FT IBC TABLE 504.4 OCC CLASS: B; CONSTRUCTION TYPE: V B; FIRE PROTECTION: SPRINKLED; ALLOWABLE STORIES: 3	NFPA 5000 TABLE 7.4.1 OCC CLASS: B; CONSTRUCTION TYPE: V (000); FIRE PROTECTION: SPRINKLED; ALLOWABLE HEIGHT: 60 FT NFPA 5000 TABLE 7.4.1 OCC CLASS: B; CONSTRUCTION TYPE: V (000); FIRE PROTECTION: SPRINKLED; ALLOWABLE STORIES: 3	PROPOSED HEIGHT: +/- 31'-2" PROPOSED NUMBER OF STORIES: ONE
BUILDING AREA	IBC 506.2.2 - MIXED OCCUPANCY BUILDING - EQUATION 5-3 Aa = At + (NS x If) WHERE: Aa = ALLOWABLE AREA At = TABULAR AREA (T506.2) NS = TABULAR NON-SPRINKLER AREA (T506.2) If = AREA FACTOR FRONTAGE INCREASE CALCULATED IN ACCORDANCE WITH 506.3 If = 0.75 FROM TABLE 506.3.3 FOR PERCENTAGE OF BUILDING PERIMETER OPEN 75% TO LESS THAN 100% WITH OPEN SPACE GREATER THAT 30 FEET OCC CLASS: A-2 — CALCULATED ALLOWABLE AREA (Aa): 10,500 OCC CLASS: B — CALCULATED ALLOWABLE AREA (Aa): 15,750 ACTUAL AREA FLOOR LEVEL: FIRST — OCCUPANCY CLASS: A-2: 2,347; B: 3,644 SUM OF THE RATIO - CHECK FLOOR LEVEL: FIRST — OCCUPANCY CLASS: A-2: 0.22; B: 0.23 — SUM PER FLOOR (MUST BE < 1.0): 0.45 TOTAL BUILDING RATIO (MUST BE < 1.0): 0.45	NFPA 5000 - EQUATION 7.6.2 Aa = At [1+ (If/100) + (Is/100)] WHERE: Aa = ALLOWABLE AREA At = TABULAR AREA (T7.4.1) If = PERCENTAGE INCREASE FOR FRONTAGE (7.6.2.1) CALCULATED FROM EQUATION 7.6.2.1.b If = 5 Is = PERCENTAGE INCREASE FOR SPRINKLERS (7.6.2.2) Is = 300 OCC CLASS: A-2 — CALCULATED ALLOWABLE AREA (Aa): 22,275 OCC CLASS: B — CALCULATED ALLOWABLE AREA (Aa): 14,758 ACTUAL AREA FLOOR LEVEL: FIRST — OCCUPANCY CLASS: A-2: 2,347; B: 3,644 SUM OF THE RATIO - CHECK FLOOR LEVEL: FIRST — OCCUPANCY CLASS: A-2: 0.11; B: 0.25 — SUM PER FLOOR (MUST BE < 1.0): 0.36 TOTAL BUILDING RATIO (MUST BE < 1.0): 0.36	PROPOSED TOTAL FLOOR AREA 5,991SF NEW SEPARATED MIXED USE PROGRAM IS WITHIN THE ALLOWABLE AREA LIMITS AND THE SUM OF THE RATIOS FOR THE LEVEL AND THE BUILDING ARE STILL WITHIN THE ALLOWABLE LIMITS UNDER BOTH IBC AND NFPA

BUILDING CODES - EGRESS

DESCRIPTION	CODE REF. IBC / NFPA	REMARKS
OCCUPANT LOADS & CALCULATED OCCUPANCY		

OCCUPANT LOADS CHART

SPACE USE / FUNCTION	AREA LOAD FACTORS PER PERSON (SF)	
	IBC TABLE 1004.1.2	NFPA 101 TABLE 7.3.1.2
ACCESSORY MECH EQUIPMENT ROOMS & STORAGE AREAS	300 GROSS	MAX PROBABLE
BUSINESS AREAS	150 GROSS	150 GROSS

CALCULCATED OCCUPANCY

OCCUPANCY SPACE USE / FUNCTION	AREA (SF)	OCC LOAD
ACCESSORY MECH EQUIPMENT ROOMS & STORAGE AREAS	441	3
ASSEMBLY AREAS	1,921	129
BUSINESS AREAS	901	10
LOCKER ROOMS	669	14
TOTAL LEVEL OCC LOAD		156

DESCRIPTION	CODE REF. IBC	CODE REF. NFPA	REMARKS
REQUIRED NUMBER OF EXITS	IBC 1006.3.1 (TABLE 1006.3.3) FOR OCCUPANT COUNTS BETWEEN 1 AND 500 MINIMUM NUMBER OF EXITS - 2	NFPA 101, 7.4.1.1 MINIMUM NUMBER OF EXITS - NOT LESS THAN 2	PROPOSED 2 EXITS AT GRADE
MAXIMUM TRAVEL DISTANCE	IBC TABLE 1017.2 A: 250'-0" WITH SPRINKLERS B: 300'-0" WITH SPRINKLERS	NFPA 101, 7.6 A: 250'-0" WITH SPRINKLERS (12.2.6.2) B: 300'-0" WITH SPRINKLERS (38.2.6.3)	
COMMON PATH OF TRAVEL	IBC TABLE 1006.2.1 A: 250'-0" WITH SPRINKLERS B: 100'-0" WITH SPRINKLERS	NFPA 101 A: 20'-0" WITH OCC > 50, 75'-0" WITH OCC < 50 (12.2.5.1.2) B: 100'-0" WITH SPRINKLERS (38.2.5.3.1)	
DEAD END CORRIDOR	IBC 1020.5 A: 20'-0" B: 50'-0" WITH SPRINKLERS	NFPA 101 A: 20'-0" (12.2.5.1.3) B: 50'-0" WITH SPRINKLERS (38.2.5.2.1)	
EXIT & EXIT ACCESS DOOR ARRANGEMENT	IBC 1007.1.1: NOT LESS THAN 1/3 OF THE OVERALL DIAGONAL DIMENSION WITH SPRINKLERS	NFPA 101, 7.5.1.3.3 NOT LESS THAN 1/3 OF THE OVERALL DIAGONAL DIMENSION WITH SPRINKLERS	
CORRIDOR SIZING & MINIMUM WIDTH	IBC 1018.2 (44" MINIMUM, TABLE 1020.3) IBC 1005.3.2 - OCCUPANT LOAD SERVED X 0.2" PER OCC.	NFPA 101, BUSINESS AREAS: 38 .2.3.2 NOT LESS THAN 44" NFPA 101, TABLE - 7.3.3.1 - 0.2" PER OCCUPANT	
DOOR SIZING & MIMIMUM WIDTH	IBC 1010.1.1 - MINIMUM CLEAR WIDTH - 32" IBC 1005.3.2 - OCCUPANT LOAD SERVED X 0.2" PER OCC.	NFPA 101, 7.2.1.2.3.2 - MINIMUM CLEAR WIDTH - 32" NFPA 101, TABLE - 7.3.3.1 - 0.2" PER OCCUPANT	

BUILDING CODES - FINISHES

DESCRIPTION	CODE REF. IBC	CODE REF. NFPA	REMARKS
INTERIOR WALL/CEILING FINISH CLASSIFICATION	IBC TABLE 803.13 BUSINESS (B) = C IN ROOMS AND ENCLOSED SPACES	NFPA 101 10.2.3.3 - FINISH MUST MEET ASTM E84 OR ANSI/UL 723 BUSINESS (B) 38.3.3.2.2 = A,B, OR C CLASS FINISHES	

BUILDING CODES - FIRE ALARM / SUPPRESSION

DESCRIPTION	CODE REF. IBC	CODE REF. NFPA	REMARKS
FIRE ALARM	IBC 907 - FIRE ALARM AND DETECTION SYSTEMS	NFPA 72	
FIRE SUPPRESSION	IBC 903 A: AUTOMATIC SPRINKLER SYSTEM (903.2.1.2)	NFPA 13	
FIRE EXTINGUISHERS	IBC 906; TABLE 906.3 MAX. DISTANCE OF TRAVEL TO A FIRE EXTINGUISHER: 75 FT MAX. FLOOR AREA PER EXTINGUISHER: 11,250 SF	NFPA 10, TABLE 6.2.1.1 MAX. DISTANCE OF TRAVEL TO A FIRE EXTINGUISHER: 75 FT MAX. FLOOR AREA PER EXTINGUISHER: 11,250 SF	IBC 906.1, 30' MAX TRAVEL DISTANCE TO EXTINGUISHER FROM COMMERCIAL COOKING EQUIPMENT

BUILDING CODE - ENERGY CODE REQUIREMENTS

ENERGY CODE	2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	CLIMATE ZONE	6A CUMBERLAND

THERMAL ENVELOPE REQUIREMENTS

TABLE C402.1.3 C402.1.4 C402.4

ENVELOPE COMPONENT	MINIMUM R OR U VALUE	U TO R VALUE CONVERSION	ENVELOPE COMPONENT	MINIMUM R OR U VALUE	U TO R VALUE CONVERSION	GLAZING MAX SOLAR HEAT GAIN COEFFIECENT (SHGC)		
							FIXED	OPERABLE
ROOF	R30ci	NA	DOORS - OPAQUE SWINGING	U 0.42	~ R2.4	PF < 0.2	.40	.36
WALLS - ABOVE GRADE WOOD FRAMED	R13 + R7.5ci	NA	FENESTRATION - VERTICAL FIXED	U 0.34	~ R2.9	PF ≥ 0.2 ≤ 0.5	.48	.43
						PF ≥ 0.5	.64	.58
WALL - BELOW GRADE	R10ci	NA	FENESTRATION - ENTRANCE DOORS	U 0.63	~ R1.6			
FLOORS - SLAB ON GROUND HEATED	R15 FOR 36" AT PRMTR + R5 FULL SLAB	NA	402.4.1 MAXIMUM AREA FOR VERTICAL FENESTRATION (NOT INCLUDING OPAQUE DOORS AND SPANDREL PANELS) SHALL NOT BE GREATER THAN 30% OF THE GROSS ABOVE-GRADE WALL AREA					

AIA 2030 METRICS:

ANTICIPATED YEAR OF OCCUPANCY: 2026

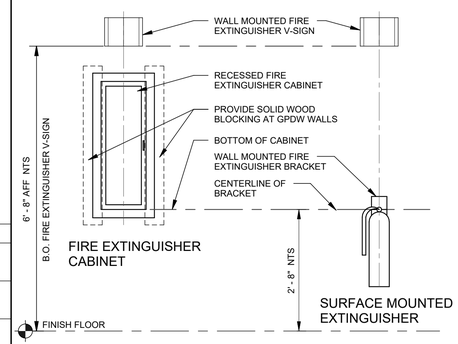
CALCULATIONS IF APPLICABLE:

BASELINE EUI:	XX.XX kBTU / SF/ YR
TARGET EUI:	XX.XX kBTU / SF/ YR
CALCULATED EUI:	XX.XX kBTU / SF/ YR
LPD:	0.XX W / SF
EMBODIED CARBON	
WINDOW / WALL RATIO	XX.XX %

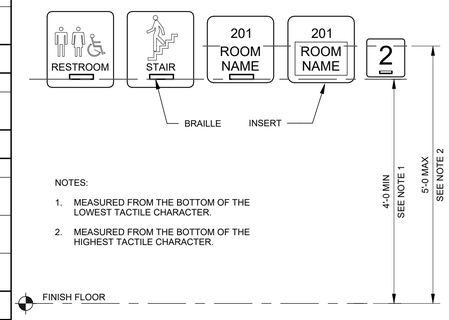
ELECTRICAL ENERGY CODE SUMMARY

PLUMBING FACILITIES

PLUMBING CODE	2021 UNIFORM PLUMBING CODE (TABLE 422.1)																		REMARKS
OCCUPANCY	OCCUPANT LOAD		WATER CLOSETS						LAVATORIES						DRINKING FOUNTAINS			SERVICE SINK		
			RATIO FACTOR		REQUIRED			PROVIDED	RATIO FACTOR		REQUIRED			PROVIDED	RATIO FACTOR	REQUIRED	PROVIDED	REQUIRED	PROVIDED	
	M	F	M	F	M	F	TOTAL		M	F	M	F	TOTAL		PER PERSON					
ASSEMBLY (A-2)	65	65	2:150	3:100	2	3	5	5	1:150	1:150	1	1	2	3	1:250	1	2	1	1	
BUSINESS	5	5	1:50	1:15	1	1	2	5	1:75	1:50	1	1	2	3	1:150	1	2			



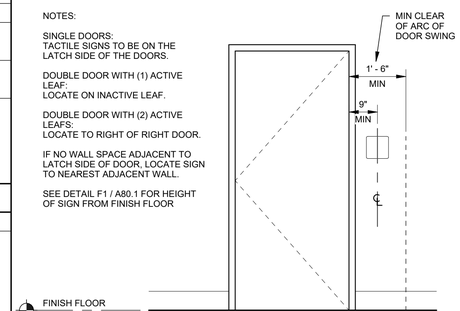
C1 FIRE EXTINGUISHER CABINET
SCALE: 3/4" = 1'-0"



NOTES:

1. MEASURED FROM THE BOTTOM OF THE LOWEST TACTILE CHARACTER.
2. MEASURED FROM THE BOTTOM OF THE HIGHEST TACTILE CHARACTER.

B1 ACCESSIBLE SIGNAGE
SCALE: 1 1/2" = 1'-0"



A1 ACCESSIBLE SIGNAGE LOCATION
SCALE: 1/2" = 1'-0"

Scale: As indicated

No.	Revision	By	Date

Designed by: MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT — MARK D. LEE #3640 — STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

Harriman

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

PROJ.NO: 25116

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
CODE SUMMARY

SHEET NUMBER: G00-3

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.

C1 DRAINAGE NOTES
SCALE: N.T.S

EXISTING		NEW
	BUILDING	
	DOOR	
BIT. PVMT.	BIT. PAVEMENT	
CONC.	CONCRETE	
	CURB	CURB / FLUSH CURB
	CHAIN-LINK FENCE	
	HAND RAIL / OTHER FENCE	
	GUIDE RAIL / STOCKADE FENCE	
	STEEL GUARDRAIL	
	SIGN	
	PIPE BOLLARD	
	WETLAND LIMIT	
	STREAM CENTERLINE	
	TREES	
	TREE LINE	
-98-	CONTOUR	98
x 99.8	SPOT ELEVATION	688.2
	GRADE TO DRAIN	GTD
	SOIL BORING, TEST PIT	
	SILT FENCE	
	BARK / STONE CHECK DAM	
	RIP-RAP	
	CATCH BASIN / DRAIN INLET	
	STEAM MANHOLE	
	STORM DRAIN MANHOLE	
	SEWER MANHOLE	
	TELEPHONE MANHOLE	
	ELECTRIC MANHOLE / PULLBOX	
	WATER VALVE	
	CURB STOP VALVE	
	HYDRANT	
	UTILITY POLE	
	GUY WIRE	
	LIGHT POLE BASE	
	LIGHT BOLLARD	
	FLAG POLE	
	TRANSFORMER PAD	
	GEOTHERMAL WELL	
SD	STORM DRAIN LINE	NSD
UD	UNDER DRAIN LINE	NUD
S	SANITARY SEWER LINE	NS
FM	FORCE MAIN LINE	NFM
W	WATER LINE	NW
UG	GAS / PROPANE LINE	NUG
ST	STEAM LINE	NST
GT	GEOTHERMAL WATER LINE	NGT
UC	UNDERGROUND COMMUNICATION LINE	NUC
UE	UNDERGROUND ELECTRICAL LINE	NUE
UL	UNDERGROUND LIGHTING LINE	NUL
AE	AERIAL ELECTRICAL, TELEPHONE, AND CABLE LINE	NAE
	PROPERTY LINE	
	SETBACK LINE	
	EASEMENT LINE	
	NOT IN CONTRACT	N.I.C.

A1 STANDARD SITE LEGEND
SCALE: N.T.S

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.

B2 EROSION CONTROL NOTES
SCALE: N.T.S

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.
9. FOLLOWING APPROVAL OF THE EXCAVATION LIMITS, AND PRIOR TO THE PLACEMENT OF BACKFILL, THE EXISTING SUBGRADE SHALL BE PROOF COMPACTED AS FOLLOWS:
10. AREAS OF FOOTING EXCAVATION: PROOF COMPACT SUBGRADE WITH 5 PASSES OF A VIBRATORY COMPACTOR HAVING A STATIC WEIGHT OF AT LEAST 500 POUNDS.
11. AREAS OF SLAB EXCAVATION: PROOF COMPACT SUBGRADE TO AT LEAST 95 PERCENT OF ITS MAXIMUM DRY DENSITY.
12. PROOF COMPACTION SHALL BE CONSIDERED INCIDENTAL TO EARTHWORKS PAY ITEMS.
13. PROVIDE 4" LOAM, SEED AND MULCH TO DISTURBED AREAS UNLESS OTHERWISE NOTED. PROVIDE EROSION CONTROL MESH ON ALL SLOPES 6:1 OR STEEPER, AND ALONG DITCH CHANNELS.
14. GRADE SURFACES TO DRAIN AWAY FROM BUILDING. PUDDLING OF WATER IN PAVED OR UNPAVED AREAS WILL NOT BE ACCEPTABLE.
15. MAINTAIN TEMPORARY EROSION CONTROL MEASURES FOR THE FULL DURATION OF CONSTRUCTION. INSPECT WEEKLY AND AFTER EACH STORM AND REPAIR AS NEEDED. REMOVE SEDIMENTS FROM THE SITE, PLACE IN AREA OF LOW EROSION POTENTIAL, AND STABILIZE WITH SEED AND MULCH.
16. PLACE TEMPORARY SOIL STABILIZATION WITHIN 30 DAYS OF INITIAL DISTURBANCE. PLACE PERMANENT SOIL STABILIZATION WITHIN 7 DAYS OF FINAL GRADING.

B3 EARTHWORK & GRADING NOTES
SCALE: N.T.S

CURB ABBREVIATIONS

VGC	NEW VERTICAL GRANITE CURB
SGC	NEW SLOPED GRANITE CURB
FGC	NEW GRANITE CURB FLUSH WITH PAVEMENT
TCE	NEW TAPERED CURB ENDS (TIP DOWNS)
TRC	NEW TRANSITIONAL CURB
BC	NEW BITUMINOUS CURB
CCBC	NEW CAPE COD BITUMINOUS CURB
PCC	NEW PRE-CAST CONCRETE CURB
CCC	NEW CAST-IN-PLACE CONCRETE CURB

PAINT STRIPING ABBREVIATIONS

SWSL	SINGLE WHITE SOLID LINE
SWDL	SINGLE WHITE DASHED LINE
SYSL	SINGLE YELLOW SOLID LINE
SYDL	SINGLE YELLOW DASHED LINE
DYSL	DOUBLED YELLOW SOLID LINE

GENERAL ABBREVIATIONS

NS	NEW SEWER
BIT.	BITUMINOUS
NSD	NEW STORM DRAIN
C.O.	CLEAN-OUT
NSFM	NEW SEWER FORCE MAIN
CONC.	CONCRETE
NSL	NEW SPOT LIGHT
DI.	DRAIN INLET
NUD	NEW UNDERDRAIN
ELEV.	ELEVATION
NUE	NEW UNDERGROUND ELECTRICAL
EXG.	EXISTING
NUG	NEW UNDERGROUND GAS
F.F.E.	FINISHED FLOOR ELEVATION
NUF	NEW UNDERGROUND FUEL
FT	FEET
IN.	INCHES
INV.	INVERT
NW	NEW WATER
MAX.	MAXIMUM
NWF	NEW WALL FIXTURE
MIN.	MINIMUM
P.C.	PRECAST
N.I.C.	NOT IN CONTRACT
R	RADIUS
NCB	NEW CATCH BASIN
S	STRUCTURAL PAD
NFO	NEW FIBER OPTIC
SQ	SQUARE
NGT	NEW GEOTHERMAL WATER
SF	SQUARE FEET
NLP	NEW LIGHT POLE
AC	ACRE
T	TRANSFORMER PAD
TBM	TEMPORARY BENCH MARK
TYP	TYPICAL
W/	WITH
UNO	UNLESS NOTED OTHERWISE

A2 STANDARD SITE ABBREVIATIONS
SCALE: N.T.S

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 IT'S 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.
16. RELOCATE EXISTING TBM INFORMATION ONTO NEW TBM OF CONTRACTORS CHOICE, FOR CONSTRUCTION USE, PRIOR TO REMOVAL OF EXISTING TBM.
17. EXCAVATE AND STOCKPILE ON-SITE TOPSOIL.TOPSOIL IS TO REMAIN THE PROPERTY OF THE OWNER DURING CONSTRUCTION. AFTER FINAL LOAM AND SEED EXCESS TOPSOIL SHALL BE REMOVED FROM SITE BY CONTRACTOR UNLESS INDICATED OTHERWISE.
18. DIMENSIONS ARE TO FACE OF CURB AND TO FACE OF FOUNDATION UNLESS OTHERWISE INDICATED.
19. PAVEMENT EDGES SHALL BE TRUE TO LINE. SAWCUT EXISTING PAVEMENT IN SMOOTH STRAIGHT LINE WHERE NEW PAVEMENT JOINS. PROVIDE TACK COAT LAYER AS SPECIFIED.
20. CONTRACTOR SHALL VERIFY SITE CONDITIONS, INCLUDING TEST PITS TO CONFIRM THE LOCATIONS AND INVERTS OF UTILITIES. REPORT DISCREPANCIES TO ARCHITECT PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK.
21. SUBSURFACE INFORMATION PROVIDED BY: SW COLE IN A REPORT TITLED "EXPLORATION AND GEOTECHNICAL ENGINEERING SERVICES" DATED JULY 11, 2025.
22. EXISTING CONDITIONS PLANS ARE BASED OFF OF DWG FILES PROVIDED BY MTA.
23. WETLAND BOUNDARY INFORMATION PROVIDED BY MAINE TURN PIKE AUTHORITY IN APRIL 2025.

A4 GENERAL SITE & SURVEY NOTES
SCALE: N.T.S

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 TOTHE 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
   FIDIUM FIBER
   MAINE STATE POLICE
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.
13. THE ACCURACY AND COMPLETENESS OF SUBSURFACE INFORMATION IS NOT GUARANTEED. VERIFY SITE CONDITIONS INCLUDING TEST PITS FOR LOCATIONS AND INVERTS OF UTILITIES AND REPORT ANY DISCREPANCIES TO RESIDENT ENGINEER PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK.
14. PLACE 2" THICK TRENCH POLYSTYRENE INSULATION OVER SEWER LINES WHERE DEPTH OF COVER OVER TOP OF PIPE IS 12". PLACE INSULATION ALSO BETWEEN SEWER LINE AND STORM DRAIN OR BETWEEN WATER LINE AND STORM DRAIN WHERE SEPARATION IS LESS THAN 12".
15. WATER LINES SHALL BE INSTALLED BELOW FROST DEPTH COORDINATE WITH LOCAL WATER DISTRICT FOR REQUIREMENTS REGARDING REQUIRED COVER AND SEWER LINE CROSSINGS.
16. PLACE TOP OF EXTERIOR UNDERDRAIN CLEANOUTS IN LAWN OR PLANT BEDS 2" BELOW GRADE.
17. CONCRETE THRUST BLOCKING SHALL BE INSTALLED FOR WATER LINES ACCORDING TO NFPA 23.
18. SEDIMENT SHALL BE REMOVED FROM NEW STORM DRAINS, CATCH BASINS, UNDER DRAINS, AND ALSO FROM EXISTING STORM DRAINS AND CATCH BASINS THAT DIRECTLY RECEIVE RUNOFF FROM THE WORK AREA.
19. SLOPE CONDUITS AWAY FROM BUILDING TO HANDHOLE OR UTILITY POLE TO AVOID GROUND WATER SEEPAGE INTO BUILDING.
20. RESET RIMS OF EXISTING UTILITY STRUCTURES, MANHOLES & CATCH BASINS TO NEW GRADE.
21. PRIOR TO REMOVAL OF UTILITIES, VERIFY UTILITY FUNCTION, MATERIAL, USE, AND CURRENT ACTIVITY. REPORT DISCREPANCIES TO THE ENGINEER FOR DIRECTION PRIOR TO COMMENCING THE WORK ON THAT UTILITY.
22. LOCATION OF UTILITY POLE GUY WIRE SHALL BE COORDINATED WITH CENTRAL MAINE POWER COMPANY.

A5 UTILITY NOTES
SCALE: N.T.S

Scale:

No.	Revision	By	Date

Designed by:

JON R. EARLE, P.E.
ISSUED FOR BID

STATE OF MAINE — JONATHAN ROBERT EARLE — No. 10905 — LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	JRE	10-14-2025	Checked:	FLC	10-14-2025
Drawn:	CWB	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

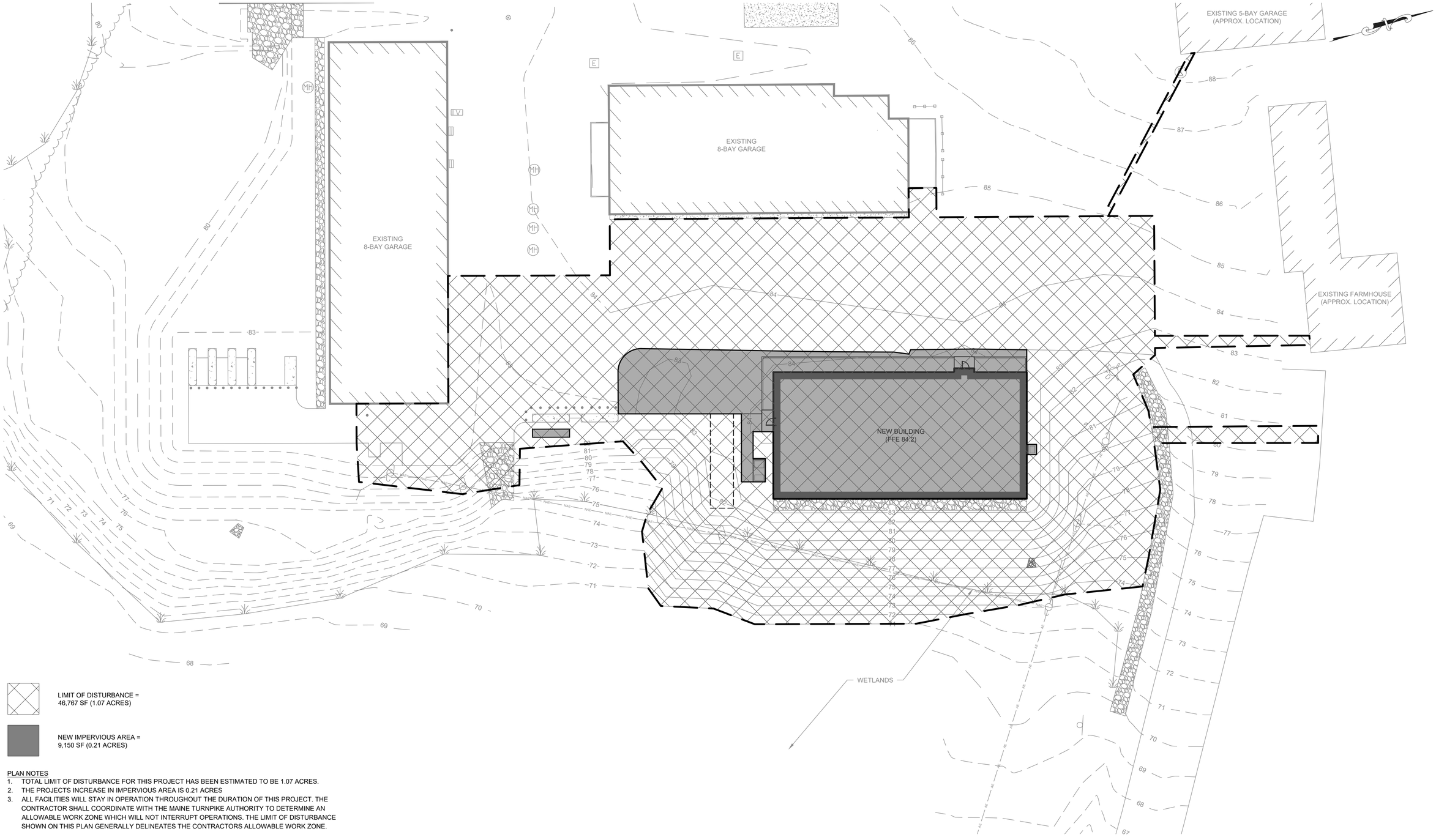
THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING

SITE NOTES

SHEET NUMBER: C00-1



PLAN NOTES

1. TOTAL LIMIT OF DISTURBANCE FOR THIS PROJECT HAS BEEN ESTIMATED TO BE 1.07 ACRES.
2. THE PROJECTS INCREASE IN IMPERVIOUS AREA IS 0.21 ACRES
3. ALL FACILITIES WILL STAY IN OPERATION THROUGHOUT THE DURATION OF THIS PROJECT. THE CONTRACTOR SHALL COORDINATE WITH THE MAINE TURNPIKE AUTHORITY TO DETERMINE AN ALLOWABLE WORK ZONE WHICH WILL NOT INTERRUPT OPERATIONS. THE LIMIT OF DISTURBANCE SHOWN ON THIS PLAN GENERALLY DELINEATES THE CONTRACTORS ALLOWABLE WORK ZONE.

Scale: 20 0 20 40
1"=20'

No.	Revision	By	Date

Designed by:

JON R. EARLE, P.E.
ISSUED FOR BID

JONATHAN ROBERT EARLE No. 10905 LICENSED PROFESSIONAL ENGINEER STATE OF MAINE

	By	Date		By	Date
Designed:	JRE	10-14-2025	Checked:	FLC	10-14-2025
Drawn:	CWB	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

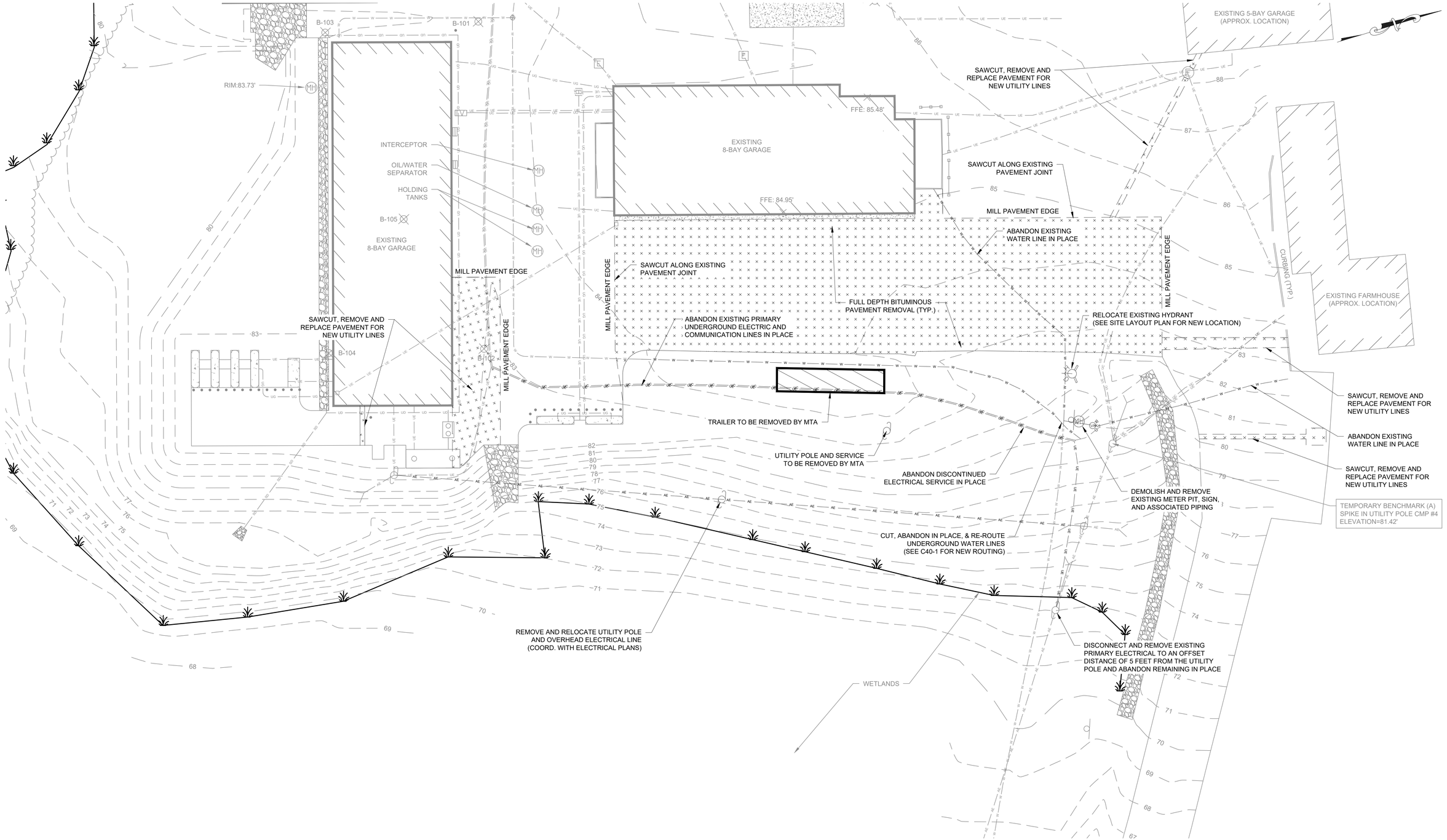
THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING

LIMIT OF DISTURBANCE PLAN

SHEET NUMBER: C00-2



Scale:
20 0 20 40
1"=20'

No.	Revision	By	Date

Designed by:
JON R. EARLE, P.E.
ISSUED FOR BID

STATE OF MAINE
JONATHAN ROBERT EARLE
No. 10905
LICENSED
PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	JRE	10-14-2025	Checked:	FLC	10-14-2025
Drawn:	CWB	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

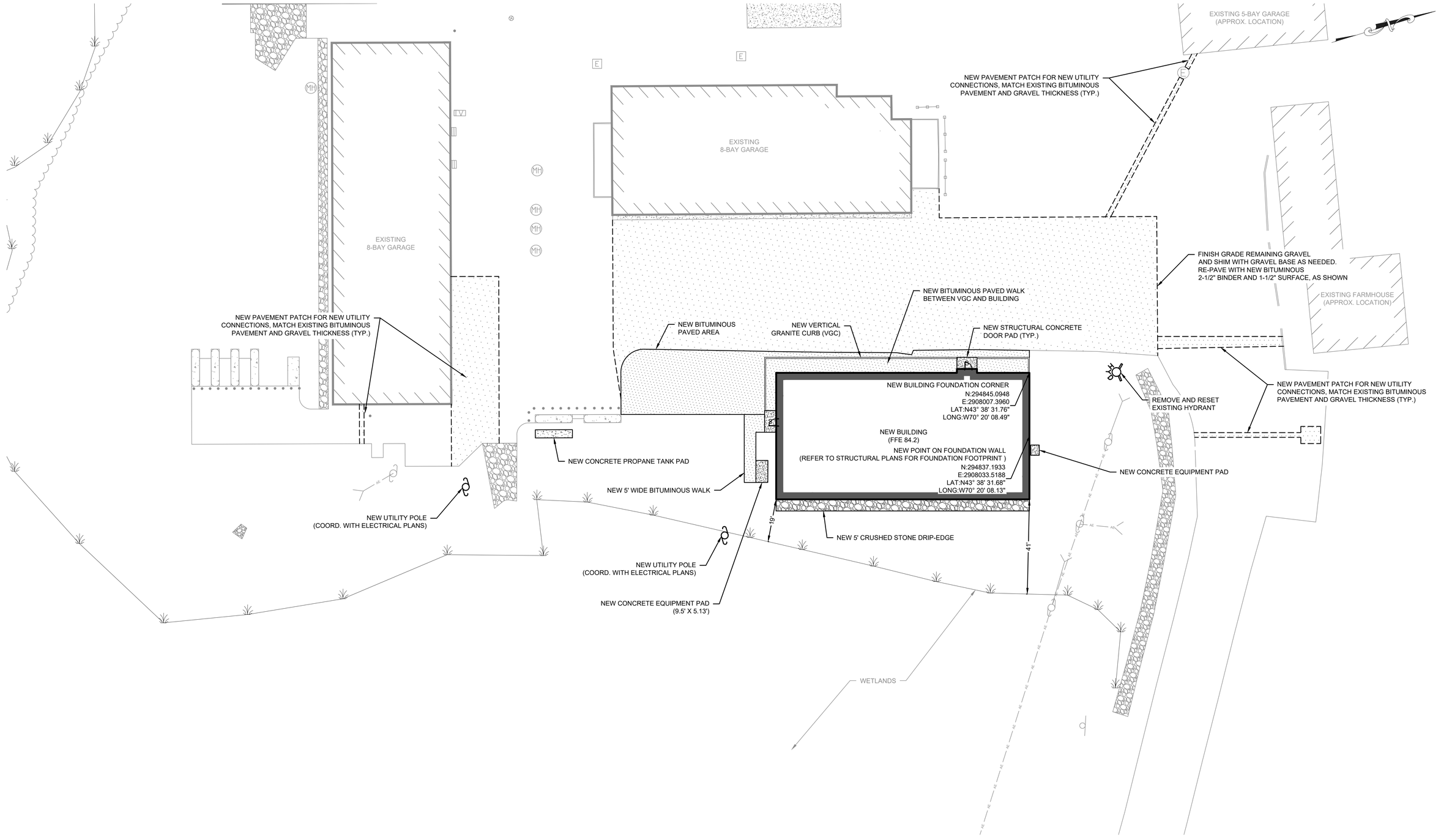
THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING

EXISTING CONDITION AND DEMOLITION PLAN

SHEET NUMBER: C10-1



Scale:
20 0 20 40
1"=20'

No.	Revision	By	Date

Designed by:

JON R. EARLE, P.E.
ISSUED FOR BID

JONATHAN ROBERT EARLE No. 10905 LICENSED PROFESSIONAL ENGINEER STATE OF MAINE

	By	Date		By	Date
Designed:	JRE	10-14-2025	Checked:	FLC	10-14-2025
Drawn:	CWB	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

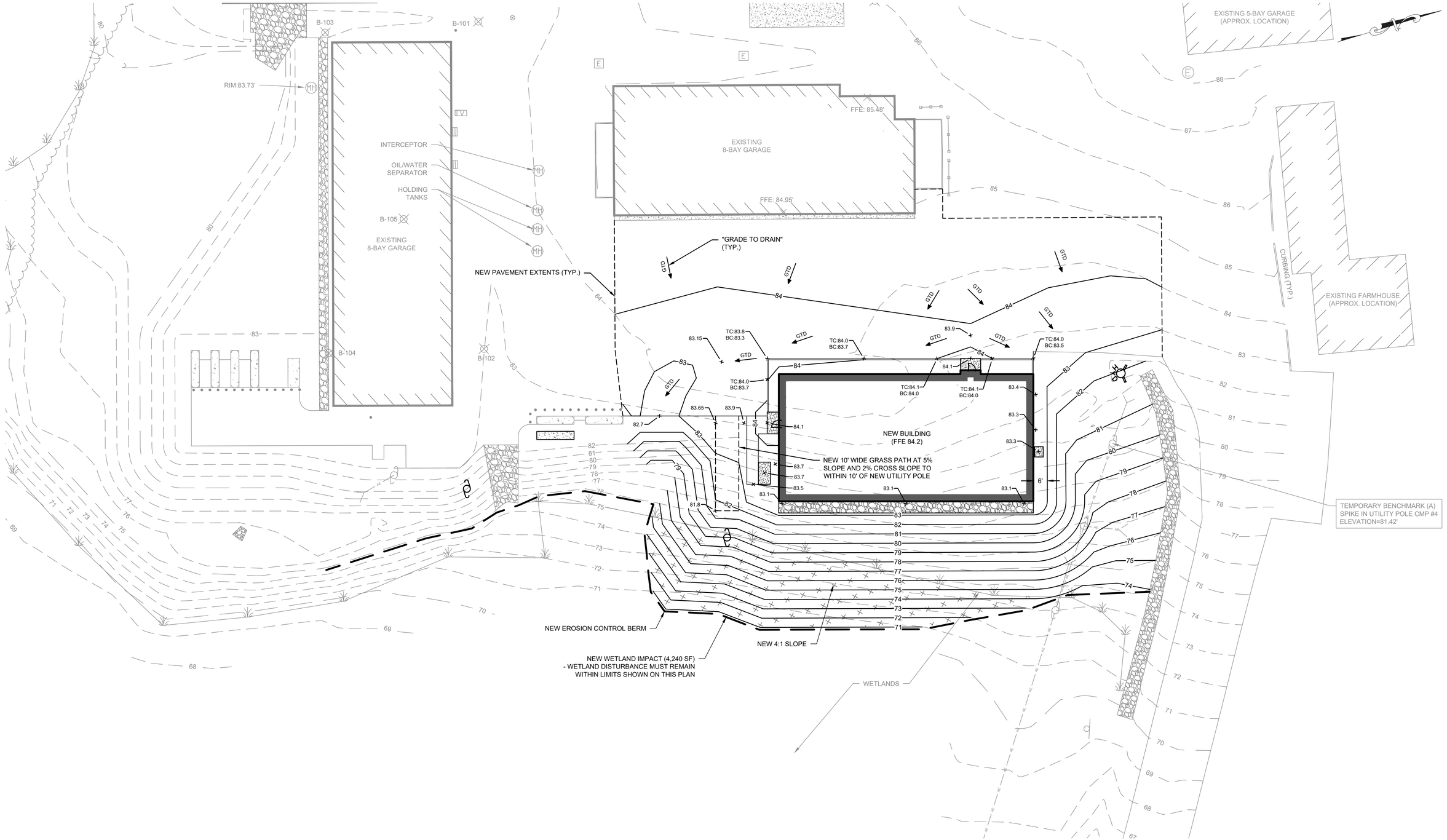
THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING

SITE LAYOUT PLAN

SHEET NUMBER: C20-1



Scale: 1"=20'

No.	Revision	By	Date

Designed by:

JON R. EARLE, P.E.
ISSUED FOR BID

STATE OF MAINE — JONATHAN ROBERT EARLE No. 10905 — LICENSED PROFESSIONAL ENGINEER

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Designed:	JRE	10-14-2025	Checked:	FLC	10-14-2025
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PROJ.NO: 25116

Harriman

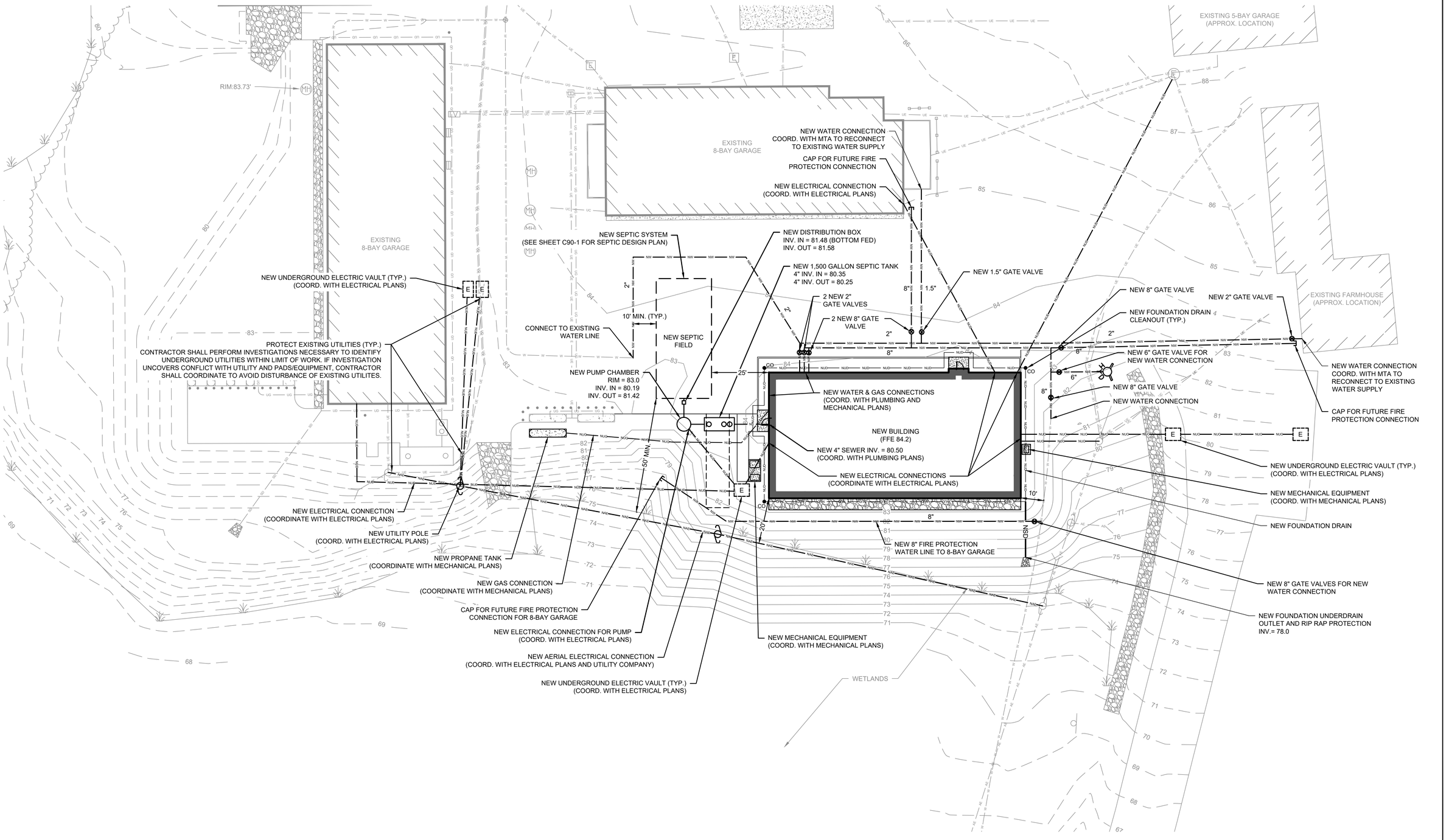
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
SITE GRADING AND EROSION CONTROL PLAN

SHEET NUMBER: C30-1



Scale: 20 0 20 40
1"=20'

No.	Revision	By	Date

Designed by:

JON R. EARLE, P.E.
ISSUED FOR BID

STATE OF MAINE — JONATHAN ROBERT EARLE No. 10905 — LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	JRE	10-14-2025	Checked:	FLC	10-14-2025
Drawn:	CWB	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

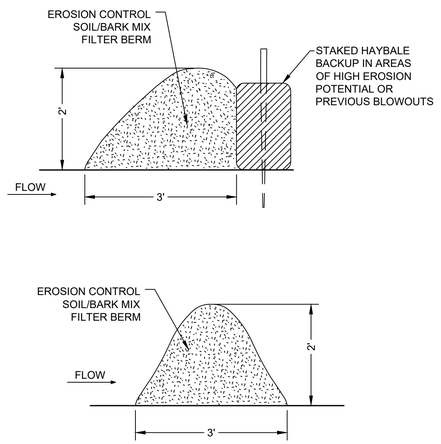
MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING

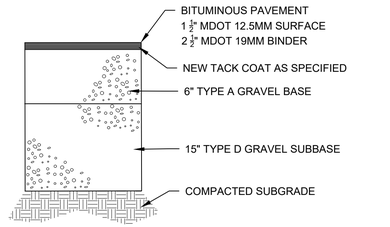
SITE UTILITY PLAN

SHEET NUMBER: C40-1

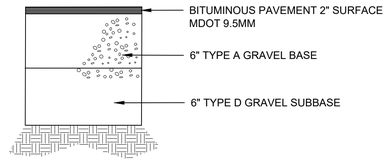
9 OF 88



B1 SEDIMENT FILTER BERM

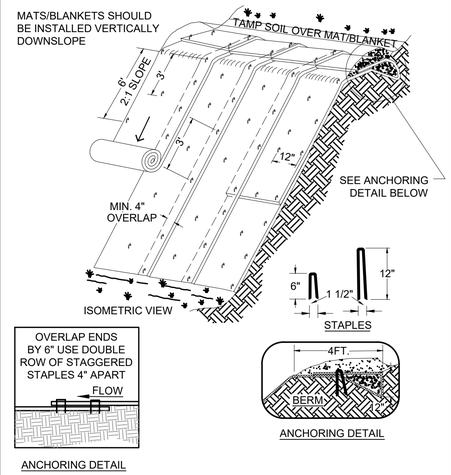


BITUMINOUS ROADS & PARKING

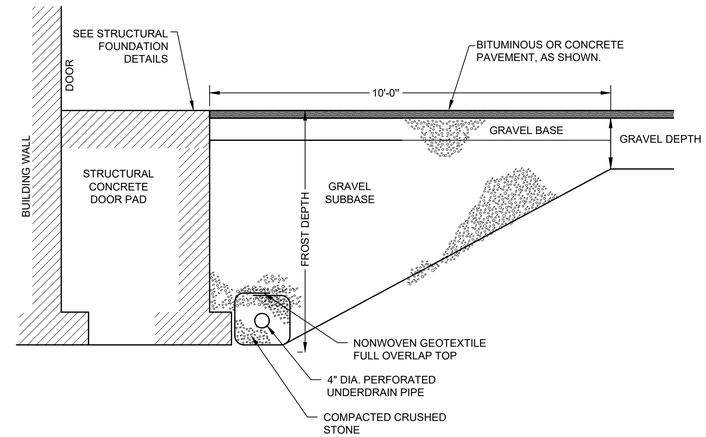


BITUMINOUS WALK

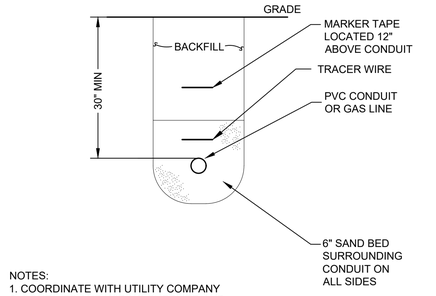
B2 BITUMINOUS PAVEMENT DETAILS
SCALE: N.T.S



B3 SLOPE EROSION CONTROL BLANKET
SCALE: N.T.S



B4 TYPICAL DOORWAY WALK SECTION
SCALE: N.T.S

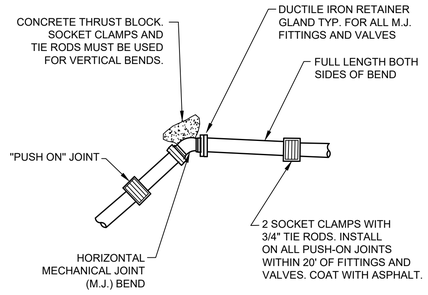


NOTES:
1. COORDINATE WITH UTILITY COMPANY
2. CONDUITS AND WIRING SUPPLIED AND INSTALLED BY DIV. 26.
3. NUMBER AND SIZE OF CONDUITS SHOWN ON ELECTRICAL PLANS

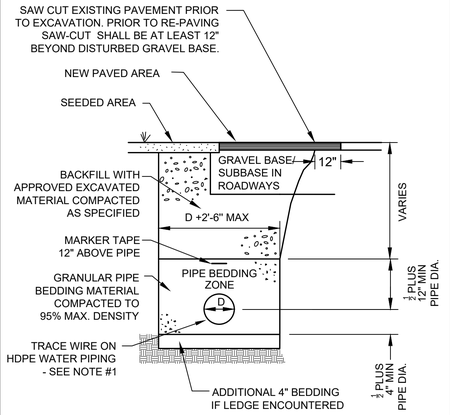
A1 LIGHTING CONDUIT AND GAS TRENCH
SCALE: N.T.S

GENERAL DATA FOR BLOCKING STANDARD FITTINGS
MINIMUM SURFACE AREA OF CONCRETE BLOCK AGAINST UNDISTURBED EARTH - SQ.FT.

PIPE SIZE	HYDRANT, PLUG, CAP, TEE	90° BEND	45° BEND	22.5° BEND	11.25° BEND
4"	4	4	4	3 6	2
6"	8	10	10	12	3
8"	12	16	14	16	4
10"	18	26	20	20	5
12"	26	36	28		7
14"	36	50	36		9
16"	46	64			12

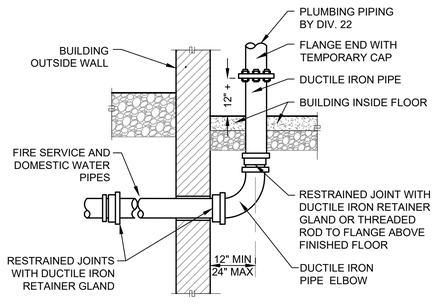


A2 RESTRAINT AT WATERLINE FITTINGS
SCALE: N.T.S



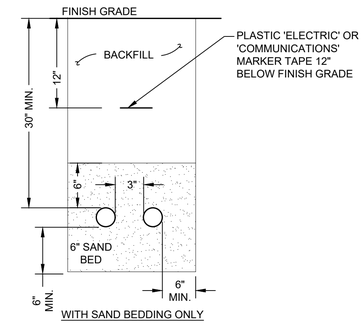
NOTE 1: #12 AWG COPPER CLAD STEEL TRACE WIRE TAPED TO LOWER HALF OF HDPE WATER PIPE CONTINUOUSLY.

A3 TYPICAL PIPE TRENCH
SCALE: N.T.S



NOTE: OPTION - PROVIDE STEEL THREADED ROD RESTRAINTS OUTSIDE WALL AND ON THE RISER THROUGH THE FLOOR.

A4 WATER SERVICE TERMINATION AT BUILDING
SCALE: N.T.S



NOTES:
1. CONDUITS AND WIRING SUPPLIED AND INSTALLED BY DIV. 26..
2. DESIGNATION, NUMBER AND SIZE OF CONDUITS SHOWN ON ELECTRICAL PLANS.
3. COMPACT SAND BEDDING AND EXCAVATED SOIL BACKFILL TO 95% MAXIMUM DRY DENSITY.
4. CONCRETE ENCASEMENT IS BY DIV.31. LOCATIONS, EXTENT OF ENCASEMENT, DEPTH, AND DIMENSIONS ARE SHOWN ON ELECTRICAL ENGINEERING PLANS, SPECIFICALLY E-70, E80 SERIES.

A5 TYP. DUCT BANK SECTION
SCALE: N.T.S

Scale:

No.	Revision	By	Date

Designed by:

JON R. EARLE, P.E.
ISSUED FOR BID

STATE OF MAINE — JONATHAN ROBERT EARLE No. 10905 — LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	JRE	10-14-2025	Checked:	FLC	10-14-2025
Drawn:	CWB	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

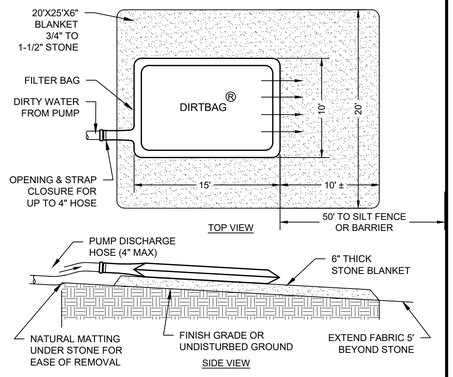
THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING

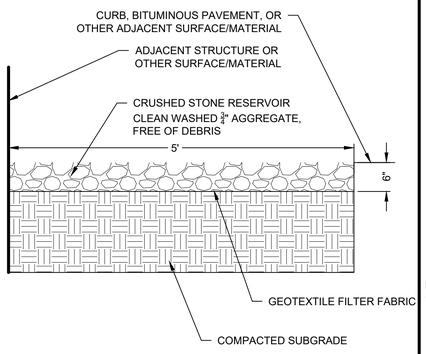
SITE DETAILS

SHEET NUMBER: C50-1

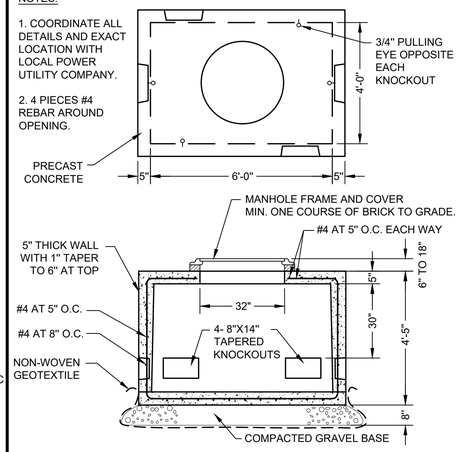


NOTE:
1. DIRT BAG MATERIAL BASED ON PARTICLE SIZE IN DIRTY WATER, I.E., FOR COARSE PARTICLES A WOVEN MATERIAL; FOR SILTS/CLAYS A NON-WOVEN MATERIAL.
2. DO NOT OVER PRESSURIZE DIRT BAG OR USE BEYOND CAPACITY.
3. LOCATE DISCHARGE SITE ON FLAT UPLAND AREAS AS FAR AWAY AS POSSIBLE FROM STREAMS, WETLANDS, OTHER RESOURCES AND POINTS OF CONCENTRATED FLOW.
4. DOWN GRADIENT RECEIVING AREA MUST BE WELL VEGETATED OR OTHERWISE STABLE FROM EROSION, E.G., FOREST FLOOR OR COARSE GRAVEL/STONE.
5. DISCHARGE NOT PERMITTED WITHIN 25' OF A STREAM OR WETLAND. CONSULT DEP IF STRUCTURE MUST BE WITHIN 75' OF A STREAM OR WATER BODY. SECONDARY CONTAINMENT MAY BE REQUIRED.

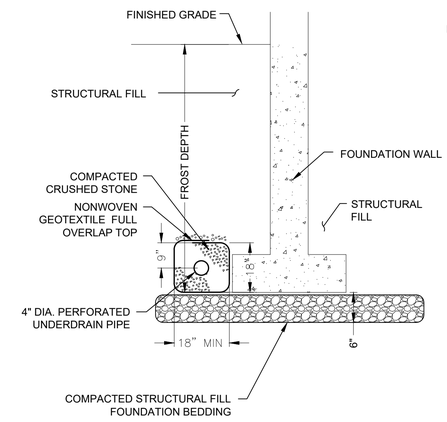
B1 PUMPED DISCHARGE SEDIMENT CONTROL DEVICE
SCALE: N.T.S

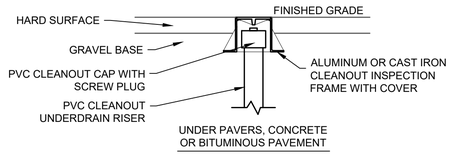


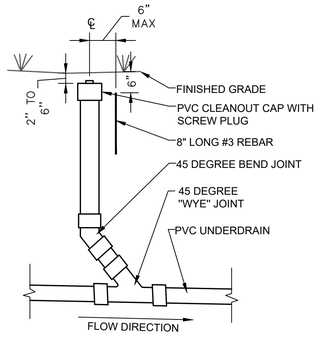
B2 CRUSHED STONE DRIP EDGE
SCALE: N.T.S



B3 P.I.C. CONCRETE ELECTRIC HANDHOLE
SCALE: N.T.S

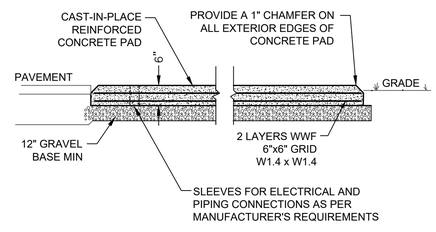




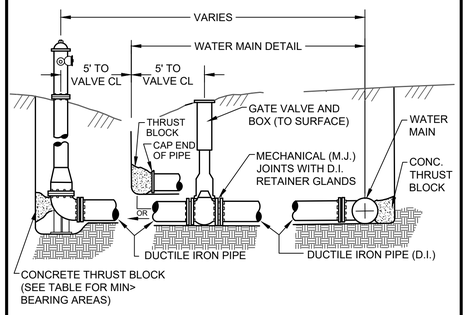


B4 FOUNDATION BEDDING & UNDERDRAIN
SCALE: N.T.S

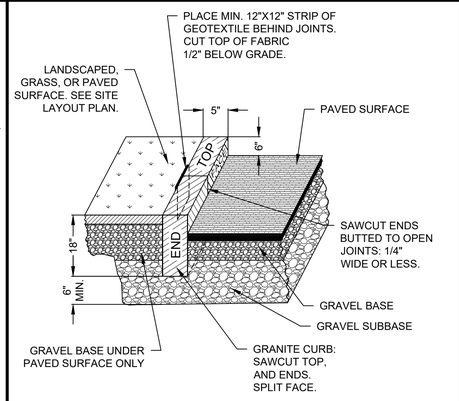
NOTE:
1. CAST-IN-PLACE CONCRETE FLATWORK MATERIAL, REINFORCEING, FORMING, PLACEMENT AND ASSOCIATED COMPOUNDS ARE COVERED UNDER DIVISION 03, AND NOT INCLUDED IN DIVISION 32. SITE GRADING, SOIL FILL MATERIALS, COMPACTION AND BELOW GRADE CONCRETE POSTS ARE INCLUDED IN DIVISIONS 31 & 32.
2. USE PRE-CAST CONCRETE PAD FOR PROPANE TANK.



A1 TYP. UTILITY EQUIPMENT PAD
SCALE: N.T.S

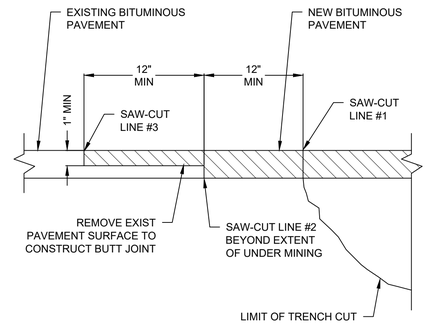


A2 WATER MAIN/FIRE HYDRANT
SCALE: N.T.S

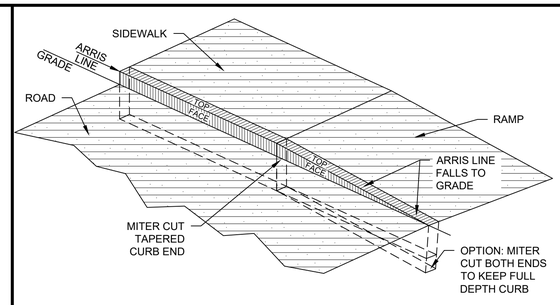


NOTE:
1. USE CURVED SECTIONS FOR CURB RADIUS OF 40' OR LESS.

A3 VERTICAL GRANITE CURBING: VGC
SCALE: N.T.S



A4 PAVEMENT SAW-CUT JOINT
SCALE: N.T.S



VERTICAL TAPERED CURB END

A5 TAPERED CURB END DETAIL (TCE)
SCALE: N.T.S

Scale:

No.	Revision	By	Date

Designed by:
JON R. EARLE, P.E.
ISSUED FOR BID

STATE OF MAINE — JONATHAN ROBERT EARLE No. 10905 — LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	JRE	10-14-2025	Checked:	FLC	10-14-2025
Drawn:	CWB	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING

SITE DETAILS

SHEET NUMBER: C50-2

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
Div Environmental Health , 11 SHS
(207) 287-2070 FAX (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation: SOUTH PORTLAND
Street or Road: 15 MAINE TURNPIKE
Subdivision, Lot #:

>>CAUTION: LPI APPROVAL REQUIRED<<

Town/City _____ Permit # _____
Date Permit Issued __/__/__ Fee $ _____ Double Fee Charged [ ]
_____ L.P.I.#
Local Plumbing Inspector Signature
Fee $ _____ state min. fee $ _____ Locally Adopted Fee
Copy: ☐ Owner ☐ Town ☐ State

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. This Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # 69 Lot # 2A

OWNER/APPLICANT INFORMATION

Name (last, first, MI): MAINE TURNPIKE AUTHORITY — ■ Owner ☐ Applicant
Mailing Address of Owner/Applicant: HARRIMAN C/O JON EARLE 46 HARRIMAN DRIVE AUBURN, ME. 04210
Daytime Tel. #: 207-784-5100

OWNER OR APPLICANT STATEMENT

I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a permit.

Signature of Owner/Applicant — Date

CAUTION: INSPECTION REQUIRED

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.

Local Plumbing Inspector Signature — (1st) Date Approved — (2nd) Date Approved

PERMIT INFORMATION

TYPE OF APPLICATION

■ 1. First Time System
☐ 2. Replacement System
Type Replaced: _____
Year Installed: _____
☐ 3. Expanded System
☐ a. <25% Expansion
☐ b. >25% Expansion
☐ 4. Experimental System
☐ 5. Seasonal Conversion

THIS APPLICATION REQUIRES

■ 1.No Rule Variance
☐ 2.First Time System Variance
☐ a. Local Plumbing Inspector Approval
☐ b. State & Local Plumbing Inspector Approval
☐ 3.Replacement System Variance
☐ a. Local Plumbing Inspector Approval
☐ b. State & Local Plumbing Inspector Approval
☐ 4.Minimum Lot Size Variance
☐ 5.Seasonal Conversion Permit

DISPOSAL SYSTEM COMPONENTS

■ 1. Complete Non-Engineered System
☐ 2. Primitive System(graywater & alt toilet)
☐ 3. Alternative Toilet, specify: _____
☐ 4. Non-Engineered Treatment Tank (only)
☐ 5. Holding Tank _____ gallons
☐ 6. Non-Engineered Disposal Field (only)
☐ 7. Separated Laundry System
☐ 8. Complete Engineered System(2000gpd+)
☐ 9. Engineered Treatment Tank (only)
☐ 10. Engineered Disposal Field (only)
☐ 11. Pre-treatment, specify: _____
☐ 12. Miscellaneous components

SIZE OF PROPERTY

50 ☐ SQ. FT. ■ ACRES

SHORELAND ZONING

☐ Yes ■ No

DISPOSAL SYSTEM TO SERVE

☐ 1. Single Family Dwelling Unit, No. of Bedrooms: ____
☐ 2. Multiple Family Dwelling, No of Units: _____
■ 3. Other: MAINTENANCE BUILDING (specify)
Current Use ☐ Seasonal ☐ Year Round ☐ Undeveloped

TYPE OF WATER SUPPLY

☐ 1. Drilled Well ☐ 2. Dug Well ☐ 3. Private
■ 4. Public ☐ 5. Other: _____

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

(H-20 RATED IF SUBJECTED TO VEHICULAR TRAFFIC)

TREATMENT TANK
■ 1. Concrete
■ a. Regular
☐ b. Low Profile
☐ 2. Plastic
☐ 3. Other: _____
CAPACITY: 1500 GAL.
SEE NOTE ON PAGE 3

DISPOSAL FIELD TYPE & SIZE
☐ 1. Stone Bed ☐ 2. Stone Trench
■ 3. Proprietary Device
■ a. Cluster array ☐ c.Linear
☐ b. Regular ■ d. H-20 loaded
☐ 4. Other: _____
SIZE: 2496 ■ sq. ft. ☐ lin. ft.
35 H-20 RATED CONCRETE CHAMBER UNITS

GARBAGE DISPOSAL UNIT
■ 1. No ☐ 2. Yes ☐ 3. Maybe
If Yes or Maybe, specify one below:
☐ a.Multi-compartment tank
☐ b. _____ tanks in series
☐ c.Increase in tank capacity
☐ d.Filter on tank outlet

DESIGN FLOW
700 gallons per day
BASED ON:
☐ 1.Table 5A (dwelling unit(s))
■ 2.Table 5C (other facilities)
SHOW CALCULATIONS for other facilities
MAINTENANCE BUILDING
35 EMPLOYEES @ 20 GALLONS PER DAY EACH (WITH SHOWERS)

SOIL DATA & DESIGN CLASS
PROFILE CONDITION
12 / B
at Observation Hole # TP 1
Depth " of Most Limiting Soil Factor

DISPOSAL FIELD SIZING
☐ 1. Medium - 2.6 sq.ft./gpd
■ 2. Medium-Large - 3.3 sq.ft./gpd
☐ 3. Large - 4.1 sq.ft./gpd
☐ 4. Extra-Large - 5.0 sq.ft./gpd

EFFLUENT EJECTOR PUMP (H-20 RATED IF SUBJECTED TO VEHICULAR TRAFFIC)
☐ 1. Not required
■ 2. May be required
☐ 3. Required
Specify only for engineered systems: SEE NOTE ON PAGE 3
DOSE: _____ gallons

☐ 3. Section 5G (meter readings) ATTACH WATER-METER DATA

LATITUDE AND LONGITUDE at center of disposal area
Lat. N43 d 38 m 30.28 s
Lon. W70 d 20 m 9.15 s
If g.p.s., state margin of error: _____

SITE EVALUATOR STATEMENT

I certify that on 6/5/25 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Site Evaluator Signature — 352 SE # — 7/4/25 Date

BRADY A. FRICK — (207) 839-5563 — INFO@ALBERTFRICK.COM
Site Evaluator Name Printed — Telephone Number — E-mail Address
ALBERT FRICK ASSOCIATES - 731 FOSS ROAD, LIMERICK, MAINE 04048 - (207) 839-5563
Note: Changes to or deviations from the design should be confirmed with the Site Evaluator

A1 SEPTIC DESIGN - PAGE 1
SCALE: N.T.S

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Health and Human Services
Division of Environmental Health
(207) 287-2070 FAX (207) 287-4172

Town, City, Plantation: SOUTH PORTLAND
Street, Road Subdivision: 15 MAINE TURNPIKE
Owner's Name: MAINE TURNPIKE AUTHORITY

SITE PLAN Scale 1" = 100 Ft. or as shown

SITE LOCATION PLAN (Attach Map from Maine Atlas Recommended)

ALBERT FRICK ASSOCIATES ARE NOT SURVEYORS, PROPERTY INFORMATION APPROXIMATED PER SURVEY PLAN BY HARRIMAN, PROVIDED BY OWNER, TOWN TAX MAP AND AERIAL PHOTOGRAPH. VERIFY PROPERTY LINES TO ASSURE ACCURATE LOCATION PRIOR TO SYSTEM INSTALLATION

NOTE: RELOCATE ALL WATER LINES & UTILITIES TO A MIN. DISTANCE OF 10' FROM PROPOSED DISPOSAL AREA

EXISTING BUILDING · PAVED AREA · PAVED ENTRANCE · APPROX. PROPOSED MAINTENANCE BUILDING (MIN. 20' FROM DISPOSAL AREA) · PROPOSED DISPOSAL AREA (24' X 52') · TP 1 · SITE · RUNNING FILL RD · SCRAMM ROAD · MAINE TURNPIKE · MAINE TURNPIKE

SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole TP 1 ■ Test Pit ☐ Boring
Depth of Organic Horizon Above Mineral Soil (FILL OLDER THAN 20 YEARS OLD PER AERIAL)

Depth (inches)	Texture	Consistency	Color	Mottling
0	SANDY LOAM (FILL)		BROWN	
10		FRIABLE		
20	MIXED LOAMY SAND AND SAND FILL		YELLOWISH BROWN	
30				
40				
50				

DEPTH BELOW MINERAL SOIL SURFACE (inches)

Soil Classification	Slope	Limiting Factor	Ground Water / Restrictive Layer / Bedrock / Pit Depth
Profile 12	B	"	
Condition	0-3 %	"	

Observation Hole ☐ Test Pit ☐ Boring
Depth of Organic Horizon Above Mineral Soil

Depth (inches)	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

DEPTH BELOW MINERAL SOIL SURFACE (inches)

Soil Classification	Slope	Limiting Factor	Ground Water / Restrictive Layer / Bedrock / Pit Depth
Profile			
Condition			

Site Evaluator Signature — 352 SE # — 7/4/25 Date

ALBERT FRICK ASSOCIATES – 731 FOSS ROAD, LIMERICK, MAINE 04048 – (207) 839-5563

A1 SEPTIC DESIGN - PAGE 2
SCALE: N.T.S

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Health and Human Services
Division of Environmental Health
(207) 287-2070 FAX (207) 287-4172

Town, City, Plantation: SOUTH PORTLAND
Street, Road, Subdivision: 15 MAINE TURNPIKE
Owner's Name: MAINE TURNPIKE AUTHORITY

SUBSURFACE WASTEWATER DISPOSAL PLAN SCALE 1" = 30 FT.

NOTE: THOROUGHLY SCARIFY UNDER ENTIRE DISPOSAL FIELD, SHOULDER AREA, & FILL EXTENSION AREA PRIOR TO FILL PLACEMENT, THEN BLEND FIRST 6" LIFT OF FILL INTO EXISTING SOIL SURFACE TO PROMOTE MIXING

ERP: ELEVATIONS PER SURVEY PLAN PROVIDED

EDGE OF PAVEMENT · PAVED PARKING · APPROX. PROPOSED MAINTENANCE BUILDING (MIN. 20' FROM DISPOSAL AREA) · NEW 1500 GALLON CONCRETE SEPTIC TANK LOCATE WHERE FEASIBLE, 8' MIN. FROM BUILDING STRUCTURE SET AT HIGH ENOUGH ELEVATION TO PROVIDE GRAVITY FLOW OR PROVIDE PUMP STATION · EXISTING BUILDING · EXISTING GRADE AT CORNER · PUMP STATION IF NEEDED (TO BE DESIGNED BY OTHERS) · IF PUMPING USE 1 1/2" TO 2" DIA. EFFLUENT LINE BURIED BELOW FROST OR INSULATE TO PROTECT FROM FREEZING OR IF GRAVITY FLOW USE 4" DIA. SDR35 SOLID PVC. (ASSURE WATERTIGHTNESS) · APPROXIMATE TOE OF FILL (MIN. 4:1 SLOPE) · DISTRIBUTION BOX (BOTTOM FEED IF PUMPING) INSULATE PER CODE · 5' SHOULDER · CROSS SECTION · TOP OF EMBANKMENT

GRAPHIC SCALE 0 15 30

PROPOSED DISPOSAL AREA (3 ROWS OF 13 H-20 RATED CONCRETE CHAMBER UNITS EACH)

FILL REQUIREMENTS
Depth of Fill (Upslope/66'+/- BOX CUT) = 0"
Depth of Fill (Downslope/93'+/- BOX CUT) = 0" - 12"
DEPTHS AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS
Finished Grade Elevation
Top of Distribution Pipe or Proprietory Device
Bottom of Disposal Area
SEE DETAIL BELOW

ELEVATION REFERENCE POINT
Location & Description: ELEVATIONS PER SURVEY PLAN
Reference Elevation is: 0.0" or _____

DISPOSAL AREA CROSS SECTION
SCALE: VERTICAL 1" = 5 FT. HORIZONTAL 1" = 10 FT.
5' SHOULDER · 24' · 5' SHOULDER · EXISTING GRADE · SCARIFY (SEE NOTE ABOVE) · CONSTRUCTION ELEVATIONS 83' to 84' · 82' · 80, 92' · 80, 92' · GEOTEXTILE FABRICS (4 oz.min.) · CLEAN BACKFILL · CLEAN STONE 1 1/2" dia. · CONCRETE CHAMBER DETAIL (no scale) · 1 1/2 INCH CLEAN CRUSHED STONE PLACE 12" THICKNESS OF CRUSHED STONE AROUND ENTIRE PERIMETER AND 6" BENEATH CHAMBER UNITS · REMOVE ALL PORTIONS OF UNCONTROLLED FILL MATERIAL ENCANTERED TO A MINIMUM DEPTH OF 2' UNDERNEATH AND 5' ALONGSIDE DISPOSAL AREA AND REPLACE WITH CLEAN GRAVELLY COARSE SAND FILL

Site Evaluator Signature — 352 SE # — 7/4/25 Date

ALBERT FRICK ASSOCIATES – 731 FOSS ROAD, LIMERICK, MAINE 04048 – (207) 839-5563

A1 SEPTIC DESIGN - PAGE 3
SCALE: N.T.S

Albert Frick Associates, Inc.
731 Fox Road Limerick, Maine 04048
(207) 839-5563

SOUTH PORTLAND — 15 MAINE TURNPIKE — MAINE TURNPIKE AUTHORITY
TOWN — LOCATION — APPLICANT'S NAME

1) The Plumbing and Subsurface Wastewater Disposal Rules adopted by the State of Maine, Division of Health and Human Services pursuant to 22 M.R.S.A. § 42 (the "Rules") are incorporated herein by reference and made a part of this application and shall be consulted by the owner/applicant, the system installer and/or building contractor for further construction details and material specifications. The system Installer should contact Albert Frick Associates, Inc. 839-5563, if there are any questions concerning materials, procedures or designs. The system installer and/or building contractor installing the system shall be solely responsible for compliance with the Rules and with all state and municipal laws and ordinances pertaining to the permitting, inspection and construction of subsurface wastewater disposal systems.

2) This application is intended to represent facts pertinent to the Rules only. It shall be the responsibility of the owner/applicant, system Installer and/or building contractor to determine compliance with and to obtain permits under all applicable local, state and/or federal laws and regulations (including, without limitation, Natural Resources Protection Act, wetland regulations, zoning ordinances, subdivision regulations, Site Location of Development Act and Minimum Lot Size law) before installing this system or considering the property on which the system is to be installed a "buildable" lot. It is recommended that a wetland scientist be consulted regarding wetland regulations. Prior to the commencement of construction/installation, the local plumbing inspector or Code Enforcement Officer shall inform the owner/applicant and Albert Frick Associates, Inc of any local ordinances which are more restrictive than the Rules in order that the design may be amended. All designs are subject to review by local, state and/or federal authorities. Albert Frick Associates, Inc.'s liability shall be limited to revisions required by regulatory agencies pursuant to laws or regulations in effect at the time of preparation of this application.

3) All information shown on this application relating to property lines, well locations, subsurface structures and underground facilities (such as utility lines, drains, septic systems, water lines, etc.) are based upon information provided by the owner/applicant and has been relied upon by Albert Frick Associates, Inc. in preparing this application. The owner/applicant shall review this application prior to the start of construction and confirm this information. Well locations on abutting properties but not readily visible above grade should be confirmed by the owner/applicant prior to system installation to assure minimum setbacks.

4) Installation of a garbage (grinder) disposal is not recommended. If one is installed, an additional 1000 gallon septic tank or a septic tank filter shall be connected in series to the proposed septic tank. Risers and covers should be installed over the septic tank outlet per the "Rules" to allow for easy maintenance of filter.

5) The septic tank should be pumped within two years of installation and subsequently as recommended by the pump service, but in no event should the septic tank be pumped less often than every three years.

The system user shall avoid introducing kitchen grease or fats into this system. Chemicals such as septic tank cleaners and/or chlorine or water treatment backwash and controlled or hazardous substances shall not be disposed of in this system. Additives such as yeast or enzymes are discouraged, since they have not been proven to extend system life.

6) All septic tanks, pump stations and additional treatment tanks shall be installed to prevent ground water and surface water infiltration. Risers and covers should be properly installed to provide access while preventing surface water intrusion to finished ground surface.
One 18" dia. (min) riser and cover is required over septic tank
Vehicular traffic over disposal system is prohibited unless specifically designed with H-20 rated components.

A1 SEPTIC DESIGN - PAGE 4
SCALE: N.T.S

ATTACHMENT TO SUBSURFACE WASTEWATER DISPOSAL APPLICATION

SOUTH PORTLAND — 15 MAINE TURNPIKE — MAINE TURNPIKE AUTHORITY
TOWN — LOCATION — APPLICANT'S NAME

7) The actual waste water flow or number of bedrooms shall not exceed the design criteria indicated on this application without a re-evaluation of the system as proposed

8) The general minimum setbacks between a well (public or private) and septic system serving a single family residence is 100-300 feet, unless the local municipality has a more stringent requirement. A well installed by an abutter within the minimum setback distances prior to the issuance of a permit for the proposed disposal system may void this design.

9) When a gravity system is proposed: BEFORE CONSTRUCTION/INSTALLATION BEGINS, the system installer or building contractor shall review the elevations of all points given in this application and the elevation of the existing and/or proposed building drain and septic tank inverts for compatibility to minimum pitch requirements. In gravity systems, the invert of the septic tank(s) outlet(s) should be at least 4 inches above the invert of the distribution box outlet at the disposal area.

10) When an effluent pump is required: Pump stations should be sized per manufacturer's specifications to meet lift requirements and friction loss. Provisions shall be made to make certain that surface and ground water does not enter the septic tank or pump station, by sealing/grouting all seams and connections, and by placement of a riser and 18" dia.(min.) cover at or above grade.
An alarm device warning of a pump failure shall be installed. Also, when pumping is required of a chamber system, install a 'T' connection in the distribution box and place 3 inches of stone or a splash plate in the first chamber. Insulate gravity pipes, pump lines and the distribution box as necessary to prevent freezing.

11) On all systems, remove the vegetation, organic duff and old fill material from under the disposal area and any fill extension. Additional fill beyond indicated on plan may be necessary to replace organic matter. On sites where the proposed system is to be installed in natural soil, scarify the bottom and sides of the excavated disposal area with a rake. Do not use wheeled equipment on the scarified soil surface. For systems installed in fill, scarify the native soil by roto-tilling or scarifying with teeth of backhoe to a depth of at least 8 inches over the entire disposal and fill extension area to prevent glazing and to promote fill bonding. Place fill in loose layers no deeper than 8 inches and compact before placing more fill (this ensures that voids and loose pockets are eliminated to minimize the chance of leakage or differential settling). Do not use wheeled equipment on the scarified soil area until after 12 inches of fill is in place. Keep equipment off proprietary devices. Divert the surface water away from the disposal area by ditching or shallow landscape swales.

12) Unless noted otherwise, fill shall be gravelly coarse sand, which contains no more that 5% fines (silt and clay). Crushed stone shall be clean and free of any rock dust from the crushing process.

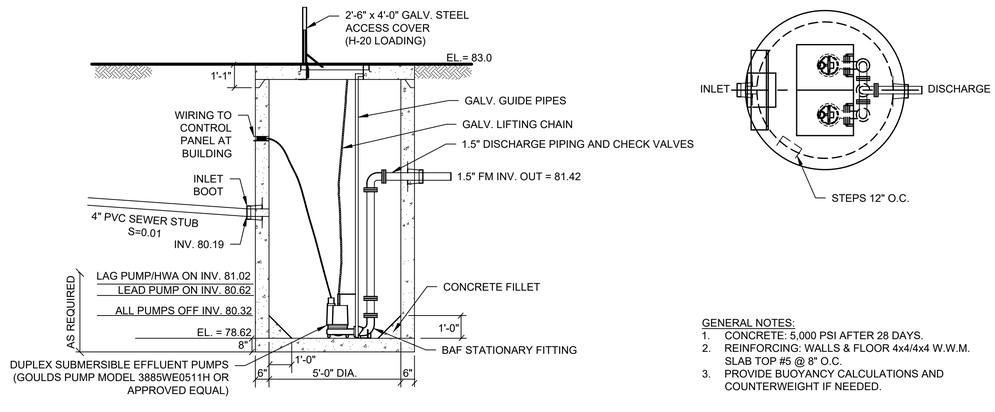
13) Do not install systems on loamy, silty, or clayey soils during wet periods since soil smearing/glazing may seal off the soil interface.

14) Seed all filled and disturbed surfaces with perennial grass seed, with 4" min. soil or soil amendment mix suitable for growing, then mulch with hay or equivalent material to prevent erosion. Alternatively, bark or permanent landscape mulch may be used to cover system. Woody trees or shrubs are not permitted on the disposal area or fill extensions.

15) If an advanced wastewater treatment unit is part of the design, the system shall be operated and maintained per manufacturer's specifications.

Albert Frick Associates, Inc.
731 Fox Road Limerick, Maine 04048
(207) 839-5563

A1 SEPTIC DESIGN - PAGE 5
SCALE: N.T.S



GENERAL NOTES:
1. CONCRETE: 5,000 PSI AFTER 28 DAYS.
2. REINFORCING: WALLS & FLOOR 4x4/4x4 W.W.M. SLAB TOP #5 @ 8" O.C.
3. PROVIDE BUOYANCY CALCULATIONS AND COUNTERWEIGHT IF NEEDED.

A2 PUMP STATION DETAIL
SCALE: N.T.S

Scale:

No.	Revision	By	Date

Designed by: JON R. EARLE, P.E.
ISSUED FOR BID

JONATHAN ROBERT EARLE No. 10905 LICENSED PROFESSIONAL ENGINEER STATE OF MAINE

	By	Date		By	Date
Designed:	JRE	10-14-2025	Checked:	FLC	10-14-2025
Drawn:	CWB	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
SEPTIC DESIGN

SHEET NUMBER: C90-1

GENERAL NOTES:

1. STRUCTURAL DRAWINGS SHALL BE USED WITH ADDITION TO JOB SPECIFICATIONS, ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, CIVIL, AND SITE DRAWINGS. THESE DRAWINGS SHALL BE USED TO COORDINATE LOCATIONS AND DIMENSIONS OF ITEMS SUCH AS OPENINGS, CHASES, INSERTS, SLEEVES, DEPRESSIONS, AND OTHER INFORMATION NOT PROVIDED IN THE STRUCTURAL DRAWINGS. ANY INCONSISTENCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO COMMENCING THE WORK AFFECTED.

2. CONTRACTOR SHALL REPORT ANY VARIATIONS FOUND AT THE SITE BEFORE PROCEEDING WITH THAT PART OF THE WORK.

3. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER ALL OF THE STRUCTURAL WORKED PROVIDED IN THE STRUCTURAL DRAWINGS HAVE BEEN COMPLETED. ALL ERECTION PROCEDURES, SEQUENCES, SHORING, ETC. REQUIRED TO ENSURE THE SAFETY OF THE BUILDING AND ITEMS ASSOCIATED WITH THE BUILDING DURING THE ERECTION/CONSTRUCTION PHASE IS MEANS-AND-METHODS AND IS SOLELY THE CONTRACTORS RESPONSIBILITY INCLUDING BUT NOT LIMITED TO SHORING, TEMPORARY BRACING, ETC.

4. SECTIONS AND DETAILS ON THE STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS AS DETERMINED BY THE STRUCTURAL ENGINEER.

5. ALL FEDERAL, STATE AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED AS APPLICABLE FOR THE PROJECT.

6. SPECIAL INSPECTIONS ARE REQUIRED FOR THIS PROJECT. REFERENCE SPECIFICATION SECTION 014533a AND 014533b FOR ADDITIONAL INFORMATION.

DESIGN INFORMATION:

1. **BUILDING CODE**
   MAINE UNIFORM BUILDING AND ENERGY CODE
   INTERNATIONAL BUILDING CODE 2021
   ASCE 7-16 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES

2. **LIVE LOADS:**

MEETING ROOMS / LOUNGES =	100 PSF	/ -
TOILET ROOMS =	60 PSF	/ -
LOBBIES, STAIRS AND EXITS =	100 PSF	/ 2,000#
MECHANICAL ROOMS =	200 PSF	/ -
LIGHT STORAGE =	125 PSF	/ -
OFFICES =	50 PSF	/ -
ROOF LIVE LOAD =	20 PSF	
PV PANEL FUTURE ALLOWANCE =	5 PSF	

   LIVE LOADS HAVE BEEN REDUCED WHERE ALLOWED IN ACCORDANCE WITH IBC 2021 SECTION 1607.12 AND ASCE 7-16 SECTION 4.7.

SNOW LOAD:

GROUND SNOW LOAD (P_g) =	60 PSF (SOUTH PORTLAND, MAINE)
EXPOSURE FACTOR (C_e) =	1.0
THERMAL FACTOR (C_t) =	1.1
IMPORTANCE FACTOR (I_s) =	1.0
FLAT ROOF SNOW LOAD (P_f) =	46 PSF + DRIFT LOADS

SNOW DRIFTS AND WIDTHS HAVE BEEN INCLUDED IN ACCORDANCE WITH ASCE 7-16 SCETION 7.7.

WIND LOAD:

RISK CATEGORY =	II
BASIC WIND SPEED (V_{ULT}) =	115
BASIC WIND SPEED (V_{ASD}) =	90
EXPOSURE CATEGORY =	B
INT. PRESSURE COEF. (GCpi) =	+/- 0.18

COMPONENTS AND CLADDING: PER ASCE 7-16 (SEE TABLES ON THIS DWG)

SEISMIC LOAD:

SOIL SITE CLASS =	D
IMPORTANCE FACTOR (Ie) =	1.0
Ss =	0.284
S1 =	0.072
Sds =	0.298
Sd1 =	0.115
SEISMIC DESIGN CATEGORY =	B

S.F.R. SYSTEM = LIGHT-FRAME WOOD WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE (R=6.5)

ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE	
Cs =	0.05
BASE SHEAR (V) =	9.5 KIPS

FOUNDATIONS (SOIL SUPPORTED):

1. FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH A REPORT ENTITLED "PROPOSED MAINTENANCE BUILDING MTA CROSBY MAINTENANCE FACILITY SOUTH PORTLAND, MAINE" PREPARED BY S.W. COLE ENGINEERING, INC. DATED JULY 11, 2025.

2. WALL AND COLUMN FOOTINGS DESIGNED FOR A NET ALLOWABLE SOIL BEARING PRESSURE OF 3000 PSF.

3. IF ADEQUATE SOIL BEARING IS NOT ENCOUNTERED AT THE INDICATED BOTTOM OF FOOTING LOCATION, CONTRACTOR IS TO REPORT TO THE GEOTECHNICAL ENGINEER BEFORE PROCEEDING WITH FOOTING PLACEMENT.

4. ALL EXCAVATIONS FOR THE FOUNDATION SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER BEFORE PLACING ANY CONCRETE FOOTINGS. COORDINATE INSPECTION W/ CONSTRUCTION DOCUMENTS AND SPECIAL INSPECTION REQUIREMENTS.

5. EXISTING FILLS SHALL BE REMOVED BENEATH THE BUILDING FOOTPRINT AT A 1H:1V BEARING SPLAY FROM EDGE OF FOOTINGS. THE OVER-EXCAVATED AREA SHOULD BE BACKFILLED WITH COMPACTED GRANULAR BORROW.

CONCRETE:

1. STRENGTH OF CONCRETE AT 28 DAYS SHALL BE:
   A. WALLS AND FOOTINGS - 3500 PSI
   B. EXTERIOR SLABS - 5000 PSI
   C. INTERIOR SLABS - 3000 PSI

2. ALL EXTERIOR FOOTINGS TO BE MIN. 4'-6" BELOW FINISH GRADE FOR FROST PROTECTION.

3. TOP OF ALL INTERIOR FOOTINGS TO BE MIN. 8" BELOW BOTTOM OF FLOOR SLAB UNLESS NOTED OTHERWISE.

4. BOTTOM OF ALL FOOTINGS TO BE ON ADEQUATE SOIL BEARING.

5. SEE SPECIFICATIONS FOR SPECIAL REQUIREMENTS FOR ARCHITECTURAL EXPOSED CONCRETE, ANCHORING OF MASONRY TO CONCRETE WALLS AND COLUMNS, AND CHAMFER OF EXTERNAL CORNERS OF CONCRETE BEAMS, GIRDERS, COLUMNS, ETC. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS FOR SIZE AND LOCATION OF DOOR FRAMES, THRESHOLDS, ETC., AND CONCRETE PADS, PIERS, PIPE SLEEVES, ETC.

6. ALL REINFORCING STEEL TO BE ASTM-A615 GRADE 60, DETAILED AND FABRICATED IN ACCORDANCE WITH THE "ACI MANUAL OF STANDARD PRACTICE" (ACI-315-LATEST).

7. WELDED WIRE FABRIC SHALL CONFORM TO ASTM ASTM A-165.

8. REINFORCEMENT TO HAVE MIN. CONCRETE COVER AS FOLLOWS:
   A. CONCRETE DEPOSITED AGAINST GROUND, INCLUDING FOOTINGS - 3"
   B. CONCRETE EXPOSED TO EARTH OR WEATHER.INCLUDING WALKS, PIERS, WALLS, COLUMNS, AND EXTERIOR SLABS - 1 1/2" (#5 OR SMALLER AND 2" (#6 OR LARGER)
   C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
      1. SLABS, WALLS, AND JOISTS - 3/4"
      2. BEAMS AND COLUMNS, TIES, STIRRUPS, REINFORCEMENT - 1 1/2"

9. ALL ITEMS THAT ARE TO BE EMBEDDED INTO CONCRETE SHALL BE SECURED IN PLACE PRIOR TO THE CONCRETE PLACEMENT. UTILIZE ADDITIONAL REINFORCEMENT, TEMPLATES, OR OTHER APPROVED METHODS TO SECURELY PLACE ALL EMBEDMENTS AT PROPER LOCATIONS. "WET-SETTING" OF ANY EMBEDMENTS INTO PLASTIC CONCRETE IS NOT ALLOWED. EMBEDMENTS INCLUDE, BUT ARE NOT LIMITED TO, ANCHOR RODS, REBAR REINFORCEMENTS, DOWELS, ANGLES, PLATES, ANCHOR INSERTS, SLEEVES, AND SHELF BULKHEADS.

10. INSTALLATION AND SECURE PLACEMENT OF CONCRETE REINFORCEMENT SHALL BE INSPECTED BY AN INDEPENDENT TESTING AGENCY IN ACCORDANCE WITH THE REQUIREMENTS OF THIS PROJECT, INCLUDING THE STATEMENT OF SPECIAL INSPECTIONS. CONCRETE REINFORCEMENT SHALL BE PLACED AND SECURED WITHIN FORMS A MINIMUM OF 24 HOURS PRIOR TO THE SCHEDULED CONCRETE PLACEMENT TO CONDUCT THE INSPECTION.

11. CONTRACTION AND CONSTRUCTION JOINTS
    A. FOOTINGS & WALLS: MAX SPACING OF 40'-0" OR 15'-0" FROM ANY CORNER. COORDINATE JOINT LOCATIONS WITH VENEER CONTROL JOINT LOCATIONS.
    B. SLABS ON GROUND:
       1. PROVIDE CONTRACTION OR CONSTRUCTION JOINTS AROUND ALL SLAB DEPRESSIONS AND PITS AT THE EXTENT OF THE PERIMETER REINFORCING. SEAL ALL JOINTS AND SLAB PENETRATIONS.
       2. JOINT LAYOUT SHALL MAINTAIN 1.5-1.0 PANEL ASPECT RATIO.
       3. CONTRACTION JOINTS SHALL NOT BE PLACED IN SLABS W/ STEEL BAR REINFORCEMENT.
       4. SUBMIT LOCATIONS FOR CONTRACTION/CONSTRUCTION JOINT LAYOUT FOR SLABS.
       5. JOINTS SPACING - 4" SLABS: MAX. SPACING = 8'-0" (SPACED EQUALLY BETWEEN COLUMN BAYS)

WOOD TRUSS NOTES:

1. ALL WOOD TRUSSES TO BE BRACED IN ACCORDANCE WITH THE REQUIREMENTS OF BCSI - LATEST EDITION. GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING AND BRACING OF METAL PLATE CONNECTED WOOD TRUSSES. COORDINATE BRACING LOCATIONS WITH TRUSS FABRICATOR AS WELL AS DWG S40-1.

2. TEMPORARY TRUSS BRACING SHALL BE MEANS-AND-METHODS BY THE CONTRACTOR. PROVIDE TEMPORARY BRACING IN ACCORDANCE WITH LATEST EDITION OF TPI/BCSI.

3. CONNECT BOTTOM CHORD AND WEB MEMBER BRACING TO TRUSS PER DETAILS PROVIDED. SEE DRAWING S40-1.

4. GENERAL CONTRACTOR TO ENSURE THAT TRUSS AND BRACING INSTALLATION IS VERIFIED TO ENSURE THAT ALL TRUSSES AND BRACING HAVE BEEN INSTALLED CORRECTLY AND IN ACCORDANCE WITH APPROVED SHOP DRAWINGS AND BCSI - LATEST EDITION BRACING REQUIREMENTS. SEE ARCHITECTURAL DRAWINGS FOR REQUIRED TRUSS OVERHANG, HEEL DIMENSIONS, AND OTHER CONFIGURATION REQUIREMENTS.

5. TRUSS SHALL NOT BEAR LESS THAN FULL WIDTH OF TOP PLATE. TRUSS MANUF. TO REVIEW COMPRESSION PERPENDICULAR TO GRAIN WHERE BEARING ON SPF AND PROVIDE BEARING BLOCKS AS REQUIRED.

6. FINAL TRUSS SYSTEM CONFIGURATION & WEB LAYOUT SHALL BE DETERMINED BY THE TRUSS DESIGNER/ENGINEER.

WOOD ROOF TRUSS DESIGN LOADS

THE FOLLOWING DESIGN LOADS SHALL BE USED FOR THE DESIGN OF THE TRUSSES, UNLESS NOTED OTHERWISE:

TOP CHORD DEAD LOAD = 10 PSF
TOP CHORD SNOW LOAD = 46 PSF
TOP CHORD UNBALANCED SNOW LOAD PER ASCE 7-16
TOP CHORD PV PANEL FUTURE ALLOWANCE = 5 PSF
BOT CHORD DEAD LOAD = 10 PSF
ATTIC FLOOR LIVE LOAD = 125 PSF
MAXIMUM VERTICAL DEFLECTION = L/360 (1 1/2" MAX)
MAXIMUM HORIZONTAL DEFLECTION = 1/2"

WIND AND SEISMIC LOADING PER ASCE 7-16

TRUSS ELEVATION SHOWN FOR TYPICAL CONDITIONS. ADDITIONAL TRUSSES SIMILAR TO TRUSSES SHOWN MAY BE REQUIRED. SEE FRAMING PLANS AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

WOOD FRAMING:

1. ALL WOOD FRAMING SHALL CONFORM TO THE AF&PA NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) AND WOOD SHEATHING SHALL CONFORM TO THE AMERICAN PLYWOOD ASSOCIATION (APA).

2. ALL WOOD MARKED SPF (GRADED BY NLGA) OR NOT MARKED ON THE DRAWINGS SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE WORKING STRESSES:

Fv = 135 PSI	HORIZONTAL SHEAR STRESS
Fb = 875 PSI	BENDING STRESS SINGLE MEMBER USE
E = 1400000 PSI	MODULUS OF ELASTICITY
Fc = 1150 PSI	COMPRESSION PARALLEL TO GRAIN
Fc = 425 PSI	COMPRESSION PERPENDICULAR TO GRAIN

3. SPF(S) NO. 2 (GRADED BY NELMA) IS AN ACCEPTABLE ALTERNATIVE AND SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE WORKING STRESSES:

Fv = 135 PSI	HORIZONTAL SHEAR STRESS
Fb = 775 PSI	BENDING STRESS SINGLE MEMBER USE
E = 1100000 PSI	MODULUS OF ELASTICITY
Fc = 1000 PSI	COMPRESSION PARALLEL TO GRAIN
Fc = 335 PSI	COMPRESSION PERPENDICULAR TO GRAIN

4. INDIVIDUAL WOOD FRAMING SHALL BE KILN DRIED TO 19% MAXIMUM MOISTURE CONTENT UNLESS NOTED OTHERWISE ON DRAWINGS.

5. LAMINATED VENEER LUMBER (LVL), PARALLEL STRAND LUMBER (PSL) SHALL BE AS SPECIFIED ON THE DRAWINGS BY WEYERHAUSER, BOISE, OR APPROVED ALTERNATIVE (SUBMIT PRODUCT DATA).
   A. BEAMS AND HEADERS (LVL & PSL)
      1. E = 2,000,000 PSI (MIN.)
      2. F_b = 2,600 PSI (MIN)
      3. F_v = 285 PSI (MIN)
   B. POSTS (PSL)
      1. E = 1,800,000 PSI (MIN.)
      2. F_b = 2,400 PSI (MIN.)
      3. F_v = 190 PSI (MIN.)
      4. $F_{c\perp}$ = 2,500 PSI (MIN.)

6. PRESSURE TREATED (PT) LUMBER SHALL BE NO.2 GRADE OR BETTER SOUTHERN PINE. PRESSURED TREATED LUMBER SHALL BE USED FOR SILL MEMBERS, EXTERIOR EXPOSURE, OR WHERE SHOWN ON THE DRAWINGS. USE ONLY HOT-DIPPED GALVANIZED OR STAINLESS STEEL FASTENERS FOR USE IN PT LUMBER AND EXTERIOR USE (OR COATED FASTENERS APPROVED FOR THESE USES) INCLUDING, BUT NOT LIMITED TO, NAILS, SCREWS, NUTS, BOLTS, THREADED RODS, ETC.

7. ALL PLYWOOD SHALL BE APA PERFORMANCE RATED. PLYWOOD SHALL BE NAILED TO THE FRAMING AS FOLLOWS (U.N.O.):
   ROOFS: 8d NAILS AT 6" ON EDGES AND 12" AT INTERMEDIATE SUPPORTS. FASTEN SHEATHING TO CANOPY ROOF FRAMING.
   WALLS: 8d NAILS AT 6" ON EDGES AND 12" AT INTERMEDIATE SUPPORTS. U.N.O. AT SHEARWALL LOCATIONS (REF S60-1)

8. ALL BUILT-UP BEAMS AND COLUMNS SHALL BE NAILED AS FOLLOWS (MIN.):
   BEAMS/BRACES: (3) 12d NAILS AT 12" O.C. IN EACH PLY.
   COLUMNS: (3) 12d NAILS AT 12" O.C.

9. JOIST HANGERS, BEAM HANGERS, POST BASES AND CAP PLATES SHALL BE INDICATED ON THE DRAWINGS AND MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, OR APPROVED EQUAL (SUBMIT PRODUCT DATA). REFER TO MANUFACTURER'S LITERATURE FOR PROPER HANDLING AND INSTALLATION GUIDELINES. ALL CONNECTION HARDWARE USED IN EXTERIOR APPLICATIONS OR USED WITH PRESSURE TREATED LUMBER SHALL BE GALVANIZED.

10. ALL STUD WALL SILL PLATES WILL BE ATTACHED TO CONCRETE FOUNDATION AS FOLLOWS:
    A. AT SHEAR WALL LOCATIONS BOTH INTERIOR AND EXTERIOR INSTALL PER SHEAR WALL SCHEDULE.
    B. AT ALL EXTERIOR WALLS AND SHEARWALLS ATTACH WITH 5/8" DIAMETER TITEN HD SCREW ANCHORS WITH A MINIMUM EMBEDMENT OF 8" AND SPACED NOT TO EXCEED 4'-0".
    C. AT ALL INTERIOR WALLS EXCEPT SHEAR WALLS, ATTACH WITH 1/2" DIAMETER TITEN HD SCREW ANCHOR WITH A MINIMUM EMBEDMENT OF 7" AND SPACED NOT TO EXCEED 6'-0".
    D. ALL WALLS SHALL HAVE A MINIMUM OF (2) TITEN HD SCREW ANCHORS PER PIECE WITH (1) ANCHOR LOCATED NOT MORE THAN 12 INCHES OR LESS THAN 4" FROM EACH END OF EACH PIECE.

11. ALL STUD BEARING WALLS ARE TO HAVE DOUBLE TOP PLATES HAVING END JOINTS OFFSET AND OVERLAPPED A MINIMUM OF 4FT. NAIL OVERLAPPED/SPLICED DOUBLE TOP PLATES WITH 12d NAILS AT 8" O.C. STAGGERED. AT CORNERS AND INTERSECTIONS OVERLAP TOP PLATES AND NAIL WITH (4)12d NAILS.

12. PROVIDE BLOCKING (SQUASH BLOCKS) UNDER POSTS (MATCH POST SIZE).

13. ALL FASTENING NOT SHOWN SHALL CONFORM WITH THE 2021 INTERNATIONAL BUILDING CODE TABLE 2304.10.2 FASTENING SCHEDULE.

ABBREVIATIONS:

AB	ANCHOR BOLT
ABV	ABOVE
ACI	AMERICAN CONCRETE INSTITUTE
ACT	ACOUSTICAL CEILING TILE
ADDL	ADDITIONAL
AESS	ARCHITECTURAL EXPOSED STRUCT STEEL
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATIVE
ALUM	ALUMINUM
APA	AMERICAN PLYWOOD ASSOCIATION
APPROX	APPROXIMATE
AR	ANCHOR ROD
ARCH	ARCHITECT OR ARCHITECTURAL
BAL	BALANCE
BCX	BOTTOM CHORD EXTENSION
BF	BRACED FRAME
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BIT	BITUMINOUS
BO	BOTTOM OF/ BY OTHERS
BOT	BOTTOM
BP	BEAM POCKET
B-PL	BASE PLATE
BRG	BEARING
BS	BOTH SIDES
BSMT	BASEMENT
BTWN	BETWEEN
C/C OR c/c	CENTER TO CENTER
C	CHANNEL
CFMF	COLD FORM METAL FRAMING
CIP	CAST IN PLACE
CJ	CONTRACTION/CONST. JOINT
℄ OR CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONARY UNITS
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CTR(D)	CENTER(ED)
d	PENNY
DBL	DOUBLE
DIA OR ø	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DN	DOWN
do	DITTO
DP	DRILLED PIER OR DEEP
DTL(S)	DETAIL(S)
DWG(S)	DRAWING(S)
DWL(S)	DOWELS
(E) OR EXIST	EXISTING
EA	EACH
EE	EACH END
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEV	ELEVATOR
ELEC	ELECTRICAL
EMBED	EMBEDMENT
ENGR	ENGINEER
EOD	EDGE OF DECK
EOR	ENGINEER OF RECORD
EOS	EDGE OF SLAB
EQ	EQUAL
EQ SP	EQUALLY SPACED
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EWB	EACH WAY BOTTOM
EXIST/EX	EXISTING
EXP ANCHOR	EXPANSION ANCHOR
EXP	EXPANSION
EXT	EXTERIOR
FB	FLAT BAR
FD	FLOOR DRAIN
FDN	FOUNDATION
FIN FL	FINISHED FLOOR
FF	FINISH FLOOR/ FAR FACE
FLG	FLANGE
FLR	FLOOR
FFE	FINISH FLOOR ELEVATION
FOB	FACE OF BRICK
FO	FACE OF
FRMG	FRAMING
FS	FAR SIDE
FT	FOOT OR FEET
FTG	FOOTING
GA	GAGE/GAUGE
GALV	GALVINAZED
GL	GLU-LAM
GB	GRADE BEAM
GC	GENERAL CONTRACTOR
GR	GRADE OR GRIND
G.T.	GIRDER TRUSS
GWB	GYPSUM WALLBOARD
HD	HOLDOWN
HD GALV	HOT DIPPED GALVANIZED
HK	HOOK
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING VENTILATION AND COOLING
HSS	HOLLOW STRUCTURAL SECTION
I.F.	INSIDE FACE
IN	INCH
INSUL	INSULATION
INT	INTERIOR
JST	JOIST
JT	JOINT
L	ANGLE
LG	LENGTH
LB(S)	POUND(S)
LL	LIVE LOAD
LLBB	LONG LEGS BACK TO BACK
LLH	LONG LEG HORIZ
LLV	LONG LEG VERT
LOC(S)	LOCATION(S) OR LOCATE
LONG	LONGITUDINAL
LSL	LAMINATED STRAND LUMBER
LT	LIGHT
LTWT	LIGHTWEIGHT
LVL	LEVEL OR LAMINATE VENEER LUMBER
LWB	LONG WAY BOTTOM
LWT	LONG WAY TOP
MACH	MACHINE
MACH RM	MACHINE ROOM
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL/ELECTRICAL/PLUMBING
MANUF	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONARY OPENING
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NO. OR #	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O.C.	ON CENTER
OD	OUTSIDE DIAMETER
O.F.	OUTSIDE FACE
OH	OPPOSITE HAND / OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
PAF	POWDER ACTUATED FASTENER
PC	PILE CAP
PCA	PORTLAND CONCRETE ASSOCIATION
PEN	PENETRATION
PERP	PERPENDICULAR
PL	PLATE
PLCS	PLACES
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PREFAB	PREFABRICATION
PRELIM	PRELIMINARY
PT	PRESSURE TREATED
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
R	RADIUS
REF	REFERENCE
RD	ROOF DRAIN
REINF	REINFORCE(ING)(D)(MENT)
REQD	REQUIRED
REQMNTS	REQUIREMENTS
REQD	REQUIRED
REQMNTS	REQUIREMENT(S)
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
S	SOUTH
SC	SLIP CRITICAL
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT
SHT	SHEET
SIM	SIMILAR
SLH	SHORT LEG HORIZONTAL
SLV	SHORT LEG VERTICAL
SOG	SLAB ON GROUND
SP @	SPACE AT
SP	SPACES
SPECS	SPECIFICATIONS
SK	SHEAR KEY
SL	SHEAR LUG
SS	STAINLESS STEEL
SSLT	SHORT SLOT
STD	STANDARD
STL	STEEL
STRUCT	STRUCTRUAL
STIFF	STIFFENER
SW	SHEARWALL
SWB	SHORT WAY BOTTOM
SWT	SHORT WAY TOP
SYM	SYMMETRICAL
T	TOP
t	THICKNESS
T&B	TOP AND BOTTOM
TCX	TOP CHORD EXTENSION
THK	THICK
TL	TOTAL LOAD
TJ	TIE JOIST
T.O. OR T/	TOP OF/TOP OF STL ETC.
TRANS	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
U/S	UNDERSIDE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WD	WIDTH OR WOOD

WALL COMPONENTS AND CLADDING ULTIMATE WIND PRESSURES (PSF)

HEIGHT ABOVE PROJECT GRADE (FT)	WINDWARD					LEEWARD									
	ALL ZONES					ZONE 4 (FIELD)					ZONE 5 (CORNER)				
	EFFECTIVE WIND AREA (SF)					EFFECTIVE WIND AREA (SF)					EFFECTIVE WIND AREA (SF)				
	10	20	50	100	500	10	20	50	100	500	10	20	50	100	500
0-30	23.8	21.8	20.7	19.7	17.7	-25.8	-24.8	-23.8	-21.8	-19.7	-31.8	-29.8	-25.8	-24.8	-19.7

REFERENCE: ASCE 7-16, FIGURE 30.3-1 (a=5.32 FT)

ROOF COMPONENTS AND CLADDING ULTIMATE WIND PRESSURES (PSF)

HEIGHT ABOVE PROJECT GRADE (FT)	ZONE 1 (FIELD)					ZONE 2 (EDGE)					ZONE 3 (CORNER)				
	EFFECTIVE WIND AREA (SF)					EFFECTIVE WIND AREA (SF)					EFFECTIVE WIND AREA (SF)				
	10	20	50	100	500	10	20	50	100	500	10	20	50	100	500
0-30	-39.9	-33.8	-25.8	-19.7	-19.7	-43.9	-39.9	-31.8	-27.8	-23.8	-54.0	-47.9	-39.9	-33.8	-23.8

REFERENCE: ASCE 7-16, FIGURE 30.3-2D (a=5.32FT)

Scale: As indicated

No.	Revision	By	Date

Designed by: ALEXANDER WHEELOCK, P.E.
ISSUED FOR BID

STATE OF MAINE — ALEXANDER WHEELOCK — No. 15191 — LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	ARW	10-14-2025	Checked:	ARW	10-14-2025
Drawn:	VMB	10-14-2025			

Harriman

MAINE TURNPIKE

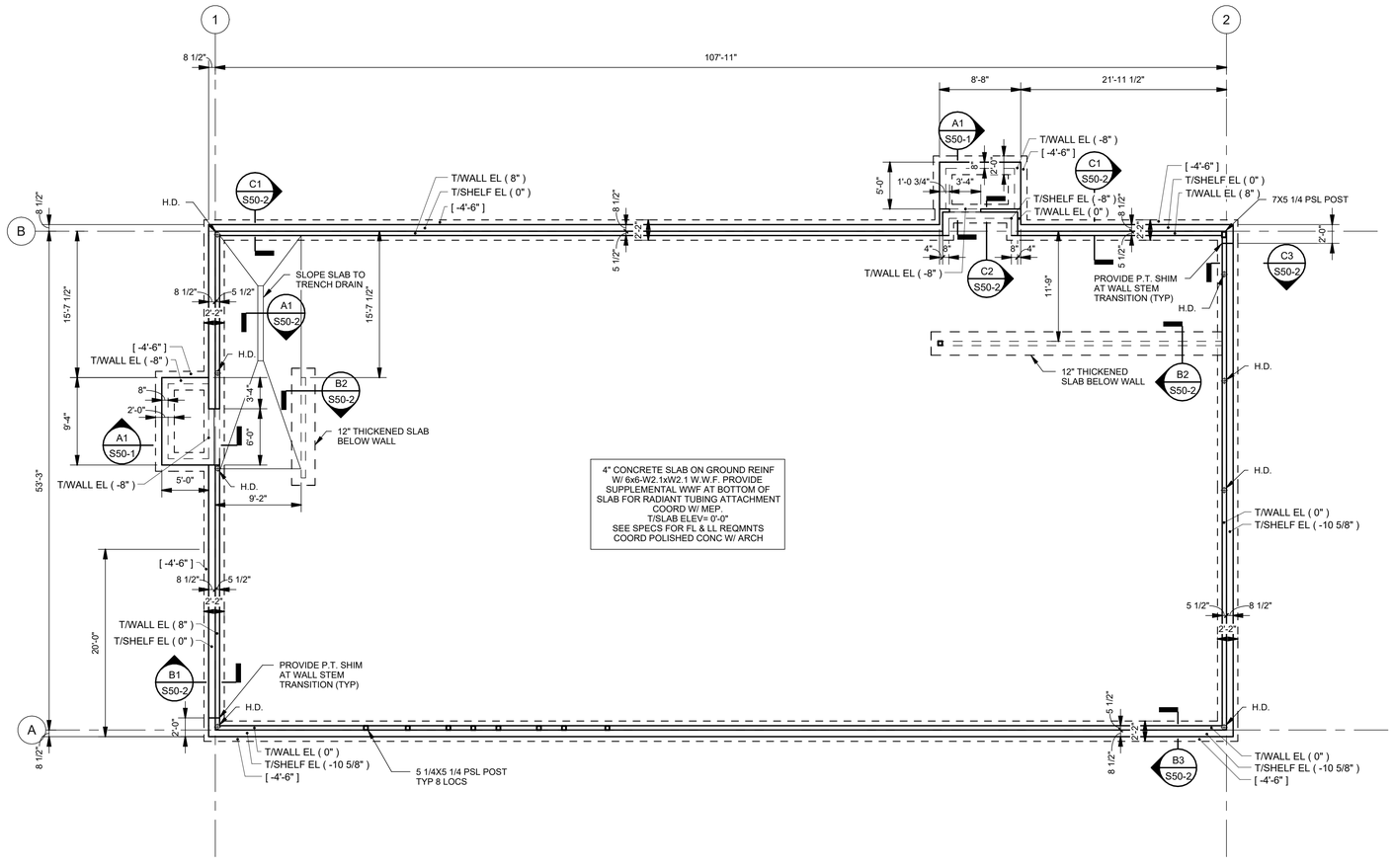
THE GOLD STAR MEMORIAL HIGHWAY

PROJ.NO: 25116

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
GENERAL NOTES

SHEET NUMBER: S00-1



A1 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. TOP OF CONCRETE ELEVATION IS REFERENCED (+/-) FROM FINISH FLOOR ELEVATION 84.2' (0'-0").
2. SEE ADDITIONAL APPLICABLE FOUNDATION DETAILS ON DRAWING S50-1 & S50-2.
3. (-X") INDICATES TOP OF CONCRETE ELEVATION T/WALL ELEVATION 0-8" U.N.O
4. [-X'-X"] INDICATES TOP OF EXTERIOR WALL FOOTING ELEVATION.
5. SECTIONS AND DETAILS SHOWN ON STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS NOT SPECIFICALLY REFERENCED.
6. G.C TO SUBMIT CONSTRUCTION/CONTRACTION JOINT LAYOUTS. SEE TYPICAL NOTES ON S00-1 AND TYPICAL DETAILS ON S50-1 FOR ADDITIONAL INFORMATION.
7. ⊕H.D. INDICATES SIMPSON HOLDOWN ANCHORS. SEE SCHEDULE AND DETAILS FOR ADDL INFO.

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by: ALEXANDER WHEELOCK, P.E.
ISSUED FOR BID

STATE OF MAINE · ALEXANDER WHEELOCK · No. 15191 · LICENSED PROFESSIONAL ENGINEER

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Harriman

PROJ.NO: 25116

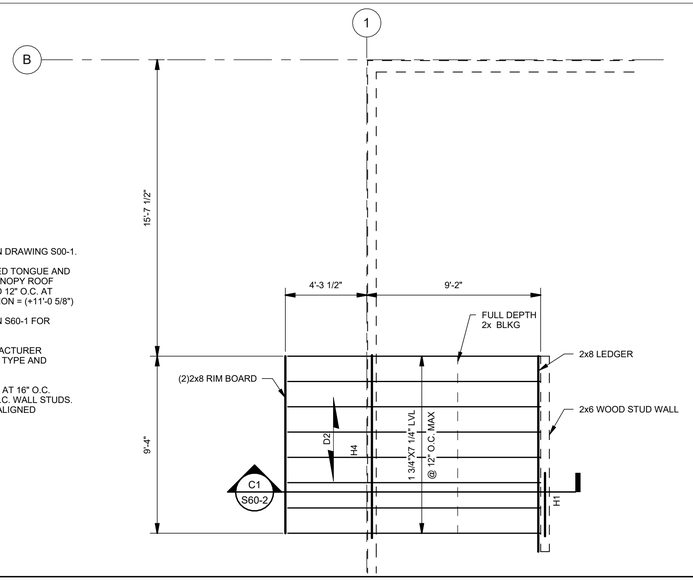
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
FOUNDATION PLAN

SHEET NUMBER: S10-1

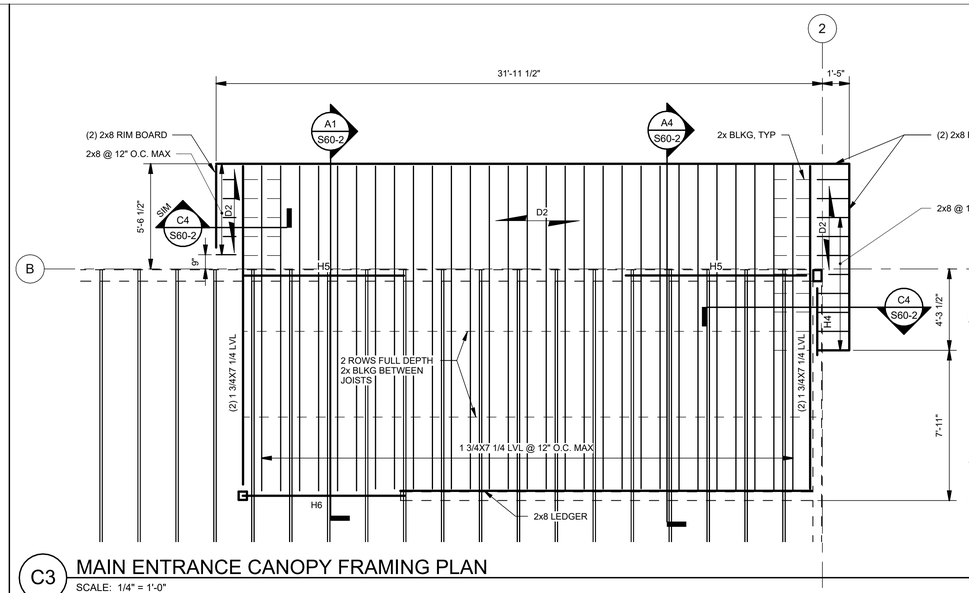


FRAMING PLAN NOTES:

1. SEE ADDITIONAL APPLICABLE FRAMING NOTES ON DRAWING S00-1.
2. D2 INDICATES SPAN OF 5/8" THICK APA RATED TONGUE AND GROOVE ADVANTECH SHEATHING. FASTEN TO CANOPY ROOF FRAMING WITH 8d NAILS AT 6" O.C. ON EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. T/SHEATHING ELEVATION = (+11'-0 5/8")
3. "H" INDICATES WOOD HEADER. SEE SCHEDULE ON S60-1 FOR ADDITIONAL INFORMATION.
4. ALL CONNECTIONS TO BE INSTALLED PER MANUFACTURER INSTRUCTIONS, INCLUDING SPECIFIED FASTENER TYPE AND QUANTITY.
5. EXTERIOR WALLS AT GRIDS 1 AND 2 SHALL BE 2x6 AT 16" O.C. INTERIOR BEARING WALLS SHALL BE 2X6 AT 16" O.C. WALL STUDS. AT EXTERIOR BEARING WALLS, STUDS SHALL BE ALIGNED DIRECTLY BELOW TRUSS BEARING (TYP)

C1 CANOPY FRAMING PLAN

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

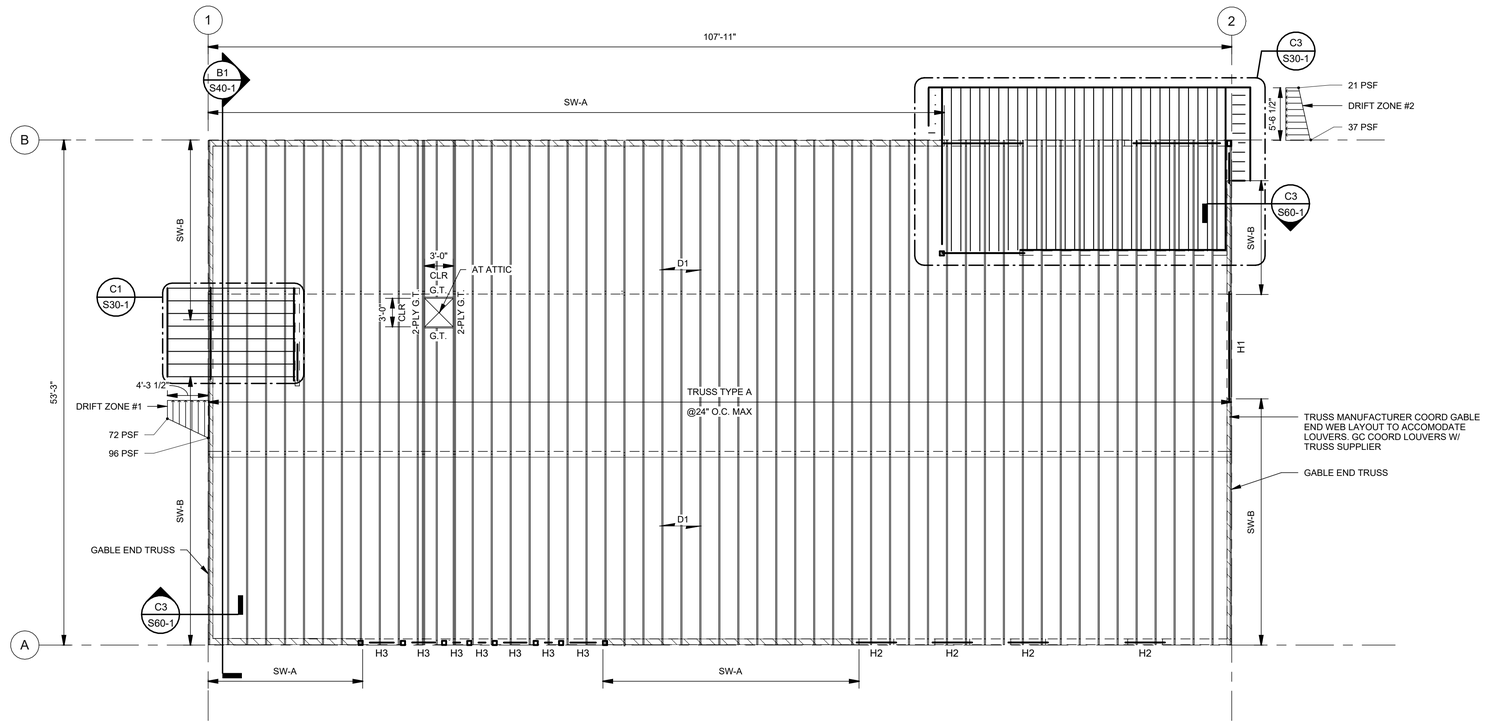


FRAMING PLAN NOTES:

1. SEE ADDITIONAL APPLICABLE FRAMING NOTES ON DRAWING S00-1.
2. D2 INDICATES SPAN OF 5/8" THICK APA RATED TONGUE AND GROOVE ADVANTECH SHEATHING. FASTEN TO CANOPY ROOF FRAMING WITH 8d NAILS AT 6" O.C. ON EDGES AND 12" AT INTERMEDIATE SUPPORTS. T/SHEATHING ELEVATION = (+11'-0 5/8")
3. "H" INDICATES WOOD HEADER. SEE SCHEDULE ON S60-1 FOR ADDITIONAL INFORMATION.
4. ALL CONNECTIONS TO BE INSTALLED PER MANUFACTURER INSTRUCTIONS, INCLUDING SPECIFIED FASTENER TYPE AND QUANTITY.
5. EXTERIOR WALLS AT GRIDS 1 AND 2 SHALL BE 2x6 AT 16" O.C. EXTERIOR BEARING WALLS AT GRIDS A AND B SHALL BE 2x8 AT 24" O.C. INTERIOR BEARING WALLS SHALL BE 2X6 AT 16" O.C. WALL STUDS. AT BEARING WALLS, STUDS SHALL BE ALIGNED DIRECTLY BELOW TRUSS BEARING (TYP)

C3 MAIN ENTRANCE CANOPY FRAMING PLAN

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



FRAMING PLAN NOTES:

1. SEE ADDITIONAL APPLICABLE FRAMING NOTES ON DRAWING S00-1.
2. D1 INDICATES SPAN OF 8 1/4" STRUCTURAL INSULATED PANELS (SIP)
3. ALL TRUSSES ARE TO ALIGN W/ EXTERIOR WALL STUDS BELOW. ADDITIONAL STUDS MAY BE REQUIRED.
4. INDICATES WOOD SHEATHED SHEAR WALL. SEE SHEAR WALL SCHEDULE ON S60-1.
5. "H" INDICATES WOOD HEADER. SEE SCHEDULE ON S60-1 FOR ADDITIONAL INFORMATION.
6. ALL CONNECTIONS TO BE INSTALLED PER MANUFACTURER INSTRUCTIONS, INCLUDING SPECIFIED FASTENER TYPE AND QUANTITY.
7. TRUSS END CONNECTIONS SHALL BE DESIGNED FOR BEARING ON SYP WALL TOP PLATES. TRUSS MANUFACTURER TO ADD BEARING BLOCKS OR OTHER SUPPLEMENTAL FRAMING AS NECESSARY.
8. G.T. INDICATES GIRDER TRUSS.
9. INDICATES WOOD FRAMED STUD WALLS.
   - A. AT GRIDS A AND B: STUD WALLS SHALL BE 2x8 @ 24" O.C. W/ (2) 2X8 SYP TOP PLATES. AT G.T. LOCATIONS PROVIDE (2)2x8 STUDS.
   - B. AT GRIDS 1 AND 2: STUD WALLS SHALL BE 2x6 @ 16" O.C.
   - C. AT INTERIOR BEARING WALLS: STUD WALLS SHALL BE 2X6 @ 16" O.C.
   - D. EXTERIOR WALL STUDS SHALL BE ALIGNED DIRECTLY BELOW TRUSS BEARING (TYP.) AND SHALL BE SHEATHED BY 1/2" NOMINAL APA RATED SHEATHING. SHEATHING SHALL BE FASTENED TO WALL STUDS AND 2X BLOCKING AT PANEL JOINTS WITH MIN 0.131"Ø SHANK NAILS WITH 1.5" PENETRATION INTO WALL STUDS AND BLOCKING. SPACE FASTENERS @ 6" O.C. ALONG PANEL EDGES AND 12" O.C. WITHIN PANELS. PANELS SHALL BE INSTALLED WITH LONG DIMENSION ACROSS WALL STUDS AND STAGGERED PANEL JOINTS (1/2 THE WIDTH OF THE ADJACENT PANEL).

A1 ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

Scale: As indicated

No.	Revision	By	Date

Designed by: ALEXANDER WHEELOCK, P.E.

ISSUED FOR BID

STATE OF MAINE — ALEXANDER WHEELOCK — No. 15191 — LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
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Drawn:	VMB	10-14-2025			

Harriman

PROJ.NO: 25116

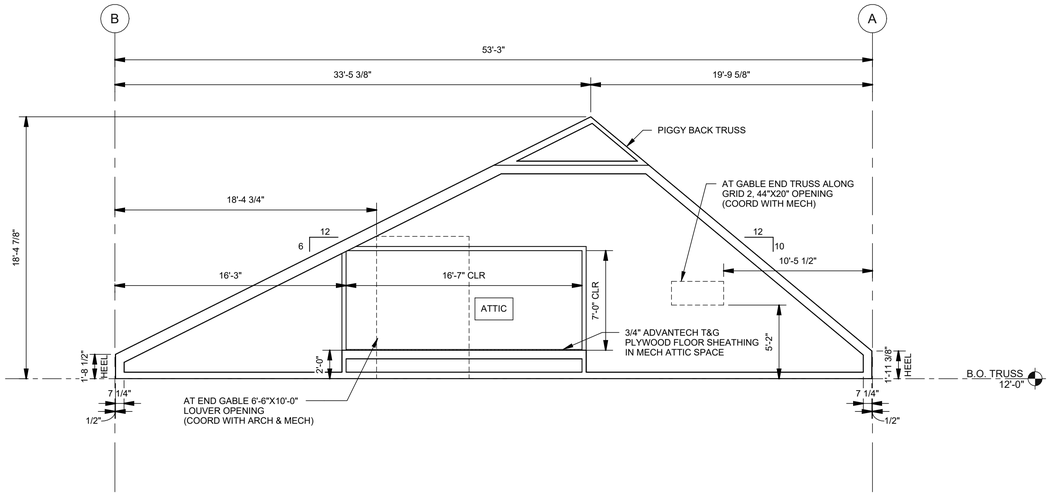
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

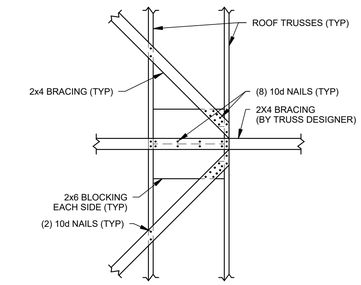
CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
ROOF FRAMING PLAN

SHEET NUMBER: S30-1



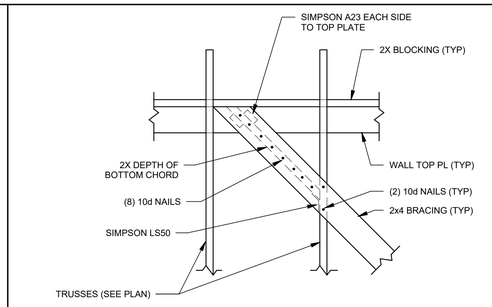
B1 TRUSS TYPE A

SCALE: 3/16" = 1'-0"



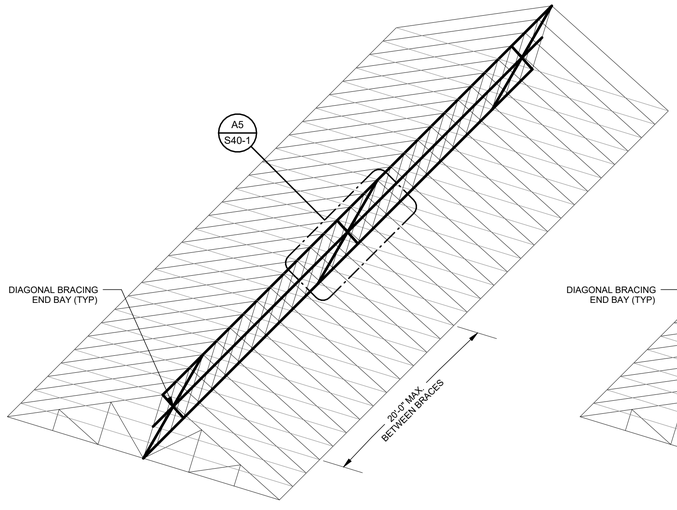
B4 BOTTOM CHORD LATERAL BRACING INTERMEDIATE CONNECTION

NO SCALE

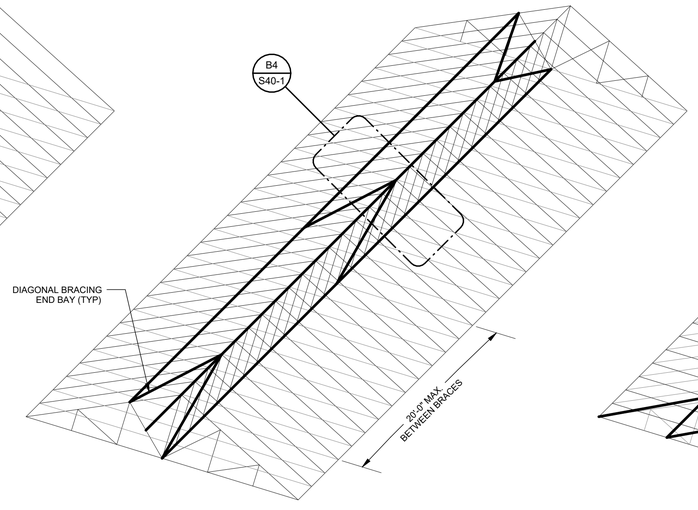


B5 BOTTOM CHORD LATERAL BRACING END CONNECTION

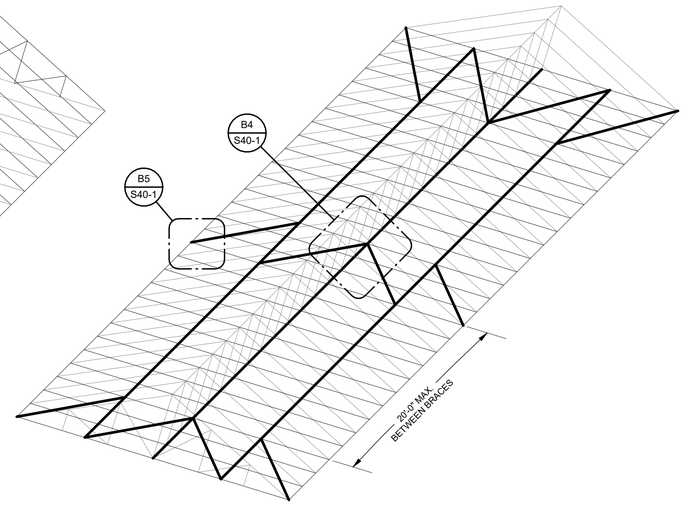
NO SCALE



VERTICAL MEMBER BRACING SCHEMATIC



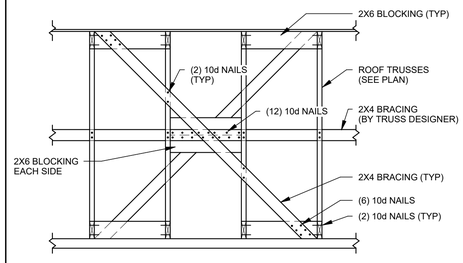
DIAGONAL MEMBER BRACING SCHEMATIC



BOTTOM CHORD BRACING SCHEMATIC

A1 TRUSS BRACING SCHEMATICS

SCALE: 1/8" = 1'-0"



A5 WOOD TRUSS DIAGONAL WEB BRACING

NO SCALE

Scale: As indicated

No.	Revision	By	Date

Designed by: ALEXANDER WHEELOCK, P.E.

ISSUED FOR BID

STATE OF MAINE · ALEXANDER WHEELOCK · No. 15191 · LICENSED PROFESSIONAL ENGINEER

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Harriman

PROJ.NO: 25116

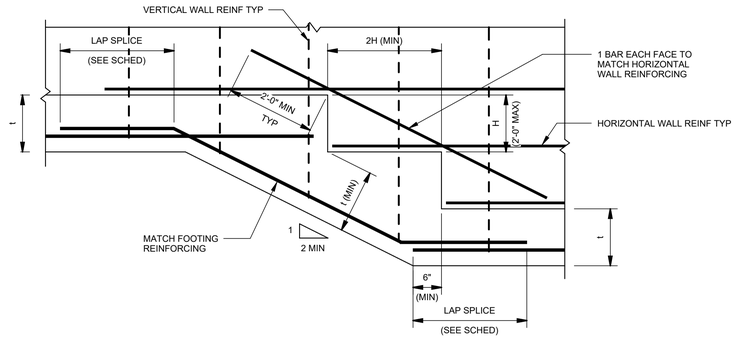
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

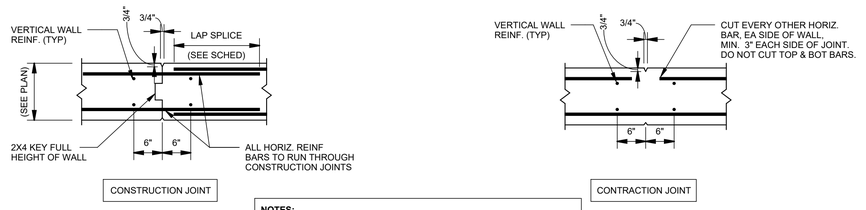
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
TRUSS ELEVATIONS AND DETAILS

SHEET NUMBER: S40-1



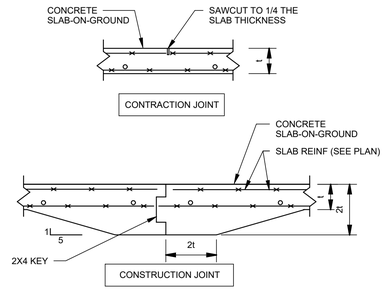
C1 TYP STEPPED FOOTING DETAIL
NO SCALE



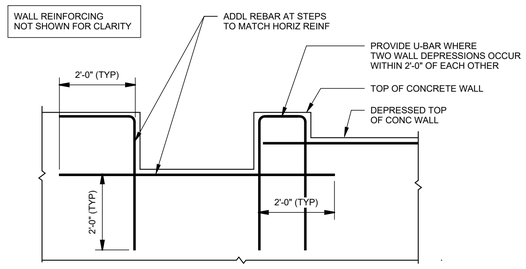
NOTES:

1. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. A MINIMUM OF 72 HOURS SHALL ELAPSE BETWEEN ADJACENT CONCRETE PLACEMENTS.
3. SPACING OF CONSTRUCTION OR CONTRACTION JOINTS IN FOOTINGS AND WALLS SHALL BE AS FOLLOWS (U.N.O):
   A. MAX SPACING 40'-0"
   B. NO WALL JOINTS PLACED WITHIN 15'-0" FROM ANY CORNER
   C. AT WALLS WITH BRICK VENEER, ALIGN JOINTS WITH EXPANSIONS JOINTS (EJ) SHOWN ON ARCH ELEVATIONS

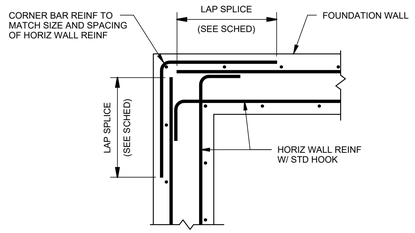
C3 TYP WALL CONTRACTION/CONSTRUCTION JOINT DETAIL
NO SCALE

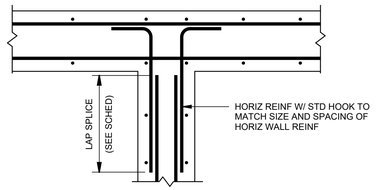


C5 TYP SLAB-ON-GROUND CONTRACTION/CONST JOINT DETAILS
NO SCALE

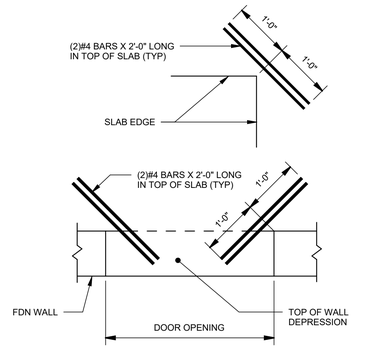


B1 TYP REINFORCING AT STEPS IN CONCRETE WALLS
NO SCALE

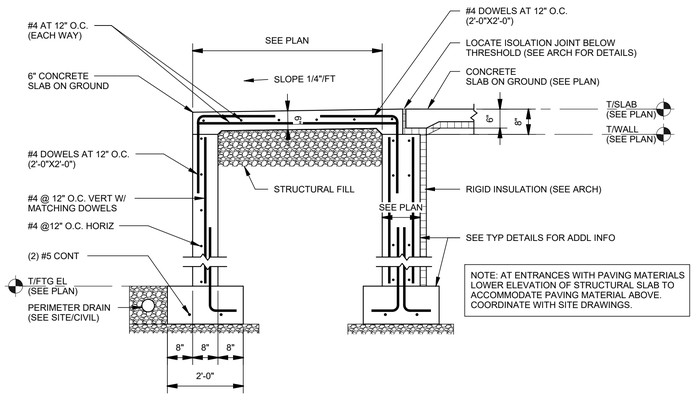




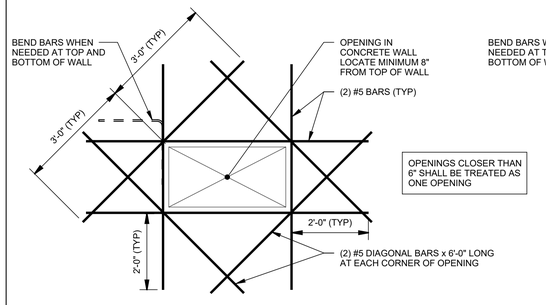
B3 TYP WALL REINF DETAILS AT CORNERS & INTERSECTIONS
NO SCALE



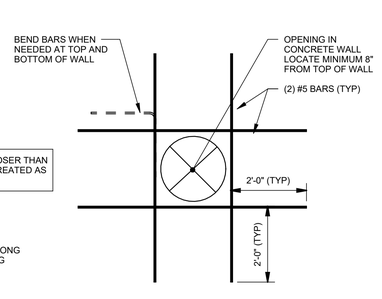
B5 TYP SLAB RE-ENTRANT CORNER DETAIL
NO SCALE



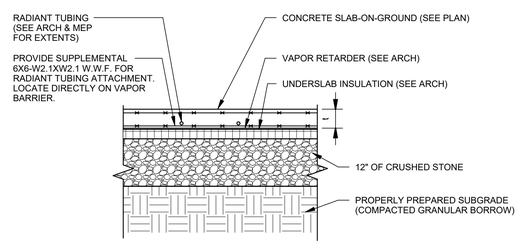
A1 TYP ENTRANCE SLAB DETAIL
NO SCALE



OPENINGS CLOSER THAN 6" SHALL BE TREATED AS ONE OPENING



A3 TYP REINFORCING AT OPENINGS IN CONCRETE WALLS OR SLABS
NO SCALE



A5 TYP SLAB-ON-GROUND DETAIL
NO SCALE

Scale: As indicated

No.	Revision	By	Date

Designed by:

ALEXANDER WHEELOCK, P.E.
ISSUED FOR BID

STATE OF MAINE ALEXANDER WHEELOCK No. 15191 LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	ARW	10-14-2025	Checked:	ARW	10-14-2025
Drawn:	VMB	10-14-2025			

PROJ.NO: 25116

Harriman

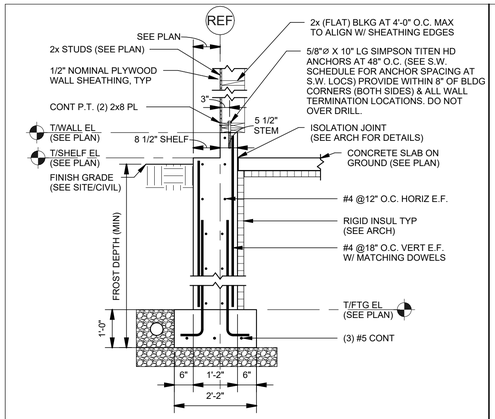
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

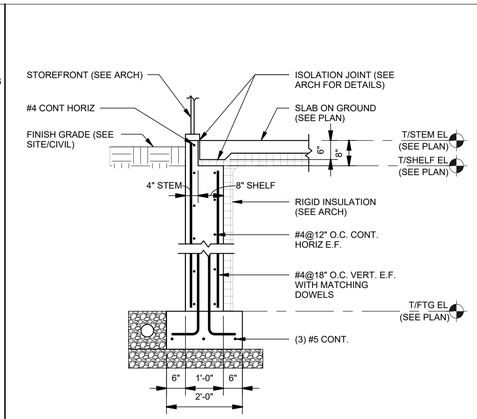
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
TYPICAL FOUNDATION DETAILS

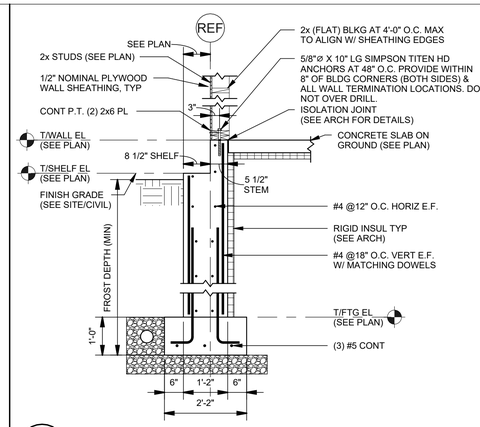
SHEET NUMBER: S50-1



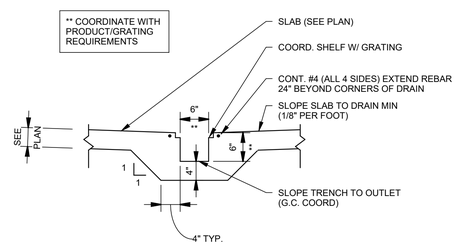
C1 SECTION
SCALE: 1/2" = 1'-0"



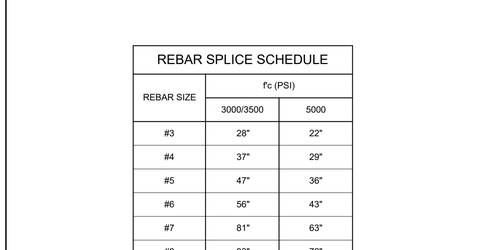
C2 SECTION
SCALE: 1/2" = 1'-0"



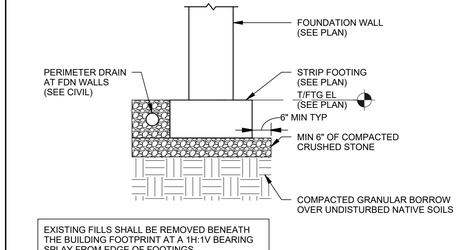
C3 SECTION
SCALE: 1/2" = 1'-0"



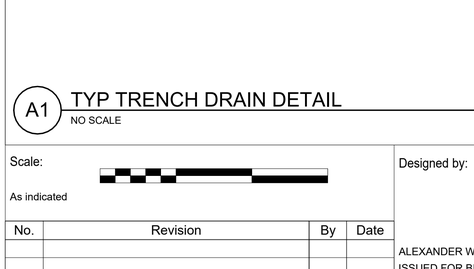
B1 SECTION
SCALE: 1/2" = 1'-0"



B2 SECTION
SCALE: 3/4" = 1'-0"



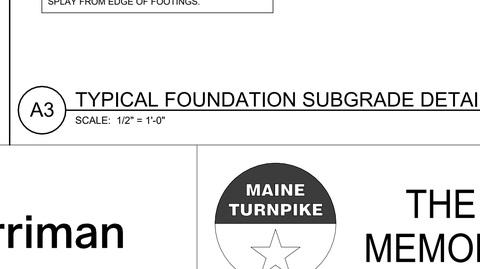
B3 SECTION
SCALE: 1/2" = 1'-0"



A1 TYP TRENCH DRAIN DETAIL
NO SCALE

REBAR SIZE	f'c (PSI)	
	3000/3500	5000
#3	28"	22"
#4	37"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"

A2 TYP REBAR SPLICE SCHEDULE
NO SCALE



A3 TYPICAL FOUNDATION SUBGRADE DETAIL
SCALE: 1/2" = 1'-0"

Scale:
As indicated

No.	Revision	By	Date

Designed by:
ALEXANDER WHEELOCK, P.E.
ISSUED FOR BID

STATE OF MAINE · ALEXANDER WHEELOCK · No. 15191 · LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	ARW	10-14-2025	Checked:	ARW	10-14-2025
Drawn:	VMB	10-14-2025			

Harriman

PROJ.NO: 25116

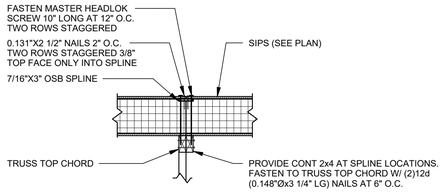
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

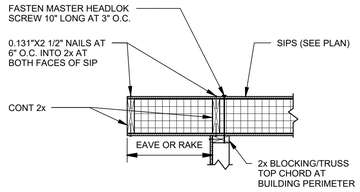
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
TYPICAL FOUNDATION DETAILS

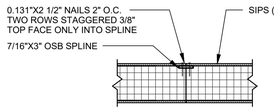
SHEET NUMBER: S50-2



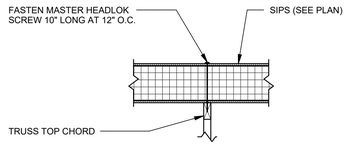
INTERIOR SPLINE SUPPORT CONDITION



PERIMETER (BOUNDARY) SUPPORT CONDITION



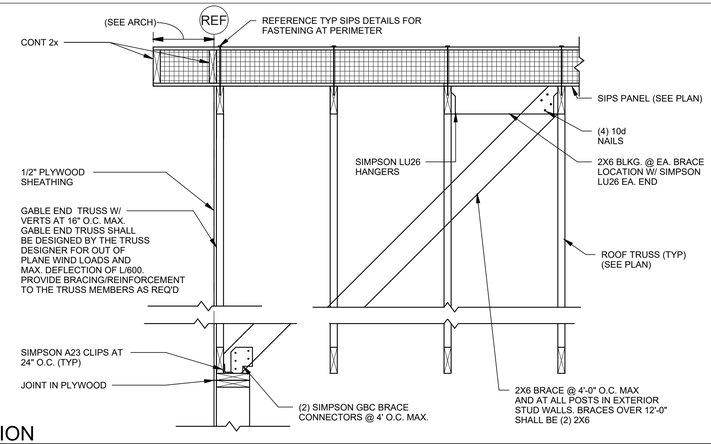
SURFACE SPLINE CONDITION



FASTENING TO SUPPORT FRAMING NOT AT SPLINE

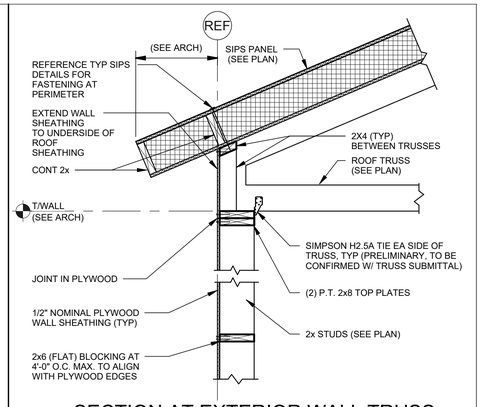
C1 TYPICAL SIPS DETAILS

SCALE: 3/4" = 1'-0"



C3 SECTION

SCALE: 3/4" = 1'-0"



C5 SECTION AT EXTERIOR WALL TRUSS BEARING

SCALE: 3/4" = 1'-0"

HEADER SCHEDULE				
MARK	SIZE	JAMB	HEADER TO JAMB CONNECTION	COLUMN TO TOP AND BOTTOM PLATE CONNECTION
H1	(3) 2X6	(2) 2x JACKS AND (2) 2x KINGS	(5) 16d (0.162ø) NAILS	(3) 16d (0.162ø) NAILS
H2	(3) 2X10	(2) 2x JACKS AND (2) 2x KINGS	(5) 16d (0.162ø) NAILS	(3) 16d (0.162ø) NAILS
H3	(3) 1 3/4X5 1/2 LVL	5 1/4x5 1/4 PSL CONT POSTS	SEE SIMPSON SCHEDULE	(3) 16d (0.162ø) NAILS
H4	(3) 1 3/4X11 7/8 LVL	(2) 2x JACKS AND (2) 2x KINGS (AT GRID B/2, PSL CONT POST)	(5) 16d (0.162ø) NAILS (AT B/2 SEE SIMPSON SCHEDULE)	(3) 16d (0.162ø) NAILS
H5	(4) 1 3/4X11 7/8 LVL	(4) 2x JACKS AND (2) 2x KINGS (AT GRID B/2, PSL CONT POST)	(5) 16d (0.162ø) NAILS (AT B/2 SEE SIMPSON SCHEDULE)	(3) 16d (0.162ø) NAILS
H6	(3) 2X10	(2) 2x JACKS AND (2) 2x KINGS	(5) 16d (0.162ø) NAILS	(3) 16d (0.162ø) NAILS

NOTES:
1. JAMB 2x TO MATCH ADJACENT WALL STUD SIZE (EX: 2x6)
2. WHERE JAMB IS ADJACENT TO POST INSTALL SIMPSON CONCEALED FLANGE HANGERS OFF POST PER SCHEDULE

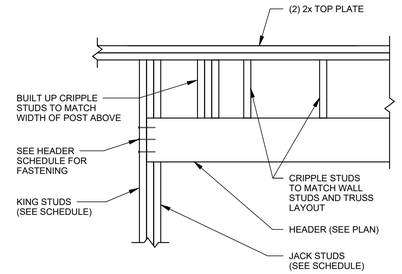
B1 TYP. HEADER SCHEDULE

NO SCALE

SIMPSON SCHEDULE	
FRAMING MEMBER	HANGER/POST CAP/POST BASE
2X6	LU26
2X8	LU28
(3) 1 3/4X5 1/2 LVL	HUC68 MAX
(3) 1 3/4X11 7/8 LVL	ECCLRQ-SDS2.5 7X5 1/4X5 1/4
1 3/4X7 1/4 LVL	HU1.81/5 MAX
(4) 1 3/4X11 7/8 LVL	ECCLRQ-SDS2.5 7X5 1/4X5 1/4
(2) 1 3/4X7 1/4 LVL	HUC48 MAX

B3 TYP. SIMPSON SCHEDULE

NO SCALE



B4 TYP. HEADER DETAIL

NO SCALE

EXTERIOR BRICK VENEER LINTEL SCHEDULE		
MASONRY OPENING	SIZE	BEARING
12'-0"	BENT PLATE 8X5X3/8 (LLV)	8" MIN.
10'-0"	BENT PLATE 7X5X3/8 (LLV)	8" MIN.
8'-0"	L5X5X3/8	8" MIN.

NOTES:
1. LINTEL FOR EXTERIOR MASONRY SHALL BE HOT-DIPPED GALVANIZED.
2. LINTEL IS SIZED FOR 4" WIDTH OF MASONRY.

B5 TYP. STEEL ANGLE LINTEL SCHEDULE

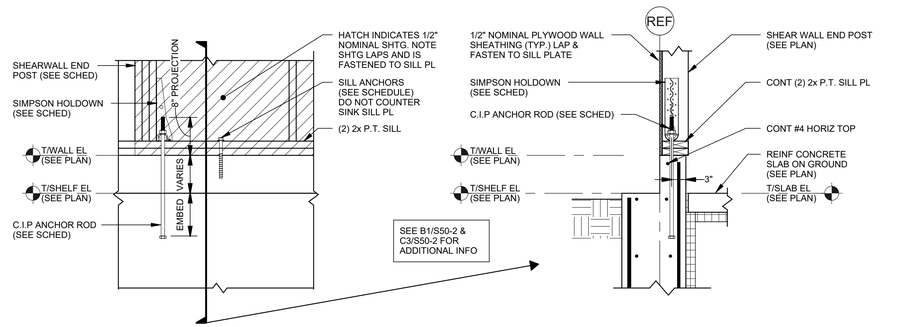
NO SCALE

SHEAR WALL SCHEDULE							
MARK	PANEL EDGE NAILING (4 SIDES)	PANEL FIELD NAILING (WITHIN PANEL)	SIMPSON HOLDOWN (SEE PLAN FOR LOCATION)	END POST	SILL ANCHORS (EMBEDMENT = 8")	HOLDOWN FASTENERS TO POST (SIMPSON STRONG-DRIVE SCREW)	HOLDOWN ANCHORS (CAST-IN-PLACE)
SW-A	8d (0.131ø) @ 6" O.C. (1 1/2" MIN PENETRATION)	8d (0.131ø) @ 12" O.C. (1 1/2" MIN PENETRATION)	NOT REQUIRED	2X8	5/8"ø LG SIMPSON TITEN HD ANCHORS AT 48" O.C.	NOT REQUIRED	NOT REQUIRED
SW-B	8d (0.148ø) @ 6" O.C. (1 1/2" MIN PENETRATION)	8d (0.148ø) @ 12" O.C. (1 1/2" MIN PENETRATION)	HDU8 - SDS2.5	(2) 2X6	5/8"ø LG SIMPSON TITEN HD ANCHORS AT 48" O.C.	(20) 1/4"X2 1/2" SDS SCREWS	7/8"Ø ASTM F1554 GR. 36 HEADED ANCHOR ROD W/ HEAVY HEX NUT. EMBED 9" BELOW SHELF ELEVATION.

SHEAR WALL SCHEDULE NOTES:
1. ALL SHEAR WALLS ARE SHEATHED W/ 1/2" THICK APA RATED SHEATHING MIN.
2. SHEATHING ORIENTATION SHALL BE WITH THE LONG DIRECTION HORIZONTAL.
3. ALL SHEAR WALLS REQUIRE INSPECTION AFTER THE SHEATHING IS APPLIED.
4. ALL FASTENERS ARE COMMON NAILS AS SPECIFIED IN WOOD FRAMING NOTES.
5. ALL SHEAR WALLS AND BEARING WALLS SHALL HAVE FULL DEPTH 2X6 (FLAT) BLOCKING AT 4'-0" O.C.

A1 TYP. SHEAR WALL SCHEDULE

NO SCALE



AT FOUNDATION WALLS WITH STEMS

A4 TYP. HOLDOWN DETAILS

SCALE: 3/4" = 1'-0"

Scale: As indicated

No.	Revision	By	Date

Designed by: ALEXANDER WHEELOCK, P.E.
ISSUED FOR BID

STATE OF MAINE — ALEXANDER WHEELOCK — No. 15191 — LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	ARW	10-14-2025	Checked:	ARW	10-14-2025
Drawn:	VMB	10-14-2025			

PROJ.NO: 25116

Harriman

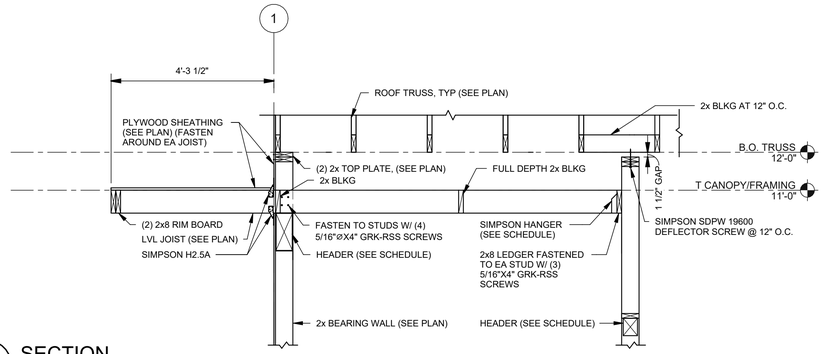
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

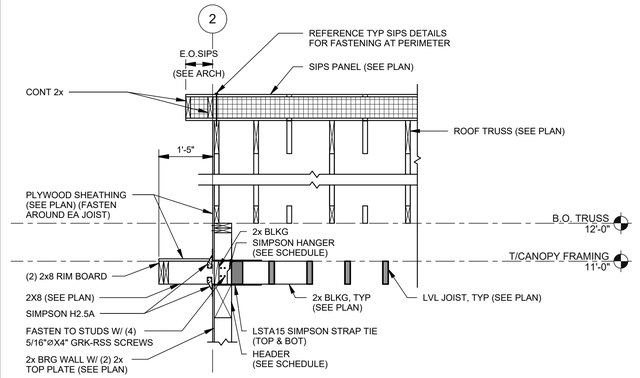
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
TYPICAL FRAMING DETAILS

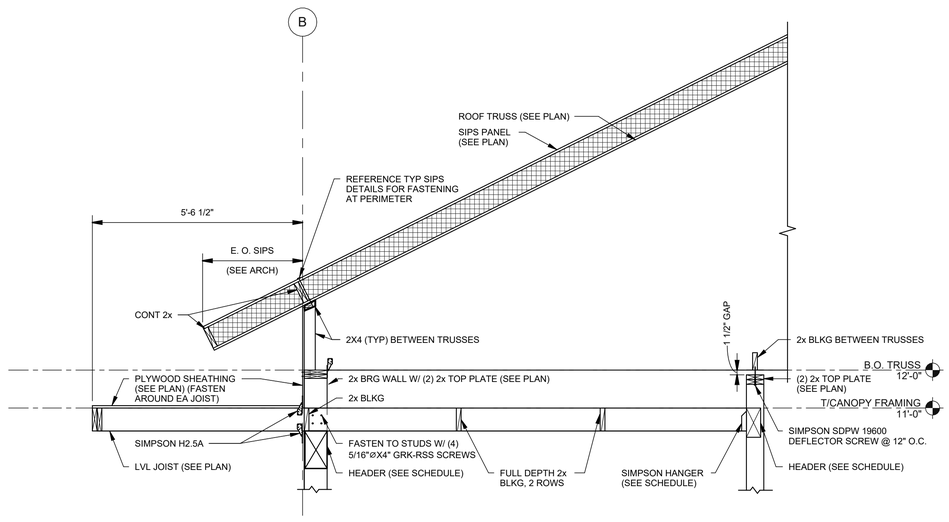
SHEET NUMBER: S60-1



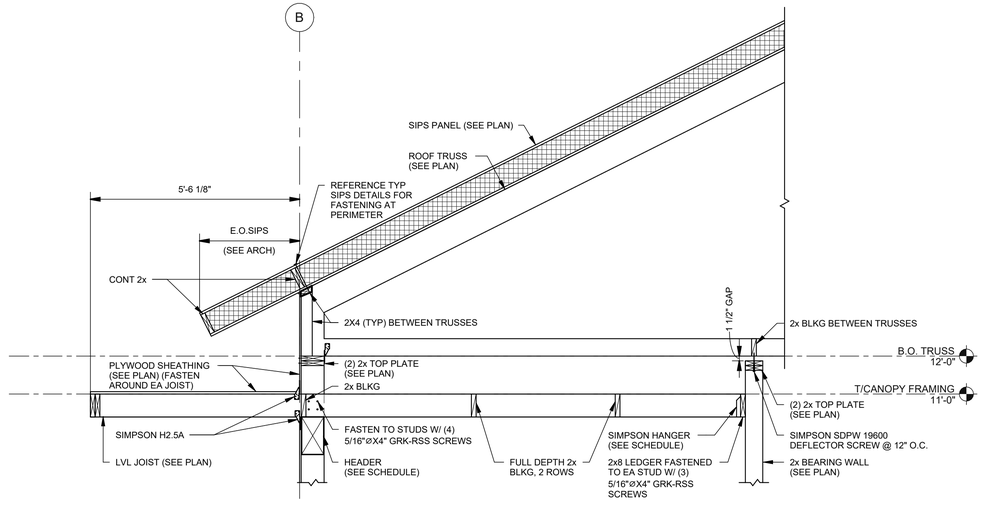
C1 SECTION
SCALE: 1/2" = 1'-0"



C4 SECTION
SCALE: 1/2" = 1'-0"



A1 SECTION
SCALE: 1/2" = 1'-0"



A4 SECTION
SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'-0"

No.	Revision	By	Date

Designed by:

ALEXANDER WHEELOCK, P.E.
ISSUED FOR BID

STATE OF MAINE · ALEXANDER WHEELOCK · No. 15191 · LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	ARW	10-14-2025	Checked:	ARW	10-14-2025
Drawn:	VMB	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING

TYPICAL FRAMING DETAILS

SHEET NUMBER: S60-2

CONTRACT DRAWING ABBREVIATIONS

ABBRV	TERM
A/C	AIR CONDITIONING
AB	ANCHOR BOLT
AC	ACOUSTICAL
ACT	ACOUSTICAL TILE
AD	ACCESS DOOR
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AL	ALUMINUM
ALT	ALTERNATE
AP	ACCESS PANEL
APX	APPROXIMATE
ARCH	ARCHITECT (URAL)
AVB	AIR VAPOR BARRIER
BD	BOARD
BIT	BITUMINOUS
BJ	BAR JOIST
BLDG	BUILDING
BLKG	BLOCKING
BM	BENCH MARK
BOD	BOTTOM OF DECK
BOT	BOTTOM
BP	BASE PLATE
BSMT	BASEMENT
BTU	BRITISH THERMAL UNIT
CAB	CABINET
CB	CATCHBASIN
CD	CEILING DIFFUSER
CEM	CEMENT (ITIOUS)
CER	CERAMIC
CF	CUBIC FEET
CG	CORNER GRILLE
CHBD	CHALKBOARD
CHT	CEILING HEIGHT
CI	CONTINUOUS INSULATION
CJT	CONTROL JOINT
CL	CLOSET
CLG	CEILING
CMPST	COMPOSITE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT
CONST	CONSTRUCTION
CONT	CONTINUE (OUS)
CONTR	CONTRACT (OR)
CORR	CORRUGATED
CPT	CARPET (ED)
CT	CERAMIC TILE
CUH	CABINET UNIT HEATER
CV	CONVECTOR
CW	COLD WATER
CY	CUBIC YARD
DF	DRINKING FOUNTAIN
DG	DOOR GRILLE
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DTL	DETAIL
DWG	DRAWING
E	EAST
EB	EXPANSION BOLT
EF	EXHAUST FAN
EIFS	EXTERIOR INSULATED FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION (S)
ELEC	ELECTRIC (AL)
EP	ELECTRIC PANEL
EQ	EQUAL
ER	EXHAUST REGISTER
ES	EACH SIDE
EST	ESTIMATE
EWC	ELECTRIC WATER COOLER
EXG	EXISTING
EXP	EXPANSION

ABBRV	TERM
EXT	EXTERIOR
FA	FIRE ALARM
FAI	FRESH AIR INTAKE
FC	FLEXIBLE CONNECTION
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH (ED)
FLG	FLASHING
FLR	FLOOR (ING)
FO	FACE OF
FOC	FACE OF CONCRETE
FOS	FACE OF STUD
FRP	FIBERGLASS REINFORCED PANEL
FTG	FOOTING
GA	GAGE, GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACT (OR)
GL	GLASS
GPDW	GYPSUM DRY WALL
HB	HOSE BIB
HD	HUB DRAIN
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
HTG	HEATING
HVAC	HEATING - VENTILATING - AIR CONDITIONING
HYD	HYDRANT
ID	INSIDE DIAMETER
INS	INSULATE (D) (ION)
INT	INTERIOR
INV	INVERT
JC	JANITOR'S CLOSET
JT	JOINT
KIT	KITCHEN
LAB	LABORATORY
LAM	LAMINATE (D)
LAV (L)	LAVATORY
LB (S)	POUNDS
LD	LINEAR DIFFUSER
LF	LINEAL FEET
LG	LONG
LTG	LIGHTING
LTL	LINTEL
LW	LIMIT OF WORK
M	METER (S)
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MED	MEDIUM
MET	METAL
MFR	MANUFACTURE (R)
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOP RECEPTOR
MT	METAL THRESHOLD
MTD	MOUNTED
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
No	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER (S)
OD	OUTSIDE DIAMETER
OFF	OFFICE
OH	OVERHEAD
OPG	OPENING
OPH	OPPOSITE HAND
OPP	OPPOSITE

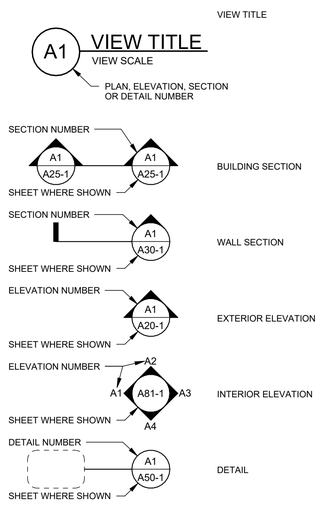
ABBRV	TERM
P	PLATE
PAR	PARALLEL
PERP	PERPENDICULAR
PFN	PREFINISHED
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLUMB	PLUMBING
PNL	PANEL
PNT	PAINT (ED)
PT	PRESSURE TREATED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PWD	PLYWOOD
QT	QUARRY TILE
R	RISER
RAD	RADIUS
RB	RUBBER BASE
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REQ	REQUIRE (D)
REV	REVISION (S)
RL	ROOF LEADER
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
S	SOUTH
SAB	SOUND ATTENUATING BATTS
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SEC	SECTION
SHT	SHEET
SIM	SIMILAR
SK	SINK
SMU	SOLID MASONRY UNIT
SPEC	SPECIFICATION (S)
SQ	SQUARE
SS	STAINLESS STEEL
SSK	SERVICE SINK
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUC	STRUCTURAL
SYM	SYMMETRY (ICAL)
SYS	SYSTEM
T	TREAD
T&G	TONGUE & GROOVE
TD	TRENCH DRAIN
TEL	TELEPHONE
THK	THICK (NESS)
TKBD	TACKBOARD
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TPTN	TOILET PARTITION
TV	TELEVISION
TYP	TYPICAL
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UV	UNIT VENTILATOR
V	VENT
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VF	VINYL FABRIC
VTR	VENT THRU ROOF
W	WEST, WIDTH, WIDE
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WCH	WATER CLOSET HANDICAP
WCO	WALL CLEANOUT
WD	WOOD
WG	WALL GRILLE
WH	WALL HUNG
WIN	WINDOW
WP	WORKING POINT
WWF	WELDED WIRE FABRIC

SYMBOLS USED AS ABBREVIATIONS

L	ANGLE
℄	CENTERLINE
⊏	CHANNEL
⌀	DIAMETER
▱	PLATE
□	SQUARE

GRAPHIC SYMBOLS

PLAN - SECTION



MATERIAL INDICATIONS

PLAN - SECTION

- EARTH
- POROUS FILL (STONE OR GRAVEL, ETC)
- ROCK
- CONCRETE
- BRICK (COMMON OR FACE)
- CONCRETE MASONRY UNITS (CMU)
- METAL (LARGE SCALE)
- PLYWOOD (LARGE SCALE)
- WOOD, FINISHED
- WOOD, ROUGH
- INSULATION (LOOSE OR BATT)
- INSULATION (RIGID)
- GLASS (LARGE SCALE)
- CERAMIC TILE
- GYPSUM WALL BOARD (FIBERBOARD, ETC)
- PLASTER, SAND, CEMENT, GROUT
- ACOUSTICAL TILE
- RESILIENT FLOORING
- METAL (SMALL SCALE)

ELEVATIONS

- CONCRETE, PLASTER
- SHEET METAL
- GLAZING
- BRICK

SPECIAL INDICATIONS

PARTITION CONSTRUCTION - PLAN

- EXISTING PARTITIONS TO REMAIN
- EXISTING PARTITIONS TO BE REMOVED
- STEEL STUD PARTITION
- WOOD STUD PARTITION
- CMU PARTITION
- SMOKE PARTITION
- 1 HOUR FIRE RESISTIVE RATED PARTITION
- 2 HOUR FIRE RESISTIVE RATED PARTITION
- 3 HOUR FIRE RESISTIVE RATED PARTITION

Scale: 12" = 1'-0"

No.	Revision	By	Date

Designed by:

MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT · MARK D LEE #3649 · STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

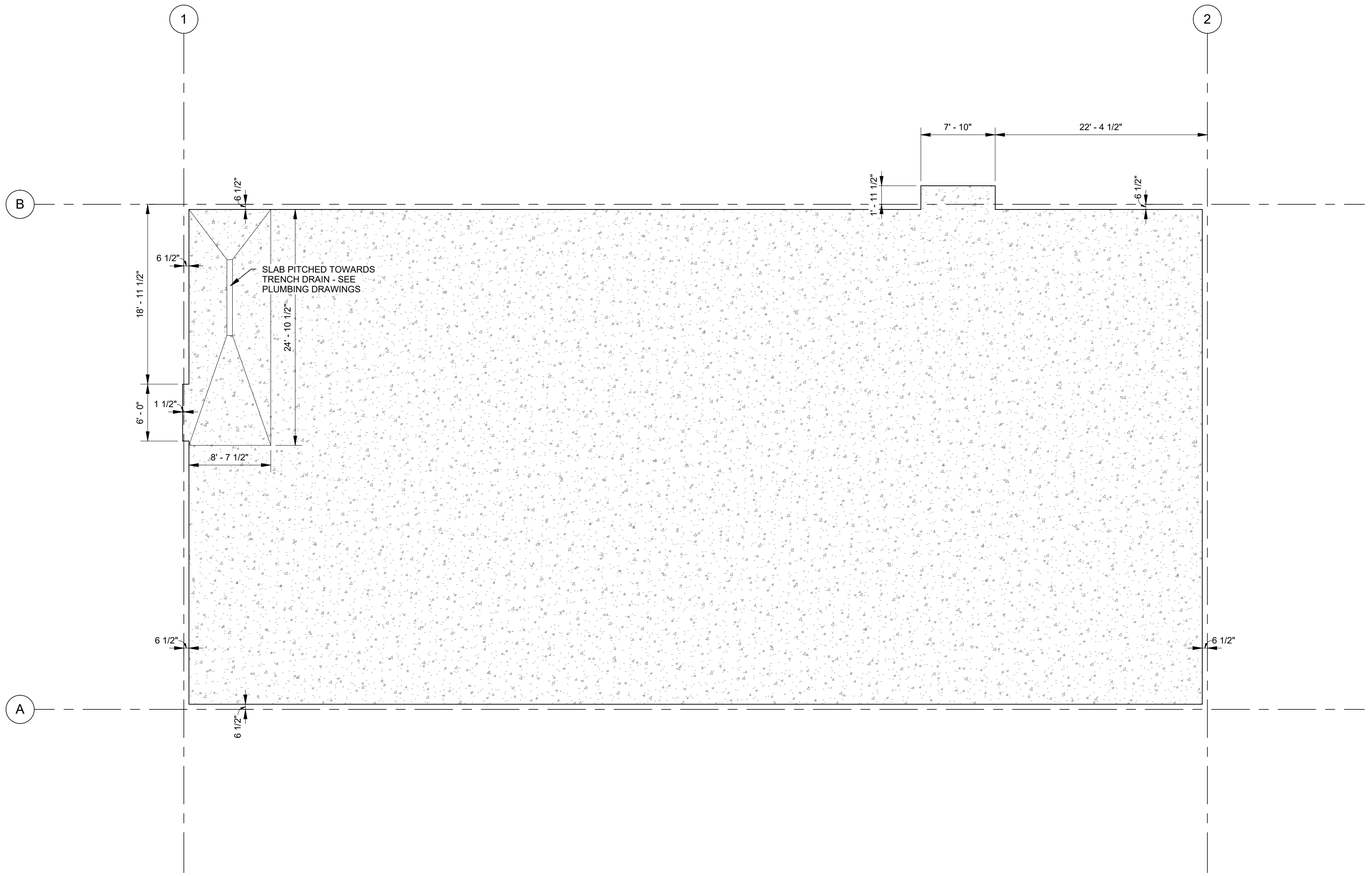
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
ABBREVIATIONS AND LEGENDS

SHEET NUMBER: A00-1

GENERAL NOTES

1. SEE A50 AND A51 SERIES FOR EDGE-OF-SLAB (EOS) DETAILS.



SYMBOLS LEGEND

CONCRETE SLAB

A1 FIRST FLOOR EDGE OF SLAB PLAN

SCALE: 1/8" = 1'-0"

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by:

MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT MARK D. LEE #3640 STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
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Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
EDGE OF SLAB PLAN

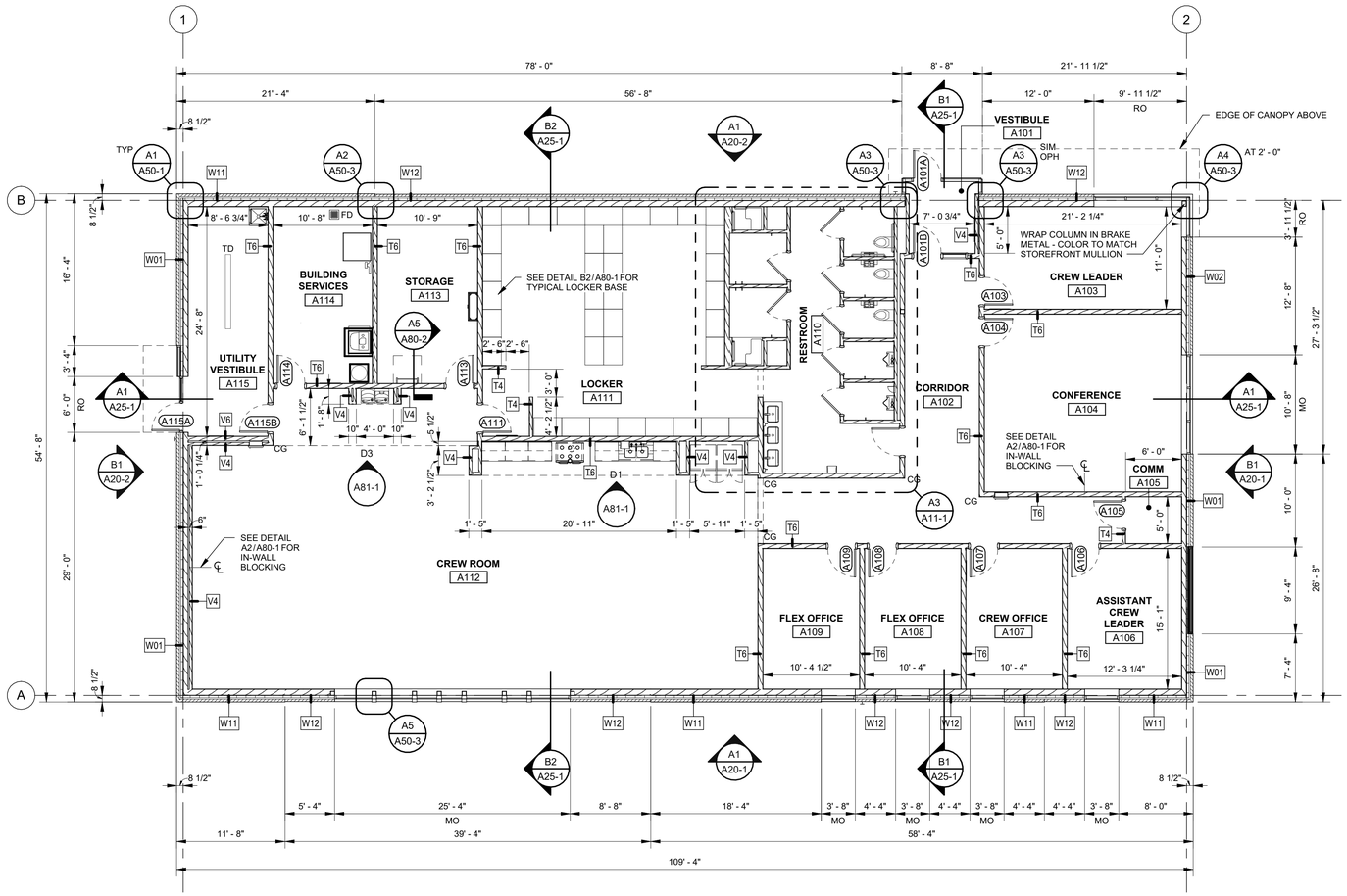
SHEET NUMBER: A06-1

GENERAL NOTES

1. SEE DRAWING A40-1 FOR PARTITION TYPES.
2. DIMENSIONS LOCATING INTERIOR PARTITIONS ARE TO FACE OF GPDW UNLESS NOTED OTHERWISE.
3. REFER TO A06 SERIES FOR EDGE OF SLAB AND EDGE OF DECK DIMENSIONING.
4. SEE A11 SERIES FOR DIMENSIONS OF INTERIOR PARTITIONS AT TOILET ROOMS.
5. SEE A60 SERIES FOR DOOR SCHEDULE.
6. SEE A61 SERIES FOR ROOM FINISH SCHEDULE.
7. SEE EXTERIOR ELEVATIONS FOR WINDOW TYPES.
8. PROVIDE CONTROL JOINTS IN GPDW PARTITIONS AT A MAX SPACING OF 30'-0" UNLESS NOTED OTHERWISE. MAX SPACING AT ABUSE GPDW IS 28'-0" UNO. LOCATE AT EDGE OF DOOR FRAME UP TO CEILING WHERE PRACTICAL. REVIEW LOCATIONS WITH THE ARCHITECT.
9. REFER TO FLOOR PLANS, ENLARGED PLANS AND DETAILS FOR ALUMINUM CORNER BEAD (CG) LOCATIONS.

SYMBOLS LEGEND

- 101 — ROOM NAME AND NUMBER SEE A61-1 FOR SCHEDULE
- 201 — DOOR AND BORROWED LITE NUMBERS SEE A60-2 FOR SCHEDULE
- 72 — MISCELLANEOUS ITEMS MARKER
- D60 — PARTITION TAG SEE A40-1 FOR PARTITION TAG KEY AND PARTITION DEFINITION DETAILS
- TD — TRENCH DRAIN - COORDINATE WITH STRUCTURAL AND PLUMBING
- FD — FLOOR DRAIN - COORDINATE WITH STRUCTURAL AND PLUMBING



A1 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

PLAN NORTH TRUE NORTH

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by: MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT — MARK D. LEE #3640 — STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
FLOOR PLAN

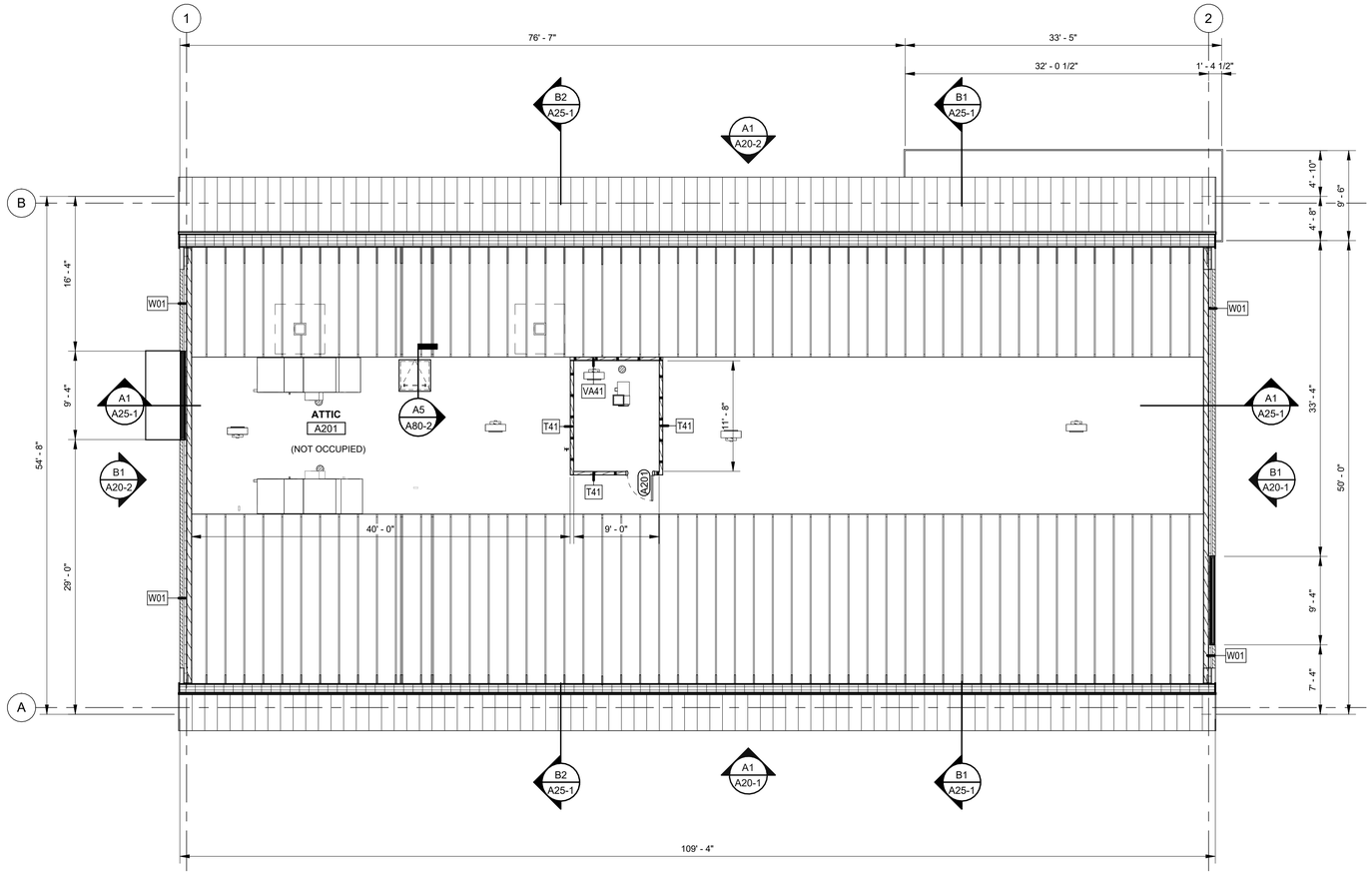
SHEET NUMBER: A10-1

GENERAL NOTES

1. SEE DRAWING A40-1 FOR PARTITION TYPES.
2. DIMENSIONS LOCATING INTERIOR PARTITIONS ARE TO FACE OF GPDW UNLESS NOTED OTHERWISE.
3. REFER TO A06 SERIES FOR EDGE OF SLAB AND EDGE OF DECK DIMENSIONING.
4. SEE A11 SERIES FOR DIMENSIONS OF INTERIOR PARTITIONS AT TOILET ROOMS.
5. SEE A60 SERIES FOR DOOR SCHEDULE.
6. SEE A61 SERIES FOR ROOM FINISH SCHEDULE.
7. SEE EXTERIOR ELEVATIONS FOR WINDOW TYPES.
8. PROVIDE CONTROL JOINTS IN GPDW PARTITIONS AT A MAX SPACING OF 30'-0" UNLESS NOTED OTHERWISE. MAX SPACING AT ABUSE GPDW IS 28'-0" UNO. LOCATE AT EDGE OF DOOR FRAME UP TO CEILING WHERE PRACTICAL. REVIEW LOCATIONS WITH THE ARCHITECT.
9. REFER TO FLOOR PLANS, ENLARGED PLANS AND DETAILS FOR ALUMINUM CORNER BEAD (CG) LOCATIONS.

SYMBOLS LEGEND

- 101 — ROOM NAME AND NUMBER SEE A61-1 FOR SCHEDULE
- 201 — DOOR AND BORROWED LITE NUMBERS SEE A60-2 FOR SCHEDULE
- 72 — MISCELLANEOUS ITEMS MARKER
- D60 — PARTITION TAG SEE A40-1 FOR PARTITION TAG KEY AND PARTITION DEFINITION DETAILS
- TD — TRENCH DRAIN - COORDINATE WITH STRUCTURAL AND PLUMBING
- FD — FLOOR DRAIN - COORDINATE WITH STRUCTURAL AND PLUMBING



A1 ATTIC FLOOR PLAN
SCALE: 1/8" = 1'-0"

PLAN NORTH TRUE NORTH

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by:

MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT — MARK D LEE #3640 — STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

Harriman

PROJ.NO: 25116

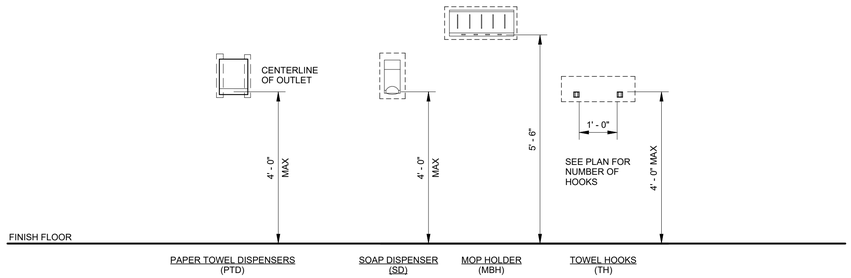
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

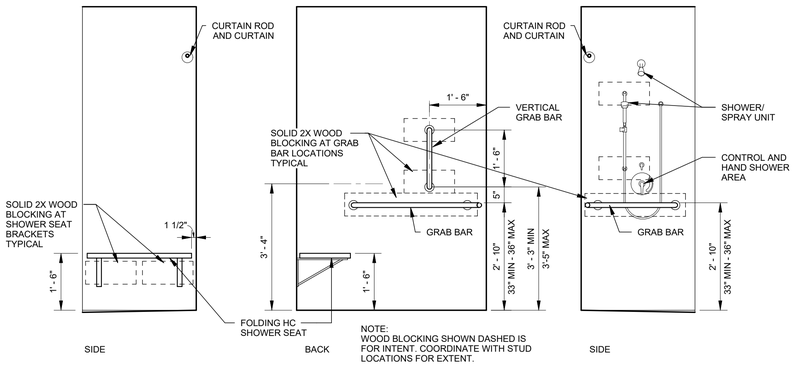
CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
ATTIC FLOOR PLAN

SHEET NUMBER: A10-2



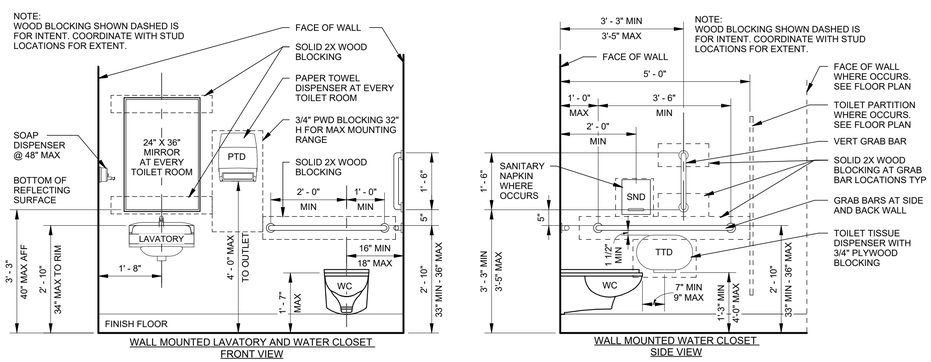
C1 DISPENSER AND ACCESSORY MOUNTING HEIGHTS

SCALE: 1/2" = 1'-0"



B1 TYPICAL SHOWER ACCESSORY AND MOUNTING HEIGHTS

SCALE: 1/2" = 1'-0"



A1 TOILET ACCESSORY MOUNTING DETAIL

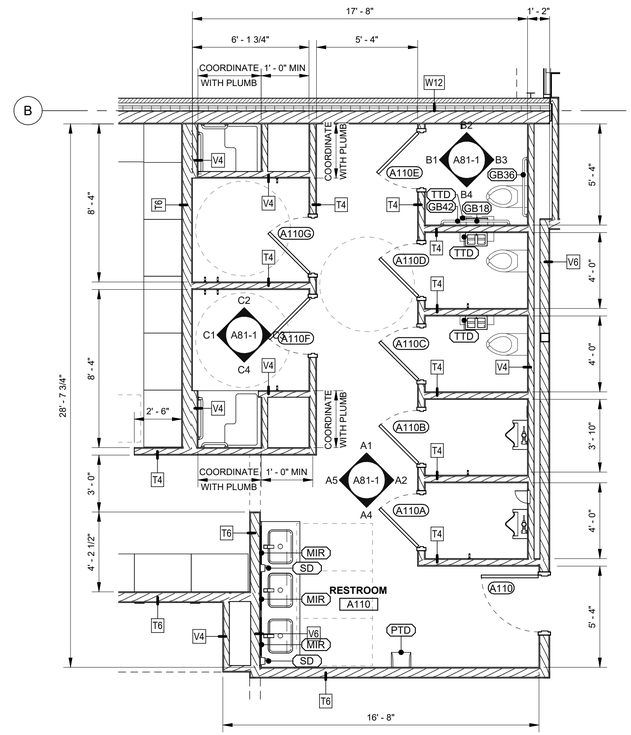
SCALE: 1/2" = 1'-0"

GENERAL NOTES

1. SEE DRAWING A40-1 FOR PARTITION TYPES.
2. SEE STANDARD MOUNTING DETAILS FOR TYPICAL TOILET AND SHOWER ACCESSORY MOUNTING HEIGHTS.
3. GC TO PROVIDE SOLID BLOCKING IN STUD WALLS FOR MOUNTING OF ALL OWNER AND GC PROVIDED ACCESSORIES.
4. DIMENSIONS LOCATING INTERIOR PARTITIONS ARE TO FACE OF GPDW UNLESS NOTED OTHERWISE.
5. REFERENCE PLUMBING DRAWINGS FOR PLUMBING FIXTURE DESIGNATION TYPES, MOUNTING HEIGHTS, AND LOCATIONS.
6. REFERENCE A4/A80-1 FOR SHOWER TRANSITION DETAIL

SYMBOLS LEGEND

- WATER CLOSET
- URINAL
- LAVATORY
- PAPER TOWEL DISPENSER (PTD) (OWNER FURNISHED GC INSTALLED)
- GRAB BARS (GB42) (GB36) (GB18)
- TOILET TISSUE DISPENSER (TTD) (OWNER FURNISHED GC INSTALLED)
- MIRROR (MIR)
- SOAP DISPENSER (SD) (OWNER FURNISHED GC INSTALLED)
- SANITARY NAPKIN DISPOSAL (SND)
- FLOOR DRAINAGE - FD



A3 RESTROOM ENLARGED PLAN

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

PLAN NORTH TRUE NORTH

Scale: As indicated

No.	Revision	By	Date

Designed by:

MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT MARK D. LEE #3640 STATE OF MAINE

	By	Date		By	Date
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Drawn:	JAE	10-14-2025			

Harriman

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

PROJ.NO: 25116

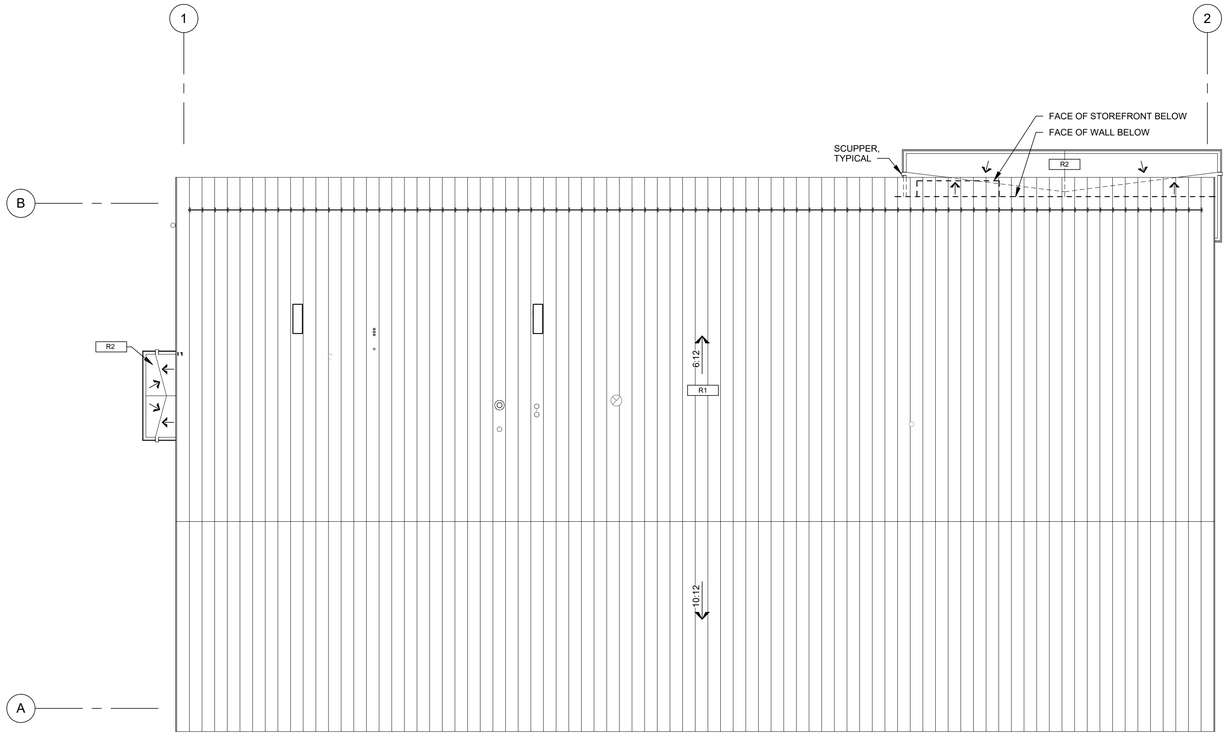
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
ENLARGED PLANS

SHEET NUMBER: A11-1

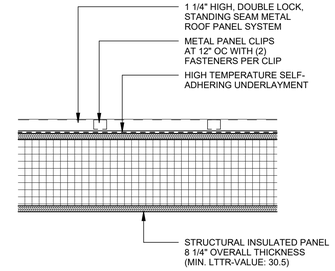
GENERAL NOTES

1. COORDINATE ALL ROOF PENETRATIONS WITH MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
2. SEE A51 SERIES FOR ROOF DETAILS.



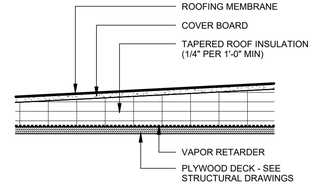
SYMBOLS LEGEND

- R1 — ROOF TYPE MARKER
- DIRECTION OF SLOPE
- VTR — ROOF VENT SEE DETAIL C1/A50-3
- SNOW GUARD SYSTEM SEE DETAIL B1/A50-1



ROOF SYSTEM - R1

NOTE:
ALL PENETRATIONS THROUGH THE VAPOR RETARDER TO BE SEALED PER MANUFACTURER REQUIREMENTS



ROOF SYSTEM - R2
(AT FLAT LOCATIONS)

ROOF SYSTEM R-VALUE: **R31.6**

R1	STANDING SEAM METAL ROOFING ON COMP INSUL	**R2**	STANDING SEAM METAL ROOFING ON COMP INSUL

A1 ROOF PLAN
SCALE: 1/8" = 1'-0"

PLAN NORTH TRUE NORTH

Scale: As indicated

No.	Revision	By	Date

Designed by:

MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT — MARK D. LEE #3640 — STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

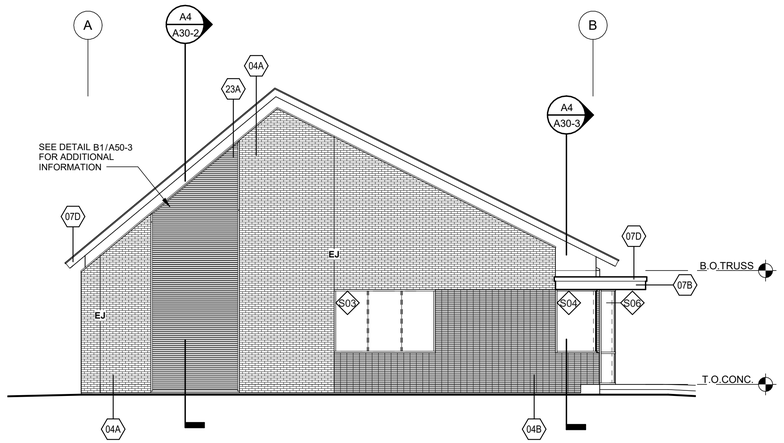
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
ROOF PLAN

SHEET NUMBER: A15-1

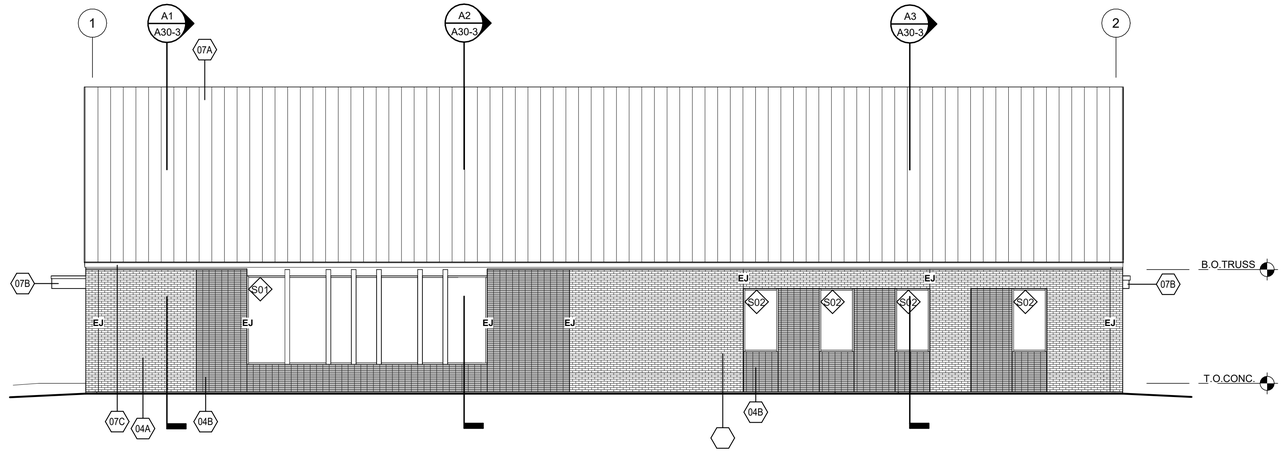
GENERAL NOTES

1. COORDINATE EXACT LOCATION OF WALL-MOUNTED FIRE ALARM SYSTEM COMPONENTS, AND WALL-MOUNTED DOOR/ACCESS CONTROL HARDWARE WITH ARCHITECT.
2. REFER TO A60-1 FOR EXTERIOR DOOR SIGNAGE DETAIL.



B1 NORTH EXTERIOR ELEVATION

SCALE: 1/8" = 1'-0"



A1 EAST EXTERIOR ELEVATION

SCALE: 1/8" = 1'-0"

EXTERIOR MATERIALS LEGEND

#	MATERIAL	MFR / COLOR
04A	BRICK VENEER - FIELD (RUNNING BOND)	MORIN BRICK: TBD
04B	BRICK VENEER - ACCENT (STACK BOND)	MORIN BRICK: TBD
07A	STANDING SEAM METAL ROOFING	FIRESTONE: TBD
07B	COMPOSITE METAL PANEL	ATAS OMAWALL: TBD
07C	BRAKE METAL FASCIA	COLOR: TBD
07D	ROOF EDGE FASCIA	COLOR: TBD
10A	8" ALUMINUM TEXT	BY ALLOWANCE
23A	MECHANICAL LOUVER	SEE MECH DWGS

EJ	BRICK EXPANSION JOINT	SEE DETAIL ON SHEET A41-1
S##	STOREFRONT SYSTEM SEE SHEET A55-1	KAWNEER: CLEAR ANODIZED

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by: MARK LEE, AIA

ISSUED FOR BID

LICENSED ARCHITECT MARK D. LEE #3640 STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
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Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07

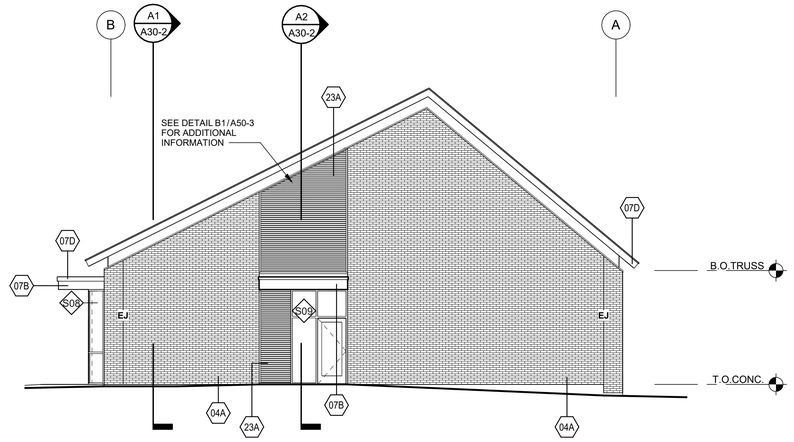
CROSBY MAINTENANCE OFFICE BUILDING

EXTERIOR ELEVATIONS

SHEET NUMBER: A20-1

GENERAL NOTES

1. COORDINATE EXACT LOCATION OF WALL-MOUNTED FIRE ALARM SYSTEM COMPONENTS, AND WALL-MOUNTED DOOR/ACCESS CONTROL HARDWARE WITH ARCHITECT.
2. REFER TO A60-1 FOR EXTERIOR DOOR SIGNAGE DETAIL.



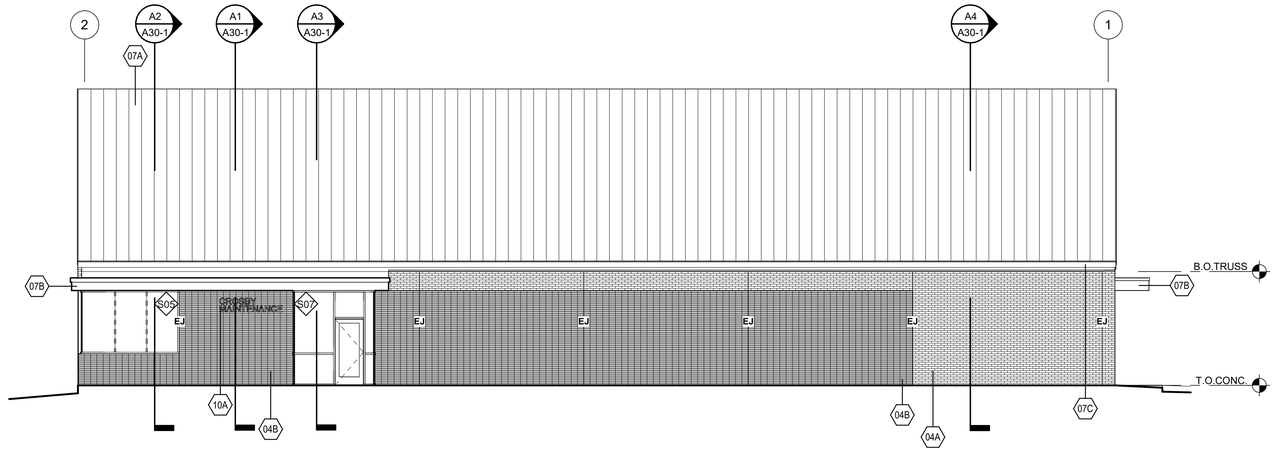
B1 SOUTH EXTERIOR ELEVATION

SCALE: 1/8" = 1'-0"

EXTERIOR MATERIALS LEGEND

#	MATERIAL	MFR / COLOR
04A	BRICK VENEER - FIELD (RUNNING BOND)	MORIN BRICK: TBD
04B	BRICK VENEER - ACCENT (STACK BOND)	MORIN BRICK: TBD
07A	STANDING SEAM METAL ROOFING	FIRESTONE: TBD
07B	COMPOSITE METAL PANEL	ATAS OMAWALL: TBD
07C	BRAKE METAL FASCIA	COLOR: TBD
07D	ROOF EDGE FASCIA	COLOR: TBD
10A	8" ALUMINUM TEXT	BY ALLOWANCE
23A	MECHANICAL LOUVER	SEE MECH DWGS

EJ	BRICK EXPANSION JOINT	SEE DETAIL ON SHEET A41-1
S##	STOREFRONT SYSTEM SEE SHEET A55-1	KAWNEER: CLEAR ANODIZED



A1 WEST EXTERIOR ELEVATION

SCALE: 1/8" = 1'-0"

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by:

MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT · MARK D. LEE #3640 · STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
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Harriman

PROJ.NO: 25116

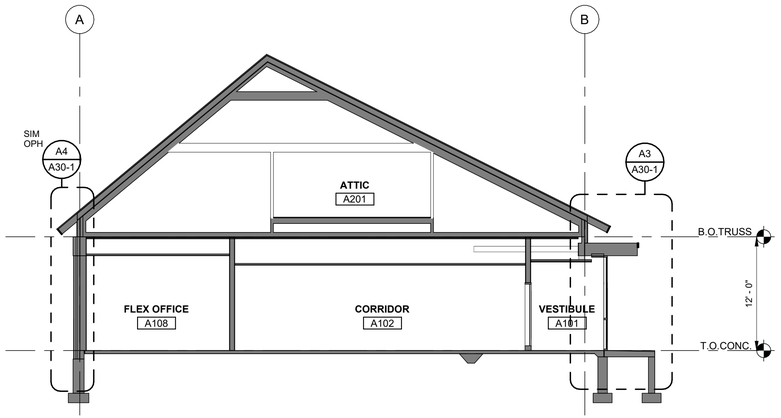
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

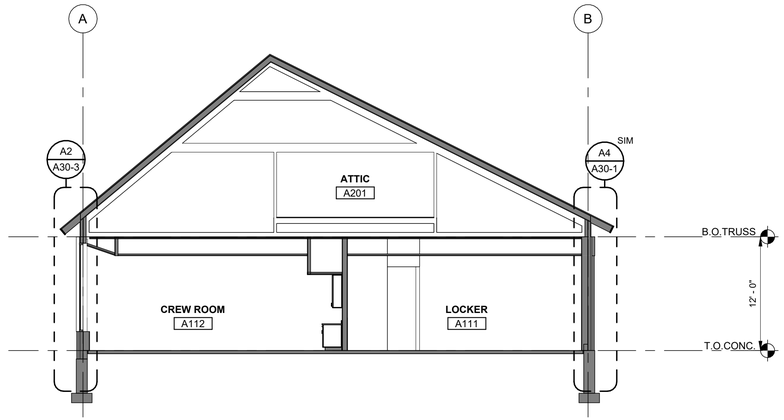
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
EXTERIOR ELEVATIONS

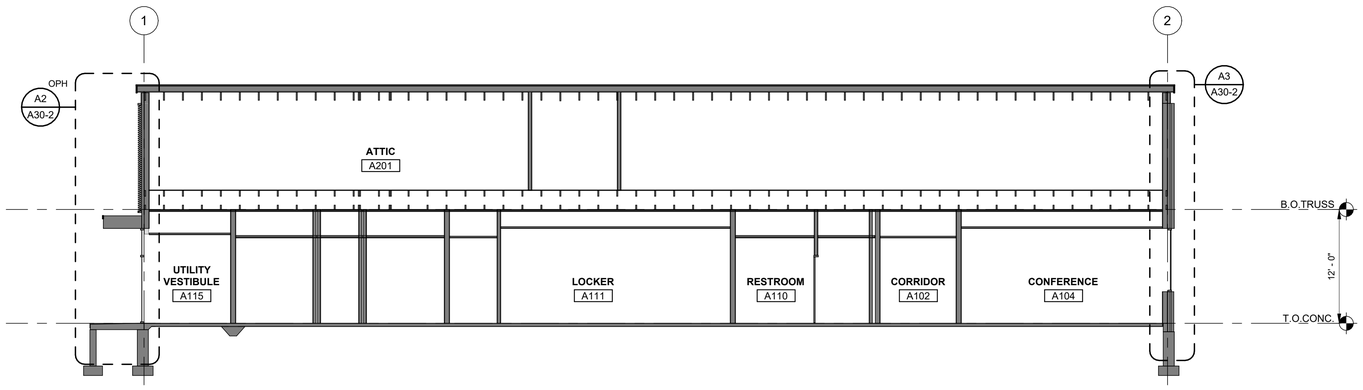
SHEET NUMBER: A20-2



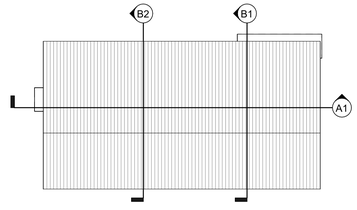
B1 BUILDING SECTION
SCALE: 1/8" = 1'-0"



B2 BUILDING SECTION
SCALE: 1/8" = 1'-0"



A1 BUILDING SECTION
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: 1" = 30'-0"

Scale: As indicated

No.	Revision	By	Date

Designed by:

MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT — MARK D. LEE #3640 — STATE OF MAINE

	By	Date		By	Date
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PROJ.NO: 25116

Harriman

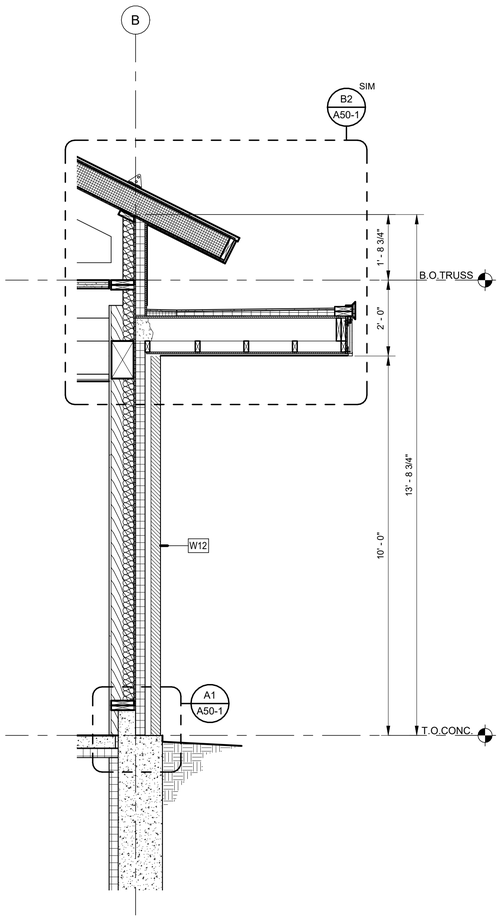
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

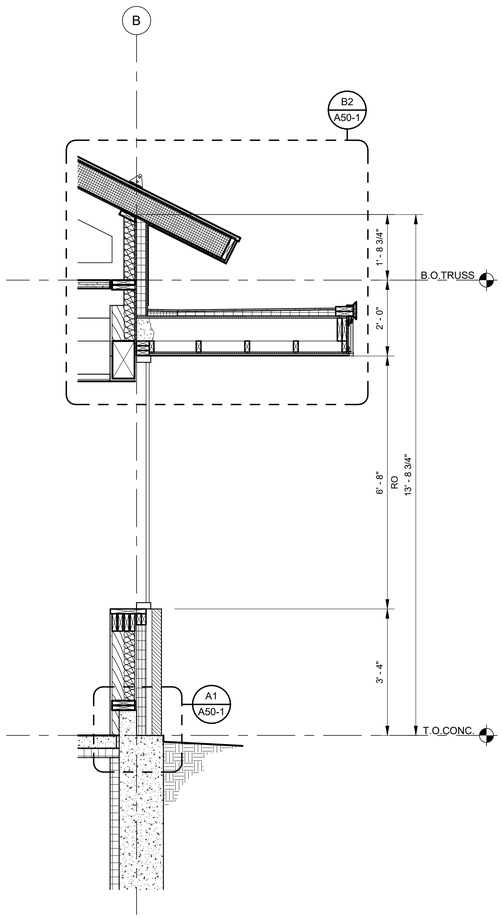
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
BUILDING SECTIONS

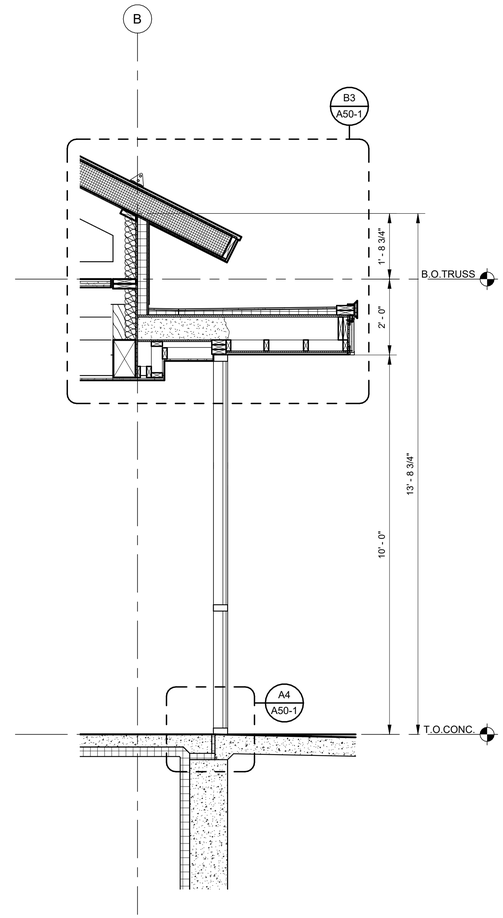
SHEET NUMBER: A25-1



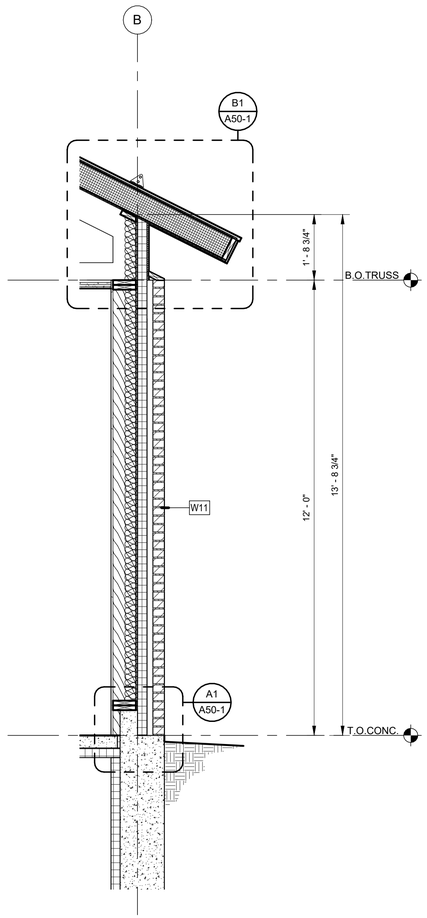
A1 WALL SECTION
SCALE: 1/2" = 1'-0"



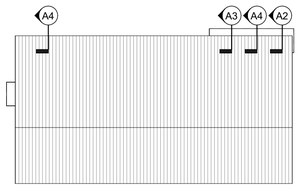
A2 WALL SECTION
SCALE: 1/2" = 1'-0"



A3 WALL SECTION
SCALE: 1/2" = 1'-0"



A4 WALL SECTION
SCALE: 1/2" = 1'-0"



KEY PLAN
SCALE: 1" = 30'-0"

Scale:
As indicated

No.	Revision	By	Date

Designed by:
MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT
MARK D. LEE #3640
STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

Harriman

PROJ.NO: 25116

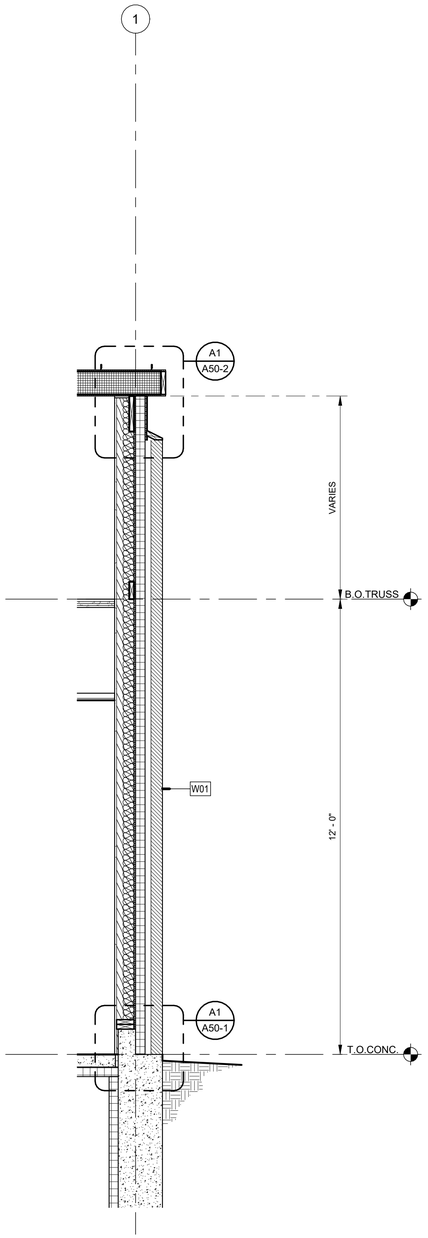
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

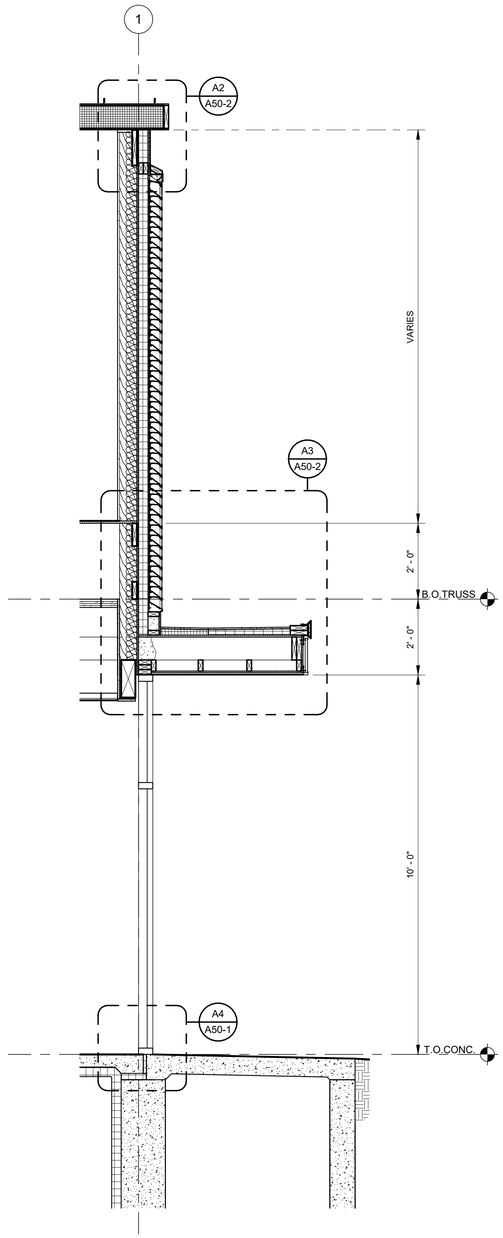
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
WALL SECTIONS

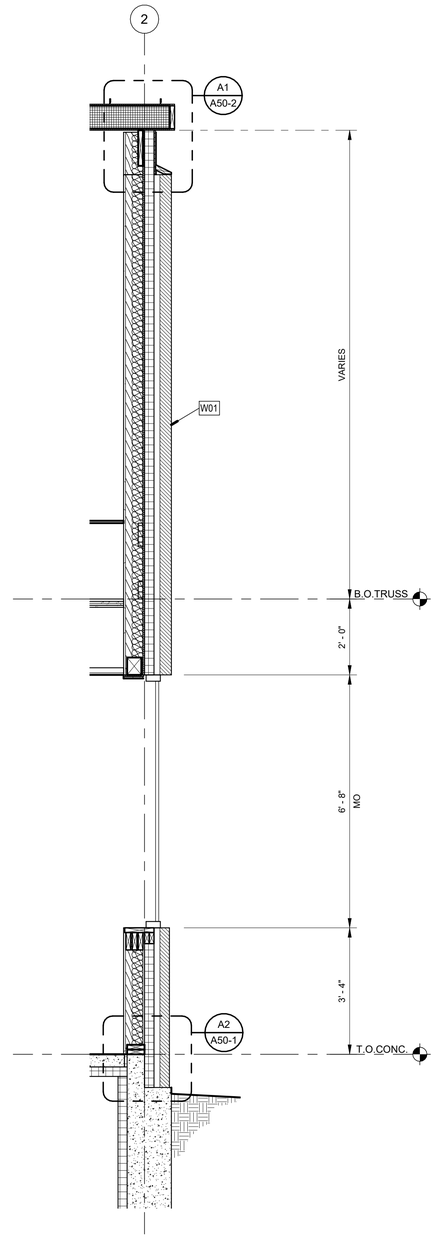
SHEET NUMBER: A30-1



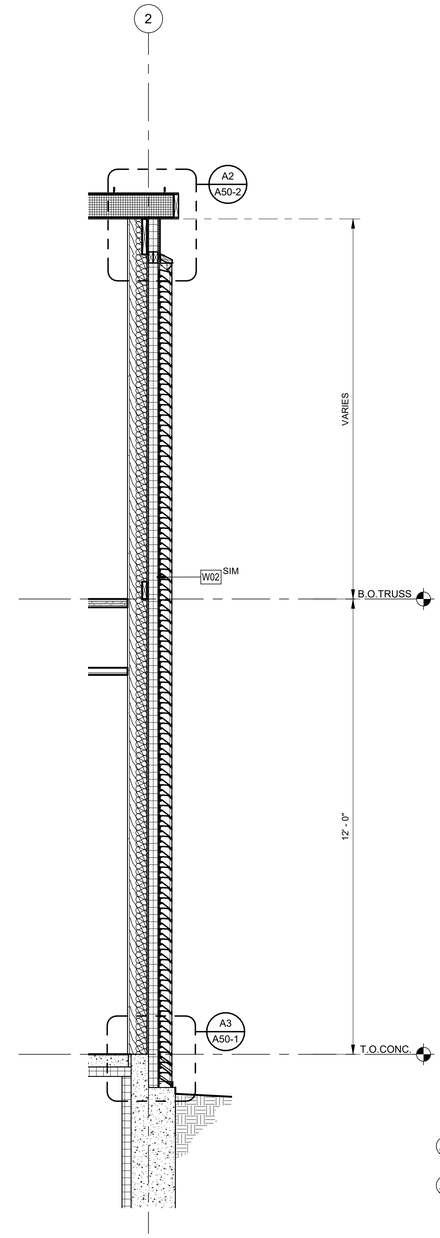
A1 WALL SECTION
SCALE: 1/2" = 1'-0"



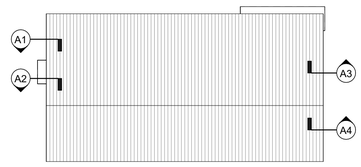
A2 WALL SECTION
SCALE: 1/2" = 1'-0"



A3 WALL SECTION
SCALE: 1/2" = 1'-0"



A4 WALL SECTION
SCALE: 1/2" = 1'-0"



KEY PLAN
SCALE: 1" = 30'-0"

Scale: As indicated

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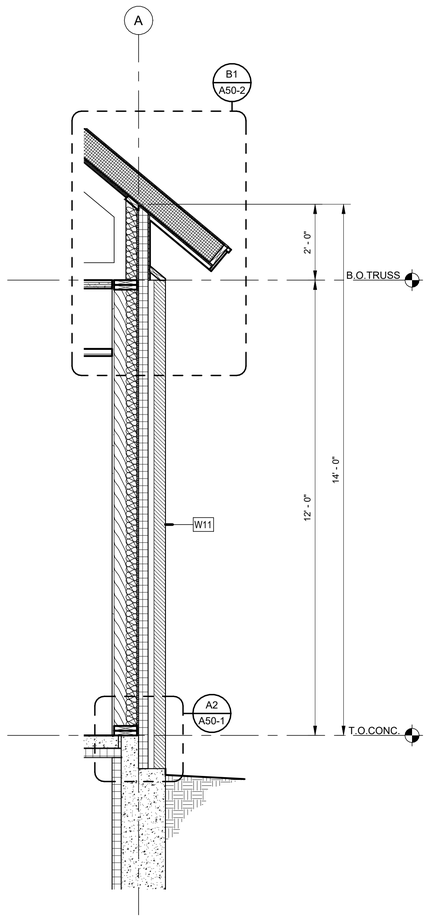
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

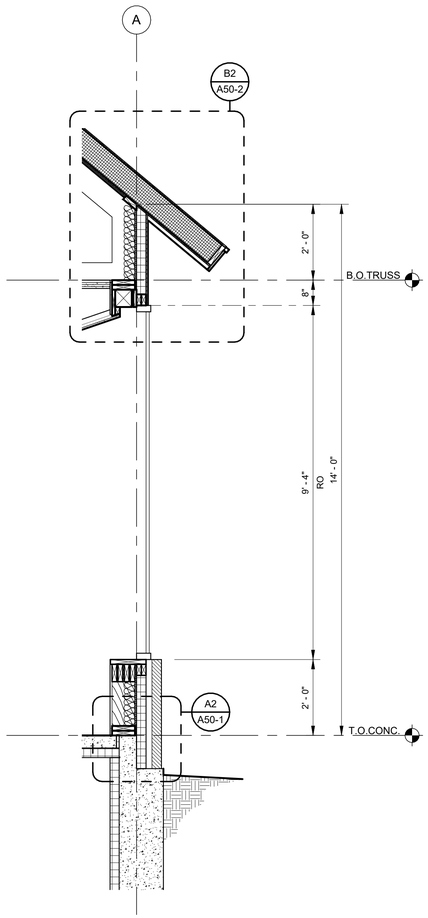
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
WALL SECTIONS

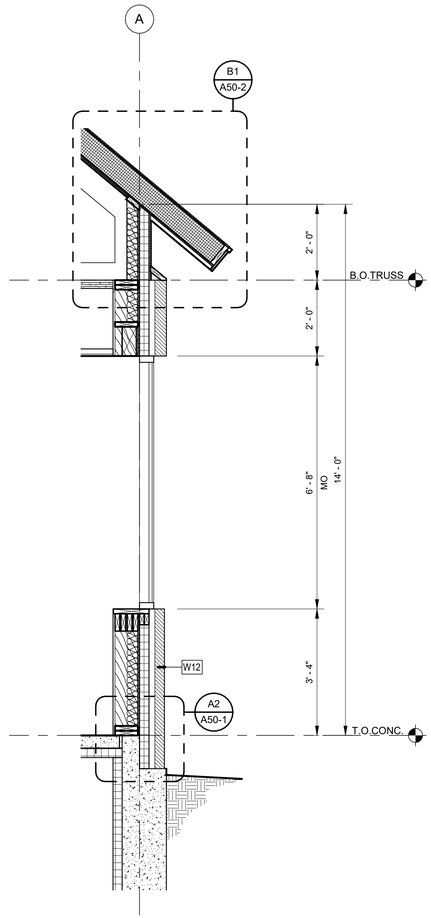
SHEET NUMBER: A30-2



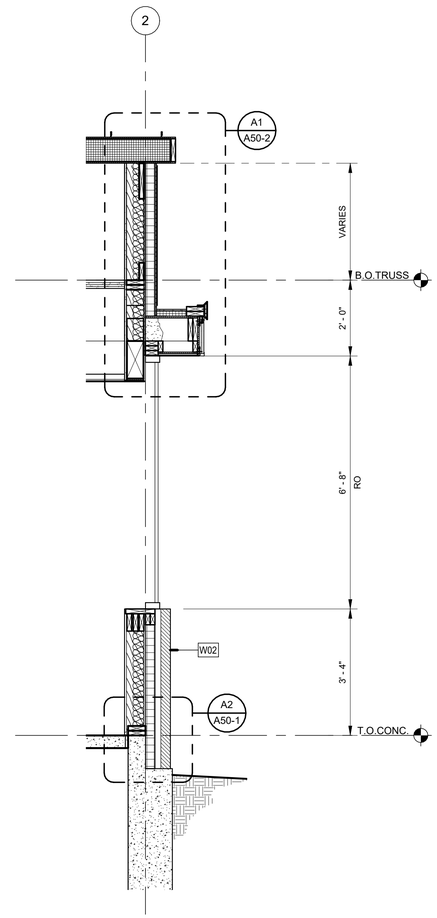
A1 WALL SECTION
SCALE: 1/2" = 1'-0"



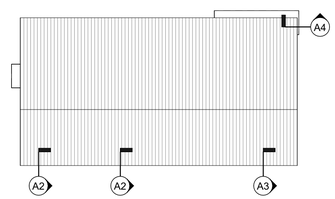
A2 WALL SECTION
SCALE: 1/2" = 1'-0"



A3 WALL SECTION
SCALE: 1/2" = 1'-0"



A4 WALL SECTION
SCALE: 1/2" = 1'-0"



KEY PLAN
SCALE: 1" = 30'-0"

Scale: As indicated

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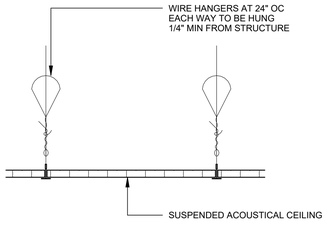
MAINE TURNPIKE

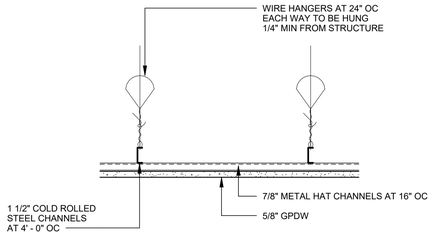
THE GOLD STAR MEMORIAL HIGHWAY

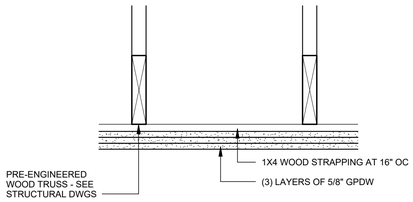
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
WALL SECTIONS

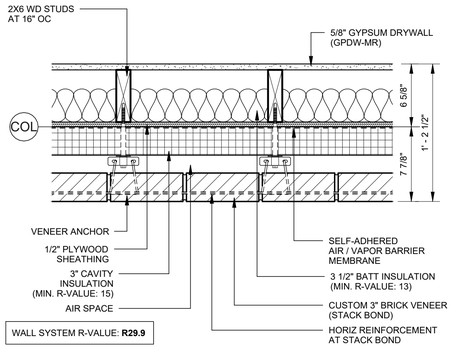
SHEET NUMBER: A30-3







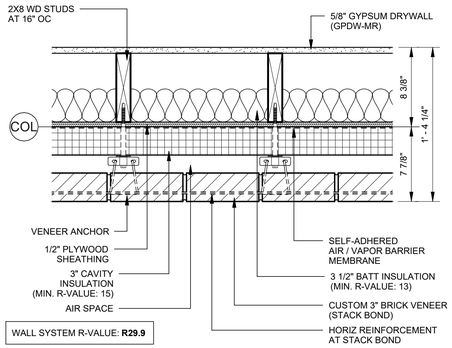
ACT ACOUSTICAL CEILING SYSTEM



WALL SYSTEM R-VALUE: **R29.9**

W02 ACCENT BRICK VENEER WITH 2X6 WD STUD BACKUP

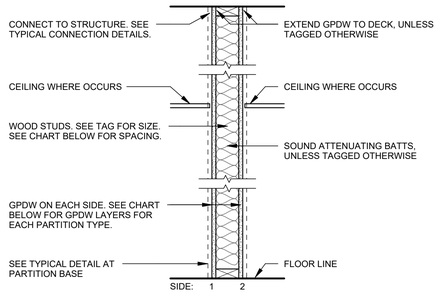
C1 SUSPENDED GPDW CEILING



WALL SYSTEM R-VALUE: **R29.9**

W12 ACCENT BRICK VENEER WITH 2X8 WD STUD BACKUP

CT RATED GPDW CEILING AT TRUSS

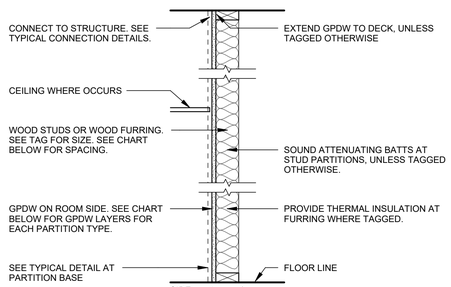


TYPE PREFIX	STUD SPACING	MIN STC	GPDW SIDE 1	GPDW SIDE 2
T	16" OC	36	(1) 5/8"	(1) 5/8"
TA	16" OC	41	(2) 5/8"	(2) 5/8"

AT RATED PARTITIONS, USE THE FOLLOWING UL SYSTEMS:

1 HR = U305
2 HR = U301 ("TA" ONLY)

T TYPE T - WOOD STUD PARTITION

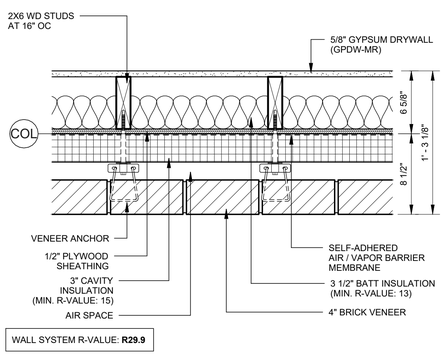


TYPE PREFIX	STUD SPACING	MIN STC	GPDW SIDE 1	GPDW SIDE 2
V	16" OC	34	(1) 5/8"	---
VA	16" OC	38	(2) 5/8"	---

AT RATED PARTITIONS, USE THE FOLLOWING UL SYSTEMS:

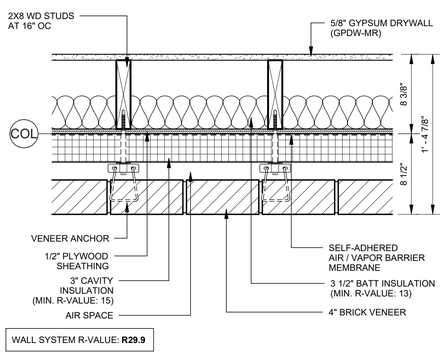
1 HR = U305 ("VA" ONLY)

V TYPE V - WOOD FURRING OR CHASE PARTITION



WALL SYSTEM R-VALUE: **R29.9**

W01 BRICK VENEER WITH 2X6 WOOD STUD BACKUP



WALL SYSTEM R-VALUE: **R29.9**

W11 BRICK VENEER WITH 2X8 WOOD STUD BACKUP

PARTITION TAG KEY



1. PARTITION TYPE / SUBTYPE:

   ONE OR TWO LETTER PREFIX INDICATING TYPE DIAGRAM AND VARIATIONS:
   1ST LETTER: REFERS TO PARTITION TYPE DIAGRAM FOR WALL COMPOSITION
   2ND LETTER *(OPTIONAL)*: REFERS TO A VARIATION OF THE BASIC TYPE

2. PARTITION SIZE DESIGNATOR

   FOR STEEL STUDS:
   1 = 1 5/8" STUD
   2 = 2 1/2" STUD
   3 = 3 5/8" STUD
   6 = 6" STUD
   8 = 8" STUD
   X = 10" STUD

   FOR METAL FURRING:
   0 = 7/8" METAL HATS
   1 = 1 1/2" ZEE FURRING
   2 = 2" ZEE FURRING
   3 = 3" ZEE FURRING

   FOR SHAFTWALL:
   2 = 2 1/2" SHAFTWALL STUDS
   4 = 4" SHAFTWALL STUDS
   6 = 6" SHAFTWALL STUDS

   FOR WOOD STUDS:
   4 = 2 x 4 STUD
   6 = 2 x 6 STUD
   8 = 2 x 8 STUD

   FOR WOOD FURRING:
   1 = 1x FURRING
   2 = 2x FURRING

   FOR MASONRY (SINGLE UNIT SIZE)
   2 = 11 5/8" CMU
   4 = 3 5/8" CMU OR BRICK
   6 = 5 5/8" CMU
   8 = 7 5/8" CMU

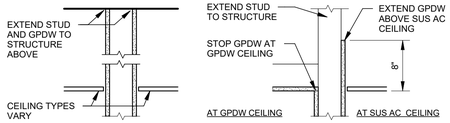
3. FIRE-RATING / SMOKE / HEIGHT OF GPDW (TOW) *(OPTIONAL TAG MODIFIER)*:

VALUE	RATING	GPDW SIDE 1	GPDW SIDE 2 *(IF APPLIES)*
BLANK	NO RATING	TO DECK	TO DECK
1	1 HOUR	TO DECK	TO DECK
2	2 HOUR	TO DECK	TO DECK
3	3 HOUR	TO DECK	TO DECK
4	4 HOUR	TO DECK	TO DECK
5	20 MINUTE	TO DECK	TO DECK
6	30 MINUTE	TO DECK	TO DECK
7	NO RATING	TO DECK	TO CEILING
8	NO RATING	TO CEILING	TO CEILING
9	UNDEFINED	---	---
S	0 HR SMOKE	TO DECK	TO DECK

SEE DIAGRAMS BELOW WHICH ILLUSTRATE THE HEIGHT OF GPDW CONDITIONS "TO DECK" AND "TO CEILING".

4. ADDITIONAL CONDITIONS *(OPTIONAL TAG MODIFIER)*:

   A = SUBSTITUTE ABUSE BOARD FOR GPDW
   B = SUBSTITUTE ABUSE BOARD FOR GPDW AND OMIT SAB FROM CAVITY
   H = SUBSTITUTE HIGH-IMPACT BOARD FOR GPDW
   J = SUBSTITUTE HIGH-IMPACT BOARD FOR GPDW AND OMIT SAB FROM CAVITY
   N = OMIT SOUND ATTENUATING BATTS (SAB) FROM CAVITY
   T = THERMAL INSULATION IN CAVITY



EXTEND GPDW "TO DECK" | EXTEND GPDW "TO CEILING"

THESE DIAGRAMS ILLUSTRATE WHAT THE DIAGRAMS AND PARTITION TAG KEY MEAN WHEN THE GPDW HEIGHT IS CALLED OUT TO EXTEND "TO DECK" OR "TO CEILING".

NOTE: IF THE GPDW HEIGHT IS NOTED AS EXTENDING "TO CEILING" AND THE ROOM HAS NO CEILING, EXTEND THE GPDW "TO DECK".

PARTITION DIAGRAM NOTES:

1. **GENERAL:**

   A. NOT ALL PARTITION TYPES SHOWN ARE APPLICABLE TO THIS PROJECT. SEE PLANS FOR TYPES USED.

   B. SEE THE A40 SERIES SHEETS FOR TYPICAL PARTITION CONNECTION DETAILS AND PARTITION FIRE STOP DETAILS.

   C. SEE SECTIONS AND DETAILS FOR CONNECTIONS OTHER THAN THOSE SHOWN.

   D. IN THE PARTITION TYPE DIAGRAMS, SIDE "1" REFERS TO THE MAJOR TRAFFIC (CORRIDOR) OR ROOM SIDE OF A PARTITION. SIDE "2" REFERS TO THE MINOR TRAFFIC, ROOM OR CHASE SIDE.

   E. WHERE REFERRED TO IN THE NOTES AND DIAGRAMS, THE OVERALL WIDTH OF A STUD PARTITION IS TAKEN FROM THE OUTSIDE FACE OF GPDW TO OUTSIDE FACE OF GPDW (OR FACE OF FRAMING MEMBER WHERE EXPOSED ON THE CHASE SIDE). THE OVERALL WIDTH OF A MASONRY PARTITION IS THE UNIT WIDTH FOR SINGLE WYTHE WALLS, AND THE IS FROM THE OUTSIDE FACE OF MASONRY TO THE OUTSIDE FACE OF MASONRY FOR MULTIPLE WYTHE WALLS.

PARTITION GENERAL NOTES:

1. **GENERAL:**

   A. SEE PARTITION DIAGRAM NOTES FOR ADDITIONAL INFORMATION.

2. **FRAMING:**

   A. USE 20 ga STEEL STUDS IN PARTITIONS WITH ABUSE RESISTANT GPDW, TILE BACKER BOARD, STC RATED WALLS AND AS OTHERWISE SPECIFIED.

3. **GYPSUM BOARD:**

   A. ALL GPDW TO BE TYPE-X GPDW.

   B. IN TOILET ROOMS, KITCHENS AND DIRTY DISH WASHING AREAS, WITH GPDW WALLS, PROVIDE 5/8" MOLD RESISTANT GPDW IN LIEU OF GPDW ON ALL STUD PARTITIONS WITHIN THE ROOM. WHERE THE GPDW EXTENDS ABOVE THE ROOM CEILING, PROVIDE MOLD RESISTANT GPDW TO A MIN 8" ABOVE THE CEILING AND USE 5/8" GPDW TO THE TOP OF THE PARTITION.

   C. IN TOILET ROOMS WHERE GPDW CEILINGS ARE CALLED FOR, PROVIDE 5/8" MOLD RESISTANT GPDW ON STEEL STUD FRAMING.

   D. PROVIDE 5/8" MOLD RESISTANT GPDW FROM FLOOR TO ROOF OR FLOOR DECK ABOVE ON INSIDE FACE OF EXTERIOR WALLS.

   E. AT PARTITIONS WHERE 5/8" ABUSE RESISTANT GPDW IS NOTED SUCH AS IN CORRIDORS, STAIRS, HALLS, LOBBIES AND STORAGE ROOMS. THE INTENT IS FOR THE ABUSE BOARD TO BE ON THE TRAFFIC SIDE OF THE ROOM. THE ROOM SIDE OF THE PARTITION PROVIDE 5/8" GPDW OR 5/8" MOISTURE GPDW AS NOTED ELSEWHERE IN THESE NOTES.

   F. WHERE 5/8" ABUSE RESISTANT GPDW IS NOTED, EXTEND UP TO 8" ABOVE CEILING THEN USE 5/8" GPDW UP TO DECK AND SEAL TIGHT.

4. **FIRE-RATED PARTITIONS:**

   A. ALL FIRE-RATED PARTITIONS SHALL BE STENCILED ON THE WALL SURFACE JUST ABOVE THE CEILING LINE INDICATING THE PARTITIONS FIRE-RATING; "1 HR", "2 HR", ETC IN RED OR ORANGE PAINT ON EACH SIDE OF THE PARTITION, SMOKE PARTITIONS "SMOKE" IN GREEN PAINT.

   B. ALL PARTITIONS EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK. SEAL ALL PARTITIONS TO DECK FOR SMOKE & SOUND CONTROL. FILL ALL VOIDS BETWEEN TOP OF PARTITION AND DECK AS SPECIFIED AND DETAILED IN THE A40 SERIES SHEETS.

5. **SOUND RESISTANT PARTITIONS:**

   A. PROVIDE INSULATION FOR THE FULL DEPTH OF THE STUD CAVITY UNLESS OTHERWISE SHOWN OR SPECIFIED.

   B. PROVIDE INSULATION SUPPORT ANCHORS.

   C. STC VALUES IN THE PARTITION TYPE DIAGRAMS ARE THE MINIMUM REQUIRED FOR THE ASSEMBLY. ACTUAL STC WILL VARY WITH THE STUD CAVITY SIZE.

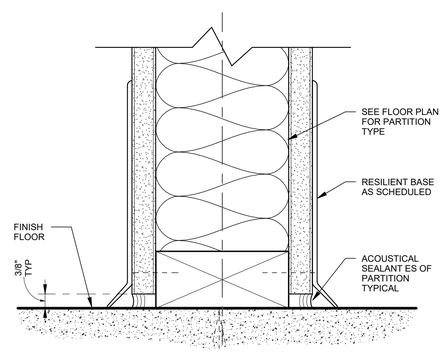
6. **MISCELLANEOUS:**

   A. WHERE GPDW & STUD PARTITIONS INTERSECT BEAMS OR JOIST, FRAME AROUND BOTH SIDES OF BEAMS & JOIST WITH METAL STUDS AND GPDW TO MAINTAIN CONTINUITY OF PARTITION TO UNDERSIDE OF DECK.

   B. WHERE CMU WALLS, RATED AND NON-RATED, INTERSECT BEAMS OR JOISTS, FRAME AROUND BOTH SIDES OF BEAMS OR JOIST WITH METAL STUDS AND GPDW TO MAINTAIN CONTINUITY OF PARTITION TO UNDERSIDE OF DECK.

   C. TOP OF PARTITION CLOSURE DETAILS SHOWN ARE TYPICAL. ACTUAL FIELD CONDITIONS MAY VARY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ACTUAL CONDITIONS AND MODIFYING CLOSURE DETAILS TO MEET ACTUAL CONDITIONS AND MAINTAINING CONTINUITY OF PARTITIONS FROM FLOOR TO DECK ABOVE.

   D. PROVIDE 3/8" ACOUSTICAL SEALANT JOINT WITH CASING BEAD AROUND PERIMETER OF GPDW ASSEMBLIES WHEN ABUTTING DISSIMILAR MATERIALS UNLESS NOTED OR DETAILED ELSEWHERE IN THIS SET.



A1 TYPICAL BASE OF WALL DETAIL
SCALE: 6" = 1'-0"

Scale: As indicated

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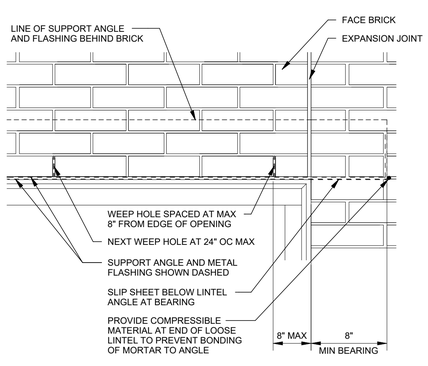
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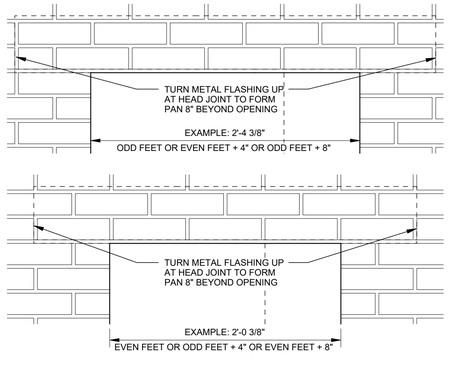
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
PARTITION LEGEND AND DETAILS

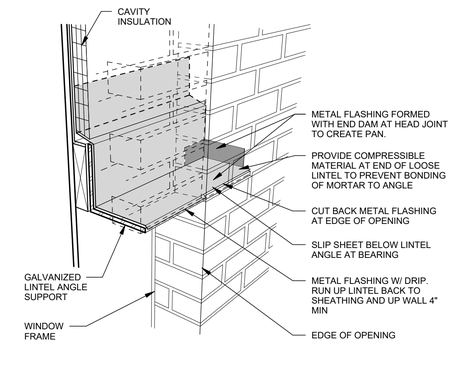
SHEET NUMBER: A40-1



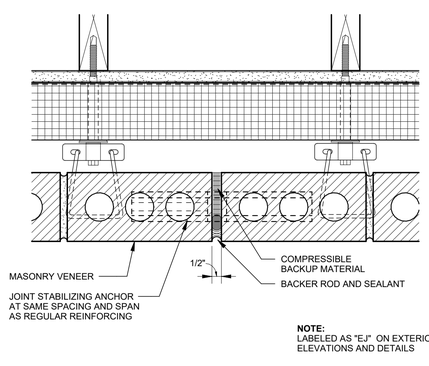
A1 WEEP HOLE LOCATION DETAIL
SCALE: 1 1/2" = 1'-0"



A2 COURSING AT OPENINGS
SCALE: 1 1/2" = 1'-0"

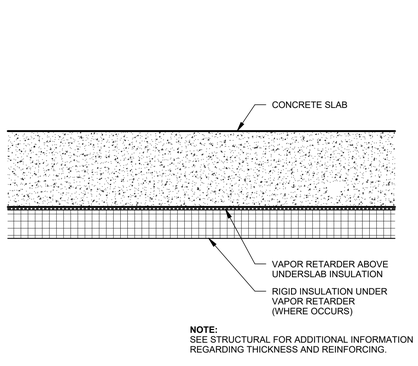


A3 LINTEL OPENING FLASHING DETAIL
SCALE: 1 1/2" = 1'-0"



NOTE:
LABELED AS "EJ" ON EXTERIOR ELEVATIONS AND DETAILS

A4 TYPICAL BRICK EXPANSION JOINT
SCALE: 3" = 1'-0"



NOTE:
SEE STRUCTURAL FOR ADDITIONAL INFORMATION REGARDING THICKNESS AND REINFORCING.

A5 TYPICAL BRICK EXPANSION JOINT
SCALE: 3" = 1'-0"

Scale: As indicated

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MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT MARK D. LEE #3640 STATE OF MAINE

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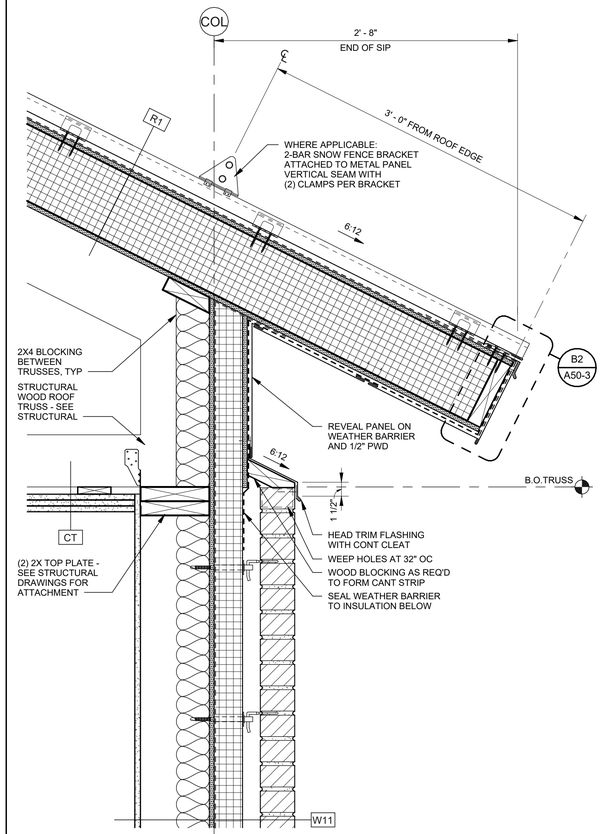
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THE GOLD STAR MEMORIAL HIGHWAY

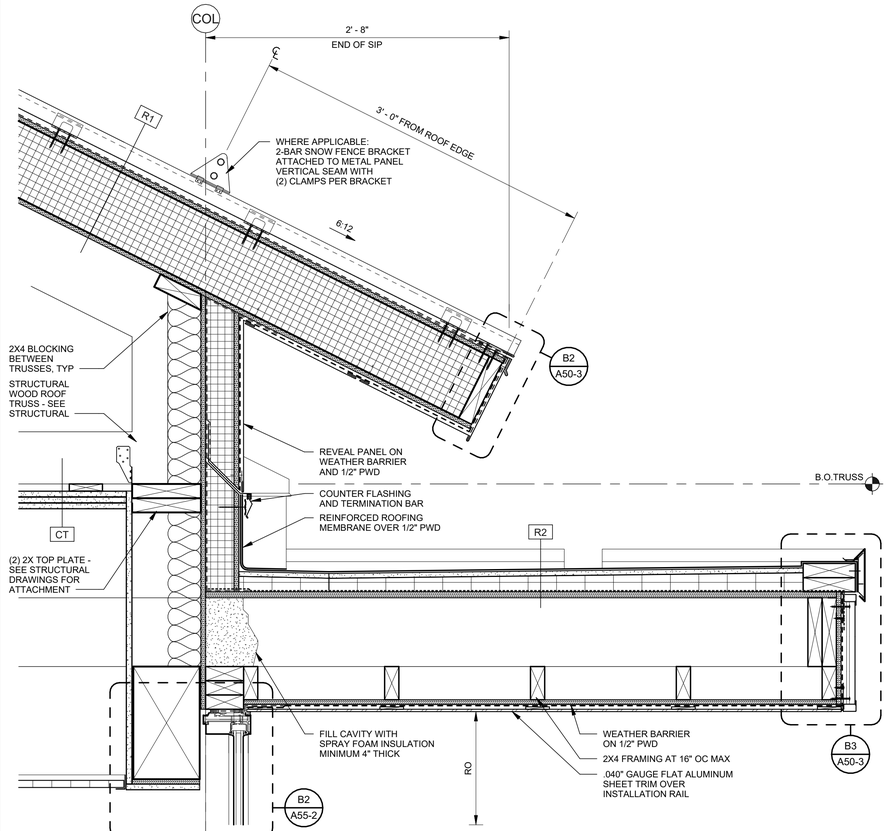
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
CONSTRUCTION SYSTEMS DETAILS

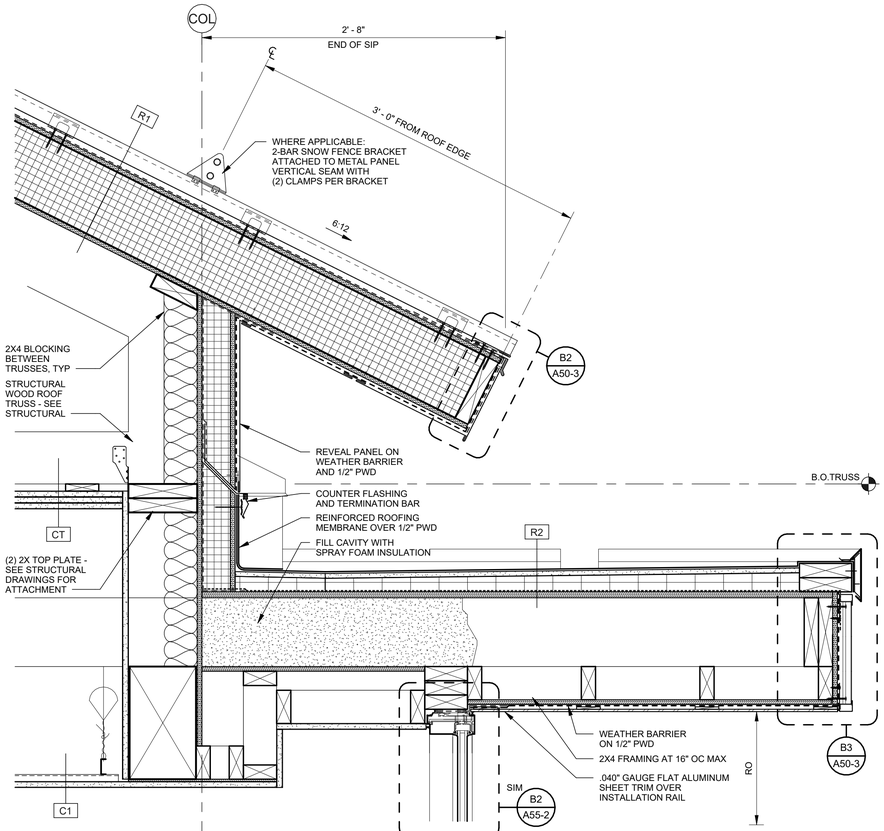
SHEET NUMBER: A40-2



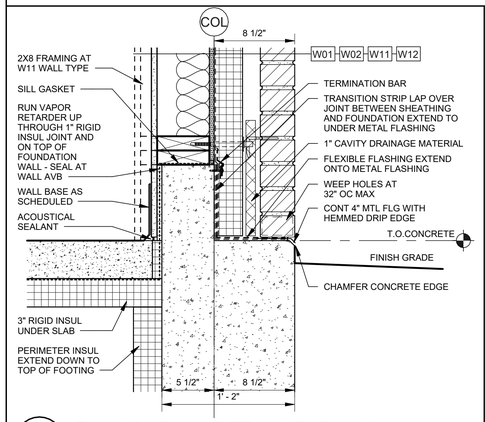
B1 EAVE DETAIL AT 6:12 PITCH, TYPICAL
SCALE: 1 1/2" = 1'-0"



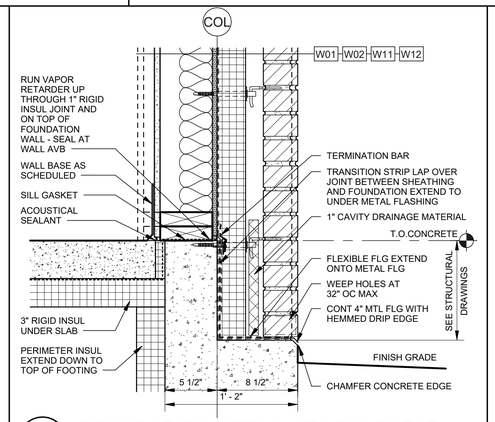
B2 EAVE/CANOPY DETAIL AT STOREFRONT
SCALE: 1 1/2" = 1'-0"



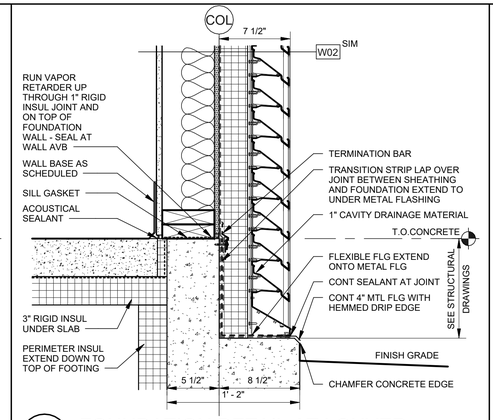
B3 EAVE/CANOPY DETAIL AT VESTIBULE
SCALE: 1 1/2" = 1'-0"



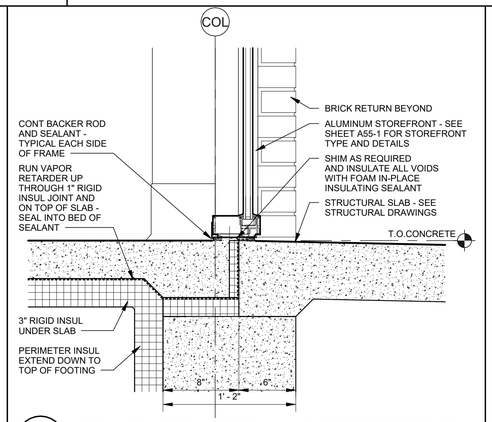
A1 FOUNDATION DETAIL, TYPICAL
SCALE: 1 1/2" = 1'-0"



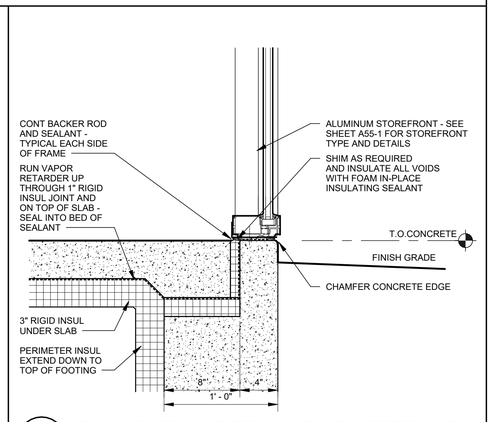
A2 FOUNDATION DETAIL AT LOW SHELF
SCALE: 1 1/2" = 1'-0"



A3 FOUNDATION DETAIL AT LOUVER
SCALE: 1 1/2" = 1'-0"



A4 FOUNDATION DETAIL AT STOREFRONT
SCALE: 1 1/2" = 1'-0"



A5 FOUNDATION DETAIL AT STOREFRONT
SCALE: 1 1/2" = 1'-0"

Scale:
1 1/2" = 1'-0"

No.	Revision	By	Date

Designed by:
MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT
MARK D. LEE #3640
STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

Harriman

PROJ.NO: 25116

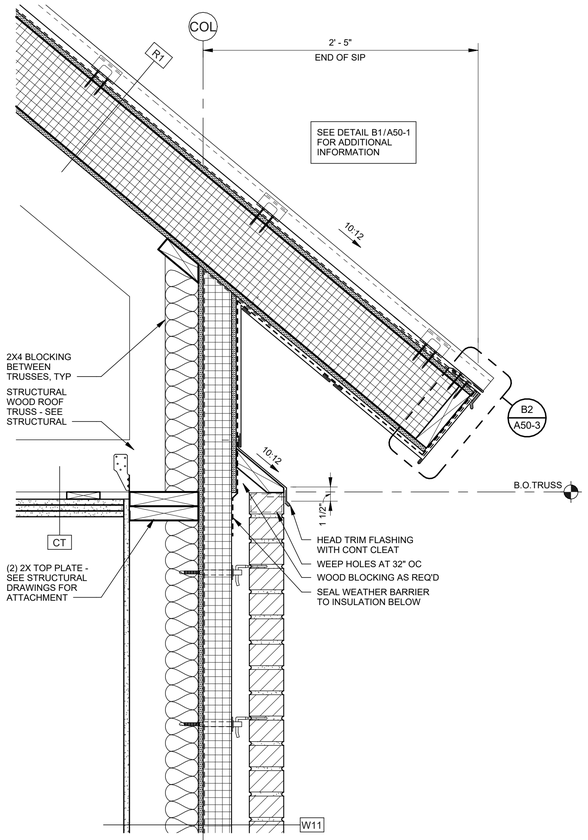
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

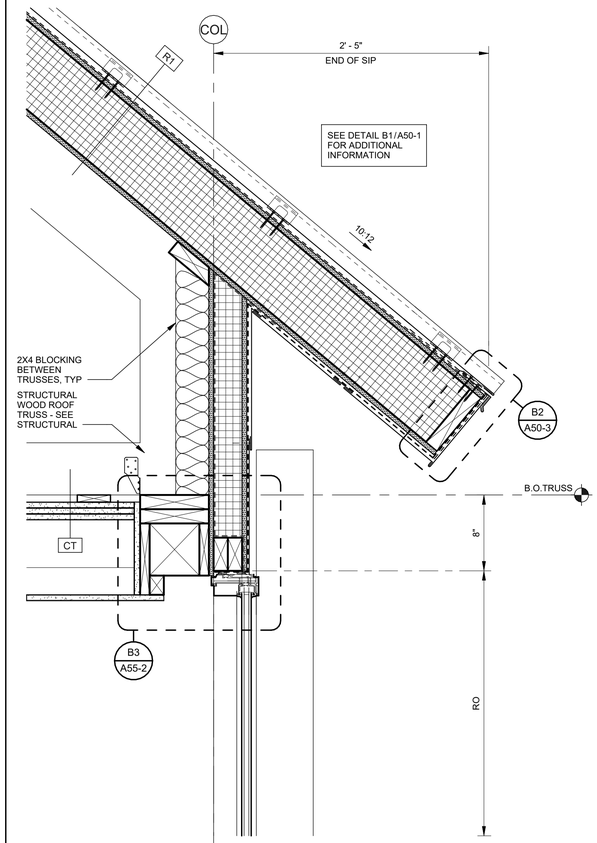
CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
EXTERIOR DETAILS

SHEET NUMBER: A50-1



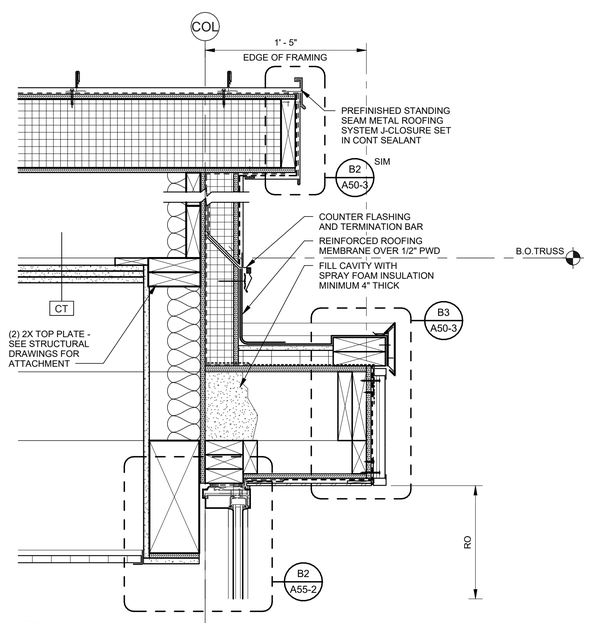
B1 EAVE DETAIL AT 10:12 PITCH, TYPICAL

SCALE: 1 1/2" = 1'-0"



B2 EAVE DETAIL AT STOREFRONT

SCALE: 1 1/2" = 1'-0"



B3 RAKE/CANOPY DETAIL AT STOREFRONT

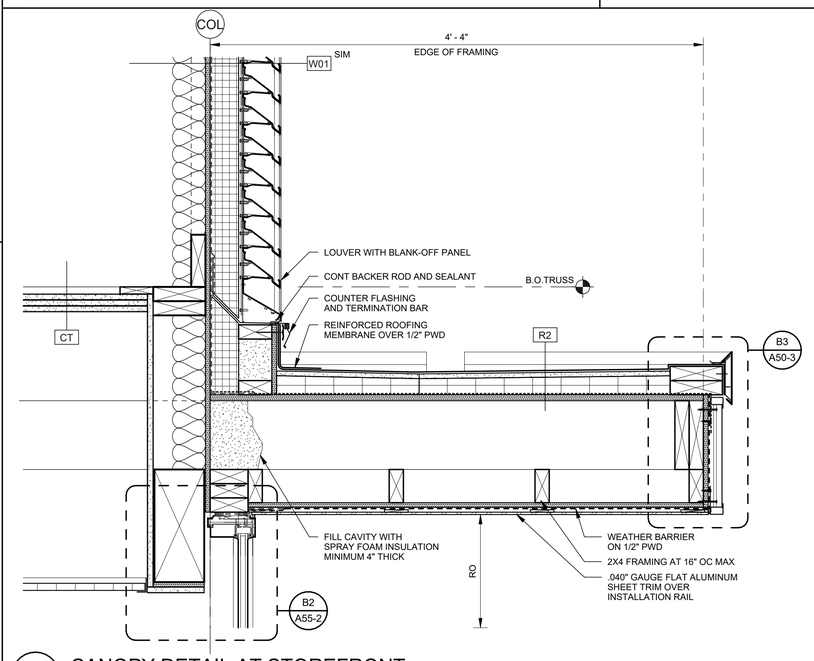
SCALE: 1 1/2" = 1'-0"

A1 RAKE DETAIL

SCALE: 1 1/2" = 1'-0"

A2 RAKE DETAIL

SCALE: 1 1/2" = 1'-0"



A3 CANOPY DETAIL AT STOREFRONT

SCALE: 1 1/2" = 1'-0"

Scale: 1 1/2" = 1'-0"

No.	Revision	By	Date

Designed by: MARK LEE, AIA

ISSUED FOR BID

LICENSED ARCHITECT MARK D. LEE #3640 STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

PROJ.NO: 25116

Harriman

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

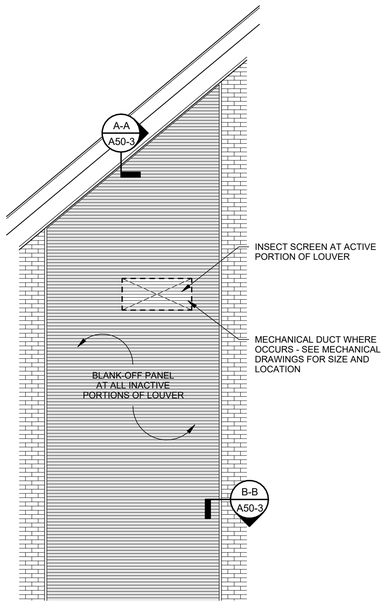
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07

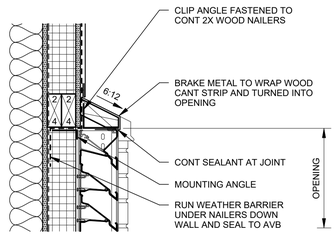
CROSBY MAINTENANCE OFFICE BUILDING

EXTERIOR DETAILS

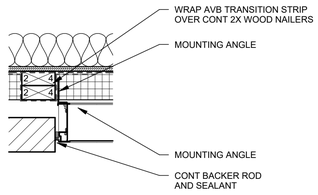
SHEET NUMBER: A50-2



ELEVATION DETAIL



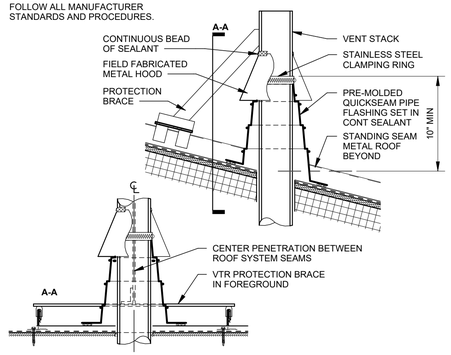
A-A LOUVER HEAD DETAIL



B-B LOUVER JAMB DETAIL

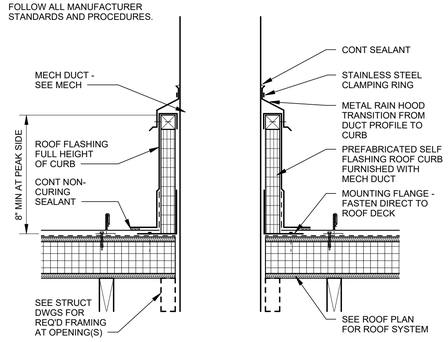
B1 LOUVER DETAILS
NO SCALE

NOTE:
FOLLOW ALL MANUFACTURER STANDARDS AND PROCEDURES.



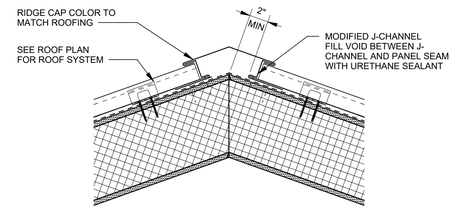
C1 VENT THROUGH ROOF DETAIL
SCALE: 1 1/2" = 1'-0"

NOTE:
FOLLOW ALL MANUFACTURER STANDARDS AND PROCEDURES.

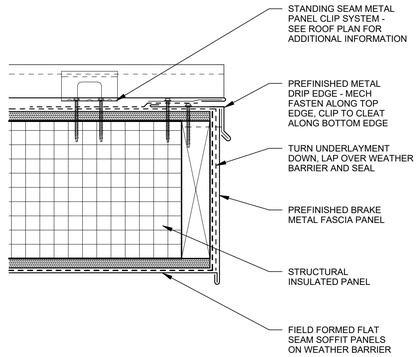


C2 EXHAUST THROUGH ROOF DETAIL
SCALE: 1 1/2" = 1'-0"

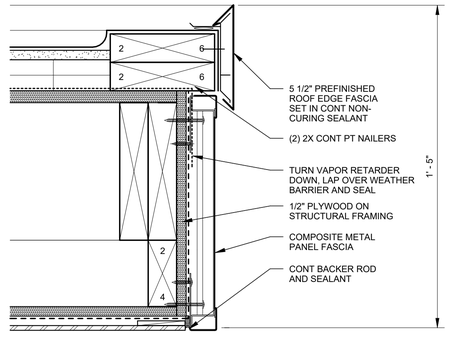
NOTE:
FOLLOW ALL MANUFACTURER STANDARDS AND PROCEDURES.



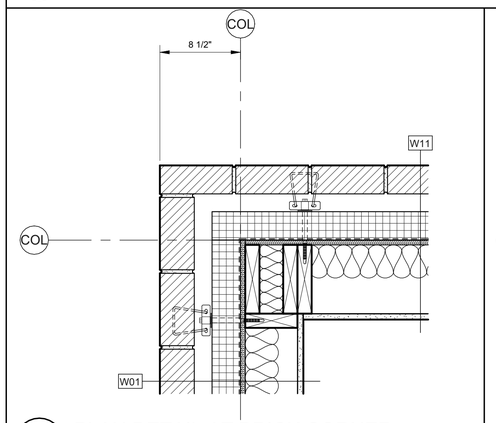
C3 RIDGE DETAIL
SCALE: 1 1/2" = 1'-0"



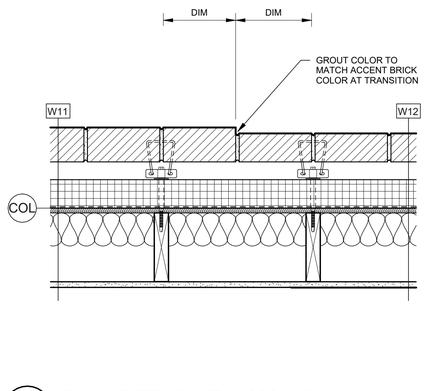
B2 ROOF EDGE DETAIL
SCALE: 3" = 1'-0"



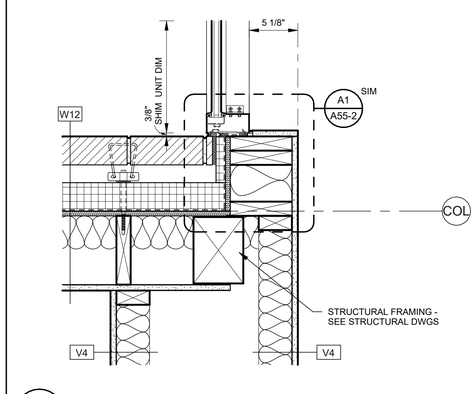
B3 CANOPY EDGE DETAIL
SCALE: 3" = 1'-0"



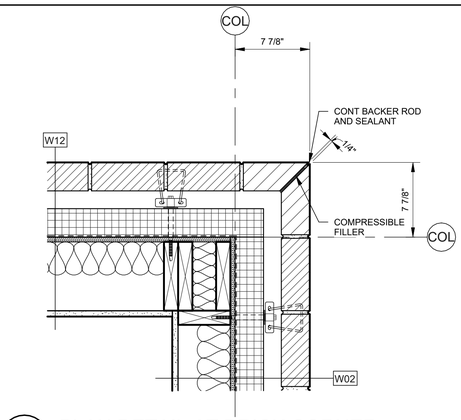
A1 PLAN DETAIL AT BRICK CORNER
SCALE: 1 1/2" = 1'-0"



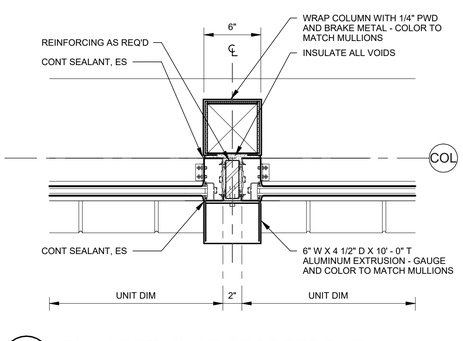
A2 PLAN DETAIL AT W02/W12
SCALE: 1 1/2" = 1'-0"



A3 PLAN DETAIL AT STOREFRONT
SCALE: 1 1/2" = 1'-0"



A4 PLAN DETAIL AT BRICK CORNER
SCALE: 1 1/2" = 1'-0"



A5 PLAN DETAIL AT STOREFRONT
SCALE: 1 1/2" = 1'-0"

Scale:
As indicated

No.	Revision	By	Date

Designed by:
MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT MARK D. LEE #3640 STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

PROJ.NO: 25116

Harriman

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
EXTERIOR DETAILS

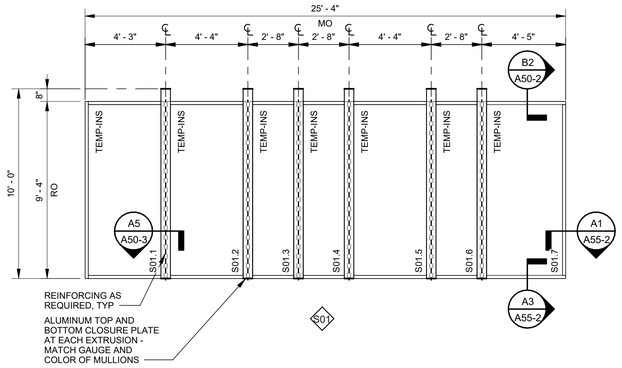
SHEET NUMBER: A50-3

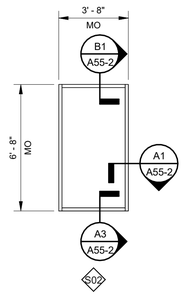
GENERAL NOTES

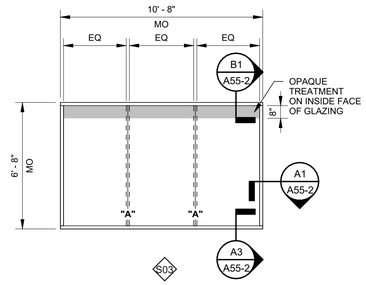
1. GLAZING INDICATED IN EXTERIOR STOREFRONT TYPES SHALL BE INSULATED GLASS UNITS, UNLESS NOTED OTHERWISE (U.N.O.).
2. ALL EXTERIOR STOREFRONT SYSTEM TYPES ARE FRONT PLANE OUTSIDE GLAZED SYSTEMS, AND HAVE 2" THICK MULLIONS, U.N.O.

GLAZING TYPES:

TMP	TEMPERED
TMP-INS	INSULATED TEMPERED GLAZING
LAM	LAMINATED
FIRE LAM	LAMINATED FIRE RATED GLAZING
FIRE LAM-INS	INSULATED FIRE RATED GLAZING
LAM-INS	INSULATED LAMINATED GLAZING
LAM-BG	BUTT GLAZED LAMINATED
LAM-OG	LAMINATED ONE WAY OBSERVATION GLAZING
LAM-BR	LAMINATED BULLET RESISTANT GLAZING
LAM-BR-INS	INSULATED LAMINATED BULLET RESISTANT GLAZING
PG	POLYCARBONATE GLAZING
S	INSULATED SPANDREL GLASS

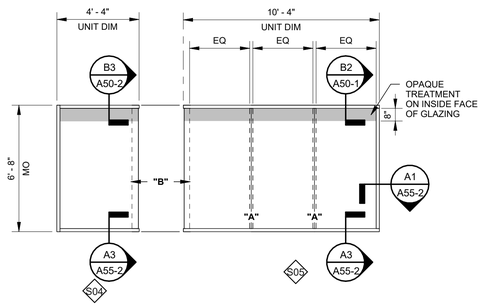


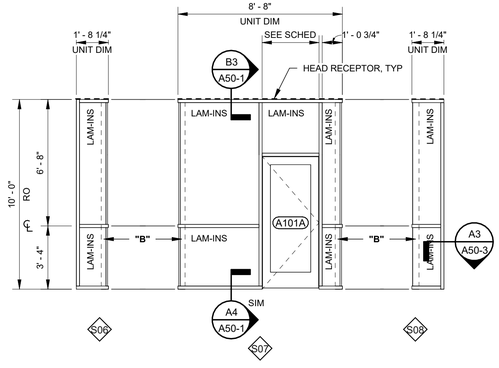


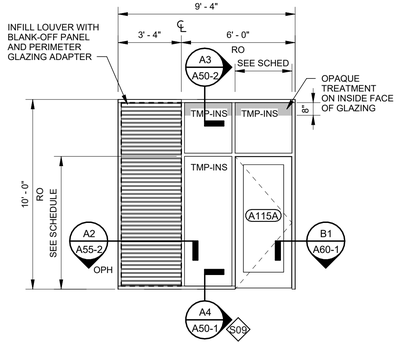


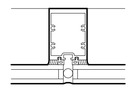
EXTERIOR WINDOW SHADES SCHEDULE

ROOM NO.	TYPE	FABRIC	APPROX. DIMENSIONS
A103	MANUALLY OPERATED	LIGHT FILTERING	6' - 4" H X 3' - 2" W
			6' - 4" H X 3' - 2" W
			6' - 4" H X 3' - 2" W
			6' - 4" H X 3' - 9" W
A104	MANUALLY OPERATED	LIGHT FILTERING	6' - 8" H X 10' - 8" W
A106	MANUALLY OPERATED	LIGHT FILTERING	6' - 8" H X 3' - 8" W
A107	MANUALLY OPERATED	LIGHT FILTERING	6' - 8" H X 3' - 8" W
A108	MANUALLY OPERATED	LIGHT FILTERING	6' - 8" H X 3' - 8" W
A109	MANUALLY OPERATED	LIGHT FILTERING	6' - 8" H X 3' - 8" W
A112	MANUALLY OPERATED	LIGHT FILTERING	9' - 4" H X 25' - 4" W



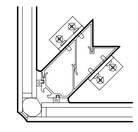






VERTICAL MULLION WITH SSG VERTICAL ADAPTER

TYPE "A"
(EXTERIOR STOREFRONT SYSTEMS)



90° OUTSIDE CORNER

TYPE "B"
(EXTERIOR STOREFRONT SYSTEMS)

A1 STOREFRONT TYPES
SCALE: 1 1/2" = 1'-0"

A2 MULLION TYPES
SCALE: 3" = 1'-0"

Scale: As indicated

No.	Revision	By	Date

Designed by:

MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT MARK D. LEE #3640 STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

Harriman

PROJ.NO: 25116

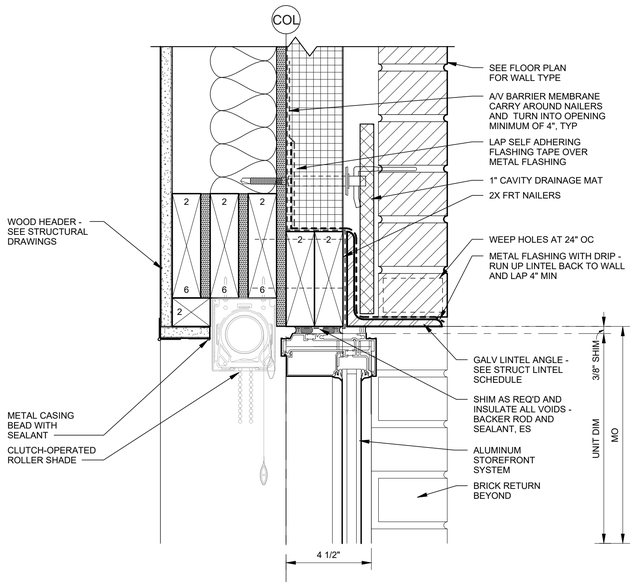
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

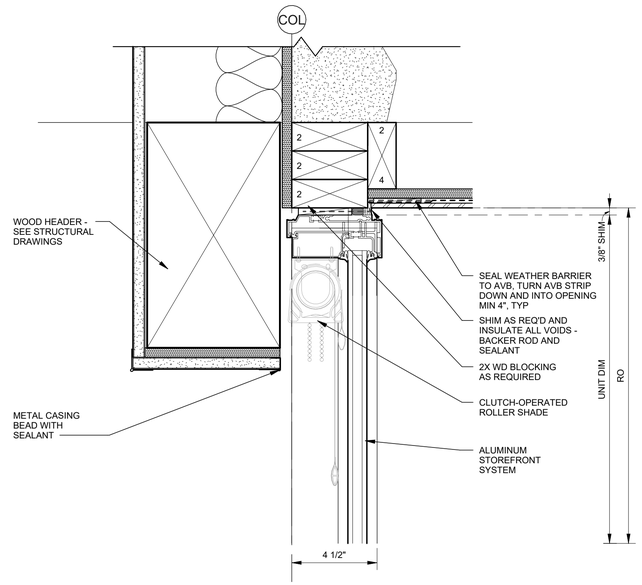
CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
STOREFRONT DETAILS

SHEET NUMBER: A55-1



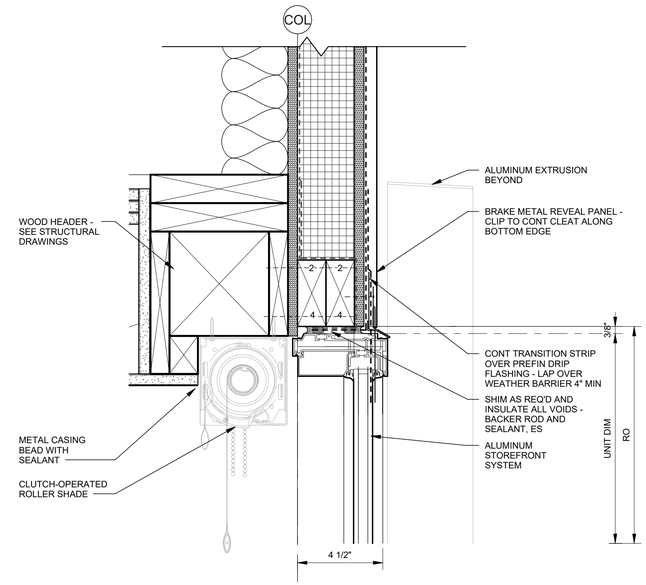
B1 HEAD DETAIL AT BRICK

SCALE: 3" = 1'-0"



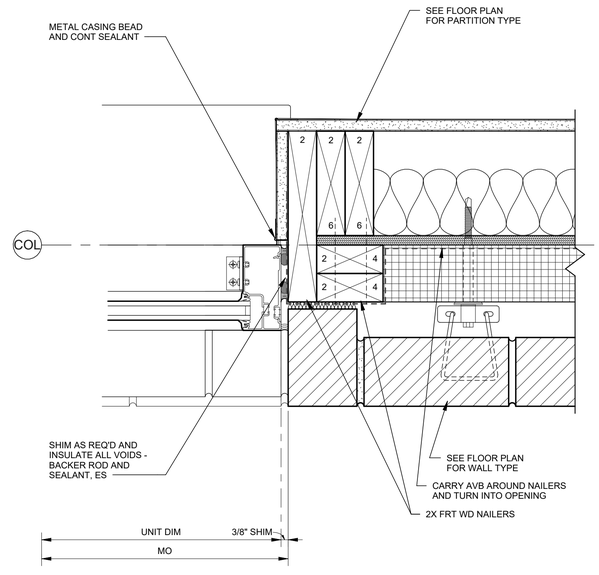
B2 HEAD DETAIL AT CANOPY

SCALE: 3" = 1'-0"



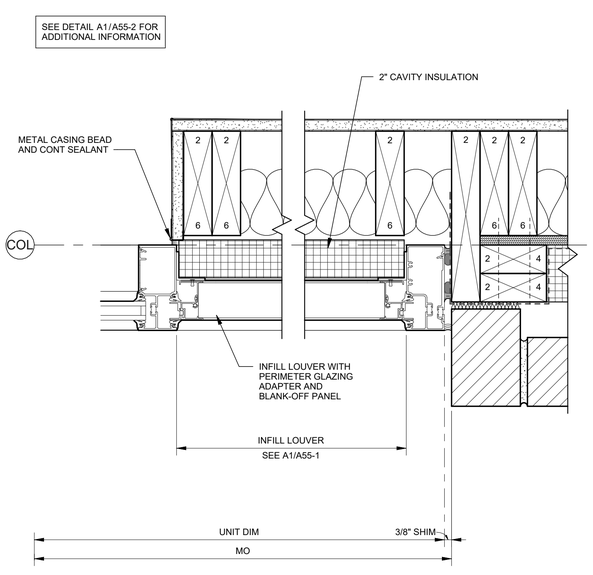
B3 HEAD DETAIL AT BRAKE METAL

SCALE: 3" = 1'-0"



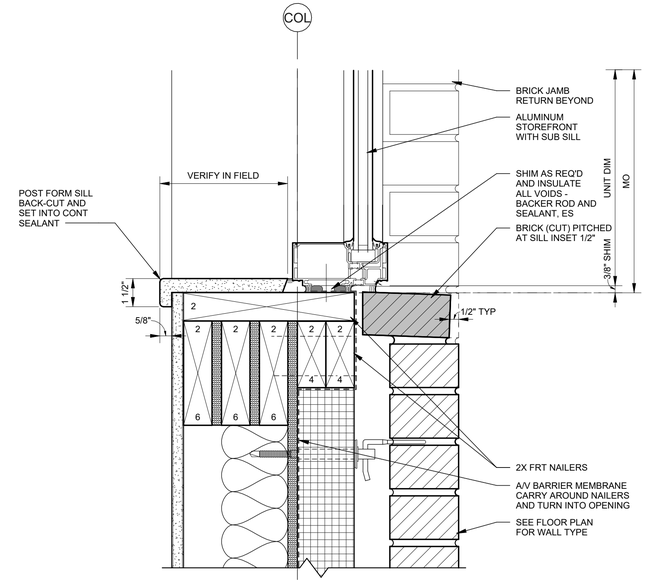
A1 JAMB DETAIL AT BRICK

SCALE: 3" = 1'-0"



A2 JAMB DETAIL AT INFILL LOUVER

SCALE: 3" = 1'-0"



A3 SILL DETAIL AT BRICK

SCALE: 3" = 1'-0"

Scale:

3" = 1'-0"

No.	Revision	By	Date

Designed by:

MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT MARK D LEE #3649 STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

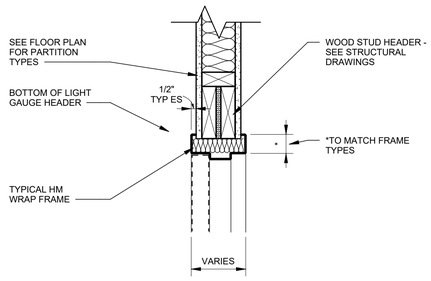
THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING

STOREFRONT DETAILS

SHEET NUMBER: A55-2



C2 TYP HEAD DETAIL
SCALE: 1 1/2" = 1'-0"

DOOR AND FRAME SCHEDULE

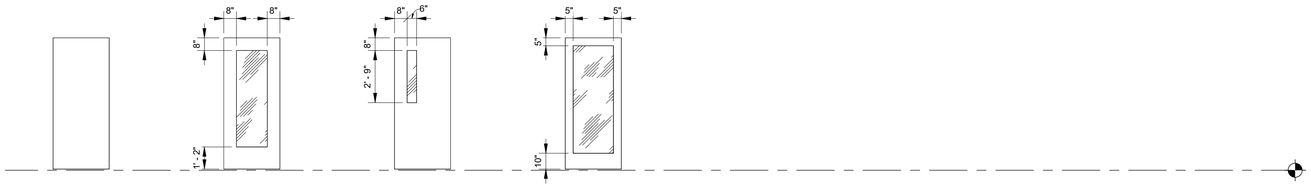
DOOR MARK	DOOR							FRAME					FIRE RATING	REMARKS
	OPENING SIZE		THK	LEAVES	TYPE	MAT	GLASS	TYPE	MAT	DETAILS				
	WIDTH	HEIGHT								HEAD	JAMB	SILL		
T.O.CONC.														
A101A	3' - 0"	7' - 0"	1 3/4"	(1)	SF	AL	LAM-INS	SEE A55-1	AL	SEE A55-1	SEE A55-1	SEE A55-1	-	
A101B	3' - 0"	7' - 0"	1 3/4"	(1)	FG	WD	TMP	2	HM	C2	B2	-	-	28" SIDELITE
A103	3' - 0"	7' - 0"	1 3/4"	(1)	N	WD	TMP	1	HM	C2	B2	-	-	
A104	3' - 0"	7' - 0"	1 3/4"	(1)	FG	WD	TMP	1	HM	C2	B2	-	-	
A105	3' - 0"	7' - 0"	1 3/4"	(1)	F	HM	-	1	HM	C2	B2	-	-	
A106	3' - 0"	7' - 0"	1 3/4"	(1)	N	WD	TMP	1	HM	C2	B2	-	-	
A107	3' - 0"	7' - 0"	1 3/4"	(1)	N	WD	TMP	1	HM	C2	B2	-	-	
A108	3' - 0"	7' - 0"	1 3/4"	(1)	N	WD	TMP	1	HM	C2	B2	-	-	
A109	3' - 0"	7' - 0"	1 3/4"	(1)	N	WD	TMP	1	HM	C2	B2	-	-	
A110	3' - 0"	7' - 0"	1 3/4"	(1)	F	WD	-	1	HM	C2	B2	-	-	
A110A	2' - 10"	7' - 0"	1 3/4"	(1)	F	HM	-	1	HM	C2	B2	-	-	
A110B	2' - 10"	7' - 0"	1 3/4"	(1)	F	HM	-	1	HM	C2	B2	-	-	
A110C	2' - 10"	7' - 0"	1 3/4"	(1)	F	HM	-	1	HM	C2	B2	-	-	
A110D	2' - 10"	7' - 0"	1 3/4"	(1)	F	HM	-	1	HM	C2	B2	-	-	
A110E	3' - 0"	7' - 0"	1 3/4"	(1)	F	HM	-	1	HM	C2	B2	-	-	
A110F	3' - 0"	7' - 0"	1 3/4"	(1)	F	HM	-	1	HM	C2	B2	-	-	
A110G	3' - 0"	7' - 0"	1 3/4"	(1)	F	HM	-	1	HM	C2	B2	-	-	
A111	3' - 0"	7' - 0"	1 3/4"	(1)	F	HM	-	1	HM	C2	B2	-	-	
A113	3' - 0"	7' - 0"	1 3/4"	(1)	F	HM	-	1	HM	C2	B2	-	-	
A114	3' - 0"	7' - 0"	1 3/4"	(1)	F	HM	-	1	HM	C2	B2	-	-	
A115A	3' - 0"	7' - 0"	1 3/4"	(1)	SF	AL	TMP-INS	S09	AL	SEE A55-1	B2	A1	-	
A115B	3' - 0"	7' - 0"	1 3/4"	(1)	FG	HM	TMP	1	HM	C2	B2	-	-	
ATTIC														
A201	2' - 8"	6' - 0"	1 3/4"	(1)	F	HM	-	1	HM	C2	B2	-	45 MIN	

GENERAL NOTES

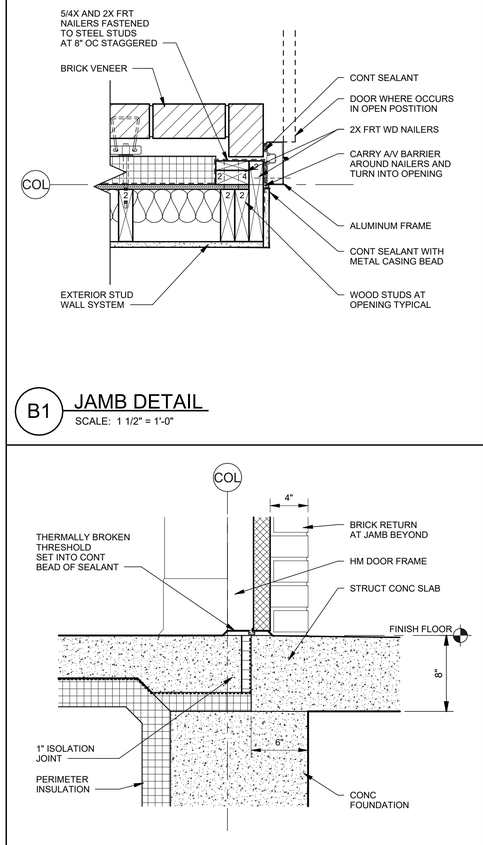
1. SEE A55-1 FOR STOREFRONT TYPES.
2. DOORS AND BORROWED LITES SCHEDULED TO HAVE SHADES SHALL HAVE SHADES ON ALL GLASS UNITS UNLESS NOTED OTHERWISE (U.N.O.).
3. FOR STOREFRONT AND HM DOOR UNITS INDICATED TO HAVE ELECTRONIC / ELECTRIC DEVICES (DOOR CONTACTS, ELECTRIC STRIKES, ETC.) PREP FRAME/ SYSTEMS TO RECEIVE PATHWAYS TO ELIMINATE EXPOSED WIREWAYS AND IN FIELD FABRICATION AND DRILLING.
4. ALL DOOR FRAMES TO BE PAINTED PXX UNLESS NOTED OTHERWISE.

GLAZING TYPES:

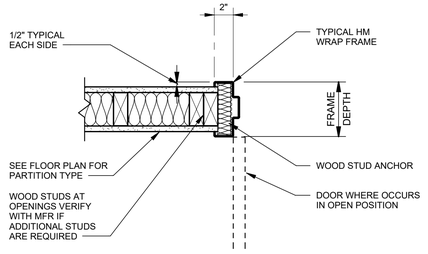
TMP	TEMPERED
TMP-INS	INSULATED TEMPERED GLAZING
LAM	LAMINATED
FIRE LAM	LAMINATED FIRE RATED GLAZING
FIRE LAM-INS	INSULATED FIRE RATED GLAZING
LAM-INS	INSULATED LAMINATED GLAZING
LAM-BG	BUTT GLAZED LAMINATED
LAM-OG	LAMINATED ONE WAY OBSERVATION GLAZING
LAM-BR	LAMINATED BULLET RESISTANT GLAZING
LAM-BR-INS	INSULATED LAMINATED BULLET RESISTANT GLAZING
PG	POLYCARBONATE GLAZING
S	INSULATED SPANDREL GLASS



B3 DOOR TYPES
SCALE: 1/4" = 1'-0"



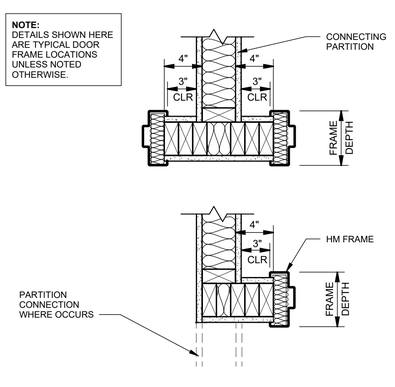
B1 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



B2 TYP JAMB DETAIL
SCALE: 1 1/2" = 1'-0"

A1 SILL DETAIL
SCALE: 1 1/2" = 1'-0"

NOTE:
DETAILS SHOWN HERE ARE TYPICAL DOOR FRAME LOCATIONS UNLESS NOTED OTHERWISE.



A2 TYP HM FRAME LOCATION
SCALE: 1 1/2" = 1'-0"



GENERAL NOTES

1. FRAMES SHALL BE HOLLOW METAL UNLESS NOTED OTHERWISE
2. FRAME HEADS SHALL BE 2" UNLESS NOTED OTHERWISE
3. JAMBS AND MULLIONS SHALL BE 2" UNLESS NOTED OTHERWISE
4. BASES OF SIDELITES SHALL BE 6" UNLESS NOTED OTHERWISE
5. GLAZING WITHIN FRAMES INCLUDING TRANSOMS SHALL BE TEMPERED UNLESS NOTED OTHERWISE

A3 DOOR FRAME TYPES
SCALE: 1/4" = 1'-0"

Scale: As indicated

No.	Revision	By	Date

Designed by:
MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT · MARK D LEE #3640 · STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

PROJ.NO: 25116

Harriman

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DOOR SCHEDULE AND DETAILS

SHEET NUMBER: A60-1

ROOM FINISH SCHEDULE

ROOM		FLOOR	BASE	WAIN SCOT	WALLS				REMARKS
No.	NAME			CODE	N	E	S	W	
T.O.CONC.									
A101	VESTIBULE	WOM1	RWB1	-	P1	P1	P1	P1	
A102	CORRIDOR	SC	RWB1	-	P1	P1	P1	P1	
A103	CREW LEADER	SC	RWB1	-	P1	P1	P1	P1	
A104	CONFERENCE	SC	RWB1	-	P3	P3	P3	P3	
A105	COMM	SC	RWB1	-	P1	P1	P1	P1	
A106	ASSISTANT CREW LEADER	SC	RWB1	-	P1	P1	P1	P1	
A107	CREW OFFICE	SC	RWB1	-	P1	P1	P1	P1	
A108	FLEX OFFICE	SC	RWB1	-	P1	P1	P1	P1	
A109	FLEX OFFICE	SC	RWB1	-	P1	P1	P1	P1	
A110	RESTROOM	SC	PT2	PT2	PT2/P3	PT2/P3	PT2/P3	PT2/P3	REFER TO INTERIOR ELEVATIONS FOR PAINT AND WAINSCOT DESIGNATIONS. WAINSCOT FULL HEIGHT AT WET WALLS, WAINSCOT AT 5'-0" ON WALLS ADJACENT TO WET WALLS
A111	LOCKER	SC	RWB1	-	P1	P1	P1	P1	
A112	CREW ROOM	SC	RWB1	-	P1	P1	P1	P1	REFER TO ELEVATIONS D1 AND D3 FOR WALL FINISH MATERIALS, PATTERNS AND LOCATIONS
A113	STORAGE	SC	RWB1	-	P1	P1	P1	P1	
A114	BUILDING SERVICES	SC	RWB1	-	P1	P1	P1	P1	
A115	UTILITY VESTIBULE	SC/WOM1	RWB1	-	P1	P1	P1	P1	REFER TO MATERIALS PLAN FOR EXTENT OF FLOOR FINISHES
ATTIC									
A201	ATTIC	-	-	-	P1	P1	P1	P1	

MATERIALS LEGEND

MATERIAL	CODE No.	MANUFACTURER / SERIES	COLOR / FINISH
THRESHOLD		TO BE SELECTED	
SEALED CONCRETE	SC		POLISHED
CERAMIC WALL TILE	CT1	TBD	
CERAMIC WALL TILE	CT2	TBD	
PORCELAIN FLOOR TILE 12" x 12"	PT1	DALTILE/ VOLUME 1.0	VL73 STEREO GREY / MATTE
PORCELAIN WALL TILE 12" X 24"	PT2	DALTILE/ VOLUME 1.0	VL64 TRUFFLE / MATTE
RESILIENT WALL BASE - 6"	RWB1	MANNINGTON COMMERCIAL / BURKEBASE /TYPE TP	JACKALOPE 190
WALK OF MAT TILE 18" X 36"	WOM1	MANNINGTON COMMERCIAL / FRIXTION / CHARGE	STATIC 34365
PAINT - FIELD COLOR	P1	SHERWIN WILLIAMS	OYSTER WHITE SW7637
PAINT - TRIM/DOORS	P2	SHERWIN WILLIAMS	INTELLECTUAL GRAY SW7017
PAINT - ACCENT	P3	SHERWIN WILLIAMS	RAIN SW6219

Scale:

No.	Revision	By	Date

Designed by:

MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT
MARK D. LEE #3640
STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

PROJ.NO: 25116

Harriman

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
ROOM FINISH SCHEDULE

SHEET NUMBER: A61-1

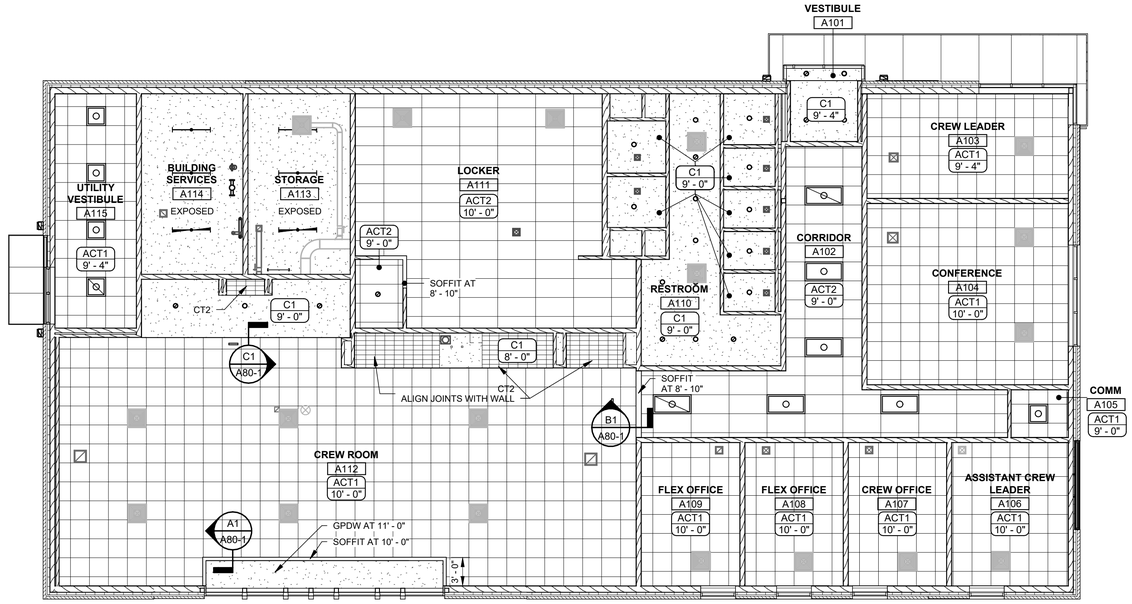
GENERAL NOTES

1. ANY PAINTING OF EXPOSED CEILING AND STRUCTURE SHALL BE PERFORMED AFTER THE INSTALLATION OF MECHANICAL, ELECTRICAL, AND PLUMBING ITEMS.
2. CEILING HEIGHT DIMENSIONS OR GPDW SOFFIT HEIGHT DIMENSIONS GIVEN AS "AFF" IS RELATIVE TO THAT SPACE.
3. UNLESS OTHERWISE NOTED, SEE A80 SERIES FOR TYPICAL SOFFIT AND CEILING DETAILS.
4. REFER TO A81 SERIES FOR SOFFIT PAINT COLORS. PAINT SOFFITS ALL SIDES P1 U.N.O.
5. PAINT ALL EXPOSED CEILINGS P1.

SYMBOLS LEGEND

XX / HEIGHT — CEILING/SOFFIT IDENTIFICATION
- XX: CEILING/SOFFIT ASSEMBLY (SEE A80 SERIES)
- HEIGHT: HEIGHT FROM FINISHED FLOOR

- MECHANICAL SUPPLY DIFFUSER
- MECHANICAL RETURN TRANSFER
- MECHANICAL RETURN DIFFUSER
- LIGHT FIXTURE
- LIGHT FIXTURE
- LIGHT FIXTURE
- LIGHT FIXTURE
- AP — 12" x 12" ACCESS PANEL (COORD WITH PLUMBING)



A1 CEILING PLAN
SCALE: 1/8" = 1'-0"

PLAN NORTH TRUE NORTH

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by:

MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT — MARK D. LEE #3640 — STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

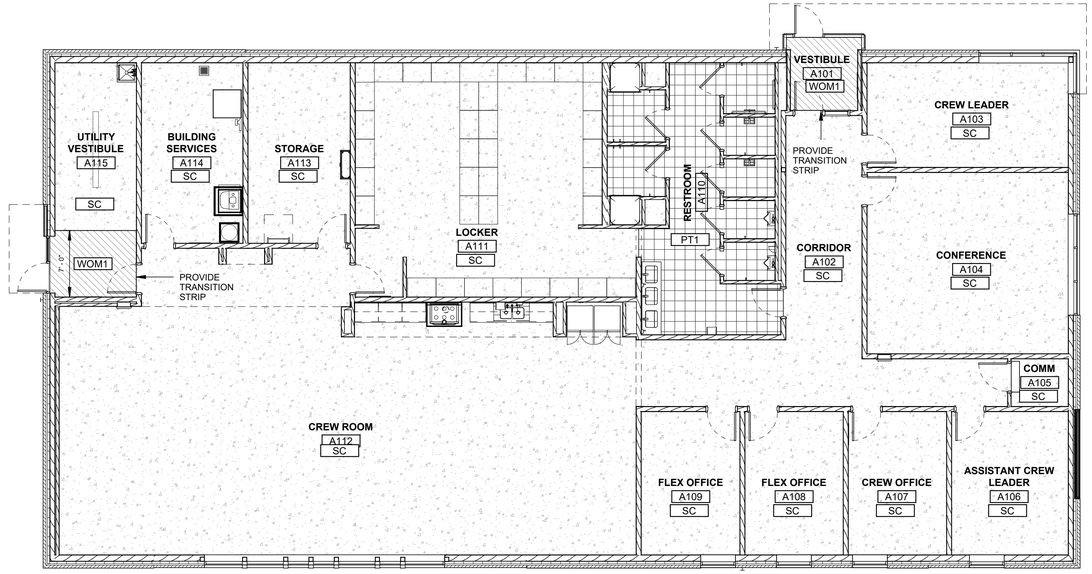
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
CEILING PLAN

SHEET NUMBER: A70-1

GENERAL NOTES

1. REFER TO A61 SERIES FOR ROOM FINISH SCHEDULE AND MATERIAL LEGEND.
2. REFER TO A80 SERIES FOR FLOOR TRANSITION DETAILS.
3. TRANSITION STRIPS BETWEEN DISSIMILAR FLOOR MATERIALS TO OCCUR AT CENTERLINE OF DOORS IN CLOSED POSITION UNLESS NOTED OTHERWISE.
4. FLOORING TO BE CONTINUOUS UNDER COUNTERS AT OPEN AREAS.
5. ALL EXPOSED CONCRETE FLOORS TO BE SEALED UNLESS OTHERWISE NOTED.
6. REFER TO A81 SERIES INTERIOR ELEVATIONS FOR ACCENT PAINT LOCATIONS AND MATERIAL DESIGNATIONS.
7. COORDINATE LOCATIONS OF FLOORING CONTROL JOINTS WITH ARCHITECT. CONTROL JOINTS NOT TO EXCEED MANUFACTURERS RECOMMENDED SPACING.



MATERIAL LEGEND

- SEALED CONCRETE
- WALK OFF MAT
- PORCELAIN TILE

A1 MATERIALS FLOOR PLAN
SCALE: 1/8" = 1'-0"

PLAN NORTH TRUE NORTH

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by:

MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT MARK D. LEE #3640 STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

Harriman

PROJ.NO: 25116

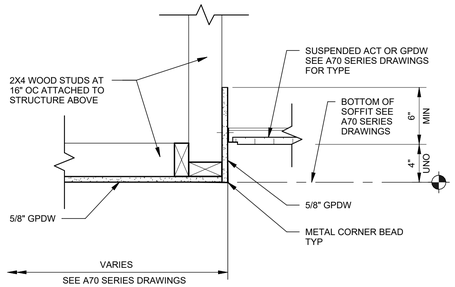
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

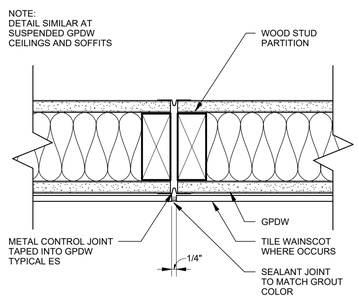
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
MATERIALS FLOOR PLAN

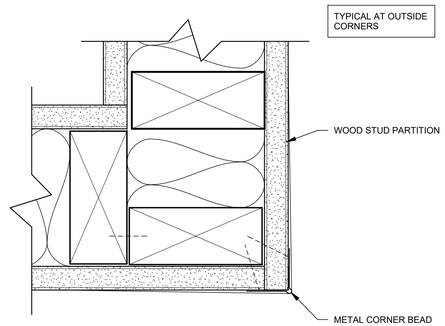
SHEET NUMBER: A71-1



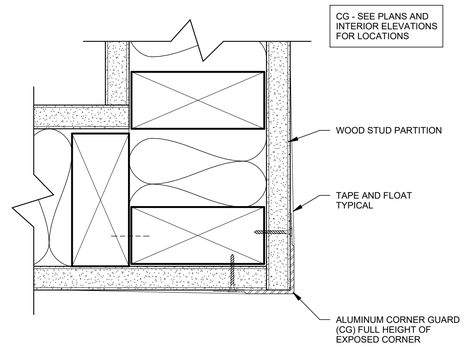
C1 SOFFIT DETAIL TYPE 1
SCALE: 1 1/2" = 1'-0"



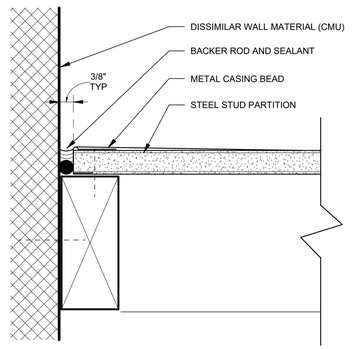
C2 TYP STUD CONTROL JOINT
SCALE: 3" = 1'-0"



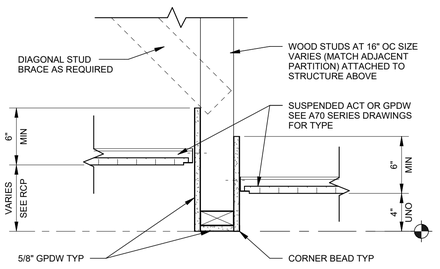
C3 TYPICAL CORNER BEAD DETAIL
SCALE: 6" = 1'-0"



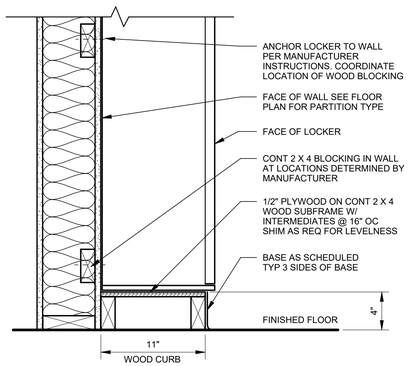
C4 TYPICAL CORNER GUARD DETAIL
SCALE: 6" = 1'-0"



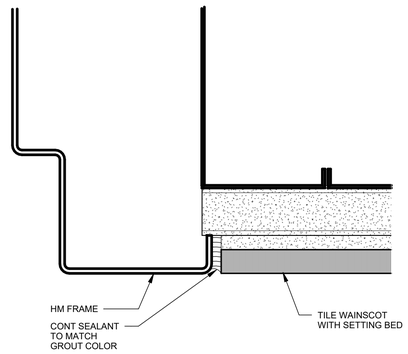
C5 TYPICAL CASING BEAD DETAIL
SCALE: 6" = 1'-0"



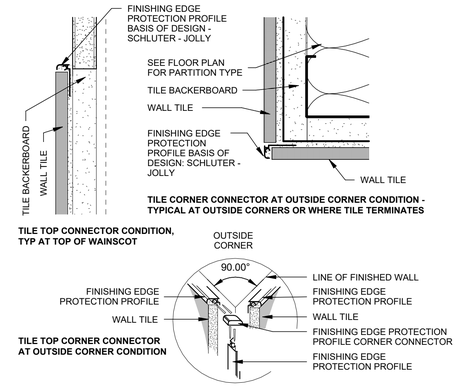
B1 SOFFIT DETAIL TYPE 2
SCALE: 1 1/2" = 1'-0"



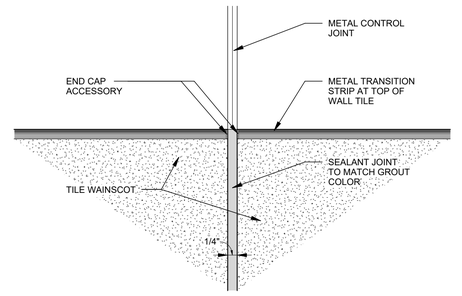
B2 BASE DETAIL AT LOCKERS
SCALE: 1 1/2" = 1'-0"



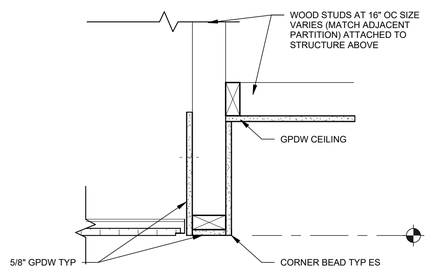
B3 TILE WAINSCOT DETAIL AT FRAME
SCALE: 12" = 1'-0"



B4 WAINSCOT OUTSIDE CORNER DETAIL
SCALE: 6" = 1'-0"

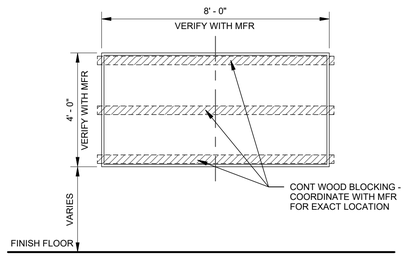


B5 TYP CJ ELEVATION AT WAINSCOT
SCALE: 6" = 1'-0"

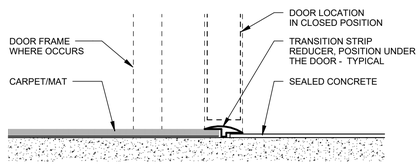


A1 SOFFIT DETAIL TYPE 3
SCALE: 1 1/2" = 1'-0"

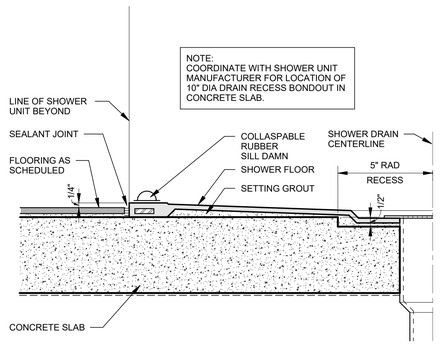
NOTES:
1. REFER TO FLOOR PLAN FOR PROPOSED MOUNTING LOCATION(S).
2. MARKERBOARD OR TACKBOARD MOUNTED WITH Z-BAR ANCHORS PROVIDED BY OWNER



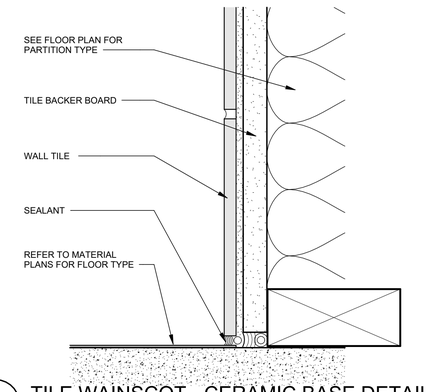
A2 BOARD MOUNTING HEIGHTS (MB / TB)
SCALE: 3/8" = 1'-0"



A3 TYPICAL FLOOR TRANSITION
SCALE: 3" = 1'-0"



A4 TYPICAL SHOWER TRANSITION DETAIL
SCALE: 3" = 1'-0"



A5 TILE WAINSCOT - CERAMIC BASE DETAIL
SCALE: 6" = 1'-0"

Scale: As indicated

No.	Revision	By	Date

Designed by: MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT MARK D. LEE #3640 STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

PROJ.NO: 25116

Harriman

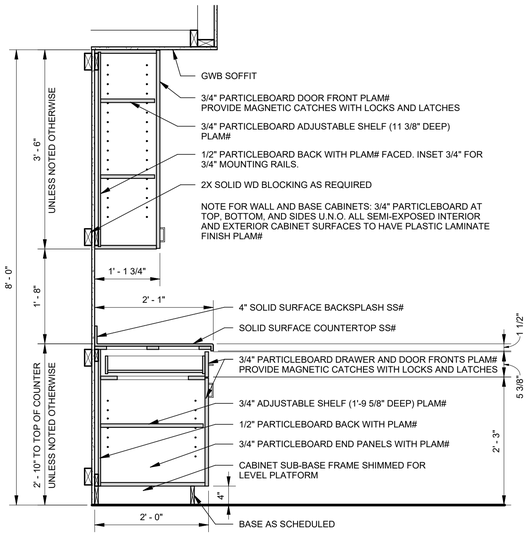
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

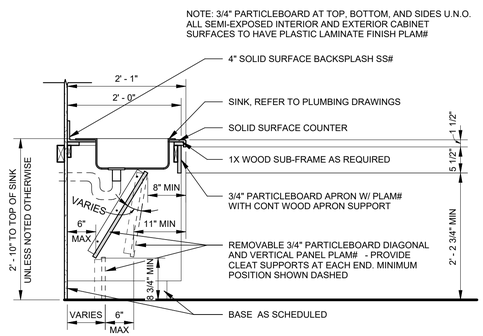
CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
STANDARD INTERIOR DETAILS

SHEET NUMBER: A80-1



B1 WALL AND BASE CABINET DETAIL - SS

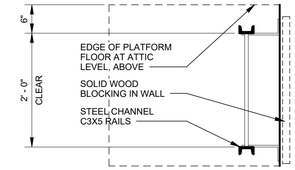
SCALE: 3/4" = 1'-0"



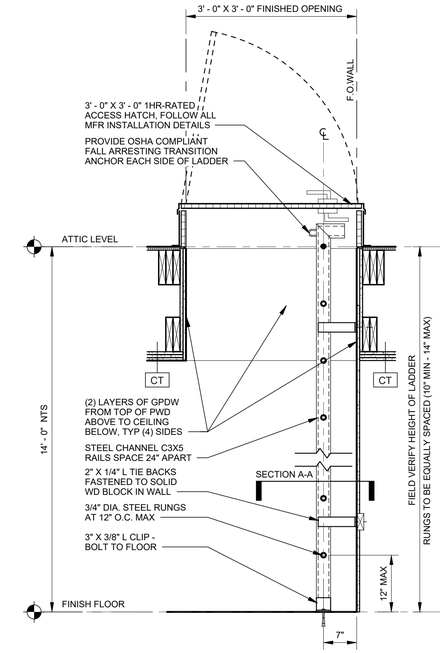
A1 24" DEEP HANDICAP SINK BASE (ADA)- SS

SCALE: 3/4" = 1'-0"

NOTES:
1. WELD AND GRIND SMOOTH ALL JOINTS - ALL COMPONENTS TO BE PAINTED P1.
2. SEE STRUCTURAL DRAWINGS FOR FRAMING AT OPENING.



SECTION A-A



A5 ACCESS LADDER DETAIL

SCALE: 3/4" = 1'-0"

Scale: 3/4" = 1'-0"

No.	Revision	By	Date

Designed by: MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT MARK D. LEE #3640 STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

PROJ.NO: 25116

Harriman

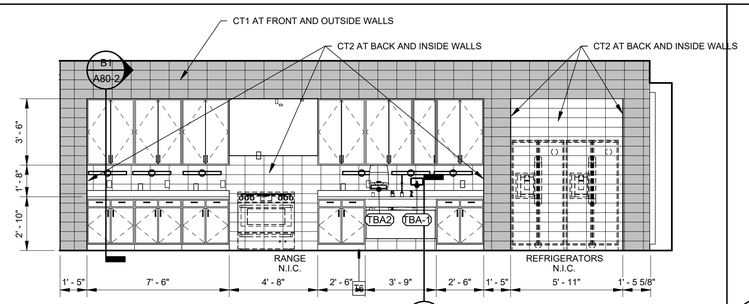
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

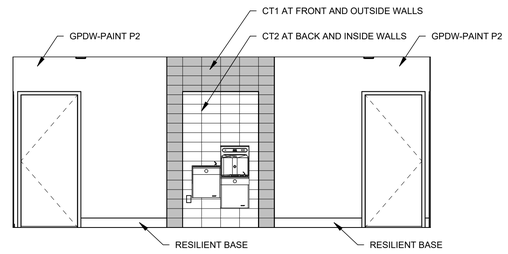
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
STANDARD INTERIOR DETAILS

SHEET NUMBER: A80-2



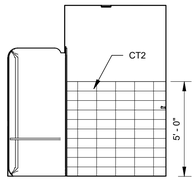
D1 KITCHENETTE ELEVATION
SCALE: 1/4" = 1'-0"



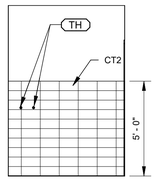
D3 CORRIDOR ELEVATION
SCALE: 1/4" = 1'-0"

GENERAL NOTES

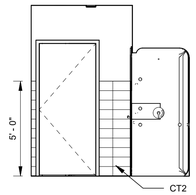
1. PAPER TOWEL DISPENSER AND SOAP DISPENSER PROVIDED BY OWNER, INSTALLED BY G.C.
2. PROVIDE BLOCKING IN WALL AS NEEDED FOR ALL TOILET AND BATH ACCESORIES



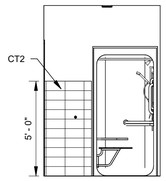
C1 SHOWER WEST
SCALE: 1/4" = 1'-0"



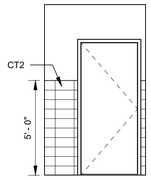
C2 SHOWER NORTH
SCALE: 1/4" = 1'-0"



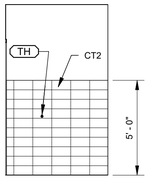
C3 SHOWER EAST
SCALE: 1/4" = 1'-0"



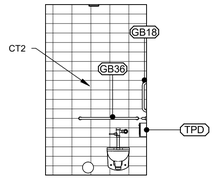
C4 SHOWER SOUTH
SCALE: 1/4" = 1'-0"



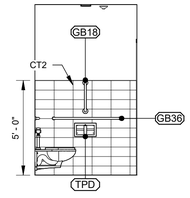
B1 TOILET WEST
SCALE: 1/4" = 1'-0"



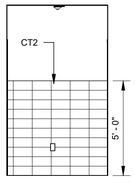
B2 TOILET NORTH
SCALE: 1/4" = 1'-0"



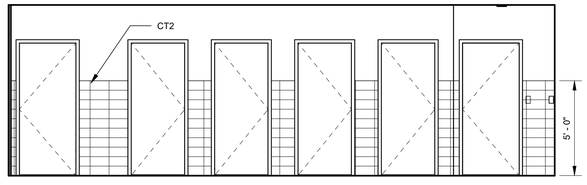
B3 TOILET EAST
SCALE: 1/4" = 1'-0"



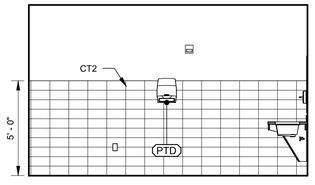
B4 TOILET SOUTH
SCALE: 1/4" = 1'-0"



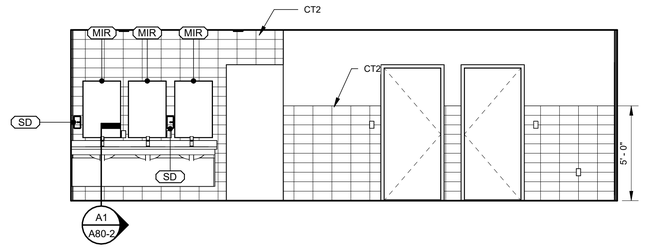
A1 A110 - NORTH ELEVATION
SCALE: 1/4" = 1'-0"



A2 A110 - EAST ELEVATION
SCALE: 1/4" = 1'-0"



A4 A110 - SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



A5 A110 - WEST ELEVATION
SCALE: 1/4" = 1'-0"

Scale:
As indicated

No.	Revision	By	Date

Designed by:
MARK LEE, AIA
ISSUED FOR BID

LICENSED ARCHITECT ★ MARK D. LEE #3640 ★ STATE OF MAINE

	By	Date		By	Date
Designed:	MDL	10-14-2025	Checked:	MDL	10-14-2025
Drawn:	JAE	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
INTERIOR ELEVATIONS AND DETAILS

SHEET NUMBER: A81-1

FIRE PROTECTION NOTES

1. SPRINKLERS & PIPING SHALL BE PROVIDED WITHIN THE BUILDING IN ACCORDANCE WITH NFPA 13.
2. PROVIDE SPRINKLER PROTECTION BELOW DUCTS OR OTHER OBSTRUCTIONS 48" WIDE OR WIDER PER NFPA 13, OR AT ANY OTHER LOCATION WHERE SPRINKLER DISCHARGE IS OBSTRUCTED.
3. THE FIRE SPRINKLER CONTRACTOR SHALL THOROUGHLY REVIEW ALL CONTRACT DRAWINGS AND SPECIFICATIONS THAT IMPACT THE FIRE SPRINKLER SYSTEMS PRIOR TO BID. ANY QUESTIONS THAT AFFECT THE DESIGN AND INSTALLATION OF THE FIRE SPRINKLER SYSTEM SHALL BE RESOLVED BEFORE CONTRACT IS AWARDED.
4. SPRINKLER CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS AS REQUIRED BY THE SPECIFICATIONS.
6. UNLESS SPECIFICALLY NOTED ON DRAWINGS PIPING SHALL ONLY BE ATTACHED TO TOP OF STEEL BAR JOISTS AT PANEL POINTS, TOP OR BOTTOM FLANGES OF STEEL BEAMS AND SIDE OF WODEN BEAMS. PIPING SHALL NOT BE ATTACHED TO STEEL DECK UNDER ANY CIRCUMSTANCES
5. UNLESS SPECIFICALLY NOTED ALL SPRINKLERS SHALL BE MOUNTED IN THE CENTER OF ACT CEILING TILES
6. REFER TO PLUMBING DRAWINGS P30-1 THROUGH P30-3 FOR MEP COORDINATION SECTIONS INDICATING PROPOSED ABOVE CEILING LAYOUTS. COORDINATE ABOVE CEILINGS WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF SYSTEMS.

LEGEND

——— F	SPRINKLER PIPING ABOVE FINISHED FLOOR	CAP
●	CONCEALED PENDANT WET SPRINKLER	DN DOWN
◉	SEMI RECESSED WET SPRINKLER	AFF ABOVE FINISHED FLOOR
◉	SEMI RECESSED DRY SPRINKLER	BFF BELOW FINISHED FLOOR
	UPRIGHT SPRINKLER	TYP. TYPICAL
▷	SIDEWALL WET SPRINKLER	
▶	SIDEWALL DRY SPRINKLER	

DESIGN NOTE:
1.) CONTRACTOR SHALL PROVIDE SPRINKLER LAYOUT TO PROVIDE FIRE PROTECTION FOR FLOOR PLAN LAYOUT. COORDINATE SPRINKLER HEAD TYPES REQUIRED WITH NEW CEILING CONSTRUCTION. COORDINATE LOCATON OF SPRINKLER HEADS WITH ALL OTHER TRADES. PROVIDE SPRINKLER HEADS WITHIN ALL COMBUSTABLE CEILING CAVITIES. SPRINKLER SYSTEM SHALL COMPLY WITH NFPA-13

2.) FLAT BLACK CONCEALED PLATE SPRINKLERS SHALL BE UTILIZED IN PROPOSED WOOD CEILINGS

3.) REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS & DETAILS OF SKYLIGHTS THROUGHT THE BUILDING

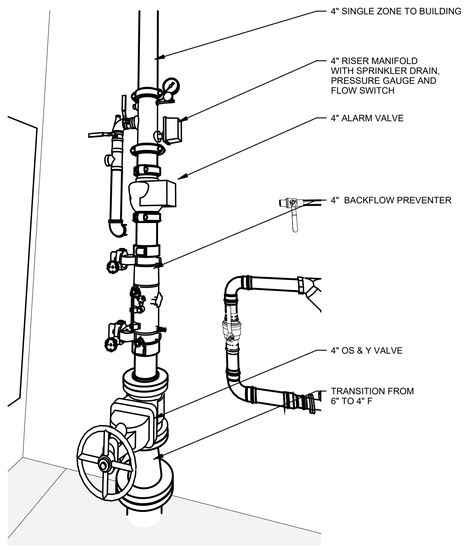
PIPING ACCESSORY SCHEDULE

BASIS OF DESIGN PIPE ACCESSORIES SPECIFICATIONS REFER TO THE SPECIFICATIONS FOR APPROVED EQUALS AND DETAILED DESCRIPTIONS

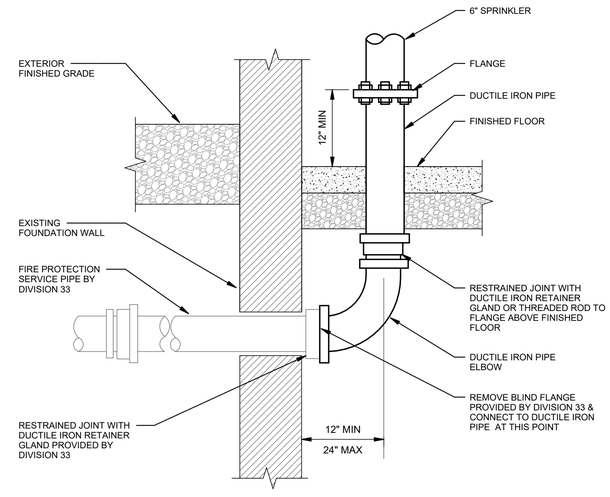
TAG	DESCRIPTION	MANUFACTURER	MODEL	PIPE CONNECTION SIZE	LOCATION

FIRE PROTECTION PIPING MATERIAL SCHEDULE

PIPE SIZE	MATERIAL
1"	SCHEDULE 40 STEEL THREADED PIPE WITH MALLEABLE FITTINGS
1 1/4" - 2"	SCHEDULE 40 STEEL WITH GROOVED COUPLINGS AND "VICTAULIC" MECHANICAL FITTINGS
2 1/2" & LARGER	SCHEDULE 10 STEEL WITH GROOVED COUPLINGS AND "VICTAULIC" MECHANICAL FITTINGS



A4 SPRINKLER ENTRANCE DETAIL
NO SCALE



A5 FIRE PROTECTION SUPPLY THROUGH FOUNDATION WALL
NO SCALE

Scale: As indicated

No.	Revision	By	Date

Designed by:

DAVID W. STORY, P.E.
ISSUED FOR BID

STATE OF MAINE DAVID W. STORY No. 12653 LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	DWS	10-14-2025	Checked:	DWS	10-14-2025
Drawn:	MAM	10-14-2025			

PROJ.NO: 25116

Harriman

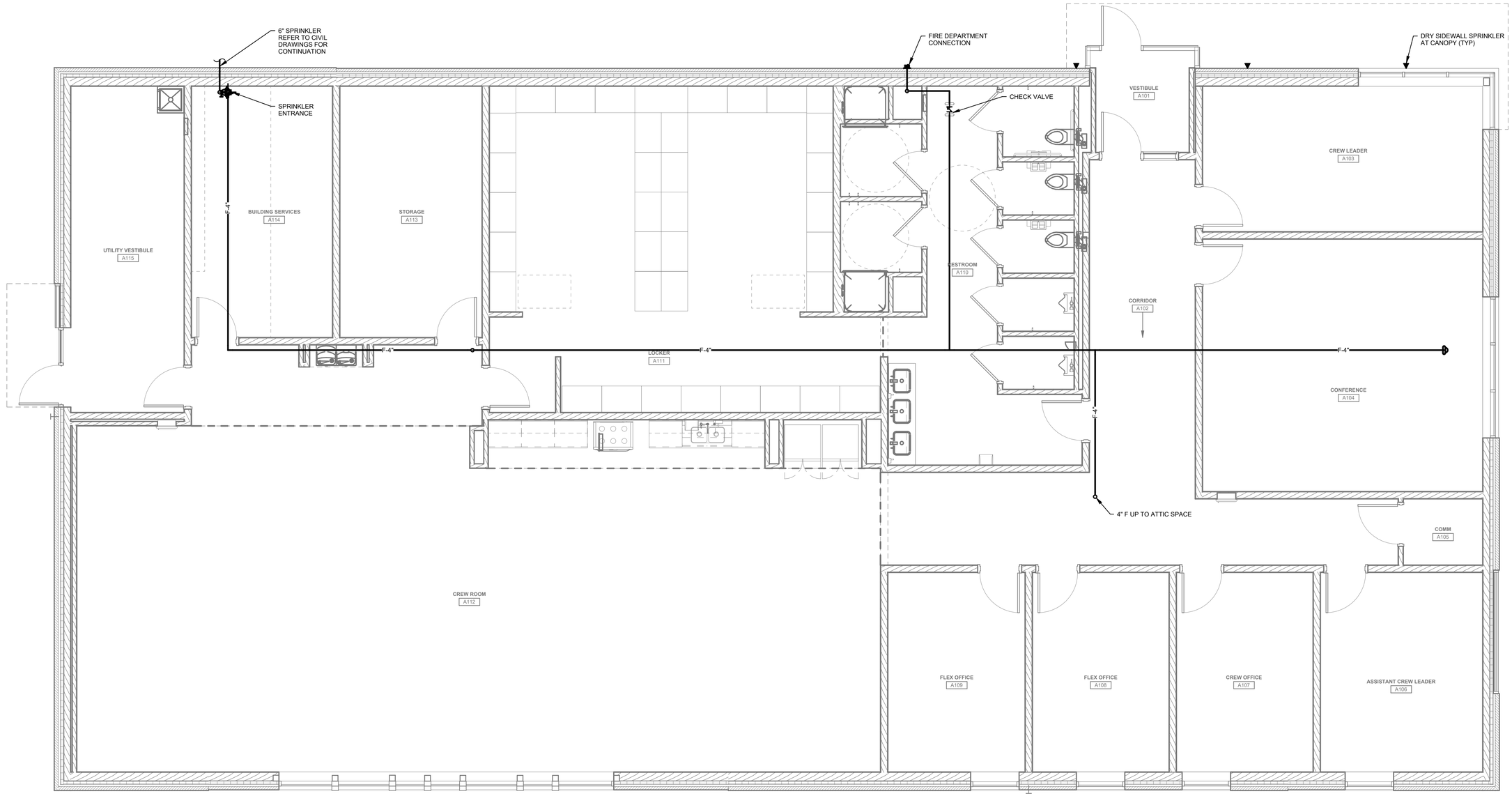
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
LEGEND, SCHEDULES & DETAIL

SHEET NUMBER: F00-1



A1 FIRST FLOOR FIRE PROTECTION

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

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

No.	Revision	By	Date

Designed by:

DAVID W. STORY, P.E.
ISSUED FOR BID

STATE OF MAINE · DAVID W. STORY · NO. 12653 · LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	DWS	10-14-2025	Checked:	DWS	10-14-2025
Drawn:	MAM	10-14-2025			

Harriman

PROJ.NO: 25116

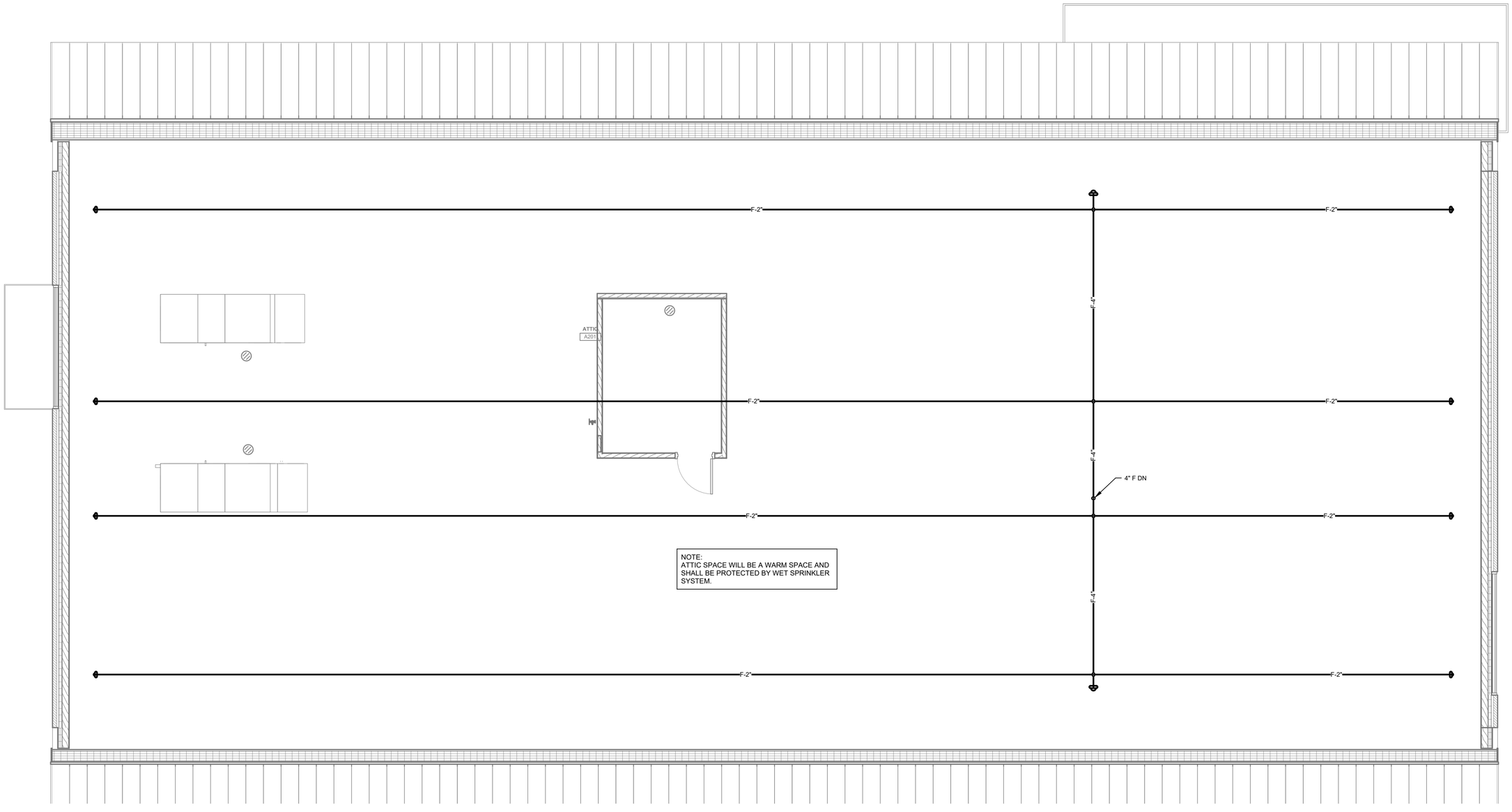
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
FIRST FLOOR FIRE PROTECTION

SHEET NUMBER: F10-1



A1 ATTIC FLOOR FIRE PROTECTION

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

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

No.	Revision	By	Date

Designed by:

DAVID W. STORY, P.E.
ISSUED FOR BID

STATE OF MAINE · DAVID W. STORY · No. 12853 · LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	DWS	10-14-2025	Checked:	DWS	10-14-2025
Drawn:	MAM	10-14-2025			

PROJ.NO: 25116

Harriman

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
SECOND FLOOR FIRE PROTECTION

SHEET NUMBER: F10-2

EXISTING PIPE LEGEND

XGW	EXISTING GREASE WASTE PIPING BELOW FINISHED FLOOR
XGWV	EXISTING GREASE WASTE VENT PIPING BELOW FINISHED FLOOR
XS	EXISTING SANITARY PIPING BELOW FINISHED FLOOR
XSD	EXISTING STORM DRAIN PIPING BELOW FINISHED FLOOR
XSG	EXISTING SOIL GAS PIPING BELOW FINISHED FLOOR
XV	EXISTING VENT PIPING BELOW FINISHED FLOOR
XCA	EXISTING COMPRESSED AIR PIPING ABOVE FINISHED FLOOR
XCD	EXISTING CONDENSATE PIPING ABOVE FINISHED FLOOR
XCD	EXISTING HEAT TRACED CONDENSATE PIPING ABOVE FINISHED FLOOR
XCW	EXISTING COLD WATER PIPING ABOVE FINISHED FLOOR
XG	EXISTING GAS PIPING ABOVE FINISHED FLOOR
XGV	EXISTING GAS VENT PIPING ABOVE FINISHED FLOOR
XGW	EXISTING GREASE WASTE PIPING ABOVE FINISHED FLOOR
X85°TW	EXISTING 85°F TEMPID WATER PIPING ABOVE FINISHED FLOOR
X120°HW	EXISTING 120°F HOT WATER PIPING ABOVE FINISHED FLOOR
X140°HW	EXISTING 140°F HOT WATER PIPING ABOVE FINISHED FLOOR
X120°HWR	EXISTING 120°F WATER RETURN PIPING ABOVE FINISHED FLOOR
X140°HWR	EXISTING 140°F WATER RETURN PIPING ABOVE FINISHED FLOOR
XOD	EXISTING OVERFLOW STORM DRAIN PIPING ABOVE FINISHED FLOOR
XS	EXISTING SANITARY PIPING ABOVE FINISHED FLOOR
XSD	EXISTING STORM DRAIN PIPING ABOVE FINISHED FLOOR
XSG	EXISTING SOIL GAS PIPING ABOVE FINISHED FLOOR
XTP	EXISTING TRAP PRIMER PIPING
XV	EXISTING VENT PIPING ABOVE FINISHED FLOOR

PIPE LEGEND

GW	PROPOSED GREASE WASTE PIPING BELOW FINISHED FLOOR
GWV	PROPOSED GREASE WASTE VENT PIPING BELOW FINISHED FLOOR
S	PROPOSED SANITARY PIPING BELOW FINISHED FLOOR
SD	PROPOSED STORM DRAIN PIPING BELOW FINISHED FLOOR
SG	PROPOSED SOIL GAS PIPING BELOW FINISHED FLOOR
V	PROPOSED VENT PIPING BELOW FINISHED FLOOR
CA	PROPOSED COMPRESSED AIR PIPING ABOVE FINISHED FLOOR
CD	PROPOSED CONDENSATE PIPING ABOVE FINISHED FLOOR
CD	PROPOSED HEAT TRACED CONDENSATE PIPING ABOVE FINISHED FLOOR
CW	PROPOSED COLD WATER PIPING ABOVE FINISHED FLOOR
G	PROPOSED GAS PIPING ABOVE FINISHED FLOOR
GV	PROPOSED GAS VENT PIPING ABOVE FINISHED FLOOR
GW	PROPOSED GREASE WASTE PIPING ABOVE FINISHED FLOOR
85°TW	PROPOSED 85°F TEMPID WATER PIPING ABOVE FINISHED FLOOR
120°HW	PROPOSED 120°F HOT WATER PIPING ABOVE FINISHED FLOOR
140°HW	PROPOSED 140°F HOT WATER PIPING ABOVE FINISHED FLOOR
120°HWR	PROPOSED 120°F WATER RETURN PIPING ABOVE FINISHED FLOOR
140°HWR	PROPOSED 140°F WATER RETURN PIPING ABOVE FINISHED FLOOR
OD	PROPOSED OVERFLOW STORM DRAIN PIPING ABOVE FINISHED FLOOR
S	PROPOSED SANITARY PIPING ABOVE FINISHED FLOOR
SD	PROPOSED STORM DRAIN PIPING ABOVE FINISHED FLOOR
SG	PROPOSED SOIL GAS PIPING ABOVE FINISHED FLOOR
TP	PROPOSED TRAP PRIMER PIPING
V	PROPOSED VENT PIPING ABOVE FINISHED FLOOR
	CAP
	CLEANOUT
	PIPE DROP
	PIPE RISE
	PIPE TEE

PIPE ACCESSORY LEGEND

	BACKFLOW PREVENTER
	CIRCULATING PUMP
	CHECK VALVE
	FLOW ARROW
	GAS SOLENOID VALVE
P	PRESSURE GAUGE
	PRESSURE RELIEF VALVE
	SHUT-OFF VALVE
	SHUT-OFF VALVE WITH THREADED HOSE END
	THERMOMETER
	UNION
TFC	THERMOSTATIC FLOW CONTROL VALVE

FIXTURE CARRIER LEGEND

SINGLE HORIZONTAL ADJUSTABLE CARRIER
BACK TO BACK HORIZONTAL ADJUSTABLE CARRIER
SINGLE VERTICAL ADJUSTABLE CARRIER
BACK TO BACK VERTICAL ADJUSTABLE CARRIER
LAVATORY CARRIER
URINAL CARRIER

PLUMBING FIXTURE LEGEND

	FLOOR CLEANOUT
	FLOOR DRAIN
	FLOOR SINK
	FREEZE PROOF WALL HYDRANT
	HOT WATER HOSE BIBB
	ROOF DRAIN
	ROOF DRAIN WITH OVERFLOW
	SOIL GAS FAN
	SUMP PUMP
	ELECTRONIC TRAP PRIMER
	WATER METER
	WALL CLEANOUT

ABBREVIATIONS LEGEND

AP	ACCESS PANEL
BP-X	BOOSTER PUMP
CW	CLOTHES WASHER
CO	CLEANOUT
DCP-X	DOMESTIC CIRCULATING PUMP
DW	DISH WASHER
EEW-X	EMERGENCY EYEWASH
EEWS-X	EMERGENCY EYEWASH & SHOWER
ET-X	EXPANSION TANK
EWC-X	ELECTRIC WATER COOLER
FCO-X	FLOOR CLEANOUT
FD-X	FLOOR DRAIN
FH	FUME HOOD
FS-X	FLOOR SINK
HB-X	HOSE BIBB
HR-X	HOSE REEL
L-X	LAVATORY
LSK-X	LAB SINK
MB-X	MOP BASIN
RD-X	ROOF DRAIN
SA "X"	SHOCK ARRESTOR (P.D.I RATING)
SH-X	SHOWER
SI-X	SOLIDS INTERCEPTOR
SK-X	SINK
SOI-X	SAND & OIL INTERCEPTOR
SP-X	SUMP PUMP
TP-X	TRAP PRIMER
UR-X	URINAL
WC-X	WATER CLOSET
WCO	WALL CLEANOUT
WF-X	WASH FOUNTAIN
WH-X	WALL HYDRANT
AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
CW	COLD WATER
DN	DOWN
GWVTR	GREASE WASTE VENT THROUGH ROOF
HW	HOT WATER
HWR	HOT WATER RETURN
INV. EL	INVERT ELEVATION
N.C	NORMALLY CLOSED
N.O	NORMALLY OPEN
S	SANITARY
SGTR	SOIL GAS THRU ROOF
TYP.	TYPICAL
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE
	CONNECT NEW TO EXISTING

GENERAL NOTES

1 REFER TO INSTALLATION SCHEDULES FOR THE SIZE OF PIPING CONNECTIONS AND MOUNTING HEIGHTS OF EACH FIXTURE.

2 SANITARY WASTE PIPING 4" & LARGER SHALL BE INSTALLED WITH A PITCH OF 1/4" PER 1'-0".

3 STORM, INDIRECT WASTE & GREASE PIPING SHALL BE INSTALLED WITH A PITCH OF 1/8" PER 1'-0" EXCEPT WHERE NOTED.

4 PLUMBING CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF UTILITIES AT ALL POINTS OF CONNECTION INDICATED ON DRAWINGS BEFORE START OF PROJECT.

5 PROVIDE ISOLATION VALVES ON BRANCH PIPING TO FIXTURE GROUPS & REMOTE FIXTURES AND WHERE INDICATED ON PLANS, VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.

6 PIPING IN FINISHED AREAS SHALL BE ROUTED CONCEALED; EXPOSED PIPING, WHERE NECESSARY, SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO WALLS.

7 COORDINATE ALL WORK WITH OTHER TRADES AND CONTRACTORS. COORDINATE PIPING INSTALLATION WITH STRUCTURAL GRADE BEAMS, FOOTINGS, COLUMN PIERS, ETC. SLEEVE PIPING THROUGH GRADE BEAMS, FOOTING, ETC. WHERE REQUIRED AND AS NOTED ON PLANS. COORDINATE SLEEVE INSTALLATIONS WITH THE ARCHITECT, STRUCTURAL ENGINEER, STRUCTURAL CONTRACTOR AND GENERAL CONTRACTOR BEFORE CONCRETE IS INSTALLED. PIPING INVERTS AND SLOPE SHALL BE CLOSELY COORDINATED TO AVOID CONFLICTS WITH ALL OTHER TRADES BELOW SLAB WORK.

8 CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO TURNING BUILDING OVER TO THE OWNER.

9 COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT ROUTE PIPING OVER ELECTRICAL PANELS.

10 ALL PLUMBING FIXTURE SHUT-OFF AND/OR BALANCING VALVES INSTALLED IN PIPE CHASES SHALL BE ACCESSIBLE FROM JUST ABOVE THE CEILING LINE OR ACCESS DOORS PROVIDED LOW IN CHASE WALL.ALL PLUMBING FIXTURE SHUT-OFF AND/OR BALANCING VALVES INSTALLED IN PIPE CHASES SHALL BE ACCESSIBLE FROM JUST ABOVE THE CEILING LINE OR ACCESS DOORS PROVIDED LOW IN CHASE WALL.

11 ALL UNDERSLAB PIPING SHALL BE INSTALLED TO PROVIDE NO LESS THAN 2" OF COVER BETWEEN THE PIPING AND THE FLOOR SLAB.

12 OSHA RULES, REGULATIONS AND REQUIREMENTS, AND ANY STATE AND LOCAL REQUIREMENTS FOR SAFETY SHALL BE FOLLOWED BY THE CONTRACTOR

13 PROVIDE FIXTURE STOPS ON ANY WATER SUPPLY IMMEDIATELY ADJACENT TO PLUMBING FIXTURES.

14 THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL AND CONNECT COMPLETELY".

15 ENTIRE PLUMBING INSTALLATION SHALL BE IN COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL CODES AND STANDARDS.

16 INDIRECT WASTES SHALL HAVE AN AIR GAP OF AT LEAST TWICE THE DIAMETER OF THE PIPE BUT NOT LESS THAN 1"

17 THE CONTRACTOR SHALL OBTAIN REQUIRED PERMITS AND ARRANGE FOR INSPECTIONS IN ACCORDANCE WITH STATE & LOCAL ATHORITIES HAVING JURISDICTION

18 VOIDS BETWEEN PIPE SLEEVES AND PIPES SHALL BE FILLED WITH FIRE STOPPING WITH AN HOURLY RATING EQUAL TO THAT OF THE WALL

19 PLUMBING CONTRACTOR SHALL CONFIRM EXISTING CONDITIONS PRIOR TO THE INSTALLATION OF SYSTEMS WHICH ARE INTENDED TO TIE INTO OR REUSE ANY PART OF THE EXISTING PIPING OR EQUIPMENT

20 PROVIDE VACUUM BREAKERS ON HOSE CONNECTIONS AND WHERE INDICATED ON PLANS AND DETAILS

21 DOMESTIC WATER PIPING ROUTED UNDER SLAB SHALL BE IN A CONTINUOUS NON METALLIC CONDUIT, SEALED AT THE TOP WITH NON SHRINK GROUT

22 ALL PROPOSED SUPPLY PIPING SHALL BE INSULATED, REFER TO SPECIFICATIONS FOR INSULATION THICKNESS & ACCEPTED PRODUCTS

23 STORM DRAINAGE PIPING ABOVE SLAB SHALL BE INSULATE, REFER TO SPECIFICATIONS FOR INSULALTION THICKNESS. EXPOSED STORM DRAINAGE SHALL BE PVC JACKETED

24 ISOLATION VALVES ON GAS PIPING SHALL BE AGA RATED BALL VALVES, PLUG VALVES WILL NOT BE ACCEPTED

25 DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY THE ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.

26 PROVIDE ALL REQUIRED PENETRATIONS IN RATED ASSEMBLIES, INCLUDING BUT LIMITED TO WALLS AND FLOORS WITH A UL APPROVED FIRESTOPPING ASSEMBLY INCLUDING LISTING LABEL OF PENETRATION AFTER PASSING THROUGH UTILITIES.

27 UNLESS SPECIFICALLY NOTED ON DRAWINGS PIPING SHALL ONLY BE ATTACHED TO TOP OF STEEL BAR JOISTS AT PANEL POINTS, TOP OR BOTTOM FLANGES OF STEEL BEAMS AND SIDE OF WODEN BEAMS. PIPING SHALL NOT BE ATTACHED TO STEEL DECK UNDER ANY CIRCUMSTANCES

PLUMBING PIPING MATERIALS SCHEDULE

SYSTEM	MATERIAL
SANITARY WASTE & VENT (UNDERGROUND)	SCHEDULE 40 POLYVINYL CHLORIDE (PVC)
SANITARY WASTE & VENT (ABOVE GROUND)	SCHEDULE 40 POLYVINYL CHLORIDE (PVC)
DOMESTIC WATER SUPPLY (ABOVE GROUND)	TYPE "L" COPPER WITH PRESS FITTINGS
PROPANE GAS PIPING	SCHEDULE 40 BLACK STEEL WITH MEGA PRESS, THREADED OR WELDED FITTINGS
WATER HEATER EXHAUST & INTAKE FLUES	POLYPROPYLENE DURAVENT

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by:

DAVID W. STORY, P.E.
ISSUED FOR BID

STATE OF MAINE DAVID W STORY NO. 12653 LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	MAM	10-14-2025	Checked:	MAM	10-14-2025
Drawn:	MAM	10-14-2025			

Harriman

PROJ.NO: 25116

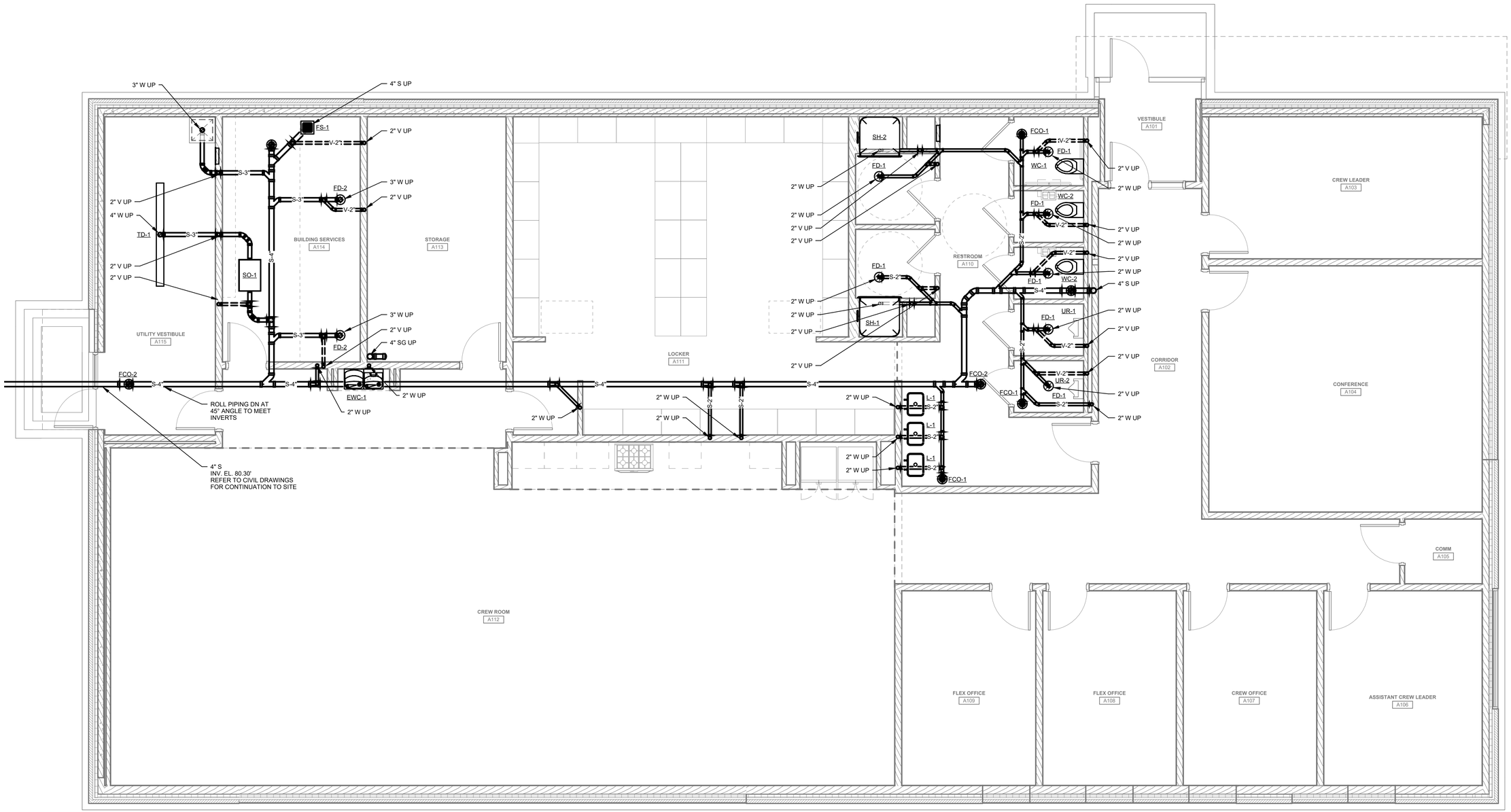
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
LEGEND, GENERAL NOTES & DETAILS

SHEET NUMBER: P00-1



A1 BELOW SLAB DRAINAGE
SCALE: 1/4" = 1'-0"

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

No.	Revision	By	Date

Designed by:

DAVID W. STORY, P.E.
ISSUED FOR BID

STATE OF MAINE
DAVID W. STORY
No. 12853
LICENSED
PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	DWS	10-14-2025	Checked:	DWS	10-14-2025
Drawn:	MAM	10-14-2025			

Harriman

PROJ.NO: 25116

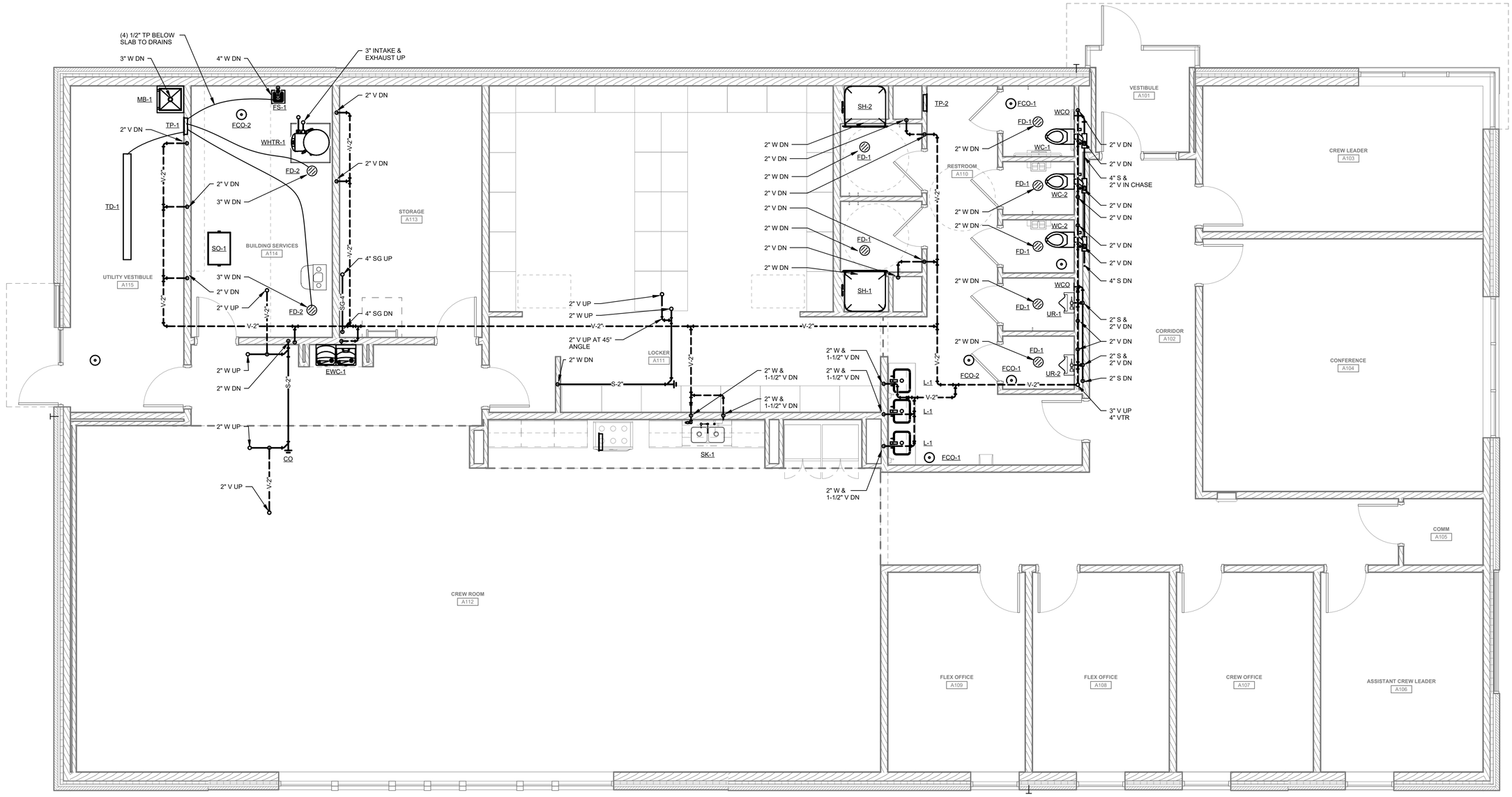
MAINE TURNPIKE

THE GOLD STAR
MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
BELOW SLAB DRAINAGE

SHEET NUMBER: P10-1



A1 FIRST FLOOR DRAINAGE

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

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

No.	Revision	By	Date

Designed by:

DAVID W. STORY, P.E.

ISSUED FOR BID

STATE OF MAINE DAVID W. STORY No. 12653 LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	DWS	10-14-2025	Checked:	DWS	10-14-2025
Drawn:	MAM	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

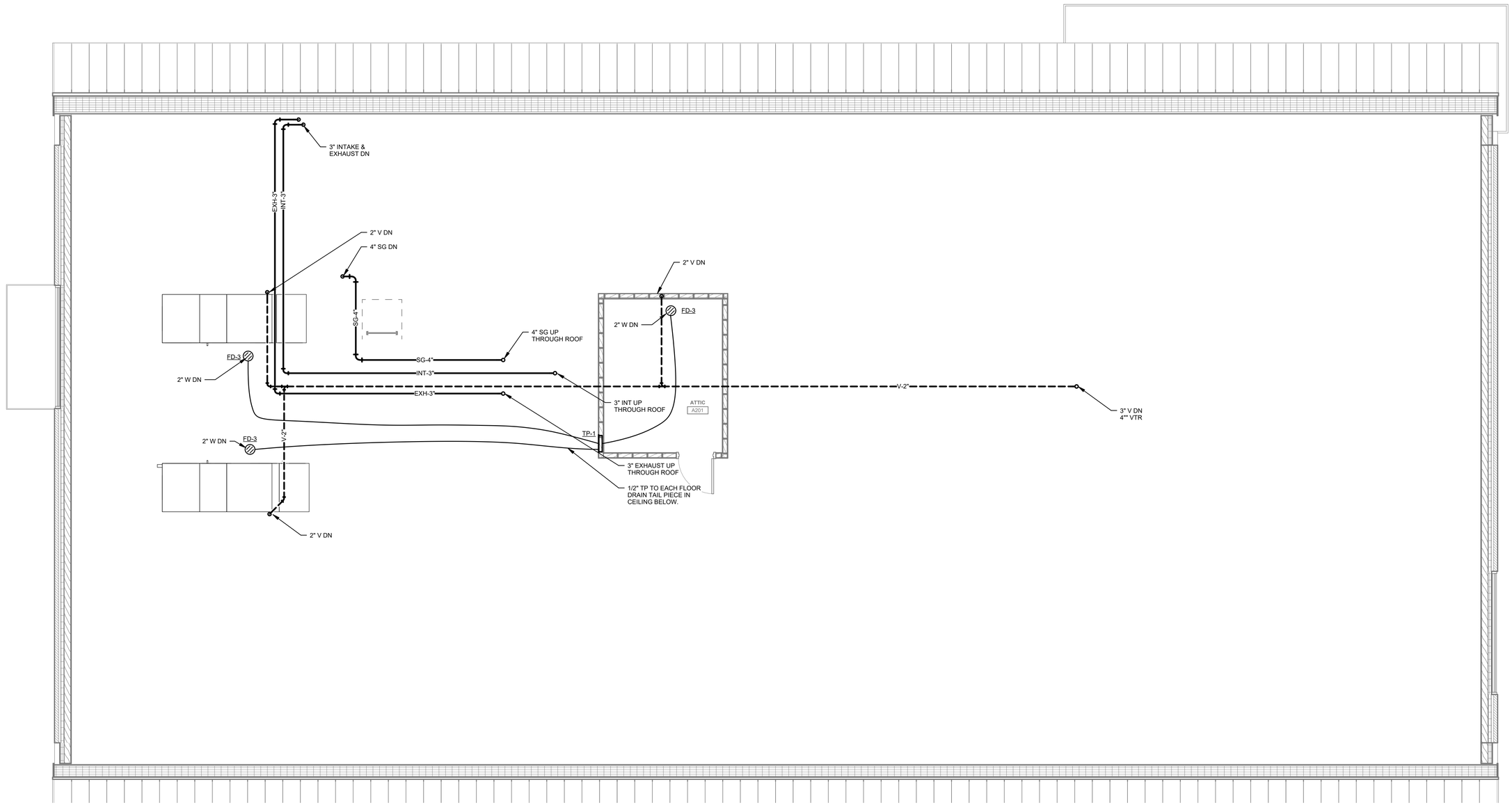
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07

CROSBY MAINTENANCE OFFICE BUILDING

ABOVE SLAB DRAINAGE

SHEET NUMBER: P10-2



A1 ATTIC FLOOR DRAINAGE
SCALE: 1/4" = 1'-0"

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

No.	Revision	By	Date

Designed by:

DAVID W. STORY, P.E.
ISSUED FOR BID

STATE OF MAINE · DAVID W. STORY · NO. 12653 · LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	DWS	10-14-2025	Checked:	DWS	10-14-2025
Drawn:	MAM	10-14-2025			

Harriman

PROJ.NO: 25116

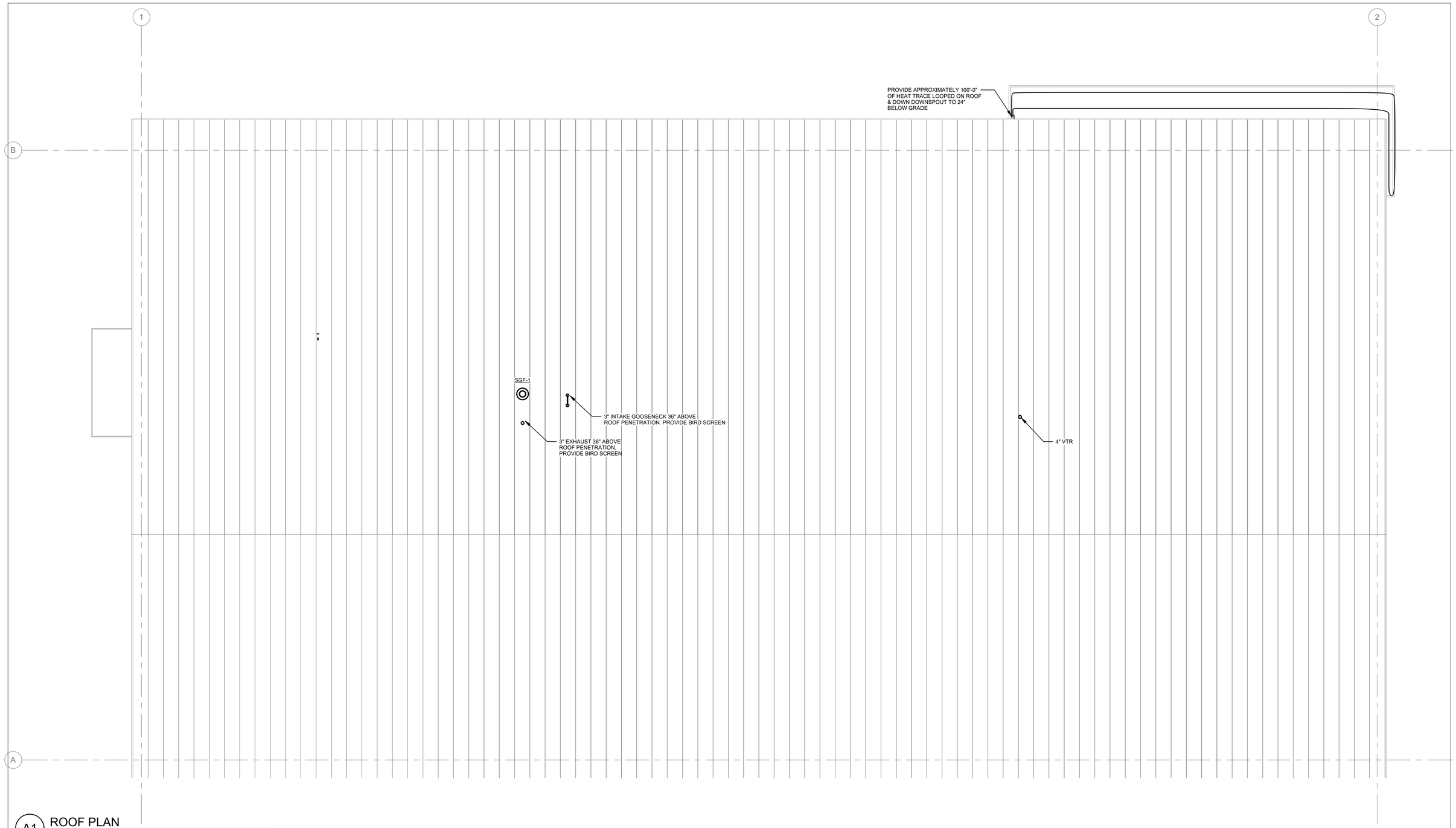
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
ATTIC FLOOR DRAINAGE

SHEET NUMBER: P10-3



A1 ROOF PLAN
SCALE: 1/4" = 1'-0"

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

No.	Revision	By	Date

Designed by:

DAVID W. STORY, P.E.
ISSUED FOR BID

STATE OF MAINE · DAVID W STORY · NO. 12853 · LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	DWS	10-14-2025	Checked:	DWS	10-14-2025
Drawn:	MAM	10-14-2025			

Harriman

PROJ.NO: 25116

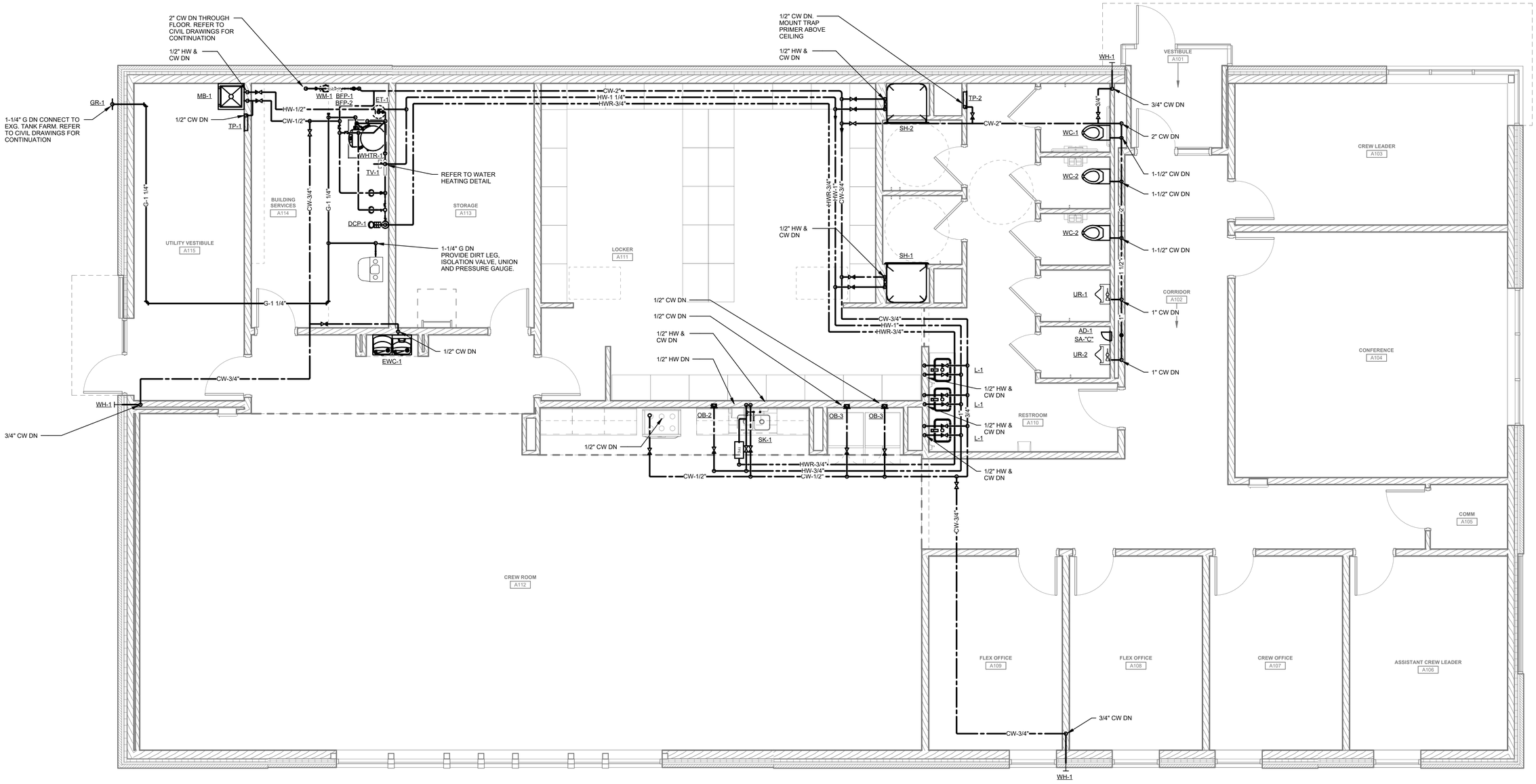
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
ROOF PLAN

SHEET NUMBER: P15-1



A1 FIRST FLOOR SUPPLY
SCALE: 1/4" = 1'-0"

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

No.	Revision	By	Date

Designed by:

DAVID W. STORY, P.E.
ISSUED FOR BID

STATE OF MAINE — DAVID W. STORY — No. 12853 — LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	DWS	10-14-2025	Checked:	DWS	10-14-2025
Drawn:	MAM	10-14-2025			

PROJ.NO: 25116

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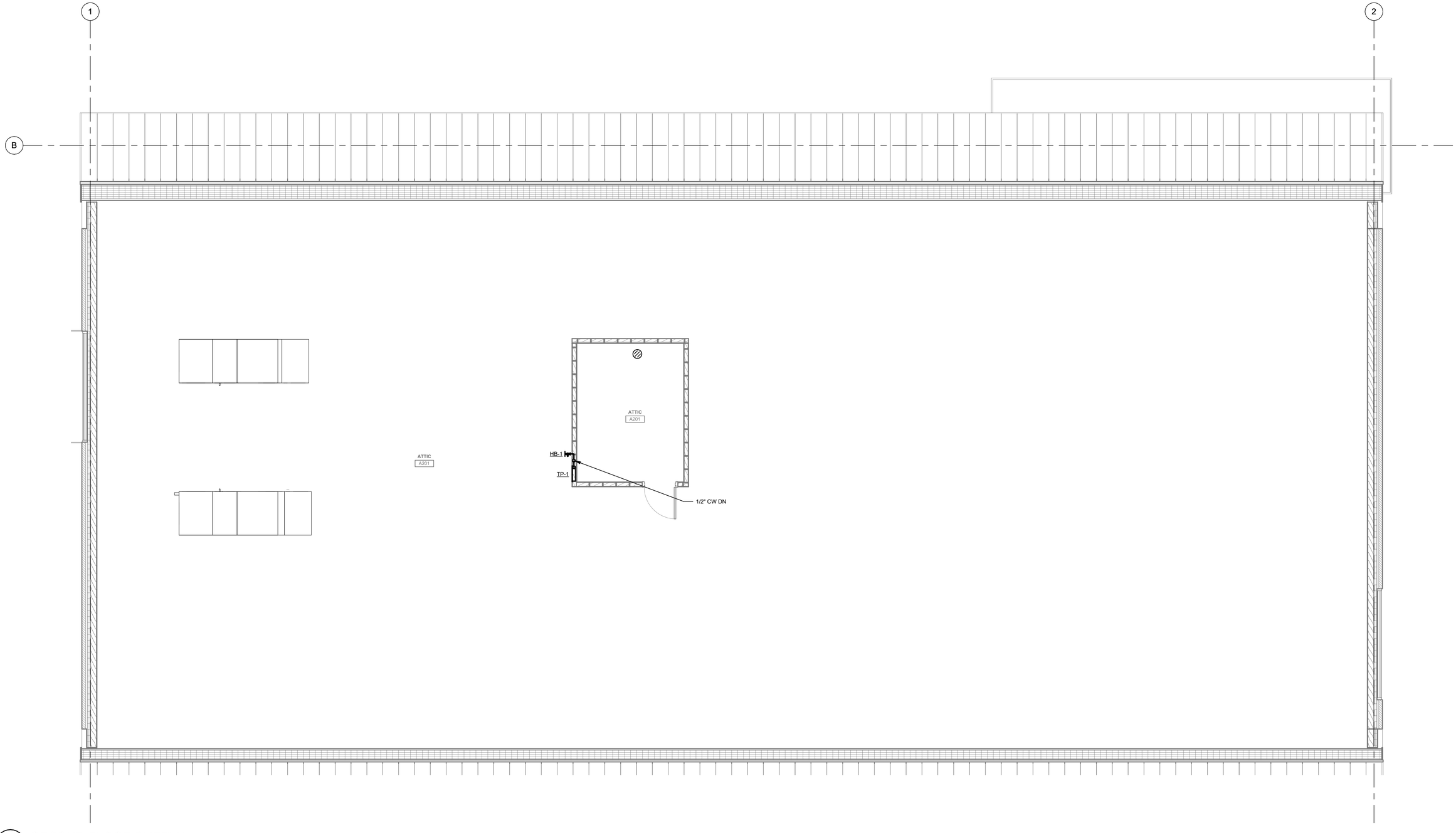
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
FIRST FLOOR SUPPLY

SHEET NUMBER: P20-1



A1 SECOND FLOOR SUPPLY
SCALE: 1/4" = 1'-0"

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

No.	Revision	By	Date

Designed by:

DAVID W. STORY, P.E.
ISSUED FOR BID

STATE OF MAINE
DAVID W. STORY
No. 12653
LICENSED
PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	DWS	10-14-2025	Checked:	DWS	10-14-2025
Drawn:	MAM	10-14-2025			

Harriman

PROJ.NO: 25116

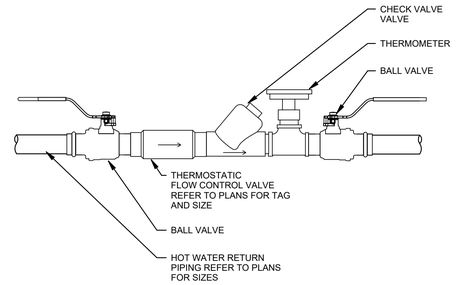
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

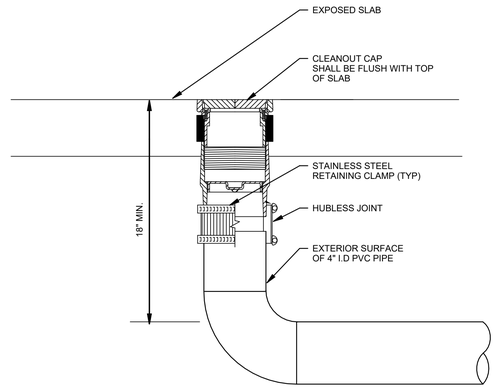
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
ATTIC FLOOR SUPPLY

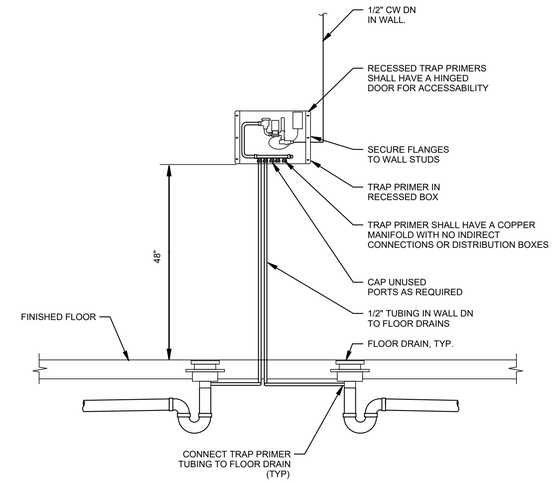
SHEET NUMBER: P20-2



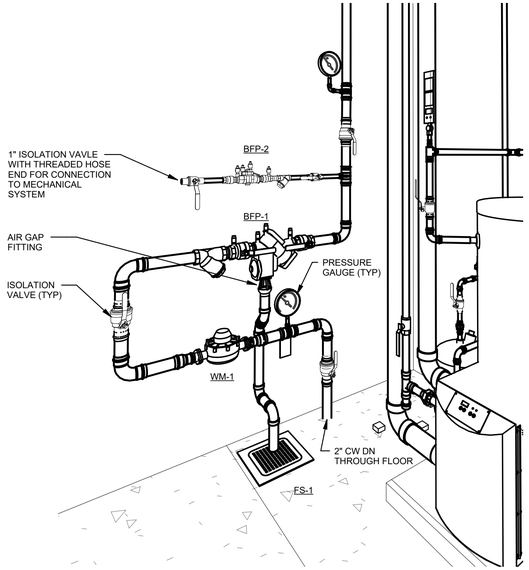
B1 THERMOSTATIC FLOW CONTROL VALVE ASSEMBLY
NO SCALE



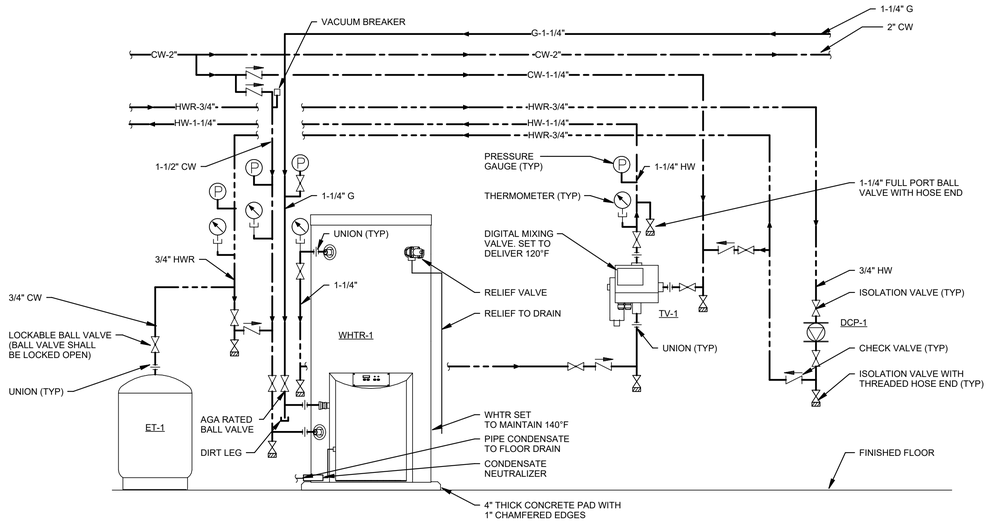
B2 FLOOR CLEANOUT AT END OF BRANCH
NO SCALE



B3 TRAP PRIMER-ELECTRONIC
NO SCALE



A1 WATER ENTRANCE PIPING DETAIL
NO SCALE



A2 WATER HEATER PIPING DETAIL
NO SCALE

Scale:
1/8" = 1'-0"

No.	Revision	By	Date

Designed by:
DAVID W. STORY, P.E.
ISSUED FOR BID

STATE OF MAINE
DAVID W STORY
No. 12853
LICENSED
PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	DWS	10-14-2025	Checked:	DWS	10-14-2025
Drawn:	MAM	10-14-2025			

Harriman

PROJ.NO: 25116

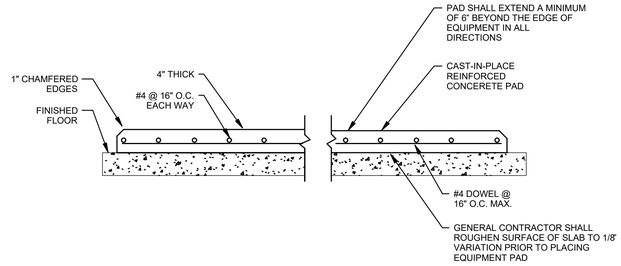
MAINE TURNPIKE

THE GOLD STAR
MEMORIAL HIGHWAY

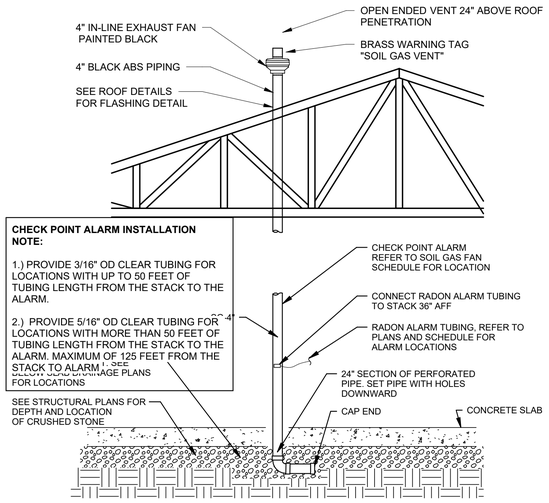
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DETAILS

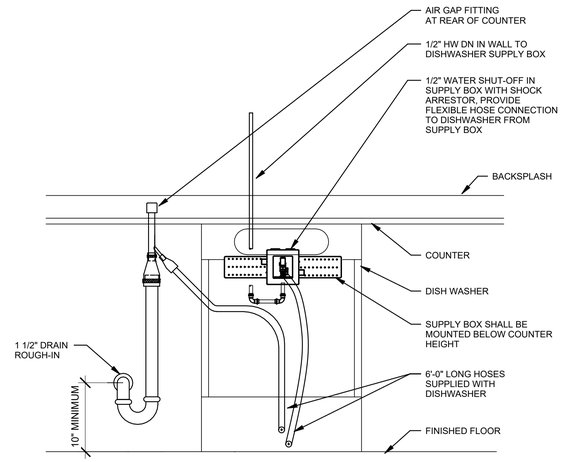
SHEET NUMBER: P50-1



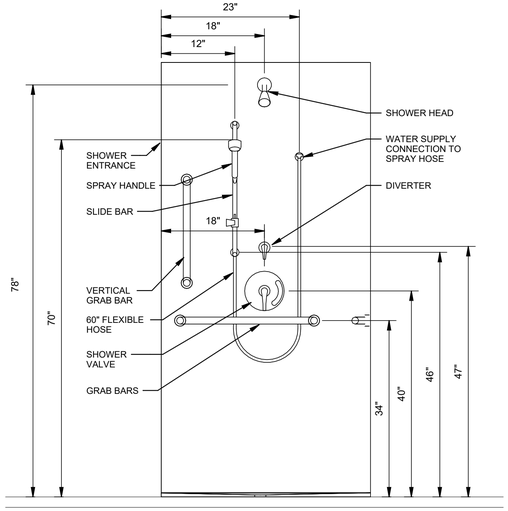
B1 EQUIPMENT PAD DETAIL
NO SCALE



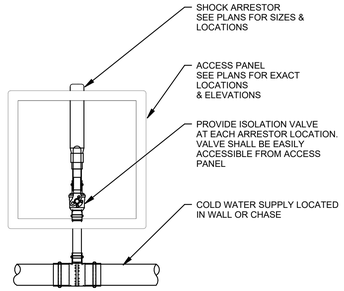
B2 SOIL GAS VENT DETAIL
NO SCALE



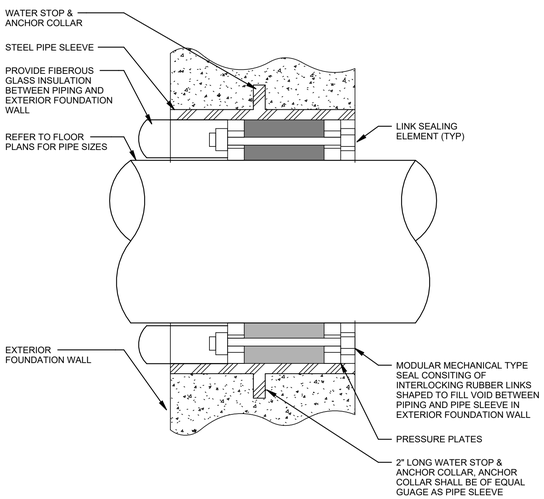
B3 DISHWASHER AIRGAP FITTING - BESIDE DISHWASHER
NO SCALE



A1 ADA TRANSFER SHOWER
NO SCALE



A2 SHOCK ARRESTOR DETAIL
NO SCALE



A3 WATER TIGHT PIPE SEAL AT EXTERIOR FOUNDATION WALLS
NO SCALE

Scale: As indicated

No.	Revision	By	Date

Designed by:

DAVID W. STORY, P.E.
ISSUED FOR BID

STATE OF MAINE DAVID W. STORY No. 12853 LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	DWS	10-14-2025	Checked:	DWS	10-14-2025
Drawn:	MAM	10-14-2025			

Harriman

MAINE TURNPIKE

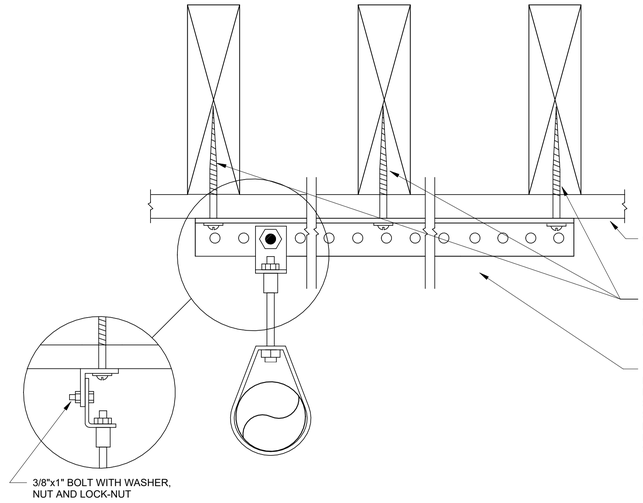
THE GOLD STAR MEMORIAL HIGHWAY

PROJ.NO: 25116

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DETAILS

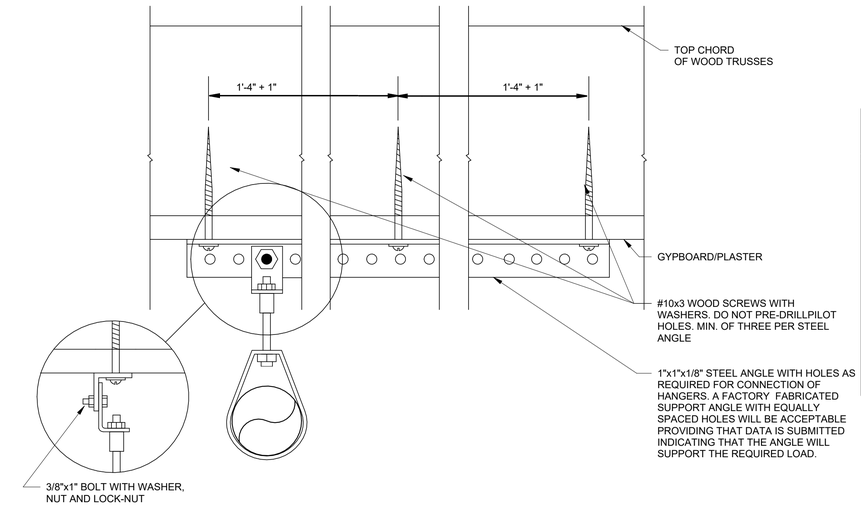
SHEET NUMBER: P50-2



PIPE SIZES	DESIGN WEIGHT IN LBS. (BASED ON 10'-0" HANGER SPACING)
1/2"	10
3/4"	14
1"	21
1 1/4"	30
1 1/2"	36
2"	57
2 1/2"	79
3"	110
3 1/2"	134
4"	MAX. 9'-0" SPACING
5"	MAX. 6'-0" SPACING
6"	MAX.4'-0" SPACING

B2 HANGER ATTACHMENT TO PERPENDICULAR WOOD TRUSSES

NO SCALE



PIPE SIZES	DESIGN WEIGHT IN LBS. (BASED ON 10'-0" HANGER SPACING)
1/2"	10
3/4"	14
1"	21
1 1/4"	30
1 1/2"	36
2"	57
2 1/2"	79
3"	110
3 1/2"	134
4"	MAX. 9'-0" SPACING
5"	MAX. 6'-0" SPACING
6"	MAX.4'-0" SPACING

A2 HANGER ATTACHMENT TO PERPENDICULAR WOOD TRUSSES

NO SCALE

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by:

DAVID W. STORY, P.E.
ISSUED FOR BID

STATE OF MAINE DAVID W. STORY No. 12653 LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	DWS	10-14-2025	Checked:	DWS	10-14-2025
Drawn:	MAM	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DETAILS

SHEET NUMBER: P50-3

PLUMBING FIXTURE INSTALLATION SCHEDULE

FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR

TAG	DESCRIPTION	BRANCH CONNECTION					BASIS OF DESIGN FIXTURE SPECIFICATIONS REFER TO THE SPECIFICATIONS FOR APPROVED EQUALS AND DETAILED DESCRIPTIONS	BASIS OF DESIGN FIXTURE SPECIFICATIONS REFER TO THE SPECIFICATIONS FOR APPROVED EQUALS AND DETAILED DESCRIPTIONS	MOUNTING HEIGHT TO RIM UNLESS NOTED OTHERWISE
		WASTE	VENT	COLD WATER	HOT WATER	TEMPERED WATER			
WC-1	ADA COMPLIANT WALL HUNG WATER CLOSET	4"	2"	1"	-	-	AMERICAN STANDARD AFWALL FLOWISE MODEL 3351.101, PROVIDE CHURCH MODEL 9500CT TOILET SEAT	SLOAN CROWN MODEL 111-1.28	16 1/2"
WC-2	WALL HUNG WATER CLOSET	4"	2"	1"	-	-	AMERICAN STANDARD AFWALL FLOWISE MODEL 3351.101, PROVIDE CHURCH MODEL 9500CT TOILET SEAT	SLOAN CROWN MODEL 111-1.28	15"
UR-1	ADA COMPLIANT WALL HUNG URINAL	2"	1 1/2"	3/4"	-	-	AMERICAN STANDARD WASHBROOK FLOWISE MODEL 6590.001, PROVIDE FLOOR MOUNTED URINAL CARRIER WITH BEARING PLATE	SLOAN CROWN MODEL 186-0.5	17"
UR-2	WALL HUNG URINAL	2"	1 1/2"	3/4"	-	-	AMERICAN STANDARD WASHBROOK FLOWISE MODEL 6590.001, PROVIDE FLOOR MOUNTED URINAL CARRIER WITH BEARING PLATE	SLOAN CROWN MODEL 186-0.5	24"
L-1	ADA COMPLIANT UNDER-MOUNT LAVATORY	2"	1 1/2"	1/2"	1/2"	-	AMERICAN STANDARD STUDIO UNDERCOUNTER LAVATORY MODEL 0614.300, PROVIDE TRAP PRIMER JAY R. SMITH MODEL 2698-ADA,TRAP PRIMER SHALL BE INSTALLED PER DETAIL	SLOAN BASYS TURBINE POWER MODEL EFX-280-TUR-ISM-CP-0.5GPM-MLM-IR-CO-BTA-FCT	34"
SK-1	UNDERCOUNTER MOUNT SINK	2"	1 1/2"	1/2"	1/2"	-	JUST MANUFACTURING UNDER-MOUNT SINK MODEL UD-ADA-1632-A55-J	CHICAGO FAUCET MANUAL FAUCET MODEL 2304-E35ABCP	34"
SH-1	ADA COMPLIANT TANSFER SHOWER	2"	2"	1/2"	1/2"	-	AQUA BATH MODEL C4136TD-FUS-3/4"-LH	ZURN ADA COMPLIANT SHOWER VALVE MODEL Z7301-SS-MT-DV2P-HW-SHOWER HEAD MODEL Z7000-I9	SEE DETAIL
SH-2	ADA COMPLIANT TANSFER SHOWER	2"	2"	1/2"	1/2"	-	AQUA BATH MODEL C4136TD-FUS-3/4"-RH	ZURN ADA COMPLIANT SHOWER VALVE MODEL Z7301-SS-MT-DV2P-HW-SHOWER HEAD MODEL Z7000-I9	SEE DETAIL
EWC-1	ADA COMPLIANT BI-LEVEL ELECTRONIC WATER COOLER WITH BOTTLE FILLER	2"	1 1/2"	1/2"	-	-	ELKAY EZH2O HANDS FREE BOTTLE FILLING STATION WITH BI-LEVEL ADA COOLER MODEL LZOOTL8WLSK	-	MOUNT ADA RUIM AT 30 5/16"
MB-1	MOP BASIN	3"	2"	1/2"	1/2"	-	FIAT TERRAZZO MODEL TSB3000-STAINLESS STEEL CAPS ON ALL CURBS-832AA-1239BB-MSG2424	CHICAGO FAUCETS MODEL 445-PVBCP	MOUNT FAUCET AT 36"
OB-2	MODULAR DISHWASHER OUTLET BOX	-	-	-	1/2"	-	OATEY DISHWASHER OUTLET BOX WITH FACE PLATE MODEL I2K-38583-38621	-	24"
OB-3	MODULAR ICE MAKER OUTLET BOX	-	-	-	1/2"	-	OATEY DISHWASHER OUTLET BOX WITH FACE PLATE MODEL I2K-38583-38621	-	42"
WH-1	WALL HYDRANT	-	-	3/4"	-	-	WATTS MODEL HY-725	-	36"
HB-1	HOSE BIBB	-	-	1/2"	-	-	CHICAGO FAUCET MECHANICAL FAUCET MODEL 952-XKCP	-	60"
AD-1	SHOCK ARRESTOR ACCESS PANEL	-	-	-	-	-	8"x 8" ACCESS PANEL	-	42"

WATER HEATER SCHEDULE

BASIS OF DESIGN WATER HEATER SPECIFICATIONS REFER TO THE SPECIFICATIONS FOR APPROVED EQUALS AND DETAILED DESCRIPTIONS

TAG	MANUFACTURER	MODEL	INPUT (MBH)	FUEL SOURCE	GAS PRESSURE (MIN / MAX) W.C	FIRST HOUR RECOVERY (GAL)	CONNECTION SIZES					ELECTRICAL		WEIGHT (LBS)	NOTES
							COLD WATER	HOT WATER	GAS	COMBUSTION AIR	EXHAUST AIR	VOLTS	PHASE		
WHTR-1	HTP	PH130-55	130	PROPANE	3.5" / 14"	173	1 1/2"	1 1/2"	1 1/4"	3"	3"	120	1	175	

TEMPERING VALVE SCHEDULE

BASIS OF DESIGN TEMPERING VALVE SPECIFICATIONS REFER TO THE SPECIFICATIONS FOR APPROVED EQUALS AND DETAILED DESCRIPTIONS

TAG	MANUFACTURER	MODEL	COLD WATER	HOT WATER	TEMPERED WATER	MAXIMUM OPERATING PRESSURE (PSI)	MAXIMUM OPERATING TEMPERATURE (DEG. F)	MAXIMUM FLOW @ 10 PSI LOSS (GPM)	MINIMUM FLOW (GAL)	TEMPERATURE SETPOINT (DEG.F)	ELECTRICAL		NOTES
											VOLTS	PHASE	
TV-1	WATTS-Powers	IS2075VL	3/4"	3/4"	1"	200.00	200	54	1	120	120	1	

PUMP SCHEDULE

BASIS OF DESIGN PUMP SPECIFICATIONS REFER TO THE SPECIFICATIONS FOR APPROVED EQUALS AND DETAILED DESCRIPTIONS

TAG	MANUFACTURER	MODEL	FLOW (GPM)	HEAD	CONNECTION SIZE	ELECTRICAL			NOTES
						VOLT	PHASE	HORSEPOWER	
DCP-1	GRUNDFOS	MAGNA 3 32-100F-N	7	21.00	3/4"	120	1	0.3	SET PUMPS TO CONSTANT SPEED

RADON FAN SCHEDULE

BASIS OF DESIGN RADON FAN SPECIFICATIONS REFER TO THE SPECIFICATIONS FOR APPROVED EQUALS AND DETAILED DESCRIPTIONS

TAG	MANUFACTURER	MODEL	PIPE CONNECTION	ELECTRICAL			NOTES
				VOLTS	PHASE	WATTS	
SGF-1	FANTECH	RN4EC	6"	120	1	83	ALARM SHALL ME MOUNTED IN MECHANICAL ROOM

GAS REGULATOR SCHEDULE

TAG	MANUFACTURER	MODEL	GAS CONNECTION SIZE	GAS LOAD (MBH)	OUTLET PRESSURE SET POINT	LOCATION	NOTES
GR-1	ITRON	B34	1"	355	12" W.C	BUILDING EXTERIOR	-

Scale:

No.	Revision	By	Date

Designed by:

DAVID W. STORY, P.E.
ISSUED FOR BID

STATE OF MAINE
DAVID W. STORY
No. 12653
LICENSED
PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	DWS	10-14-2025	Checked:	DWS	10-14-2025
Drawn:	MAM	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
SCHEDULES

SHEET NUMBER: P60-1

DRAIN SCHEDULE

BASIS OF DESIGN DRAIN SPECIFICATIONS REFER TO THE SPECIFICATIONS FOR APPROVED EQUALS AND DETAILED DESCRIPTIONS

TAG	DESCRIPTION	BRANCH SIZE W	BRANCH SIZE V	SPECIFICATIONS BASIS OF DESIGN	NOTES
FCO-1	FLOOR CLEANOUT	2"	-	WATTS MODEL CO1200-2	
FCO-2	FLOOR CLEANOUT	4"	-	WATTS MODEL CO1200-4	
FD-1	FLOOR DRAIN	2"	2"	WATTS ROUND HEAVY DUTY STAINLESS STEEL STRAINER MODEL FD-1100-2-B6-6-7	
FD-2	FLOOR DRAIN	3"	2"	WATTS HEAVY DUTY STAINLESS STEEL STRAINER MODEL FD-1100-3-B8-6-7	
FD-3	ADJUSTABLE WOOD DECK FLOOR DRAIN	2"	2"	WATTS FLOOR DRAIN MODEL FD-372-6	
FS-1	FLOOR SINK	4"	2"	WATTS FLOOR SINK MODEL FS-780-4-6-HD	
SO-1	IN FLOOR SOLIDS INTERCEPTOR	3"	2"	MIFAB LIL-S-25-GSK-C	
TD-1	TRENCH DRAIN	3"	2"	WATTS MODEL DEAD LEVEL DI-1A-N48-RSS-8'-0"	

TANK SCHEDULE

BASIS OF DESIGN EXPANSION TANK SPECIFICATIONS REFER TO THE SPECIFICATIONS FOR APPROVED EQUALS AND DETAILED DESCRIPTIONS

TAG	MANUFACTURER	MODEL	AREA SERVED	VOLUME (GAL)	MAX ACCEPTANCE VOLUME (GAL)	MAX OPORATING TEMPERATURE (DEG. F)	NOTES
ET-1	AMTROL	ST-20V-C		8.0 gal	3.2 gal	240 °F	

TRAP PRIMER SCHEDULE

BASIS OF DESIGN TRAP PRIMER SPECIFICATIONS REFER TO THE SPECIFICATIONS FOR APPROVED EQUALS AND DETAILED DESCRIPTIONS

TAG	MANUFACTURER	MODEL	COLD WATER	TRAP PRIMER	NUMBER OF PORTS	ELECTRICAL VOLTS	ELECTRICAL PHASE	NOTES
TP-1	MIFAB	MI-100-5-ENC-120VAC	1/2"	1/2"	5	120	1	
TP-2	MIFAB	MI-100-10-ENC-120VAC	1/2"	1/2"	10	120	1	

PIPING ACCESSORY SCHEDULE

BASIS OF DESIGN PIPE ACCESSORIES SPECIFICATIONS REFER TO THE SPECIFICATIONS FOR APPROVED EQUALS AND DETAILED DESCRIPTIONS

TAG	DESCRIPTION	MANUFACTURER	MODEL	PIPE CONNECTION SIZE	LOCATION
BFP-1	BACKFLOW PREVENTOR	WATTS	LF909M1-QT-S	2"	SPRINKKLER ROOM
BFP-2	BACKFLOW PREVENTOR	WATTS	LF909M1-QT-S	3/4"	
TFC	THERMOSTATIC CONTROL VALVE	THERMOMEGATECH	CSUAS-3/4-115-CV1-PP-TW	3/4"	
WM-1	WATER METER	BY UTILITY		1 1/2"	SPRINKKLER ROOM

FIXTURE CARRIER SCHEDULE

BASIS OF DESIGN FIXTURE CARRIER SPECIFICATIONS REFER TO THE SPECIFICATIONS FOR APPROVED EQUALS AND DETAILED DESCRIPTIONS

MANUFACTURER	DESCRIPTION	MODEL	WASTE	VENT
WATTS	INDUSTRY STANDARD SINGLE HORIZINTAL ADJUSTABLE CLOSET CARRIER WITH 500LB STATIC LOAD	ISCA-101-L/R-36-CA-100-EXT	4"	2"

SHOCK ARRESTOR SCHEDULE

TAG	MANUFACTURER	MODEL	BRANCH CONNECTION	SUPPORTED FIXTURE UNITS
SA-"D"	OATEY	QUIET PIPE MODEL 34488	1"	61-113

Scale:

No.	Revision	By	Date

Designed by:

DAVID W. STORY, P.E.
ISSUED FOR BID

STATE OF MAINE — DAVID W. STORY — No. 12853 — LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	DWS	10-14-2025	Checked:	DWS	10-14-2025
Drawn:	MAM	10-14-2025			

PROJ.NO: 25116

Harriman

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
SCHEDULES

SHEET NUMBER: P60-2

ABBREV / DESCRIPTION

ABBREV	DESCRIPTION
ACV	AUTOMATIC CONTROL VALVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ALD	ACOUSTICAL LINED DUCT
AMS	AIRFLOW MEASURING STATION
APD	AIR PRESSURE DROP
ATC	AUTOMATIC TEMPERATURE CONTROL
B	BAROMETRIC DAMPER
BD	BACKDRAFT DAMPER
BHP	BRAKE HORSEPOWER
BPD	BYPASS DAMPER
BTU	BRITISH THERMAL UNITS
CBD	COUNTERBALANCED BACKDRAFT DAMPER
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CO	CLEANOUT
CTE	CONNECT TO EXISTING
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
DCW	DOMESTIC COLD WATER
DEG.F	DEGREES FAHRENHEIT
DHW	DOMESTIC HOT WATER
DIA	DIAMETER
DN	DOWN
DTR	DUAL TEMPERATURE RETURN
DTS	DUAL TEMPERATURE SUPPLY
EAT	ENTERING AIR TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EXG	EXISTING
EXH	EXHAUST
F&T	FLOAT & THERMOSTATIC TRAP
F/S	FIRE AND SMOKE COMBINATION DAMPER
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER
FL	FINNED LENGTH OF RADIATION
FM	FLOW METER
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FPF	FINS PER FOOT
FPI	FINS PER/INCH
FPM	FEET PER MINUTE
FT	FEET
FT-HD	FEET OF HEAD
FT-WG	FEET WATER GAUGE
FTR	FIN TUBE RADIATOR
GAL	GALLONS
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HPCR	HIGH PRESSURE CONDENSATE RETURN (OVER 30 PSIG)
HPS	HIGH PRESSURE STEAM (OVER 30PSIG)
HRR	HEAT RECOVERY RETURN
HRS	HEAT RECOVERY SUPPLY
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY

ABBREV / DESCRIPTION

ABBREV	DESCRIPTION
IN	INCHES
LAT	LEAVING AIR TEMPERATURE
LPCR	LOW PRESSURE CONDENSATE RETURN (LESS THAN 15 PSI)
LPS	LOW PRESSURE STEAM(LESS THAN 15 PSI)
LRA	LOCKED ROTOR AMPS
LSGV	LOCK & SHIELD GATE VALVE
LWT	LEAVING WATER TEMPERATURE
M	MOTORIZED DAMPER
MAX	MAXIMUM
MBH	1000 BRITISH THERMAL UNITS
MCA	MINIMUM CIRCUIT AMPS
MIN	MINIMUM
MOPD	MAXIMUM OVERCURRENT PROTECTIVE DEVICE
MPCR	MEDIUM PRESSURE CONDENSATE RETURN(16-30 PSIG)
MPS	MEDIUM PRESSURE STEAM (16-30 PSIG)
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OC	ON CENTER
OED	OPEN END DUCT
OS&Y	OUTSIDE SCREW & YOKE GATE VALVE
PD	PRESSURE DROP
PRD	PRESSURE RELIEF DAMPER
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
RET	RETURN
RL	REFRIGERANT LIQUID
RLA	RATED LOAD AMPERES
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
S	SMOKE DAMPER
SP	STATIC PRESSURE
SS	STAINLESS STEEL
SUP	SUPPLY
TEMP	TEMPERATURE
TT	THERMOSTATIC TRAP
TYP	TYPICAL
V	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
W/	WITH
W/O	WITHOUT
WC	WATER COLUMN
WG	WATER GAUGE
WMS	WELDED WIRE MESH SCREEN
WPD	WATER PRESSURE DROP
Z	ZONE DAMPER
PREFIX OF X	EXISTING

PIPING LEGEND

SYMBOL	DESCRIPTION
	EXISTING SUPPLY PIPING TO REMAIN
	EXISTING RETURN PIPING TO REMAIN
	NEW SUPPLY PIPING
	NEW RETURN PIPING
	ACV 2 - WAY
	ACV 3 - WAY
	BUTTERFLY VALVE
	CAP - PIPE
	CHECK VALVE
	COMBINATION BALANCING, FLOW MEASURING & TIGHT SHUT-OFF VALVE
DPS	DIFFERENTIAL PRESSURE SENSOR
	FLOAT & THERMOSTATIC TRAP
	ISOLATION VALVE
	GLOBE VALVE
	INVERTED BUCKET TRAP
	LOCKSHIELD GATE VALVE
V	MANUAL AIR VENT
	OS&Y GATE VALVE
	PETCOCK FOR GAUGE CONNECTION
	PIPE ANCHOR
	PIPE DOWN
	PIPE UP
	PIPE GUIDE
	PLUG VALVE
P	PRESSURE GAUGE
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	REDUCER - CONCENTRIC
	REDUCER - ECCENTRIC
	STRAINER
	TAKE - OFF FROM BOTTOM OF PIPE
	TAKE - OFF FROM TOP OF PIPE
	THERMOMETER
	THERMOMETER WELL
T	THERMOSTATIC TRAP
	UNION
A 10'-0" FL/D 1.2 GPM	RADIATION I.D. (TYPE A, 10'-0" FINNED LENGTH, BALANCED TO 1.2 GPM) WITH DAMPER
A 10'-0" FL 1.2 GPM	RADIATION I.D. (TYPE A, 10'-0" FINNED LENGTH, BALANCED TO 1.2 GPM) WITHOUT DAMPER

DUCTWORK LEGEND

SYMBOL	DESCRIPTION
	EXISTING DUCTWORK TO REMAIN
	NEW DUCTWORK
	ACOUSTICALLY LINED DUCT
AMS	AIRFLOW MEASURING STATION
BD	BACKDRAFT DAMPER
CB	COUNTERBALANCED DAMPER
Ø	SPIRAL DUCT DIAMETER
	DUCT SECTION - SUPPLY/OUTDOOR AIR
	DUCT SECTION - RETURN AIR
	DUCT SECTION - EXHAUST AIR
	DUCT TURNING VANES
F	FIRE DAMPER (1 1/2 HOUR RATED)
F/S	FIRE AND SMOKE DAMPER (1 1/2 HOUR RATED)
FD (3 HR)	FIRE DAMPER (3 HOUR RATED)
	FLEXIBLE DUCT
	LOUVER
M	MOTORIZED DAMPER
PRD	PRESSURE RELIEF DAMPER
	RETURN OR EXHAUST AIR
S	SMOKE DAMPER
SD	DUCT MOUNTED SMOKE DETECTOR
SPS	STATIC PRESSURE SENSOR
	SUPPLY OR OUTSIDE AIR
V	VOLUME DAMPER

S (SUPPLY) R (RETURN)
E (EXHAUST) T (TRANSFER)
SUPPLY DIFFUSER (TYPE 2)

DIFFUSER DESCRIPTION
(SEE REG., GRILLES & DIFF SCHEDULE)

S2 4 — QUANTITY
400

400 CFM EA

CONTROLS LEGEND

SYMBOL	DESCRIPTION
H	HUMIDISTAT
HS	HUMIDITY SENSOR
TS	TEMPERATURE SENSOR
T	THERMOSTAT
T_C	THERMOSTAT COOLING
T_H	THERMOSTAT HEATING
T_N	THERMOSTAT - NIGHT
$T_{H/C}$	THERMOSTAT - HEATING/COOLING

GENERIC LEGEND

SYMBOL	DESCRIPTION
	CONNECT NEW TO EXISTING
	COMPLETELY REMOVE EQUIPMENT, DUCTWORK, OR PIPING
	EXISTING EQUIPMENT TO REMAIN
	NEW EQUIPMENT
A M10.1	SECTION I.D. (SECTION A SHOWN ON DWG. M10.1)

GENERAL NOTES

1 VISIT THE BUILDING SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS, AND TO TAKE MEASUREMENTS AS NECESSARY FOR COMPLETION OF THE WORK ASSOCIATED WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS.

2 COORDINATE WORK OF MECHANICAL SUBCONTRACTOR WITH WORK OF OTHER TRADES.

3 DUCTWORK, PIPING AND EQUIPMENT ARE INDICATED DIAGRAMMATICALLY. FIELD-VERIFY LOCATIONS.

4 PRIOR TO FABRICATING DUCTWORK, COORDINATE WITH OTHER TRADES TO ENSURE THAT THE DUCTWORK CAN BE INSTALLED WITH THE INDICATED SIZES AND LOCATIONS.FIELD-VERIFY EXISTING DUCT SIZES AND CONDITIONS.SUBMIT ANY DISCREPANCIES OR PROPOSED CHANGES.

5 REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATIONS OF CEILING DIFFUSERS AND REGISTERS.

6 DUCT ELBOWS SHALL BE LONG-RADIUS TYPE (THROAT RADIUS EQUAL TO OR GREATER THAN DUCT WIDTH IN THE PLANE OF THE TURN) WHEREVER SPACE ALLOWS. IF SPACE IS NOT ADEQUATE, PROVIDE MITERED ELBOWS WITH TURNING VANES.

7 PROVIDE 16 GAUGE SINGLE-THICKNESS TURNING VANES AT MITERED DUCT ELBOWS. VANE EDGES (LEADING AND TRAILING) SHALL BE TANGENTIAL TO AIRFLOW.

8 FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 5'-0"

9 PAINT DUCTWORK VISIBLE THRU CEILING OPENINGS, DUCT OPENINGS, AND REGISTERS, GRILLES, AND DIFFUSERS WITH BLACK PAINT IN ACCORDANCE WITH DIVISION 09 SECTION "PAINTING."

10 MOUNT THERMOSTATS AND TEMPERATURE AND HUMIDITY SENSORS AT 48 INCHES AFF TO TOP OF ITEM. PROVIDE ELECTRICAL WALL BOX ATTACHED TO FRAMING.

11 WHERE THERMOSTATS/TEMPERATURE SENSORS ARE LOCATED NEAR LIGHT SWITCHES, INSTALL SO THAT LIGHT SWITCHES ARE NEARER TO THE DOOR JAMBS. THE INTENT IS TO LOCATE THERMOSTATS/ TEMPERATURE SENSORS SO THEY WILL NOT INTERFERE WITH ACCESSIBILITY OF LIGHT SWITCHES.

12 PIPING INDICATED IN OUTSIDE WALLS SHALL BE RUN ON THE WARM SIDE OF BUILDING INSULATION AND VAPOR BARRIER. BUILDING INSULATION BEHIND SUCH PIPING SHALL BE CONTINUOUS, WITHOUT JOINTS OR GAPS.

13 PIPING SHALL BE CONCEALED EXCEPT IN MECHANICAL ROOMS AND AS INDICATED. WHERE PIPES DROP IN BLOCK WALLS, PROVIDE 1/2" THICK INSULATION MINIMUM.

14 SEAL DUCTWORK AND PIPING THRU MECHANICAL ROOM FLOORS AND PARTITIONS, AND THRU FIRE-RATED ASSEMBLIES, WITH FIRESTOP MATERIAL AS SPECIFIED.

15 PROVIDE ALL REQUIRED PENETRATIONS IN RATED ASSEMBLIES, INCLUDING BUT LIMITED TO WALLS AND FLOORS WITH A UL APPROVED FIRESTOPPING ASSEMBLY INCLUDING LISTING LABEL OF PENETRATION AFTER PASSING THROUGH UTILITIES.

16 UNLESS SPECIFICALLY NOTED ON DRAWINGS PIPING SHALL ONLY BE ATTACHED TO TOP OF STEEL BAR JOISTS AT PANEL POINTS, TOP OR BOTTOM FLANGES OF STEEL BEAMS AND SIDE OF WODEN BEAMS. PIPING SHALL NOT BE ATTACHED TO STEEL DECK UNDER ANY CIRCUMSTANCES

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by:

DAVID STORY, P.E.
ISSUED FOR BID

STATE OF MAINE — DAVID W. STORY — No. 12853 — LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	MSJ	10-14-2025	Checked:	MSJ	10-14-2025
Drawn:	ERD	10-14-2025			

Harriman

PROJ.NO: 25116

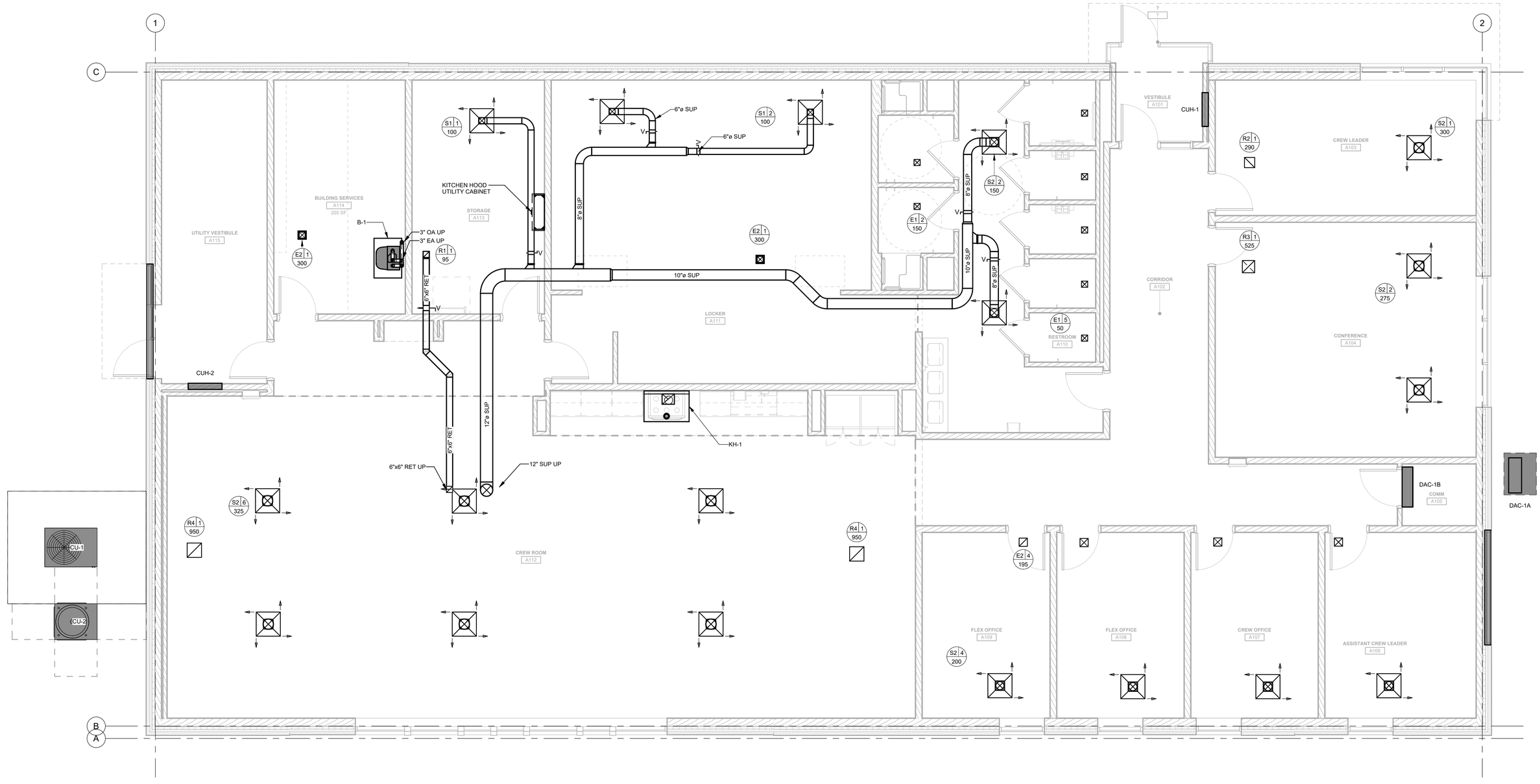
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
LEGEND & GENERAL NOTES

SHEET NUMBER: M00-1



A1 FIRST FLOOR DUCTWORK

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

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

No.	Revision	By	Date

Designed by:

DAVID STORY, P.E.
ISSUED FOR BID

STATE OF MAINE DAVID W STORY No. 12853 LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	MSJ	10-14-2025	Checked:	MSJ	10-14-2025
Drawn:	ERD	10-14-2025			

Harriman

PROJ.NO: 25116

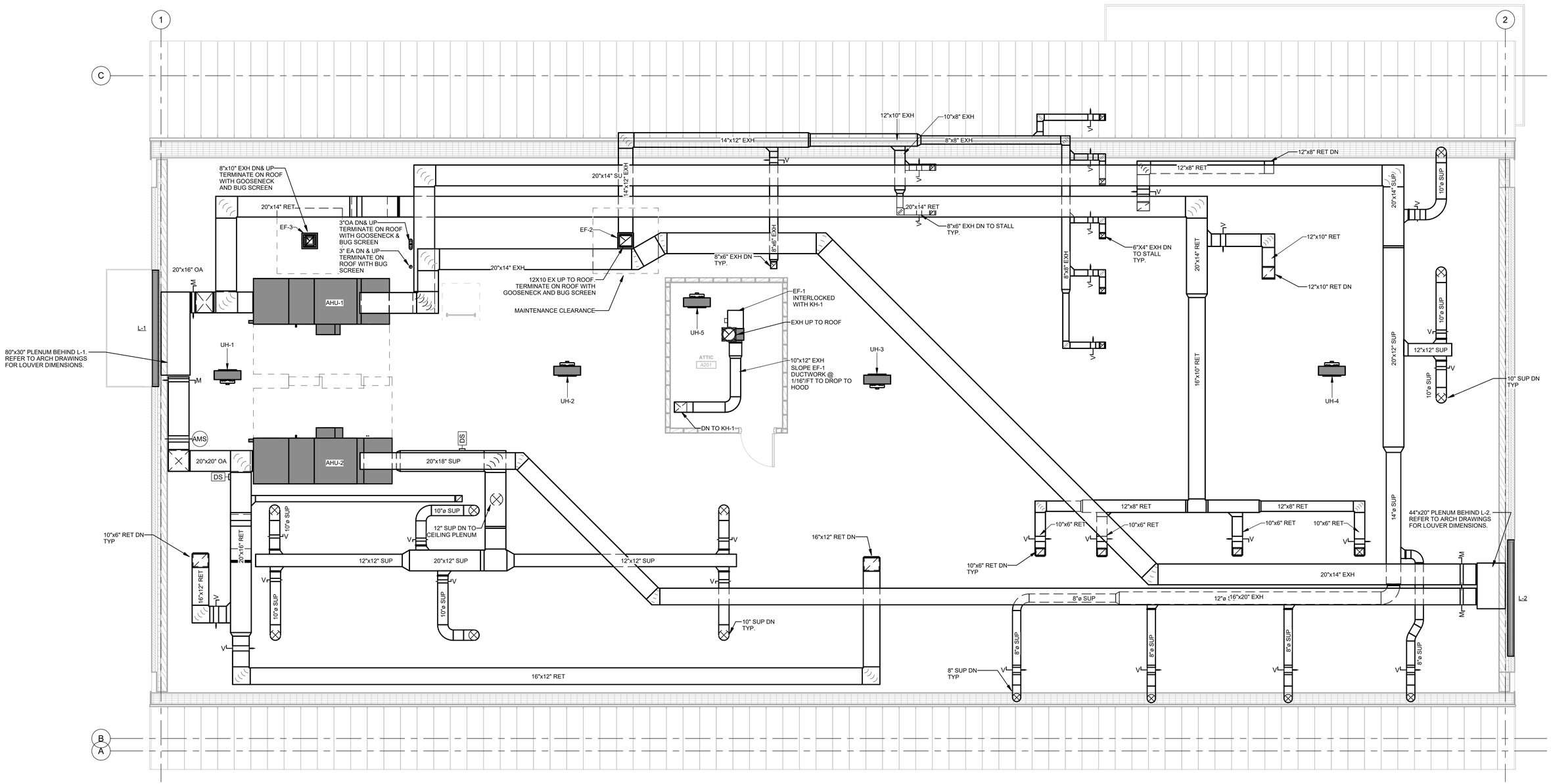
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
FIRST FLOOR DUCTWORK

SHEET NUMBER: M10-1



A1 SECOND FLOOR DUCTWORK

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

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

No.	Revision	By	Date

Designed by:

DAVID STORY, P.E.
ISSUED FOR BID

STATE OF MAINE · DAVID W STORY · No. 12853 · LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	MSJ	10-14-2025	Checked:	MSJ	10-14-2025
Drawn:	ERD	10-14-2025			

PROJ.NO: 25116

Harriman

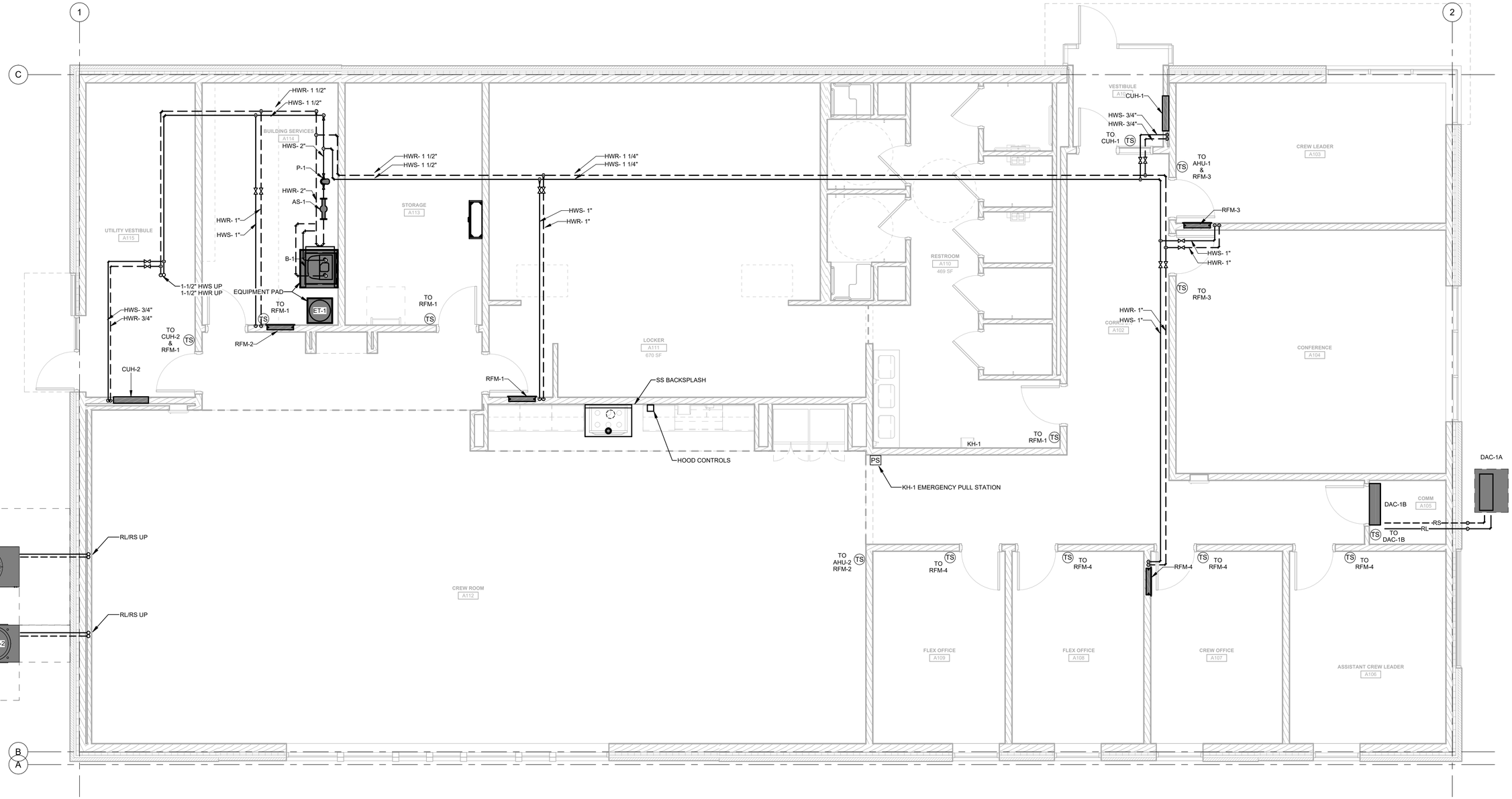
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
SECOND FLOOR DUCTWORK

SHEET NUMBER: M10-2



A1 FIRST FLOOR PIPING

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

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

No.	Revision	By	Date

Designed by:

DAVID STORY, P.E.
ISSUED FOR BID

STATE OF MAINE
DAVID W. STORY
No. 12853
LICENSED
PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	MSJ	10-14-2025	Checked:	MSJ	10-14-2025
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Harriman

PROJ.NO: 25116

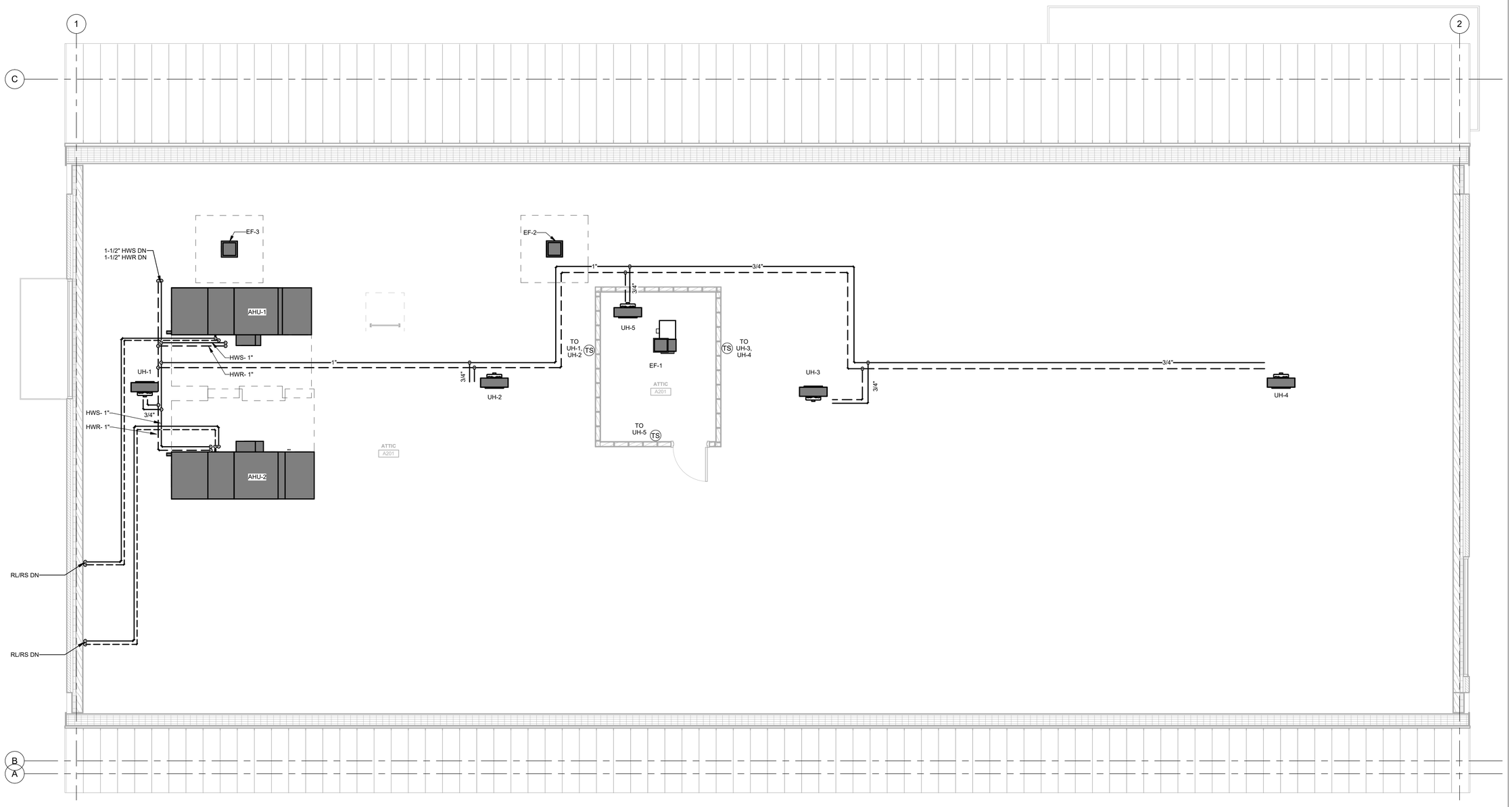
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
FIRST FLOOR PIPING

SHEET NUMBER: M20-1



A1 SECOND FLOOR PIPING

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

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

No.	Revision	By	Date

Designed by:

DAVID STORY, P.E.
ISSUED FOR BID

STATE OF MAINE · DAVID W. STORY · No. 12853 · LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	MSJ	10-14-2025	Checked:	MSJ	10-14-2025
Drawn:	ERD	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
SECOND FLOOR PIPING

SHEET NUMBER: M20-2



NOTE:
TEMPERATURE SENSORS SHOWN ON THIS PLAN ARE SLAB TEMPERATURE SENSORS.

A1 FIRST FLOOR PIPING
SCALE: 1/4" = 1'-0"

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

No.	Revision	By	Date

Designed by:

DAVID STORY, P.E.
ISSUED FOR BID

STATE OF MAINE
DAVID W. STORY
No. 12653
LICENSED
PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	MSJ	10-14-2025	Checked:	MSJ	10-14-2025
Drawn:	ERD	10-14-2025			

Harriman

PROJ.NO: 25116

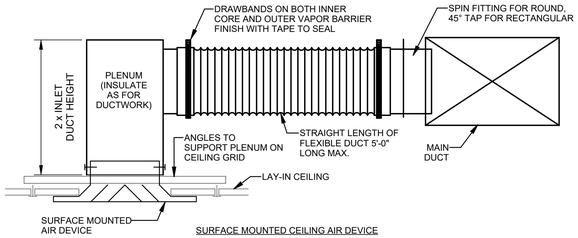
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

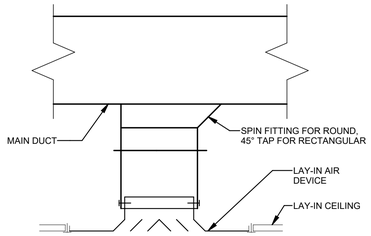
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
FIRST FLOOR RADIANT PIPING

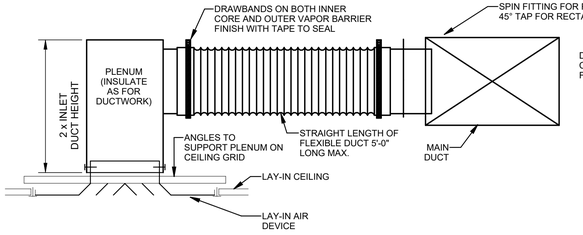
SHEET NUMBER: M20-3

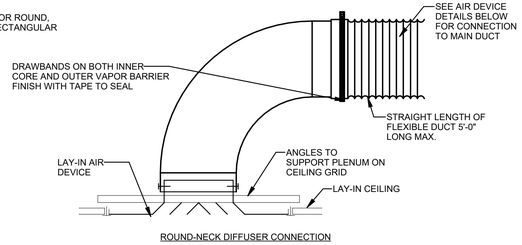


SURFACE MOUNTED CEILING AIR DEVICE



LAY-IN AIR DEVICE UNDER DUCT

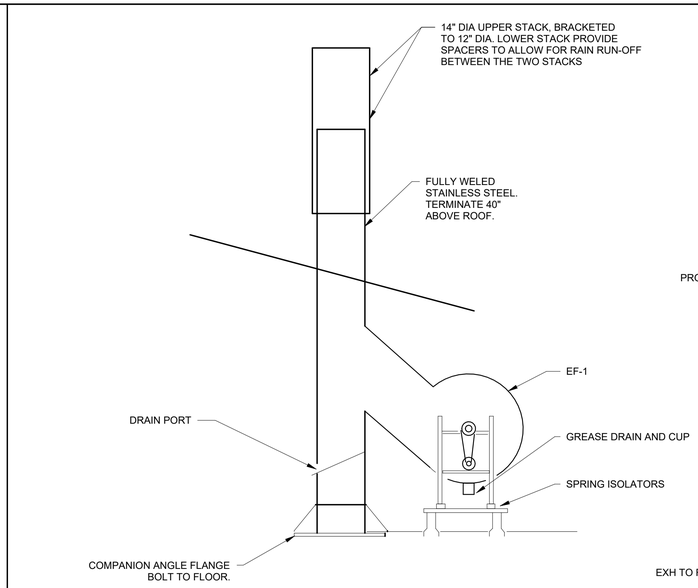


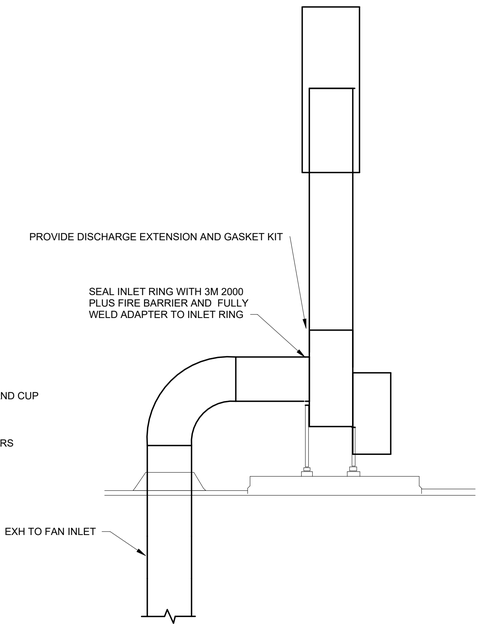


ROUND-NECK DIFFUSER CONNECTION

B1 CEILING AIR DEVICE

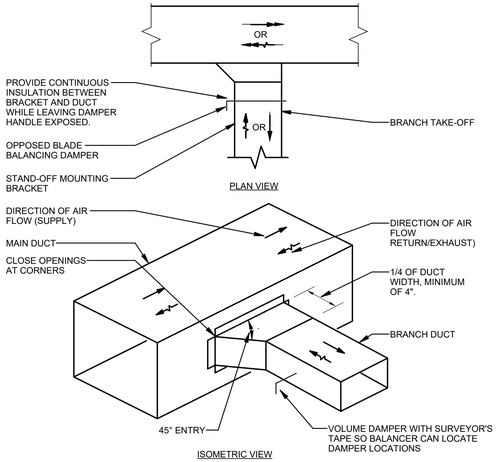
NO SCALE





B3 KITCHEN EXHAUST FAN AND TERMINATION

NO SCALE



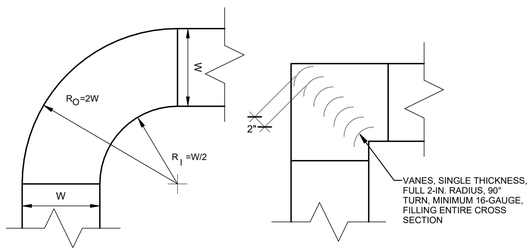
PLAN VIEW

ISOMETRIC VIEW

VOLUME DAMPERS:
1) PROVIDE STAND-OFF BRACKETS ON INSULATED DUCTS.
2) INSULATE UNDER BRACKETS, SEAL VAPOR BARRIER TO BRACKETS
3) PROVIDE LOCKING, INDICATING QUADRANTS.

A1 SIDE BRANCH TAKE-OFF

NO SCALE

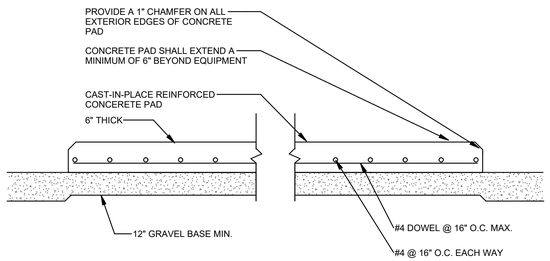


RADIUSES MITERED

NOTE: USE MITERED ONLY WHERE SPACE IS TOO TIGHT FOR RADIUS, OR WHERE INDICATED ON DRAWINGS.

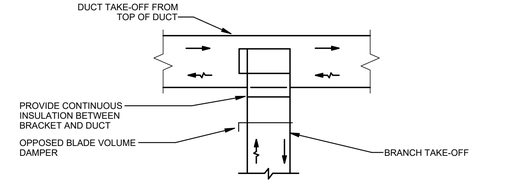
A2 DUCT ELBOW

NO SCALE

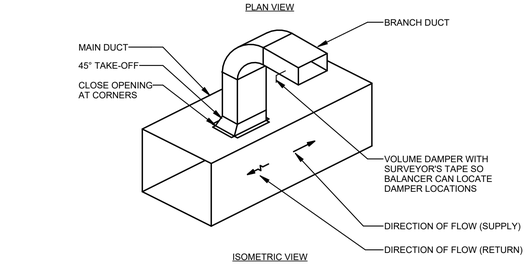


A3 EXTERIOR EQUIPMENT PAD

NO SCALE



PLAN VIEW



ISOMETRIC VIEW

NOTE: INSULATED SUPPLY AND RETURN DUCTWORK SHALL BE INSTALLED WITH STAND-OFF MOUNTING BRACKETS FOR VOLUME/BALANCING DAMPER OPERATORS. ALLOW CLEARANCE BETWEEN DUCT AND OPERATOR OF NOT LESS THAN INSULATION THICKNESS.

A4 TOP OR BOTTOM BRANCH TAKE-OFF

NO SCALE

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by:

DAVID STORY, P.E.

ISSUED FOR BID

STATE OF MAINE DAVID W. STORY No. 12853 LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	MSJ	10-14-2025	Checked:	MSJ	10-14-2025
Drawn:	ERD	10-14-2025			

Harriman

PROJ.NO: 25116

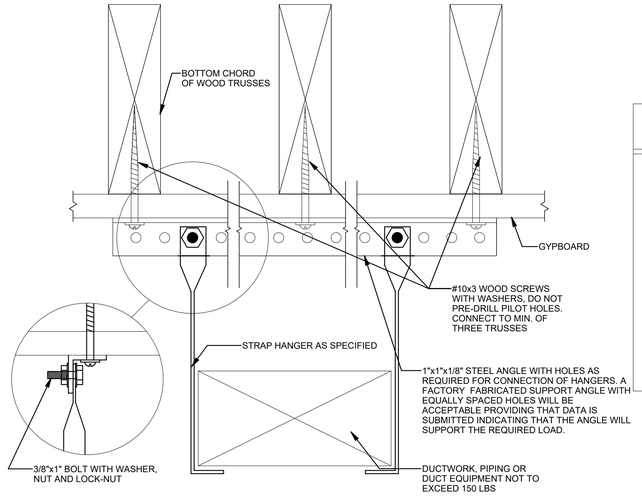
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DETAILS

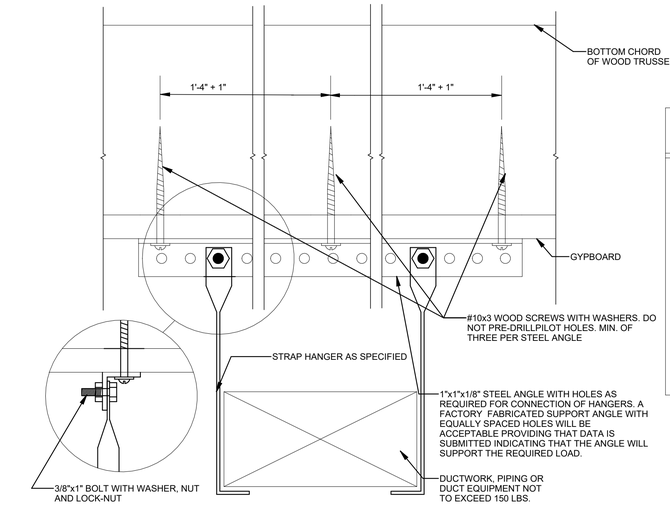
SHEET NUMBER: M50-1



DUCTWORK SIZES	DESIGN WEIGHT IN LBS. (BASED ON 10'-0" HANGER SPACING)
6" X 6"	10
8" X 8"	20
10" X 10"	30
12" X 12"	40
14" X 14"	50
16" X 16"	60
18" X 18"	70
20" X 20"	80
22" X 22"	90
24" X 24"	100
26" X 26"	110
28" X 28"	120

PIPE SIZES	DESIGN WEIGHT IN LBS. (BASED ON 10'-0" HANGER SPACING)
1/2"	10
3/4"	14
1"	21
1 1/4"	30
1 1/2"	36
2"	57
2 1/2"	79
3"	110
3 1/2"	134
4"	MAX. 9'-0" SPACING
5"	MAX. 6'-0" SPACING
6"	MAX.4'-0" SPACING

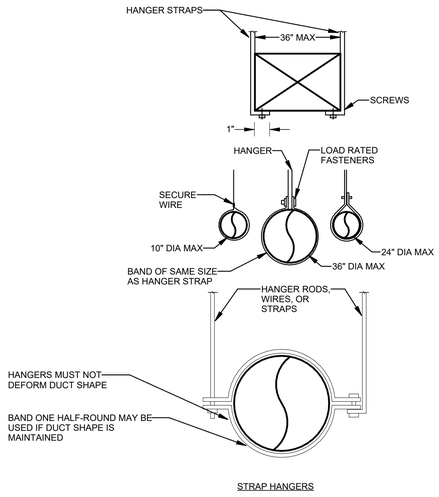
B1 HANGER ATTACHMENT TO PARALLEL WOOD TRUSSES
NO SCALE



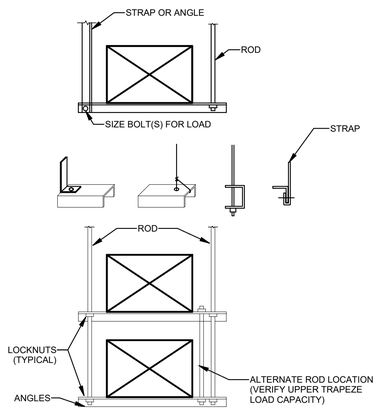
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PIPE SIZES	DESIGN WEIGHT IN LBS. (BASED ON 10'-0" HANGER SPACING)
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3/4"	14
1"	21
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1 1/2"	36
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3"	110
3 1/2"	134
4"	MAX. 9'-0" SPACING
5"	MAX. 6'-0" SPACING
6"	MAX.4'-0" SPACING

B3 HANGER ATTACHMENT TO PERPENDICULAR WOOD TRUSSES
NO SCALE



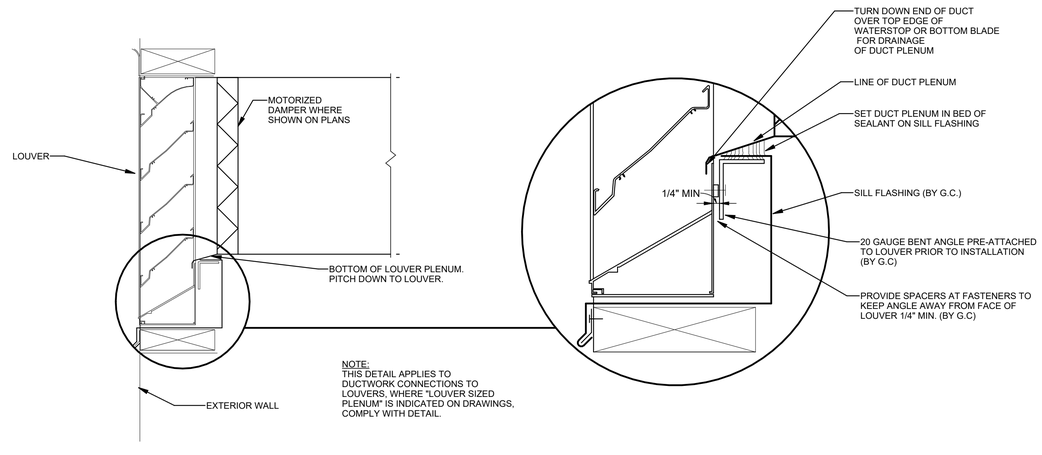
STRAP HANGERS



TRAPEZE HANGERS

NOTES:
1. REINFORCEMENT MAY BE USED FOR ATTACHMENT IF IT QUALIFIES FOR BOTH DUTIES.
2. ATTACH HANGERS TO TOP CHORD OF JOISTS OR BEAMS.
3. DO NOT EXCEED ALLOWABLE LOAD LIMITS.

A1 LOWER HANGER ATTACHMENT
NO SCALE



NOTE:
THIS DETAIL APPLIES TO DUCTWORK CONNECTIONS TO LOUVERS, WHERE "LOUVER SIZED PLENUM" IS INDICATED ON DRAWINGS, COMPLY WITH DETAIL.

A3 LOUVER CONNECTION
NO SCALE

Scale:
1/8" = 1'-0"

No.	Revision	By	Date

Designed by:

DAVID STORY, P.E.
ISSUED FOR BID

STATE OF MAINE
DAVID W. STORY
No. 12853
LICENSED
PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	MSJ	10-14-2025	Checked:	MSJ	10-14-2025
Drawn:	ERD	10-14-2025			

Harriman

PROJ.NO: 25116

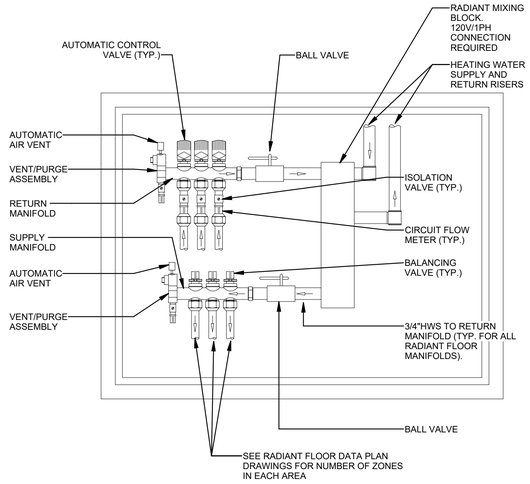
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

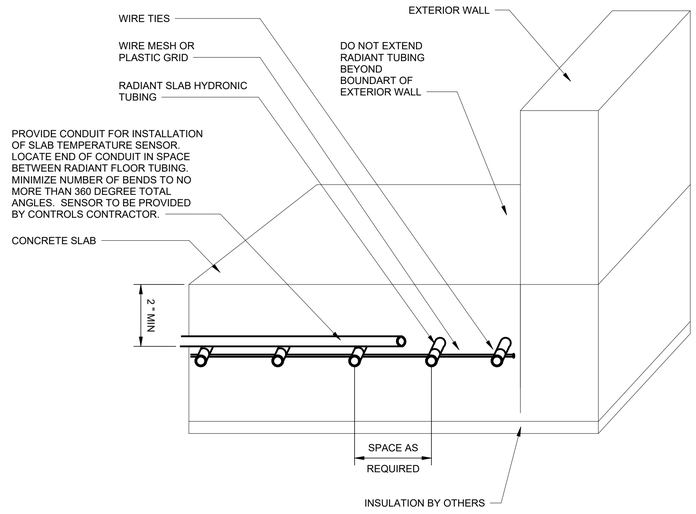
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DETAILS

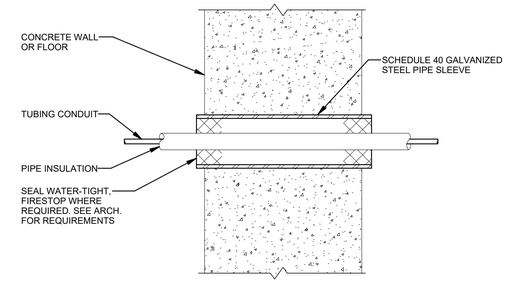
SHEET NUMBER: M50-2



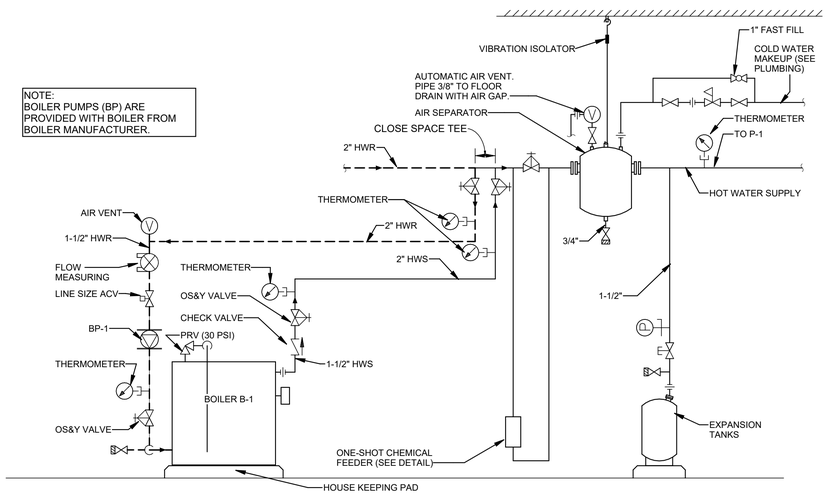
B1 RADIANT FLOOR MANIFOLD
NO SCALE



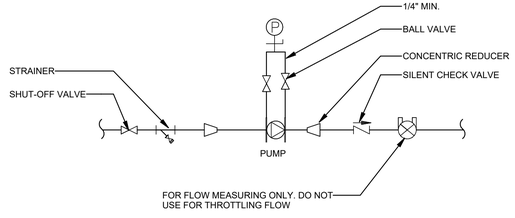
B2 RADIANT FLOOR SLAB
NO SCALE



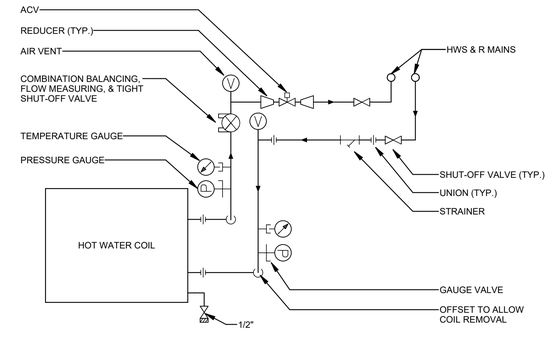
B4 TYPICAL WALL OR FLOOR SLEEVE
NO SCALE



A1 TYPICAL CONDENSING BOILER PIPING
NO SCALE



A3 IN LINE PUMP
NO SCALE



A4 AHU COIL PIPING-2 WAY
NO SCALE

Scale:
1/8" = 1'-0"

No.	Revision	By	Date

Designed by:

DAVID STORY, P.E.
ISSUED FOR BID

STATE OF MAINE · DAVID W. STORY · No. 12853 · LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	MSJ	10-14-2025	Checked:	MSJ	10-14-2025
Drawn:	ERD	10-14-2025			

PROJ.NO: 25116

Harriman

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DETAILS

SHEET NUMBER: M50-3

HOOD INFORMATION – JOB#8138990

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	HOOD CONSTRUCTION	HOOD CONFIG END TO END	ROW
1		3044 BD-2	CAPTIVEAIRE	4' 0"	600 DEG	I	HEAVY	200	800			4"	10"	800	1467	-0.666"	304 SS 100%	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY	TYPE	WIRE GUARD	UTILITY CABINET(S) LOCATION	SIZE	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1		CAPTRATE SOLO FILTER	2	16"	20"	85% SEE FILTER SPEC	1	RECESSED ROUND	NO							YES	202 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1		FIELD WRAPPER 11.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 61.00" HIGH X 50.00" LONG 304 SS VERTICAL.
		LEFT END STANDOFF(FIN/SLP) 1" WIDE 30" LONG INSULATED.
		RIGHT END STANDOFF(FIN/SLP) 1" WIDE 30" LONG INSULATED.
		RIGHT QUARTER END PANEL 20" TOP WIDTH, 0" BOTTOM WIDTH, 20" HIGH 304 SS.
		LEFT QUARTER END PANEL 20" TOP WIDTH, 0" BOTTOM WIDTH, 20" HIGH 304 SS.
		INSULATION FOR TOP OF HOOD.
		INSULATION FOR BACK OF HOOD.
		RISER SENSOR INSTALL 6IN PLEN.
		MIN 18 GAUGE HOOD.

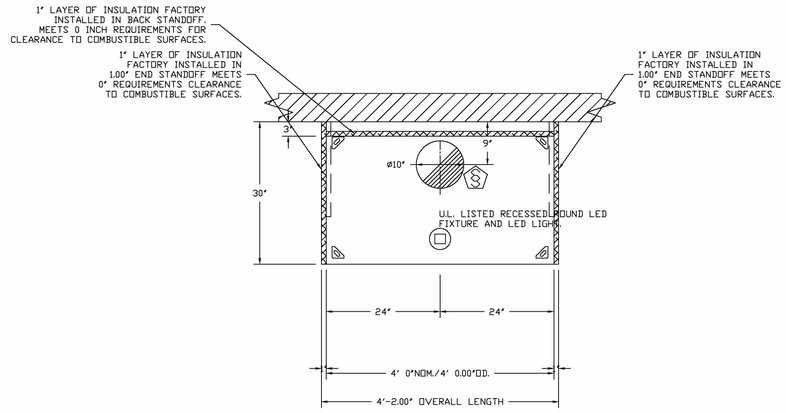
WALL-MOUNT UTILITY CABINET

HOOD NO	LOCATION	SIZE	UTILITY CABINET(S) FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	WEIGHT
1	WALL MNT	12"x36"x30"	TANK FS	4.0	SC-311110MA	1 LIGHT 1 FAN	240.00 LBS

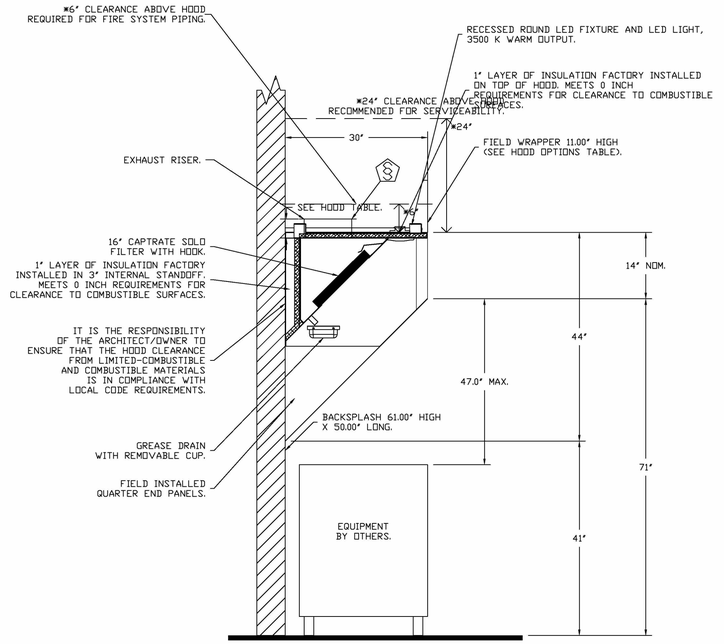
CLEARANCE TO COMBUSTIBLES

HOODS #	SURFACE	*CLEARANCE
1	TOP	0"
	FRONT	0"
	BACK	0"
	LEFT	0"
	RIGHT	0"

- *0" CLEARANCE TO COMBUSTIBLES CONFORMS TO UL710 STANDARD.



PLAN VIEW – HOOD #1
4' 0.00" LONG 3044BD-2



SECTION VIEW – MODEL 3044BD-2
HOOD – #1

Scale:

No.	Revision	By	Date

Designed by:

DAVID STORY, P.E.
ISSUED FOR BID

STATE OF MAINE DAVID W STORY No. 12853 LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	MSJ	10-14-2025	Checked:	MSJ	10-14-2025
Drawn:	ERD	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DETAILS

SHEET NUMBER: M50-4

FIRE SYSTEM INFORMATION – JOB#8138990

FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN FP	INSTALLATION	
						SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0	20	18	WALL UTILITY CABINET LEFT	N/A

GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1		SC ELECTRICAL	0.750	CAPTIVEAIRE SYSTEMS

FIRE SYSTEM PARTS LIST KEY

FIRE SYSTEM NO	TAG	KEY NUMBER – PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1		0 – 0 – TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	0
		0 – 0 – TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	0
		0 – 0 – 12-F28021-32144-OT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F. (A0034310).	1	0
		0 – 0 – 32-00002 QUIK SEAL – 1/2" (UL).	1	0
		0 – 0 – 361091 3/8" BRASS PLUG.	3	0
		0 – 0 – 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	1	0
		0 – 0 – 4429K422 1/2" X 1/4" BRASS REDUCING BUSHING.	1	0
		0 – 0 – 79425 3/8" NPT FEMALE TO 1/2" MALE PROPRESS ADAPTER.	3	0
		0 – 0 – 79525 1/2" 90 PRO-PRESS ELBOW WITH 1/2" NPT FEMALE CONNECTION, VIEGA.	1	0
		0 – 0 – 79580 1/2" X 1/2" PRO-PRESS TEE X 1/2" NPT FEMALE CONNECTION, VIEGA.	1	0
		0 – 0 – 87-300001-001 TANK – PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	1	0
		0 – 0 – 87-300030-001 PRIMARY ACTUATOR KIT (PAK) – ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0
		0 – 0 – 87-300033-001 DIN CONNECTOR, CANFIELD PART #5J560-201-EU0A, TANK FIRE SUPPRESSION, SUBMINATURE SOLENOID CONNECTION (CED VENDOR 30377).	1	0
		0 – 0 – 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	4	0
		0 – 0 – 9055455PC PRO PRESS 1/2 PRESS X PRESS 90 ELBOW LD.	5	0
		0 – 0 – 9097200PC PRO PRESS PC611 1/2 PRESS TEE LD.	2	0
		0 – 0 – 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	2	0
		0 – 0 – A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0
		0 – 0 – A31484 1/4" NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4" FLARE X 1/4" MPT HALF UNION. USED ON TANK SERVICE PORT.	1	0
		0 – 0 – BI145 3/8" BLACK IRON 90 ELL.	2	0
		0 – 0 – DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	1	0
		0 – 0 – SLPCON-30FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN HOODS WITH UPTO 29' GAP. KIT CONTAINS 32 FEET OF BLACK MG WIRE, 32 FEET OF TAN MG WIRE, 30 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	2	0
		0 – 0 – TANK STRAP TANK STRAP – USED FOR TANK FIRE SUPPRESSION.	3	0
		0 – 0 – TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	1	0
		0 – 0 – WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	1	0
		16 – 16 – 79210 1/2" X 3/8" NPT MALE ADAPTER, VIEGA.	4	0
		16 – 16 – OL-F NOZZLE – TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE).	4	0
		26 – 26 – QSA-3/8 QUIK SEAL – 3/8" (UL).	4	0
		34 – 34 – A0034331 RED COLOR – 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT.	1	0

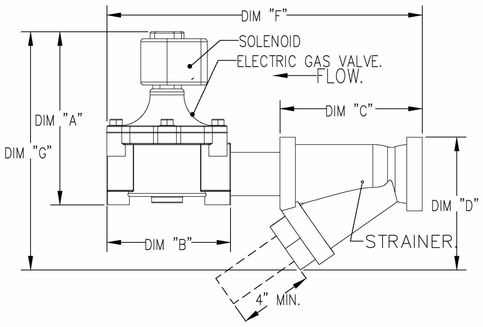
GAS VALVES AND STRAINERS

	GAS VALVE SIZING							GAS VALVE DIMENSIONS						INSTALLATION	PART NUMBERS		
	TYPE	SIZE	VOLTAGE	MIN. INLET PRESSURE	MAX. INLET PRESSURE	FLOW AT 1 IN.W.C. DROP NATURAL GAS	FLOW AT 1 IN.W.C. DROP PROPANE	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "F"	DIM "G"	PIPE ORIENTATION	GAS VALVE PART NUMBER	STRAINER PART NUMBER	GAS VALVE/STRAINER KIT
GAS VALVE FOR FS#1 →	ELECTRICAL	3/4"	120 VAC	0 PSI (0 IN.W.C.)	5 PSI (138 IN.W.C.)	593,200 BTU/HR	384,919 BTU/HR	6-15/16"	5-15/16"	4"	4-1/2"	11-15/16"	9-7/8"	HORIZONTAL/VERTICAL	8214235	4417K64	(SC)EGVA3/4

ELECTRIC GAS VALVES ONLY:SOLENOID ORIENTATION
3/4"-2" 120VAC GAS VALVES CAN BE MOUNTED WITH THE SOLENOID IN ANY POSITION AT OR ABOVE HORIZONTAL.
2 1/2"-3" 120VAC GAS VALVES MUST BE MOUNTED WITH THE SOLENOID VERTICAL AND UPRIGHT.
24VDC GAS VALVES MUST BE MOUNTED WITH THE SOLENOID VERTICAL AND UPRIGHT.

ALL GAS VALVES/STRAINERS
PROPER CLEARANCE MUST BE PROVIDED IN ORDER TO SERVICE THE STRAINERS A MINIMUM OF 4" CLEARANCE DISTANCE MUST BE PROVIDED AT THE BASE OF THE STRAINER CUSTOMER MUST VERIFY BTU CONSUMPTION AS WELL AS PRESSURE RATING SPECIFIC GRAVITY OF NATURAL GAS = 0.64, SPECIFIC GRAVITY OF LP = 1.52.

CALCULATIONS
TO CALCULATE GAS FLOW FOR OTHER THAN 1 IN.W.C. PRESSURE DROP
NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP$^{0.5}$
TO CALCULATE GAS FLOW FOR OTHER THAN 0.64 SPECIFIC GRAVITY
NEW BTU/HR = (BTU/HR AT 0.64) X (0.64 / NEW SPECIFIC GRAVITY)$^{0.5}$.



Scale:

No.	Revision	By	Date

Designed by:

DAVID STORY, P.E.
ISSUED FOR BID

STATE OF MAINE · DAVID W. STORY · No. 12853 · LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	MSJ	10-14-2025	Checked:	MSJ	10-14-2025
Drawn:	ERD	10-14-2025			

Harriman

PROJ.NO: 25116

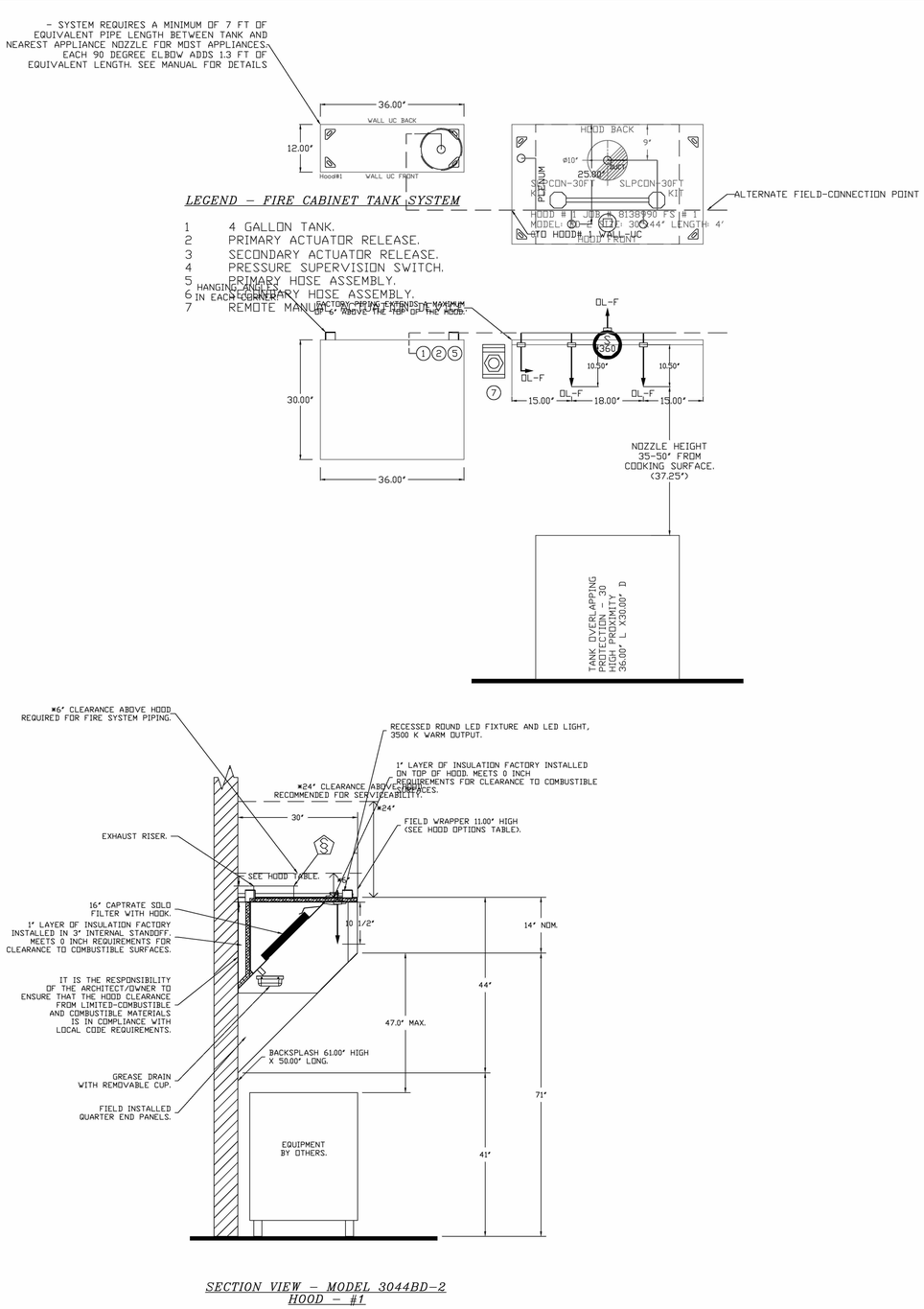
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DETAILS

SHEET NUMBER: M50-5



SECTION VIEW – MODEL 3044BD-2 HOOD – #1

NOTES
- FIELD PIPE DROPS AS SHOWN
  PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

- OL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

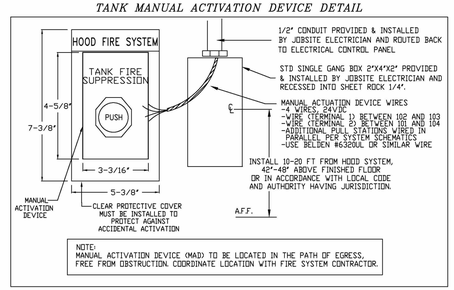
JOB #: 8138990.
JOB NAME: MTA CROSBY BUILDING R2.

SYSTEM SIZE: TANK-SP-1-WC DESIGN FP: 18. MAXIMUM FP: 20.
HOOD # 1 4' 0.00" LONG x 30" WIDE x 44" HIGH.
RISER # 1 SIZE: 10" DIA.
HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

AGENT DISTRIBUTION PIPING LIMITATIONS	
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10

TANK MANUAL ACTIVATION DEVICE DETAIL



INCLUDES: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY IN THE LOCATION NOTED ABOVE, TWO SITE VISITS ONLY (ONE VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR ONE TEST; ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES), ONE MECHANICAL OR ELECTRICAL GAS VALVE PER SYSTEM AT A MAXIMUM SIZE OF 2", PERMIT, AND SYSTEM TEST.
EXCLUDES: UNION LABOR & PREVAILING WAGE (LABOR & WAGES WILL BE ADDED IF APPLICABLE), GAS VALVE INSTALLATION, ELECTRICAL HOOKUP AND CONNECTIONS, HANGING OF FIRE CABINET, SHUNT TRIP, HANDHELD EXTINGUISHER(S), ON-SITE RE-PIPING DUE TO EQUIPMENT LAYOUT CHANGES.

Scale:

No.	Revision	By	Date

Designed by:

DAVID STORY, P.E.
ISSUED FOR BID

STATE OF MAINE DAVID W. STORY No. 12853 LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	MSJ	10-14-2025	Checked:	MSJ	10-14-2025
Drawn:	ERD	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DETAILS

SHEET NUMBER: M50-6

EXHAUST FAN INFORMATION – JOB#8138990

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1		1	USBI11DD-RM	CAPTIVEAIRE	800	1.000	1594	TEAO-ECM	1.000	0.2640	1	115	11.6	853 FPM	232	9.6

DOAS/RTU FAN SCHEDULE – JOB#8138990

FAN INFORMATION											ELECTRICAL INFORMATION					GAS HEAT INFORMATION					NOTES
FAN UNIT NO	TAG	QTY	DOAS/RTU MODEL #	MANUFACTURER	BLOWER	RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	WEIGHT (LBS)	ESP	HP	PHASE	VOLT	MCA	MOCP	GAS TYPE	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	
2		1	CAS-HVAC1-I.100-15-MPU	CAPTIVEAIRE	15P-1	0	800	800	976	0.500	1.00	3	208	7.3A	15A	LP	90989	73701	75°F	11 IN. W.C. LP - 14 IN. W.C.	1,2,3,4,5,6,7,8

NOTES:
1. DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE
2. INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER
3. FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY, 25 YEAR WARRANTY ON STAINLESS STEEL HEAT EXCHANGER
4. 81% EFFICIENT FURNACE, WITH MODULATING INDUCER TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY ACROSS FIRING RANGE. 6:1 TURNDOWN WITH NG AND 5:1 TURNDOWN WITH LP
5. SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE
6. 1" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-4.3 INSULATION-MINIMUM 24GA EXTERIOR W/ 18GA BASE
7. SIDE DISCHARGE/NO RETURN
8. SCCR RATING OF 10kAMP

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1		YES						

FAN SOUND DATA

FAN UNIT NO	TAG	MOTOR	SOUND DATA			OCTAVE BAND SOUND DATA							
			LWA	SONES @ 5 FT	DBA @ 5 FT	DISTANCE (FT)	63 HZ	125 HZ	250 HZ	500 HZ	1 KHZ	2 KHZ	4 KHZ	8 KHZ
1		EXHAUST	72.1	9.592409507148785	60.6	5	69.4	76.8	74.2	70.4	66.2	61.1	55.1	49.1

UNIT SOUND DATA

FAN UNIT NO	TAG	MOTOR	SOUND DATA			OCTAVE BAND SOUND DATA							
			LWA	SONES @ 5 FT	DBA @ 5 FT	DISTANCE (FT)	63 HZ	125 HZ	250 HZ	500 HZ	1 KHZ	2 KHZ	4 KHZ	8 KHZ
2		SUPPLY	80.4	19.5	70.1	5	81.8	81.6	78.1	75.4	75.7	72.2	69.6	71.6

Note: Sound data across operational range. Tested in accordance to AHRI Standard 270/370.

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1		1	BI11 - INLET SERVICE DUCT CONNECTION. USED TO CONNECT TO STANDARD 12" GREASE DUCT OR FIELD WELDED DUCT. INCLUDES (2) 7" RISERS BOLTED TO STANDARD INLET RISER
		1	UTILITY SET GREASE CUP
		1	BI11 - INLET CONNECTION STANDARD 12" FLANGED GREASE DUCT
		1	FULL CRATING FOR EXHAUST FANS
		1	3 YEAR EXTENDED MOTOR WARRANTY
		1	BI - DISCHARGE ORIENTATION HORIZONTAL UPPER RIGHT - CW INLET SIDE
		1	BI11 - 12" DISCHARGE ADAPTER
		1	UTILITY SET - SPRING VIBRATION ISOLATORS - BI11 THRU BI15 / EQUIVALENT SIZED UTILITY SET - INDOOR/OUTDOOR USE
		1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
2		1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE
		1	COOLING OVERRIDE
		1	RTU BLOWER DOOR SWITCH
		1	2" MERV 13 FILTERS FOR RTU1 (QTY. 4)
		1	2" MERV 8 FILTERS FOR RTU1 (QTY. 4)
		1	TOTAL CFM MONITORING
		1	INTAKE FIRESTAT SET TO 135°F
		1	FREEZESTAT
		1	DISCHARGE FIRESTAT SET TO 240°F
		1	RTU HEATED FURNACE CONDENSATE DRAIN KIT. REQUIRED FOR WINTER DESIGN TEMP OF 0 DEGREES F AND LOWER
		1	CONTROL PANEL ENCLOSURE HEATER 100W - RECOMMENDED FOR WINTER DESIGN TEMPERATURES LESS THAN 0°F
		1	SIZE 1 RTU NO COOLING OPTION
		1	RTU1 IBT DEDICATED COMBUSTION CONNECTION. FOR USE WITH INDOOR MOUNTED UNITS
		1	RTU1 IBT FLUE 5" DUCT DISCHARGE CONNECTION. FOR USE WITH INDOOR MOUNTED UNITS
		1	2" METAL MESH FILTERS FOR RTU1 OUTDOOR INTAKE
		1	RTU1 SIDE DISCHARGE
		1	24VAC FIRE INPUT
		1	RTU1 INDOOR HANGING. NO DX COOLING
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
		1	CLOGGED FILTER SWITCH - NOTIFICATION ON HMI
		1	RTU1 CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J BOX
		1	VAV PACKAGE W/ 0-10VDC INPUT CONTROL (571 VFD INCLUDED)
		1	RTU FIXED 100% OA INTAKE CONTROL
		1	RTU1 NO RETURN - 100% OA - MPU
		1	OCCUPIED SCHEDULING
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE
		1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)
		1	EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET

HMI SCHEDULE				
UNIT NUMBER	HMI #	HMI LOCATION	TEMP AVERAGING	MODBUS ADDRESS
FAN #2	HMI #1 - UNIT	IN UNIT	NOT AVERAGED	55

Scale:

No.	Revision	By	Date

Designed by:

DAVID STORY, P.E.
ISSUED FOR BID

STATE OF MAINE DAVID W. STORY No. 12653 LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	MSJ	10-14-2025	Checked:	MSJ	10-14-2025
Drawn:	ERD	10-14-2025			

PROJ.NO: 25116

Harriman

MAINE TURNPIKE

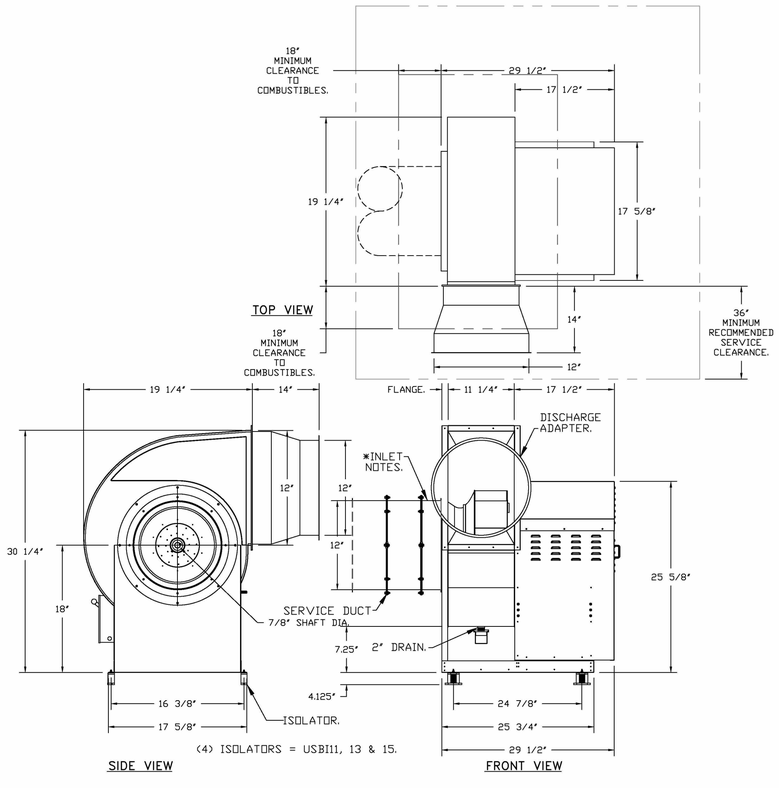
THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DETAILS

SHEET NUMBER: M50-7

FAN #1 USBI11DD-RM - EXHAUST FAN



FEATURES:

- ROOF MOUNTED FANS.
- UL705.
- UL762 AND ULC-S645 (RESTAURANT MODEL).
- HIGH HEAT OPERATION DIRECT DRIVE 350°F (176°C).
- HEAT SLINGER.
- NEMA 3R SAFETY DISCONNECT SWITCH.
- GREASE CLASSIFICATION TESTING.
- 2" DRAIN.
- MOTOR WEATHER COVER.
- FULLY SEALED SCROLL HOUSING.
- SCROLL ACCESS DOOR.
- FLANGE 1 1/4".

OPTIONS

- BI11 - INLET SERVICE DUCT CONNECTION. USED TO CONNECT TO STANDARD 12" GREASE DUCT OR FIELD WELDED DUCT. INCLUDES (2) 7" RISERS BOLTED TO STANDARD INLET RISER.
- UTILITY SET GREASE CUP.
- BI11 - INLET CONNECTION STANDARD 12" FLANGED GREASE DUCT.
- FULL CRATING FOR EXHAUST FANS.
- 3 YEAR EXTENDED MOTOR WARRANTY.
- BI - DISCHARGE ORIENTATION HORIZONTAL UPPER RIGHT - CW INLET SIDE.
- BI11 - 12" DISCHARGE ADAPTER.
- UTILITY SET - SPRING VIBRATION ISOLATORS - BI11 THRU BI15 / EQUIVALENT SIZED UTILITY SET - INDOOR/OUTDOOR USE.
- ECM WIRING PACKAGE - PWM SIGNAL FROM ECPMI3 PREWIRE (TELCO MOTOR), CCW ROTATION.
- 2 YEAR PARTS WARRANTY.

FAN#:

Scale:

No.	Revision	By	Date

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DAVID STORY, P.E.
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STATE OF MAINE DAVID W STORY No. 12653 LICENSED PROFESSIONAL ENGINEER

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PROJ.NO: 25116

Harriman

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

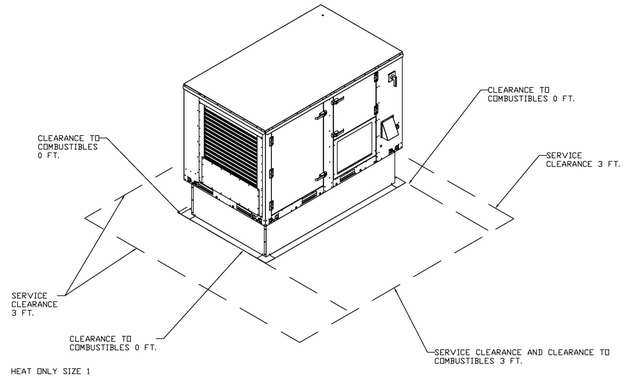
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DETAILS

SHEET NUMBER: M50-8

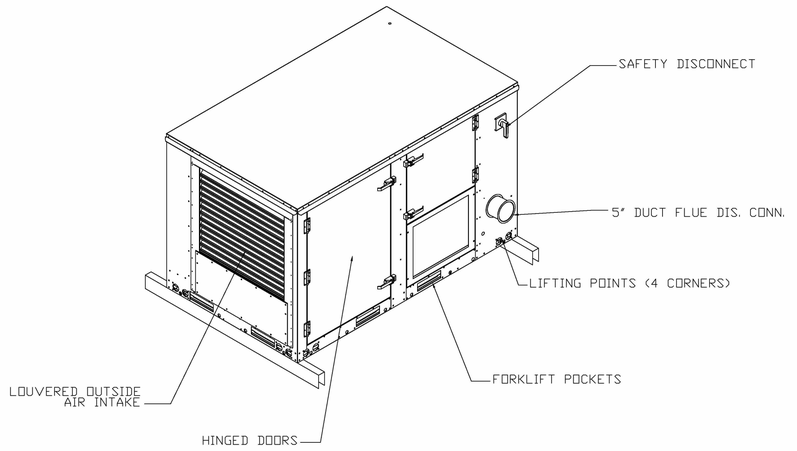
FAN #2 CAS-HVAC1-I.100-15-MPU - HEATER

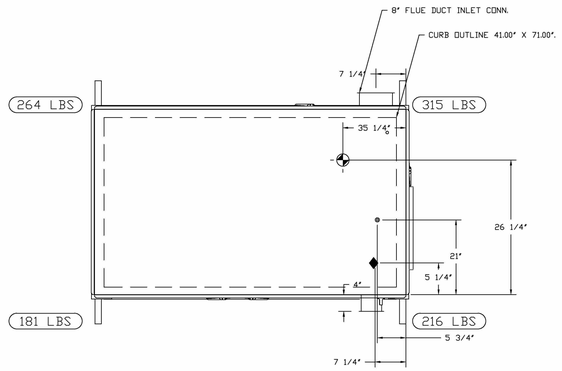
NOTES:
1. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.
2. DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
3. FLOOR MOUNT ISOLATORS LOCATED 1" FROM END OF BASE IN EITHER DIRECTION. ACCOUNT FOR AN ADDITIONAL 5" FOR ISOLATOR HEIGHT.
4. QUANTITIES SUBJECT TO CHANGE DEPENDING ON FILTER TYPES.
5. ONLY APPLICABLE FOR INDIRECT HEAT, HOT WATER COIL, OR ELECTRIC HEAT CONFIGURATIONS.
6. DIMENSIONS HD1, HD2, GIHE1, AND GIHE2 APPLY ONLY FOR HIGH EFFICIENCY FURNACES, FD1, FD2, FI1, AND FI2 APPLY ONLY FOR STANDARD EFFICIENCY FURNACES.
7. EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET.

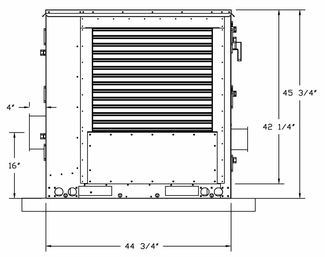


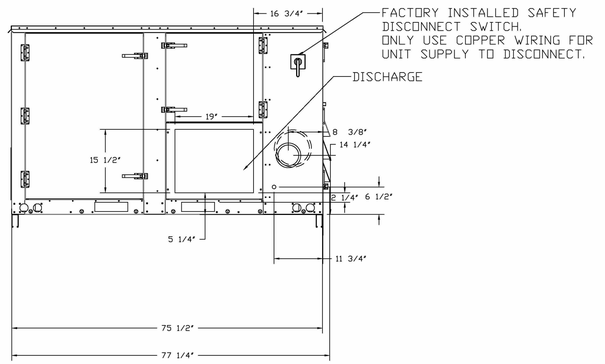
HEAT ONLY SIZE 1

*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.
SUGGESTED STRAIGHT DUCT SIZE IS 15.5" x 19.25".

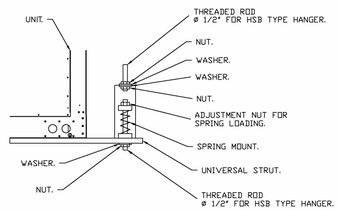








TYPICAL RTU INDOOR HANGING INSTALLATION:
NOTE: TWO HANGERS PER UNIVERSAL STRUT.



Scale:

No.	Revision	By	Date

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DAVID STORY, P.E.
ISSUED FOR BID

STATE OF MAINE DAVID W. STORY No. 12853 LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	DWS	10-14-2025	Checked:	DWS	10-14-2025
Drawn:	ERD	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DETAILS

SHEET NUMBER: M50-9

AIR HANDLER SCHEDULE (PART I)

UNIT				SUPPLY FAN											RETURN/RELIEF FAN									FILTER			
										ELECTRICAL									ELECTRICAL					PRIMARY			
TAG	MANUFACTURER	MODEL	SERVICE	MINIMUM OUTSIDE AIR (CFM)	AIR FLOW (CFM)	QTY.	TYPE	ESP (IN.WG)	TSP (IN.WG)	POWER (HP)	BRAKE POWER (BHP)	VOLTAGE	PHASE	AIR FLOW (CFM)	QTY.	TYPE	ESP (IN.WG)	TSP (IN.WG)	POWER (HP)	BRAKE POWER (BHP)	VOLTAGE	PHASE	MERV RATING	DEPTH (INCHES)	AREA (SF)	NOTES
AHU-1	TRANE	CSAA004	SEE PLANS	225	1650	1	DIRECT DRIVE	1	2.5	1.5	1.035	208	3	1650	1	DIRECT DRIVE	0.5	0.88	1	0.884	208	3	13	2	8.89	
AHU-2	TRANE	CSAA004	SEE PLANS	500	2550	1	DIRECT DRIVE	1	3.46	3	2.38	208	3	2550	1	DIRECT DRIVE	0.5	1.42	1.5	1.399	208	3	13	2	8.89	

AIR HANDLER SCHEDULE (PART II)

UNIT	DX COIL										HOT WATER HEATING COIL											UNIT GEOMETRY				
	AIR										AIR				WATER							DIMENSIONS				
TAG	TOTAL CAPACITY	SENSIBLE CAPACITY	EDB	EWB	LDB	LWB	APD	REFRIGERANT	ROWS	FINS PER FOOT	CAPACITY (MBH)	EDB (DEG.F)	LDB (DEG.F)	APD (IN.WG)	WATER FLOW (GPM)	WATER TYPE (GLYCOL % - TYPE)	EWT (DEG.F)	LWT (DEG.F)	WPD (FT.HD)	ROWS	FINS PER FOOT	HEIGHT (IN)	LENGTH (IN)	WIDTH (IN)	WEIGHT (LBS)	NOTES
AHU-1	68.55	46.47	80	67	45	35	0.606	R-454B	6	142	54	60	90	0.17	5.4	WATER	140	120	0.17	2	90	61.5	131	44	1931	
AHU-2	105.09	69.92	80	67	55	54	1.006	R-454B	6	117	111	50	90	0.27	11.1	WATER	140	120	0.63	2	131	61.5	134	44	1991	

CONDENSING UNIT SCHEDULE

UNIT														ELECTRICAL				UNIT GEOMETRY				
																		DIMENSIONS				
TAG	MANUFACTURER	MODEL	SERVICE	NOMINAL CAPACITY (TONS)	CAPACITY (MBH)	SST (DEG.F)	AMBIENT TEMP (DEG.F)	REFRIGERANT TYPE	STAGES	COMPRESSOR QTY	CIRCUIT QTY	COMPRESSOR RLA EACH	FAN QTY	FAN FLA (EACH)	VOLTS	PHASE	MCA	MOPD	HEIGHT (IN)	LENGTH (IN)	WIDTH (IN)	WEIGHT (LBS)	NOTES
CU-1	TRANE	TTA120K3DAA	AHU-1	10	120			R-454B	2	2	2	16.1	1	4.3	208	3	42	50	39	52	38	404	
CU-2	TRANE	TTA072K3AAA	HU-2A	6	72			R-454B	1	1	1	21.8	1	2.3	208	3	31	50	39	42	35	288	

EXHAUST FAN SCHEDULE

TAG	MANUFACTURER	MODEL	SERVICE	AIRFLOW (CFM)	ESP (IN.WG)	RPM	POWER (HP)	BRAKE POWER (BHP)	DRIVE TYPE	OUTLET VELOCITY (FPM)	DAMPER	SOUND (SONES)	ELECTRICAL		FAN GEOMETRY				NOTES
													VOLTAGE	PHASE	DIMENSIONS				
															HEIGHT (IN)	LENGTH (IN)	WIDTH (IN)	WEIGHT (LBS)	
EF-1	CAPTIVEAIRE	USBI11DD-RM	KH-1	800	1	1594	1	0.27	DIRECT	853	NO	9.6	115	1	30-1/4	20-1/4	29-1/2	232	
EF-2	GREENHECK	SQ-95-VG	SEE PLANS	850	0.5	1386	.250	0.13	DIRECT	649	NO	7.4	115	1	17	21	17	55	
EF-3	GREENHECK	SQ-90-VG	A114 - BUILDING SERVICES	300	0.5	1523	0.1	0.06	DIRECT	300	NO	7.18	115	1	15	16	15	35.6	

HYDRONIC UNIT HEATER SCHEDULE

TAG	MANUFACTURER	MODEL	SERVICE	CAPACITY (MBH)	AIR FLOW (CFM)	HOT WATER COIL				ELECTRICAL		UNIT GEOMETRY				NOTES
						FLOW (GPM)	EWT (DEG.F)	LWT (DEG.F)	WPD (FT-HD)	PHASE	VOLTAGE	DIMENSIONS			WEIGHT (LBS)	
												HEIGHT (IN)	LENGTH (IN)	WIDTH (IN)		
UH-1	TRANE	UHSB024	ATTIC	9.9	450	1.8	140	120	0.014	1	120	18	14-5/8	9-3/8	30	
UH-2	TRANE	UHSB024	ATTIC	9.9	450	1.8	140	120	0.014	1	120	18	14-5/8	9-3/8	30	
UH-3	TRANE	UHSB024	ATTIC	9.9	450	1.8	140	120	0.014	1	120	18	14-5/8	9-3/8	30	
UH-4	TRANE	UHSB024	ATTIC	9.9	450	1.8	140	120	0.014	1	120	18	14-5/8	9-3/8	30	
UH-5	TRANE	UHSBA08	ATTIC	4.6	245	0.8	140	120	0.80	1	120	16	18	9.5	22	

CABINET UNIT HEATER SCHEDULE

TAG	MANUFACTURER	MODEL	SERVICE	CAPACITY (MBH)	AIR FLOW (CFM)	ESP (IN.WG)	HOT WATER COIL				ELECTRICAL			NOTES
							FLOW (GPM)	EWT (DEG.F)	LWT (DEG.F)	WPD (FT.HD)	FAN POWER (WATTS)	VOLTAGE	PHASE	
CUH-1	TRANE	FFHB030	A101 - VESTIBULE	9.4	175	0	0.9	140	120	4.2	31	115	1	
CUH-2	TRANE	FFHB030	A115 - UTILITY VESTIBULE	8.2	150	0	0.8	140	120	3.3	25	115	1	

EXPANSION TANK SCHEDULE

TAG	MANUFACTURER	MODEL	SERVICE	VOLUME (GAL.)	ESTIMATED SYSTEM VOLUME (GAL.)	MIN TEMP (DEG.F)	MAX TEMP (DEG.F)	UNIT GEOMETRY			NOTES
								DIMENSIONS			
								DIAMETER (IN)	HEIGHT (IN)	WEIGHT (LBS)	
ET-1	TACO	CA90-125	BOILER	23		44	140	16	29	120	

Scale:			
No.	Revision	By	Date

Designed by:

DAVID STORY, P.E.
ISSUED FOR BID

	By	Date		By	Date
Designed:	MSJ	10-14-2025	Checked:	MSJ	10-14-2025
Drawn:	ERD	10-14-2025			

PROJ.NO: 25116

Harriman

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
SCHEDULES

SHEET NUMBER: M60-1

PUMP SCHEDULE

TAG	MANUFACTURER	MODEL	SERVICE	FLOW (GPM)	HEAD (FT.WG)	EFF'Y (%)	SUCTION FLANGE (IN)	DISCHARGE FLANGE (IN)	MOTOR CONTROL	RPM	ELECTRICAL			NOTES
											POWER (WATTS)	VOLTAGE	PHASE	
P-1	GRUNDFOS	MAGNA3 50-180	BOILER	30	38	36.4	2	2	VFD	4680	794	115	1	

LOUVER SCHEDULE

TAG	MANUFACTURER	MODEL	AIR FLOW (CFM)	MIN. FREE AREA (SQ.FT)	APD (IN.WG)	VELOCITY (FPM)	GEOMETRY			BLADES		FINISH	NOTES
							HEIGHT (FT - IN)	WIDTH (FT - IN)	DEPTH (FT - IN)	SPACING (IN.)	ANGLE (DEG)		

GAS BOILER SCHEDULE

TAG	MANUFACTURER	MODEL	SERVICE	FUEL TYPE	INPUT (MBH)	OUTPUT (MBH)	FLOW (GPM)	ELECTRICAL			NOTES
								POWER (HP)	VOLTAGE	PHASE	
B-1	WEIL MCLAIN	EVERGREEN PRO 220	A114 - BUILDING SERVICES	LP	220	179	20	120	120	1	

RADIANT MANIFOLD SCHEDULE

TAG	MANUFACTURER	ROOM NUMBER	BTU/SQ.FT	AREA (SQ.FT)	CAPACITY (BTU)	FLOW (GPM)	WPD (FT.WG)	FLOOR MATERIAL	DIMENSIONS			NOTES
									WIDTH (IN)	LENGTH (IN)	HEIGHT (IN)	
RFM-1	WATTS	SEE PLANS	20	1921	38420	4.4	2.9	POLISHED CONCRETE	4-1/2	40	29-1/2	
RFM-2	WATTS	SEE PLANS	20	1850	37000	4.3	2.7	POLISHED CONCRETE	4-1/2	24	29-1/2	
RFM-3	WATTS	SEE PLANS	20	1160	23200	2.7	2.6	POLISHED CONCRETE	4-1/2	24	29-1/2	
RFM-4	WATTS	SEE PLANS	20	720	14400	1.7	1.5	POLISHED CONCRETE	4-1/2	24	29-1/2	

MANIFOLD COVERS SHALL BE FACTORY PAINTED WHITE.

REGISTERS, GRILLES & DIFFUSERS SCHEDULE

TAG	MANUFACTURER	MODEL	INLET SIZE SQUARE		DAMPER	MAX NOICE CRITERIA (NC)	MAX STATIC PRESSURE (IN-WG)	FINISH	NOTES
			LENGTH (IN)	WIDTH (IN)					
E1	PRICE INDUSTRIES	80	6	6	NO	25	0.13	WHITE ENAMEL	
E2	PRICE INDUSTRIES	80	8	8	NO	25	0.13	WHITE ENAMEL	
R1	PRICE INDUSTRIES	80	6	6	NO	25	0.13	WHITE ENAMEL	
R2	PRICE INDUSTRIES	80	10	10	NO	25	0.1	WHITE ENAMEL	
R3	PRICE INDUSTRIES	80	12	12	NO	25	0.1	WHITE ENAMEL	
R4	PRICE INDUSTRIES	80	14	14	NO	25	0.1	WHITE ENAMEL	
S1	PRICE INDUSTRIES	SMD	6	6	NO	25	0.1	WHITE ENAMEL	
S2	PRICE INDUSTRIES	SMD	9	9	NO	25	0.1	WHITE ENAMEL	

AIR SEPARATOR SCHEDULE

TAG	MANUFACTURER	MODEL	SERVICE	FLOW (GPM)	PIPE SIZE (IN)	WPD (FT.WG)	DIMENSIONS		NOTES
							DIAMETER (IN)	HEIGHT (IN)	
AS-1	TACO	4902A-125	BOILER	30	2	5	10	16.5	

DUCTLESS AIR CONDITIONER SCHEDULE

TAG	MANUFACTURER	MODEL	TYPE	AIRFLOW		NOMINAL COOLING (TONS)	MAXIMUM COOLING CAPACITY	MINIMUM COOLING CAPACITY	MINIMUM AMBIENT	LIQUID	SUCTION	REFRIGERANT	ELECTRIC		
				MAX	MIN								VOLTS	PHASE	MCA
DAC-1A	TRANE	PUY-AK12NL		1590	0	1	12,200	4,300	-40 °F	1/4"	1/2"		208 V	1	16.0
DAC-1B	TRANE	PKA-AL12NL	Wall Mounted Unit	375	215	1	12,200	4,300	-40 °F	1/4"	1/2"	R454B	208 V	1	

Scale:

No.	Revision	By	Date

Designed by:

DAVID STORY, P.E.
ISSUED FOR BID

STATE OF MAINE · DAVID W. STORY · No. 12653 · LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	MSJ	10-14-2025	Checked:	MSJ	10-14-2025
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THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
SCHEDULES

SHEET NUMBER: M60-2

SPECIFIC CODE NOTES

1. EMERGENCY / LIFE-SAFETY FEEDERS AND BRANCH CIRCUITS SHALL BE RUN IN SEPARATE DEDICATED RACEWAYS, BOXES AND ENCLOSURES - SEPARATE FROM NORMAL (NON EMERGENCY / LIFE-SAFETY) FEEDER AND BRANCH CIRCUITS.
2. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS (DIVISION 10) FOR RESPONSIBILITIES REQUIRED AT PENETRATIONS IN RATED ASSEMBLIES, INCLUDING BUT NOT LIMITED TO WALLS AND FLOORS WITH A U.L. APPROVED FIRESTOPPING ASSEMBLY INCLUDING LISTING LABEL OF PENETRATION AFTER PASSING THROUGH UTILITY. UTILITY CONTRACTOR SHALL COORDINATE WITH THE FIRESTOPPING CONTRACTOR FOR THE PENETRATION SIZE AND LOCATION.

GENERAL NOTES

1. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND DETAILS. ALERT ARCHITECT WHERE DISCREPANCY EXIST PRIOR TO ROUGH-IN.
2. VERIFY LOCATIONS AND ROUGH-IN REQUIREMENTS OF EQUIPMENT FURNISHED / PROVIDED BY OTHER DIVISIONS AND OWNER PRIOR TO ROUGH-IN.
3. NOT ALL DETAILS ARE SPECIFICALLY REFEREED TO. REVIEW ALL DETAILS ON E70 SERIES DRAWINGS AND APPLY TO THE DOCUMENTS.
4. COORDINATE LOCATION OF ALL MECHANICAL AND PLUMBING (DIVISION 21, 22 AND 23) EQUIPMENT WITH EACH DIVISION PRIOR TO ROUGH-IN.
5. ROOM NAMES AND NUMBERS IN THE CONSTRUCTION DOCUMENTS ARE FOR COORDINATION OF THE CONSTRUCTION DOCUMENTS AND ARE NOT TO BE APPLIED TO NAMEPLATES OR LABELS. REQUEST OWNER DESIGNATED ROOM NAMES AND NUMBERS PRIOR TO GENERATING ANY NAMEPLATES OR LABELS.

ELECTRICAL SYMBOL NOTES

THE LIGHTING FIXTURE TYPE IS INDICATED BY AN UPPER CASE LETTER.
THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER.
THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER.

A 12b — EXAMPLE 1: LIGHTING FIXTURE TYPE "A" IS CONNECTED TO CIRCUIT 12 AND CONTROLLED BY SWITCH "b".

P2Dii * 2aba — EXAMPLE 2: THE FIXTURE TYPE SHOWN AS A NUMERATOR INDICATES ALL LIGHTING FIXTURES IN THE ROOM OR SPACE ARE THE SAME TYPE. THE CIRCUIT NUMBER AND SWITCH DESIGNATION SHOWN AS A DENOMINATOR INDICATES ALL LIGHTING FIXTURES IN THE ROOM/SPACE ARE CONNECTED TO THE SAME CIRCUIT, CONTROLLED BY THE SAME SWITCHES, CENTER/OUTBOARD MULTILEVEL SWITCHING.

E 14 — EXIT LIGHTS. STEM INDICATES WALL MOUNTING. NO STEM INDICATES CEILING MOUNTING. SHADED AREA INDICATES ILLUMINATED FACE(S). ARROW INDICATES DIRECTIONAL ARROW ON ILLUMINATED FACE(S). THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. EXAMPLE: THE WALL MOUNTED EXIT LIGHT TYPE "E" WITH SINGLE FACE AND DIRECTIONAL ARROW IS CONNECTED TO CIRCUIT 14.

16c — DEVICES. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SPLIT DUPLEX RECEPTACLE IS CONNECTED TO CIRCUIT 16 AND ONE RECEPTACLE OUTLET IS CONTROLLED BY SWITCH "c".

$d — THE CONTROL DEVICE DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SINGLE POLE SWITCH "d" TO CONTROL LIGHTING FIXTURES INDICATED BY "d".

D600 $e — WALL BOX DIMMER WITH SIZE AS INDICATED AT DEVICE. EXAMPLE: 600 WATT WALL BOX DIMMER TO CONTROL LIGHTING FIXTURES INDICATED BY "e". SEE SPECIFICATIONS FOR WATTAGE IF NOT INDICATED.

1 1,3,5 — SPECIAL CONNECTIONS. THE EQUIPMENT IS INDICATED BY A NUMBER IN A CIRCLE. SEE THE MOTOR AND EQUIPMENT SCHEDULE FOR THE LOAD DESCRIPTION AND TYPE OF CONNECTION. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE SYMBOL. EXAMPLE: EQUIPMENT NO. 1; 3 PHASE CONNECTION TO CIRCUITS 1, 3, 5.

SF-1 2,4,6 — MOTOR CONNECTIONS. THE MOTOR IS INDICATED BY A NUMBER WITHIN OR CHARACTERS ADJACENT TO THE MOTOR SYMBOL. SEE THE MOTOR AND EQUIPMENT SCHEDULE FOR THE MOTOR DESCRIPTION AND ELECTRICAL REQUIREMENTS. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE SYMBOL. EXAMPLE: MOTOR SF-1; 3 PHASE CONNECTION TO CIRCUITS 2, 4, 6.

7,9 H1 — ELECTRIC HEATER CONNECTIONS. THE HEATER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER "H". SEE THE HEATER SCHEDULE FOR ELECTRICAL REQUIREMENTS. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE HEATER. EXAMPLE: ELECTRIC BASEBOARD HEATER TYPE "H1" CONNECTED TO CIRCUITS 7, 9.

T1 — TRANSFORMERS. THE TRANSFORMER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER "T". SEE THE TRANSFORMER SCHEDULE OR THE SINGLE LINE DIAGRAM FOR THE TRANSFORMER DESCRIPTION AND REQUIREMENTS. EXAMPLE: TRANSFORMER TYPE "T1".

LPN-102 — PANELBOARDS. PANELBOARD DOORS MAY BE SHOWN TO INDICATE OPENING SIDE OF RECESSED PANELBOARDS. SEE PANELBOARD IDENTIFICATION FOR DESIGNATION CODES.

P01 — SPECIAL NOTE. SEE THE SPECIAL NOTES ON THAT SHEET FOR THE NOTE NUMBER INDICATED IN THE HEXIGON.

LPN-1,3,5 — HOME RUN TO BRANCH CIRCUIT PANELBOARD. CIRCUIT BREAKER SIZES (AMPS/NUMBER OF POLES) ARE SHOWN IN THE PANELBOARD SCHEDULE WITH THE CORRESPONDING PANELBOARD AND CIRCUIT DESIGNATION. EXAMPLE: HOME RUN TO PANELBOARD LPN; CIRCUITS 1, 3, 5.

LPN-1 — DEVICE CIRCUIT DESIGNATION, TYPICAL ALL ELECTRICAL DEVICES. CIRCUIT BREAKER SIZES (AMPS/NUMBER OF POLES) ARE SHOWN IN THE PANELBOARD SCHEDULE WITH THE CORRESPONDING PANELBOARD AND CIRCUIT DESIGNATION. EXAMPLE: PANELBOARD LPN; CIRCUIT 1.

LINEWEIGHT INDICATES EXISTING TO REMAIN.

LINEWEIGHT INDICATES NEW WORK.

LINEWEIGHT INDICATES DEMOLISH.

ELECTRICAL SYMBOL LEGEND

HEIGHT AFF	SYMBOL	DESCRIPTION
	LP-1,3	CIRCUIT HOMERUN TO PANELBOARD
		CIRCUIT NUMBER(S)
		PANELBOARD NAME
		WIRING CONCEALED IN WALL OR CEILING
		WIRING IN RACEWAY CONCEALED UNDER FLOOR / UNDERGROUND
		CABLE TRAY WITH FITTINGS AS SHOWN (TYPE AS DENOTED)
		SURFACE MOUNTED RACEWAY.
48"	$	SINGLE POLE SWITCH. WHERE SHOWN SERVING EQUIPMENT, LOCATE ABOVE ACCESSIBLE CEILING DIRECTLY ABOVE EQUIP
48"	$M	SINGLE POLE SWITCH - MOMENTARY STYLE. MOUNT C/L UP 46" UNLESS OTHERWISE NOTED.
48"	$P	SINGLE POLE SWITCH - PILOT LIGHT. MOUNT C/L UP 46" UNLESS OTHERWISE NOTED.
48"	$K	SINGLE POLE SWITCH - KEY OPERATED. MOUNT C/L UP 46" UNLESS OTHERWISE NOTED.
48"	$D	0-10V DIMMER SWITCH. MOUNT C/L UP 46" UNLESS OTHERWISE NOTED.
48"	$3	3-WAY SWITCH. MOUNT C/L UP 46" UNLESS OTHERWISE NOTED.
48"	OS	WALL OCCUPANCY SENSOR AND SWITCH COMBO. MOUNT C/L UP 46" UNLESS OTHERWISE NOTED.
	OS	CEILING OCCUPANCY SENSOR AND POWER PACK. PROVIDE NUMBER OF POWER PACKS REQUIRED
		TO ALLOW FOR NUMBER OF OCCUPANCY SENSORS AND SWITCHING SHOWN
	DS	DAYLIGHT HARVESTING SENSOR - CEILING MOUNTED.
	BATT	EXTERNAL LIGHTING BATTERY / INVERTER UNIT. CEILING OR WALL MOUNTED - SEE DRAWINGS.
	TC	TIME CLOCK LIGHTING CONTROL UNIT.
		EXIT SIGN WITH ARROWS AS INDICATED AND HATCH INDICATING FACE - CEILING MOUNTED
		EXIT SIGN WITH ARROWS AS INDICATED AND HATCH INDICATING FACE - WALL MOUNTED C/L UP 18 " ABOVE DOOR
		LIGHTING FIXTURE W/ EMERGENCY BACKUP (TYP ALL TYPES) TO BE TIED TO INVERTER.
		SURFACE LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
		STRIP LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
		2 x 4 RECESSED LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
		2 x 2 RECESSED LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
AS NOTED		WALL PACK LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
90"		EMERGENCY BATTERY PACK LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
		RECESSED DOWNLIGHT FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
24"		STANDARD DUPLEX RECEPTACLE, WALL MOUNTED UNLESS NOTED WITH "C" FOR CEILING MOUNTING.
24"	USB	DUPLEX RECEPTACLE WITH USB.
	AC	STANDARD DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER.
	AC	GFCI DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER.
24"		GFCI DUPLEX RECEPTACLE
24"		ISOLATED GROUND DUPLEX RECEPTACLE.
24"		CONTROLLED RECEPTACLE.
24"	WP	WEATHER PROOF GFCI DUPLEX RECEPTACLE WITH CLEAR IN-USE COVER.
24"		STANDARD DOUBLE DUPLEX RECEPTACLE
24"	USB	DOUBLE DUPLEX RECEPTACLE WITH USB
	AC	STANDARD DOUBLE DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER.
	AC	GFCI DOUBLE DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER.
24"		GFCI DOUBLE DUPLEX RECEPTACLE
24"		ISOLATED GROUND DOUBLE DUPLEX RECEPTACLE.
24"		DOUBLE DUPLEX CONTROLLED RECEPTACLE
24"	EWC	STANDARD SIMPLEX RECEPTACLE SERVING WATER COOLER.
AS NOTED		GFI SPECIAL KITCHEN RECEPTACLE - COORDINATE NEMA CONFIG. AND MTG HEIGHT WITH EQUIP.
		FLOOR RECEPTACLE. (DUPLEX SHOWN)
		SAFETY DISCONNECT SWITCH (FUSED) - COORDINATE FUSES WITH EQUIPMENT FURNISHED.
		SAFETY DISCONNECT SWITCH (NON-FUSED)
	$T	MOTOR RATED SWITCH WITH TIMER, 0-60 MIN RANGE. VOLTAGE/AMPS AS REQUIRED FOR APPLICATION.
	$TO	MOTOR RATED SWITCH WITH THERMAL OVERLOAD PROTECTION. VOLTAGE/AMPS AS REQUIRED FOR APPLICATION.
	CP	CONTROL PANEL - TYPE AS NOTED ON DRAWINGS.
	J	JUNCTION BOX (WALL MOUNTED)
	J	JUNCTION BOX (CEILING OR FLOOR MOUNTED, AS NOTED)
	M	UTILITY METER. COORDINATE ALL REQUIREMENTS WITH LOCAL UTILITY COMPANY.
		DISTRIBUTION PANELBOARD - 208/120V (SEE PANEL SCHEDULES FOR DETAILS)
	HP	MOTOR - HORSE POWER AND EQUIPMENT SERVED AS NOTED ON PLANS
	AIM	FIRE ALARM ADDESSABLE INPUT MODULE
48"	AOM	FIRE ALARM ADDESSABLE OUTPUT MODULE
48"	FACP	FIRE ALARM CONTROL PANEL
	FANN	FIRE ALARM REMOTE ANNUNCIATOR
	F	FIRE ALARM PULL STATION
94"		FIRE ALARM HORN STROBE (CANDELA POWER PER NFPA 72; 15/75 WHERE NOT OTHERWISE INDICATED)
94"		FIRE ALARM STROBE (CANDELA POWER PER NFPA 72; 15/75 WHERE NOT OTHERWISE INDICATED)
	CR	CARD READER
		WIRELESS ACCESS POINT - OWNER PROVIDED. LOCATED BACKBOX ABOVE CEILING. MAKE ALL FINAL CONNECTIONS.
		CCTV CAMERA
		CCTV CAMERA WITH PAN/TILT DRIVE
	W	FIRE ALARM SPEAKER STROBE - CEILING MOUNTED (CANDELA POWER PER NFPA 72; 15/75 WHERE NOT INDICATED)
		FIRE ALARM HORN STROBE - CEILING MOUNTED (CANDELA POWER PER NFPA 72; 15/75 WHERE NOT INDICATED)
	GD	FIRE ALARM SYSTEM GAS DETECTOR (CEILING)
	CO	FIRE ALARM SYSTEM CARBON MONOXIDE DETECTOR (CEILING)
	HD	FIRE ALARM SYSTEM HEAT DETECTOR (CEILING)
		FIRE ALARM SYSTEM SMOKE DETECTOR (CEILING)
		FIRE ALARM SYSTEM SMOKE DETECTOR (DUCT)
		VOICE AND DATA OUTLET. MOUNT AT MATCHING HEIGHT AS RECEPTACLE UNLESS OTHERWISE NOTED.
	AC	VOICE AND DATA OUTLET - ABOVE COUNTER.
	W	WALL PHONE OUTLET. COORDINATE MOUNTING HEIGHT WITH PHONE UNIT
		AV OUTLET - MOUNTING HEIGHT AS NOTED ON PLANS
	TC	TIME CLOCK

ABBREVIATIONS LIST

1P	1 POLE (2P, 3P, 4P, ETC.)
A	AMPERE
AC	ABOVE COUNTER OR AIR CONDITIONER
AF	AMP FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFI/AFCI	ARC FAULT CIRCUIT INTERRUPTER
AHU	AIR HANDLING UNIT
AIC	APMERE INTERRUPTING CAPACITY
AL	ALUMINUM
ALT	ALTERNATE
AMP	AMPERE
AMPL	AMPLIFIER
ANN	ANNUNCIATOR
ARCH	ARCHITECT, ARCHITECTURAL
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GUAGE
BATT	BATTERY
BLDG	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CAB	CABINET
CATV	COMMUNITY ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
COMB	COMBINATION
CONT	CONTINUATION / CONTINUOUS
CP	CONTROL PANEL
CTR	CENTER
CU	COPPER
DB	DECIBEL
DC	DIRECT CURRENT
DCP	DOMESTIC WATER CIRCULATING PUMP
DET	DETAIL
DISC	DISCONNECT/SAFETY SWITCH
DIST	DISTRIBUTION
DN	DOWN
DWG	DRAWING
EGC	ELECTRICAL GROUND CONDUCTOR
ELEC	ELECTRIC / ELECTRICAL
EM	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
EV	ELECTRIC VEHICLE
EWC	ELECTRIC WATER COOLER
EX / EXIST	EXISTING
EXH	EXHAUST
FA	FIRE ALARM
FACP	FIRE ALARM SYSTEM CONTROL PANEL
FAPS	FIRE ALARM SYSTEM POWER SUPPLY
FCU	FAN COIL UNIT
FC	FOOT CANDLE
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLR	FLOOR
FU	FUSE
FT	FOOT
GA	GAUGE
GALV	GALVANIZED
GEC	GROUND ELECTRODE CONDUCTOR
GEN	GENERATOR
GFI / GFCI	GROUND FAULT INTERRUPTER
GND	GROUND
GWPD / GYP BD	GYPSUM BOARD
HP	HORSEPOWER
HTR	HEATER
HVAC	HEATING, VENTILATING AND AIR-CONDITIONING
IC	INTERRUPTING CAPACITY
IT	INFORMATION TECHNOLOGY
JB	JUNCTION BOX
KCMIL	ONE THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KW	KILOWATT
LTG	LIGHTING
LV	LOW-VOLTAGE
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVER CURRENT PROTECTION
MSBD	MAIN SWITCHBOARD
MTR	MOTOR / MOTORIZED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OH	OVERHEAD
PB	PULL BOX / PUSHBUTTON
PF	POWER FACTOR
PH	PHASE
PNL	PANEL / PANELBOARD
PRI	PRIMARY
PWR	POWER
RCPT	RECEPTACLE
RM	ROOM
SEC	SECONDARY
SHT	SHEET
SPEC	SPECIFICATION
SP	SPARE
SPD	SURGE PROTECTION DEVICE
SYS	SYSTEM
TV	TELEVISION
TYP	TYPICAL
UC	UNDER COUNTER
UE	UNDERGROUND ELECTRICAL
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORY
USB	UNIVERSAL SERIAL BUS
UT	UNDERGROUND TELEPHONE
UTIL	UTILITY
V	VOLT
VA	VOLT-AMPERES
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WH	WATER HEATER
W/O	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER
Δ	DELTA
Y	WYE
'	FEET
"	INCHES
#	NUMBER
Ø	PHASE
&	AND

DEMOLITION NOTES

1. IN AREAS OUT OF THE CURRENT PHASE OF CONSTRUCTION, VERIFY THAT ELECTRICAL POWER AND SYSTEMS ARE NOT AFFECTED BY THE ALTERATIONS. PROVIDE ALL WORK REQUIRED TO MAINTAIN POWER AND PROPER OPERATION OF ALL SYSTEMS.
2. ALL EXISTING ITEMS INTENDED FOR REMOVAL SHALL BE COMPLETELY REMOVED WITH ALL ASSOCIATED HARDWARE INCLUDING, BUT NOT LIMITED TO: CONDUIT, BOXES, WIRING, HAND HOLES. ETC...
3. CONDUIT IN GOOD CONDITION AND PROPERLY LOCATED MAY BE REUSED WHERE APPLICABLE, UNLESS NOTED OTHERWISE.

Scale: As indicated

No.	Revision	By	Date

Designed by:

STATE OF MAINE — CHELSEA L. HADSEL — No. 17097 — LICENSED PROFESSIONAL ENGINEER

CHELSEA HADSEL, P.E.
ISSUED FOR BID

	By	Date		By	Date
Designed:	CLH	10-14-2025	Checked:	CLH	10-14-2025
Drawn:	CLH	10-14-2025			

Harriman

MAINE TURNPIKE

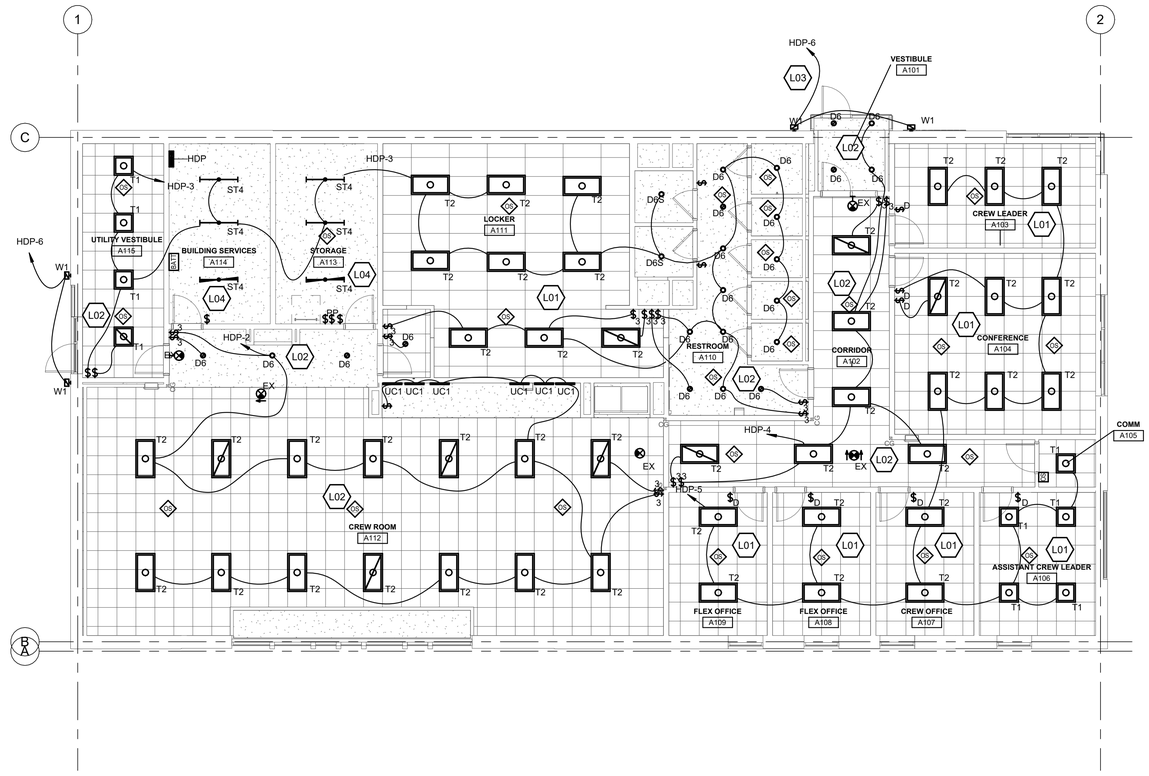
THE GOLD STAR MEMORIAL HIGHWAY

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
SYMBOLS AND ABBREVIATIONS

PROJ.NO: 25116

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

SHEET NUMBER: E00-1



A1 FIRST FLOOR PLAN - LIGHTING

SCALE: 1/8" = 1'-0"

KEY NOTES

L01 PROVIDE OCCUPANT SENSOR CONTROL TO DIM LIGHTS TO NO MORE THAN 50% POWER WITHIN 20 MINS OF ALL OCCUPANTS LEAVING THE SPACE. AUTOMATIC ON TO 50% OF FULL LIGHT LEVEL. MANUAL OVERRIDE AND DIMMING TO BE PROVIDED AT LOCAL SWITCH.

L02 PROVIDE OCCUPANT SENSOR CONTROL TO DIM LIGHTS TO NO MORE THAN 50% POWER WITHIN 20 MINS OF ALL OCCUPANTS LEAVING THE SPACE. AUTOMATIC ON TO 100% OF FULL LIGHT LEVEL. MANUAL OVERRIDE AND DIMMING TO BE PROVIDED AT LOCAL SWITCH. LIGHTS INCLUDED AS A PART OF THE PATH OF EGRESS ARE TO BE ACTIVATED UPON A FIRE ALARM EVENT. PROVIDE AOM MODULE FOR CONNECTION TO THE FIRE ALARM SYSTEM.

L03 PROVIDE HAND/OFF/AUTO SWITCH FOR EXTERIOR LIGHTING CIRCUIT.

L04 EMERGENCY LIGHT IN THIS ROOM TO REMAIN ON.

GENERAL...

1. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH MAXIMUM 6' LONG FLEXIBLE MC WHIP.
2. ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURES UNLESS INDICATED OTHERWISE.
3. SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTING FIXTURES.
4. WIRE COUNTS FOR CIRCUIT CONDUCTORS ARE NOT SHOWN. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUIT AND SWITCHING CONNECTIONS SHOWN,THE SHARING OF NEUTRALS IS PROHIBITED.
5. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.
6. ALL LIGHT FIXTURES DESIGNATED AS EMERGENCY ARE TO BE TIED TO CIRCUIT NOTED IN PANEL SCHEDULE AS INVERTER BACKED. ROUTE CIRCUIT THROUGH INVERTER LOCATED IN ROOM A114 BUIDLING SERVICES.

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by: CHELSEA HADSEL, P.E.
ISSUED FOR BID

STATE OF MAINE CHELSEA L. HADSEL No. 17097 LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
Designed:	CLH	10-14-2025	Checked:	CLH	10-14-2025
Drawn:	CLH	10-14-2025			

Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

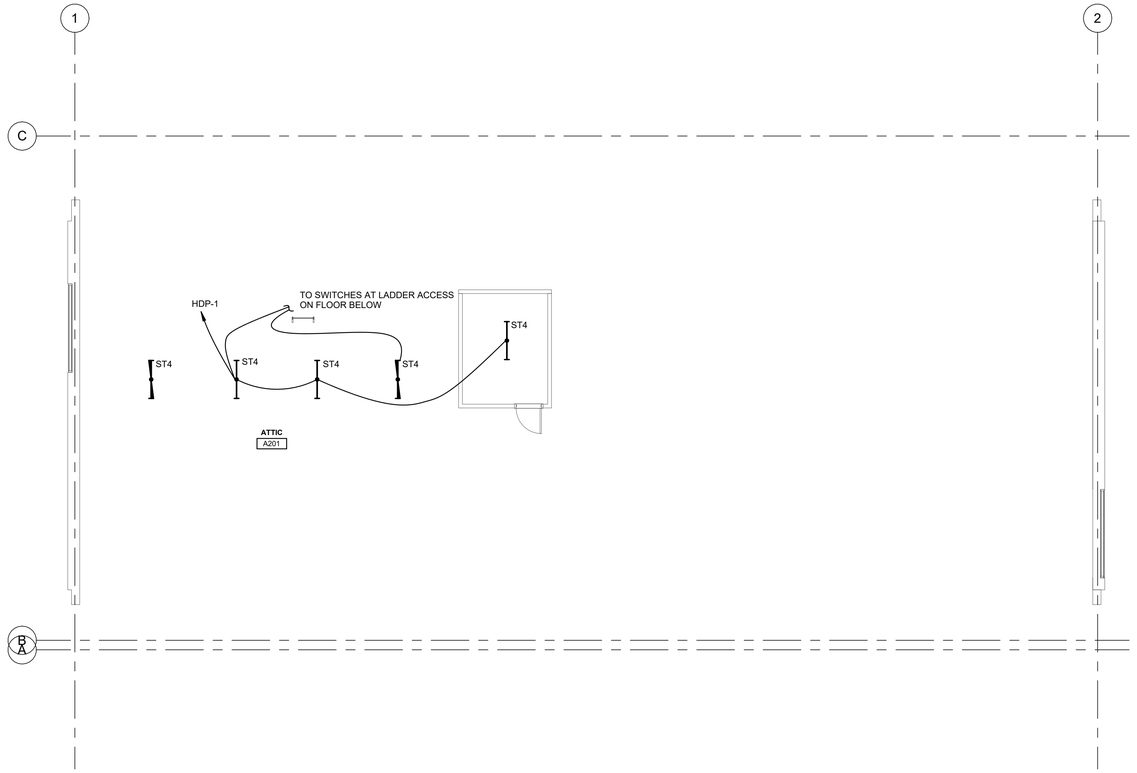
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
FIRST FLOOR PLAN LIGHTING

SHEET NUMBER: E10-1

GENERAL...

1. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH MAXIMUM 6' LONG FLEXIBLE MC WHIP.
2. ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURES UNLESS INDICATED OTHERWISE.
3. SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTING FIXTURES.
4. WIRE COUNTS FOR CIRCUIT CONDUCTORS ARE NOT SHOWN. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUIT AND SWITCHING CONNECTIONS SHOWN.THE SHARING OF NEUTRALS IS PROHIBITED.
5. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.
6. ALL LIGHT FIXTURES DESIGNATED AS EMERGENCY ARE TO BE TIED TO CIRCUIT NOTED IN PANEL SCHEDULE AS INVERTER BACKED. ROUTE CIRCUIT THROUGH INVERTER LOCATED IN ROOM A114 BUIDLING SERVICES.



A1 SECOND FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by:

CHELSEA HADSEL, P.E.
ISSUED FOR BID

STATE OF MAINE CHELSEA L. HADSEL No. 17097 LICENSED PROFESSIONAL ENGINEER

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PROJ.NO: 25116

Harriman

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
SECOND FLOOR PLAN LIGHTING

SHEET NUMBER: E10-2

KEY NOTES

P01 PROVIDE 50% CONTROLLED RECEPTACLES TIED TO LOCAL OCCUPANT SENSOR VIA RELAY.

P02 PROVIDE POWER FOR HEAT TRACE. CONFIRM FINAL CONNECTION LOCATION AND LENGTH OF RUN IF DIVISION 22 AND MANUFACTURER'S DATA.

P04 INDOOR UNIT POWERED FROM OUTDOOR UNIT.

P05 PROVIDE ADDRESSABLE INPUT MODULES FOR CAPTIVEAIRE HOOD ALARM AND SHUTDOWN AND DATA CONNECTION FOR BMS MONITORING. TIE POWER OFF BUTTON TO EXHAUST FAN EF-1 ON FLOOR ABOVE TO CUT POWER TO HOOD.

GENERAL NOTES

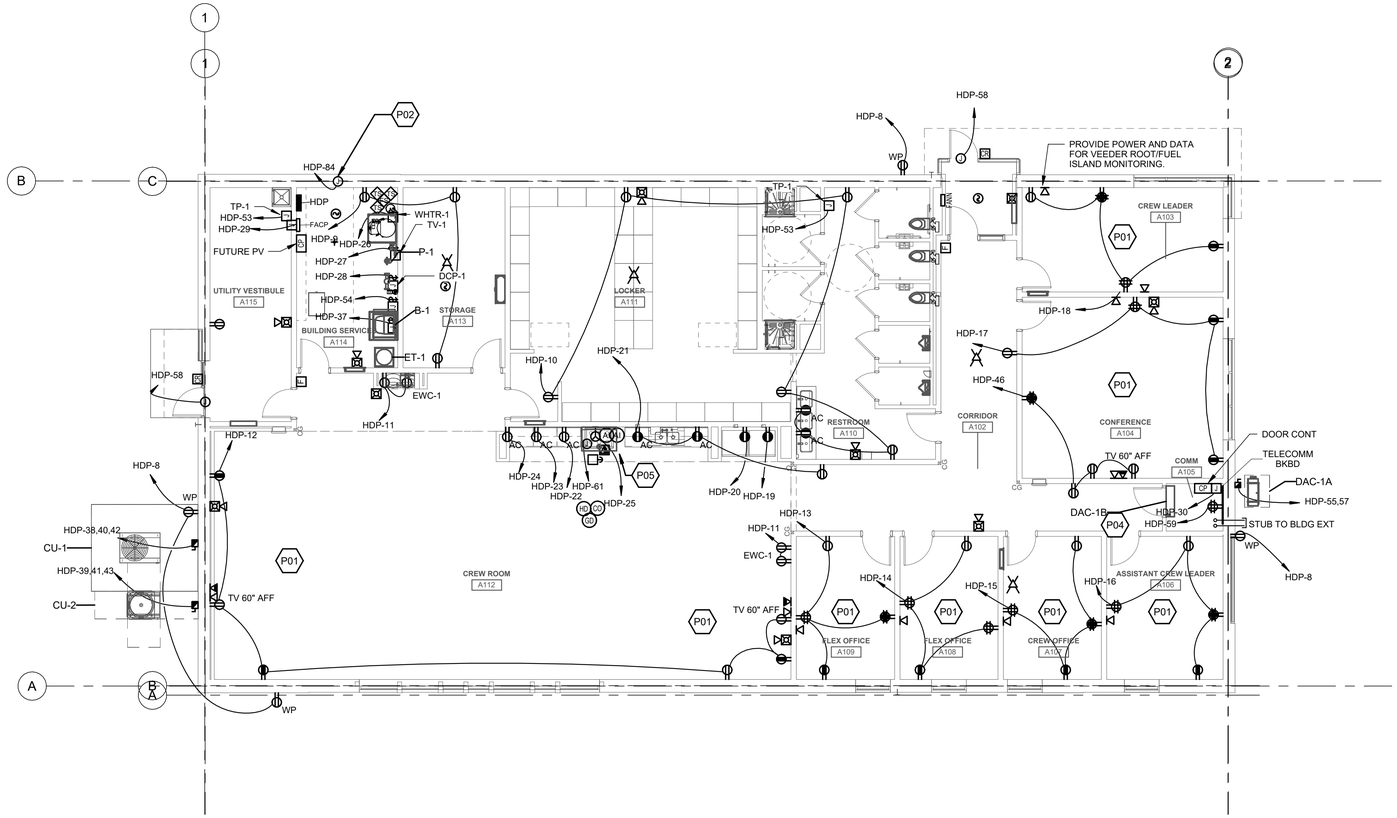
1 WHERE CONNECTED TO A 20A. BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SIMPLEX OR DUPLEX), THE RECEPTACLE SHALL BE RATED AT 20A.

2 PROVIDE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED AND GRADE MOUNTED ELECTRICAL EQUIPMENT. MINIMUM REQUIREMENTS: 4" HIGH, 4% AIR ENTRAINED, POLYFIBER REINFORCED CONCRETE, 4" WIDER AND 4" LONGER THAN EQUIPMENT TO BE PLACED ON IT.

3 MODIFICATIONS TO NUMBER OF CONDUCTORS IN HOME RUNS IN ADDITION TO CIRCUITS INDICATED ON THIS DRAWING ARE PROHIBITED.

4 PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN. THE SHARING OF NEUTRALS IS PROHIBITED.

5 BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.



A1 FIRST FLOOR PLAN - POWER AND SYSTEMS

SCALE: 1/8" = 1'-0"

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by: CHELSEA HADSEL, P.E.

ISSUED FOR BID

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PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

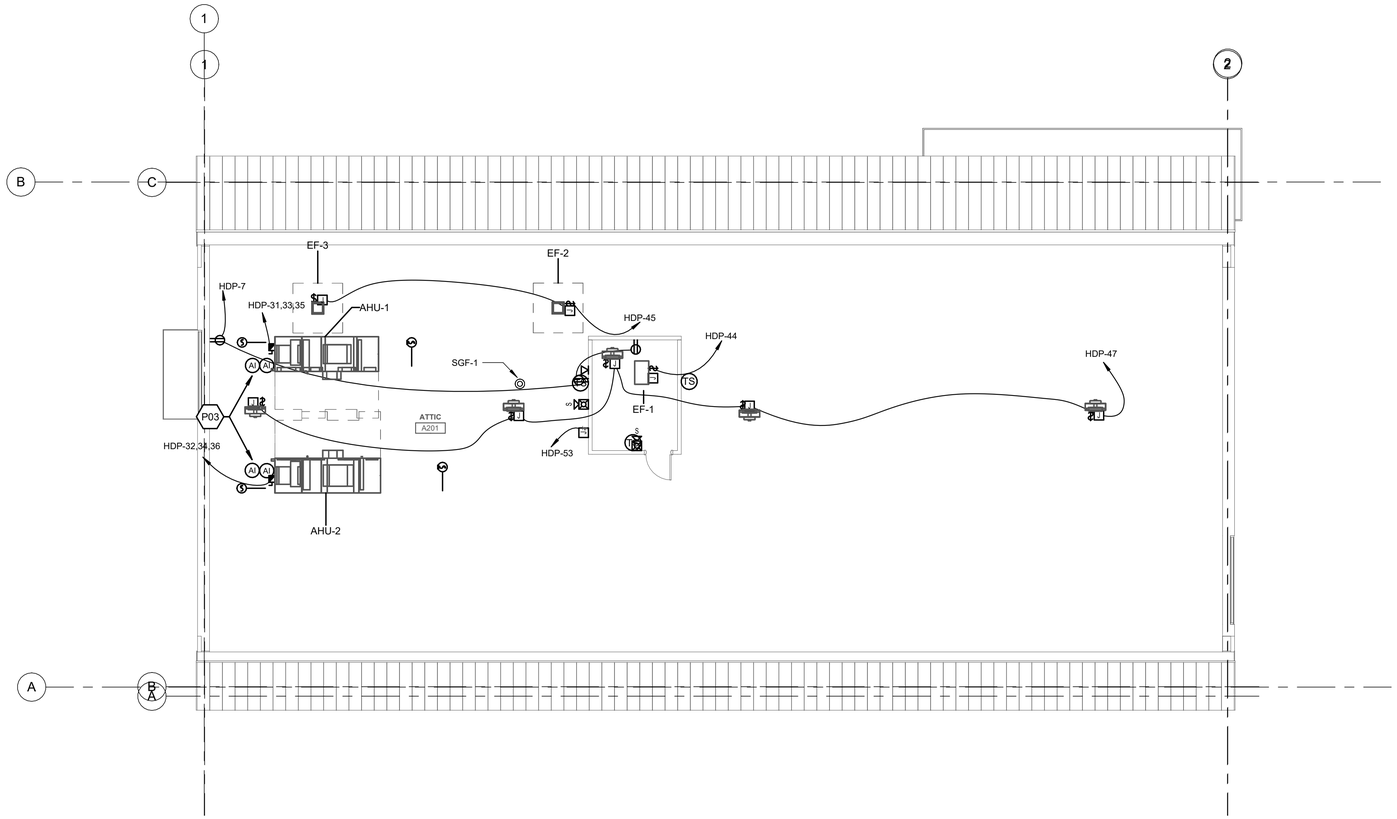
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07

CROSBY MAINTENANCE OFFICE BUILDING

FIRST FLOOR PLAN POWER & SYS.

SHEET NUMBER: E20-1



A1 SECOND FLOOR PLAN - POWER AND SYSTEMS

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1 WHERE CONNECTED TO A 20A. BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SIMPLEX OR DUPLEX), THE RECEPTACLE SHALL BE RATED AT 20A.

2 PROVIDE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED AND GRADE MOUNTED ELECTRICAL EQUIPMENT. MINIMUM REQUIREMENTS: 4" HIGH, 4% AIR ENTRAINED, POLYFIBER REINFORCED CONCRETE. 4" WIDER AND 4" LONGER THAN EQUIPMENT TO BE PLACED ON IT.

3 MODIFICATIONS TO NUMBER OF CONDUCTORS IN HOME RUNS IN ADDITION TO CIRCUITS INDICATED ON THIS DRAWING ARE PROHIBITED.

4 PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN. THE SHARING OF NEUTRALS IS PROHIBITED.

5 BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

KEY NOTES

P03 PROVIDE FIRE ALARM SYSTEM ADDRESSABLE INTERFACE MODULE TO REMOVE POWER FROM (SHUTDOWN) AHU/AHU FAN/S. PROVIDE SECOND ADDRESSABLE INTERFACE MODULE AS REQUIRED TO CLOSE ALL SMOKE DAMPERS ASSOCIATED WITH EACH AHU. COORDINATE QUANTITY AND LOCATIONS WITH DIVISION 23. REFER TO DIVISION 23 DRAWINGS.

Scale: 1/8" = 1'-0"

No.	Revision	By	Date

Designed by:

CHELSEA HADSEL, P.E.
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STATE OF MAINE — CHELSEA L. HADSEL No. 17097 — LICENSED PROFESSIONAL ENGINEER

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MAINE TURNPIKE

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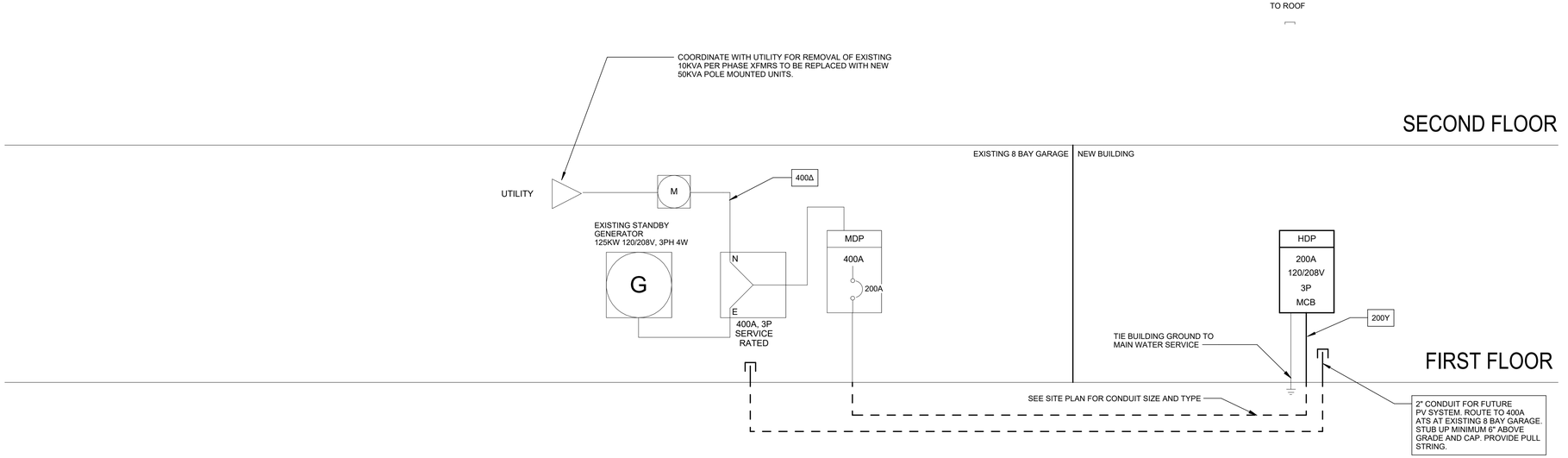
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
SECOND FLOOR PLAN POWER & SYS.

SHEET NUMBER: E20-2

KEY NOTES

FEEDER SCHEDULE: 4 WIRE			
SYMBOL	PHASE CONDUCTOR	EGC	CONDUIT
20Y	(4) #12	(1) #12	3/4"
30Y	(4) #10	(1) #10	3/4"
40Y	(4) #8	(1) #10	1"
50Y	(4) #6	(1) #10	1"
60Y	(4) #4	(1) #10	1-1/4"
70Y	(4) #4	(1) #8	1-1/4"
80Y	(4) #3	(1) #8	1-1/4"
90Y	(4) #2	(1) #8	1-1/2"
100Y	(4) #2	(1) #8	1-1/2"
125Y	(4) #1	(1) #6	2"
150Y	(4) #1/0	(1) #6	2"
175Y	(4) #2/0	(1) #6	2"
200Y	(4) #3/0	(1) #6	2"
225Y	(4) #4/0	(1) #4	2-1/2"
250Y	(4) #250 KCMIL	(1) #4	2-1/2"
300Y	(4) #350 KCMIL	(1) #4	3"
350Y	(4) #500 KCMIL	(1) #3	3"
400Y	(4) #600 KCMIL	(1) #3	4"
500Y	(2) SETS OF (4) #250 KCMIL	(1) #2	(2) 2-1/2"
600Y	(2) SETS OF (4) #350 KCMIL	(1) #1	(2) 3"
800Y	(3) SETS OF (4) #300 KCMIL	(1) #1/0	(3) 3"
1000Y	(3) SETS OF (4) #400 KCMIL	(1) #2/0	(3) 3"
1200Y	(4) SETS OF (4) #350 KCMIL	(1) #3/0	(4) 3"
1600Y	(5) SETS OF (4) #400 KCMIL	(1) #4/0	(5) 3"
2000Y	(6) SETS OF (4) #500 KCMIL	(1) #250 KCMIL	(6) 4"
2500Y	(7) SETS OF (4) #500 KCMIL	(1) #350 KCMIL	(7) 4"
3000Y	(8) SETS OF (4) #500 KCMIL	(1) #400 KCMIL	(8) 4"
4000Y	(10) SETS OF (4) #600 KCMIL	(1) #500 KCMIL	(10) 4"
5000Y	(12) SETS OF (4) #600 KCMIL	(1) #700 KCMIL	(12) 4"



A1 ELECTRICAL RISER DIAGRAM
NO SCALE

Scale: As indicated

No.	Revision	By	Date

Designed by:

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ISSUED FOR BID

STATE OF MAINE CHELSEA L. HADSEL No. 17097 LICENSED PROFESSIONAL ENGINEER

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Harriman

PROJ.NO: 25116

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DIAGRAMS

SHEET NUMBER: E50-1

LIGHTING FIXTURE SCHEDULE

NOTES:
1. ALL FIXTURES SHALL BE FURNISHED COMPLETE WITH ALL HARDWARE, LAMPS, HANGERS, FITTINGS, ETC. FOR A COMPLETE AND PROPER INSTALLATION.

TYPE	DESCRIPTION	LENS	MOUNTING	LAMP	VOLT	WATT	MFR	CATALOG SERIES	NOTES	APPROVED MANUFACTURERS
D6	6" RECESSED LED DOWNLIGHT, 1500 LUMENS, 3500K, MEDIUM / WIDE DISTRIBUTION, CLEAR MATTE REFLECTOR, 0-10 DIMMING DOWN TO 10%, WHITE FLANGE	CLEAR MATTE DIFFUSED	RECESSED	LED	120 V	15 W	GOTHAM	EVO6-35/15-AR-LD-MWD-MVOLT-GZ10-TRW		APPROVED EQUALS
D6S	6" RECESSED LED DOWNLIGHT, 1500 LUMENS, 3500K, MEDIUM / WIDE DISTRIBUTION, CLEAR MATTE REFLECTOR, 0-10 DIMMING DOWN TO 10%, WHITE FLANGE WET LOCATION RATED.	CLEAR MATTE DIFFUSED	RECESSED	LED	120 V	15 W	GOTHAM	EVO6SH-35/15-DFF-SMO-MVOLT-EZ1-SF		APPROVED EQUALS
EX	CONTEMPORARY LED DOUBLE FACED EXIT SIGN WITH BLACK POWDER PAINT ALUMINUM HOUSING, BRUSHED ALUMINUM FACE, RED LETTERS, AND CHEVRON ARROWS AS SHOWN ON PLANS.	RED	UNIVERSAL	LED	120 V	2 W	SIGNIFY	TPE-D-N-U-R-W-IC		APPROVED EQUALS
ST4	4' INDUSTRIAL LED STRIP, 5000 LUMENS, 80CRI, 3500K, SYMMETRIC REFLECTOR, WHITE FINISH.	FROSTED	SURFACE	LED	120 V	41 W	LITHONIA	ZL1D-L48-SMR-5000LM-FST-MVOLT-35K-80CRI-WH-ZACVH M100		APPROVED EQUALS
T1	2'X2' LED VOLUMETRIC TROFFER, 3300 LUMENS, 80CRI, 3500K, 0-10 DIMMING DOWN TO 1%	ACRYLIC LINEAR PRISMATIC	RECESSED	LED	120 V	27 W	LITHONIA	2VTS2 33L ADP MVOLT EZ1 LP835		APPROVED EQUALS
T2	2'X4' LED VOLUMETRIC TROFFER, 4000 LUMENS, 80CRI, 3500K, 0-10 DIMMING DOWN TO 1%	ACRYLIC LINEAR PRISMATIC	RECESSED	LED	120 V	32 W	LITHONIA	2VTS4 40L ADP MVOLT EZ1 LP835		APPROVED EQUALS
UC1	SURFACE MOUNT - 2'-0" UNDERCABINET FIXTURE	FROSTED ACRYLIC	SURFACE	LED	120 V	20 W	LITHONIA	UCEL-12IN-30K-90CRI-SWR-WH		APPROVED EQUALS
W1	SURFACE MOUNT LED WALL PACK, EXTERIOR RATED,WITH BUILT IN PHOTOCELL	FROSTED ACRYLIC	SURFACE	LED	120 V	35 W	LITHONIA	WDGE2 LED-P4-40K-80CRI-VF-MVOLT-SRM-PE-DDBXD		APPROVED EQUALS

Branch Panel: HDP

Location: UTILITY VESTIBULE A115
Supply From: MDP
Mounting: Surface Mounted
Enclosure: Type 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 22kA
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 200 A

Notes: PROVIDE WITH INTEGRAL SPD. CONFIRM COORDINATION OF PANEL MAIN BREAKER WITH UPSTREAM EXISTING BREAKERS.

CKT	Load Name	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Load Name	CKT
1	LIGHTING - ATTIC A201	2#12, 1#12G	20 A	1	126 VA	372 VA		1	20 A	2#12, 1#12G	LIGHTING - CREW ROOM A112	2
3	LIGHTING - LOCK, UTIL, REST,...	2#12, 1#12G	20 A	1	750 VA	175 VA		1	20 A	2#12, 1#12G	LIGHTING - CORR A102	4
5	LIGHTING - OFFICES/CONF RM	2#12, 1#12G	20 A	1			648 VA	614 VA	1	20 A	2#12, 1#12G	LIGHTING - INVERTER -...	6
7	RCPT - ATTIC A201	2#12, 1#12G	20 A	1	540 VA	720 VA			1	20 A	2#12, 1#12G	RCPT - EXTERIOR	8
9	STOR/BLDG SERV - RCPT	2#12, 1#12G	20 A	1	540 VA	1260 VA			1	20 A	2#12, 1#12G	RCPT - REST/LOCKER -...	10
11	WATER COOLERS*	2#12, 1#12G	20 A	1			1480 VA	1080 VA	1	20 A	2#12, 1#12G	RCPT - CREW ROOM A112	12
13	FLEX OFFICE A109 - RCPT	2#12, 1#12G	20 A	1	1080 VA	1080 VA			1	20 A	2#12, 1#12G	RCPT - FLEX OFFICE A108	14
15	CREW OFFICE 1207 - RCPT	2#12, 1#12G	20 A	1		1080 VA	1080 VA		1	20 A	2#12, 1#12G	RCPT - ASST CREW LEAD A106	16
17	RCPT - CONF A104	2#12, 1#12G	20 A	1			900 VA	1080 VA	1	20 A	2#12, 1#12G	RCPT - CREW LEAD A103	18
19	FRIDGE - CREW A112	2#12, 1#12G	20 A	1	180 VA	180 VA			1	20 A	2#12, 1#12G	FRIDGE - CREW A112	20
21	COUNTER RECPT - CREW A112	2#12, 1#12G	20 A	1		540 VA	180 VA		1	20 A	2#12, 1#12G	MICROWAVE - CREW A112	22
23	COFFEE POT - CREW A112	2#12, 1#12G	20 A	1			180 VA	180 VA	1	20 A	2#12, 1#12G	COUNTERTOP RECP - CREW...	24
25	RANGE - CREW A112	2#12, 1#12G	20 A	1	1600 VA	1 VA			1	15 A	2#12, 1#12G	WHTR-1	26
27	TV-1 - BLDG SERVICES A114	2#12, 1#12G	15 A	1		1 VA	0 VA		1	15 A	2#12, 1#12G	DCP-1	28
29	FIRE ALARM CONTROL PANEL**	2#12, 1#12G	20 A	1			2 VA	180 VA	1	20 A	2#12, 1#12G	CONTROL PANEL - COMM A105	30
31					1321 VA	2642 VA							32
33	AHU-1 - A201	4#12, 1#12G	20 A	3		1321 VA	2642 VA		3	30 A	4#10, 1#10G	AHU-2 - A201	34
35							1321 VA	2642 VA					36
37	B-1 - A114	2#12, 1#12G	20 A	1	180 VA	404 VA							38
39						2980 VA	404 VA		3	50 A	4#6, 1#10G	CU-1	40
41	CU-2	4#6, 1#10G	50 A	3			2980 VA	404 VA					42
43					2980 VA	1392 VA			1	20 A	2#12, 1#12G	EF-1	44
45	EF-2 & EF-3 - ATTIC A201	2#12, 1#12G	20 A	1		603 VA	900 VA		1	20 A	2#12, 1#12G	RCPT - CONF A104	46
47	UNIT HEATERS - ATTIC A201	2#12, 1#12G	20 A	1			80 VA	541 VA	2	20 A	2#12, 1#12G	SITE SUMP PUMP	48
49	SPARE		20 A	1	0 VA	541 VA							50
51	SPARE		20 A	1		0 VA	0 VA		1	20 A		SPARE	52
53	TP1 - TRAP PRIMERS	2#12, 1#12G	20 A	1			360 VA	794 VA	1	20 A	3#12, 1#12G	PUMP P-1, BLDG SERVICES...	54
55	DAC-1A, COMM A105	2#12, 1#12G	20 A	2	415 VA	0 VA			1	20 A		SPARE	56
57						415 VA	480 VA		1	20 A	2#12, 1#12G	DOOR CONTROLS	58
59	RCPT - TELE BKBD - COMM A105	2#12, 1#12G	20 A	1			1200 VA	0 VA	1	20 A		SPARE	60
61	KITCHEN HOOD - LTG/CNTL...	2#12, 1#12G	20 A	1	1392 VA	0 VA			1	20 A		SPARE	62
63	SPARE		20 A	1		0 VA	0 VA		1	20 A		SPARE	64
65	SPARE		20 A	1			0 VA	0 VA	1	20 A		SPARE	66
67	SPARE		20 A	1	0 VA	0 VA			1	20 A		SPARE	68
69	SPARE		20 A	1		0 VA	0 VA		1	20 A		SPARE	70
71	SPARE		20 A	1			0 VA	0 VA	1	20 A		SPARE	72
73	SPARE		20 A	1	0 VA	0 VA			1	20 A		SPARE	74
75	SPARE		20 A	1		0 VA	0 VA		1	20 A		SPARE	76
77	SPARE		20 A	1			0 VA	0 VA	1	20 A		SPARE	78
79	SPARE		20 A	1	0 VA	0 VA			1	20 A		SPARE	80
81	SPARE		20 A	1		0 VA	0 VA		1	20 A		SPARE	82
83	SPARE		20 A	1			0 VA	432 VA	1	20 A	2#12, 1#12G	HEAT TRACE	84
		Total Load:			16846 VA	15001 VA	16707 VA						
		Total Amps:			143 A	125 A	141 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
ELEC RANGE - LESS THAN 3.5 kW	1600 VA	80.00%	1280 VA		
HVAC	17813 VA	100.00%	17813 VA	**Total Conn. Load:**	48530 VA
Other	7926 VA	100.00%	7926 VA	**Total Est. Demand:**	45618 VA
POWER	1452 VA	100.00%	1452 VA	**Total Conn.:**	135 A
MTR	1263 VA	100.00%	1263 VA	**Total Est. Demand:**	127 A
RCPT	15460 VA	82.34%	12730 VA		
FIRE ALARM	2 VA	100.00%	2 VA		
LIGHTING	2678 VA	100.00%	2678 VA		
MISCELLANEOUS	1392 VA	100.00%	1392 VA		

Notes:
*PROVIDE GFCI BREAKER. **PROVIDE LOCKABLE BREAKER FOR FIRE ALARM PANEL

Scale:

No.	Revision	By	Date

Designed by:

CHELSEA HADSEL, P.E.
ISSUED FOR BID

STATE OF MAINE — CHELSEA L. HADSEL No. 17097 — LICENSED PROFESSIONAL ENGINEER

	By	Date		By	Date
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Harriman

MAINE TURNPIKE

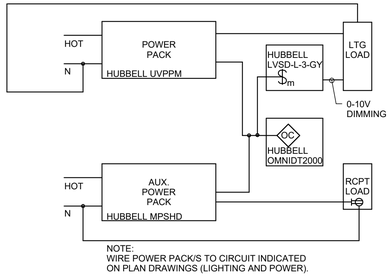
THE GOLD STAR MEMORIAL HIGHWAY

PROJ.NO: 25116

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

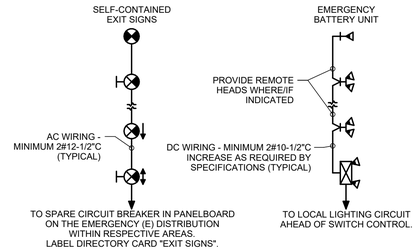
CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
SCHEDULES

SHEET NUMBER: E60-1



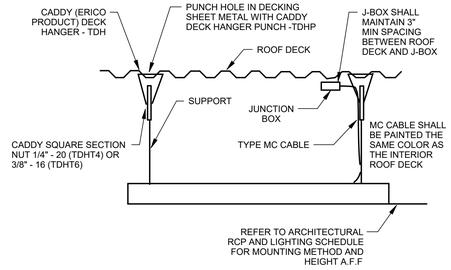
A12 OCCUPANCY SENSOR CONTROL WITH CONTROLLED RECEPTACLE

NO SCALE



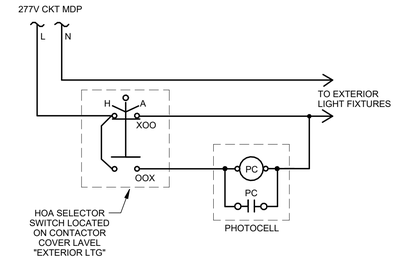
A11 EXIT SIGN AND EMERGENCY BATTERY UNIT WIRING

NO SCALE



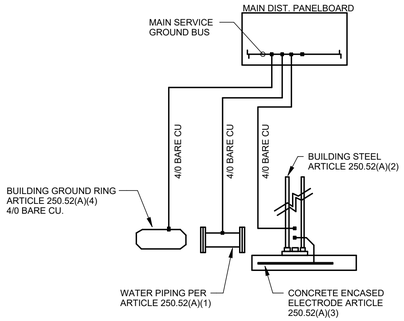
A10 FIXTURE SUSPENSION

NO SCALE



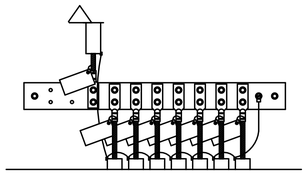
A9 EXTERIOR LIGHTING WIRING DIAGRAM

NO SCALE



A8 GROUNDING SYSTEM

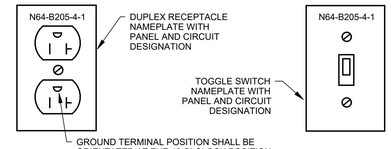
NO SCALE



NOTES:
1. PROVIDE COPPER GROUNDING BUS (ERICO EGBA SERIES OR APPROVED EQUAL) WHERE INDICATED ON PLANS.
2. PROVIDE PERMANENT PHENOLIC TAG ON EACH CONDUCTOR INDICATING ORIGIN OF EACH CONDUCTOR.
3. GROUND TO ITEMS INDICATED ON POWER RISERS.
4. BOND TO THE FOLLOWING ITEMS:
   a. STRUCTURAL STEEL.
   b. TEL/DATA GROUND BUSBAR.
   c. METALLIC PIPING.

A7 GROUNDING BUS DETAIL

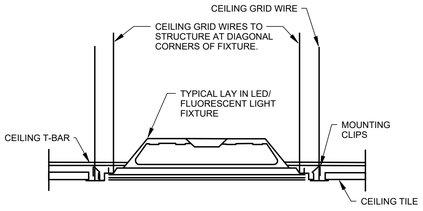
NO SCALE



NOTES:
1. ABBREVIATED PANEL DESIGNATIONS SHALL NOT BE USED.
2. DETAIL APPLIES TO ALL DEVICES, ALL AREAS.
3. DETAIL APPLIES TO ALL LIGHT SWITCHES AND LIGHT FIXTURES, ALL AREAS.

A6 TYP ELEC DEVICE LABELING DETAIL

NO SCALE



A5 FIXTURE SUPPORT

NO SCALE

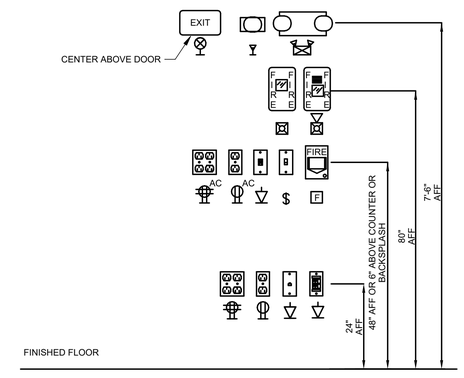
PATHWAYS INSTALLED TO CARRY TELECOMMUNICATIONS CABLES SHALL GIVE CONSIDERATION TO NOISE SOURCES SUCH AS POWER WIRING, RADIO FREQUENCY (RF) SOURCES, MOTORS, GENERATORS, INDUCTION HEATERS, ARC WELDERS, TRANSFORMERS, LIGHTING FIXTURE BALLAST/DRIVER, ETC...

1. TELECOMMUNICATIONS CABLES SHALL CROSS POWER CONDUCTORS IN A PERPENDICULAR ORIENTATION AND AT A MINIMUM DISTANCE OF 6 INCHES.
2. TELECOMMUNICATIONS PATHWAYS SHALL RUN A MINIMUM OF 6" FROM A LIGHTING FIXTURE BALLAST/DRIVER UNLESS OTHERWISE INDICATED.
3. TELECOMMUNICATIONS PATHWAYS WHICH RUN PARALLEL TO POWER CONDUCTORS SHALL MAINTAIN THE FOLLOWING MINIMUM DISTANCE SEPARATION:

CONDITION	MINIMUM REQ'D SEPARATION			
	120V <20A	120/208V <20A	120/208V >20A	277/480V
POWER CONDUCTORS IN TRAY, TELECOM CONDUCTORS IN TRAY OR AIR	12"	18"	24"	36"
POWER CONDUCTORS IN TRAY, TELECOM CONDUCTORS IN METAL CONDUIT	9"	12"	18"	24"
POWER CONDUCTORS IN METAL CONDUIT, TELECOM CONDUCTORS IN TRAY OR AIR	9"	12"	18"	24"
POWER CONDUCTORS IN METAL CONDUIT, TELECOM CONDUCTORS IN METAL CONDUIT OR WIREWAY	4"	9"	12"	24"

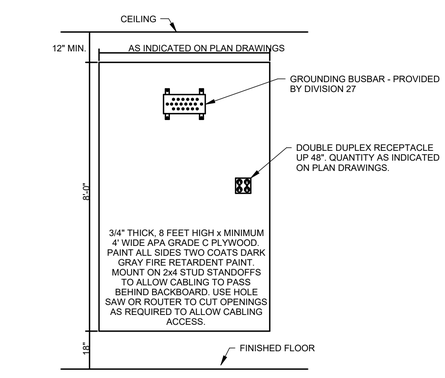
A4 SEPARATION OF TELE/COMM CABLES FROM ELECTRICAL ITEMS

NO SCALE



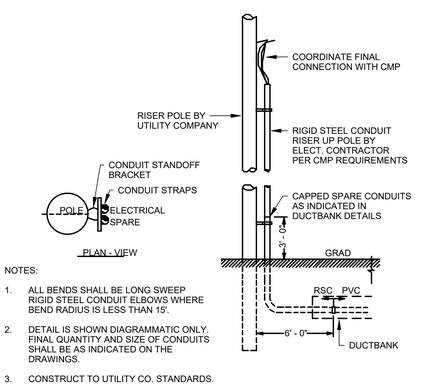
A3 TYPICAL INTERIOR MOUNTING HEIGHTS

NO SCALE



A2 TYPICAL TEL/DATA BACKBOARD

NO SCALE



NOTES:
1. ALL BENDS SHALL BE LONG SWEEP RIGID STEEL CONDUIT ELBOWS WHERE BEND RADIUS IS LESS THAN 15'.
2. DETAIL IS SHOWN DIAGRAMMATIC ONLY. FINAL QUANTITY AND SIZE OF CONDUITS SHALL BE AS INDICATED ON THE DRAWINGS.
3. CONSTRUCT TO UTILITY CO. STANDARDS.

A1 RISER POLE DETAIL

NO SCALE

Scale: As indicated

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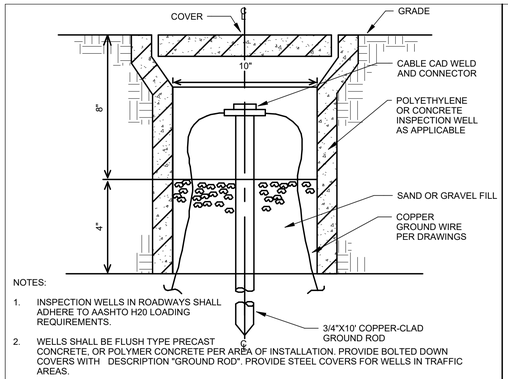
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DETAILS

SHEET NUMBER: E70-1

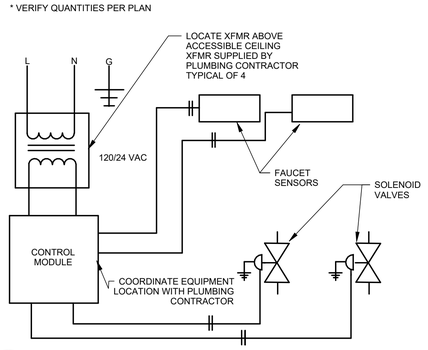


NOTES:

1. INSPECTION WELLS IN ROADWAYS SHALL ADHERE TO AASHTO H20 LOADING REQUIREMENTS.
2. WELLS SHALL BE FLUSH TYPE PRECAST CONCRETE, OR POLYMER CONCRETE PER AREA OF INSTALLATION. PROVIDE BOLTED DOWN COVERS WITH DESCRIPTION "GROUND ROD". PROVIDE STEEL COVERS FOR WELLS IN TRAFFIC AREAS.

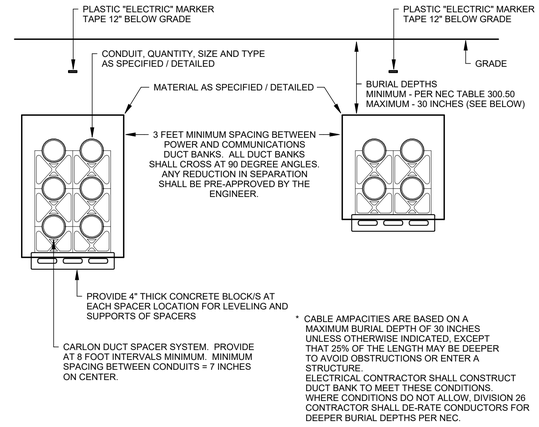
A10 TYPICAL GROUNDING WELL DETAIL

NO SCALE



A8 RESTROOM LAVATORY WIRING DETAIL

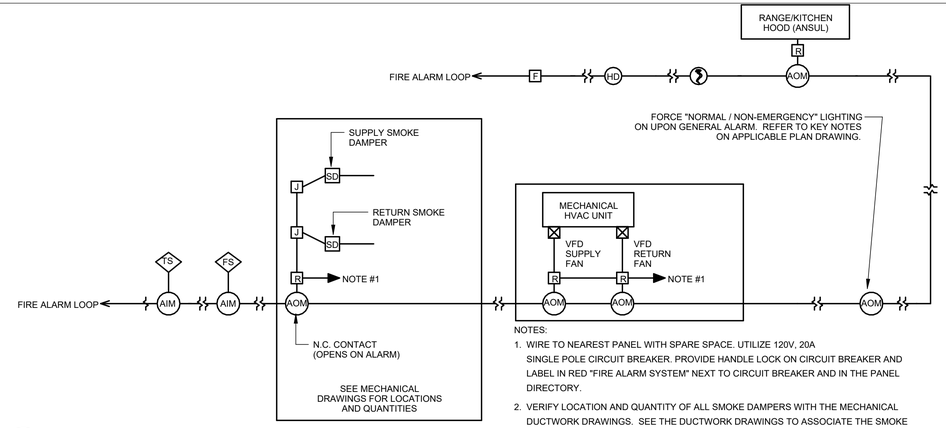
NO SCALE



* CABLE AMPACITIES ARE BASED ON A MAXIMUM BURIAL DEPTH OF 30 INCHES UNLESS OTHERWISE INDICATED, EXCEPT THAT 25% OF THE LENGTH MAY BE DEEPER TO AVOID OBSTRUCTIONS OR ENTER A STRUCTURE.
ELECTRICAL CONTRACTOR SHALL CONSTRUCT DUCT BANK TO MEET THESE CONDITIONS. WHERE CONDITIONS DO NOT ALLOW, DIVISION 26 CONTRACTOR SHALL DE-RATE CONDUCTORS FOR DEEPER BURIAL DEPTHS PER NEC.

A7 TYPICAL DUCT BANK CONSTRUCTION

NO SCALE

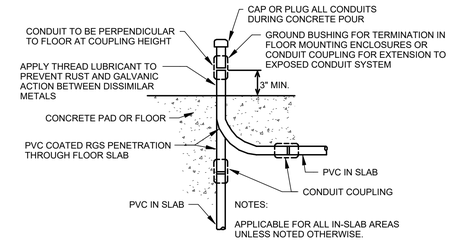


NOTES:

1. WIRE TO NEAREST PANEL WITH SPARE SPACE. UTILIZE 120V, 20A SINGLE POLE CIRCUIT BREAKER. PROVIDE HANDLE LOCK ON CIRCUIT BREAKER AND LABEL IN RED "FIRE ALARM SYSTEM" NEXT TO CIRCUIT BREAKER AND IN THE PANEL DIRECTORY.
2. VERIFY LOCATION AND QUANTITY OF ALL SMOKE DAMPERS WITH THE MECHANICAL DUCTWORK DRAWINGS. SEE THE DUCTWORK DRAWINGS TO ASSOCIATE THE SMOKE DAMPERS WITH EACH AIR HANDLING UNIT FOR GROUPING. SMOKE DAMPERS SHALL BE CONTROLLED AS A GROUP PER AIR HANDLING UNIT SERVED.

A9 FIRE ALARM SYSTEM DETAILS AND NOTES

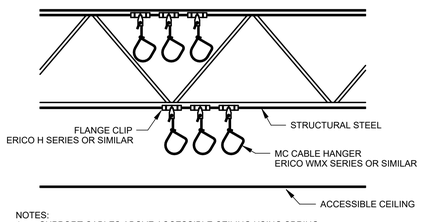
NO SCALE



A6 TYPICAL IN-SLAB CONDUIT STUB-UP DETAIL

NO SCALE

NOT USED

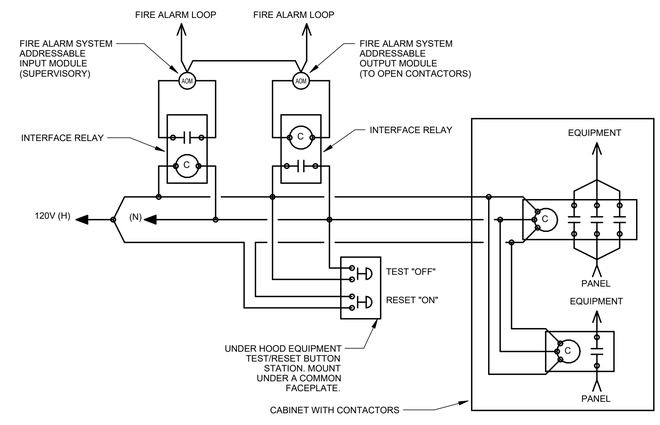


NOTES:

1. SUPPORT CABLES ABOVE ACCESSIBLE CEILING USING SPRING METAL CLIPS OR APPROVED CABLE TIES TO SUPPORT CABLES FROM STRUCTURE
   - DO NOT SUPPORT FROM CEILING SUSPENSION SYSTEM.
   - DO NOT DRAPE OVER DUCTWORK OR BETWEEN/THROUGH BAR JOIST.
   - DO NOT REST CABLE ON CEILING PANELS.
2. CABLING SHALL BE RUN PARALLEL AND PERPENDICULAR TO STRUCTURE AND SHALL BE CABLED NEATLY.

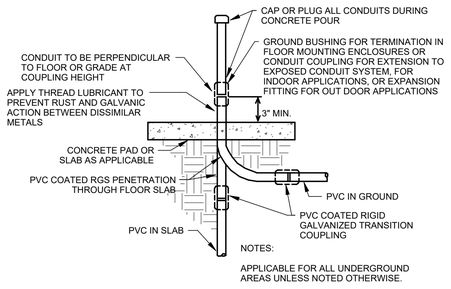
A4 MC CABLE MOUNTING SUPPORT DETAIL

NO SCALE



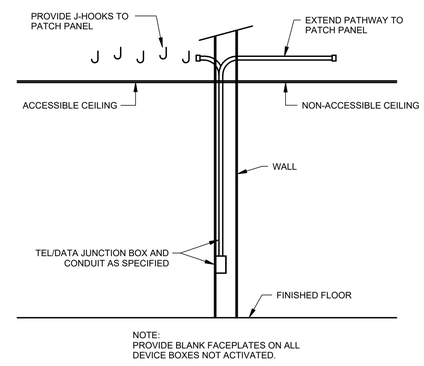
A3 UNDER HOOD KITCHEN EQUIPMENT SHUTDOWN DETAIL

NO SCALE



A2 TYPICAL U/G CONDUIT STUB-UP DETAIL

NO SCALE



NOTE:
PROVIDE BLANK FACEPLATES ON ALL DEVICE BOXES NOT ACTIVATED.

A1 TYPICAL WALL OUTLET DETAIL

NO SCALE

Scale: As indicated

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STATE OF MAINE — CHELSEA L. HADSEL No. 17097 — LICENSED PROFESSIONAL ENGINEER

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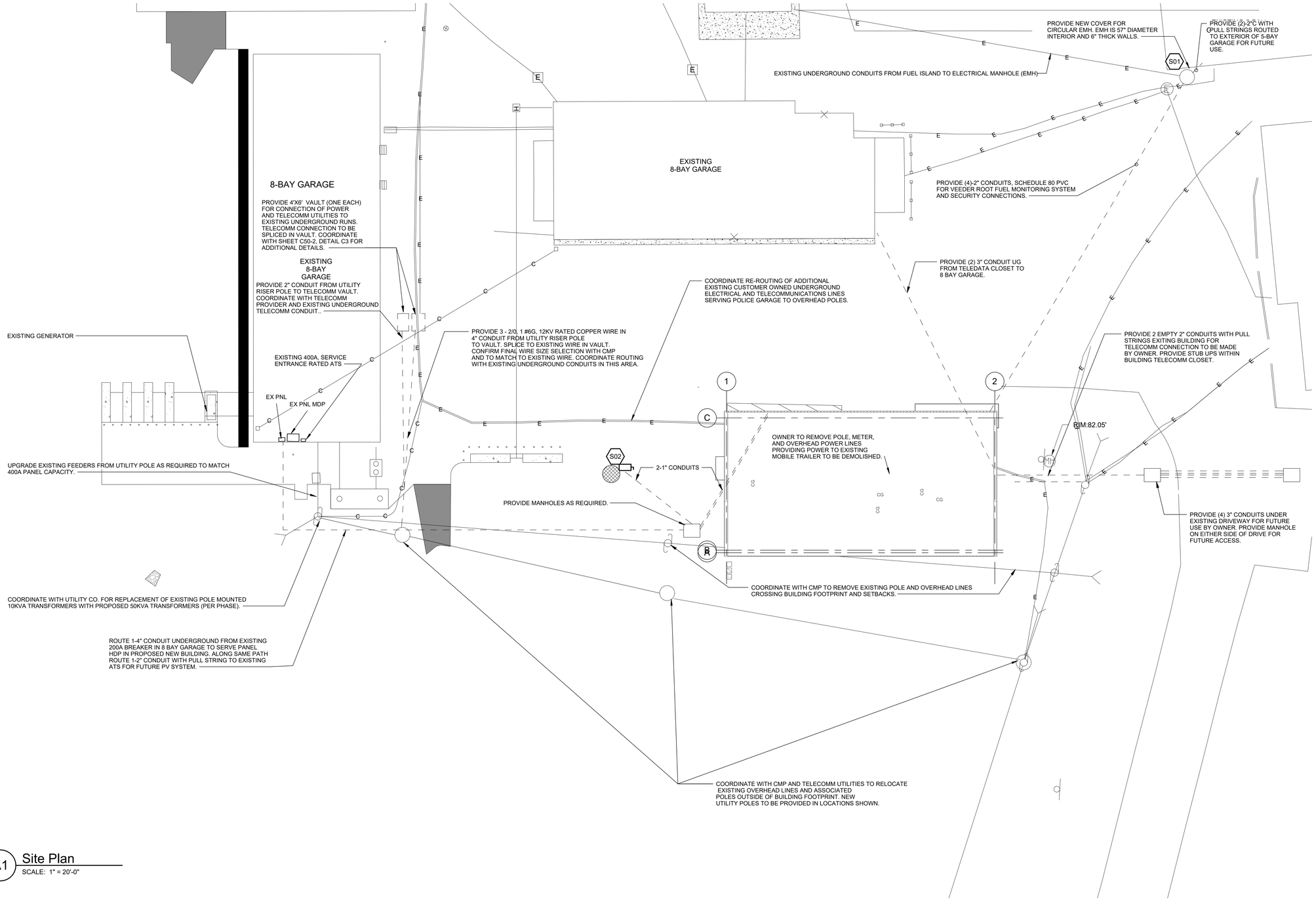
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
DETAILS

SHEET NUMBER: E70-2



A1 Site Plan
SCALE: 1" = 20'-0"

GENERAL NOTES

1 ALL LIGHTING AND POWER CONDUCTORS SHALL BE INSTALLED BETWEEN 30" (MINIMUM) BELOW FINISHED GRADE.
2 ALL COMMUNICATIONS CONDUIT AND CABLES SHALL BE INSTALLED 30" (MINIMUM) BELOW FINISHED GRADE.
3 ALL CONDUCTORS FOR EXTERIOR LIGHTING AND POWER CIRCUITS SHALL BE #10 AWG MINIMUM.
4 PROVIDE DIRECT BURIED SCHEDULE 80 PVC FOR ALL UNDERGROUND CONDUIT RUNS.
5 COORDINATE TRENCH CUTS AND PAVING LIMITS WITH DIVISION 32.

KEY NOTES

S01 CONNECTION OF VEEDER ROOT SYSTEM AT FUEL ISLAND LOCATION TO PROPOSED MAINTENANCE BUILDING WILL BE PROVIDED AND TERMINATED IN CREW LEADER OFFICE A103 BY OWNER. PROVIDE PULL STRING IN NEW CONDUIT RUN.

S02 PROVIDE DISCONNECT FOR SITE SUMP PUMP. TIE TO CIRCUIT 48,50 IN PANEL HDP. SEE PANEL SCHEDULE FOR WIRE SIZE. PROVIDE ADDITIONAL CONDUIT FOR TELE DATA AS REQUIRED FOR BAS CONNECTION. COORDINATE FINAL CONNECTION REQUIREMENTS WITH DIV 33 AND INSTALLER.

Scale: 1" = 20'-0"

No.	Revision	By	Date

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ISSUED FOR BID

STATE OF MAINE · CHELSEA L. HADSEL · No. 17097 · LICENSED PROFESSIONAL ENGINEER

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

CONTRACT 2026.07
CROSBY MAINTENANCE OFFICE BUILDING
SITE PLAN

SHEET NUMBER: E80-1