

DOWNTOWN AUBURN TRANSPORTATION CENTER

AUBURN, MAINE

65% SUBMISSION
APRIL 17, 2015

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HARRIMAN

Seal for Civil Drawings

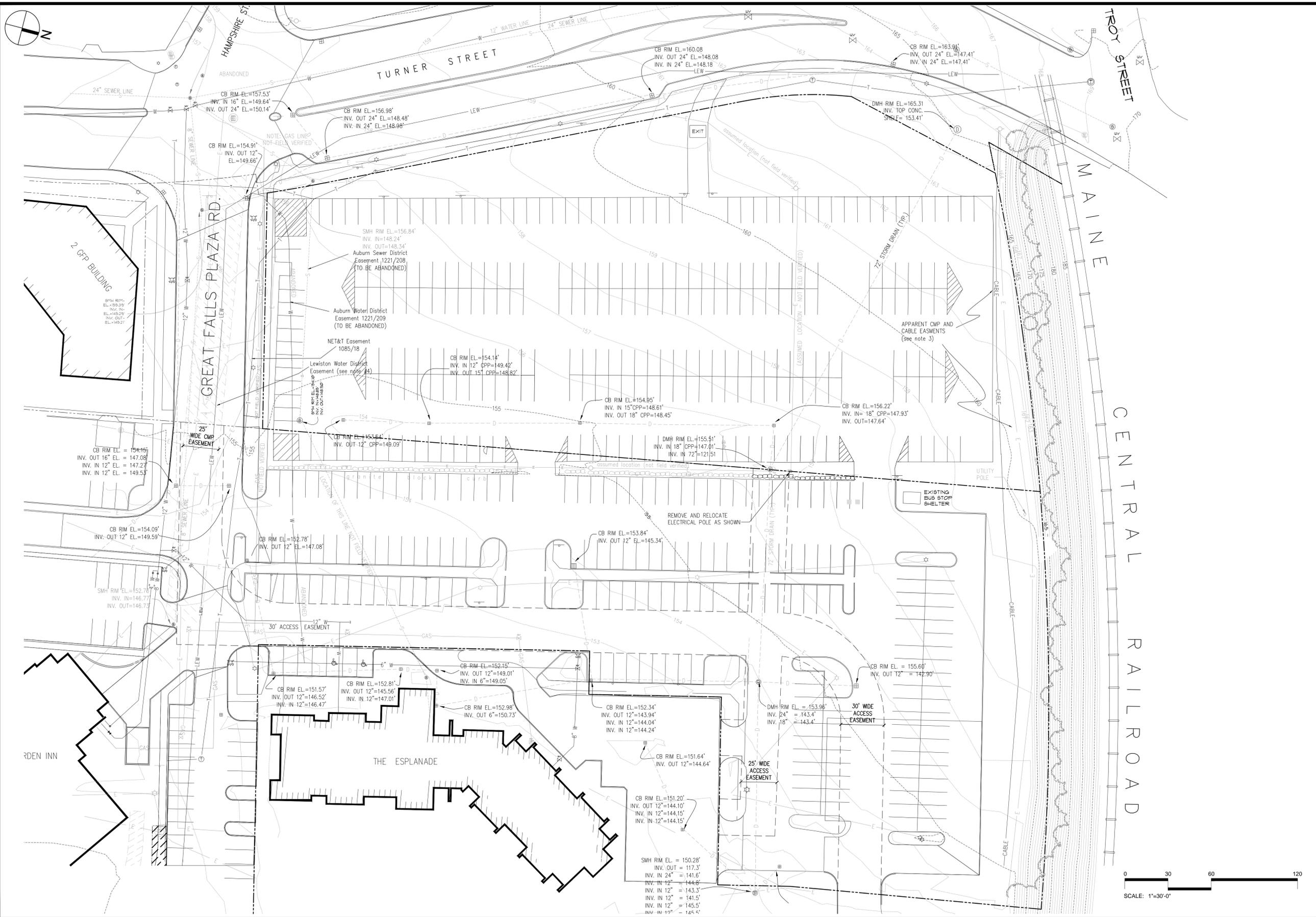
Seal for Architectural Drawings

Seal for Structural Drawings

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Seal for Mechanical Drawings

Seal for Electrical Drawings



EXISTING CONDITIONS SITE PLAN

SCALE: 1"=30'-0"

PRINTED: Apr 17, 2015



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AUBURN, MAINE

**DOWNTOWN AUBURN
 TRANSPORTATION CENTER**

GREAT FALLS PLAZA

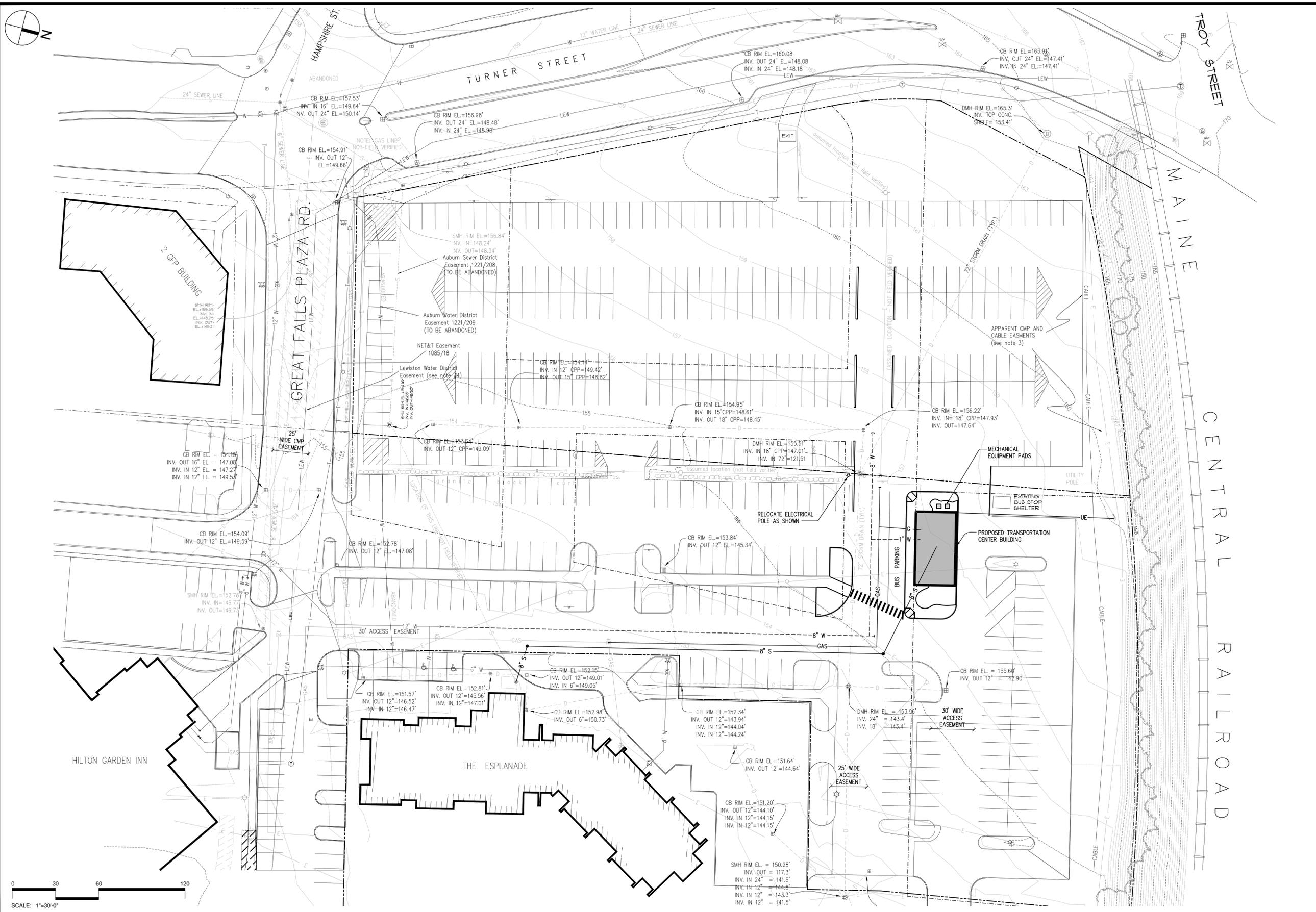
PROPOSED BUILDING

No.	ISSUED	DESCRIPTION	DR.		DATE	
			BY	ED	BY	ED
B		PRELIMINARY DESIGN REPORT			3-8-15	
C		65% SUBMISSION			4-17-15	

SHEET TITLE:
**EXISTING
 CONDITIONS
 SITE PLAN**

DESIGNED: ED
 DRAWN: ED
 DATE: 10-20-14
 PROJECT NUMBER: 14-124

C100



PRINTED: Apr 17, 2015

PROPOSED SITE PLAN

SCALE: 1"=30'-0"



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 PROPOSED BUILDING

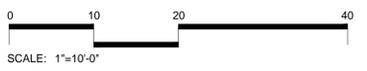
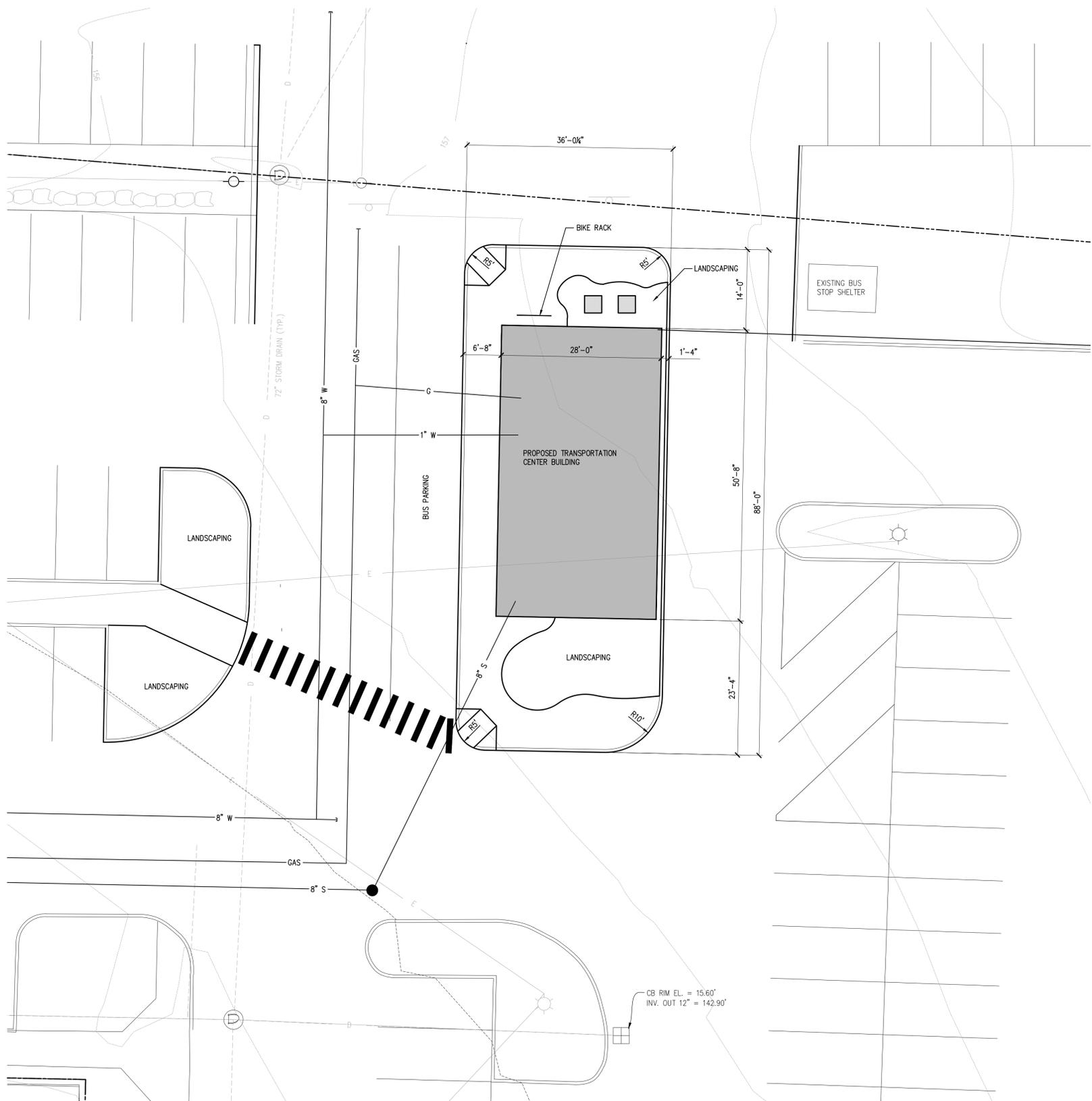
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			BY	BY	
A	FOR REVIEW		ED	ED	1-29-15
B	PRELIMINARY DESIGN REPORT		ED	ED	3-6-15
C	65% SUBMISSION		ED	ED	4-17-15

SHEET TITLE:

PROPOSED
 SITE PLAN

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C101



SCALE: 1"=10'-0"

PROPOSED PARTIAL SITE PLAN

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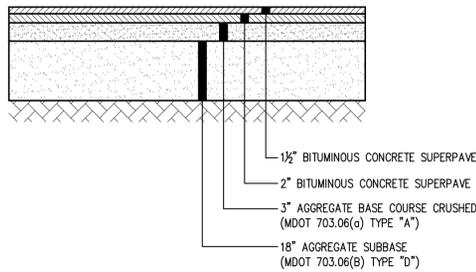
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AUBURN, MAINE
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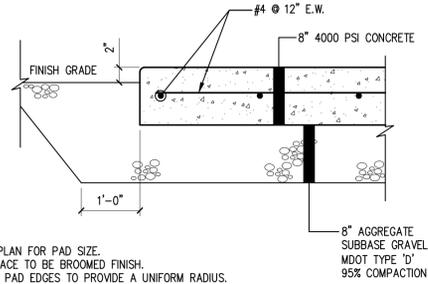
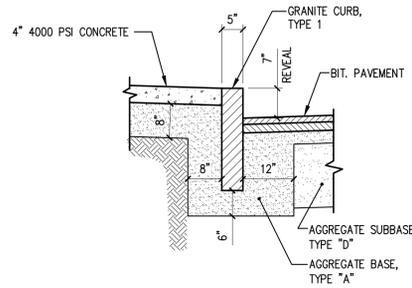
SHEET TITLE:
PROPOSED
PARTIAL
SITE PLAN

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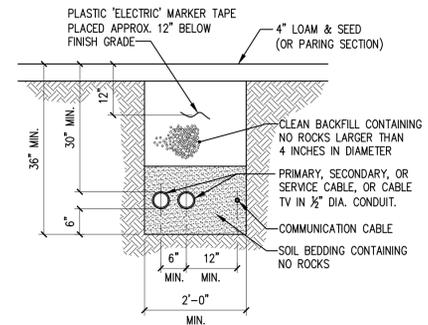
C102



NOTE:
 1. COMPACT GRAVEL SUBBASE, BASE COURSE TO 95% OF MAXIMUM DENSITY USING HEAVY ROLLER COMPACTION.
 2. CONTRACTOR SHALL SET GRADE STAKES MARKING SUBBASE AND FINISH GRADE ELEVATIONS FOR CONSTRUCTION REFERENCE.



NOTES:
 1. SEE PLAN FOR PAD SIZE.
 2. SURFACE TO BE BROOMED FINISH.
 3. TOOL PAD EDGES TO PROVIDE A UNIFORM RADIUS.
 4. DETAIL APPLIES FOR DUMPSTER & GENERATOR PADS.



TYPICAL PAVING SECTION

NTS

TYPICAL CONCRETE WALK w/ GRANITE CURB SECTION

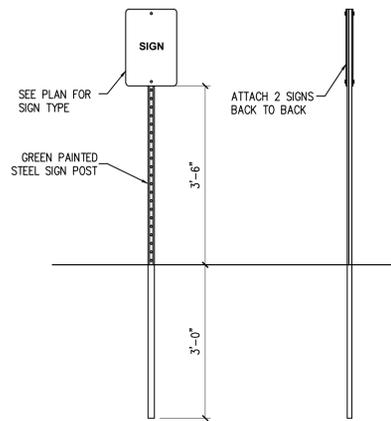
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TYPICAL CONCRETE PAD DETAIL

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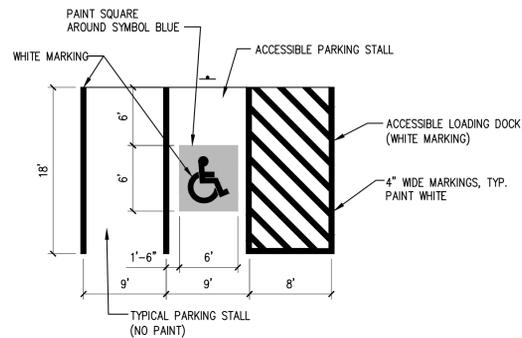
TYPICAL UNDERGROUND WIRE TRENCH DETAIL

NTS



TYPICAL SIGN DETAIL

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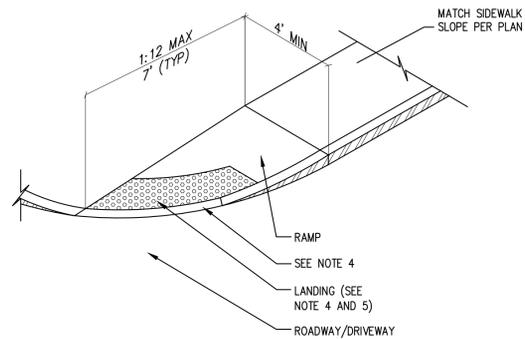


TYPICAL PARKING STALL DETAILS

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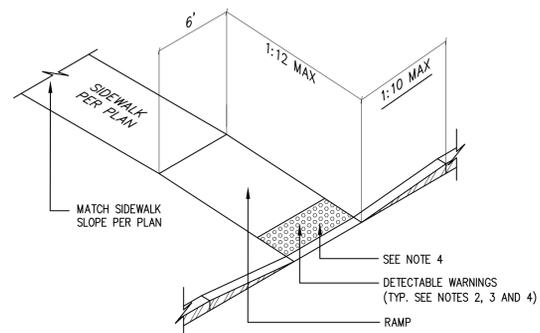
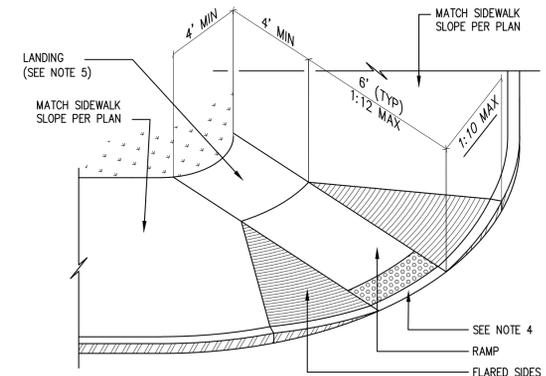
NOTES:

- CURB RAMP LENGTHS ARE BASED ON SIX (6) INCH CURB REVEAL HEIGHT AND NO RUNNING SLOPE. RAMP LENGTHS SHALL BE ADJUSTED AS NECESSARY TO ACCOMMODATE VARYING CURB REVEAL HEIGHTS AND TO MATCH RUNNING SLOPES OF ADJACENT ROADWAY AND SIDEWALK SLOPES TO MAINTAIN A RAMP THAT DOES NOT EXCEED THE MAXIMUM RAMP SLOPE OF 1:12.
- DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES AND SHALL HAVE A BASE DIAMETER OF 0.9 INCHES (23 mm) MINIMUM AND 1.4 INCHES (36 mm) MAXIMUM; A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MINIMUM TO 65 PERCENT OF THE BASE DIAMETER MAXIMUM AND A HEIGHT OF 0.2 INCHES (5.1 mm), A CENTER-TO-CENTER SPACING OF 1.6 INCHES (41mm) MINIMUM AND 2.4 INCHES (61mm) MAXIMUM; AND A BASE-TO-BASE SPACING OF 0.65 INCHES (17mm) MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.
- DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON INTERIOR SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT.
- ALL ACCESSIBLE ROUTE SIDEWALKS INTERSECTING ROADWAYS, DRIVEWAYS, OR OTHER VEHICULAR CROSSINGS REQUIRE DETECTABLE WARNINGS. DETECTABLE WARNING ZONES SHALL BE INSTALLED SIX (6) INCHES (OR THE HORIZONTAL THICKNESS OF THE ADJACENT CURB) FROM THE FLOW LINE OF THE CURB, EXTEND INTO THE SIDEWALK FOR A 24" DEPTH, AND COVER THE COMPLETE WIDTH OF THE SIDEWALK OR RAMP AREA. DETECTABLE WARNING ZONES SHALL CONFORM TO THE SLOPE REQUIREMENTS OF THE RAMP, LANDING, OR ACCESSIBLE ROUTE AS DEFINED IN THE SPECIFIED DETAIL. DETECTABLE WARNINGS SHALL NOT BE INSTALLED IN FLARED SIDES, IF THE RAMP INCLUDES FLARED SIDES.
- ALL LANDING AREAS SHALL BE 4 FEET WIDE BY 4 FEET LONG (MINIMUM DIMENSIONS). THE SLOPE OF THE LANDING AREA SHALL NOT EXCEED A 1:48 IN ANY DIRECTION.
- ALL ACCESSIBLE ROUTE SLOPES ADJOINING THE LANDING AREA, EXCLUDING THE CURB RAMP, SHALL NOT EXCEED A SLOPE OF 1:20 UNLESS OTHERWISE NOTED.



TYPICAL BARRIER FREE RAMP DETAILS

NTS



TYPICAL BIKE RACK DETAIL

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				BY	ED
		65% SUBMISSION	4-17-15		
	C				

SHEET TITLE:

SITE DETAILS
 SHEET 1

DESIGNED: ED
 DRAWN: ED
 DATE: 4-14-15
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C200

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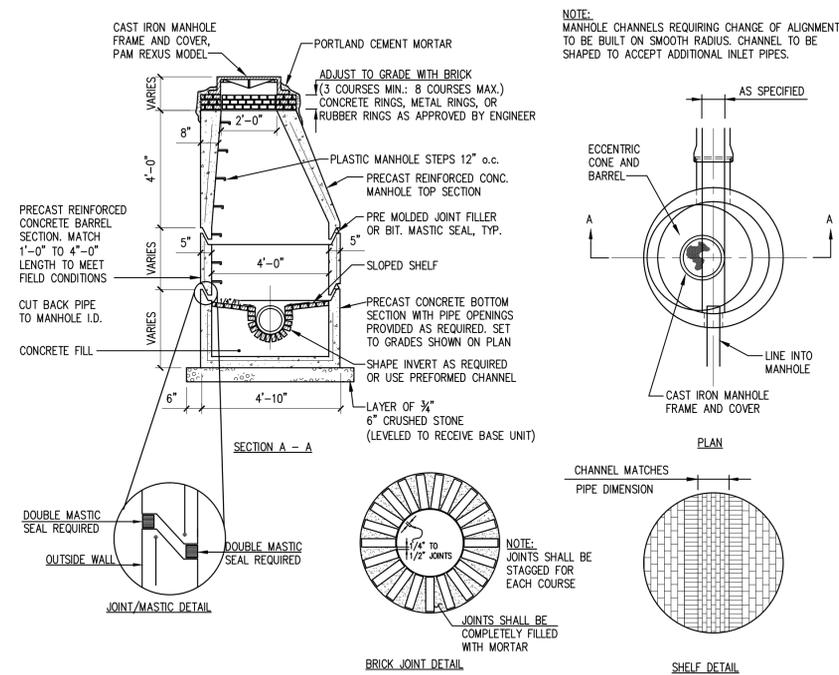
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DESCRIPTION	BY	BY	4-17-15
65% SUBMISSION	ED	ED	
No.	C		

SHEET TITLE:

**SITE DETAILS
 SHEET 2**

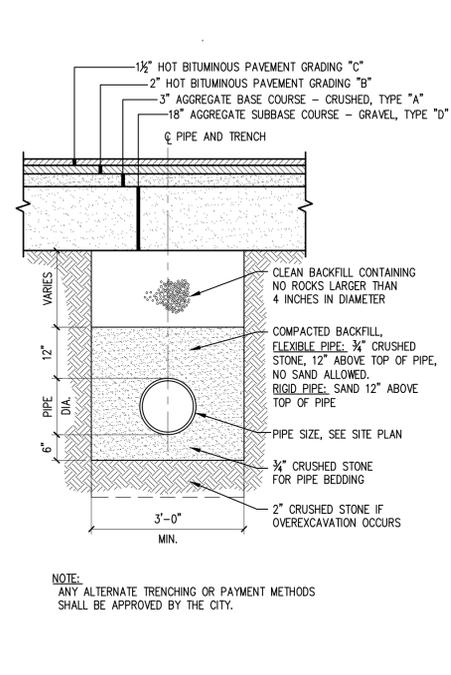
DESIGNED: ED
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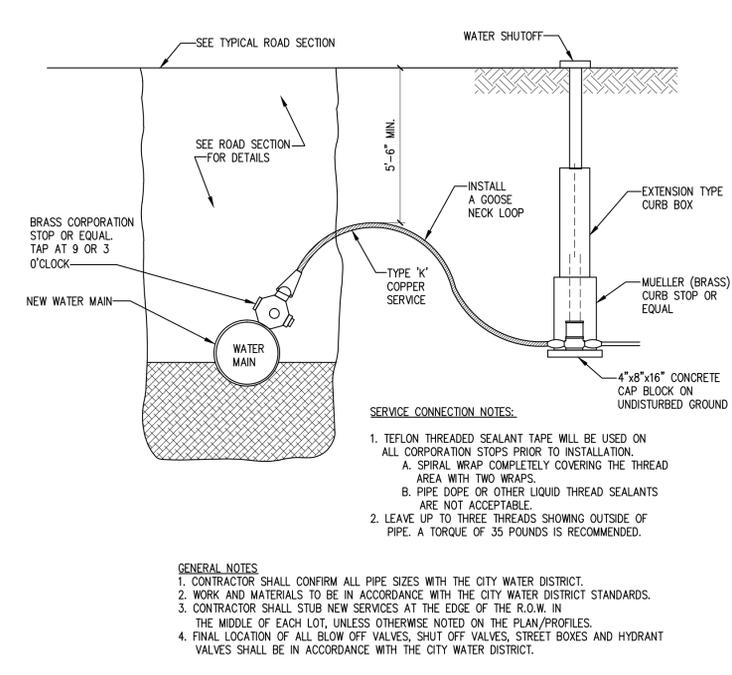
TYPICAL SEWER MANHOLE DETAIL

NTS



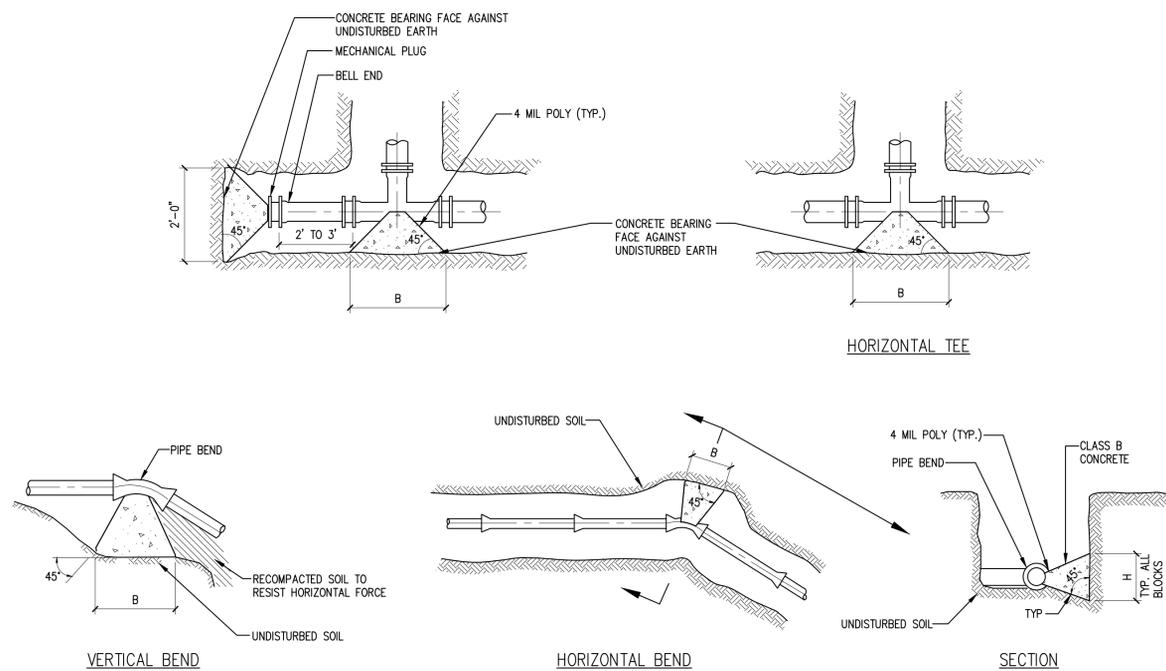
TYPICAL UNDERGROUND PIPE TRENCH DETAIL

NTS



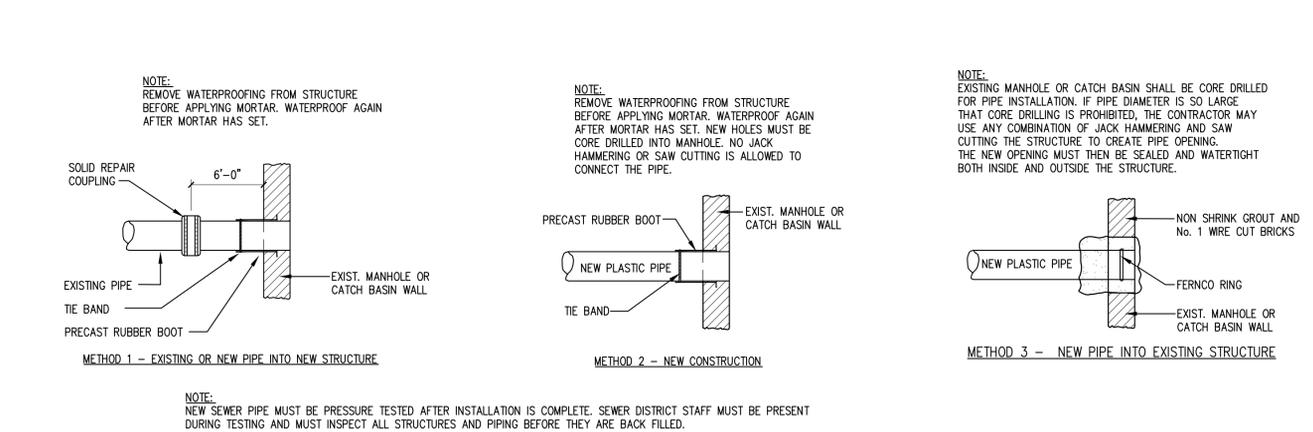
TYPICAL WATER SERVICE CONNECTION DETAIL

NTS



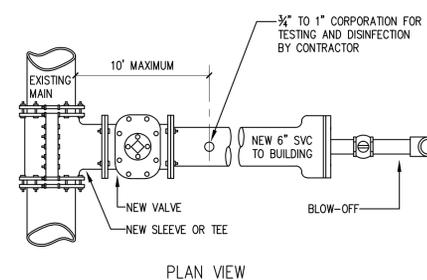
TYPICAL WATER MAIN DETAILS

NTS



SEWER CONNECTION DETAILS

NTS



TYPICAL WATER MAIN CONNECTION DETAIL

NTS

DETAIL

NTS

MINIMUM BEARING FACE "HEIGHTS AND WIDTHS" FOR CONCRETE THRUST BLOCKS (TEST PRESSURE = 150 PSI)

PIPELINE SIZE (diameter)	11 1/2" BEND		22 1/2" BEND		45° BEND		90° BEND		TEES & PLUGS		WYES	
	H	B	H	B	H	B	H	B	H	B	H	B
6"	1.0	1.0	1.0	1.0	1.0	2.0	1.75	2.0	1.25	2.0	1.0	2.0
8"	1.0	1.0	1.0	1.75	1.5	2.25	1.75	3.5	1.5	3.0	1.5	2.25
12"	1.0	1.5	1.25	2.25	1.75	3.0	2.25	4.25	2.25	3.0	1.75	3.0

1. HYDROSTATIC AND LEAKAGE TEST PRESSURE PER SPECIFICATIONS.
2. UNDISTURBED EARTH, SIDE OF TRENCH OR OTHER EXCAVATION.
3. SEE DIAGRAM FOR H AND B LOCATION REFERENCE. H AND B IN FEET.
4. PLACE 4 MIL POLYETHYLENE BETWEEN FITTINGS AND THRUST BLOCKS.
5. SOIL BEARING CAPACITY TO BE A MINIMUM OF 2000 PSF.

PROCEDURES:

1. NEW VALVE TO REMAIN SHUT AND ONLY OPERATED BY DISTRICT FOR FLUSHING, TESTING, DISINFECTING, ETC.
2. THE TESTING CORPORATION LOCATION MUST BE ACCESSIBLE BY:
 - A. LEAVING THE EXCAVATION OPEN DURING TESTING - DISINFECTION PERIOD, OR BY:
 - B. INSTALLING A "JUMPER LINE" TO THE GROUND SURFACE WITH THE CORPORATION BEING AN ANGLE VALVE IN A VALVE BOX, OR BY USING A SERVICE BOX AND ROD. AFTER COMPLETION OF THE HYDROSTATIC TEST AND THE DISINFECTION PROCEDURE:
 - (1) THE ANGLE VALVE IS SHUT,
 - (2) THE "JUMPER LINE" IS CUT OFF BELOW THE GROUND, AND
 - (3) THE BOX IS PULLED.

EROSION AND SEDIMENTATION NOTES

1. THIS PLAN HAS BEEN DEVELOPED TO PROVIDE A STRATEGY FOR DEALING WITH SOIL EROSION AND SEDIMENTATION DURING AND AFTER PROJECT CONSTRUCTION. THIS PLAN IS BASED ON THE STANDARD AND SPECIFICATIONS FOR EROSION PREVENTION AS CONTAINED IN THE MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: "MAINE EROSION AND SEDIMENT CONTROL BMPs" PUBLISHED BY THE MAINE DEP, LATEST EDITION.

GENERAL EROSION AND SEDIMENTATION CONTROL PRACTICES

- EROSION/SEDIMENT CONTROL DEVICES
THE FOLLOWING EROSION/SEDIMENTATION CONTROL DEVICES ARE PROPOSED FOR CONSTRUCTION ON THIS PROJECT. INSTALL THESE DEVICES AS INDICATED ON THE PLANS.
- SILT FENCE: SILT FENCE WILL BE INSTALLED ALONG THE DOWN GRADING EDGES OF DISTURBED AREAS TO TRAP RUNOFF BORNE SEDIMENTS UNTIL THE SITE IS STABILIZED. IN AREAS WHERE STORMWATER DISCHARGES THE SILT FENCE WILL BE REINFORCED WITH HAY BALES TO HELP MAINTAIN THE INTEGRITY OF THE SILT FENCE AND TO PROVIDE ADDITIONAL TREATMENT.
- HAY BALES TO BE PLACED IN LOW FLOW DRAINAGE SWALES AND PATHS TO TRAP SEDIMENTS AND REDUCE RUNOFF VELOCITIES. DO NOT PLACE HAY BALES IN FLOWING WATER OR STREAMS.
- RRAP: PROVIDE RRAP IN AREAS WHERE CULVERTS DISCHARGE OR AS SHOWN ON THE PLANS.
- LOAM, SEED, & MULCH: ALL DISTURBED AREAS, WHICH ARE NOT OTHERWISE TREATED, SHALL RECEIVE PERMANENT SEEDING AND MULCH TO STABILIZE THE DISTURBED AREAS. THE DISTURBED AREAS WILL BE REVEGETATED WITHIN 5 DAYS OF FINAL GRADING. SEEDING REQUIREMENTS ARE PROVIDED AT THE END OF THIS SPECIFICATION.
- STRAW AND HAY MULCH: USED TO COVER DENUDEED AREAS UNTIL PERMANENT SEED OR EROSION CONTROL MEASURES ARE IN PLACE. MULCH BY ITSELF CAN BE USED ON SLOPES LESS THAN 15% IN SUMMER AND 8% IN WINTER. ALL OTHER SLOPES MUST BE COVERED WITH JUTE MESH OVER MULCH, OR CURLEX II OR EXCELSIOR MAY BE USED IN PLACE OF JUTE MESH AND MULCH OVER LOAM AND SEED.
- MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPES EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%. VEGETATED DRAINAGE SWALES SHALL BE LINED WITH EXCELSIOR OR CURLEX.
- TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES
PROVIDE THE FOLLOWING TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION OF THE DEVELOPMENT:
 - SILTATION FENCE ALONG THE DOWNGRADIENT SIDE OF THE PARKING AREAS AND OF ALL FILL SECTIONS. THE SILTATION FENCE WILL REMAIN IN PLACE UNTIL THE SITE IS 85% REVEGETATED.
 - HAY BALES PLACED AT KEY LOCATIONS TO SUPPLEMENT THE SILT FENCE.
 - PROTECT TEMPORARY STOCKPILES OF STUMPS, GRUBBINGS, OR COMMON EXCAVATION AS FOLLOWS:
 - SOIL STOCKPILE SIDE SLOPES SHALL NOT EXCEED 2:1.
 - AVOID PLACING TEMPORARY STOCKPILES IN AREAS WITH SLOPES OVER 10 PERCENT, OR NEAR DRAINAGE SWALES. SEE ITEM 3 IN CONSTRUCTION PHASE NOTES BELOW.
 - STABILIZE STOCKPILES WITHIN 15 DAYS BY TEMPORARILY SEEDING WITH A HYDROSEED METHOD CONTAINING AN EMULSIFIED MULCH TACKIFIER OR BY COVERING THE STOCKPILE WITH MULCH.
 - SURROUND STOCKPILE SOIL WITH SILTATION FENCE AT BASE OF PILE.
 - ALL DENUDEED AREAS WHICH HAVE BEEN ROUGH GRADED AND ARE NOT LOCATED WITHIN THE BUILDING PAD, OR PARKING AND DRIVEWAY SUBBASE AREA SHALL RECEIVE MULCH WITHIN 30 DAYS OF INITIAL DISTURBANCE OF SOIL OR WITHIN 15 DAYS AFTER COMPLETING THE ROUGH GRADING OPERATIONS. IN THE EVENT THE CONTRACTOR COMPLETES FINAL GRADING AND INSTALLATION OF LOAM AND SOD WITHIN THE TIME PERIODS PRESENTED ABOVE, INSTALLATION OF MULCH AND NETTING, WHERE APPLICABLE, IS NOT REQUIRED.
 - IF WORK IS CONDUCTED BETWEEN OCTOBER 15 AND APRIL 15, ALL DENUDEED AREAS ARE TO BE COVERED WITH HAY MULCH, APPLIED AT TWICE THE NORMAL APPLICATION RATE, AND ANCHORED WITH FABRIC NETTING. THE PERIOD BETWEEN FINAL GRADING AND MULCHING SHALL BE REDUCED TO A 15 DAY MAXIMUM.
 - TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE HAS BEEN STABILIZED OR IN AREAS WHERE PERMANENT EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
 - PERMANENT EROSION CONTROL MEASURES
THE FOLLOWING PERMANENT CONTROL MEASURES ARE REQUIRED BY THIS EROSION/SEDIMENTATION CONTROL PLAN:
 - ALL AREAS DISTURBED DURING CONSTRUCTION, BUT NOT SUBJECT TO OTHER RESTORATION (PARKING, RRAP, ETC.), WILL BE LOAMED, LINED, FERTILIZED AND SEDED. NATIVE TOPSOIL SHALL BE STOCKPILED AND REUSED FOR FINAL RESTORATION WHEN IT IS OF SUFFICIENT QUALITY.
 - SLOPES GREATER THAN 2:1 WILL RECEIVE RRAP.

CONSTRUCTION PHASE

- THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION DURING CONSTRUCTION OF THIS PROJECT.
- ONLY THOSE AREAS UNDER ACTIVE CONSTRUCTION WILL BE CLEARED AND LEFT IN AN UNTREATED OR UNVEGETATED CONDITION. IF FINAL GRADING, LOAMING AND SEEDING WILL NOT OCCUR WITHIN 15 DAYS, SEE ITEM NO. 4.
 - PRIOR TO THE START OF CONSTRUCTION IN A SPECIFIC AREA, SILT FENCING AND/OR HAY BALES WILL BE INSTALLED AT THE TOE OF SLOPE AND IN AREAS AS LOCATED ON THE PLANS TO PROTECT AGAINST ANY CONSTRUCTION RELATED EROSION. IMMEDIATELY FOLLOWING CONSTRUCTION OF CULVERTS AND SWALES, RIP RAP APRONS SHALL BE INSTALLED, AS SHOWN ON THE PLANS.
 - TOPSOIL WILL BE STOCKPILED WHEN NECESSARY IN AREAS WHICH HAVE MINIMUM POTENTIAL FOR EROSION AND WILL BE KEPT AS FAR AS POSSIBLE FROM THE EXISTING DRAINAGE COURSE. NO STOCKPILE SHALL BE CLOSER THAN 100' OF A RESOURCE INCLUDING, BUT NOT LIMITED TO, WETLANDS, STREAMS, AND OPEN WATER BODIES. ALL STOCKPILES SHALL HAVE A SILTATION FENCE BELOW THEM REGARDLESS OF TIME OF PRESENCE. ALL STOCKPILES EXPECTED TO REMAIN LONGER THAN 15 DAYS SHALL BE:
 - TREATED WITH ANCHORED MULCH (WITHIN 5 DAYS OF THE LAST DEPOSIT OF STOCKPILED SOIL).
 - SEDED WITH CONSERVATION MIX AND MULCHED IMMEDIATELY.
 - INSTALL SILT FENCE AROUND STOCKPILE AT BASE OF PILE.
 - ALL DISTURBED AREAS EXPECTED TO REMAIN LONGER THAN 30 DAYS SHALL BE EITHER:
 - TREATED WITH ANCHORED MULCH IMMEDIATELY, OR
 - SEDED WITH CONSERVATION MIX OF ANNUAL RYE GRASS (0.9 LBS/1000 SQ. FT) AND MULCHED IMMEDIATELY.
 - ALL GRADING WILL BE HELD TO A MAXIMUM 2:1 SLOPE WHERE PRACTICAL. ALL SLOPES WILL BE STABILIZED WITH PERMANENT SEEDING, OR WITH STONE, WITHIN 5 DAYS AFTER FINAL GRADING IS COMPLETE. (SEE POST-CONSTRUCTION REVEGETATION FOR SEEDING SPECIFICATION.)
 - ALL CULVERTS WILL BE PROTECTED WITH STONE RIPRAP (D50 = 6" UNLESS OTHERWISE SPECIFIED) AT INLETS AND OUTLETS.

POST-CONSTRUCTION REVEGETATION

THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION AS SOON AS AN AREA IS READY TO UNDERGO FINAL GRADING.

- A MINIMUM OF 4" OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND GRADED TO A UNIFORM DEPTH AND NATURAL APPEARANCE, OR STONE WILL BE PLACED ON SLOPES TO STABILIZE SURFACES.
- IF FINAL GRADING IS REACHED DURING THE NORMAL GROWING SEASON (4/15 TO 9/15), PERMANENT SEEDING WILL BE DONE AS SPECIFIED BELOW. PRIOR TO SEEDING, LIMESTONE SHALL BE APPLIED AT A RATE OF 138 LBS/1000 SQ. FT. AND 10:20:20 FERTILIZER AT A RATE OF 18.4 LBS/1000 SQ.FT WILL BE APPLIED. BROADCAST SEEDING AT THE FOLLOWING RATES:

LAWN	SWALES
KENTUCKY BLUEGRASS 0.46 LBS/1000 SF. CREEPING RED FESCUE 0.46 LBS/1000 SF. PERENNIAL RYE GRASS 0.11 LB/1000 SF.	RED TOP 0.05 LBS/1000 SF. TALL FESCUE 0.46 LBS/1000 SF.
- AN AREA SHALL BE MULCHED IMMEDIATELY AFTER IS HAS BEEN SEDED. MULCHING SHALL CONSIST OF HAY MULCH, HYDRO-MULCH, JUTE NET OVER MULCH, PRE-MANUFACTURED EROSION MATS OR ANY SUITABLE SUBSTITUTE DEEMED ACCEPTABLE BY THE DESIGNER.
 - HAY MULCH SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. HAY MULCH SHALL BE SECURED BY EITHER: (NOTE: SOIL SHALL NOT BE VISIBLE)
 - BEING DRIVEN OVER BY TRACKED CONSTRUCTION EQUIPMENT ON GRADES OF 5% AND LESS.
 - BLANKETED BY TACKED PHOTODEGRADABLE/BIODEGRADABLE NETTING, OR WITH SPRAY, ON GRADES GREATER THAN 5%.
 - SEE NOTE 6, GENERAL NOTES, AND NOTE 8, WINTER CONSTRUCTION.
 - HYDRO-MULCH SHALL CONSIST OF A MIXTURE OF EITHER ASPHALT, WOOD FIBER OR PAPER FIBER AND WATER SPRAYED OVER A SEEDER AREA. HYDRO-MULCH SHALL NOT BE USED BETWEEN 9/15 AND 4/15.
- CONSTRUCTION SHALL BE PLANNED TO ELIMINATE THE NEED FOR SEEDING BETWEEN SEPTEMBER 15 AND APRIL 15. SHOULD SEEDING BE NECESSARY BETWEEN SEPTEMBER 15 AND APRIL 15 THE FOLLOWING PROCEDURE SHALL BE FOLLOWED. ALSO REFER TO NOTE 9 OF WINTER CONSTRUCTION.
 - ONLY UNFROZEN LOAM SHALL BE USED.
 - LOAMING, SEEDING AND MULCHING WILL NOT BE DONE OVER SNOW OR ICE COVER. IF SNOW EXISTS, IT MUST BE REMOVED PRIOR TO PLACEMENT OF SEED.
 - WHERE PERMANENT SEEDING IS NECESSARY, ANNUAL WINTER RYE (1.2 LBS/1000 SQ.FT) SHALL BE ADDED TO THE PREVIOUSLY NOTED AREAS.
 - WHERE TEMPORARY SEEDING IS REQUIRED, ANNUAL WINTER RYE (2.6 LBS/1000 SQ. FT.) SHALL BE SOWN INSTEAD OF THE PREVIOUSLY NOTED SEEDING RATE.
 - FERTILIZING, SEEDING AND MULCHING SHALL BE APPLIED TO LOAM THE DAY THE LOAM IS SPREAD BY MACHINERY.
 - ALTERNATIVE HAY MULCH SHALL BE SECURED WITH PHOTODEGRADABLE/BIODEGRADABLE NETTING. TRACKING BY MACHINERY ALONE WILL NOT SUFFICE.
- FOLLOWING FINAL SEEDING, THE SITE WILL BE INSPECTED EVERY 30 DAYS UNTIL 85% COVER HAS BEEN ESTABLISHED. RESEEDING WILL BE CARRIED OUT BY THE CONTRACTOR WITHIN 10 DAYS OF NOTIFICATION BY THE ENGINEER THAT THE EXISTING CATCH IS INADEQUATE.

MONITORING SCHEDULE

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MONITORING, MAINTAINING, REPAIRING, REPLACING AND REMOVING ALL OF THE EROSION AND SEDIMENTATION CONTROLS OR APPOINTING A QUALIFIED SUBCONTRACTOR TO DO SO. MAINTENANCE MEASURES WILL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. AFTER EACH RAINFALL, A VISUAL INSPECTION WILL BE MADE OF ALL EROSION AND SEDIMENTATION CONTROLS AS FOLLOWS:

- HAY BALE BARRIERS, SILT FENCE, AND STONE CHECK DAMS SHALL BE INSPECTED AND REPAIRED ONCE A WEEK OR IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL. SEDIMENT TRAPPED BEHIND THESE BARRIERS SHALL BE EXCAVATED WHEN IT REACHES A DEPTH OF 6" AND REDISTRIBUTED TO AREAS UNDERGOING FINAL GRADING. SHOULD THE HAY BALE BARRIERS PROVE TO BE INEFFECTIVE, THE CONTRACTOR SHALL INSTALL SILT FENCE BEHIND THE HAY BALES.
- VISUALLY INSPECT RRAP ONCE A WEEK OR AFTER EACH SIGNIFICANT RAINFALL AND REPAIR AS NEEDED. REMOVE SEDIMENT TRAPPED BEHIND THESE DEVICES ONCE IT ATTAINS A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE DAM OR RISER. DISTRIBUTE REMOVED SEDIMENT OFF-SITE OR TO AN AREA UNDERGOING FINAL GRADING.
- REVEGETATION OF DISTURBED AREAS WITHIN 25' OF DRAINAGE-COURSE/STREAM WILL BE SEDED WITH THE "MEADOW AREA MIX" AND INSPECTED ON A WEEKLY BASIS OR AFTER EACH SIGNIFICANT RAINFALL AND RESEEDED AS NEEDED. EXPOSED AREAS WILL BE RESEED AS NEEDED UNTIL THE AREA HAS OBTAINED 100% GROWTH RATE. PROVIDE PERMANENT RRAP FOR SLOPES IN EXCESS OF 3:1 AND WITHIN 25' OF DRAINAGE COURSE.

EROSION CONTROL DURING WINTER CONSTRUCTION

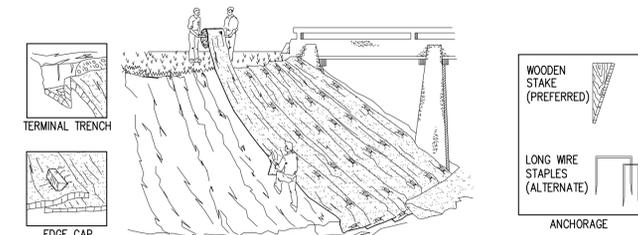
- WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.
- WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
- EXPOSED AREA SHALL BE LIMITED TO THOSE AREAS TO BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT. AT THE END OF EACH WORK WEEK NO AREAS MAY BE LEFT UNSTABILIZED OVER THE WEEKEND.
- CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.
- AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 150 LB. PER 1000 S.F. (WITH OR WITHOUT SEEDING) OR DORMANT SEED, MULCHED AND ANCHORED SUCH THAT SOIL SURFACE IS NOT VISIBLE THROUGH THE MULCH. NOTE: AN AREA IS ALSO CONSIDERED STABLE IF SOLDED, COVERED WITH GRAVEL (PARKING LOTS) OR STRUCTURAL SAND.
- BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1 AND IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED WITH A UNIFORM SURFACE, THEN THE AREA MAY BE DORMANT SEDED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY GRADED BEFORE FREEZING AND THE SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. SLOPES SHALL NOT BE LEFT UNEXPOSED OVER THE WINTER OR ANY OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW, DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF BALES OF HAY, SILT FENCE OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS SHOWN ON THE DESIGN DRAWINGS. NOTE: DORMANT SEEDING SHOULD NOT BE ATTEMPTED UNLESS SOIL TEMPERATURE REMAINS BELOW 50 DEGREES AND DAY TIME TEMPERATURES REMAIN IN THE 30'S.
- MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPES EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%. VEGETATED DRAINAGE SWALES SHALL BE LINED WITH EXCELSIOR OR CURLEX.
- MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1 THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
- BETWEEN THE DATES OF OCTOBER 15 TO NOVEMBER 1, WINTER RYE IS RECOMMENDED FOR STABILIZATION. AFTER NOVEMBER 1, WINTER RYE IS NOT EFFECTIVE. AROUND NOVEMBER 15 OR LATER, ONCE TEMPERATURES OF THE AIR AND SOIL PERMIT, DORMANT SEEDING IS EFFECTIVE.
- IN THE EVENT OF SNOWFALL (FRESH OR CUMULATIVE) GREATER THAN 1 INCH DURING WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM THE AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.

SITE INSPECTION AND MAINTENANCE

- WEEKLY INSPECTIONS, AS WELL AS ROUTINE INSPECTIONS FOLLOWING RAIN FALLS, SHALL BE CONDUCTED BY THE GENERAL CONTRACTOR OF ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES UNTIL FINAL ACCEPTANCE OF THE PROJECT (85% GRASS CATCH). NECESSARY REPAIRS SHALL BE MADE TO CORRECT UNDERMINING OR DETERIORATION. FINAL ACCEPTANCE SHALL INCLUDE A SITE INSPECTION TO VERIFY THE STABILITY OF ALL DISTURBED AREAS AND SLOPES. UNTIL FINAL INSPECTION, ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL IMMEDIATELY BE CLEANED, AND REPAIRED BY THE GENERAL CONTRACTOR AS REQUIRED. DISPOSAL OF ALL TEMPORARY EROSION AND CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- IT IS RECOMMENDED THAT THE OWNER HIRE THE SERVICES OF THE DESIGN ENGINEER TO PROVIDE COMPLIANCE INSPECTIONS (DURING ACTIVE CONSTRUCTION) RELATIVE TO IMPLEMENTATION OF THE STORMWATER AND EROSION CONTROL PLANS. SUCH INSPECTIONS SHOULD BE LIMITED TO ONCE A WEEK OR AS NECESSARY AND BE REPORTABLE TO THE OWNER, TOWN AND DEP.
- SHORT-TERM SEDIMENTATION MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAN OUT ALL SWALES AND STRUCTURES PRIOR TO TURNING PROJECT OVER TO THE CITY.

MAINTENANCE AFTER CONSTRUCTION

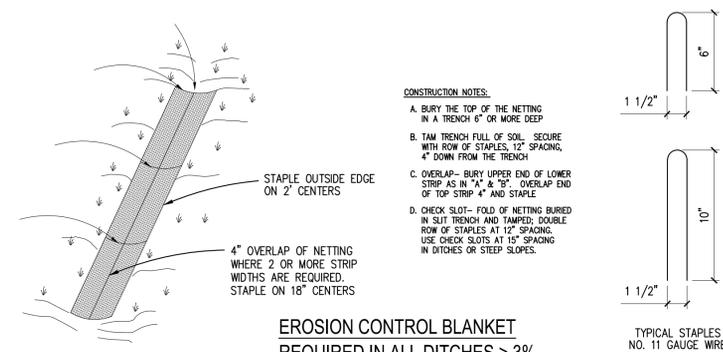
- LONG-TERM PROVISIONS FOR PERMANENT MAINTENANCE OF ALL EROSION AND SEDIMENTATION CONTROL FACILITIES AFTER ACCEPTANCE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE OWNER OR THEIR DESIGNEE. SUCH RESPONSIBILITIES INCLUDE BUT ARE NOT LIMITED TO THOSE DETAILED AS FOLLOWS:
 - PARKING LOT SHALL BE MECHANICALLY SWEEPED TWICE PER YEAR. THE FIRST SHALL TAKE PLACE IN THE MID WINTER (JANUARY THAW) TO REMOVE ACCUMULATED SANDS FROM WINTER SANDING TO THIS POINT. THE SECOND SWEEPING SHALL TAKE PLACE AFTER WINTER SANDING OPERATIONS TERMINATE BUT PRIOR TO MAY 1.
 - INSPECTION OF STORMWATER OUTLET STRUCTURE SHOULD BE CONDUCTED TWICE PER YEAR. ACCESS TO THE STRUCTURE IS THROUGH THE TOP. THE OIL/WATER SEPARATOR UNIT SHALL BE PUMPED DOWN AND THE SEDIMENT AND TRASH SHALL BE REMOVED AT THE TIME OF THE INSPECTION. THE REMOVAL OF ALL SEDIMENT AND TRASH WILL HELP MINIMIZE VOLUME LOSS.
- THE OWNER SHALL FILE A YEARLY MAINTENANCE REPORT TO THE CITY DOCUMENTING THE REQUIRED MAINTENANCE FOR THE STORMWATER SYSTEM.



- UNROLL MAT ONTO GROUND IN DIRECTION OF WATER FLOW.
- MAT SHOULD LIE FLAT. DO NOT STRETCH MAT OVER GROUND. STRETCHING MAY CAUSE MAT TO BRIDGE DEPRESSIONS IN THE SURFACE AND ALLOW EROSION UNDERNEATH.
- BURY TRANSVERSE TERMINAL ENDS OF MAT TO SECURE AND PREVENT EROSION UNDERNEATH.
- SECURE MAT SNUGLY INTO ALL TRANSVERSE CHECK SLOTS.
- BACKFILL AND COMPACT TRENCHES AND CHECK SLOTS AFTER STAKING THE MAT IN BOTTOM OF TRENCH.
- OVERLAP ROLL ENDS BY THREE (3) FEET (MIN.) WITH UPSLOPE MAT ON TOP TO PREVENT UPLIFT OF MAT END BY WATER FLOW. IF INSTALLING IN THE DIRECTION OF A CONCENTRATED WATER FLOW, START NEW ROLLS IN A TRANSVERSE DITCH.
- OVERLAP ADJACENT EDGES OF MAT BY THREE (3) INCHES (MIN.) AND STAKE.
- WOOD STAKES ARE RECOMMENDED FOR PINNING MAT TO THE GROUND SURFACE. STAKES SHOULD BE 1" X 3" NOMINAL STOCK CUT IN A TRIANGULAR SHAPE. STAKES SHOULD BE 12" TO 18" LONG, DEPENDING ON SOIL DENSITY.
- DRIVE WOODEN STAKES TO WITHIN THREE (3) INCHES OF GROUND SURFACE. DO NOT DRIVE FLUSH TO SURFACE.
- IN ALL TRANSVERSE TERMINAL TRENCHES AND CHECK SLOTS, STAKE EACH MAT AT ITS CENTER AND OVERLAP EDGES BEFORE BACKFILLING AND COMPACTING.
- STAKE OVERLAPS LONGITUDINALLY AT THREE (3) TO FIVE (5) FOOT INTERVALS.
- FOLLOW COLORED DOT PATTERNS BY MANUFACTURER

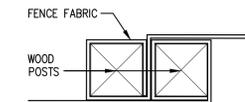
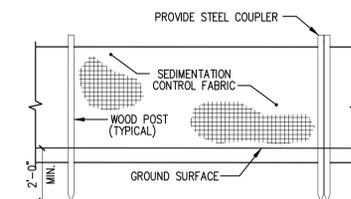
REQUIRED ON ALL SLOPES > 8% (WINTER CONSTRUCTION)
REQUIRED ON ALL SLOPES > 15% (SUMMER CONSTRUCTION)

**EROSION CONTROL BLANKET
GENERAL INSTALLATION GUIDELINES ON SLOPES**



**EROSION CONTROL BLANKET
REQUIRED IN ALL DITCHES > 3%**

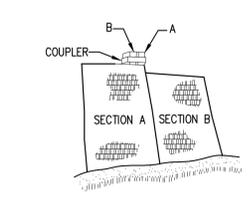
NOTE: GRADING PLAN GOVERNS IN ALL LOCATIONS



NOTE: BOTTOM OF SILT FENCE MUST BE TOED INTO GROUND

SILTATION FENCE DETAIL

NTS



SILTATION FENCE INSTALLATION

- EXCAVATE A 6"x6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.
- UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.
- DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM. JOIN SECTIONS AS SHOWN ABOVE.
- LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING THE FABRIC FLAP ON UNDISTURBED GROUND AND PILING AND TAMPING FILL AT THE BASE, BUT MUST BE ACCOMPLISHED BY AN INTERCEPTION DITCH.
- BARRIER SHALL BE MIRAFI SILT FENCE OR APPROVED EQUAL.

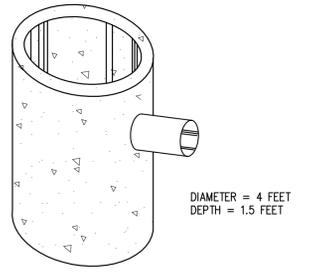
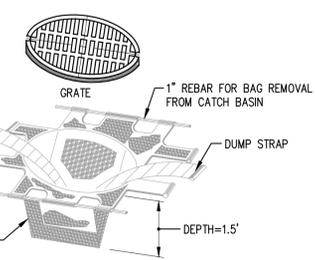
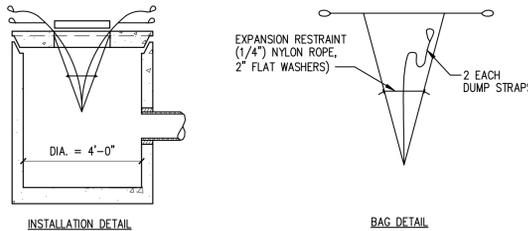
EROSION CONTROL MIX DETAIL

NTS.

EROSION CONTROL DETAILS

"SILTSACK" INSTALLATION INSTRUCTION

- REMOVE THE CATCH BASIN GRATE AND PLACE THE SACK INTO THE OPENING. HOLD OUT APPROXIMATELY SIX (6) INCHES OF THE SACK BEYOND THE BASIN FRAME TO ALLOW ACCESS TO THE "SILTSACK" LIFTING STRAPS. REPLACING THE GRATE BACK INSIDE OF ITS FRAME WILL HOLD THE SACK IN PLACE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING AND MAINTAINING THIS SEDIMENT CONTROL DEVICE. THE SACK IS CONSIDERED FULL AND READY TO EMPTY WHEN THE "RESTRAINT CORD" IS NO LONGER VISIBLE.
- THE "SILTSACK" IS REMOVED BY PLACING TWO (2) PIECES IF 1 INCH DIAMETER REBAR THROUGH THE LIFTING LOOPS LOCATED ON EACH SIDE OF THE SACK AND LIFTING WITH AN APPROPRIATE PIECE OF CONSTRUCTION EQUIPMENT. THE LIFTING STRAPS ARE CONNECTED TO THE BOTTOM OF THE SACK AND THE LIFTING ACTION WILL CAUSE THE SACK TO TURN INSIDE OUT, AND EMPTYING THE CONTENTS. THE SACK SHOULD THEN BE CLEANED, RINSED AND RETURNED TO ITS ORIGINAL SHAPE AND PLACED BACK IN THE BASIN.
- THE "SILTSACK" IS REUSABLE, THEREFORE, ONCE THE CONSTRUCTION CYCLE IS COMPLETE, REMOVE THE SACK FROM THE BASIN, CLEAN AND STORE OUT OF DIRECT SUNLIGHT UNTIL ITS NEXT USE.
- THE "SILTSACK" SEDIMENT CONTROL DEVICE IS MANUFACTURED BY: ACE ENVIRONMENTAL



424 Fore Street
Portland, ME 04101
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www.cascobayengineering.com

CLIENT:
LATC
c/o AVCOG
125 MANLEY ROAD
AUBURN, ME 04210

**PRELIMINARY
NOT FOR CONSTRUCTION**

**DOWNTOWN AUBURN
TRANSPORTATION CENTER**
GREAT FALLS PLAZA
AUBURN, MAINE
PROPOSED BUILDING

No.	DESCRIPTION	DR.	CHK.	BY	DATE	ED.	ED.
C	65% SUBMISSION				4-17-15		

SHEET TITLE:

EROSION CONTROL DETAILS

DESIGNED: ED
DRAWN: ED
DATE: 4-14-15
PROJECT NUMBER: 14-124

C300

NTS

A/C	AIR CONDITIONING	E	EAST	LF	LAWN FAUCET	S	SANITARY
AB	ANCHOR BOLT	EB	EXPANSION BOLT	LF	LINEAL FEET	S	SOIL
ABT	ABOUT	EF	EXHAUST FAN	LG	LONG	S	SOUTH
AC	ACOUSTICAL	EIFS	EXTERIOR INSULATED FINISH SYSTEM	LL	LIVE LOAD	S	STEAM
ACB	ABOVE CEILING BELOW	EJ	EXPANSION JOINT	LPS	LOW PRESSURE STEAM	SA	SUPPLY AIR
ACT	ACOUSTICAL TILE	EL	ELEVATION (S)	LTG	LIGHTING	SD	SMOKE DAMPER
AD	ACCESS DOOR	ELEC	ELECTRIC (AL)	LTL	LINTEL	SD	STORM DRAIN
ADJ	ADJUSTABLE	EM	ELECTRIC MANHOLE	LTW	LOW TEMPERATURE STEAM	SDMH	STORM DRAIN MANHOLE
AFF	ABOVE FINISH FLOOR	EP	ELECTRIC PANEL	LW	LIMIT OF WORK	SEC	SECTION
AFG	ABOVE FINISH GRADE	EQ	EQUAL	M	METER (S)	SF	SUPPLY FAN
AL	ACOUSTICAL LINING	ER	EXHAUST REGISTER	MAS	MASONRY	SG	SUPPLY GRILLE
AL	ALUMINUM	ES	EACH SIDE	MAX	MAXIMUM	SHT	SHEET
ALT	ALTERNATE	EST	ESTIMATE	MBH	1000 BRITISH THERMAL UNIT	SIM	SIMILAR
AP	ACCESS PANEL	EWC	ELECTRIC WATER COOLER	MD	MANUAL DAMPER	SK	SINK
APX	APPROXIMATE	EXG	EXISTING	MD	MOTORIZED DAMPER	SMU	SOLID MASONRY UNIT
ARCH	ARCHITECT (URAL)	EXP	EXPANSION	MECH	MECHANICAL	SPEC	SPECIFICATION (S)
		EXT	EXTERIOR	MED	MEDIUM	SPF	SPRUCE PINE FIR
B/W	BOTTOM OF WALL	FA	FIRE ALARM	MET	METAL	SQ	SQUARE
BD	BOARD	FAI	FRESH AIR INTAKE	MFR	MANUFACTURE (R)	SR	SUPPLY REGISTER
BDD	BACKDRAFT DAMPER	FC	FLEXIBLE CONNECTION	MH	MANHOLE	SS	STAINLESS STEEL
BIT	BITUMINOUS	FCO	FLOOR CLEANOUT	MIN	MINIMUM	SSK	SERVICE SINK
BJ	BAR JOIST	FD	FIRE DAMPER	MISC	MISCELLANEOUS	STD	STANDARD
BLDG	BUILDING	FD	FLOOR DRAIN	MM	MILLIMETER (S)	STL	STEEL
BLKG	BLOCKING	FD	FOUNDATION DRAIN	MO	MASONRY OPENING	STOR	STORAGE
BM	BENCH MARK	FE	FIRE EXTINGUISHER	MR	MOP RECEPTOR	SYM	SYMMETRY (ICAL)
BOF	BOTTOM OF FOOTING	FHS	FIRE HOSE STATION	MT	METAL THRESHOLD	SYS	SYSTEM
BOT	BOTTOM	FIN	FINISH (ED)	MTD	MOUNTED	T	TREAD
BP	BEARING PLATE	FL	FINISH LENGTH	N	NORTH	T&G	TONGUE & GROOVE
BSMT	BASEMENT	FLG	FLASHING	NA	NOT APPLICABLE	T*STAT	THERMOSTAT
BSP	BASE PLATE	FLR	FLOOR (ING)	NC	NORMALLY CLOSED	TB	TEST BORING
BTU	BRITISH THERMAL UNIT	FOC	FACE OF CONCRETE	NIC	NOT IN CONTRACT	TD	TRANSFER DUCT
		FOS	FACE OF STUD	NO	NORMALLY OPEN	TD	TRENCH DRAIN
CAB	CABINET	FRR	FLOOR RETURN REGISTER	No	NUMBER	TEL	TELEPHONE
CB	CATCHBASIN	FS	FAR SIDE	NS	NEAR SIDE	TG	TRANSFER GRILLE
CD	CEILING DIFFUSER	FTG	FOOTING	NTS	NOT TO SCALE	THK	THICK (NESS)
CEM	CEMENT (ITIOUS)	FY	MINIMUM YIELD STRESS (KSI)	OC	ON CENTER (S)	TKBD	TACKBOARD
CER	CERAMIC			OD	OUTSIDE DIAMETER	TL	TOTAL LOAD
CF	CUBIC FEET	GA	GAGE, GAUGE	OED	OPEN END DUCT	TOC	TOP OF CONCRETE
CFM	CUBIC FEET PER MINUTE	GALV	GALVANIZED	OFF	OFFICE	TOF	TOP OF FOOTING
CG	CEILING GRILLE	GB	GRAB BAR	OPG	OPENING	TOS	TOP OF STEEL
CHBD	CHALKBOARD	GC	GENERAL CONTRACT (OR)	OPH	OPPOSITE HAND	TP	TEST PIT
CHT	CEILING HEIGHT	GL	GLASS	OPP	OPPOSITE	TPTN	TOILET PARTITION
CHWS	CHILLED WATER SUPPLY	GPDW	GYPSUM DRY WALL			TV	TELEVISION
CI	CAST IRON	GPM	GALLONS PER MINUTE			TYP	TYPICAL
CJT	CONTROL JOINT	GV	GATE VALVE	P	PLATE	UD	UNDERDRAIN
CL	CLOSET	H	HARDENER	P	PLUMBING	UGD	UNDERGROUND DUCTWORK
CLG	CEILING	HB	HOSE BIB	P	PUMP	UH	UNIT HEATER
CM	CENTIMETER (S)	HD	HUB DRAIN	PAR	PARALLEL	UNO	UNLESS NOTED OTHERWISE
CMF	CORRUGATED METAL PIPE	HM	HOLLOW METAL	PFN	PREFINISHED	UR	URINAL
CMU	CONCRETE MASONRY UNIT	HORIZ	HORIZONTAL	PL	PROPERTY LINE	UV	UNIT VENTILATOR
CO	CLEANOUT	HPS	HIGH PRESSURE STEAM	PLAM	PLASTIC LAMINATE	V	VENT
COL	COLUMN	HT	HEIGHT	PNL	PANEL	VAV	VARIABLE AIR VOLUME
CONC	CONCRETE	HTG	HEATING	PNT	PAINT (ED)	VB	VINYL BASE
CONN	CONNECT	HTW	HOT TEMPERATURE WATER	PP	POINT TO POINT	VCT	VINYL COMPOSITION TILE
CONST	CONSTRUCTION	HVAC	HEATING - VENTILATING - AIR CONDITIONING	PSF	POUNDS PER SQUARE FOOT	VD	VOLUME DAMPER
CONT	CONTINUE (OUS)	HW	HOT WATER	PT	POINT	VERT	VERTICAL
CONTR	CONTRACT (OR)	HYD	HYDRANT	PTN	PARTITION	VF	VINYL FABRIC
CORR	CORRUGATED	ID	INSIDE DIAMETER	PVC	POLYVINYL CHLORIDE	VTR	VENT THRU ROOF
CPT	CARPET (ED)	INS	INSULATE (D) (ION)	PWD	PLYWOOD	W	WEST, WIDTH, WIDE
CR	CONDENSATE RETURN	INT	INTERIOR	PWG	POLISHED WIRE GLASS	W/	WITH
CT	CERAMIC TILE	INV	INVERT	QT	QUARRY TILE	W/O	WITHOUT
CUH	CABINET UNIT HEATER	IPS	IRON PIPE SIZE	R	RISER	WC	WATER CLOSET
CULV	CULVERT	JC	JANITOR'S CLOSET	RA	RETURN AIR	WCH	WATER CLOSET HANDICAP
CV	CONVECTOR	JT	JOINT	RAD	RADIATION	WCO	WALL CLEANOUT
CW	COLD WATER	K	KIPS	RAD	RADIUS	WD	WOOD
CY	CUBIC YARD	KIT	KITCHEN	RB	RUBBER BASE	WG	WALL GRILLE
		KSI	KIPS PER SQUARE INCH	RD	ROOF DRAIN	WH	WALL HUNG
DF	DOUGLAS FIR	LAB	LABORATORY	REF	REFERENCE	WIN	WINDOW
DF	DRINKING FOUNTAIN	LAM	LAMINATE (D)	REFR	REFRIGERATOR	WP	WORKING POINT
DG	DOOR GRILLE	LAV (L)	LAVATORY	REV	REVISION (S)	WR	WALL REGISTER
DH	DOUBLE HUNG	LD	LINEAR DIFFUSER	RG	RETURN GRILLE	WWF	WELDED WIRE FABRIC
DIA	DIAMETER	LD	LINED DUCT	RL	ROOF LEADER		
DIAG	DIAGONAL			RM	ROOM		
DIM	DIMENSION			RO	ROUGH OPENING		
DIV	DIVISION			ROW	RIGHT OF WAY		
DL	DEAD LOAD			RR	RETURN REGISTER		
DMT	DEMOUNTABLE						
DN	DOWN						
DTL	DETAIL						
DW	DUCT WRAP						
DWG	DRAWING						

SYMBOLS USED AS ABBREVIATIONS

L	ANGLE
CL	CENTERLINE
C	CHANNEL
Ø	DIAMETER
PL	PLATE
□	SQUARE

A1 CONTRACT DRAWING ABBREVIATIONS
NO SCALE

PLAN - SECTION

VIEW TITLE

VIEW TITLE
VIEW SCALE
SEE TITLE BLOCK FOR GRAPHIC SCALE
INDICATES ELEVATION, SECTION OR DETAIL NUMBER

BUILDING SECTION
A1 A25.1 A25.1

WALL SECTION
A1 A30.1

EXTERIOR ELEVATION
A1 A20.1

INTERIOR ELEVATION
A1 A81.1 A3 A4

DETAIL
A1 A50.1

THE FOLLOWING APPLIES TO THE MARKERS ABOVE:
INDICATES ELEVATION, SECTION OR DETAIL NUMBER
INDICATES DRAWING SHEET ON WHICH ELEVATION, SECTION OR DETAIL IS SHOWN

COLUMN REFERENCE GRID
A

LEVEL LINE

WALL OR PARTITION TYPE
216

ROOM NAME AND NUMBER
ROOM NAME
101

EQUIPMENT OR FURNITURE NUMBER
72

DOOR OR BORROW LIGHT NUMBER
201

WINDOW TYPE
#

CEILING TYPE AND HEIGHT AFF
ACT1 10'-0"

FLOOR FINISH
VCT3

KEYNOTE OR MATERIAL TAG
#

REVISION
1

PROJECT NORTH

A4 GRAPHIC SYMBOLS LEGEND
NO SCALE

PLAN - SECTION

EARTH

POROUS FILL
(STONE OR GRAVEL, ETC)

ROCK

LIGHTWEIGHT CONCRETE
(OR CONCRETE FILL)

STRUCTURAL CONCRETE
(CAST-IN-PLACE, PRECAST, ETC)

BRICK (COMMON OR FACE)

CONCRETE MASONRY UNITS

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

STEEL STUD

EXISTING TO REMAIN

WOOD STUD

EXISTING TO BE REMOVED

A5 MATERIALS LEGEND
NO SCALE

HARRIMAN

DOWNTOWN AUBURN TRANSPORTATION CENTER



Issues and Revisions

Mark	Date	Description
3/6/15	50% SUBMISSION	
4/17/15	65% SUBMISSION	

PRELIMINARY NOT FOR CONSTRUCTION

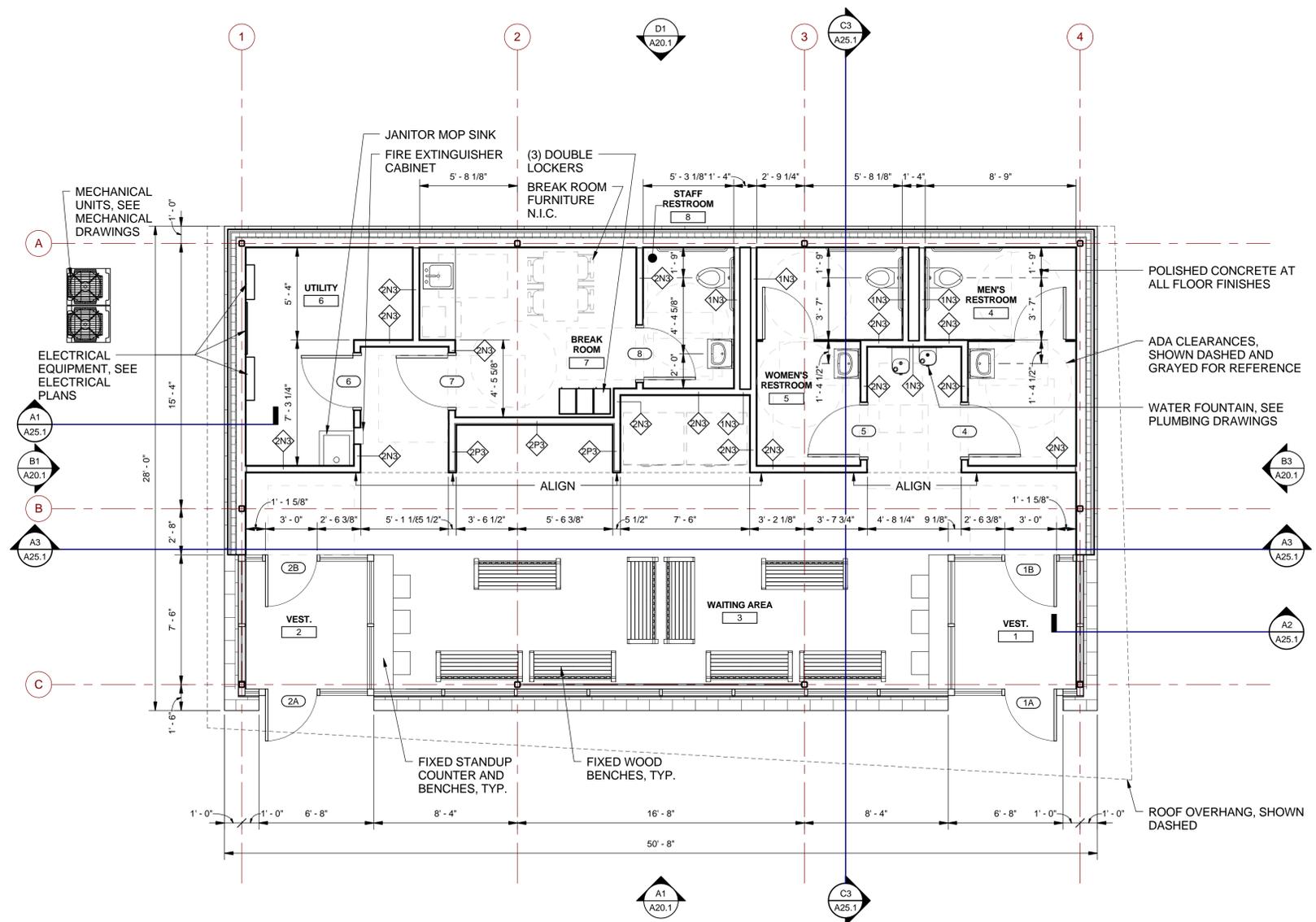
Drawing Scales 12" = 1'-0"	
PA / PE: JLJ	© 2015 Harriman Associates
Drawn By: TRJ	

ABBREVIATIONS AND LEGENDS

DOWNTOWN AUBURN TRANSPORTATION CENTER

AUBURN, MAINE

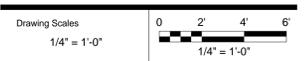
Harriman Project No. 14135



Issues and Revisions

Mark	Date	Description
3/6/15		50% SUBMISSION
4/17/15		65% SUBMISSION

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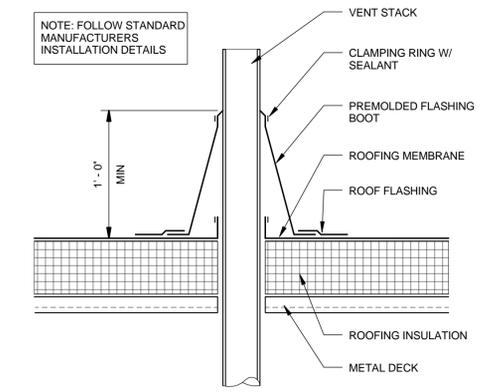


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Drawn By: TRJ Harriman Associates

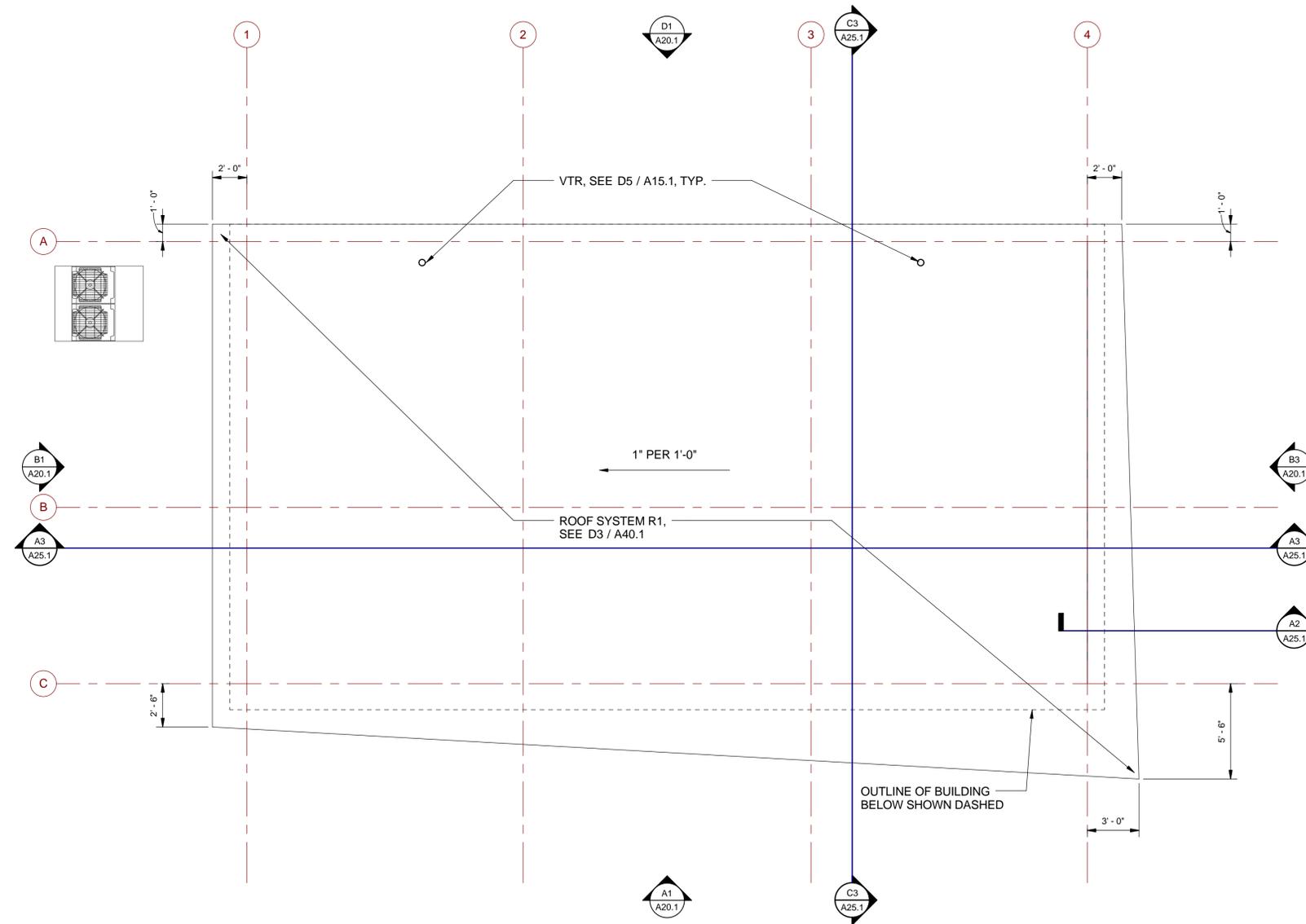
FIRST FLOOR PLAN

A10.1

A2 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



D5 TYPICAL VENT STACK DETAIL
 SCALE: 1 1/2" = 1'-0"



A2 ROOF PLAN
 SCALE: 1/4" = 1'-0"

Issues and Revisions

Mark	Date	Description
3/6/15		50% SUBMISSION
4/17/15		65% SUBMISSION

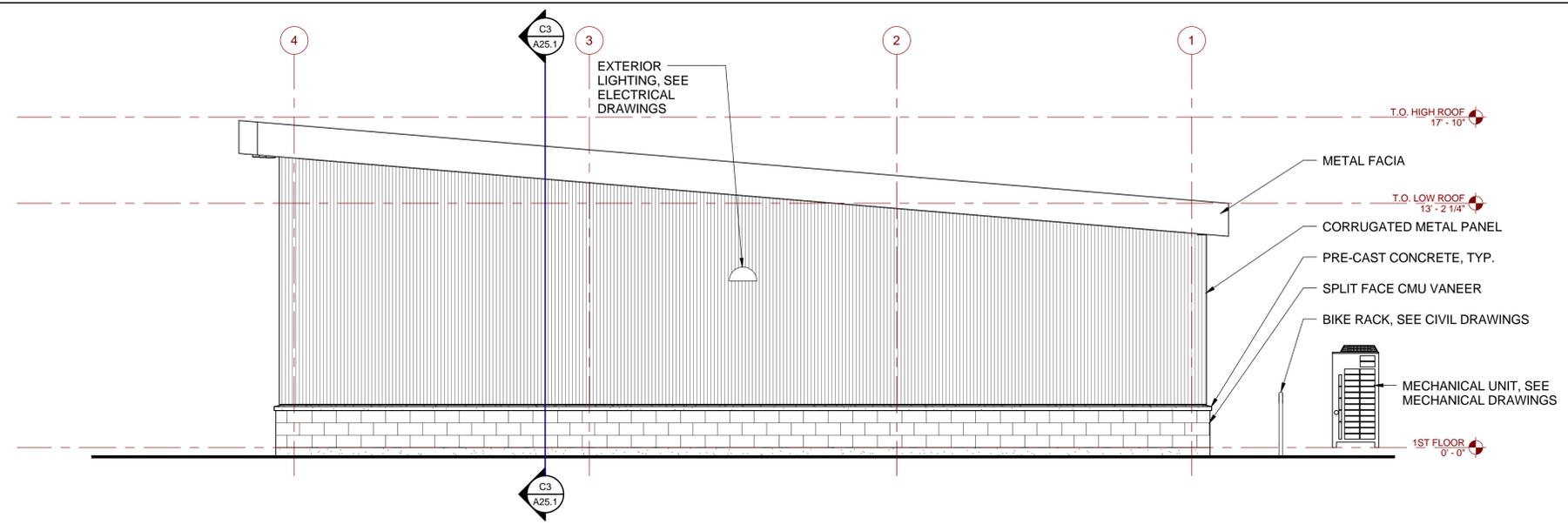
**PRELIMINARY
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As indicated	1/4" = 1'-0"

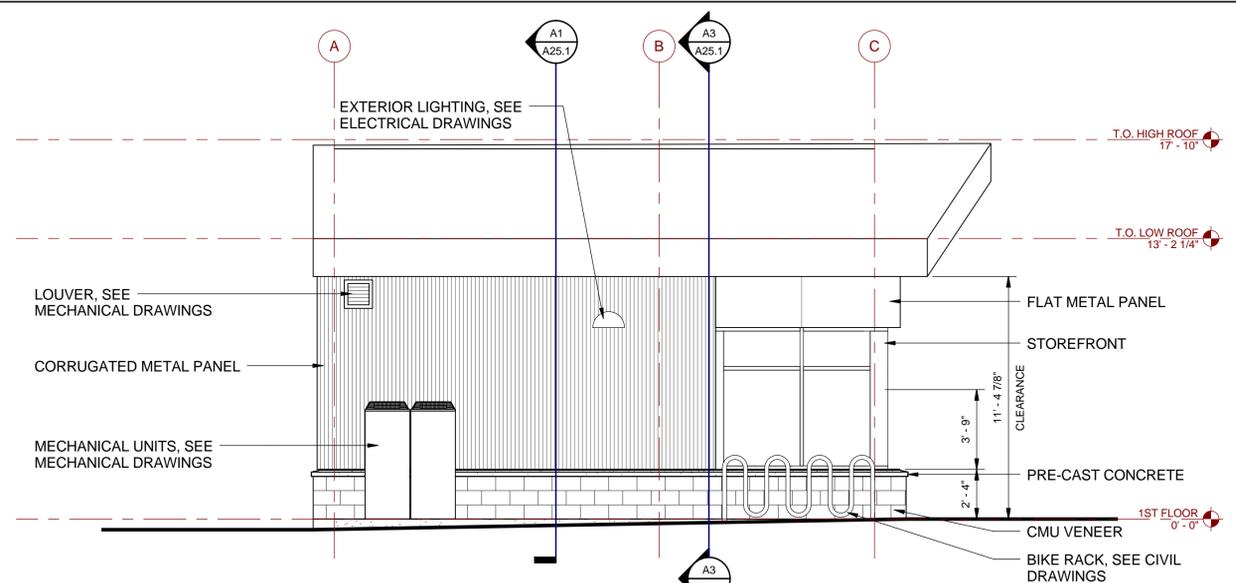
PA / PE: JLJ	© 2015
Drawn By: TRJ	Harriman Associates

ROOF PLAN

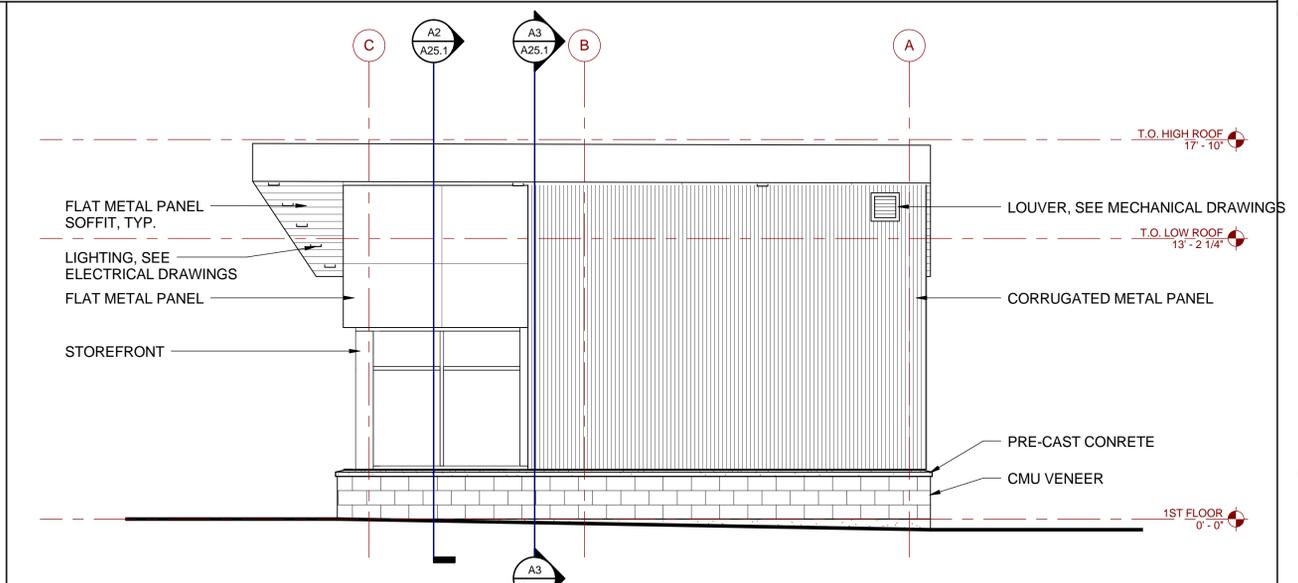
A15.1



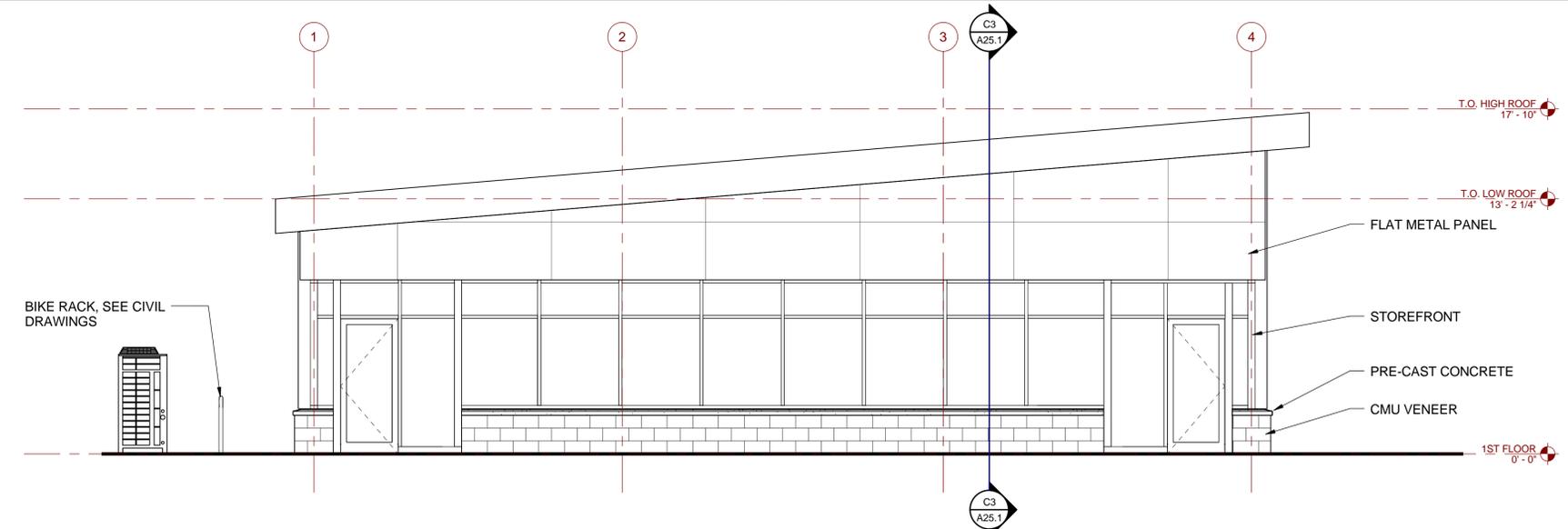
D1 WEST EXTERIOR ELEVATION
 SCALE: 1/4" = 1'-0"



B1 SOUTH EXTERIOR ELEVATION
 SCALE: 1/4" = 1'-0"



B3 NORTH EXTERIOR ELEVATION
 SCALE: 1/4" = 1'-0"



A1 EAST EXTERIOR ELEVATION
 SCALE: 1/4" = 1'-0"

Issues and Revisions		
Mark	Date	Description
3/6/15		50% SUBMISSION
4/17/15		65% SUBMISSION

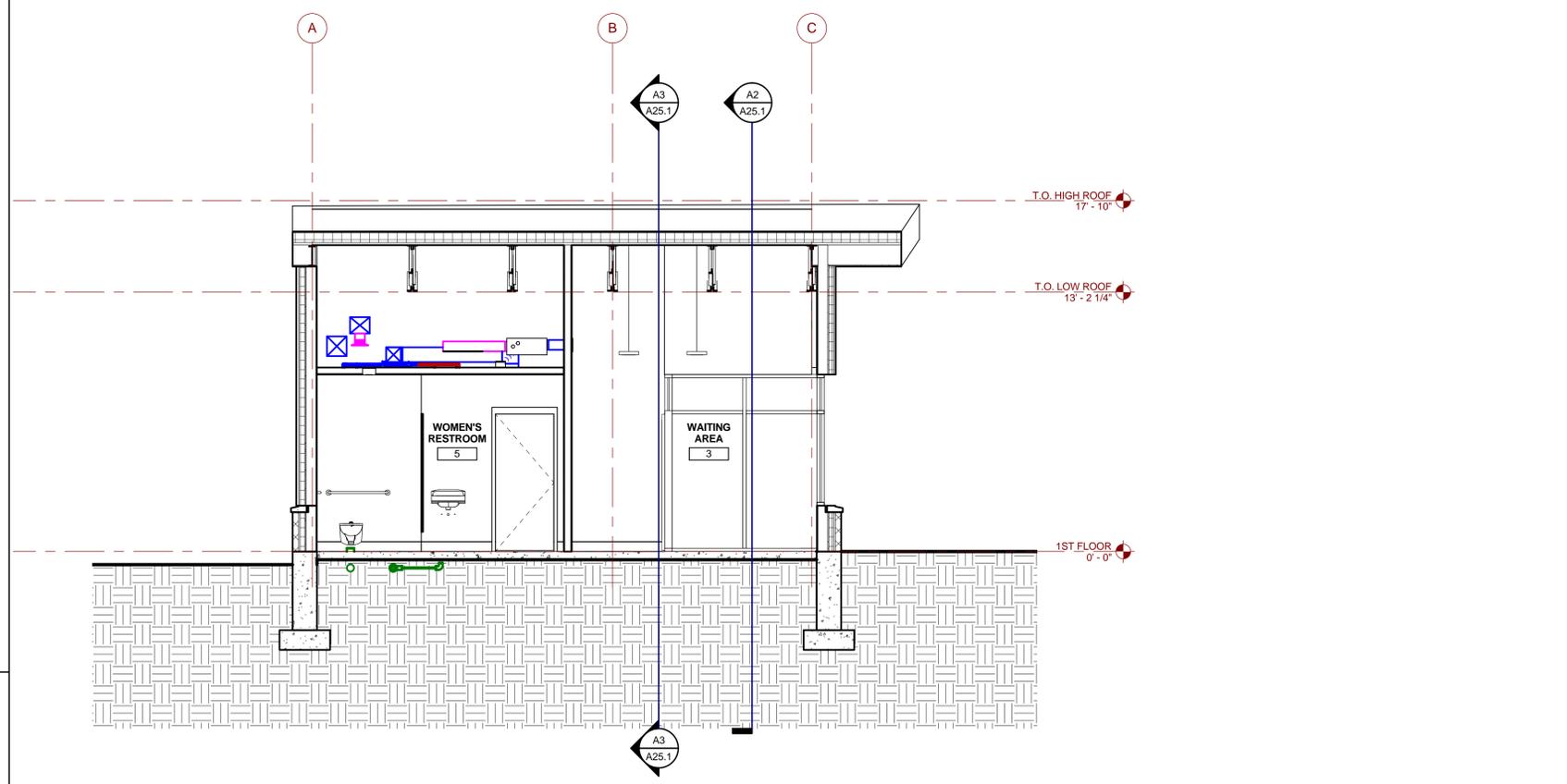
PRELIMINARY NOT FOR CONSTRUCTION



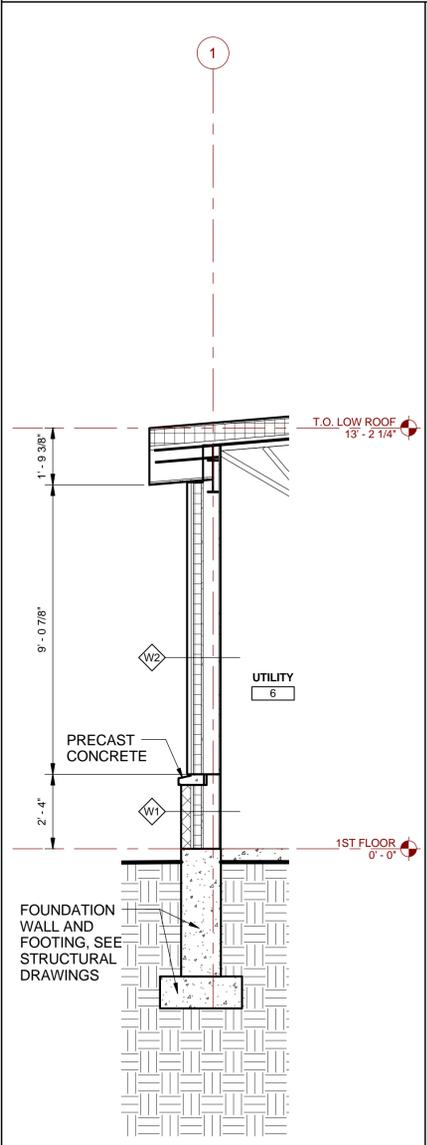
PA / PE: JLJ	© 2015
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EXTERIOR ELEVATIONS

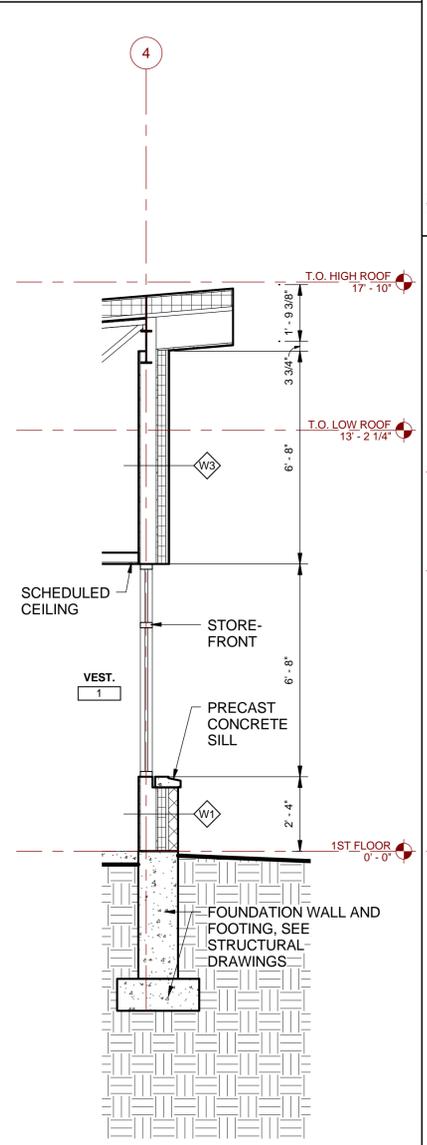
A20.1



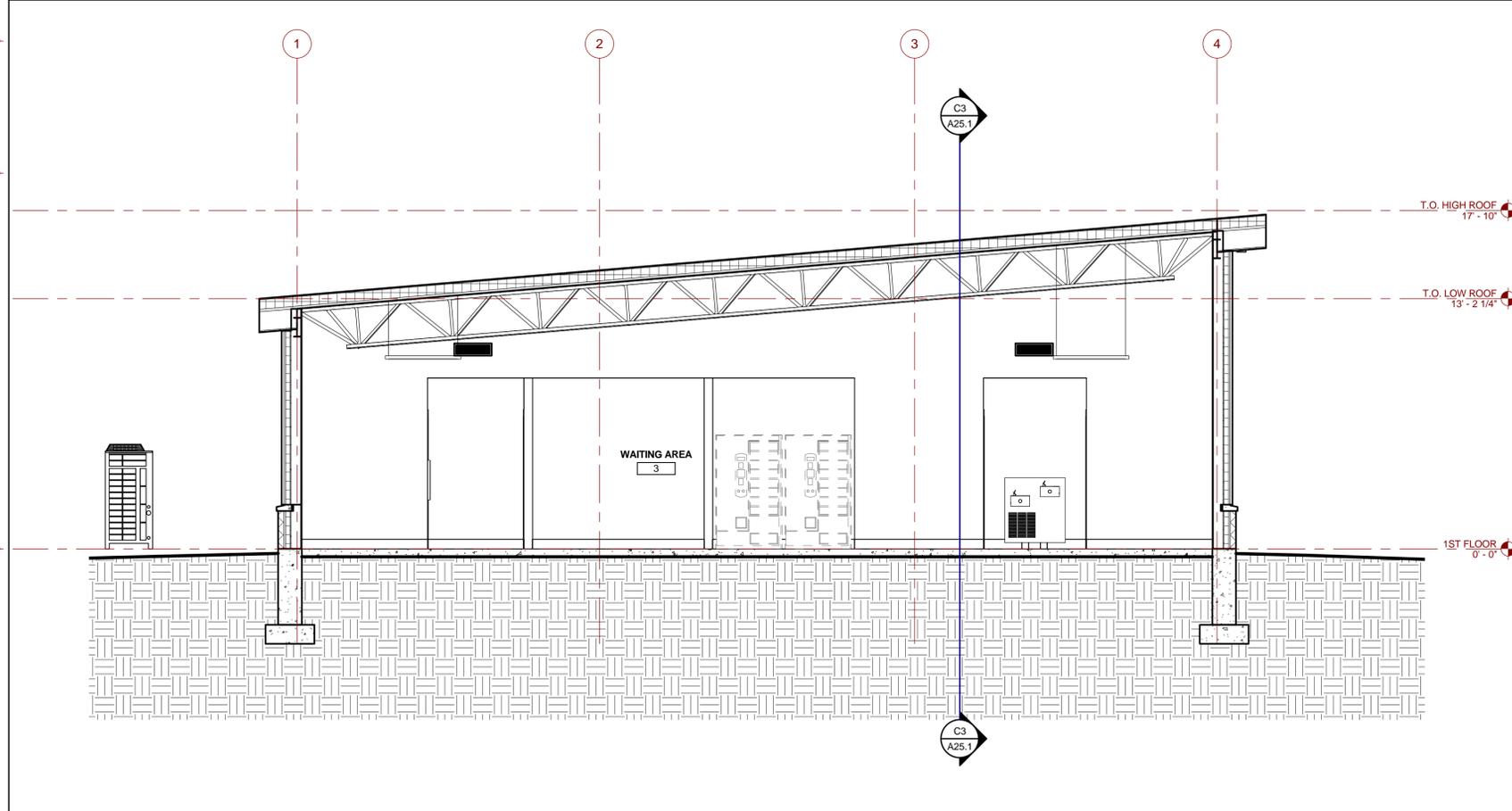
C3 BUILDING SECTION
 SCALE: 1/4" = 1'-0"



A1 WALL SECTION
 SCALE: 3/8" = 1'-0"



A2 WALL SECTION
 SCALE: 3/8" = 1'-0"



A3 BUILDING SECTION
 SCALE: 1/4" = 1'-0"

Issues and Revisions		
Mark	Date	Description
4/17/15	65% SUBMISSION	

**PRELIMINARY
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 CONSTRUCTION**

Drawing Scales	0 2' 4' 6'
As indicated	1/4" = 1'-0"
0 1' 2' 4'	
3/8" = 1'-0"	
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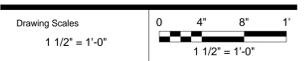
BUILDING AND WALL SECTIONS

A25.1



Issues and Revisions		
Mark	Date	Description
4/17/15		65% SUBMISSION

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CONSTRUCTION SYSTEMS

A40.1

FULLY ADHERED ROOF MEMBRANE
 ROOF PROTECTION BOARD
 (2) LAYERS OF 3" ROOF INSULATION

METAL ROOF DECKING REFER TO STRUCTURAL DRAWINGS

D3 R1 - EPDM ROOF SYSTEM
 SCALE: 1 1/2" = 1'-0"

5/8" TYPE X GPDW, FINISH AS SCHEDULED,
 METAL STUDS @ 16" O.C.

CONNECT TO STRUCTURE U.N.O.

CEILING

FLOOR LINE

7/8" HAT CHANNELS	-	1N0
NON RATED	-	
1 5/8" STEEL STUDS	-	1N1
NON RATED	-	
2 1/2" STEEL STUDS	-	1N2
NON RATED	-	
3 5/8" STEEL STUDS	-	1N3
NON RATED	-	
6" STEEL STUDS	-	1N6
NON RATED	-	

5/8" GPDW, FINISH AS SCHEDULED

FLAT METAL PANEL SYSTEM
 5/8" EXTERIOR GYPSUM SHEATHING
 3" RIGID INSULATION WITH Z-FURRING CHANNELS
 AIR VAPOR BARRIER ON 5/8" EXTERIOR GYPSUM SHEATHING
 6" METAL STUD AT 16" O.C.
 5/8" GWB

C3 W3 - COMPOSITE METAL PANEL WALL SYSTEM
 SCALE: 1 1/2" = 1'-0"

5/8" GPDW, FINISH AS SCHEDULED
 3 5/8" METAL STUDS @ 16" O.C.

CONNECT TO STRUCTURE U.N.O.

CEILING

FLOOR LINE

5/8" GPDW, FINISH AS SCHEDULED
 5/8" PLYWOOD

NOTE: PLYWOOD TO BE ON SAME SIDE AS THE WALL TAG

3 5/8" STEEL STUDS WITH PLYWOOD	-	2P3
NON RATED	-	

CORRUGATED METAL PANEL SYSTEM
 5/8" EXTERIOR GYPSUM SHEATHING
 3" RIGID INSULATION WITH Z-FURRING CHANNELS
 AIR VAPOR BARRIER ON 5/8" EXTERIOR GYPSUM SHEATHING
 6" METAL STUD AT 16" O.C.
 5/8" GWB

B3 W2 - CORRUGATED METAL PANEL WALL SYSTEM
 SCALE: 1 1/2" = 1'-0"

5/8" GPDW, FINISH AS SCHEDULED
 3 5/8" METAL STUDS @ 16" O.C.

CONNECT TO STRUCTURE U.N.O.

CEILING

FLOOR LINE

5/8" GPDW, FINISH AS SCHEDULED

3 5/8" STEEL STUDS	-	2N3
NON RATED	-	

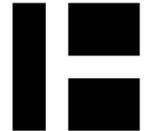
4" CMU VENEER
 1 1/2" AIR GAP
 CUSTOM MASONRY ANCHOR
 3" RIGID INSULATION
 AIR VAPOR BARRIER ON 5/8" EXTERIOR GYPSUM SHEATHING
 6" METAL STUD AT 16" O.C.
 5/8" GWB

A3 W1 - CONCRETE MASONRY UNIT WALL SYSTEM
 SCALE: 1 1/2" = 1'-0"

GENERAL NOTES:

- SEE WALL SECTION AND DETAIL SHEETS FOR CONNECTIONS/DETAILS OTHER THAN SHOWN.
- PROVIDE 5/8" MOISTURE/MILDEW RESISTANT GWB IN TOILET ROOMS, TYP.
- ALL FIRE RATED PARTITIONS SHALL BE STENCILED ON WALL SURFACE ABOVE THE CEILING LINE OF EACH ROOM INDICATING RATING IN RED OR ORANGE PAINT ON EACH SIDE OF PARTITION, SMOKE PARTITIONS TO BE LABELED IN GREEN PAINT.
- EXTEND ALL PARTITIONS TO UNDERSIDE OF FLOOR/FLOOR DECK U.N.O., SEAL TO DECK FOR SMOKE AND SOUND CONTROL, FILL VOIDS BETWEEN FLUTES w/ INSULATION AT PARTITIONS WHICH TERMINATE TO UNDERSIDE OF METAL DECK.
- WHERE OCCURS, FRAME GWB AROUND BOTH SIDES OF BEAMS/JOISTS WHERE PARTITION INTERSECTS STRUCTURAL MEMBERS TO MAINTAIN CONTINUITY OF PARTITION TO UNDERSIDE OF DECK.
- CONTRACTOR IS RESPONSIBLE TO VERIFY FIELD CONDITIONS WHICH MAY VARY FROM TYPICAL DETAIL SHOWN ON DRAWINGS. CONTRACTOR TO MODIFY CLOSURE DETAILS TO MEET ACTUAL CONDITIONS AND TO MAINTAIN CONTINUITY OF PARTITION FROM FLOOR TO DECK ABOVE. REVIEW SAID CONDITIONS WITH ARCHITECT PRIOR TO CONSTRUCTION.

STUD OR CMU SIZE	INDICATES FIRE RATING WHERE APPLICABLE	SOUND ATTENUATION BATT. INS.
3 -5/8" STEEL STUDS W/ S.A.B.	UL NO. U419	W10
1 HR FIRE RATED		
FIRE RATING		



HARRIMAN

DOWNTOWN AUBURN
TRANSPORTATION
CENTER

AUBURN, MAINE

Harriman Project No. 14135



ROOM FINISH SCHEDULE								
ROOM		Floor Finish	Base Finish	WALL FINISH				COMMENTS
NUMBER	NAME			NORTH	EAST	SOUTH	WEST	
1	VEST.	POLISHED CONC.	RB1					
2	VEST.	POLISHED CONC.	RB1					
3	WAITING AREA	POLISHED CONC.	RB1					
4	MEN'S RESTROOM	POLISHED CONC.	RB1					
5	WOMEN'S RESTROOM	POLISHED CONC.	RB1					
6	UTILITY	POLISHED CONC.	RB1					
7	BREAK ROOM	POLISHED CONC.	RB1					
8	STAFF RESTROOM	POLISHED CONC.	RB1					

MATERIAL LEGEND						
SPEC. SECTION	MATERIAL	CODE NO.	MANUFACTURER	SIZE	STYLE/COLOR	REMARKS
064000	PLASTIC LAMINATE	PL1	PIONITE	-	TO BE DETERMINED	VERTICAL SURFACE
064000	PLASTIC LAMINATE	PL2	PIONITE	-	TO BE DETERMINED	HORIZONTAL SURFACES
064000	SOLID SURFACE	SS1	CORIAN	-	TO BE DETERMINED	WINDOW SILLS
095113	ACOUSTIC CEILING TILES	ACT1	ARMSTRONG WORLD INDUS.	24" X 24" X 3/4"	1920 ULTIMA VECTOR- WHITE	VECTOR
096500	RESILIENT BASE	RB1	JOHNSONITE - TIGHT LOK	4 1/4"	TO BE DETERMINED	
099000	PAINT	P1	SHERWIN WILLIAMS	-	TO BE DETERMINED	PRIMARY
099000	PAINT	P2	SHERWIN WILLIAMS	-	TO BE DETERMINED	ACCENT
099000	PAINT	P5	SHERWIN WILLIAMS	-	TO BE DETERMINED	CEILING ONLY

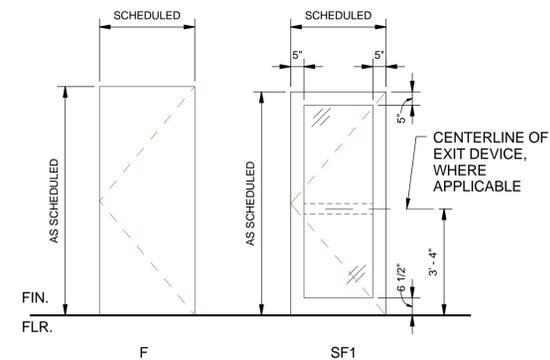
DOOR AND FRAME SCHEDULE												
No.	DOOR PANELS					FRAME				FIRE RATING	REMARKS	
	PANEL SIZE			TYPE	MAT	TYPE	MAT / FIN	DETAILS				
	WIDTH	HEIGHT	THICK					HEAD	JAMB			SILL
1ST FLOOR												
1A	3' - 0"	7' - 0"	1 3/4"	SF1	AL	--	AL				--	STOREFRONT
1B	3' - 0"	7' - 0"	1 3/4"	SF1	AL	--	AL				--	STOREFRONT
2A	3' - 0"	7' - 0"	1 3/4"	SF1	AL	--	AL				--	STOREFRONT
2B	3' - 0"	7' - 0"	1 3/4"	SF1	AL	--	AL				--	STOREFRONT
4	3' - 0"	7' - 0"	1 3/4"	F	WD	2	HM				--	
5	3' - 0"	7' - 0"	1 3/4"	F	WD	2	HM				--	
6	3' - 0"	7' - 0"	1 3/4"	F	WD	2	HM				--	
7	3' - 0"	7' - 0"	1 3/4"	F	WD	2	HM				--	
8	3' - 0"	7' - 0"	1 3/4"	F	WD	2	HM				--	

DOOR NOTES:

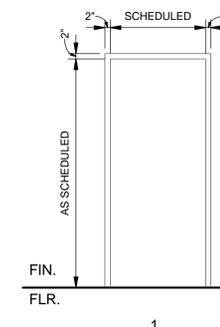
- SEE SPECIFICATIONS FOR HARDWARE SET DESCRIPTIONS.
- SEE TITLE SHEET A00.1 FOR STANDARD ABBREVIATIONS.
- ALL SWINGING DOORS TO BE 1-3/4" THICK (U.N.O.)
- ALL DOORS SHALL BE 3/4" UNDERCUT (TYPICAL) EXCEPT WHEN THERE IS A BOTTOM FRAME OR SILL THRESHOLD OR SPECIFICALLY NOTED OTHERWISE.
- ALL DOORS WITH BOTTOM FRAMES OR SILL THRESHOLDS SHALL HAVE MANUFACTURERS RECOMMENDED STANDARD UNDERCUT.
- REFER TO B4/A60.1 FOR FRAME TYPES.
- REFER TO B3/A60.1 DOOR TYPES

DOOR ABBREVIATIONS:

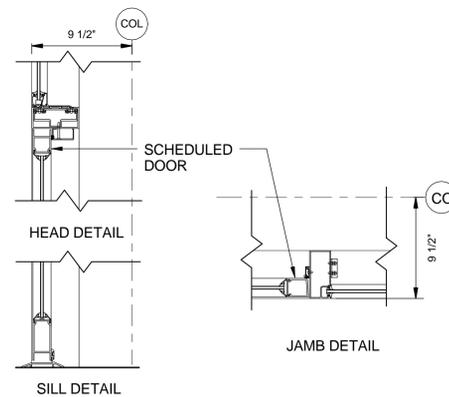
AL	ALUMINUM
GL	GLASS
HM	HOLLOW METAL
INS	INSULATED
S/S	STAINLESS STEEL
STL	STEEL
TEMP GL.	TEMPERED GLASS
WD	WOOD DOOR OR FRAME
OBS	OBSCURE GLASS
ETR	EXISTING TO REMAIN
MANU	MANUFACTURER



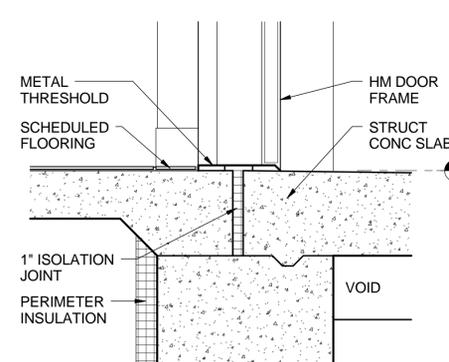
B3 DOOR TYPES
SCALE: 3/8" = 1'-0"



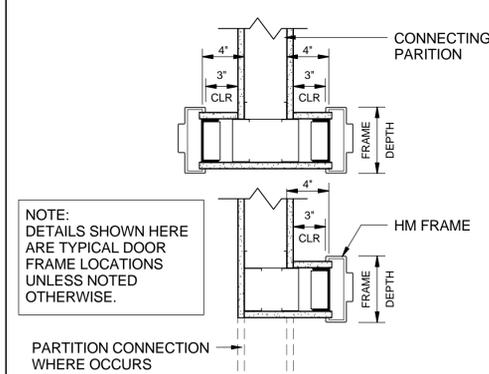
C4 DOOR FRAME TYPES
SCALE: 3/8" = 1'-0"



A3 STOREFRONT DOOR DETAILS
SCALE: 1 1/2" = 1'-0"



A4 SILL DETAIL AT STRUCTURAL SLAB
SCALE: 1 1/2" = 1'-0"



A5 DOOR FRAME INSTALLATION DETAIL
SCALE: 1 1/2" = 1'-0"

Issues and Revisions		
Mark	Date	Description
	4/17/15	65% SUBMISSION

**PRELIMINARY
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CONSTRUCTION**

Drawing Scales	0 1' 2' 4'
As indicated	3/8" = 1'-0"
0 4' 8' 1'	
1 1/2" = 1'-0"	
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SCHEDULES AND DOOR
DETAILS

A60.1

DOWNTOWN AUBURN TRANSPORTATION CENTER

AUBURN, MAINE

Harriman Project No. 14135



REFLECTED CEILING PLAN LEGEND

-  LIGHTING, SEE ELECTRICAL DRAWINGS
-  MECHANICAL, SEE ELECTRICAL DRAWINGS
-  GYPSUM WALL BOARD
-  2' x 2' ACT

Issues and Revisions

Mark	Date	Description
	4/17/15	65% SUBMISSION

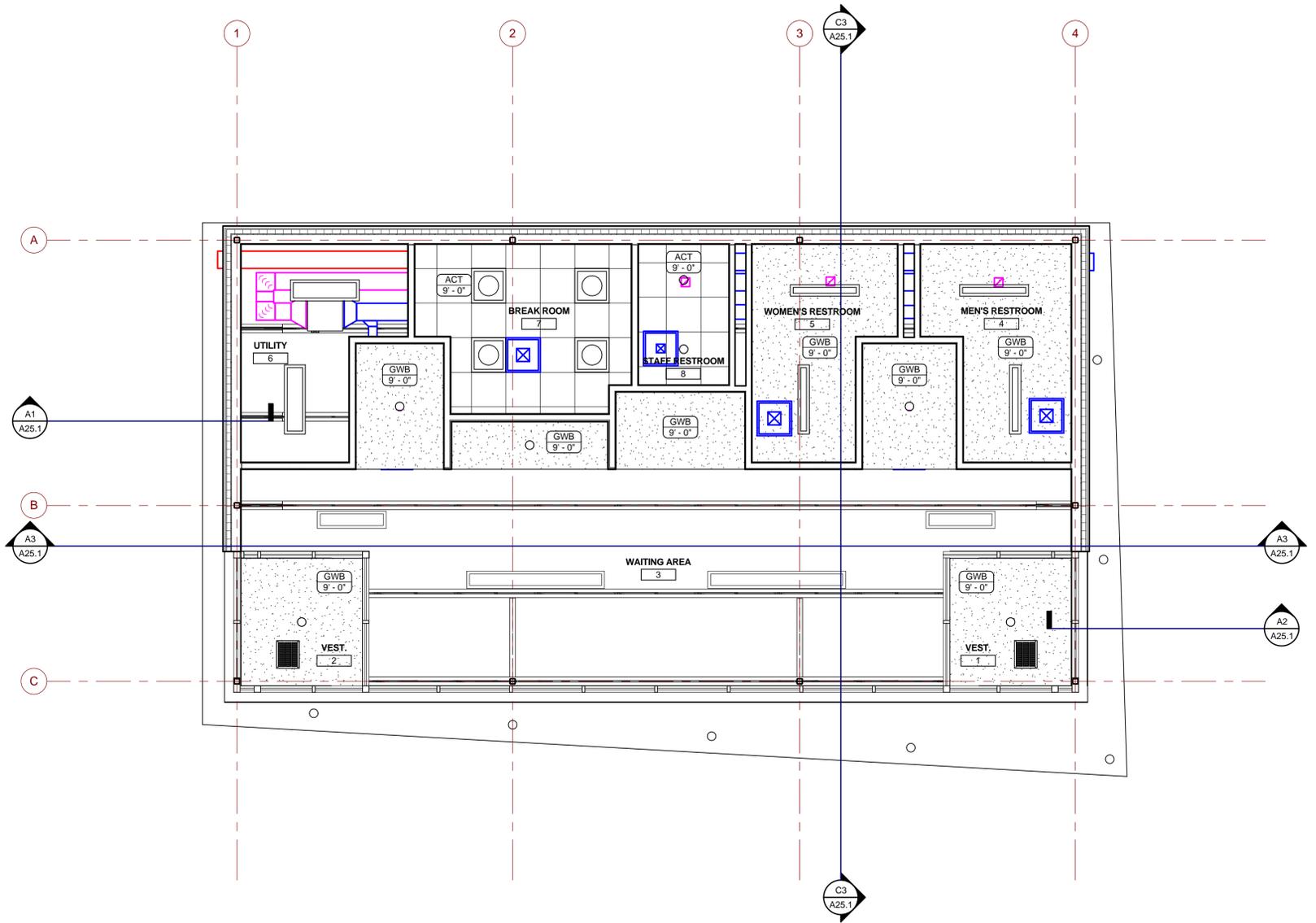
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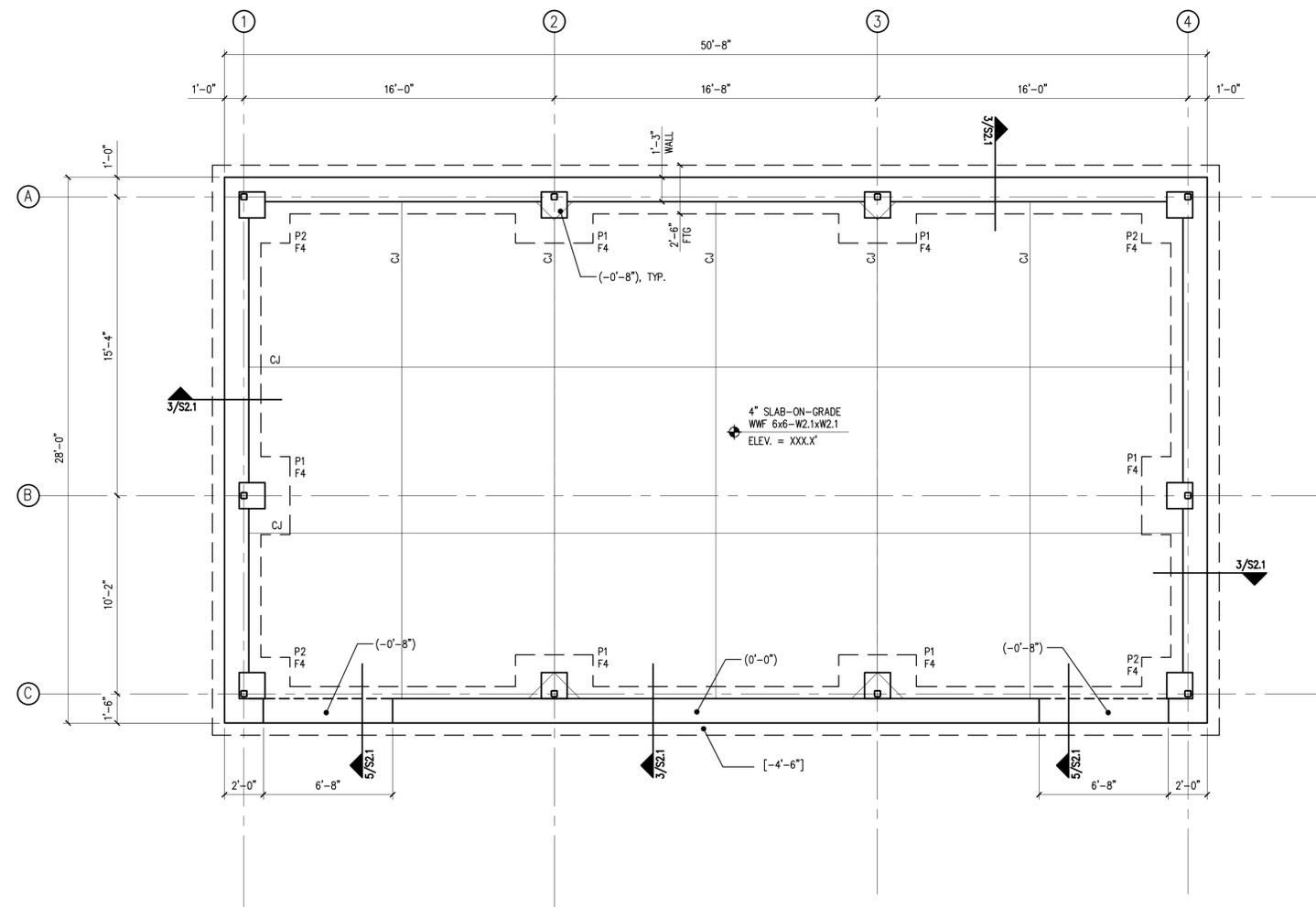
REFLECTED CEILING PLAN

A70.1



A2 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

PRINTED: Apr 17, 2015



- NOTES:**
1. TOP OF SLAB-ON-GRADE ELEVATION = XXX AND EQUALS REFERENCE TOP OF CONCRETE SLAB ELEVATION 0'-0".
 2. TOP OF CONCRETE ELEVATIONS ARE NOTED (+/-X'-X") FROM REFERENCE TOP OF CONCRETE SLAB ELEVATION.
 3. TOP OF FOOTING ELEVATIONS ARE NOTED [-X'-X"] FROM REFERENCE TOP OF CONCRETE SLAB ELEVATION.
 4. "FX" DENOTES FOOTING TYPE. SEE FOOTING SCHEDULE THIS SHEET FOR ADD'L INFORMATION.
 5. "PX" DENOTES PIER TYPE. SEE PIER DETAILS ON SHEET S2.1.

FOOTING SCHEDULE				
TYPE	LENGTH	WIDTH	DEPTH	REINFORCING
F4	4'-0"	4'-0"	1'-0"	(6) #5's BOTT, EW

FOUNDATION PLAN

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



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Portland, ME 04101
Phone 207.842.2800
Fax 207.842.2828
www.cascobayengineering.com

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c/o AVCOG
125 MANLEY ROAD
AUBURN, ME 04210

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AUBURN, MAINE

**DOWNTOWN AUBURN
TRANSPORTATION CENTER**
GREAT FALLS PLAZA

PROPOSED BUILDING

ISSUED	DESCRIPTION	CHKD.	DATE
		BY	
	50% SUBMISSION	CB	3-6-15
	65% SUBMISSION	TD	4-17-15
No.			

SHEET TITLE:

**FOUNDATION
PLAN**

DESIGNED: CB
DRAWN: CB
DATE: 2-24-15
PROJECT NUMBER: 14-124

S1.1

PRINTED: Apr 17, 2015



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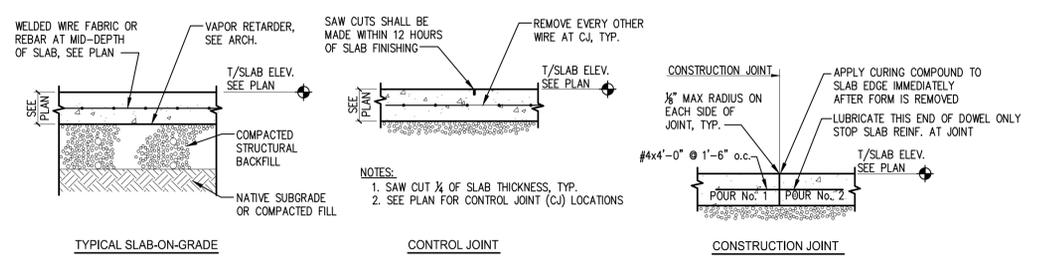
**PRELIMINARY
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AUBURN, MAINE
**DOWNTOWN AUBURN
TRANSPORTATION CENTER**
GREAT FALLS PLAZA
PROPOSED BUILDING

ISSUED	DESCRIPTION	DR.	CHK.	DATE
	65% SUBMISSION	TD	CB	4-17-15
No.				

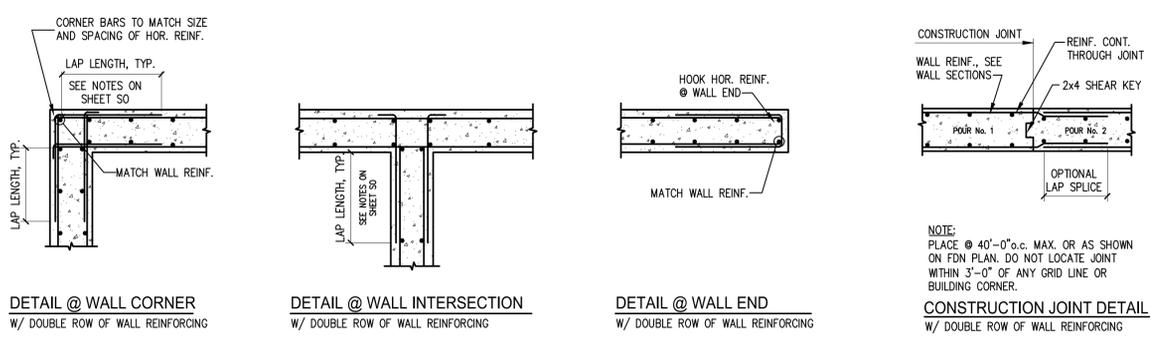
SHEET TITLE:
**FOUNDATION
DETAILS**

DESIGNED: CB
DRAWN: CB
DATE: 2-24-15
PROJECT NUMBER: 14-124



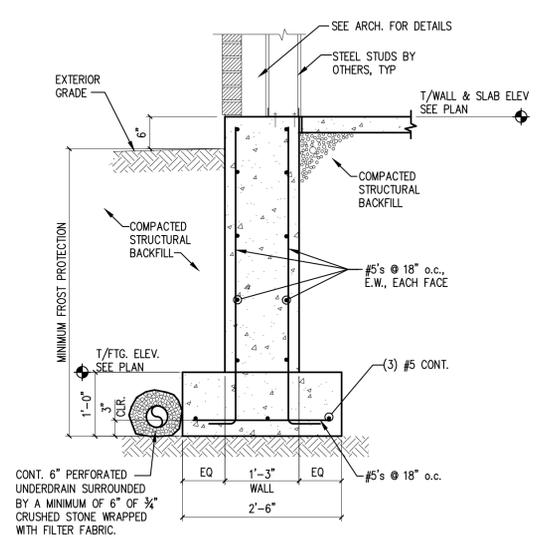
TYPICAL SLAB-ON-GRADE DETAILS

SCALE: NTS 1



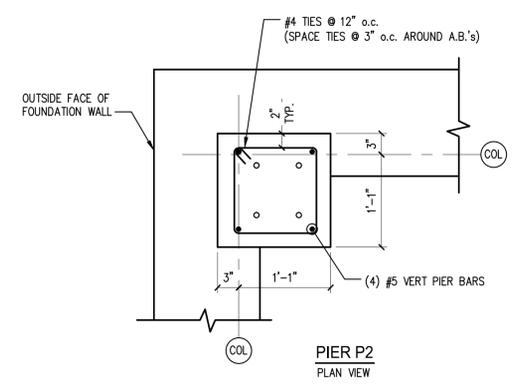
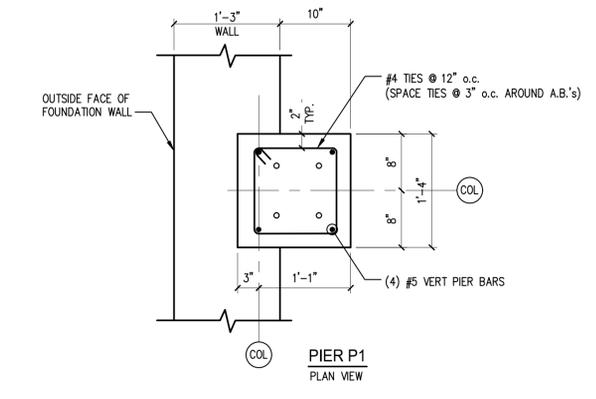
TYPICAL FOUNDATION WALL DETAILS

SCALE: NTS 2



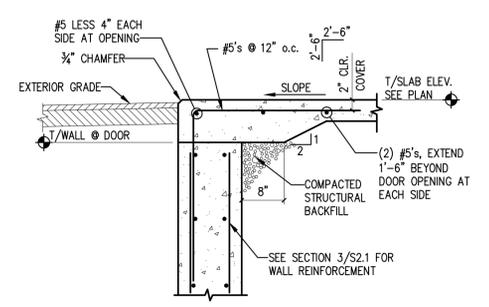
TYPICAL WALL SECTION

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



PIER DETAILS

SCALE: NTS 4



SECTION AT DOORWAY

SCALE: 3/4"=1'-0" 5

SECTION

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

SECTION

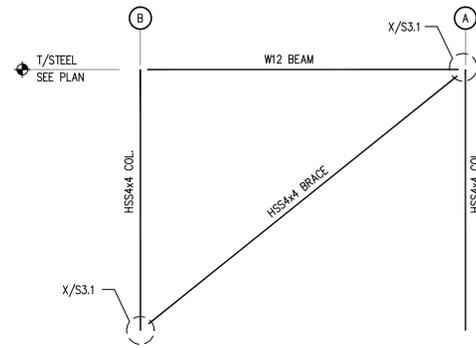
SCALE: 3/4"=1'-0" -

SECTION

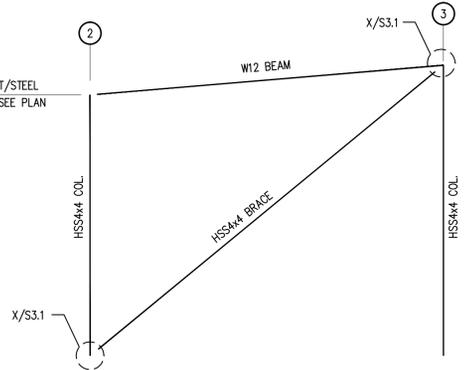
SCALE: 3/4"=1'-0" -

S2.1

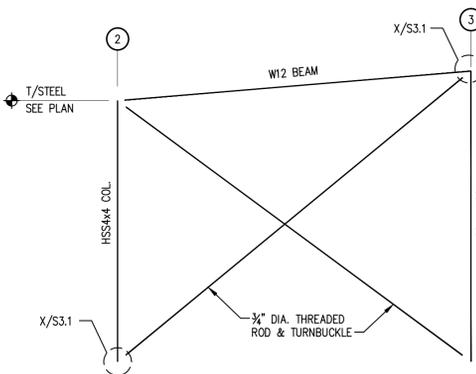
PRINTED: Apr 17, 2015



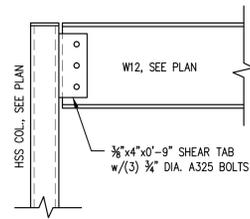
BRACED FRAME BF-1 SCALE: NTS 1



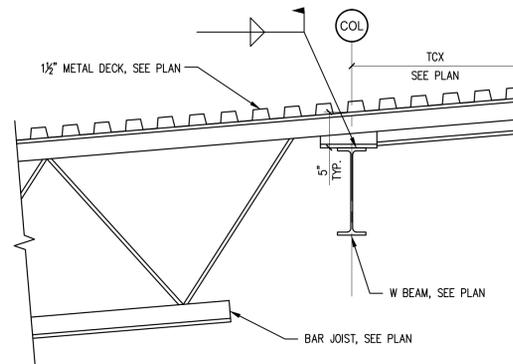
BRACED FRAME BF-2 SCALE: NTS 2



BRACED FRAME BF-3 SCALE: NTS 3



TYPICAL SHEAR TAB CONNECTION SCALE: 1"=1'-0" 4



SECTION SCALE: 1"=1'-0" 5

SECTION SCALE: 1"=1'-0" -



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DOWNTOWN AUBURN
TRANSPORTATION CENTER
GREAT FALLS PLAZA
AUBURN, MAINE
PROPOSED BUILDING

ISSUED	DESCRIPTION	DR:	DATE
		BT	BY
	65% SUBMISSION	TD	CB 4-17-15
No.			

SHEET TITLE:

FRAMING
ELEVATIONS &
DETAILS

DESIGNED: CB
DRAWN: CB
DATE: 2-24-15
PROJECT NUMBER: 14-124

S3.1

Legend

	CW	COLD WATER PIPING BELOW FINISHED FLOOR
	G	GAS PIPING BELOW FINISHED FLOOR
	HW	HOT WATER PIPING BELOW FINISHED FLOOR
	IW	INDIRECT WASTE PIPING BELOW FINISHED FLOOR
	S	SANITARY PIPING BELOW FINISHED FLOOR
	SG	SOIL GAS PIPING BELOW FINISHED FLOOR
	V	VENT PIPING BELOW FINISHED FLOOR
	CW	COLD WATER PIPING ABOVE FINISHED FLOOR
	G	GAS PIPING ABOVE FINISHED FLOOR
	HW	HOT WATER PIPING ABOVE FINISHED FLOOR
	HWR	HOT WATER RETURN PIPING ABOVE FINISHED FLOOR
	IW	INDIRECT WASTE PIPING ABOVE FINISHED FLOOR
	S	SANITARY PIPING ABOVE FINISHED FLOOR
	EXSG	EXISTING SOIL GAS PIPING ABOVE FINISHED FLOOR
	SG	SOIL GAS PIPING ABOVE FINISHED FLOOR
	V	VENT PIPING ABOVE FINISHED FLOOR

	CIRCULATING PUMP
	CHECK VALVE
	PRESSURE RELIEF VALVE
	SHUT-OFF VALVE
	THERMOMETER
	TRANSITION
	THREE WAY VALVE
	CAP
	ACCESS PANEL
	DOMESTIC CIRCULATING PUMP
	EXPANSION TANK
	ELECTRIC WATER COOLER
	FLOOR CLEANOUT
	FLOOR DRAIN
	HOSE BIBB
	LAVATORY
	MOP RECEPTOR
	SHOCK ARRESTOR (P.D.I RATING)
	SINK
	SUMP PUMP
	TRAP PRIMER
	WATER CLOSET
	WALL HYDRANT
	ABOVE FINISHED FLOOR
	BELOW FINISHED FLOOR
	DOWN
	SOIL GAS THRU ROOF
	TYPICAL
	VENT THROUGH ROOF

GENERAL NOTES

- COORDINATE WORK WITH THE WORK OF ALL OTHER TRADES.
- REFER TO INSTALLATION SCHEDULE DATA FOR THE SIZE OF PIPING CONNECTIONS AND MOUNTING HEIGHTS OF EACH FIXTURE.
- SANITARY WASTE PIPING 4" & LARGER SHALL BE INSTALLED WITH A PITCH OF 1/4" PER 1'-0".
- ALL UNDERSLAB PIPING SHALL BE INSTALLED TO PROVIDE NO LESS THAN 2" OF COVER BETWEEN THE PIPING AND THE FLOOR SLAB.
- ALL PIPING SHALL BE CONCEALED EXCEPT IN SPACES WHERE NO CEILINGS OCCUR.



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**DOWNTOWN AUBURN
 TRANSPORTATION
 CENTER**

AUBURN, MAINE

Harriman Project No. 14135



Issues and Revisions		
Mark	Date	Description
	3/6/15	50% SUBMISSION
	4/17/15	65% SUBMISSION

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

Drawing Scales	NO SCALE
PA / PE:	CG
Drawn By:	JSL
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**LEGEND SCHEDULES
 AND GENERAL NOTES**

P00.1

PLUMBING FIXTURE INSTALLATION SCHEDULE

FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR UNLESS OTHERWISE NOTED

LABEL	FIXTURE DESCRIPTION	BRANCH SIZE				SPECIFICATIONS	MTG. HT TO RIM
		VENT	WASTE	CW	HW		
WC-1	WATER CLOSET WALL MOUNTED ADA COMPLIANT	2"	4"	1"	---	HYDROPWER SENSOR TYPE FLUSHOMETER	16-1/4"
MR-1	FLOOR MOUNTED MOP RECEPTOR	1-1/2"	2"	1/2"	1/2"	WALL MOUNTED FAUCET WITH BUCKET HOOK	N/A
L-1	LAVATORY ADA COMPLIANT	1-1/2"	2"	1/2"	1/2"	HYDROPOWER SENSOR TYPE FAUCET	34"
SK-1	UNDERCOUNTER MOUNTED STAINLESS STEEL SINK	1-1/2"	2"	1/2"	1/2"	SINGLE HOLE GOOSENECK FAUCET WITH SINGLE HANDLE CONTROL	34"
EWC-1	ELECTRIC WATER COOLER ADA COMPLIANT	1-1/2"	2"	1/2"	---	WALL MOUNTED BI-LEVEL WATER COOLER WITH INTEGRAL BOTTLE FILLING STATION ON UPPER UNIT	33-1/2" LOW 39-1/2" HIGH
WH-1	ELECTRIC WATER HEATER	-	-	3/4"	3/4"	10 GAL. STORAGE CAPACITY, STANDARD 1500 WATT/120 VOLTS	FLOOR MOUNTED

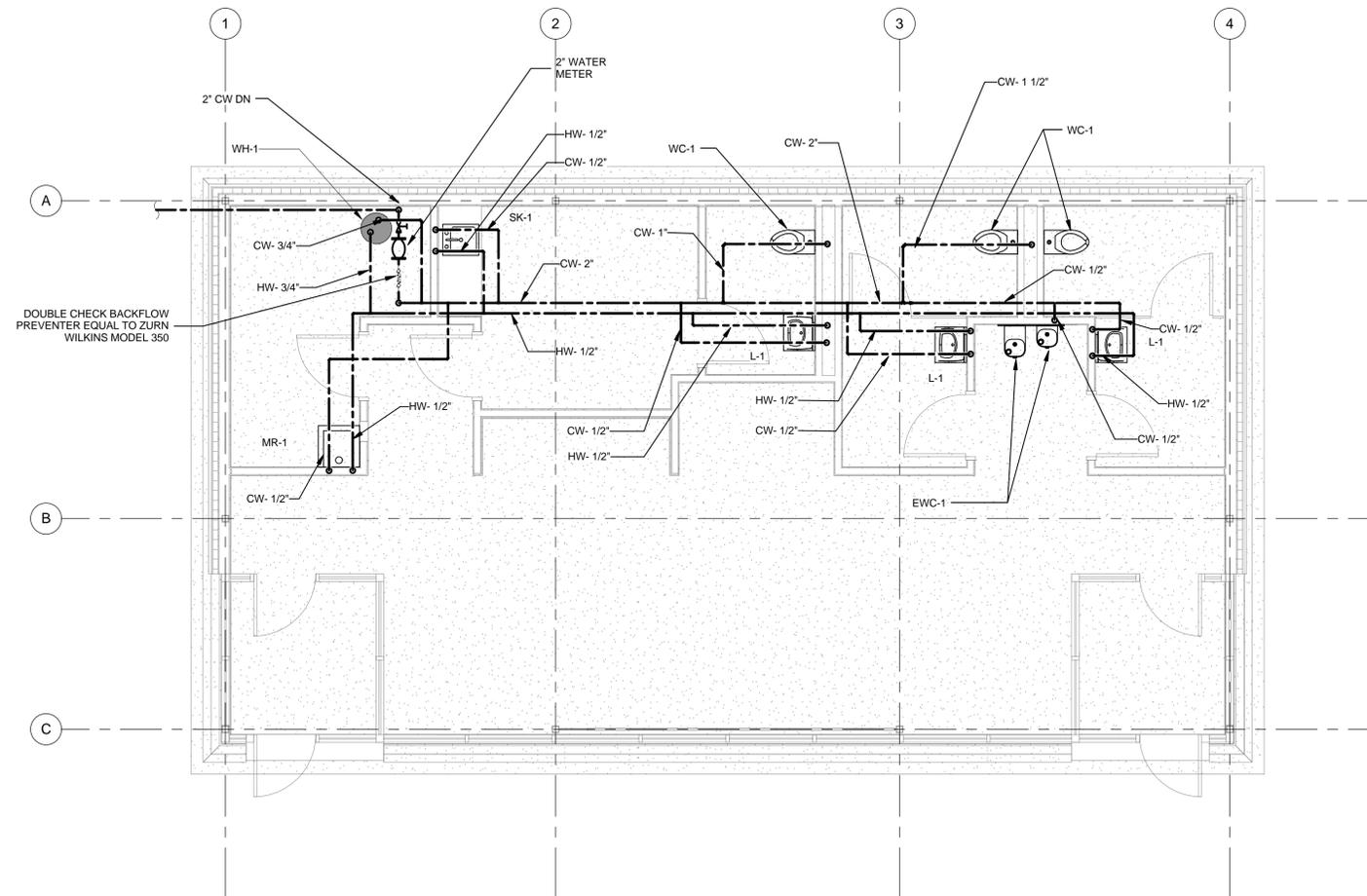


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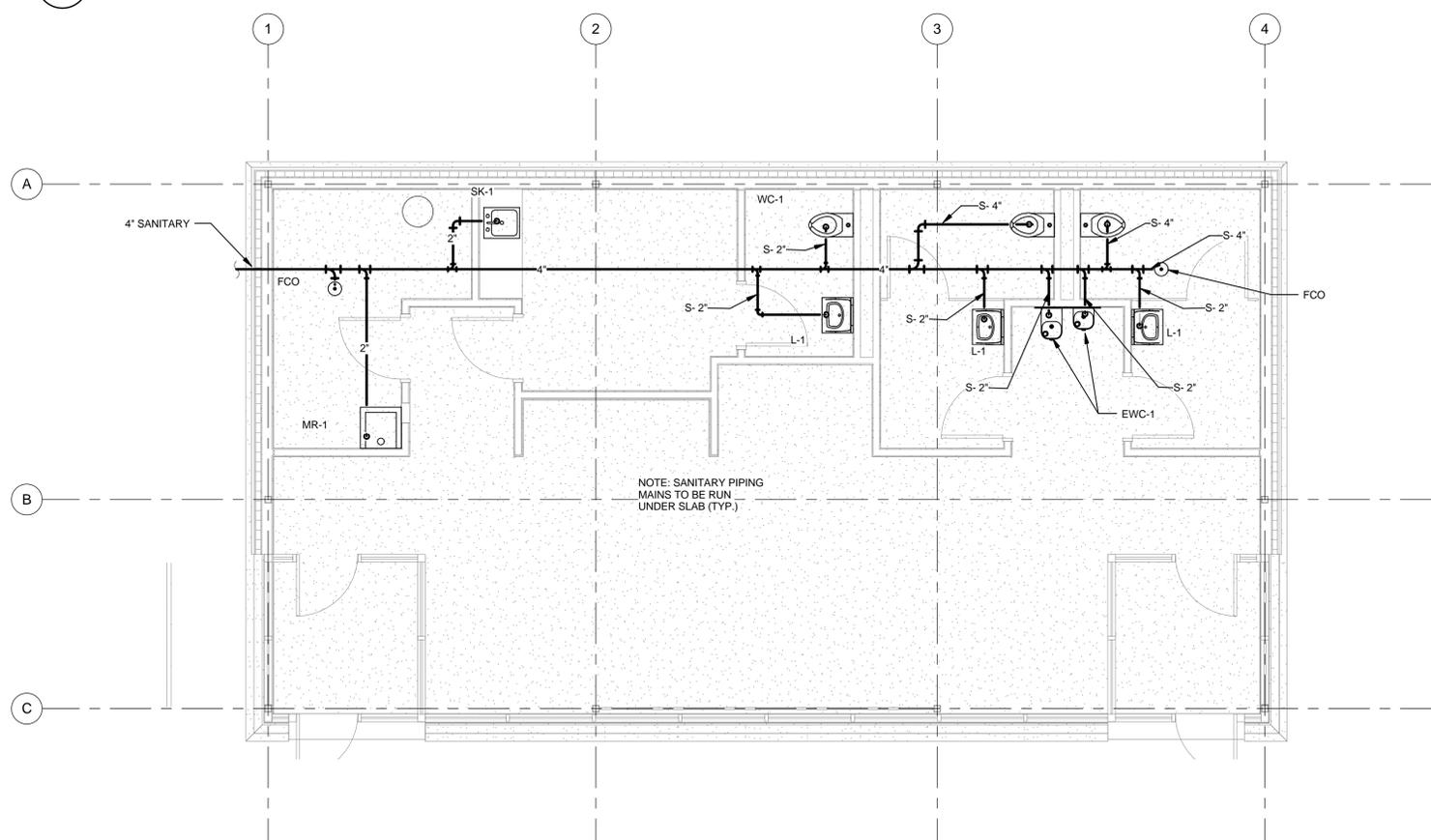
DOWNTOWN AUBURN TRANSPORTATION CENTER

AUBURN, MAINE

Harriman Project No. 14135



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

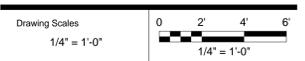


2 FIRST FLOOR DRAINAGE
SCALE: 1/4" = 1'-0"

NOTE: SANITARY PIPING MAINS TO BE RUN UNDER SLAB (TYP.)

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FIRST FLOOR SUPPLY & DRAINAGE

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Drawing Scales	0	2'	4'	6'
1/4" = 1'-0"				
	1/4" = 1'-0"			

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FIRST FLOOR
DUCTWORK

M10.1

DUCTLESS HEAT PUMP INDOOR UNIT

MARK	MANUFACTURER	MODEL	CONFIGURATION	SERVICE	AIRFLOW (CFM)	COOLING CAPACITY	HEATING CAPACITY	WIDTH	DEPTH	HEIGHT	PHASE	VOLTAGE	BREAKER	FAN MOTOR	WEIGHT
EU-1	DAIKIN	FXMQ36	HORIZONTAL DUCT CONCEALED	WAITING	950	36,000 Btu/h	40,000 Btu/h	55 1/8"	27 9/16"	11 13/16"	1	208	15.0		102 lb
EU-2	DAIKIN	FXMQ36	HORIZONTAL DUCT CONCEALED	WAITING	950	36,000 Btu/h	40,000 Btu/h	55 1/8"	27 9/16"	11 13/16"	1	208	15.0		102 lb
EU-3	DAIKIN	FXMQ024	HORIZONTAL DUCT CONCEALED	BACK ROOMS	600	24,000 Btu/h	27,000 Btu/h	39 3/8"	27 9/16"	11 13/16"	1	208	15.0		80 lb

DUCTLESS HEAT PUMP OUTDOOR UNIT

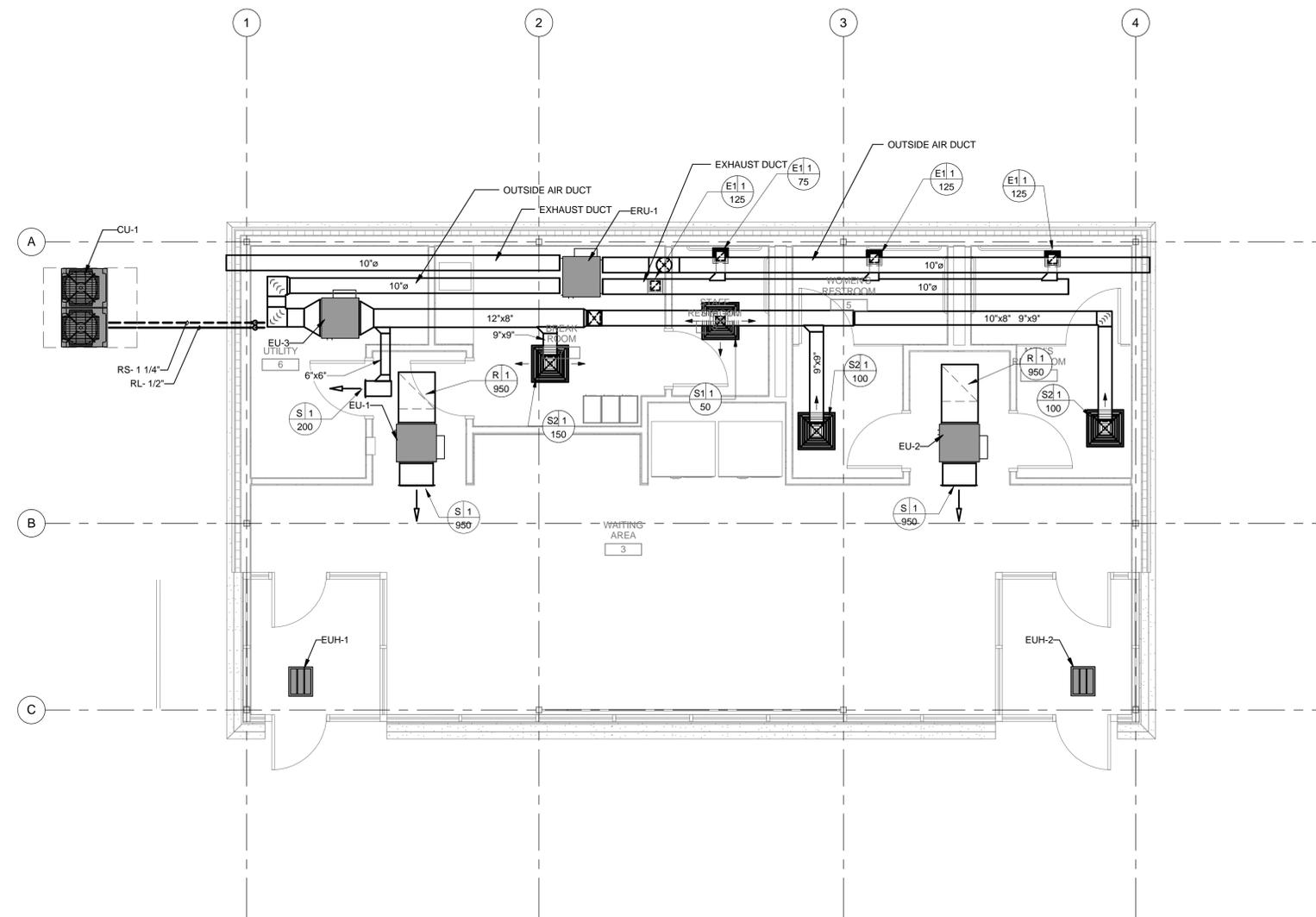
MARK	MANUFACTURER	MODEL	SERVICE	Refrigerant Used	AMBIENT AIR	COOLING CAPACITY	HEATING CAPACITY	WIDTH	DEPTH	HEIGHT	PHASE	VOLTAGE	MCA	RLA	WEIGHT
CU-1	DAIKIN	RXYQ144PBTJ	HEATING / COOLING	R-410A	95 °F	138,000 Btu/h	154,000.0 Btu/h	73 1/4"	30 1/8"	66 1/8"	3	480	32.0	14.2	

ENERGY RECOVERY UNIT

MARK	MANUFACTURER	MODEL	SERVICE	AIRFLOW	AMBIENT AIR	WIDTH	DEPTH	HEIGHT	PHASE	VOLTAGE	MCA	MOCP	WEIGHT
ERU-1	DAIKIN	VAM470GVJU	VENTILATION	450	95 °F	43 11/16"	32 3/4"	15 1/4"	1	208	3.9	15	121 lb

ELECTRIC UNIT HEATER

TAG	MANUFACTURER	MODEL	SERVICE	OUTPUT (BTUH)	AIR FLOW (CFM)	KW	AMPS	PHASE	VOLT	MOUNTING TYPE	NOTES
EUH-1	MARKEL	Y3485A1	VESTIBULE - LEFT	17,000	425	5	6.1	3	480	CEILING RECESSED	
EUH-2	MARKEL	Y3485A1	VESTIBULE - RIGHT	17,000	425	5	6.1	3	480	CEILING RECESSED	



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

ELECTRICAL LEGEND

- LP-1,3 ←←←←←
- HOMERUN TO PNLBRD - ARROWS INDICATE NUMBER OF CIRCUITS. CROSS LINES INDICATE NUMBER OF CONDUCTORS OTHER THAN TWO (PROVIDE NUMBER OF WIRES REQUIRED TO ALLOW SWITCHING SHOWN - E10 SERIES LIGHTING DRAWINGS).
- CIRCUIT NUMBER(S)
- PANEL DESIGNATION
- LIGHTING-----
- SURFACE MOUNTED LIGHT FIXTURE
- SURFACE MOUNTED 1' X 4'
- ⊞ SINGLE POLE SWITCH - MOUNTED C/L UP 48" UNLESS NOTED OTHERWISE - SUBLITTER INDICATES SWITCH CONTROL - SEE DETAIL THIS DRAWING
- ⊞ SWITCH - MOUNTED C/L UP 48" UNLESS NOTED OTHERWISE
- ⊞ WALLBOX MOUNTED OCCUPANCY SENSOR SWITCH - MOUNTED C/L UP 48" UNLESS NOTED OTHERWISE
- ⊞ CEILING MOUNTED OCCUPANCY SENSOR - PROVIDE POWERPACKS AS REQUIRED
- ⊞ CEILING MOUNTED DAYLIGHT HARVESTING SENSOR
- POWER-----
- 208V PANELBOARD
- ⊞ POWER COMPANY UTILITY METER
- ⊞ JUNCTION BOX
- ⊞ DUPLEX CONVENIENCE RECEPTACLE - MOUNTED C/L UP 24" UNLESS NOTED OTHERWISE -"TR" DESIGNATES TAMPER RESISTANT
- ⊞ GFCI DUPLEX CONVENIENCE RECEPTACLE - MOUNTED C/L UP 48" UNLESS NOTED OTHERWISE
- ⊞ TELE/DATA OUTLET- MOUNTED C/L UP 24" UNLESS NOTED OTHERWISE
- LIFE SAFETY-----
- ⊞ EMERGENCY BATTERY UNIT - MOUNTED C/L UP 7'-6" AFF
- ⊞ FIRE ALARM MANUAL PULL STATION - MOUNTED C/L UP 48"
- ⊞ FIRE ALARM HORN/LIGHT UNIT, CANDLE POWER (CD) PER NFPA 72 AND AS NOTED - 15/75 WHERE NOT OTHERWISE INDICATED ON PLANS - MOUNTED BOTTOM OF STROBE UP 80" ON WALL
- ⊞ FIRE ALARM STROBE LIGHT UNIT, CANDLE POWER (CD) PER NFPA 72 AND AS NOTED - 15/75 WHERE NOT OTHERWISE INDICATED ON PLANS - MOUNTED BOTTOM OF STROBE UP 80" ON WALL
- ⊞ FIRE ALARM STROBE LIGHT UNIT - CEILING MOUNTED, CANDLE POWER (CD) PER NFPA 72 AND AS NOTED.
- ⊞ FIRE ALARM SMOKE DETECTOR
- ⊞ FIRE ALARM MANUAL PULL STATION
- ⊞ CEILING MOUNTED EXIT SIGN - DOUBLE FACE
- ⊞ WALL MOUNTED EXIT SIGN - SINGLE FACE
- GENERAL-----
- ## KEYNOTE TAG

LEGEND		B2
-	REF: -	

LIGHTING FIXTURE SCHEDULE

ALL FIXTURES SHALL BE FURNISHED COMPLETE WITH ALL HARDWARE LAMPS, HANGERS, FITTINGS, ETC. FOR A COMPLETE AND PROPER INSTALLATION

TYPE	MANUFACTURER	CATALOG NO.	MTG.	VOLT	LAMPS			REMARKS/BALLAST INFORMATION
					NO.	WATT	TYPE	
A	2X2 RECESSED LED TROFFER CORELITE	R2X-WO-4L35-1D-UNV-22	R	UNV	LED		LED	
DL1	6" LED DOWNLIGHT VANTAGE	A6VEPLED1-1530K-L6011FRSCL	R	UNV			LED	
DL1E	SAME AS DL1 WITH EMERGENCY BATTERY BACKUP VANTAGE	A6VEPLED1-1530K-L6011FRSCL-EM	R	UNV			LED	PROVIDE INTEGRAL EMERGENCY BATTERY BACKUP
DL2	EXTERIOR LED DOWNLIGHT VANTAGE	A6VEPLED1-3030K-L6011FRSCL	R	UNV			LED	WET LOCATION LISTED
E	EMERGENCY BATTERY UNIT MULE	SQ-80-LED-W	S	UNV			LED	
P4	4' DECORATIVE LED PENDANT CORLITE	DSI-WS-1L35-1D-UNV-ACXX-XX-X	P	UNV			LED	PROVIDE INTEGRAL EMERGENCY BATTERY BACKUP MOUNT AT 9'-0" AFF. PROVIDE AIRCRAFT CABLE LENGTH AS REQUIRED
P8	8' DECORATIVE LED PENDANT CORLITE	DSI-WS-1L35-1D-UNV-ACXX-XX-X	P	UNV			LED	PROVIDE INTEGRAL EMERGENCY BATTERY BACKUP MOUNT AT 9'-0" AFF. PROVIDE AIRCRAFT CABLE LENGTH AS REQUIRED
U	LED UTILITY FIXTURE ENVOY	S4LEDHOCWUE	S	UNV			LED	COORDINATE LOCATIONS WITH OTHER TRADES.
VL	VANDAL RESISTANT FIXTURE WITH INTEGRAL OCCUPANCY SENSOR FAILSAFE	HVL8-LED-4-LD3-1STD-35-UNV-O-ED1C-D-OS2	S	UNV			LED	INTEGRAL MICROWAVE OCCUPANCY SENSOR
VLE	SAME AS VL WITH EMERGENCY BATTERY BACKUP FAILSAFE	HVL8-LED-4-LD3-1STD-35-UNV-O-ED1C-D-OS2-EM	S	UNV			LED	PROVIDE INTEGRAL EMERGENCY BATTERY BACKUP INTEGRAL MICROWAVE OCCUPANCY SENSOR
W	LED SECURITY WALL LIGHTER MCGRAW	ISS-802-LED-E1-XXX-XX-X	S	UNV			LED	
X	EXIT SIGN MULE	MD-B-U-R-AA-USA	S	UNV			LED	

LIGHTING FIXTURE SCHEDULE		B1
-	REF: -	

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 70, NATIONAL ELECTRICAL CODE (NEC), OSHA REGULATIONS, AS WELL AS APPLICABLE REGULATIONS OF THE PERTINENT FEDERAL, STATE, COUNTY, AND CITY AGENCIES. PROVIDE MATERIALS AND EQUIPMENT THAT COMPLY WITH ANSI, IEEE, IES, AND NEMA STANDARDS, WHERE APPLICABLE. PROVIDE ONLY MATERIALS THAT ARE U.L. LISTED AND LABELED.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT, DEVICES, AND FURNITURE REQUIREMENTS, PRIOR TO ROUGHING IN FOR SAME.
- CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. INSTALL CONDUIT WITH A MINIMUM OF BENDS IN THE SHORTEST PRACTICAL DISTANCE CONSIDERING THE BUILDINGS CONSTRUCTION AND OBSTRUCTIONS, EXCEPT WHERE OTHERWISE NOTED.
- ALL MOTOR SAFETY SWITCHES, DISCONNECTS AND MOTOR STARTERS THAT ARE NOT PROVIDED BY OTHER DIVISIONS, SHALL BE PROVIDED BY DIVISION 26, UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL PENETRATIONS THROUGH FIRE-RATED FLOORS, WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF THE SEPARATION.
- UNLESS OTHERWISE NOTED, WIRING SHALL BE 2#12 AWG CONDUCTORS & #12 GND. HOMERUNS FED FROM 20A, SINGLE POLE CIRCUITS IN EXCESS OF 100 FEET SHALL BE #10 AWG UNLESS INDICATED OTHERWISE. INSULATION TYPE SHALL BE THHN/TWLN, 75 DEG. C, AND 600V CLASS UNLESS SPECIFIED OTHERWISE.

GENERAL NOTES (CON'T)

- FLEXIBLE CONNECTIONS TO MOTORS SHALL BE FLEXIBLE LIQUID TIGHT CONDUIT.
- UNLESS OTHERWISE NOTED, ALL WIRING SHALL BE 600V, COPPER WITH THHN-TWLN INSULATION.
- ALL GENERAL NOTES, SYMBOLS, LISTS, ABBREVIATIONS AND DETAILS ARE TO BE CONSIDERED APPLICABLE TO ALL ELECTRICAL DRAWINGS FOR THIS PROJECT.
- WHERE A DISCREPANCY OCCURS BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE SPECIFICATIONS SHALL PREVAIL. CONTACT THE ENGINEER FOR CLARIFICATION WHEN SUCH A SITUATION OCCURS.
- WHERE MATERIAL IS CALLED OUT IN THE LEGEND BY MANUFACTURER, TYPE OR CATALOG NUMBER, SUCH DESIGNATIONS ARE TO ESTABLISH STANDARDS OR DESIRED QUALITY. ACCEPTANCE OR REJECTION OF THE PROPOSED SUBSTITUTIONS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER.

LIGHTING FIXTURE NOTES

- THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET JOB REQUIREMENTS.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY FIXTURE MOUNTING AND LOCATION AGAINST PLANS, ELEVATIONS, AND DETAIL DRAWINGS. EXACT LOCATION OF ALL FIXTURES SHALL BE CONFIRMED WITH THE ARCHITECT PRIOR TO ROUGHING IN.
- FIXTURE LETTERS SHOWN ON A CONTINUOUS ROW OF FIXTURES SHALL BE TYPICAL FOR THAT ROW UNLESS OTHERWISE NOTED.
- ALL FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE.
- ALL FLUORESCENT FIXTURES SHALL BE ENERGY SAVING TYPE.
- ALL FLUORESCENT FIXTURES SHALL HAVE ELECTRONIC BALLASTS - U.L. APPROVED AS A COMBINATION WITH ENERGY SAVING LAMPS SUPPLIED.
- ALL FLUORESCENT LAMPS ARE TO BE STANDARD COLOR 3500K UNLESS OTHERWISE NOTED.
- ALL LIGHT FIXTURES SHALL MEET UTILITY COMPANY INCENTIVE REQUIREMENTS. INCENTIVE FORMS SHALL BE COMPLETED BY ELECTRICAL CONTRACTOR. ALL INCENTIVES SHALL BE PAID DIRECTLY TO OWNER.

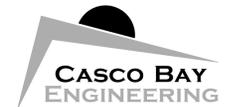
JUNCTION BOX IDENTIFICATION COLOR CODE CHART

FIRE ALARM	---	RED
SIGNAL (NURSE CALL, PA)	---	PURPLE
AUDIO VISUAL	---	WHITE
480V	---	BROWN
277V	---	ORANGE
120V	---	BLUE
208V	---	BLACK

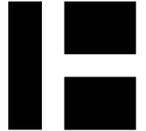
APPLICABLE CODES

NATIONAL ELECTRICAL CODE 2014
INTERNATIONAL BUILDING CODE 2009
INTERNATIONAL ENERGY CONSERVATION CODE 2009

NOTES		A1
-	REF: -	



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DOWNTOWN AUBURN TRANSPORTATION CENTER

AUBURN, MAINE

Harriman Project No. 14135

Key Plan Proj North



Issues and Revisions

Mark	Date	Description
	3/6/15	50% SUBMISSION
	4/17/15	65% SUBMISSION

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Drawing Scales

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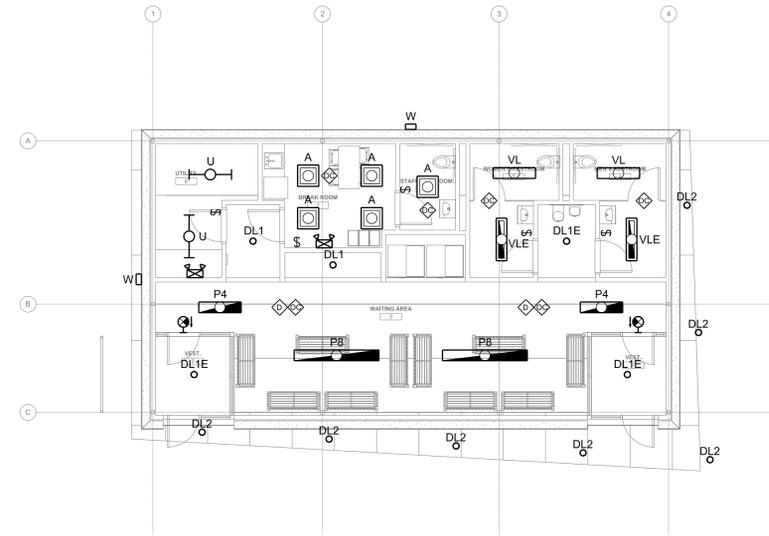
ELECTRICAL
LEGENDS, NOTES
AND SCHEDULES

E00.1

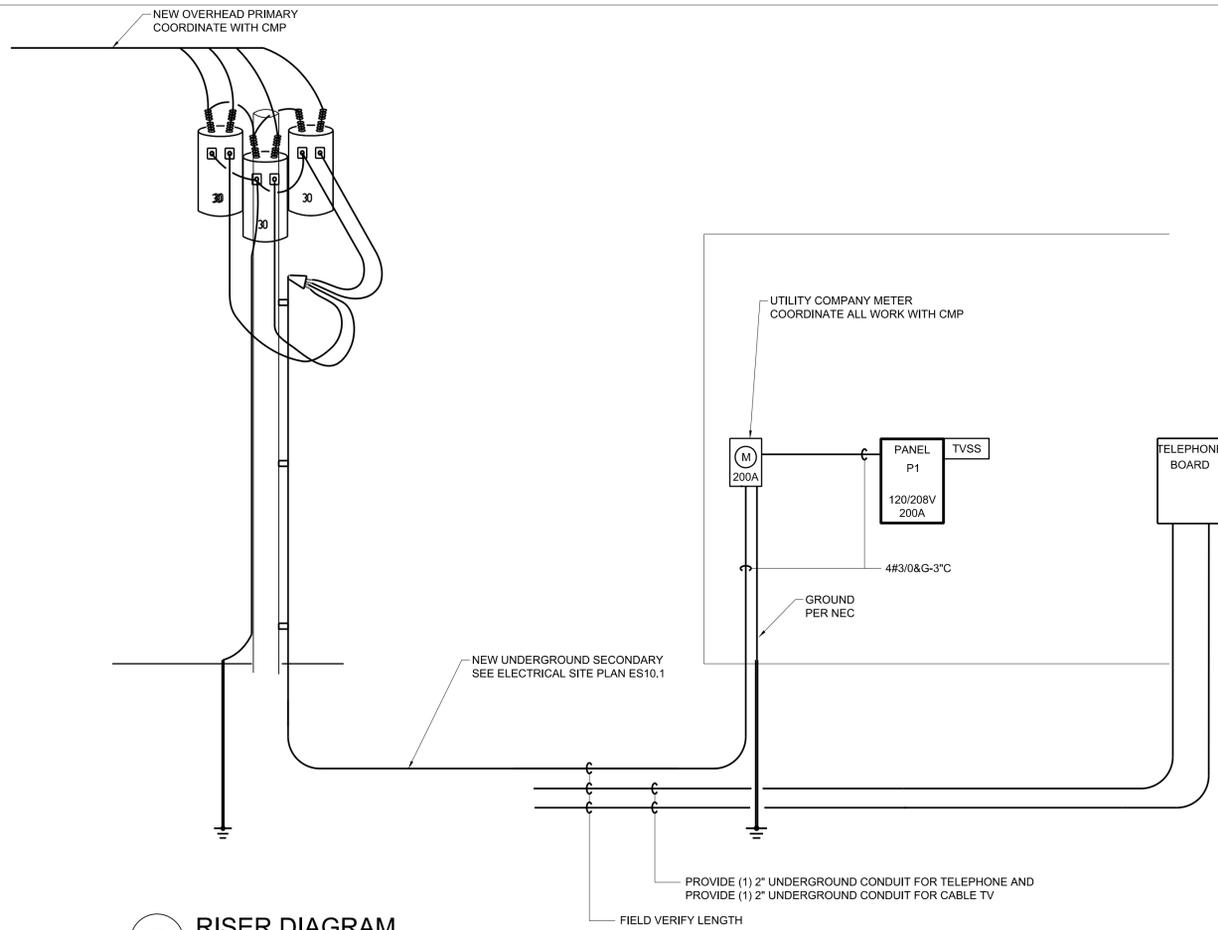
P1		VOLTAGE: 120/208 PH & WIRES: 3P 2W BUSES: MAIN BREAKER		MAIN BREAKER: 200A MAIN BRKR AIC RATING: SEE SPECS MOUNTING: SURFACE		LOCATION: UTILITY ROOM FEEDER: 3#1/0&G-2" C								
LOAD DESCRIPTION	AMP	POL	DWG CRKT NO.	WATTS	WATT LOADS			POL	DWG CRKT NO.	POL	AMP	LOAD DESCRIPTION		
					PH A	PH B	PH C							
TUB 1 OF 1 - REMARKS:														
RCPT UTIL RM	20	1	1	360	1560	--	--	1200	2	2	1	20	RCPT VENDING MACH	
RCPT WMS RR	20	1	1	3	180	--	1380	--	1200	4	4	1	20	RCPT VENDING MACH
RCPT MNS RR	20	1	1	5	180	--	--	680	500	6	6	1	20	RCPT REFRIG
RCPT KITCHEN COUNTER	20	1	1	7	1200	1740	--	--	540	8	8	1	20	RCPTS WAITING AREA
RCPTS BREAK RM	20	1	1	9	540	--	900	--	360	10	8	1	20	RCPTS WAITING AREA
RCPT STAFF RR	20	1	1	11	180	--	--	540	360	12	12	1	20	RCPTS FUTURE TICKET CTR
FIRE ALARM PANEL	20	1	1	13	180	180	--	--	0	14	14	1	20	SPARE
SPARE	20	1	15	15	0	--	0	--	0	16	16	1	20	SPARE
SPARE	20	1	17	17	0	--	0	--	0	18	18	1	20	SPARE
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SPARE	20	1	27	27	0	--	0	--	0	28	28	1	20	SPARE
SPARE	20	1	29	29	0	--	0	--	0	30	30	1	20	SPARE
SPARE	20	1	31	31	0	0	--	--	0	32	32	1	20	AIR CURTAIN
CEILING CASSETTES	20	2	33	33	0	--	0	--	0	34	34	1	20	AIR CURTAIN
CU-1	15	3	37	37	0	0	--	--	0	38	38	3	15	CU-2
				39						40				
				41						42				
TOTAL AMPS: 19.4					3480	2280	1220	TOTAL WATTS: 6980						
REMARKS:														

04/17/2015

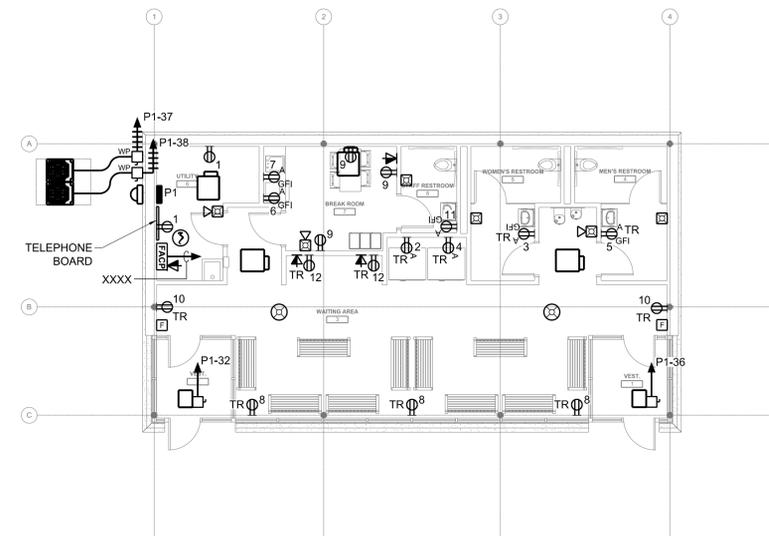
4 PANEL SCHEDULE
SCALE: NO SCALE



3 LIGHTING PLAN
SCALE: 1/8" = 1'-0"



2 RISER DIAGRAM
SCALE: NONE



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

Mark	Date	Description
	3/6/15	50% SUBMISSION
	4/17/15	65% SUBMISSION

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Drawn By:	APG	Harriman Associates

ELECTRICAL
PART PLANS &
DETAILS

E10.1



HARRIMAN

**DOWNTOWN AUBURN
 TRANSPORTATION
 CENTER**

AUBURN, MAINE

Harriman Project No. 14135

Key Plan

Proj North



Issues and Revisions		
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Drawing Scales	0 15' 30' 45'
1" = 30'-0"	

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**ELECTRICAL
 SITE PLAN**

ES10.1

