

FRANKLIN COUNTY-SHERIFF'S OFFICE

BID SET 4.12.2024

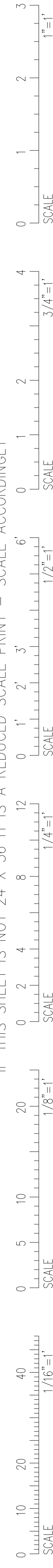


65 NEWBURY STREET
 PORTLAND, ME 04101
 207.761.9000
 fax: 207.761.2010

GENERAL NOTES

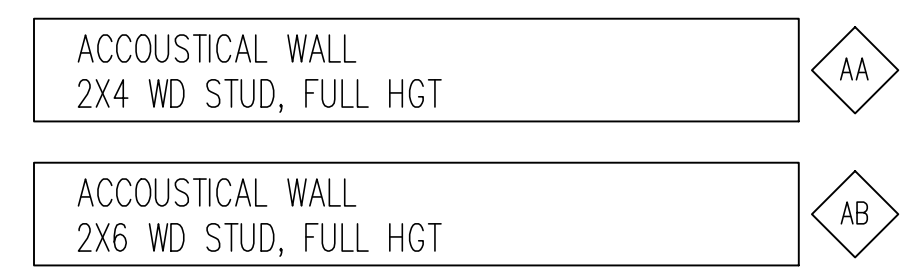
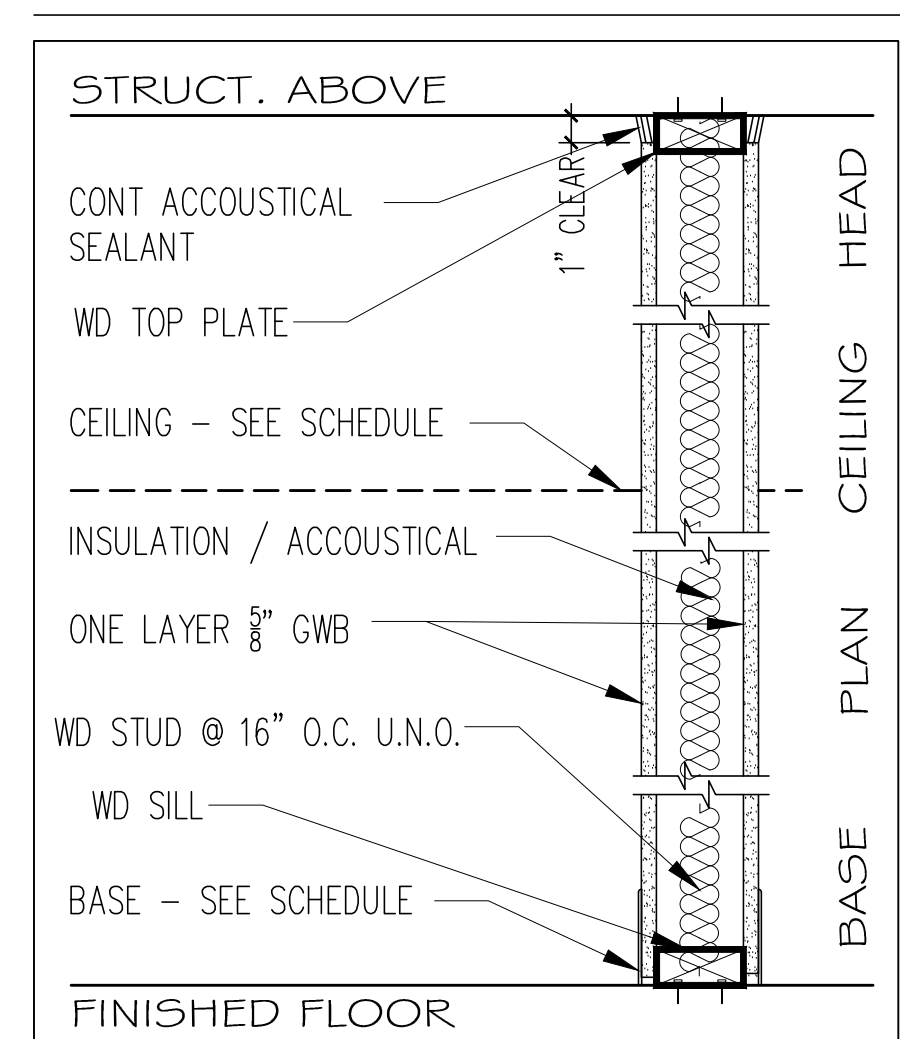
- ALL MATERIALS, COMPONENTS, AND WORK ARE NEW AND SHALL BE PROVIDED IN THIS CONTRACT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
 - ALL WORK INCLUDED IN THIS CONTRACT SHALL CONFORM TO ALL STATE, NATIONAL AND OTHER CODES AND ORDINANCES WHICH APPLY TO THIS PROJECT.
 - IT IS THE INTENT AND MEANING OF THESE DRAWINGS THAT THE CONTRACTOR AND EACH SUBCONTRACTOR PROVIDE ALL LABOR, MATERIALS, TRANSPORTATION, SUPPLIES, EQUIPMENT, ETC. TO OBTAIN A COMPLETE JOB TO INDUSTRY STANDARD IN A PROFESSIONAL WORKMANLIKE MANNER.
 - THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCY(IES) IMMEDIATELY TO THE ARCHITECT.
 - AT THE END OF EACH WORKING DAY, THE CONSTRUCTION SITE SHALL BE LEFT IN A NEAT AND CLEAN MANNER.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS WHICH ARE REQUIRED FOR THE SATISFACTORY COMPLETION OF THE WORK.
 - THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE OWNER FOR THE SEQUENCE AND TIMING OF OPERATIONS PRIOR TO COMMENCING WORK. AREAS FOR STAGING ETC. MUST BE APPROVED BY THE OWNER.
 - THE CONTRACTOR SHALL DISPOSE OF AND / OR RECYCLE ANY CONSTRUCTION DEBRIS FROM THE PROJECT SITE AS REQUIRED BY THE STATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING DISPOSAL PERMITS WHICH ARE REQUIRED. CONSTRUCTION DEBRIS FROM THE PROJECT SITE SHALL BE DISPOSED OF IN A STATE APPROVED LANDFILL.
 - ROOM NUMBERS ON THE DRAWING ARE FOR COORDINATION PURPOSES AND DO NOT NECESSARILY CORRESPOND TO ACTUAL ROOM NUMBERS.
- DUTY OF COOPERATION: RELEASE OF THESE PLANS CONTEMPLATES FURTHER COOPERATION AMONG THE OWNER, THE CONTRACTOR, THE ARCHITECT AND HIS CONSULTANTS. DESIGN AND CONSTRUCTION ARE COMPLEX. ALTHOUGH THE ARCHITECT AND HIS CONSULTANTS HAVE PERFORMED THEIR SERVICES WITH DUE CARE AND DILIGENCE, THEY CANNOT GUARANTEE PERFECTION. COMMUNICATION IS IMPERFECT, AND EVERY CONTINGENCY CANNOT BE ANTICIPATED. ANY AMBIGUITY OR DISCREPANCY DISCOVERED BY THE USE OF THESE PLANS SHALL BE REPORTED IMMEDIATELY TO THE OWNER. FAILURE TO NOTIFY THE OWNER COMPOUNDS MISUNDERSTANDING AND MAY INCREASE CONSTRUCTION COSTS. A FAILURE TO COOPERATE BY A SIMPLE NOTICE TO THE OWNER SHALL RELIEVE THE OWNER AND THE ARCHITECT FROM RESPONSIBILITY FROM ALL COSTS. THESE DRAWINGS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THE GENERAL CONTRACTOR SHALL PROVIDE FOR THE SAFETY, CARE OF UTILITIES AND ADJACENT PROPERTIES DURING CONSTRUCTION, AND SHALL COMPLY WITH STATE AND FEDERAL SAFETY REGULATIONS.
- ALL MATERIALS AND WORK SHALL BE GUARANTEED FOR A MINIMUM OF ONE YEAR FROM THE DATE OF FINAL PAYMENT.
 - NO EXPOSED PIPES, CONDUIT OR SIMILAR UNLESS INDICATED ON DRAWINGS OR PRIOR WRITTEN APPROVAL.
 - THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF SUBMITTALS FOR APPROVAL BY THE ARCHITECT.

IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY



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C-	REGISTRY OF DEEDS				
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LEGEND

- DETAIL NUMBER
- SHEET WHERE DETAIL IS DRAWN
- SHEET WHERE DETAIL IS TAKEN
- INDICATES BUILDING SECTION OR BUILDING ELEVATION
- BUILDING SECTION LETTER
- SHEET WHERE BUILDING SECTION IS DRAWN
- INTERIOR ELEVATION NUMBER
- SHEET WHERE ELEVATION IS DRAWN
- DEMO WALL FINISH
- EXISTING EXTERIOR WALL
- EXISTING WALL TO BE REMOVED
- EXISTING INTERIOR WALL
- LOBBY ROOM NAME AND NUMBER
- KEY NOTE
- DOOR NUMBER
- COLUMN GRID LINE
- ELEVATION TARGET
- WALL TYPE
- WINDOW TYPE

TYPICAL ABBREVIATIONS

- & AND
- ANG ANGLE
- AT @
- ADA AMERICAN DISABILITIES ACT
- ADJ ADJUST OR ADJACENT
- AFF ABOVE FINISH FLOOR
- ALUM ALUMINUM
- ARCH ARCHITECT OR ARCHITECTURAL
- AVG AVERAGE
- BD BOARD
- BLDG BUILDING
- BLKG BLOCKING
- BM BEAM
- BO BOTTOM OF
- < CENTER LINE
- CAB CABINET
- CLG CEILING
- CLR CLEAR
- CMU CONCRETE MASONRY UNIT
- CNTR COUNTER
- COL COLUMN
- CONC CONCRETE
- CONT CONTINUOUS
- COORD COORDINATE
- COR CORNER
- CPT CARPET
- CW COLD WATER
- DBL DOUBLE
- DEG DEGREE
- DHW DOMESTIC HOT WATER
- DIA DIAMETER
- DIM DIMENSION
- DN DOWN
- DR DOOR
- DS DOWN SPOUT
- DW DISH WASHER
- DWG DRAWING
- E EAST
- EA EACH
- EJ EXPANSION JOINT
- ELEC ELECTRIC
- ELEV ELEVATION
- EMP EMPLOYEE
- ENCL ENCLOSE
- ENT ENTRY or ENTRANCE
- EQ EQUAL
- EQUIP EQUIPMENT
- EW/C ELECTRIC WATER COOLER
- EXH EXHAUST
- EXIST EXISTING
- EXP EXPANSION
- EXT EXTERIOR
- FBO FURNISHED BY OWNER
- FDN FOUNDATION
- FF FINISH FLOOR
- FFE FINISH FLOOR ELEVATION
- FIN FINISH
- FIXT FIXTURE
- FLG FLOORING
- FLR FLOOR
- FLUOR FLUORESCENT
- FT FOOT or FEET
- GA GAUGE
- GALV GALVANIZED
- GC GENERAL CONTRACTOR
- GL GLASS
- GWB GYPSUM WALL BOARD
- HGT HEIGHT
- HM HOLLOW METAL
- HORIZ HORIZONTAL
- HR HOUR
- HVAC HEATING, VENTILATION & AIR CONDITION
- IBC INSTALLED BY CONTRACTOR
- IN INCHES
- INSUL INSULATION
- INT INTERIOR
- JOINT JOINT
- LAM LAMINATED
- LB POUNDS
- LF LINEAR FEET
- LL LINE LOAD
- LWC LIGHT WEIGHT CONCRETE
- MAX MAXIMUM
- MECH MECHANICAL
- MFG MANUFACTURE
- MH MAN HOLE
- ML MILLIMETER
- MIN MINIMUM
- MSB MAIN SWITCH BOARD
- MTD MOUNTED
- MTL METAL
- MW MICROWAVE
- N NORTH
- N/A NOT APPLICABLE
- NAT NATURAL
- NIC NOT IN CONTRACT
- # NUMBER
- NTS NOT TO SCALE
- OC ON CENTER
- OH OVER HEAD
- P/C PARALLEL
- PAR PRECAST CONCRETE
- PERF PREFERRATED
- PERP PERPENDICULAR
- PL PLATE
- P-LAM PLASTIC LAMINATE
- PLAS PLASTER
- PLBG PLUMBING
- S SOUTH
- SAT SUSPENDED ACOUSTICAL TILE
- SCHED SCHEDULE
- SD STORM DRAIN
- SECT SECTION
- SF SQUARE FEET
- SM SIMILAR
- SP SHELL PACKAGE
- SPEC SPECIFICATIONS
- SS STAINLESS STEEL
- SQ SQUARE
- STD STANDARD
- STL STEEL
- STRUC STRUCTURAL
- SUSP SUSPENDED
- SYMM SYMMETRICAL
- T THERMOSTAT
- T & B TOP AND BOTTOM
- TEL TELEPHONE
- TGL TEMPERED GLASS THICK THICKNESS
- TI TENANT IMPROVEMENTS
- TO TOP OF
- TOJ TOP OF JOIST
- TOS TOP OF STEEL
- TYP TYPICAL
- UL UNDERWRITERS LABORATORIES, INC
- UNO UNLESS NOTED OTHERWISE
- VB VINYL BASE
- VERT VERTICAL
- VCT VINYL COMPOSITE TILE
- VF VERIFY IN FIELD
- W WIDE or WEST
- WD WOOD
- WC WATER COOLER
- W/ WITH
- W/O WITHOUT
- X EXISTING

NOT FOR CONSTRUCTION

BID SET

FRANKLIN COUNTY
 123 County Way
 FARMINGTON, MAINE

Date Issued April 12, 2024
 Project Number 22418

Scale SHEET NAME
 TITLE

Drawn By MM,CR
 Checked By LAS
 T1.1

IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY



Code Review - IBC 2018

Chapter 3 - Use and Occupancy Classification

Section 304.1 - This building is classified as Use Group B (Business).

Chapter 5 - General Building Heights and Areas

Table 504.3 - The building is of Type V-B construction and is limited to 60' in height due to the sprinkler.

Table 508.4 - A required fire-separation of 1-hour is needed between the washbay (S-2) and the rest of the building.

Chapter 6 - Types of Construction

Table 601 - The construction type shall be Type V (B).

Chapter 9 - Fire Protection Systems

Figure 903.2 - A sprinkler system is not required, but one is provided (Business).

Section 906.1 - Portable fire extinguishers are required (see Egress plan).

Figure 907.2 - A fire alarm system is not required (Business under 500 occupants)(also not required if sprinkled).

Chapter 10 - Means of Egress

Table 1004.1.2 - Occupant Load, see Egress plans.

Section 1007.1.1(2) - Exit separation shall be 1/3 of the total diagonal of the space due to the sprinkler system.

Section 1013.1 - Exit signs will be provided (see Egress plans and Electrical).

Section 1017.2 - The exit access travel distance to be 300' max for Business.

Table 1020.1 - Corridors do not need to be fire rated due to the sprinkler system.

Table 1020.2 - The minimum corridor width shall be 44".

Section 1020.4 - In accordance with the exception in this section, dead-end corridors shall not exceed 50' due to the automatic sprinkler system.

Code Review - NFPA 101 (Life Safety) 2018

Chapter 6 - Classification of Occupancy

Section 6.1 - This building is classified as "Business"

Chapter 7 - Means of Egress

Section 7.2.1.4.2(1) - Doors serving an occupant load over 50 shall swing the direction of egress travel.

Table 7.3.1.2 - Occupant Load: see Egress Plans.

Section 7.5.1.3.3 - Exits shall be separated by a min of 1/3 the overall diagonal of ea space due to the sprinkler.

Section 7.5.4.1 - Two accessible means of egress have been provided.

Table 7.6 - Common Path Limit = 100'; Dead-End Limit = 50'; Travel Distance Limit = 300' (see Egress Plans).

Section 7.10.2.1 - Exit signs shall be installed per this section (see Egress Plans)

Chapter 8 - Features of Fire Protection

Table 8.2.1.2 - Construction shall by Type V (000).

Chapter 38 - New Business Occupancy

Section 38.1.7 - See Egress Plans for the occupant load.

Section 38.2.1.1 - Two means of egress are required. 4 are provided.

Section 38.2.3 - See Egress Plans for approximate number of occupants at each exit.

Section 38.2.5.1 - Means of egress shall be separated by 1/3 of the overall building diagonal distance due to provided sprinkler system.

Section 38.2.5.2.2 - Dead-end corridors shall be limited to 50'.

Section 38.2.5.3.3 - The common path of travel shall be limited to 100'.

Section 38.2.6.2 - The maximum travel distance to an exit shall not exceed 300'.

Section 38.2.8 - Means of egress shall be illuminated.

Section 38.2.9.1 - Emergency lighting will be provided.

Section 38.2.10 - Exit signs for the means of egress shall be provided (see Egress Plans for locations).

Section 38.3.4.1 - A fire alarm is provided

Section 38.3.5 - A sprinkler system is provided

Section 38.3.6.1 - Corridor fire resistance ratings are required.

THESE DRAWINGS HAVE BEEN REVIEWED BY PORT CITY ARCHITECTURE FOR COMPLIANCE WITH THE 2015 IBC/IBC, 2018 NFPA, AND THE 2010 ADA CODES ONLY. PORT CITY ARCHITECTURE HAS NOT REVIEWED THESE DRAWINGS FOR COMPLIANCE WITH ELECTRICAL, PLUMBING, HVAC OR STRUCTURAL COMPONENTS. ALL CONSTRUCTION PRACTICES ARE THE SOLE RESPONSIBILITY OF THE OWNER. ANY DEVIATIONS FROM THESE REVIEWED PLANS ARE THE SOLE RESPONSIBILITY OF THE OWNER.

EXIT SIGNAGE NOTE:
SEE EGRESS PLAN FOR EXIT SIGNAGE LOCATIONS. CONFIRM EXACT LOCATIONS WITH LOCAL AHJ. VERIFY SIGNAGE CAN BE SEEN IN ALL AREAS OF FIRST FLOOR. SOME DIRECTIONAL SIGNAGE MAY BE REQUIRED. CONTRACTOR OPTION TO INCLUDE EMERGENCY LIGHTING / EXIT SIGNAGE COMBO FIXTURES.

NOTE:
EMERGENCY LIGHTING IS REQUIRED (INCLUDE WITH ELECTRICAL PERMIT). SEE EGRESS PLANS FOR LIGHTING LOCATIONS. CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS WITH LOCAL AHJ. CONTRACTOR TO CONFIRM EXACT LIGHTING FIXTURE AND LUMEN LEVELS WITH LOCAL AHJ TO VERIFY COMPLIANCE WITH ALL APPLICABLE CODES.

FIRE EXTINGUISHER NOTE:
FIRE EXTINGUISHERS SHALL BE BRACKET MOUNTED OR IN A RECESSED (OR SEMI-RECESSED) CABINET WITH THE HANDLE AT 42" A.F.F. FIRE EXTINGUISHER IN THE SPACE TO BE CLASS ABC (SEE PLAN FOR LOCATIONS). CONFIRM EXACT SIZE W/ LOCAL JURISDICTION.

GENERAL INFORMATION:

BUILDING AREA:
BUILDING FOOTPRINT: 8,000 S.F.

NUMBER OF STORIES:
ABOVE GRADE: 1
BELOW GRADE: NONE

PORTABLE FIRE EXTINGUISHERS: YES

BUILDING USE:

IBC: BUSINESS W/ INCIDENTAL ASSEMBLY
NFPA: BUSINESS W/ INCIDENTAL ASSEMBLY

CONSTRUCTION TYPE:

IBC: 5B
NFPA: V(000)

SPRINKLED: YES

FIRE ALARM: YES

OCCUPANT LOAD :

OFFICE AREAS: 1 OCCUPANT PER 100 S.F.
36 OCCUPANTS TOTAL

CONFERENCE AREA: 1 OCCUPANT PER 15 S.F.
26 OCCUPANTS TOTAL

STORAGE/EVIDENCE/SERVER AREAS: 1 OCCUPANT PER 300 S.F.
11 OCCUPANTS TOTAL

LOBBY AREA: 1 OCCUPANT PER 150 S.F.
2 OCCUPANTS TOTAL

EOC/TRAINING/ COMMISSIONERS: 1 OCCUPANT PER 15 S.F.
68 OCCUPANTS TOTAL

FITNESS ROOM: 1 OCCUPANT PER 50 S.F.
6 OCCUPANTS TOTAL

BREAK ROOM: 1 OCCUPANT PER 15 S.F.
10 OCCUPANTS TOTAL

TOTAL OCCUPANT LOAD: 159 OCCUPANTS

NOTES:

- SPRINKLER SYSTEM TO BE INSTALLED PER NFPA 13: STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2016 EDITION.

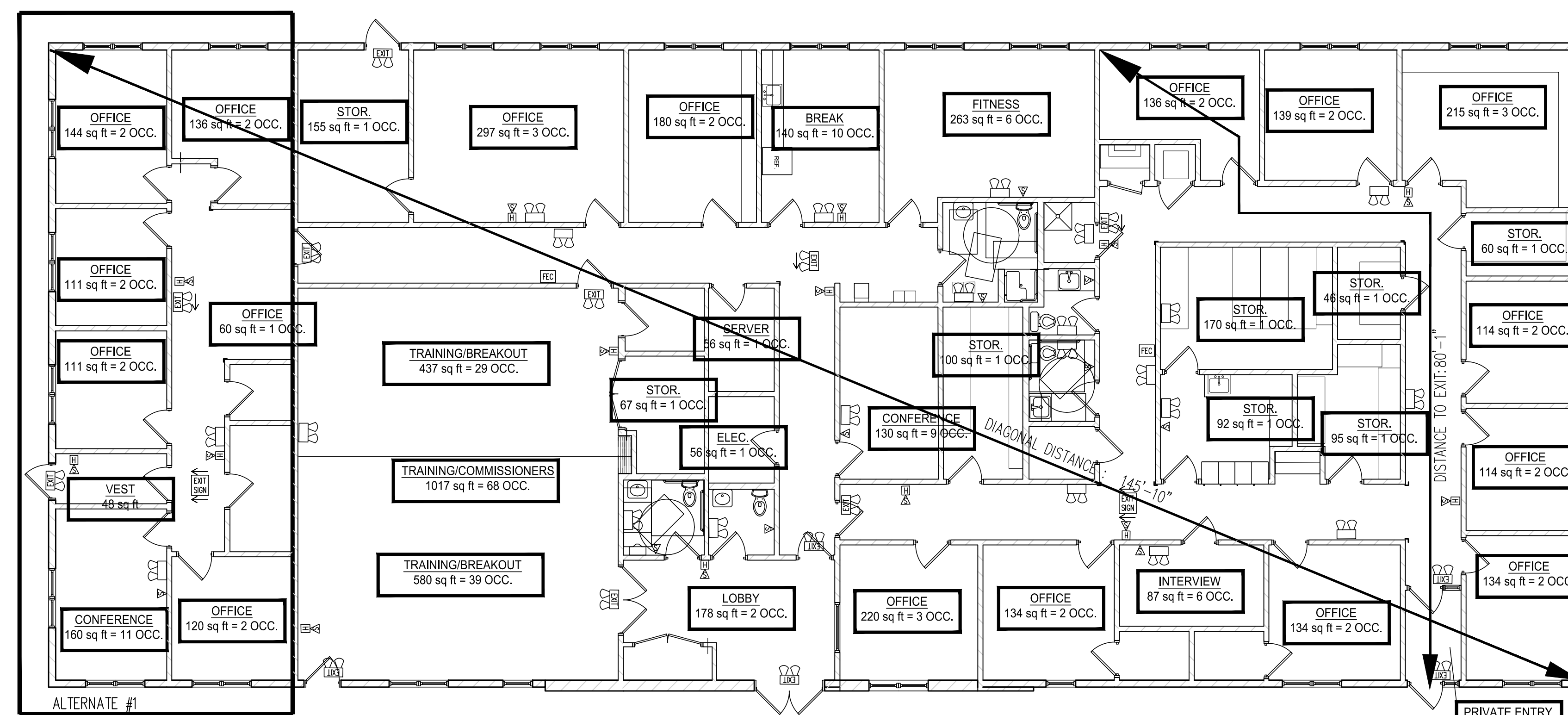
- INTEGRATED FIRE ALARM SYSTEM TO BE INSTALLED PER NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE, 2019 EDITION.

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR CONSTRUCTION (INCL, BUT NOT LIMITED TO: BUILDING, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE ALARM SYSTEM IF APPLICABLE). CONTRACTOR IS RESPONSIBLE FOR VERIFYING, AND COORDINATING ALL WORK WITH THE OWNER'S SCHEDULE, WORK TIMES, STORAGE AREAS AND BUILDING ACCESS PRIOR TO BIDDING.

CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ARCHITECT AND THE OWNER IF CONDITIONS IN THE FIELD ARE NOT AS REPRESENTED ON THESE DRAWINGS, PRIOR TO CONTINUING THE WORK.

CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL REQUIRED SAFETY MEASURES.

CONTRACTOR TO PROTECT ALL SURROUNDING CONSTRUCTION THAT IS TO REMAIN AS REQUIRED. REPAIR AND REPLACE ALL DAMAGE DONE TO SURROUNDING CONSTRUCTION AS REQUIRED.



PLUMBING FIXTURE COUNT PER 2015 IPC:
TOTAL OCCUPANT LOAD = 156 PEOPLE
MALE OCCUPANTS = 80 PEOPLE
FEMALE OCCUPANTS = 80 PEOPLE
MALE FIXTURES REQUIRED (B OCCUPANCY):
2 TOILETS / 1 URINAL / 2 SINKS
FEMALE FIXTURES REQUIRED (B OCCUPANCY):
4 TOILETS / 2 SINKS
1 DRINKING FOUNTAIN REQUIRED
1 SERVICE SINK REQUIRED

- LIFE SAFETY LEGEND**
- [EXT] FIRE EXTINGUISHER
 - [EXIT] LED EXIT SIGN
 - [EEXIT] EMERGENCY EXIT LIGHT ON BATTERY
 - [EEXIT] COMBINATION EMERGENCY EXIT SIGN AND LIGHT ON BATTERY
 - [HORN] HORN/STROBE
 - [STROBE] STROBE

1 LIFE SAFETY / EGRESS PLAN
SCALE: 1/8" = 1'-0"



65 NEWBURY STREET
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207.761.9000
fax: 207.761.2010

CONSTRUCTION SET

FRANKLIN COUNTY
123 County Way
FARMINGTON, MAINE

Date Issued April 12, 2024

Project Number 22418

Scale

SHEET NAME

CODE REVIEW

Drawn By

MM, CR

Checked By

LAS

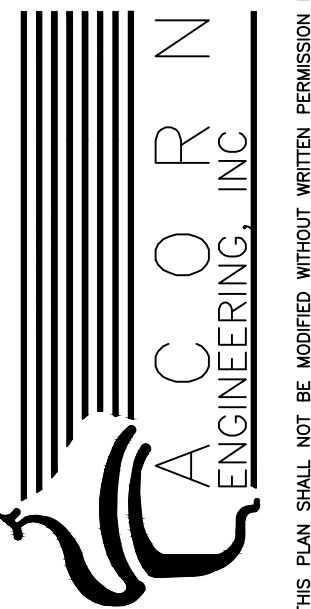
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THIS PLAN SHALL NOT BE MAILED WITHOUT WRITTEN PERMISSION FROM ACORN ENGINEERING, INC. ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO ACORN ENGINEERING, INC.



FRANKLIN COUNTY
FARMINGTON, MAINE

NO.	DATE	DESCRIPTION
1	2/9/24	PRELIM REVIEW
2	2/19/24	TEAM REVIEW
3	2/22/24	SITE REVIEW APP
4	4/12/24	BIDDING

Date Issued APRIL 12, 2024
Project Number 1221
Scale AS NOTED

COVER SHEET & LEGEND

Drawn By NPH
Checked By CAB
C-01

123 COUNTY WAY

FRANKLIN COUNTY FARMINGTON, MAINE

ABBREVIATIONS

APPROX.	APPROXIMATE
BC	BOTTOM OF CURB
BMP	BEST MANAGEMENT PRACTICE
BOT.	BOTTOM
CAD	COMPUTER AIDED DESIGN
CB	CATCH BASIN
CF	CUBIC FOOT
CIP	CAST IN PLACE
CL	CENTERLINE
CM	CONSTRUCTION MANAGER
CMP	CENTRAL MAINE POWER
CONC.	CONCRETE
CPP	CORRUGATED PLASTIC PIPE
CY	CUBIC YARD
DI	DUCTILE IRON PIPE
DIA.	DIAMETER
DIM.	DIMENSION
EA.	EACH
ELEC.	ELECTRICAL
ELEV.	ELEVATION
EQUIV.	EQUIVALENT
EST.	ESTIMATE
EX.	EXISTING
FFE	FINISH FLOOR ELEVATION
FT.	FEET
FI	FIELD INLET
HDPE	HIGH DENSITY POLY ETHYLENE
ID	INNER DIAMETER
IN.	INCH
INV.	INVERT
L	LENGTH
MAX.	MAXIMUM
MDEP	MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION
MDOT	MAINE DEPARTMENT OF TRANSPORTATION
M.E.P	MECHANICAL, ELECTRICAL, PLUMBING DESIGNER
MFG.	MANUFACTURED
MH	MANHOLE
MIN.	MINIMUM
O.C.	ON CENTER
OD	OUTSIDE DIAMETER
OHE/T/C	OVERHEAD ELECTRIC/TELEPHONE/CABLE
PC	PRECAST
PE	PROFESSIONAL ENGINEER
PL	PROPERTY LINE
PLS	PROFESSIONAL LAND SURVEYOR
PROP.	PROPOSED
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
PWD	PORTLAND WATER DISTRICT
R	RADIUS
RD	ROOF DRAIN
RET.	RETAINING
ROW	RIGHT OF WAY
S	SLOPE
SD	STORM DRAIN
SDR	STANDARD DIMENSION RATIO
SF	SQUARE FEET
SMH	SEWER MANHOLE
SPEC.	SPECIFICATION
TC	TOP OF CURB
TD	TIPDOWN
TW	TOP OF WALL
TYP.	TYPICAL
UD	UNDERDRAIN
UGE	UNDERGROUND ELECTRIC
VIF	VERIFY IN FIELD

BIDDING SET
NOT FOR CONSTRUCTION

PROJECT TEAM

STRUCTURAL ENGINEER

STRUCTURAL INTEGRITY CONSULTING ENGINEERS, INC.
PORTLAND, MAINE
CONTACT: AARON JONES, P.E.
(207) 774-4614



CIVIL ENGINEER:

ACORN ENGINEERING, INC.
PORTLAND, MAINE
CONTACT: CRAIG BURGESS, P.E.
(207) 775-2655



GENERAL CONTRACTOR

JF SCOTT CONSTRUCTION
WINTHROP, MAINE
CONTACT: NICK MORGAN
(207) 337-8699



MEP DESIGNER

MECHANICAL SYSTEMS ENGINEERS INC
YARMOUTH, MAINE
CONTACT: KURT MAGNUSON, P.E.
(207) 846-1441 EXT 202



ELECTRICAL ENGINEER

SWIFTCURRENT ENGINEERING
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CONTACT: TIM MATTHEWS, P.E.
(207) 847-9280



OWNER

FRANKLIN COUNTY
FARMINGTON, MAINE
CONTACT: AMY BERNARD
(207)-860-4281



ARCHITECT

PORT CITY ARCHITECTURE
PORTLAND, MAINE
CONTACT: CURTIS ROBINSON
(207) 761-9000



SURVEYOR

ACME LAND SURVEYING
FARMINGTON, MAINE
CONTACT: ROMANY SHANTI, P.L.S.
(207) 778-4081



GEOTECHNICAL ENGINEER

SUMMIT GEOENGINEERING SERVICES
LEWISTON, MAINE
CONTACT: BILL PETERLEIN, P.E.
(207) 576-3313



UTILITIES

WATER

FARMINGTON WATER DEPARTMENT
137 HIGH ST
FARMINGTON, MAINE 04938
CONTACT: TOM HOLT
(207) 778-4777



ELECTRIC

CENTRAL MAINE POWER COMPANY
209 WHITTIER RD
FARMINGTON, MAINE 04938
CONTACT: LEVI EMERY
(207) 320-8644



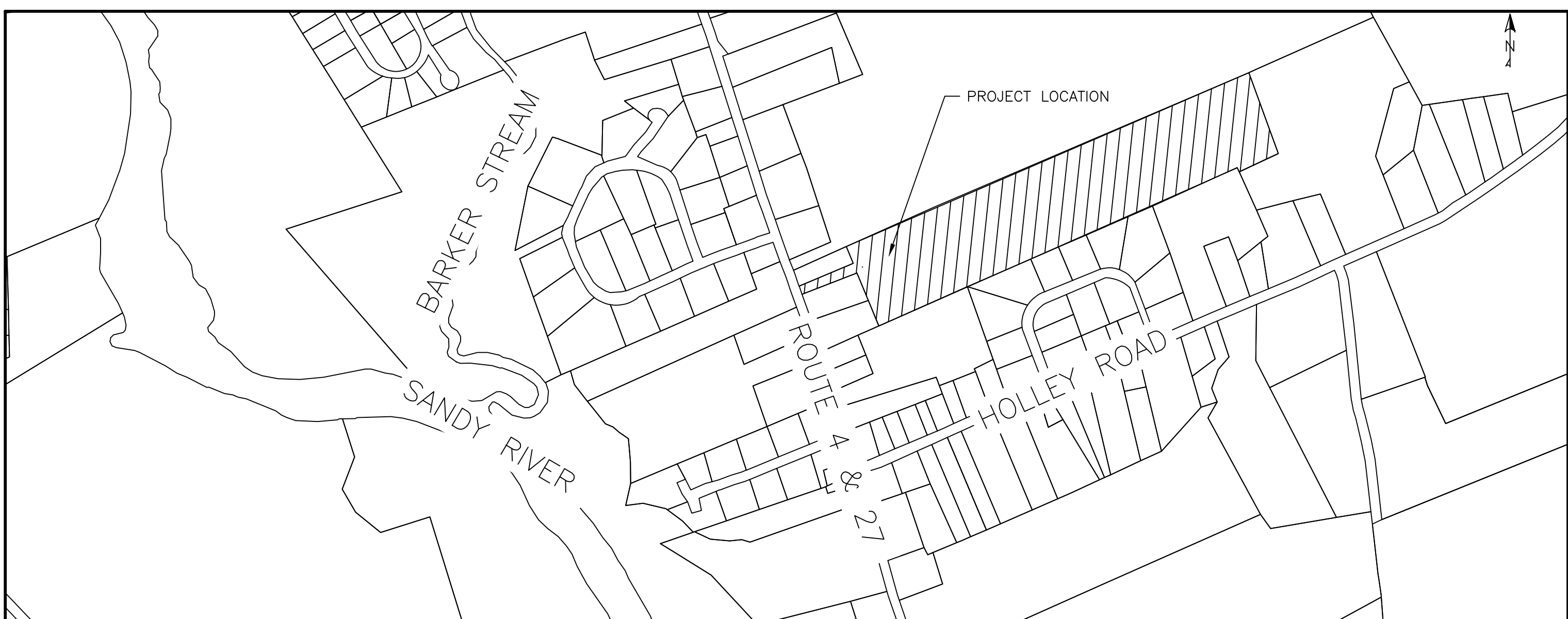
TELEPHONE

CONSOLIDATED COMMUNICATIONS
(FORMERLY FAIRPOINT)
45 FOREST AVENUE
PORTLAND, MAINE 04101
(207) 745-9363



CABLE

SPECTRUM CABLE
118 JOHNSON ROAD
PORTLAND, MAINE, 04102
(207) 631-1618



VICINITY MAP
SCALE: 1:500

LEGEND

EXISTING	PROPOSED
FOUNDATION DRAIN	FO
CRUSHED STONE	
UTILITY PAVEMENT CUTS	
GRASS	
BITUMINOUS PAVEMENT	
CONCRETE	
STRIPING	
SEDIMENTATION BARRIER	
EDGE OF EX. PAVEMENT	
VERTICAL CURB	
SIGN	
LAMP OR LIGHT POLE	
UTILITY POLE	
GUY WIRE	
WATER VALVE	
FIRE HYDRANT	
SEWER MANHOLE	
CATCH BASIN	
DRAIN MANHOLE	
ELECTRIC MANHOLE	
UNDERGROUND ELECTRIC LINE	UGE
UNDERGROUND WATER LINE	UWL
MINOR CONTOURS (1 FT)	64
MAJOR CONTOURS (5 FT)	65
GAS LINE	
STORM DRAIN	
GRAVITY SANITARY SEWER	
FORCE MAIN/LOW PRESSURE SANITARY SEWER	FM
EXISTING/PROPOSED BUILDING	
OVERHEAD ELECTRICAL/TELEPHONE/CABLE	OHE/T/C
UNDERGROUND ELECTRIC	UGE
UNDERGROUND TELECOM	UG/T/C
UNDERGROUND ELECTRIC AND TELECOM	UGE/T/C
TRANSFORMER PAD	
BOLLARD	
PROPERTY LINE	
SETBACKS	

INDEX

- C-01 COVER SHEET & LEGEND
- C-02 GENERAL NOTES
- EX-1 BOUNDARY AND TOPOGRAPHIC SURVEY BY ACME LAND SURVEYING (OVERALL PARCEL)
- EX-2 BOUNDARY AND TOPOGRAPHIC SURVEY BY ACME LAND SURVEYING
- C-03 CONSTRUCTION MGMT AND ESC PLAN
- C-09 OVERALL SITE PLAN
- C-10 SITE PLAN
- C-20 UTILITY PLAN
- C-30 GRADING & DRAINAGE PLAN
- C-31 STORM DRAIN EXTENSION PLAN
- C-40 SITE DETAILS - 1
- C-41 SITE DETAILS - 2
- C-42 UTILITY DETAILS - 1
- C-43 UTILITY DETAILS - 2
- C-44 DRAINAGE DETAILS - 1
- C-45 DRAINAGE DETAILS - 2
- C-46 EROSION CONTROL DETAILS & NOTES

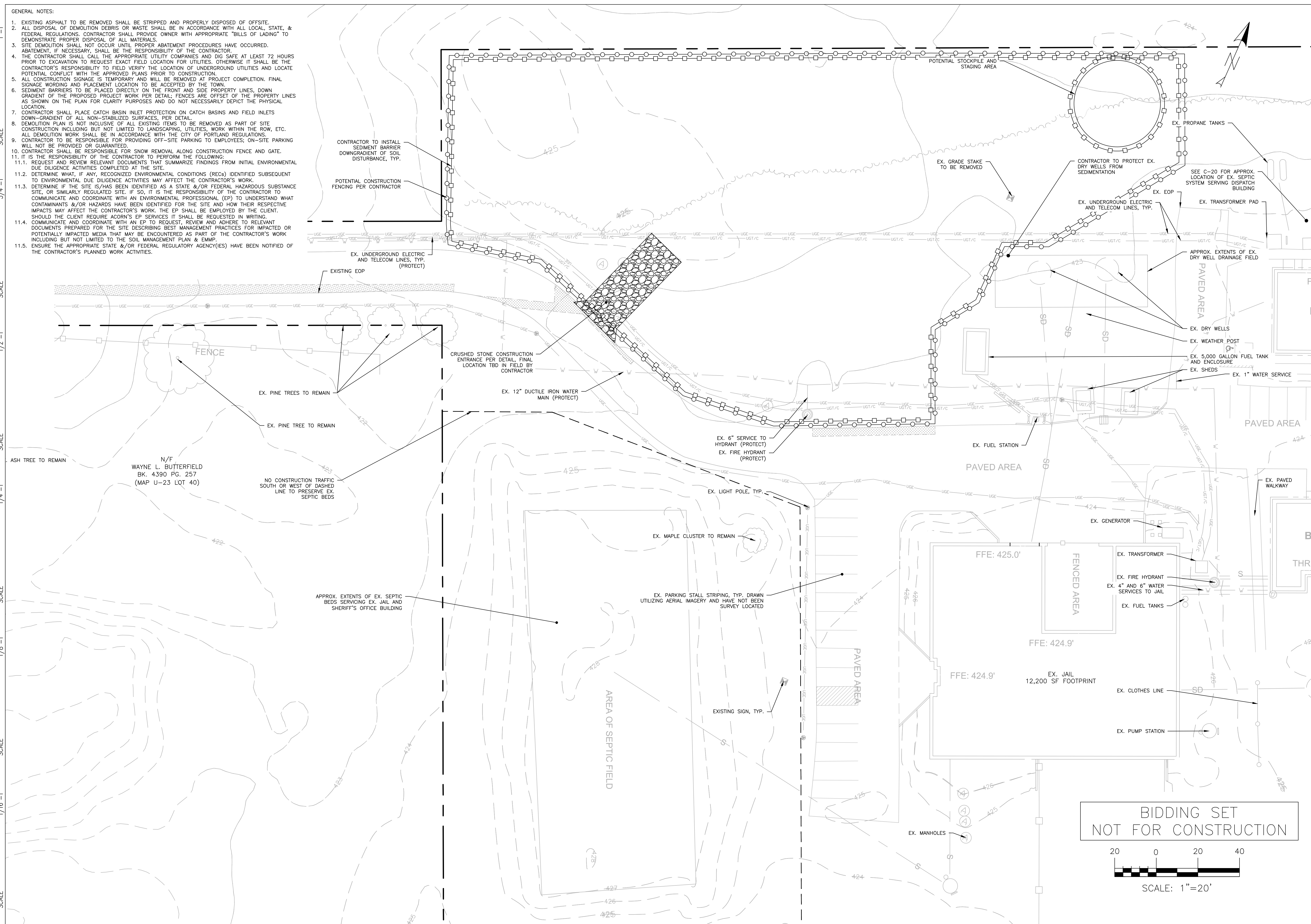
CALL BEFORE YOU DIG
1-888-DIG-SAFE
1-888-344-7233

IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY

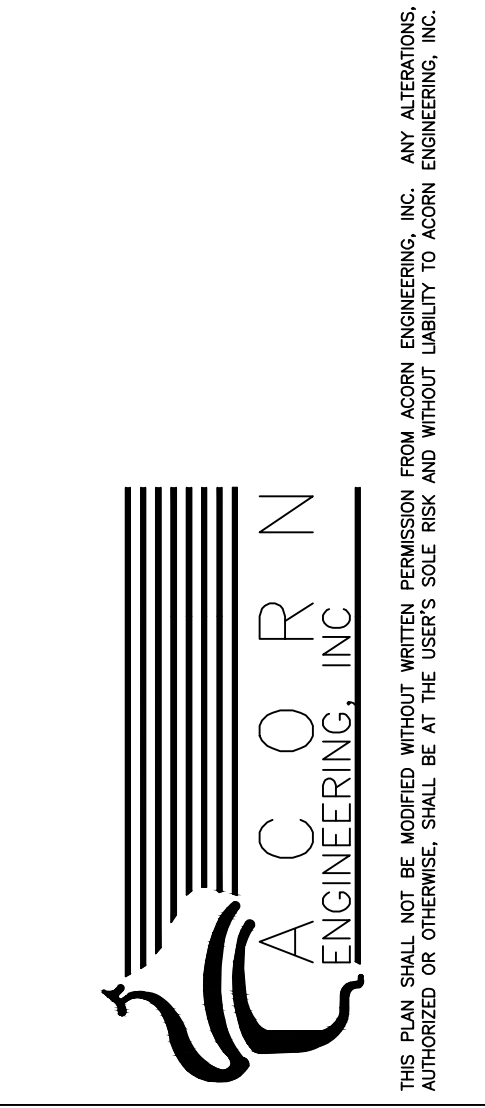
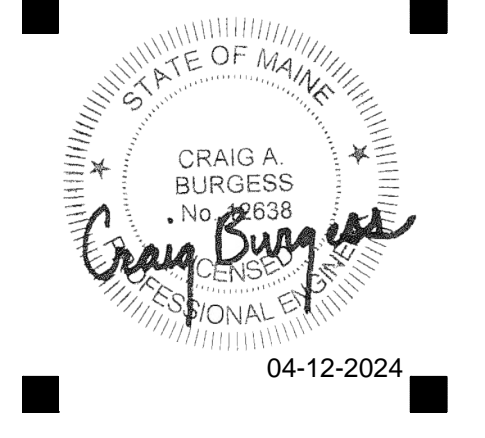
IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY

SCALE 1"=1'
SCALE 3/4"=1'
SCALE 1/2"=1'
SCALE 1/4"=1'
SCALE 1/8"=1'
SCALE 1/16"=1'

- GENERAL NOTES:
- EXISTING ASPHALT TO BE REMOVED SHALL BE STRIPPED AND PROPERLY DISPOSED OFFSITE.
 - ALL DISPOSAL OF DEMOLITION DEBRIS OR WASTE SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, & FEDERAL REGULATIONS. CONTRACTOR SHALL PROVIDE OWNER WITH APPROPRIATE "BILLS OF LADING" TO DEMONSTRATE PROPER DISPOSAL OF ALL MATERIALS.
 - SITE DEMOLITION SHALL NOT OCCUR UNTIL PROPER ABATEMENT PROCEDURES HAVE OCCURRED. ABATEMENT, IF NECESSARY, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANIES AND DIG SAFE AT LEAST 72 HOURS PRIOR TO EXCAVATION TO REQUEST EXACT FIELD LOCATION FOR UTILITIES. OTHERWISE IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF UNDERGROUND UTILITIES AND LOCATE POTENTIAL CONFLICT WITH THE APPROVED PLANS PRIOR TO CONSTRUCTION.
 - ALL CONSTRUCTION SIGNAGE IS TEMPORARY AND WILL BE REMOVED AT PROJECT COMPLETION. FINAL SIGNAGE WORDING AND PLACEMENT LOCATION TO BE ACCEPTED BY THE TOWN.
 - SEDIMENT BARRIERS TO BE PLACED DIRECTLY ON THE FRONT AND SIDE PROPERTY LINES, DOWN GRADIENT OF THE PROPOSED PROJECT WORK PER DETAIL; FENCES ARE OFFSET OF THE PROPERTY LINES AS SHOWN ON THE PLAN FOR CLARITY PURPOSES AND DO NOT NECESSARILY DEPICT THE PHYSICAL LOCATION.
 - CONTRACTOR SHALL PLACE CATCH BASIN INLET PROTECTION ON CATCH BASINS AND FIELD INLETS DOWN-GRADIENT OF ALL NON-STABILIZED SURFACES, PER DETAIL.
 - DEMOLITION PLAN IS NOT INCLUSIVE OF ALL EXISTING ITEMS TO BE REMOVED AS PART OF SITE CONSTRUCTION INCLUDING BUT NOT LIMITED TO LANDSCAPING, UTILITIES, WORK WITHIN THE ROW, ETC. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF PORTLAND REGULATIONS.
 - CONTRACTOR TO BE RESPONSIBLE FOR PROVIDING OFF-SITE PARKING FOR EMPLOYEES; ON-SITE PARKING WILL NOT BE PROVIDED OR GUARANTEED.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR SNOW REMOVAL ALONG CONSTRUCTION FENCE AND GATE.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM THE FOLLOWING:
 - REQUEST AND REVIEW RELEVANT DOCUMENTS THAT SUMMARIZE FINDINGS FROM INITIAL ENVIRONMENTAL DUE DILIGENCE ACTIVITIES COMPLETED AT THE SITE.
 - DETERMINE WHAT, IF ANY, RECOGNIZED ENVIRONMENTAL CONDITIONS (RECs) IDENTIFIED SUBSEQUENT TO ENVIRONMENTAL DUE DILIGENCE ACTIVITIES MAY AFFECT THE CONTRACTOR'S WORK.
 - DETERMINE IF THE SITE IS/HAS BEEN IDENTIFIED AS A STATE &/OR FEDERAL HAZARDOUS SUBSTANCE SITE, OR SIMILARLY REGULATED SITE. IF SO, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMMUNICATE AND COORDINATE WITH AN ENVIRONMENTAL PROFESSIONAL (EP) TO UNDERSTAND WHAT CONTAMINANTS &/OR HAZARDS HAVE BEEN IDENTIFIED FOR THE SITE AND HOW THEIR RESPECTIVE IMPACTS MAY AFFECT THE CONTRACTOR'S WORK. THE EP SHALL BE EMPLOYED BY THE CLIENT. SHOULD THE CLIENT REQUIRE ACORN'S EP SERVICES IT SHALL BE REQUESTED IN WRITING.
 - COMMUNICATE AND COORDINATE WITH AN EP TO REQUEST, REVIEW AND ADHERE TO RELEVANT DOCUMENTS PREPARED FOR THE SITE DESCRIBING BEST MANAGEMENT PRACTICES FOR IMPACTED OR POTENTIALLY IMPACTED MEDIA THAT MAY BE ENCOUNTERED AS PART OF THE CONTRACTOR'S WORK INCLUDING BUT NOT LIMITED TO THE SOIL MANAGEMENT PLAN & EMP.
 - ENSURE THE APPROPRIATE STATE &/OR FEDERAL REGULATORY AGENCY(ES) HAVE BEEN NOTIFIED OF THE CONTRACTOR'S PLANNED WORK ACTIVITIES.



65 NEWBURY STREET
PORTLAND, ME 04101
207.761.9000
fax: 207.761.2010



FRANKLIN COUNTY
FARMINGTON, MAINE

1	2/9/24	PRELIM REVIEW
2	2/19/24	TEAM REVIEW
3	2/22/24	SITE REVIEW APP
4	4/12/24	BIDDING

Date Issued APRIL 12, 2024
Project Number 1221
Scale AS NOTED

CONSTRUCTION MANAGEMENT & ESC PLAN
Drawn By NPH
Checked By CAB

C-03

BIDDING SET
NOT FOR CONSTRUCTION

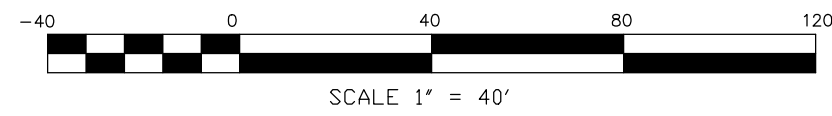


**EXISTING CONDITIONS AND TOPOGRAPHY
FOR LAND OF
FRANKLIN COUNTY**
SHEET 2 OF 2

CLIENT NAME / MAILING ADDRESS:
PORT CITY ARCHITECTURE (c/o CURTIS ROBINSON)
65 NEWBURY STREET, PORTLAND, ME 04101

OWNER OF RECORD:
FRANKLIN COUNTY
BY DEED RECORDED IN THE FRANKLIN COUNTY REGISTRY OF DEEDS
IN BOOK 640 PAGE 44

ROUTES 4 & 27 (FAIRBANKS ROAD) AND COUNTY WAY
FARMINGTON - FRANKLIN COUNTY - MAINE



ACME LAND SURVEYING, LLC

108 FAIRBANKS ROAD, SUITE C - FARMINGTON, ME 04938

APPROVED BY: *Romany Shanti* DATED: 02/01/2024
ROMANY SHANTI, PROFESSIONAL LAND SURVEYOR #2544 PROJECT #7697

LEGEND

- 1/2" REBAR WITH PLS 2544 (SEE PLAN REF. 1)
- ⊙ IRON PIN FOUND (SEE PLAN REF. 1)
- ANGLE POINT / LINE SEGMENT
- ⬇ LIGHT POST
- ⊠ POST / VARIOUS, AS NOTED
- ⊕ UTILITY POLE
- ⊡ CATCH BASIN
- ⊙ NOTEWORTHY TREE
- PRIMARY BOUNDARY (SUBJECT PARCEL)
- - - SECONDARY BOUNDARY (FOR REFERENCE)
- - - RIGHT-OF-WAY LIMIT, AS NOTED
- - - MUNICIPAL SETBACK (SEE NOTE A)
- - - APPROXIMATE FEATURE, AS NOTED
- - - OVERHEAD UTILITY LINE
- - - EDGE OF PAVED AREA
- - - APPROXIMATE TREE LINE
- N/F NOW OR FORMERLY

UNDERGROUND LEGEND

- UNDERGROUND UTILITY (AS MARKED ON SITE - 01/2024)
- - - UNDERGROUND UTILITY (AS SHOWN ON CITED PLAN)
- S LINE LABEL - SEWER / SEPTIC
- SD LINE LABEL - STORM DRAIN
- E LINE LABEL - ELECTRIC
- T LINE LABEL - TELECOMMUNICATIONS
- G LINE LABEL - GAS / FUEL
- W LINE LABEL - WATER
- ??? LINE LABEL - ASSUMED / NOT MARKED
- ⊙ HYDRANT
- ⊕ UTILITY ACCESS COVER
- ⊕ WATER VALVE, AS NOTED
- ⊙ UNDERGROUND - SURFACE CONDUIT

TOPOGRAPHIC LEGEND

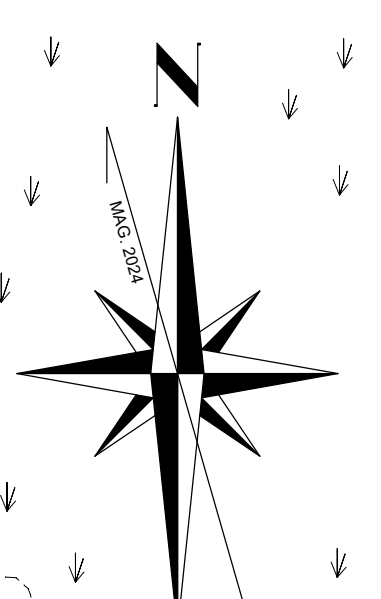
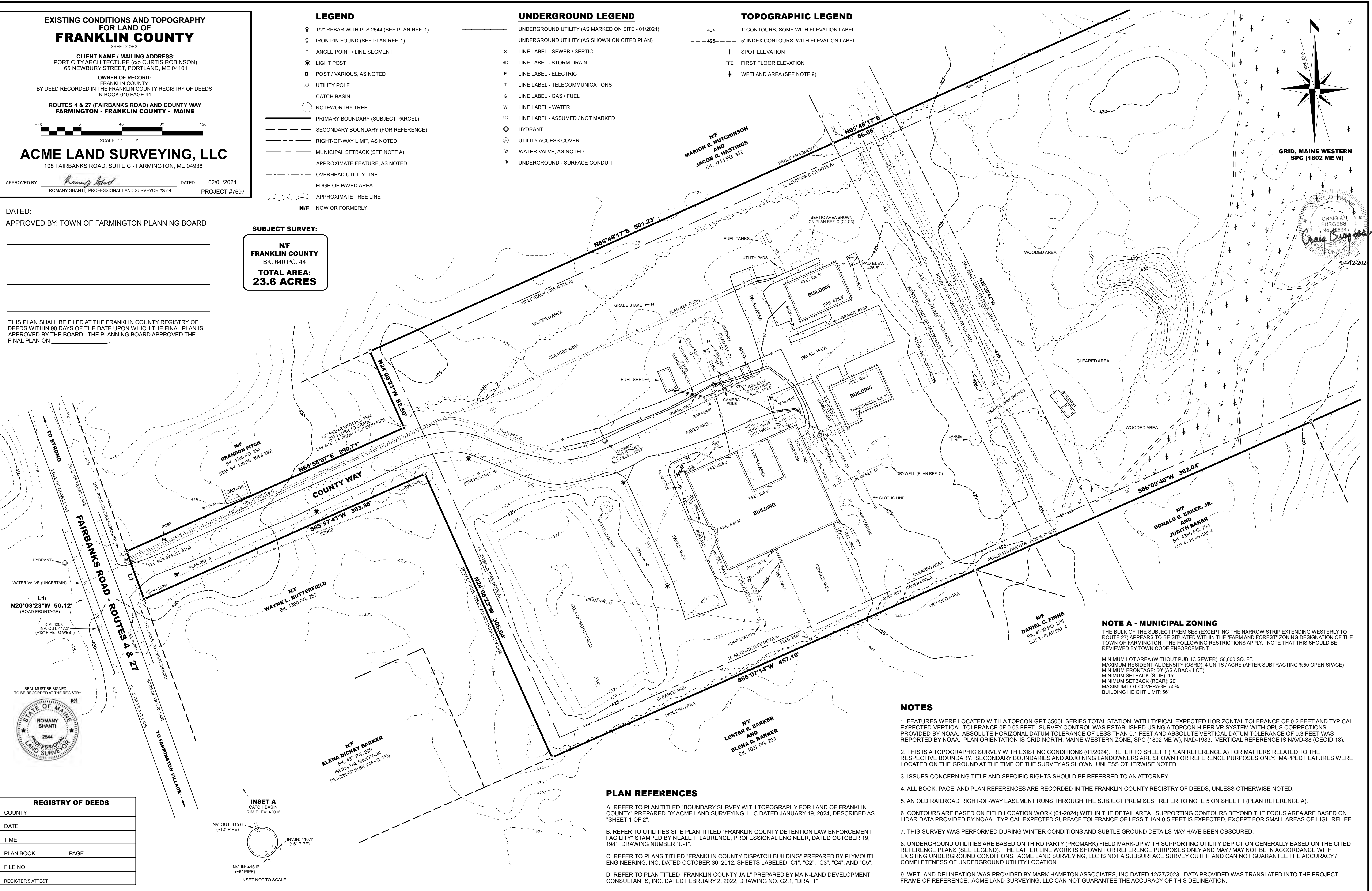
- - -424- - - 1' CONTOURS, SOME WITH ELEVATION LABEL
- - -425- - - 5' INDEX CONTOURS, WITH ELEVATION LABEL
- + SPOT ELEVATION
- FFE: FIRST FLOOR ELEVATION
- ⬇ WETLAND AREA (SEE NOTE 9)

DATED: _____
APPROVED BY: TOWN OF FARMINGTON PLANNING BOARD

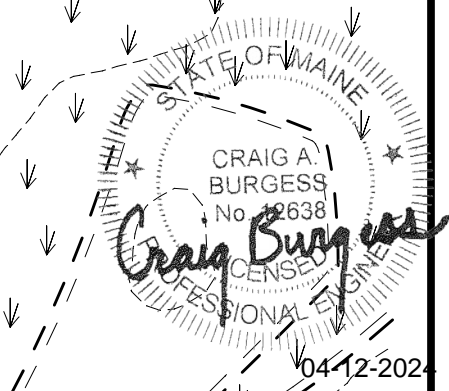
SUBJECT SURVEY:

N/F
FRANKLIN COUNTY
BK. 640 PG. 44
**TOTAL AREA:
23.6 ACRES**

THIS PLAN SHALL BE FILED AT THE FRANKLIN COUNTY REGISTRY OF DEEDS WITHIN 90 DAYS OF THE DATE UPON WHICH THE FINAL PLAN IS APPROVED BY THE BOARD. THE PLANNING BOARD APPROVED THE FINAL PLAN ON _____



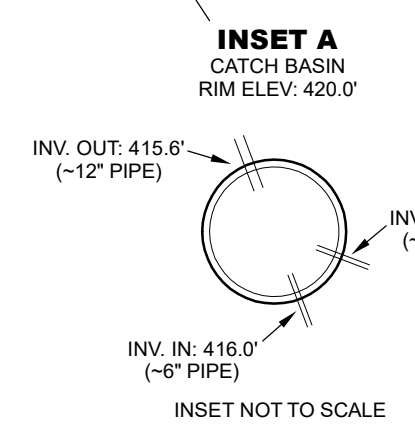
GRID, MAINE WESTERN SPC (1802 ME W)



04-12-2024



REGISTRY OF DEEDS	
COUNTY	
DATE	
TIME	
PLAN BOOK	PAGE
FILE NO.	
REGISTRAR'S ATTEST	



NOTE A - MUNICIPAL ZONING
THE BULK OF THE SUBJECT PREMISES (EXCEPTING THE NARROW STRIP EXTENDING WESTERLY TO ROUTE 27) APPEARS TO BE SITUATED WITHIN THE "FARM AND FOREST" ZONING DESIGNATION OF THE TOWN OF FARMINGTON. THE FOLLOWING RESTRICTIONS APPLY. NOTE THAT THIS SHOULD BE REVIEWED BY TOWN CODE ENFORCEMENT.
MINIMUM LOT AREA (WITHOUT PUBLIC SEWER): 50,000 SQ. FT.
MAXIMUM RESIDENTIAL DENSITY (OSRD): 4 UNITS / ACRE (AFTER SUBTRACTING %50 OPEN SPACE)
MINIMUM FRONTAGE: 50' (AS A BACK LOT)
MINIMUM SETBACK (SIDE): 15'
MINIMUM SETBACK (REAR): 20'
MAXIMUM LOT COVERAGE: 50%
BUILDING HEIGHT LIMIT: 5'

NOTES

1. FEATURES WERE LOCATED WITH A TOPCON GPT-3500L SERIES TOTAL STATION, WITH TYPICAL EXPECTED HORIZONTAL TOLERANCE OF 0.2 FEET AND TYPICAL EXPECTED VERTICAL TOLERANCE OF 0.05 FEET. SURVEY CONTROL WAS ESTABLISHED USING A TOPCON HIPER VR SYSTEM WITH OPUS CORRECTIONS PROVIDED BY NOAA. ABSOLUTE HORIZONTAL DATUM TOLERANCE OF LESS THAN 0.1 FEET AND ABSOLUTE VERTICAL DATUM TOLERANCE OF 0.3 FEET WAS REPORTED BY NOAA. PLAN ORIENTATION IS GRID NORTH, MAINE WESTERN ZONE, SPC (1802 ME W), NAD-1983. VERTICAL REFERENCE IS NAVD-88 (GEOID 18).
2. THIS IS A TOPOGRAPHIC SURVEY WITH EXISTING CONDITIONS (01/2024). REFER TO SHEET 1 (PLAN REFERENCE A) FOR MATTERS RELATED TO THE RESPECTIVE BOUNDARY. SECONDARY BOUNDARIES AND ADJOINING LANDOWNERS ARE SHOWN FOR REFERENCE PURPOSES ONLY. MAPPED FEATURES WERE LOCATED ON THE GROUND AT THE TIME OF THE SURVEY AS SHOWN, UNLESS OTHERWISE NOTED.
3. ISSUES CONCERNING TITLE AND SPECIFIC RIGHTS SHOULD BE REFERRED TO AN ATTORNEY.
4. ALL BOOK, PAGE, AND PLAN REFERENCES ARE RECORDED IN THE FRANKLIN COUNTY REGISTRY OF DEEDS, UNLESS OTHERWISE NOTED.
5. AN OLD RAILROAD RIGHT-OF-WAY EASEMENT RUNS THROUGH THE SUBJECT PREMISES. REFER TO NOTE 5 ON SHEET 1 (PLAN REFERENCE A).
6. CONTOURS ARE BASED ON FIELD LOCATION WORK (01-2024) WITHIN THE DETAIL AREA. SUPPORTING CONTOURS BEYOND THE FOCUS AREA ARE BASED ON LIDAR DATA PROVIDED BY NOAA. TYPICAL EXPECTED SURFACE TOLERANCE OF LESS THAN 0.5 FEET IS EXPECTED, EXCEPT FOR SMALL AREAS OF HIGH RELIEF.
7. THIS SURVEY WAS PERFORMED DURING WINTER CONDITIONS AND SUBTLE GROUND DETAILS MAY HAVE BEEN OBSERVED.
8. UNDERGROUND UTILITIES ARE BASED ON THIRD PARTY (PROMARK) FIELD MARK-UP WITH SUPPORTING UTILITY DEPICTION GENERALLY BASED ON THE CITED REFERENCE PLANS (SEE LEGEND). THE LATTER LINE WORK IS SHOWN FOR REFERENCE PURPOSES ONLY AND MAY / MAY NOT BE IN ACCORDANCE WITH EXISTING UNDERGROUND CONDITIONS. ACME LAND SURVEYING, LLC IS NOT A SUBSURFACE SURVEY OUTFIT AND CAN NOT GUARANTEE THE ACCURACY / COMPLETENESS OF UNDERGROUND UTILITY LOCATION.
9. WETLAND DELINEATION WAS PROVIDED BY MARK HAMPTON ASSOCIATES, INC DATED 12/27/2023. DATA PROVIDED WAS TRANSLATED INTO THE PROJECT FRAME OF REFERENCE. ACME LAND SURVEYING, LLC CAN NOT GUARANTEE THE ACCURACY OF THIS DELINEATION.

PLAN REFERENCES

- A. REFER TO PLAN TITLED "BOUNDARY SURVEY WITH TOPOGRAPHY FOR LAND OF FRANKLIN COUNTY" PREPARED BY ACME LAND SURVEYING, LLC DATED JANUARY 19, 2024, DESCRIBED AS "SHEET 1 OF 2".
- B. REFER TO UTILITIES SITE PLAN TITLED "FRANKLIN COUNTY DETENTION LAW ENFORCEMENT FACILITY" STAMPED BY NEALE F. LAURENCE, PROFESSIONAL ENGINEER, DATED OCTOBER 19, 1981, DRAWING NUMBER "U-1".
- C. REFER TO PLANS TITLED "FRANKLIN COUNTY DISPATCH BUILDING" PREPARED BY PLYMOUTH ENGINEERING, INC. DATED OCTOBER 30, 2012, SHEETS LABELED "C1", "C2", "C3", "C4", AND "C5".
- D. REFER TO PLAN TITLED "FRANKLIN COUNTY JAIL" PREPARED BY MAIN-LAND DEVELOPMENT CONSULTANTS, INC. DATED FEBRUARY 2, 2022, DRAWING NO. C2.1, "DRAFT".

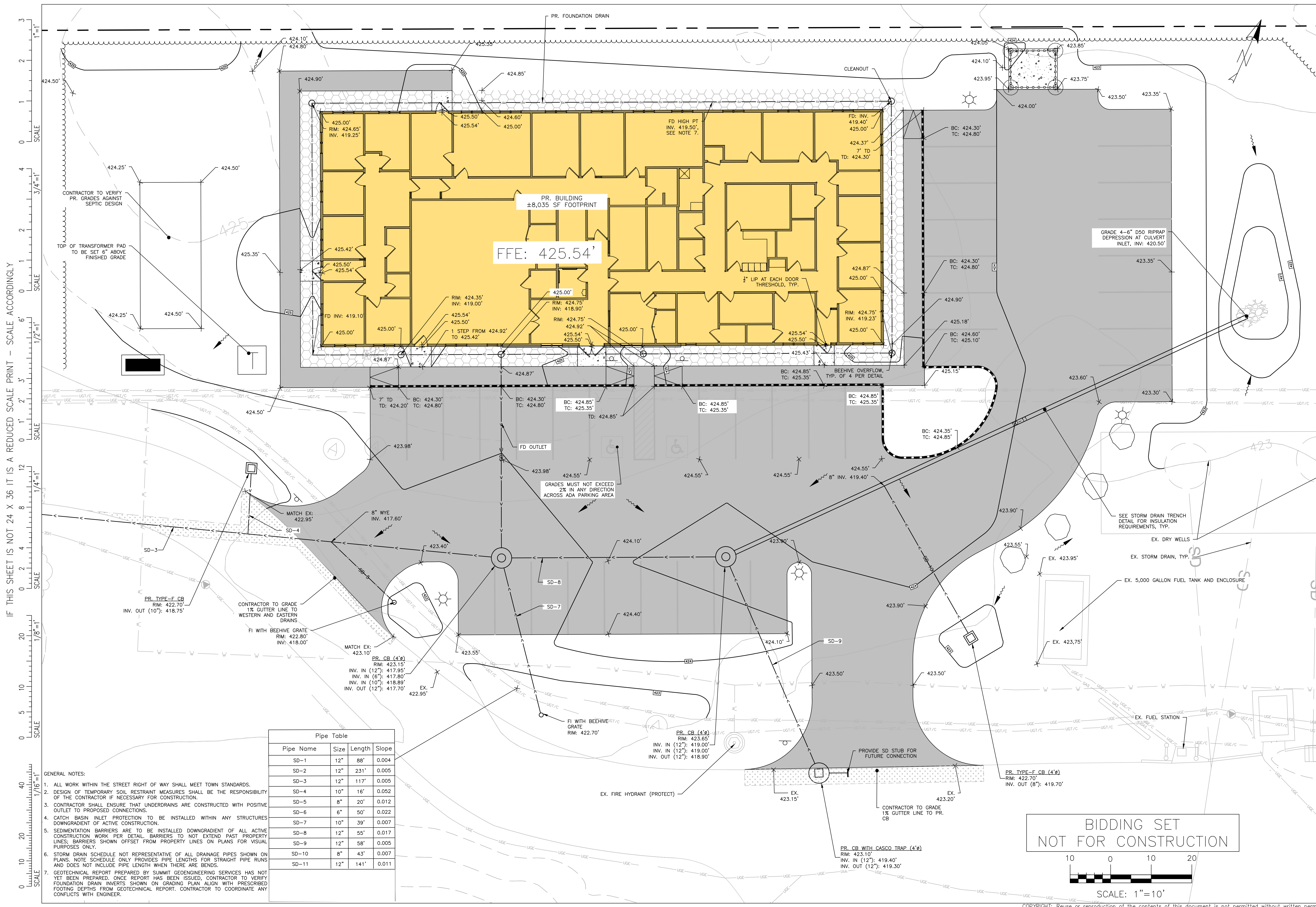
1	2/9/24	PRELIM REVIEW
2	2/19/24	TEAM REVIEW
3	2/22/24	SITE REVIEW APP
4	4/12/24	BIDDING

Date Issued APRIL 12, 2024
Project Number 1221
Scale AS NOTED

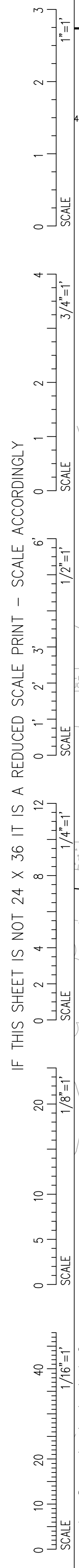
GRADING & DRAINAGE PLAN

Drawn By NPH
Checked By CAB

C-30



IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY



Pipe Name	Size	Length	Slope
SD-1	12"	88'	0.004
SD-2	12"	231'	0.005
SD-3	12"	117'	0.005
SD-4	10"	16'	0.052
SD-5	8"	20'	0.012
SD-6	6"	50'	0.022
SD-7	10"	39'	0.007
SD-8	12"	55'	0.017
SD-9	12"	58'	0.005
SD-10	8"	43'	0.007
SD-11	12"	141'	0.011

- GENERAL NOTES:
- ALL WORK WITHIN THE STREET RIGHT OF WAY SHALL MEET TOWN STANDARDS.
 - DESIGN OF TEMPORARY SOIL RESTRAINT MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR IF NECESSARY FOR CONSTRUCTION.
 - CONTRACTOR SHALL ENSURE THAT UNDERDRAINS ARE CONSTRUCTED WITH POSITIVE OUTLET TO PROPOSED CONNECTIONS.
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 - GEOLOGICAL REPORT PREPARED BY SUMMIT GEOENGINEERING SERVICES HAS NOT YET BEEN PREPARED. ONCE REPORT HAS BEEN ISSUED, CONTRACTOR TO VERIFY FOUNDATION DRAIN INVERTS SHOWN ON GRADING PLAN ALIGN WITH PRESCRIBED FOOTING DEPTHS FROM GEOLOGICAL REPORT. CONTRACTOR TO COORDINATE ANY CONFLICTS WITH ENGINEER.

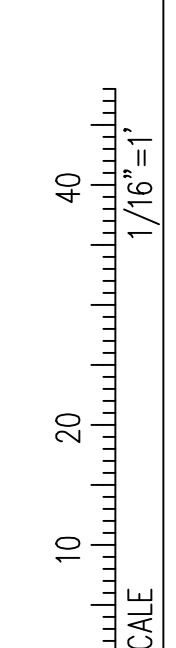
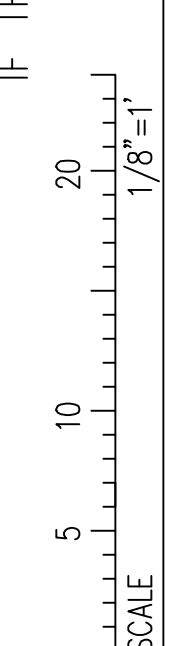
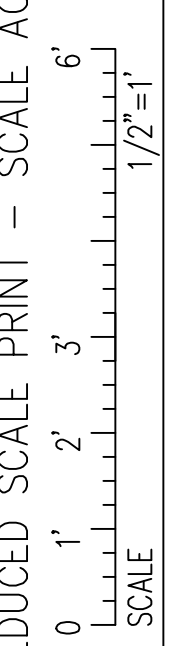
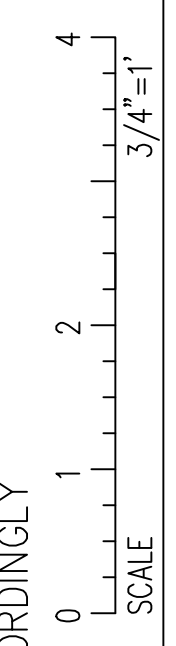
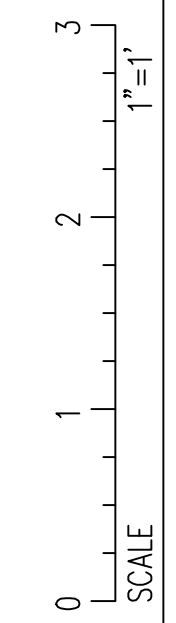
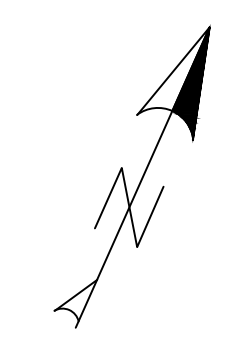
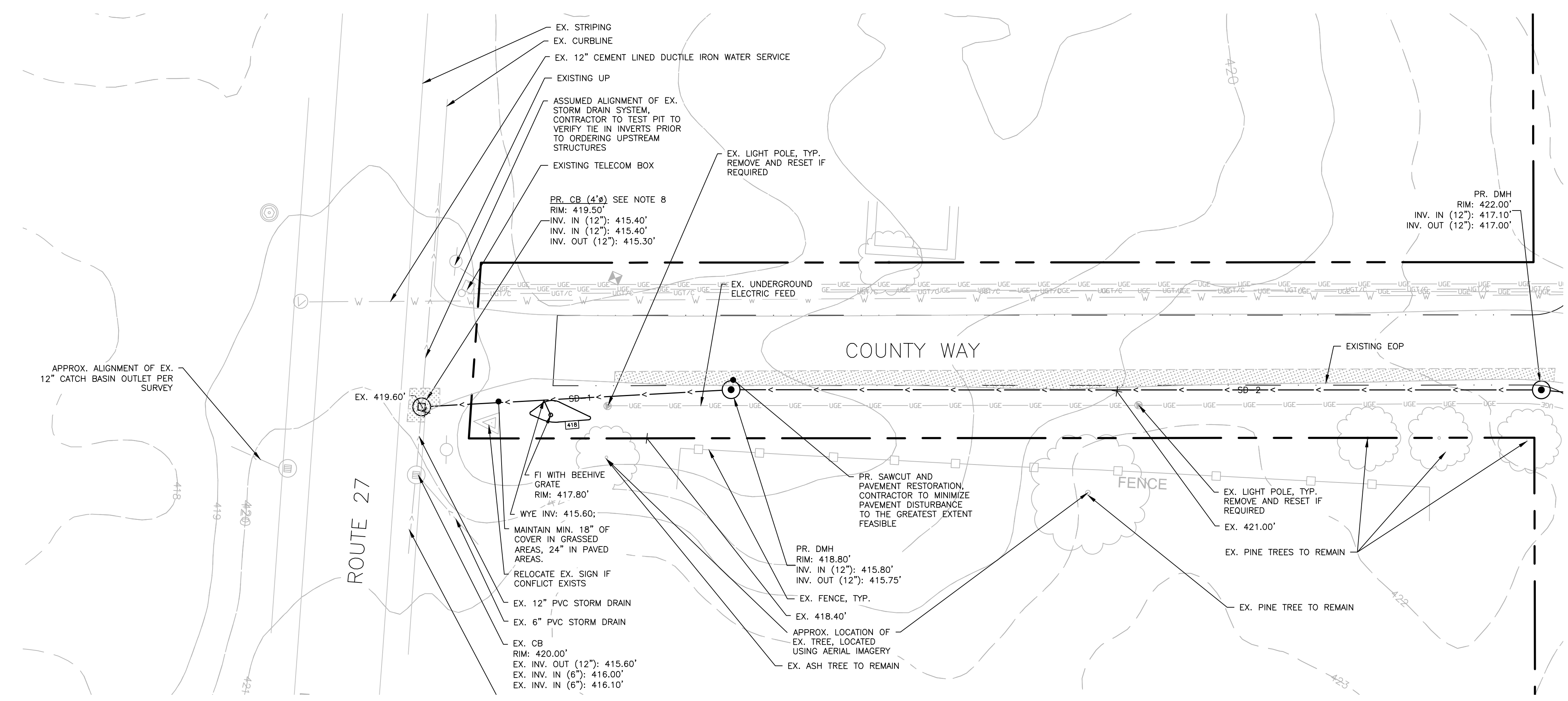
BIDDING SET
NOT FOR CONSTRUCTION

SCALE: 1"=10'

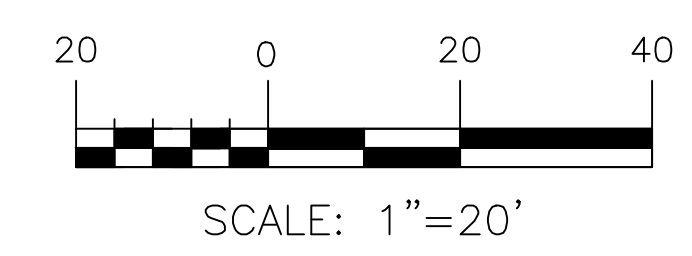
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 8. INSTALL CATCH BASIN DURING LOW-FLOW CONDITIONS, CONTRACTOR TO PROVIDE BYPASS PUMPING IF REQUIRED.

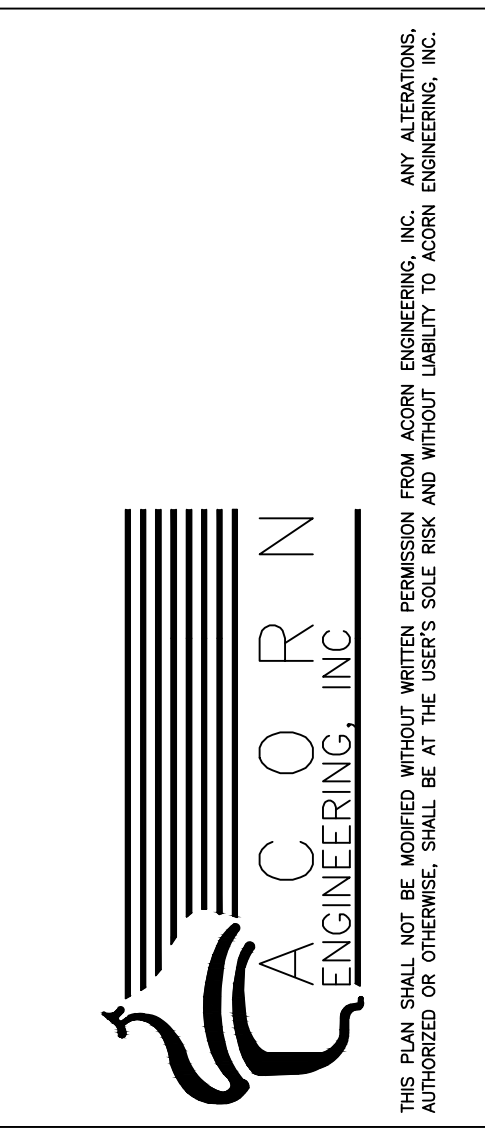
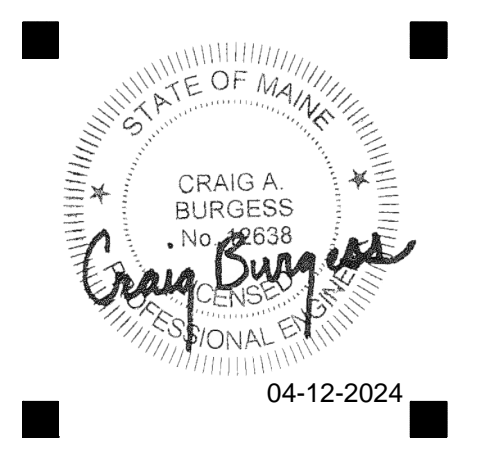
Pipe Table			
Pipe Name	Size	Length	Slope
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SD-11	12"	141'	0.011



BIDDING SET
NOT FOR CONSTRUCTION



65 NEWBURY STREET
PORTLAND, ME 04101
207.761.9000
fax: 207.761.2010



FRANKLIN COUNTY
FARMINGTON, MAINE

1	2/9/24	PRELIM REVIEW
2	2/19/24	TEAM REVIEW
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Scale AS NOTED

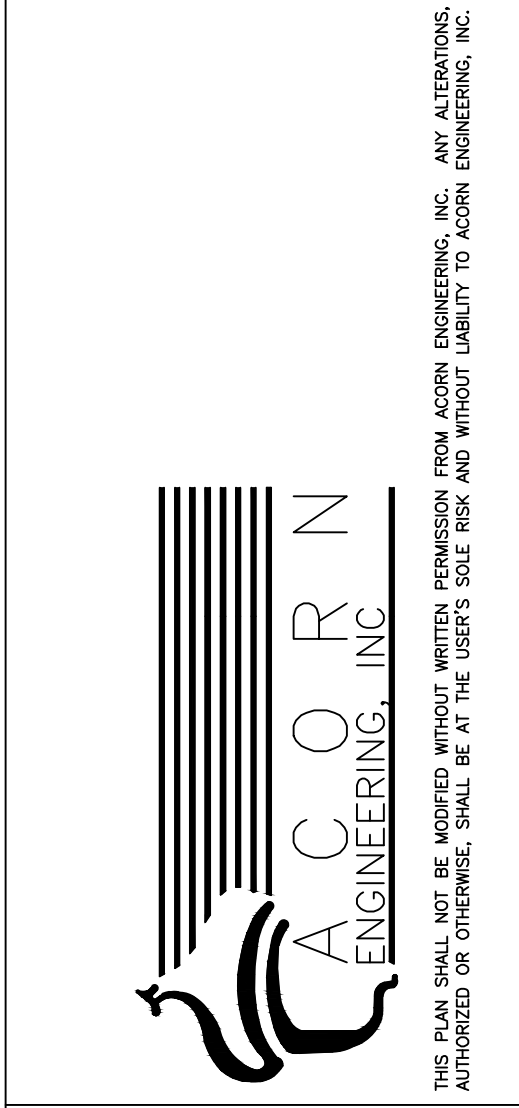
STORM DRAIN EXTENSION PLAN
Drawn By NPH
Checked By CAB

C-31

IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY



65 NEWBURY STREET
 PORTLAND, ME 04101
 207.761.9000
 fax: 207.761.2010



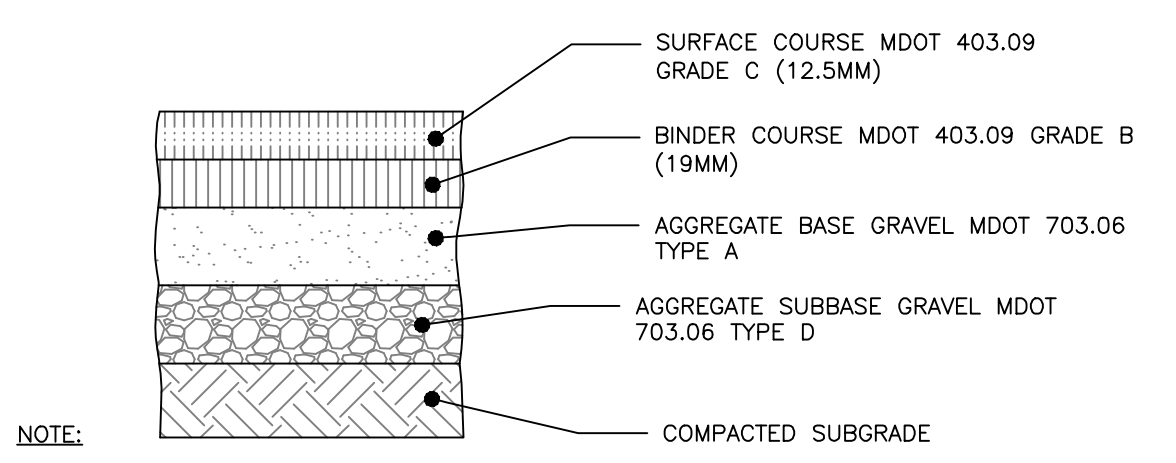
FRANKLIN COUNTY
 FARMINGTON, MAINE

NO.	DATE	DESCRIPTION
1	2/9/24	PRELIM REVIEW
2	2/19/24	TEAM REVIEW
3	2/22/24	SITE REVIEW APP
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Date Issued: APRIL 12, 2024
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SITE DETAILS
 Drawn By: NPH
 Checked By: CAB

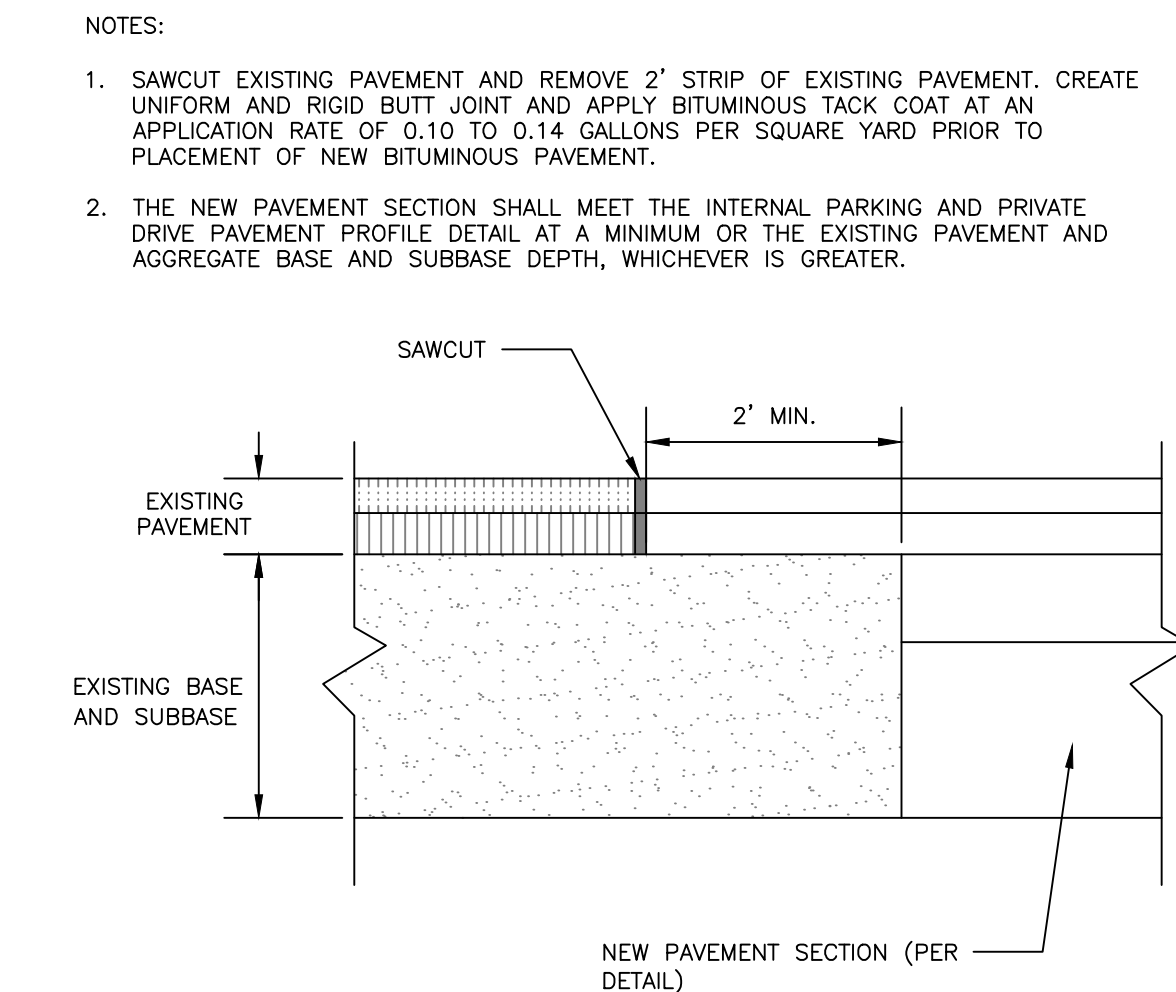
BIDDING SET
 NOT FOR CONSTRUCTION



NOTE:
 1. COMPACT AGGREGATES TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557

THICKNESS OF LAYERS	
STANDARD	LAYERS
1-1/2"	SURFACE COURSE MDOT 703.09 (12.5mm)
2"	BINDER COURSE MDOT 703.09 (19mm)
3"	AGGREGATE BASE GRAVEL MDOT 703.06 TYPE A
15"	AGGREGATE SUBBASE GRAVEL MDOT 703.06 TYPE D

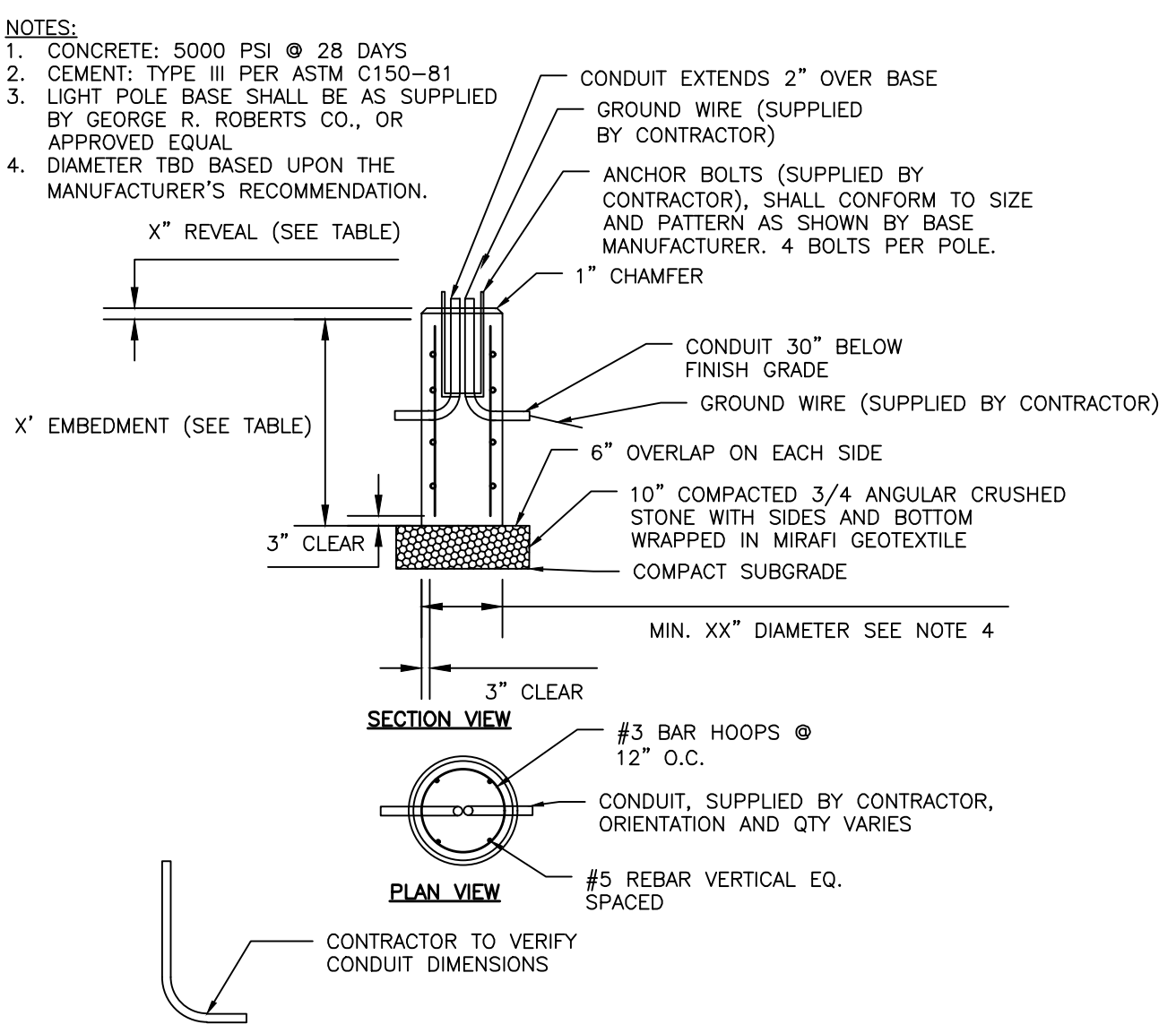
INTERNAL PARKING AND PRIVATE DRIVE PAVEMENT PROFILE
 NOT TO SCALE



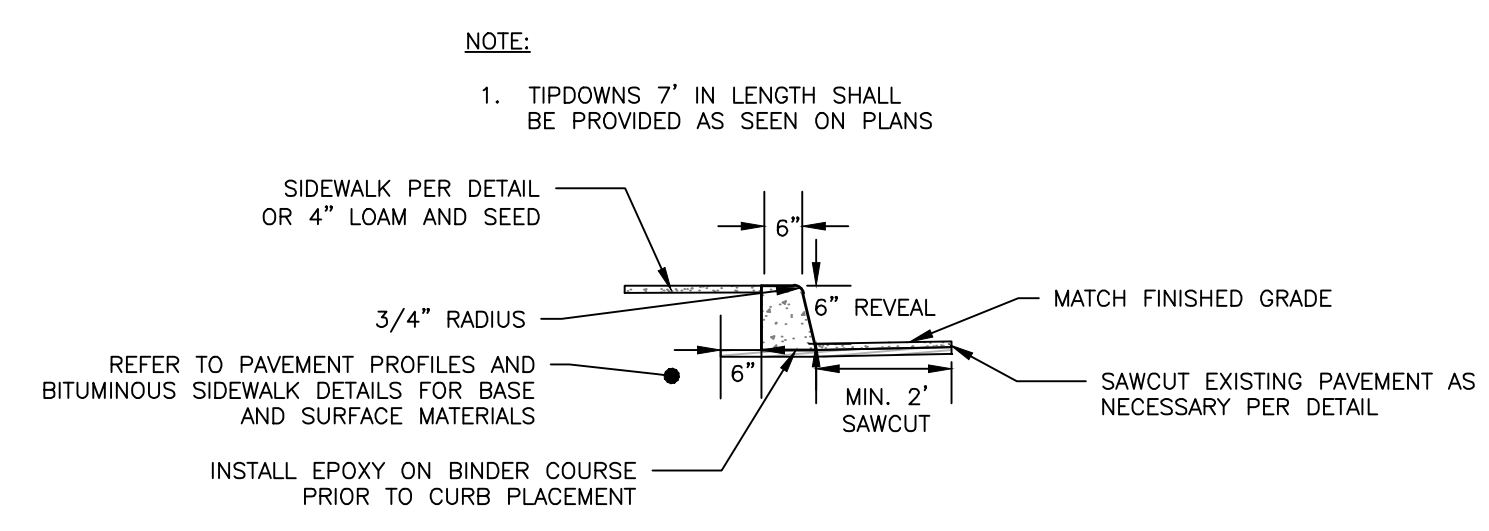
PAVEMENT SAWCUT DETAIL
 NOT TO SCALE

SCHEDULE		
HEIGHT OF POLE	MIN DIAMETER	MIN EMBEDMENT
<20'	1.5"	5'
20'-40'	2'	6'
>40'	3'	8'

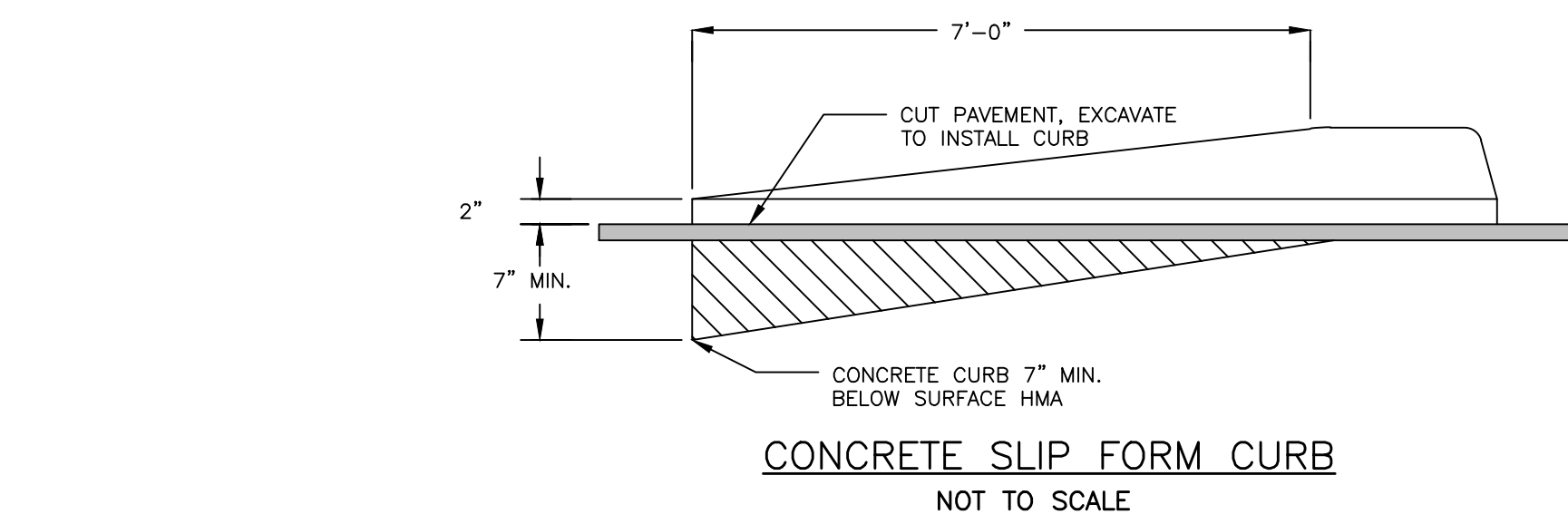
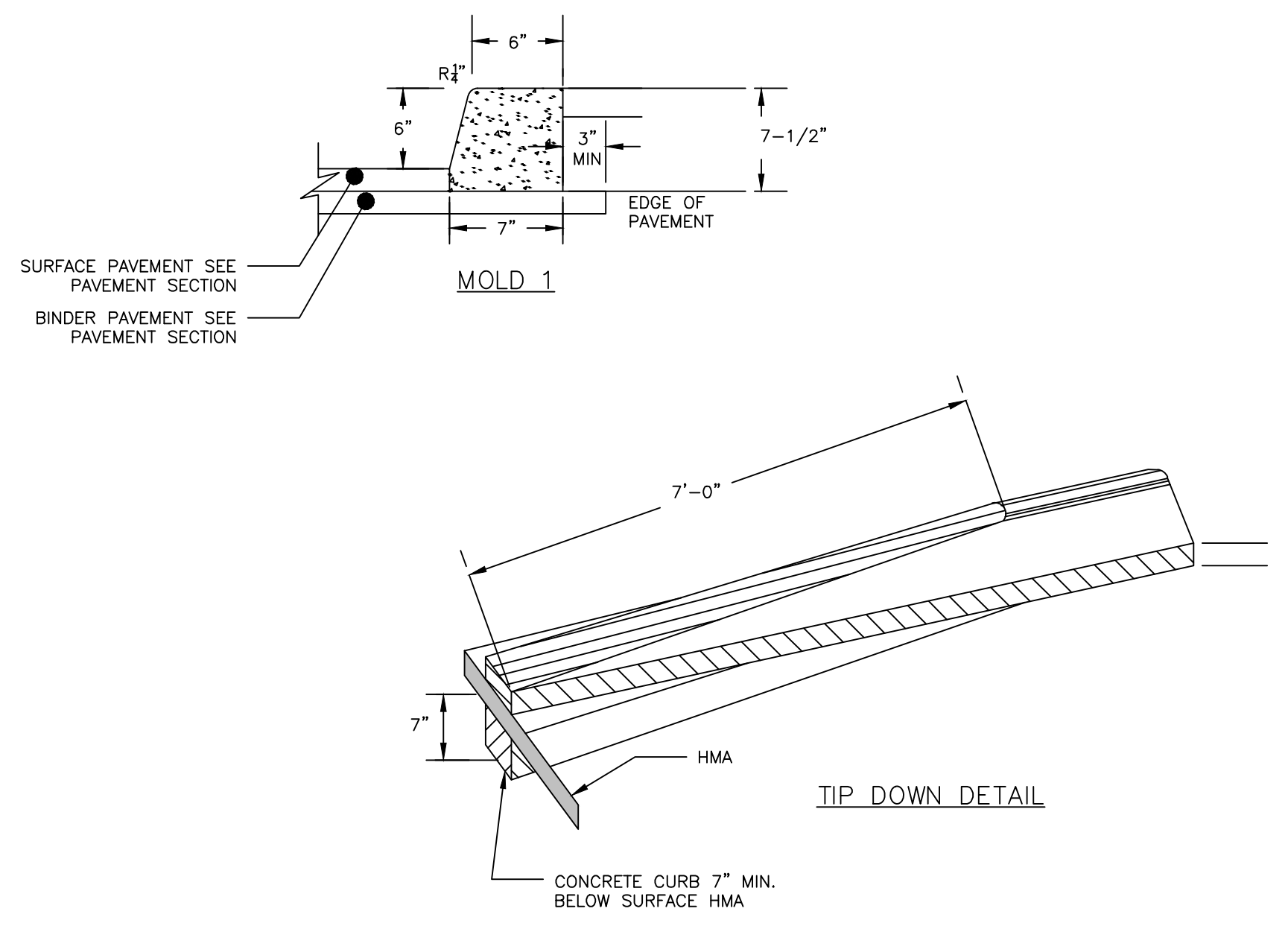
REVEALS	
APPLICATIONS	REVEAL
STREET/SIDEWALK	4"
OTHER PED HARDSCAPE	FLUSH
PEDESTRIAN LAWN/MULCH	4"
PARKING AREAS AND AREAS WITHIN 3' OF PAVEMENT	24-36"



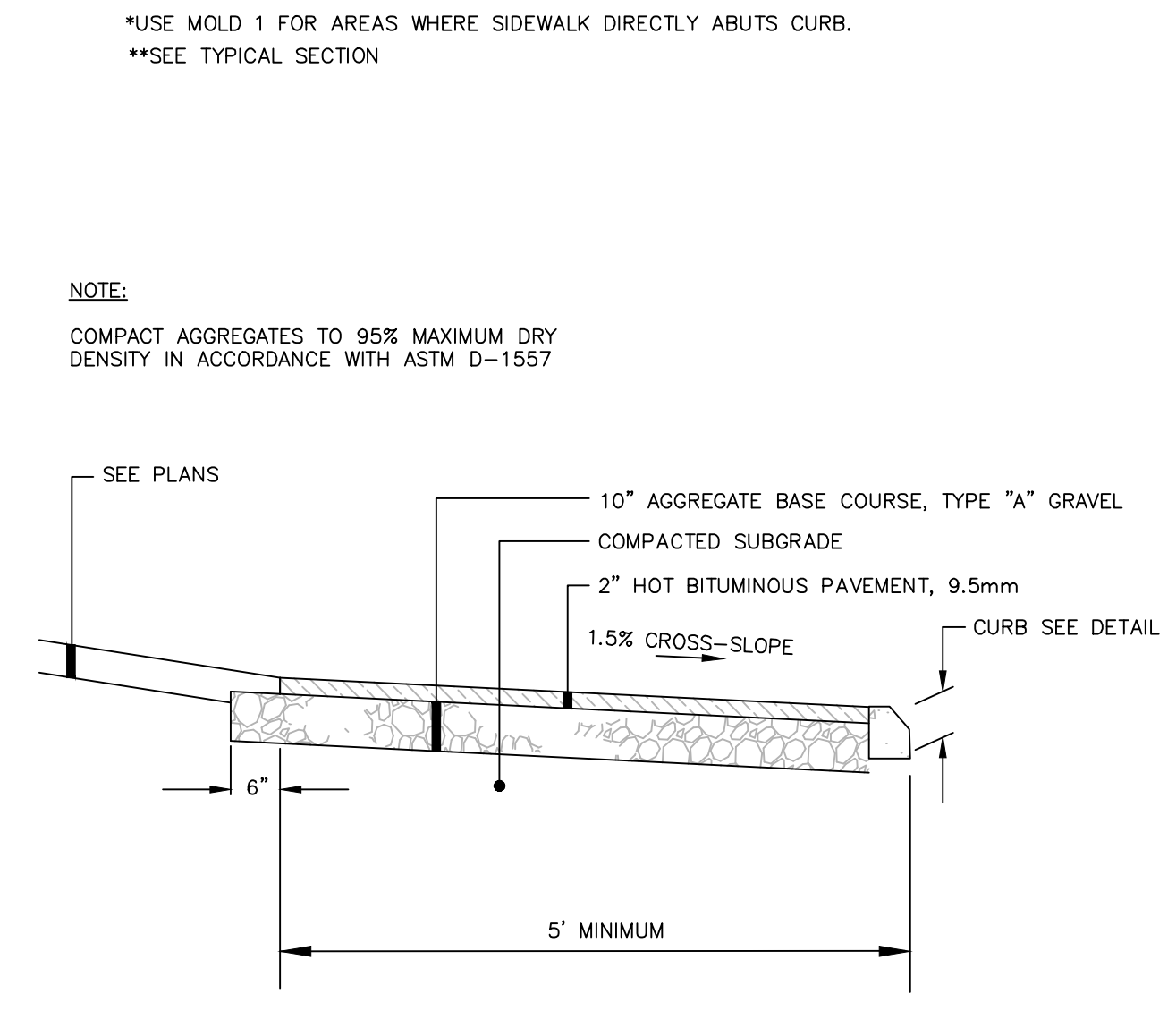
LIGHT POLE BASE
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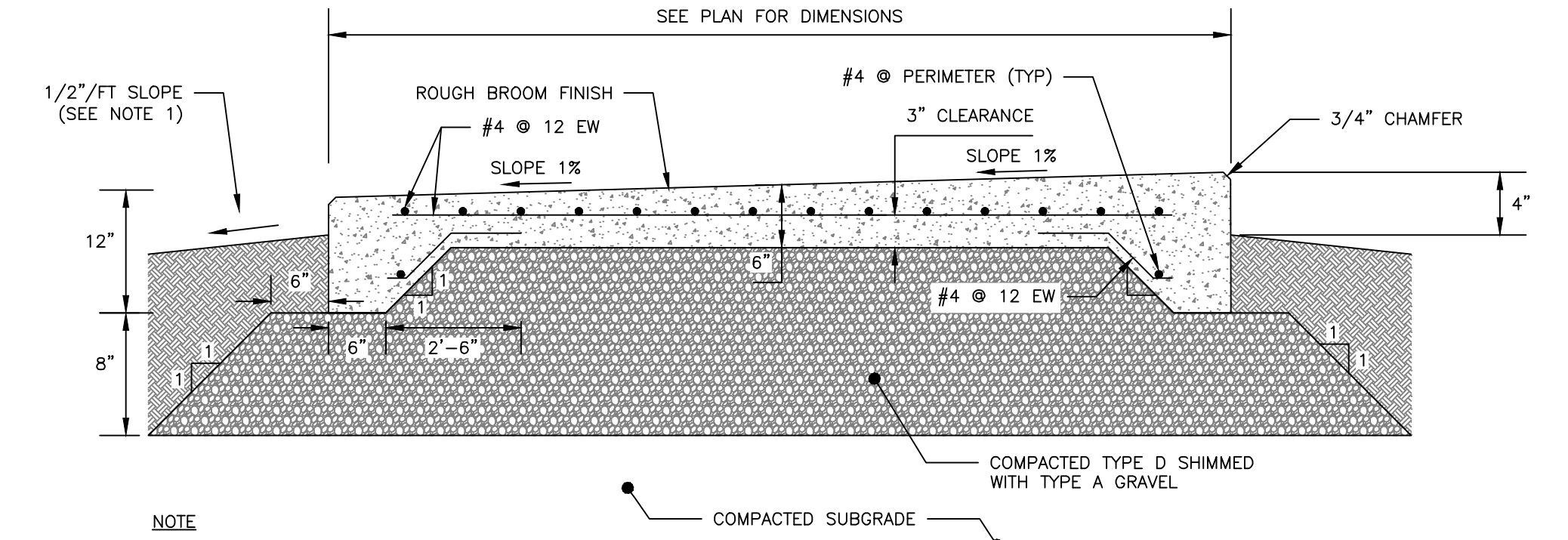
SLIPFORM CONCRETE CURB DETAIL
 NOT TO SCALE



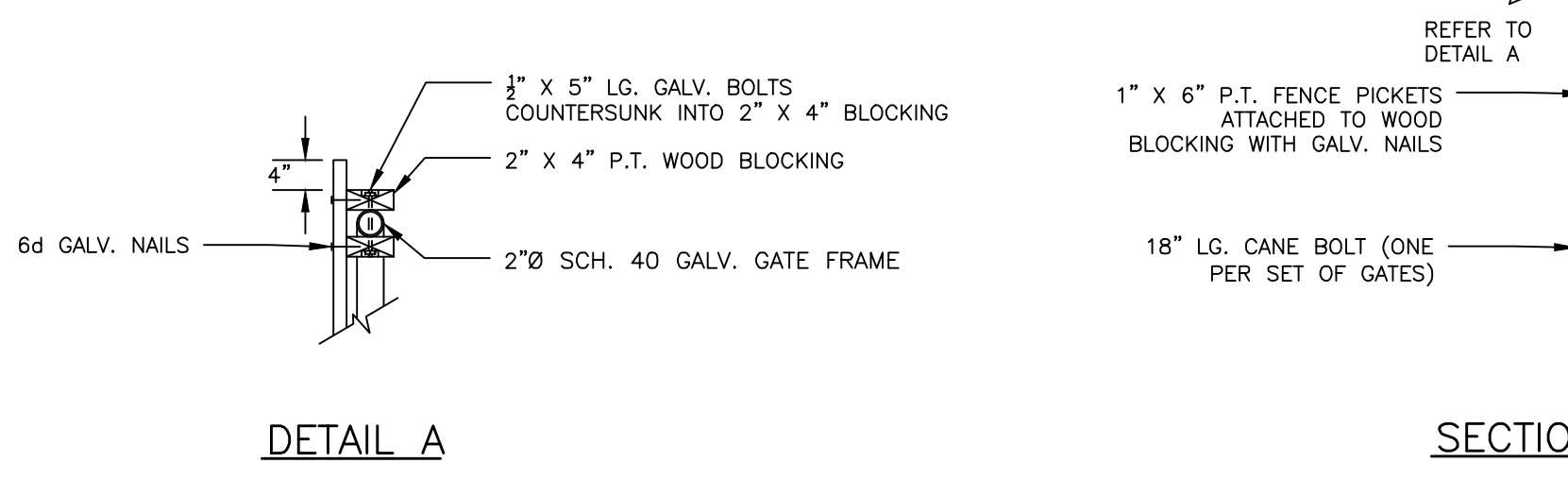
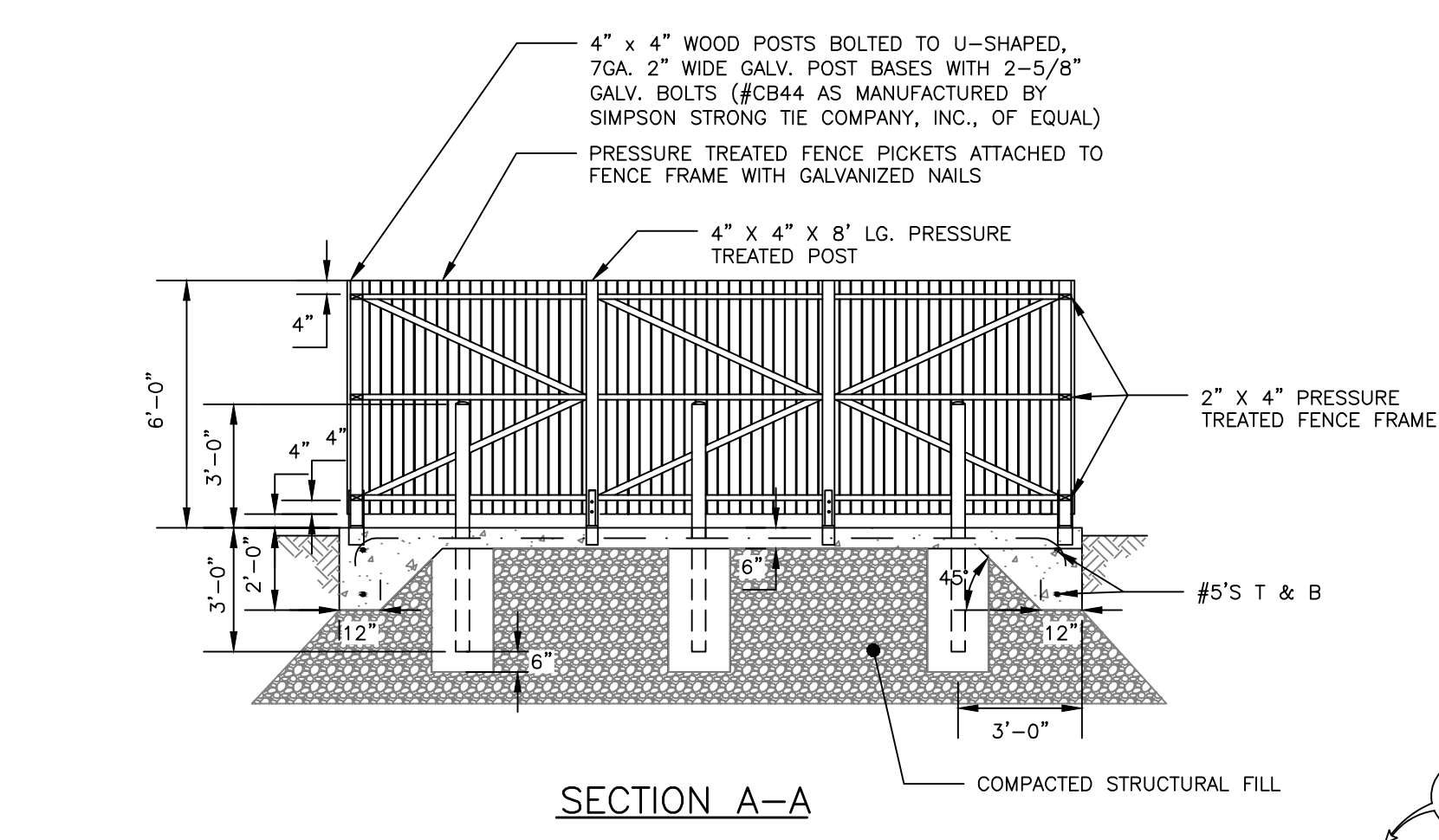
CONCRETE SLIP FORM CURB
 NOT TO SCALE



BITUMINOUS SIDEWALK
 NOT TO SCALE

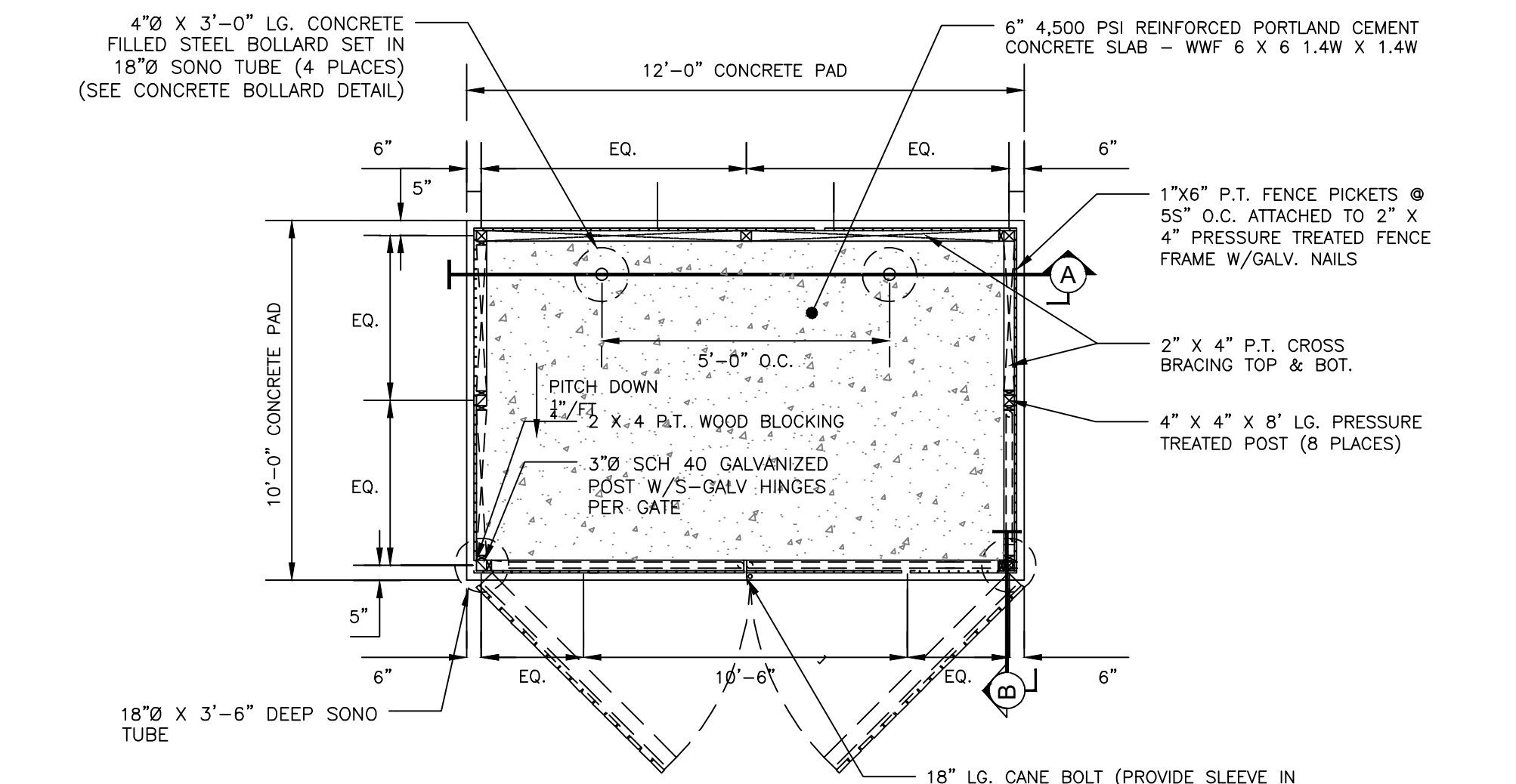


DUMPSTER PAD DETAIL
 NOT TO SCALE



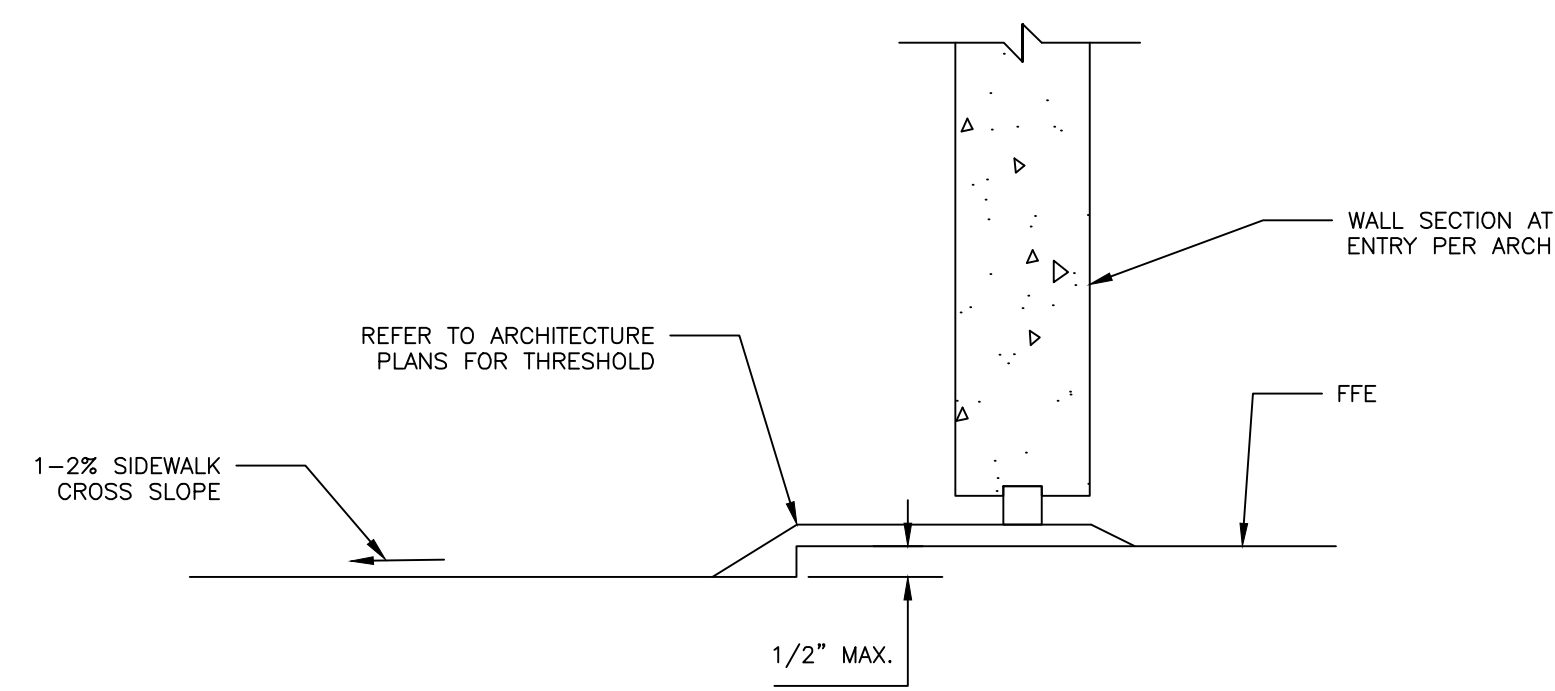
DETAIL A

CONC. PAD DIMENSIONS	DUMPSTER COUNT				
	TOTES	2-YD	4-YD	6-YD	8-YD
4' X 3'	1	0	0	0	0
8' X 5'	4	1	1	0	0
8' X 7'	4	1	1	1	0
8' X 8'	8	2	2	1	1
10' X 12'	12	3	3	2	1
10' X 14'	16	4	4	2	2
10' X 16'	16	4	4	2	2

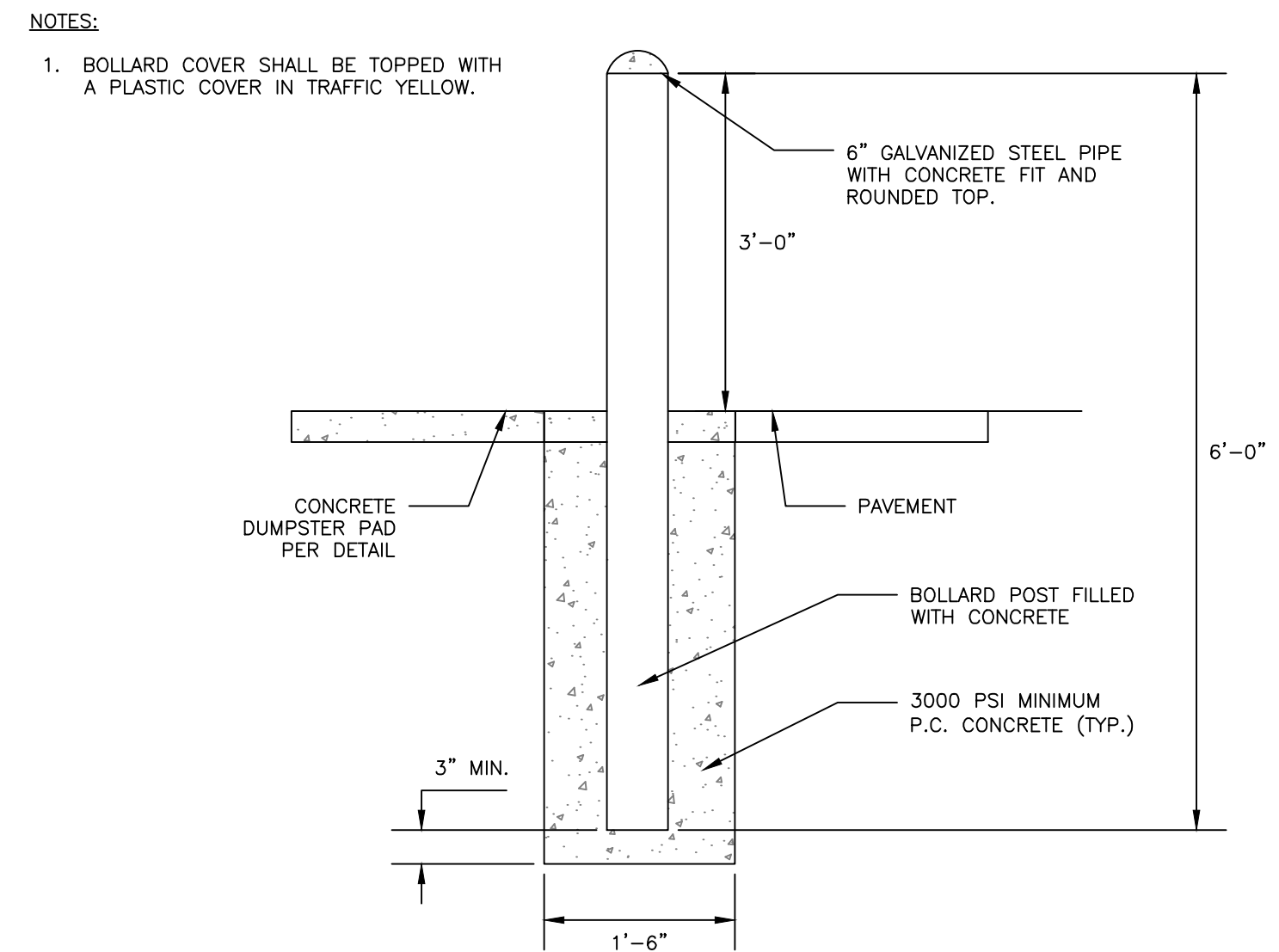


DUMPSTER ENCLOSURE PLAN AND DETAILS
 NOT TO SCALE

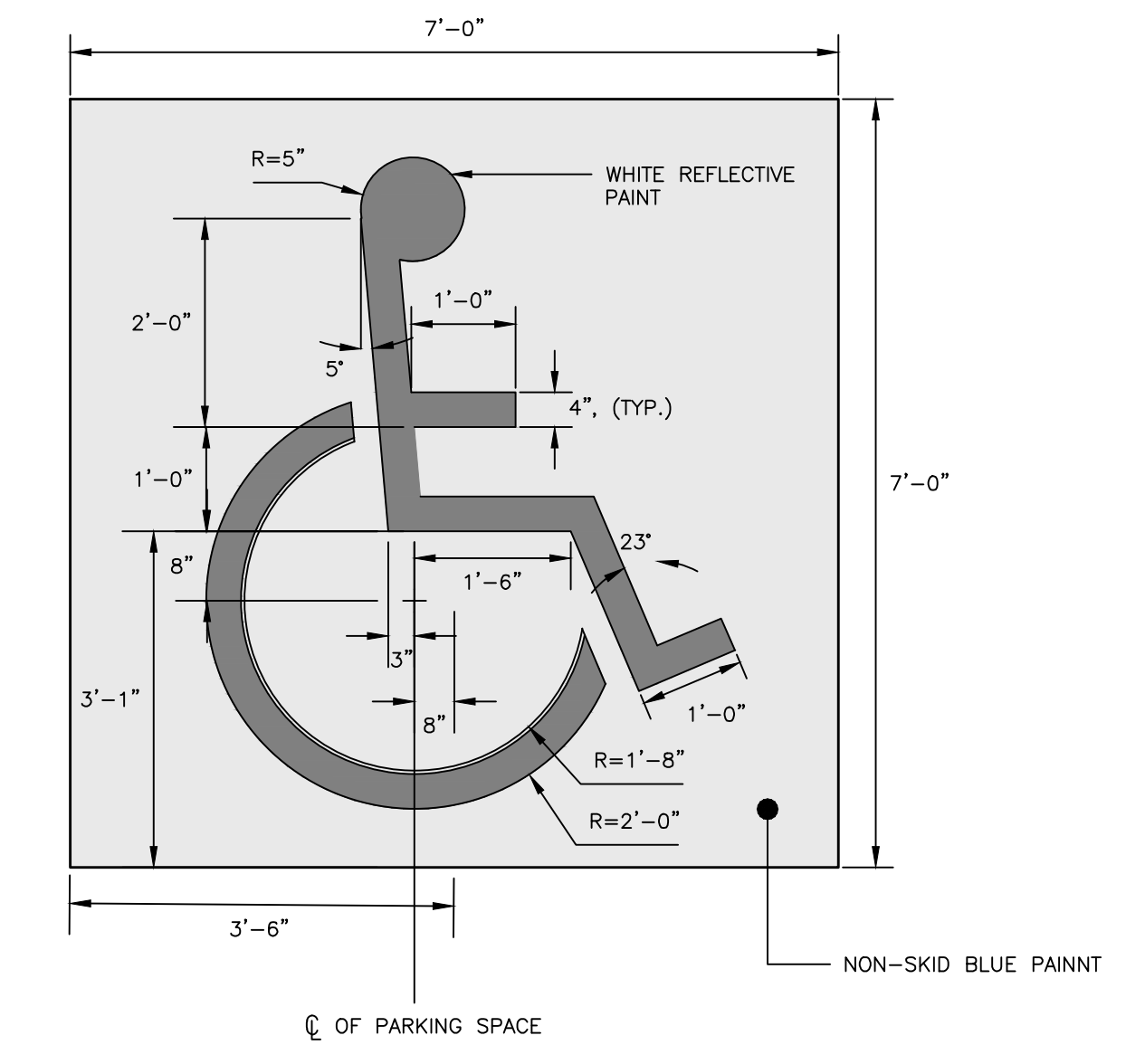
IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY



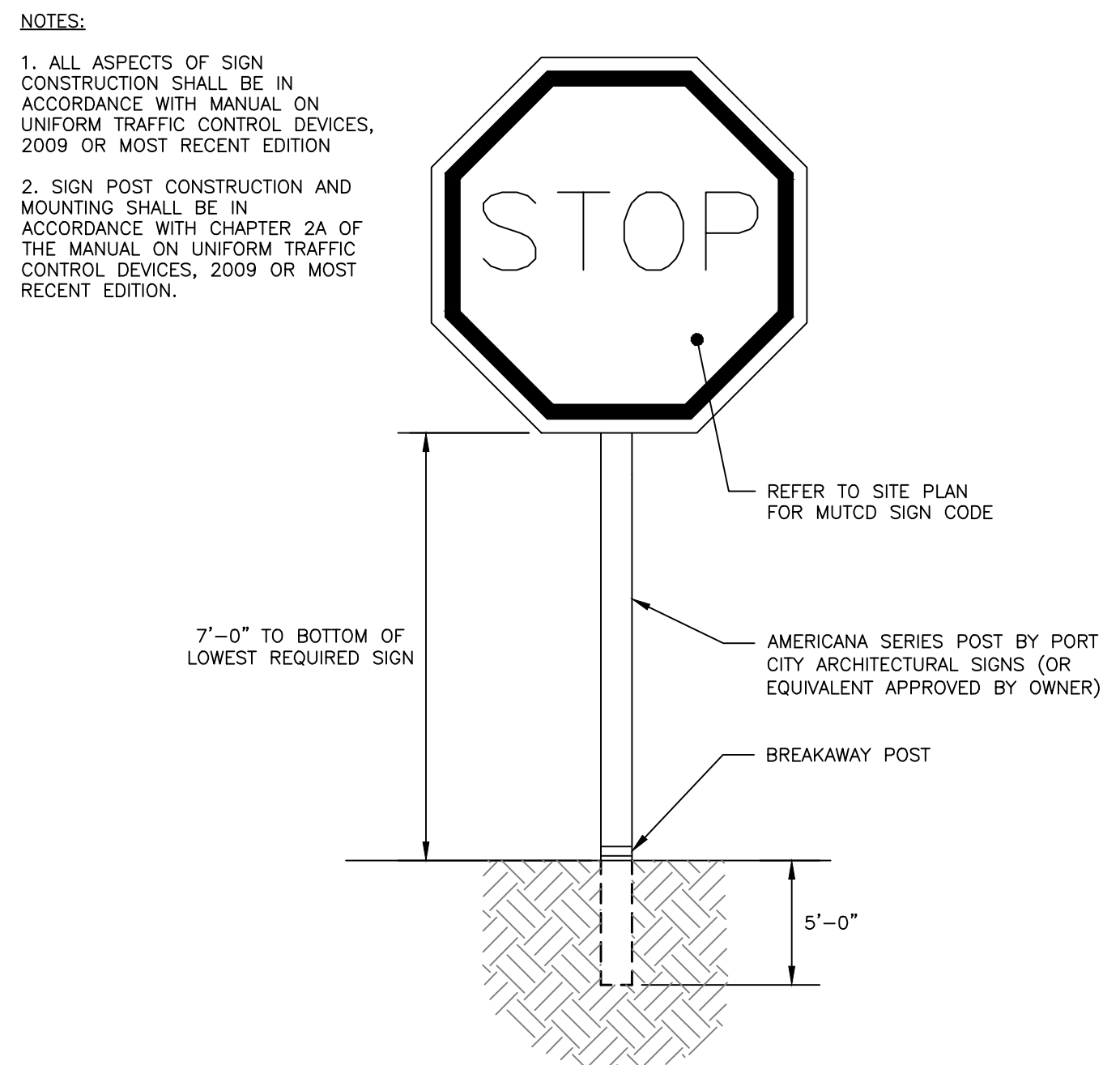
THRESHOLD DETAIL
NOT TO SCALE



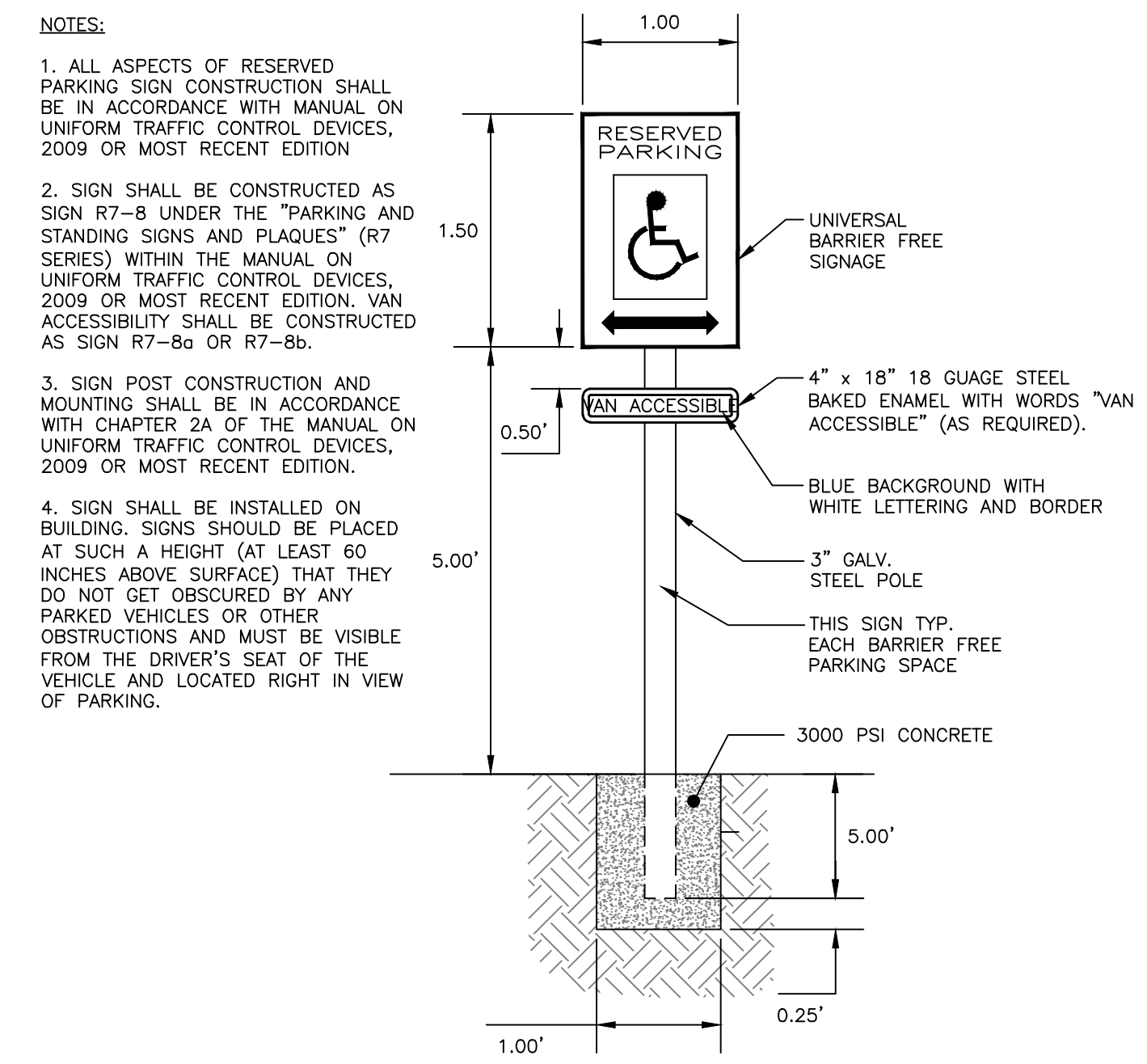
PIPE BOLLARD
NOT TO SCALE



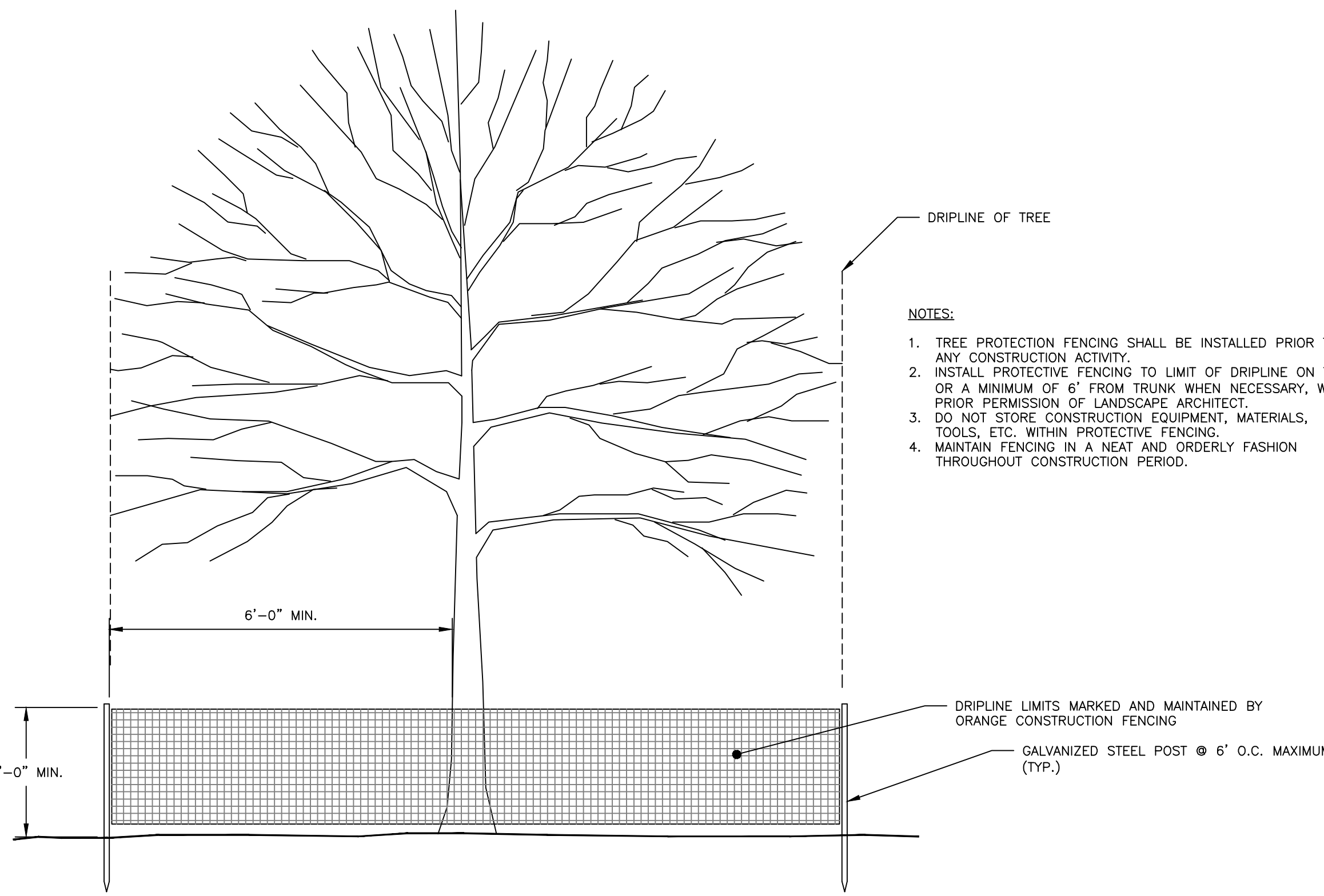
INTERNATIONAL BARRIER FREE SYMBOL
NOT TO SCALE



TYPICAL SIGN DETAIL
NOT TO SCALE



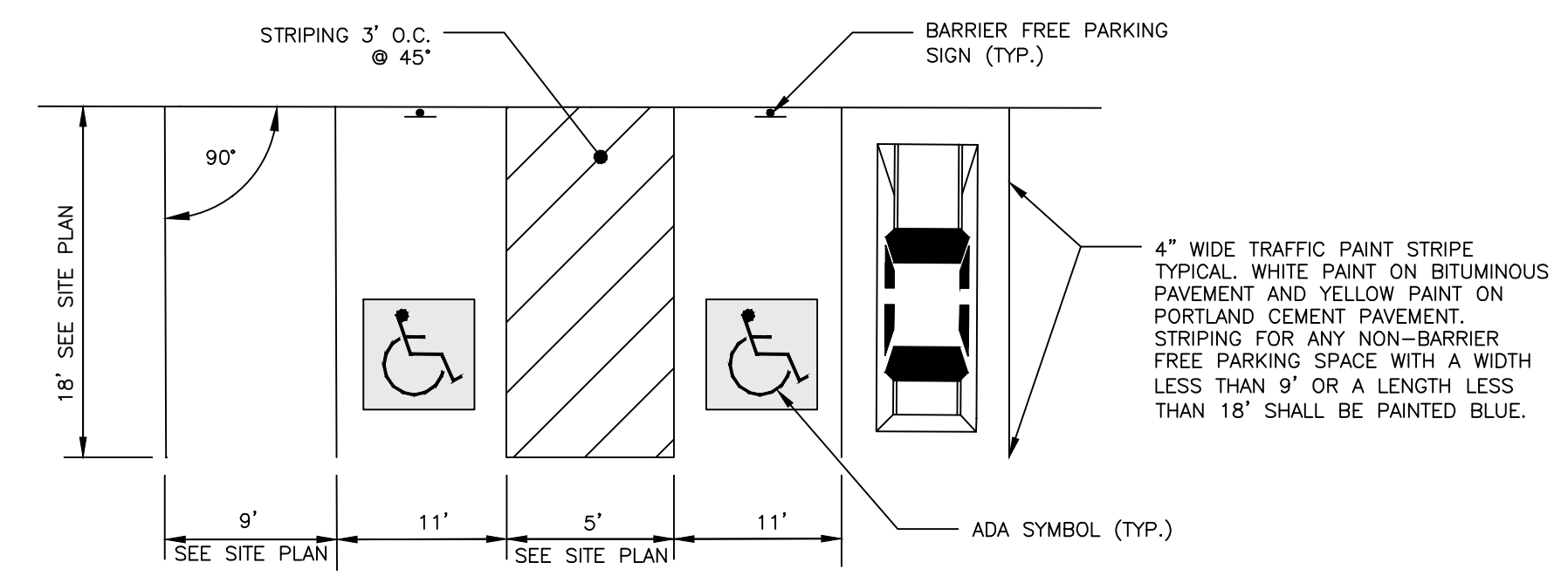
BARRIER FREE PARKING SIGN
NOT TO SCALE



TREE PROTECTION DETAIL
NOT TO SCALE

- NOTES:**
1. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY.
 2. INSTALL PROTECTIVE FENCING TO LIMIT OF DRIPLINE ON TREE OR A MINIMUM OF 6' FROM TRUNK WHEN NECESSARY, WITH PRIOR PERMISSION OF LANDSCAPE ARCHITECT.
 3. DO NOT STORE CONSTRUCTION EQUIPMENT, MATERIALS, TOOLS, ETC. WITHIN PROTECTIVE FENCING.
 4. MAINTAIN FENCING IN A NEAT AND ORDERLY FASHION THROUGHOUT CONSTRUCTION PERIOD.

- NOTES:**
1. ALL ASPECTS OF RESERVED PARKING SIGN CONSTRUCTION SHALL BE IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 OR MOST RECENT EDITION.
 2. SIGN SHALL BE CONSTRUCTED AS SIGN R7-8 UNDER THE "PARKING AND STANDING SIGNS AND PLAQUES" (R7 SERIES) WITHIN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 OR MOST RECENT EDITION. VAN ACCESSIBILITY SHALL BE CONSTRUCTED AS SIGN R7-8a OR R7-8b.
 3. SIGN POST CONSTRUCTION AND MOUNTING SHALL BE IN ACCORDANCE WITH CHAPTER 2A OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 OR MOST RECENT EDITION.
 4. SIGN SHALL BE INSTALLED ON BUILDING. SIGNS SHOULD BE PLACED AT SUCH A HEIGHT (AT LEAST 60 INCHES ABOVE SURFACE) THAT THEY DO NOT GET OBSCURED BY ANY PARKED VEHICLES OR OTHER OBSTRUCTIONS AND MUST BE VISIBLE FROM THE DRIVER'S SEAT OF THE VEHICLE AND LOCATED RIGHT IN VIEW OF PARKING.

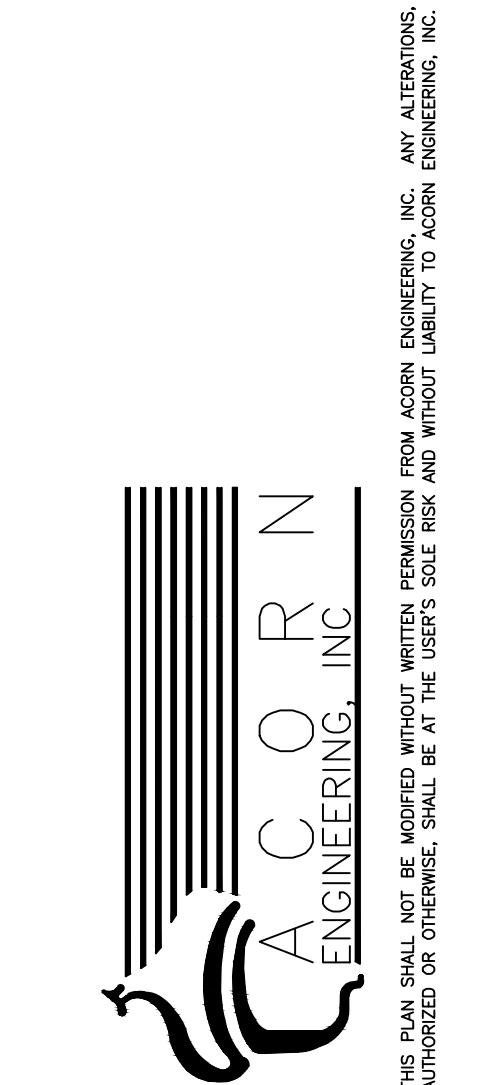
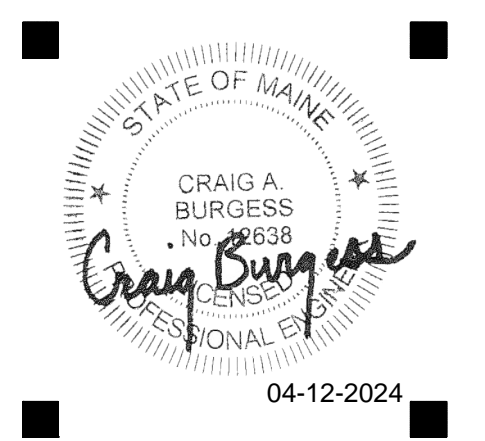


PARKING SPACE DIMENSIONS
NOT TO SCALE

BIDDING SET
NOT FOR CONSTRUCTION



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FRANKLIN COUNTY
FARMINGTON, MAINE

NO.	DATE	DESCRIPTION
1	2/9/24	PRELIM REVIEW
2	2/19/24	TEAM REVIEW
3	2/22/24	SITE REVIEW APP
4	4/12/24	BIDDING

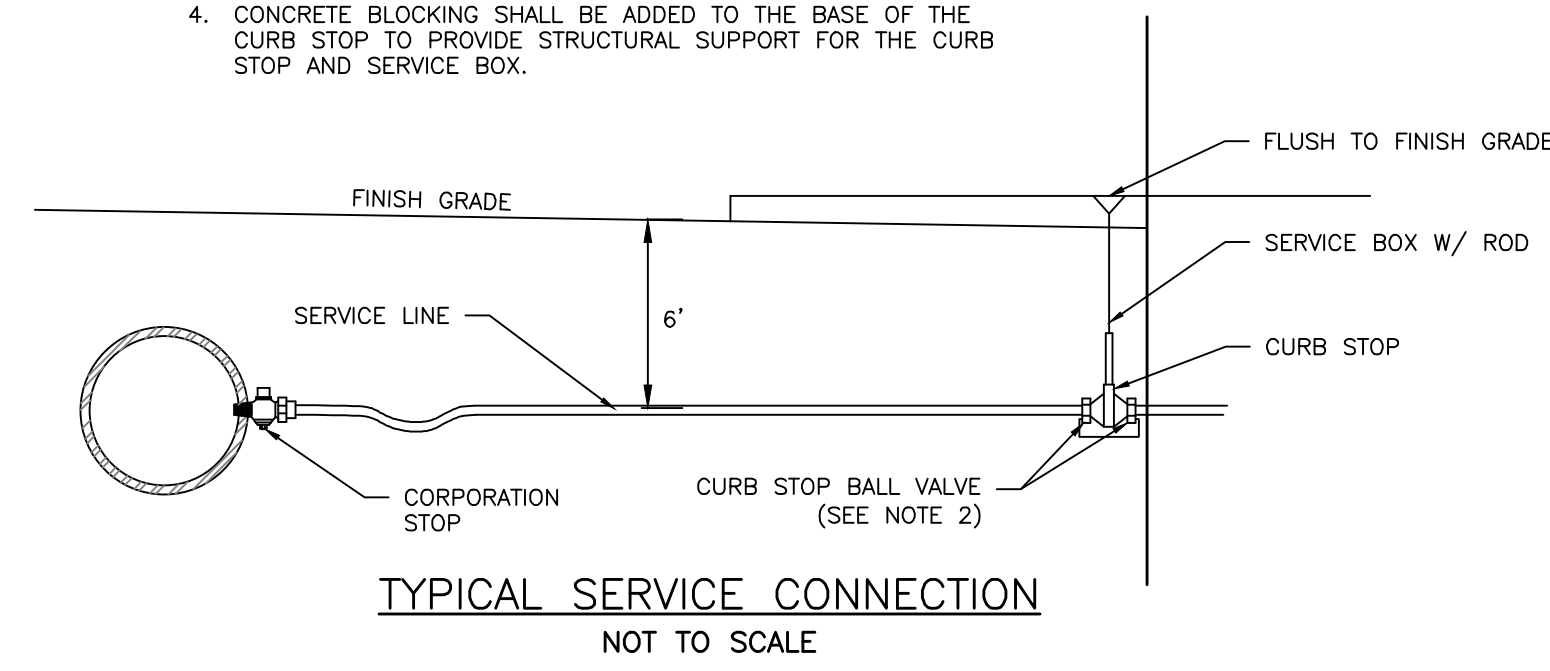
Date Issued: APRIL 12, 2024
Project Number: 1221
Scale: AS NOTED

SITE DETAILS - 2

Drawn By: NPH
Checked By: CAB
C-41

NOTES:

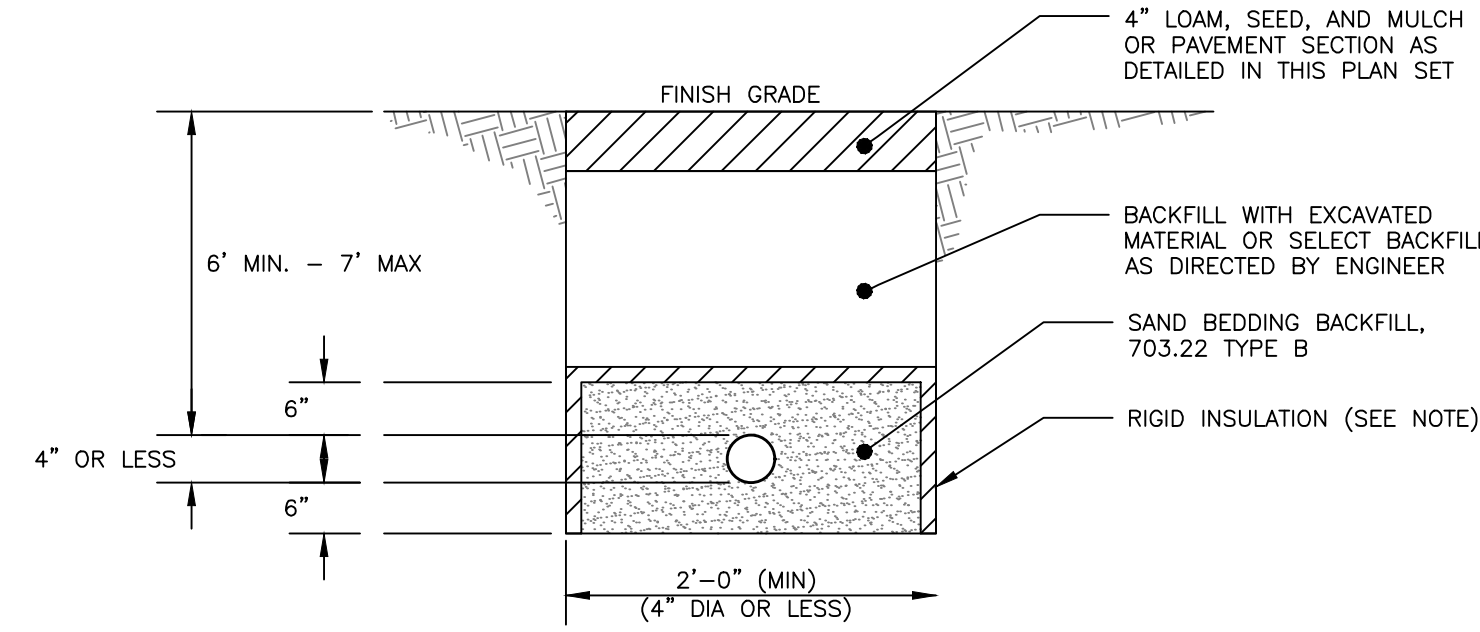
1. ALL MATERIALS AND INSTALLATION PROCEDURES MUST COMPLY WITH THE FARMINGTON WATER DISTRICT SPECIFICATIONS.
2. CURB STOP BALL VALVE TO BE MADE OF COPPER OR BRASS UNLESS OTHERWISE NOTED BY THE PORTLAND WATER DISTRICT.
3. SERVICE LINE TO BE MADE OF TYPE K COPPER.
4. CONCRETE BLOCKING SHALL BE ADDED TO THE BASE OF THE CURB STOP TO PROVIDE STRUCTURAL SUPPORT FOR THE CURB STOP AND SERVICE BOX.



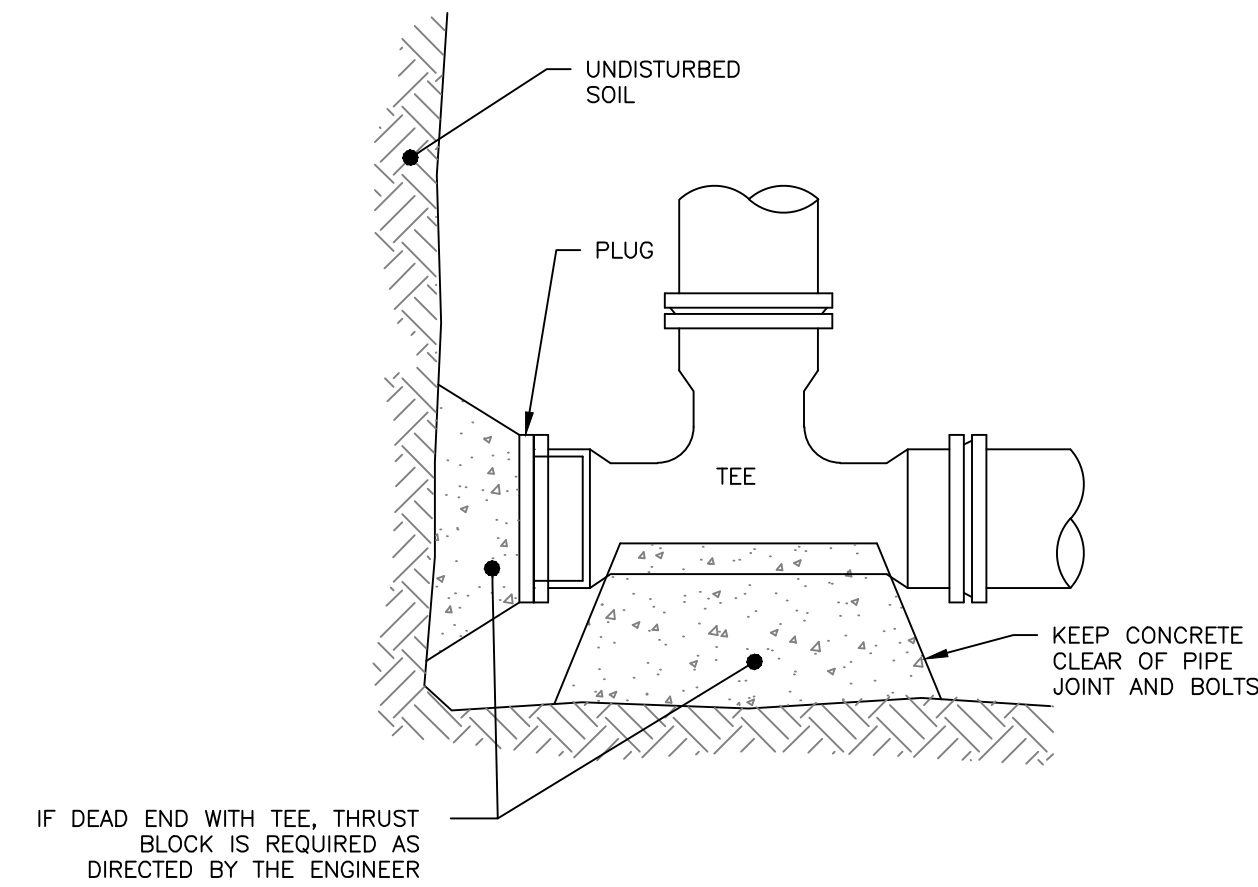
TYPICAL SERVICE CONNECTION
NOT TO SCALE

NOTES:

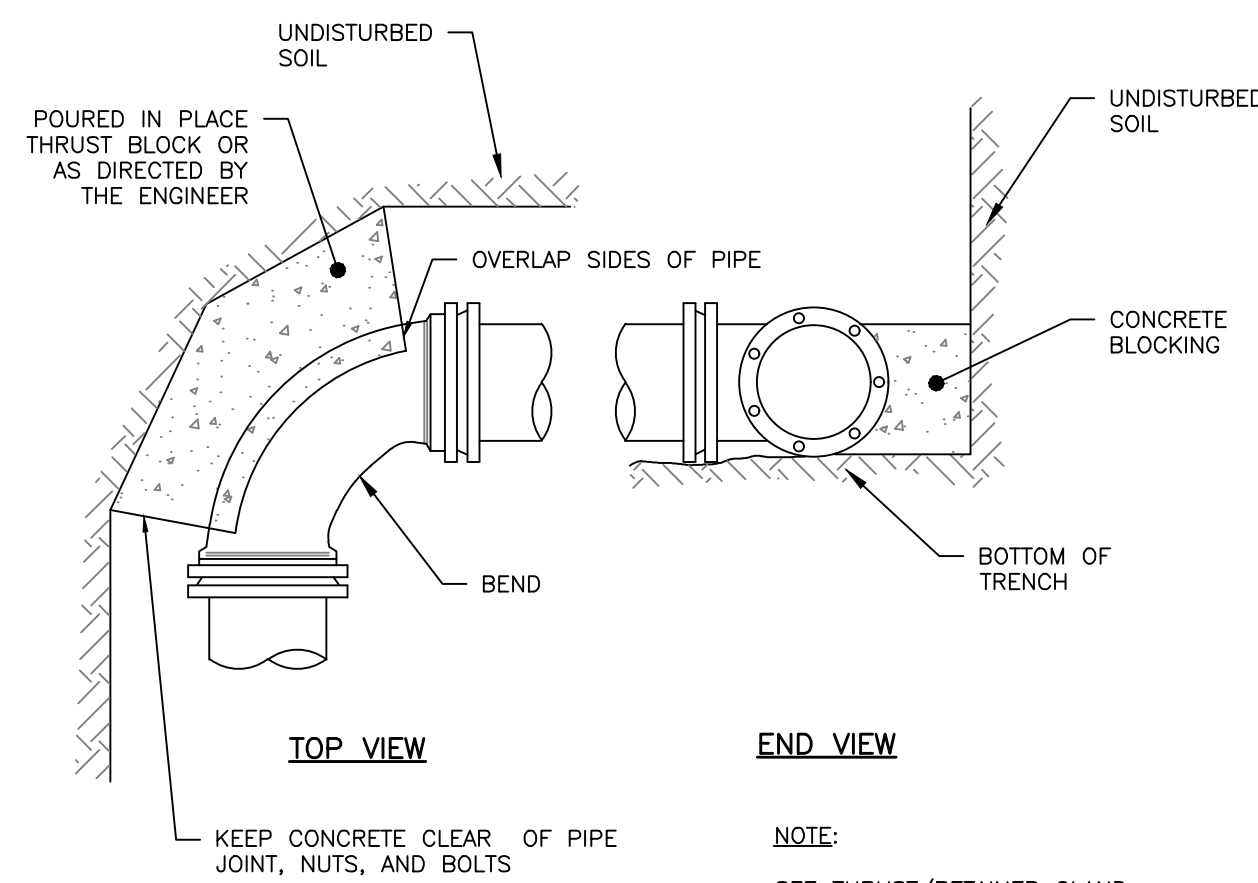
1. THE WATER TRENCH SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FARMINGTON WATER DEPARTMENT STANDARDS.
2. IF 6" OF COVER IS NOT POSSIBLE, ADD TWO LAYERS OF 2-INCH "BLUE DOW" RIGID INSULATION.



WATER SERVICE TRENCH SECTION DETAIL
NOT TO SCALE



END SECTION



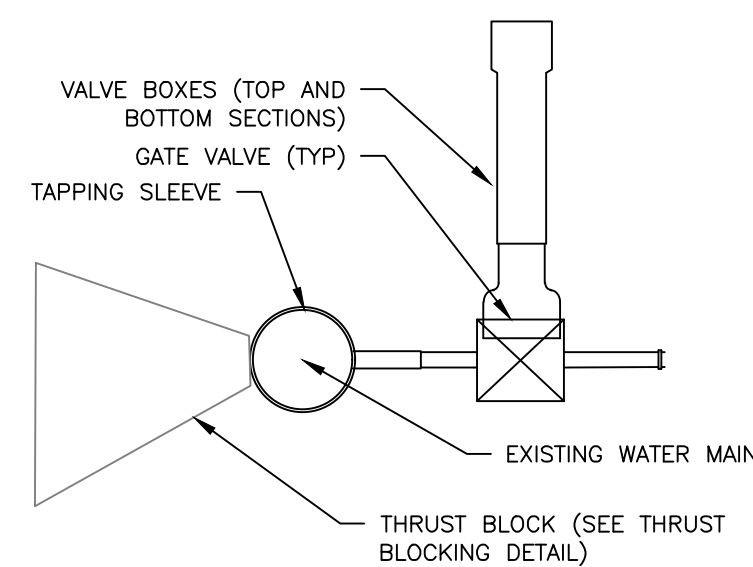
TOP VIEW

END VIEW

REGULAR BEND

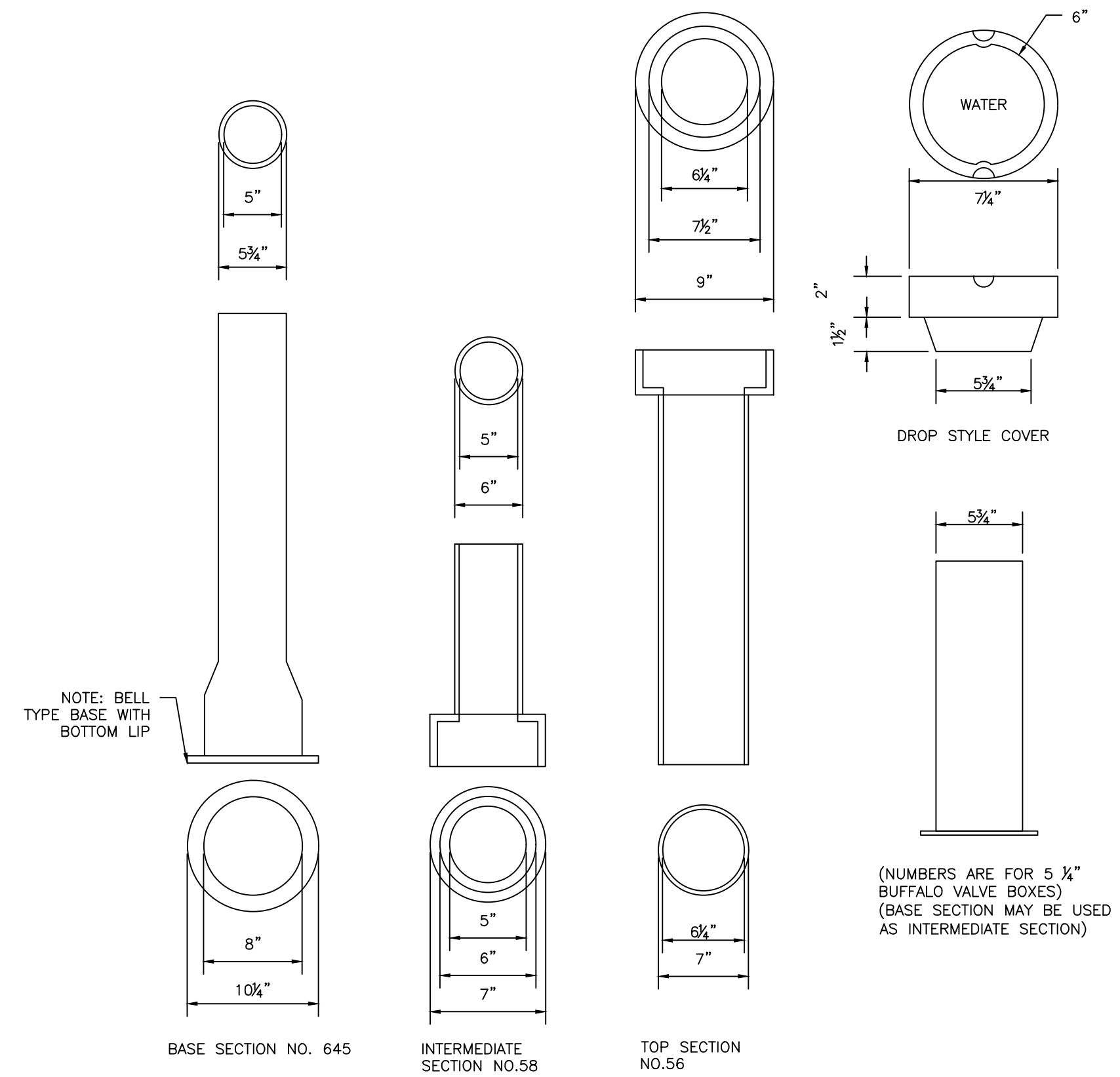
THRUST BLOCKING
NOT TO SCALE

NOTE:
SEE THRUST/RETAINER GLAND SCHEDULE FOR TYPE OF BLOCKING TO BE USED ON BENDS



SIDE VIEW

TAPPING SLEEVE AND VALVE
NOT TO SCALE



VALVE BOX & COVER
NOT TO SCALE

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4	4/12/24	BIDDING

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Scale	AS NOTED

UTILITY DETAILS - 1

Drawn By	NPH
Checked By	CAB

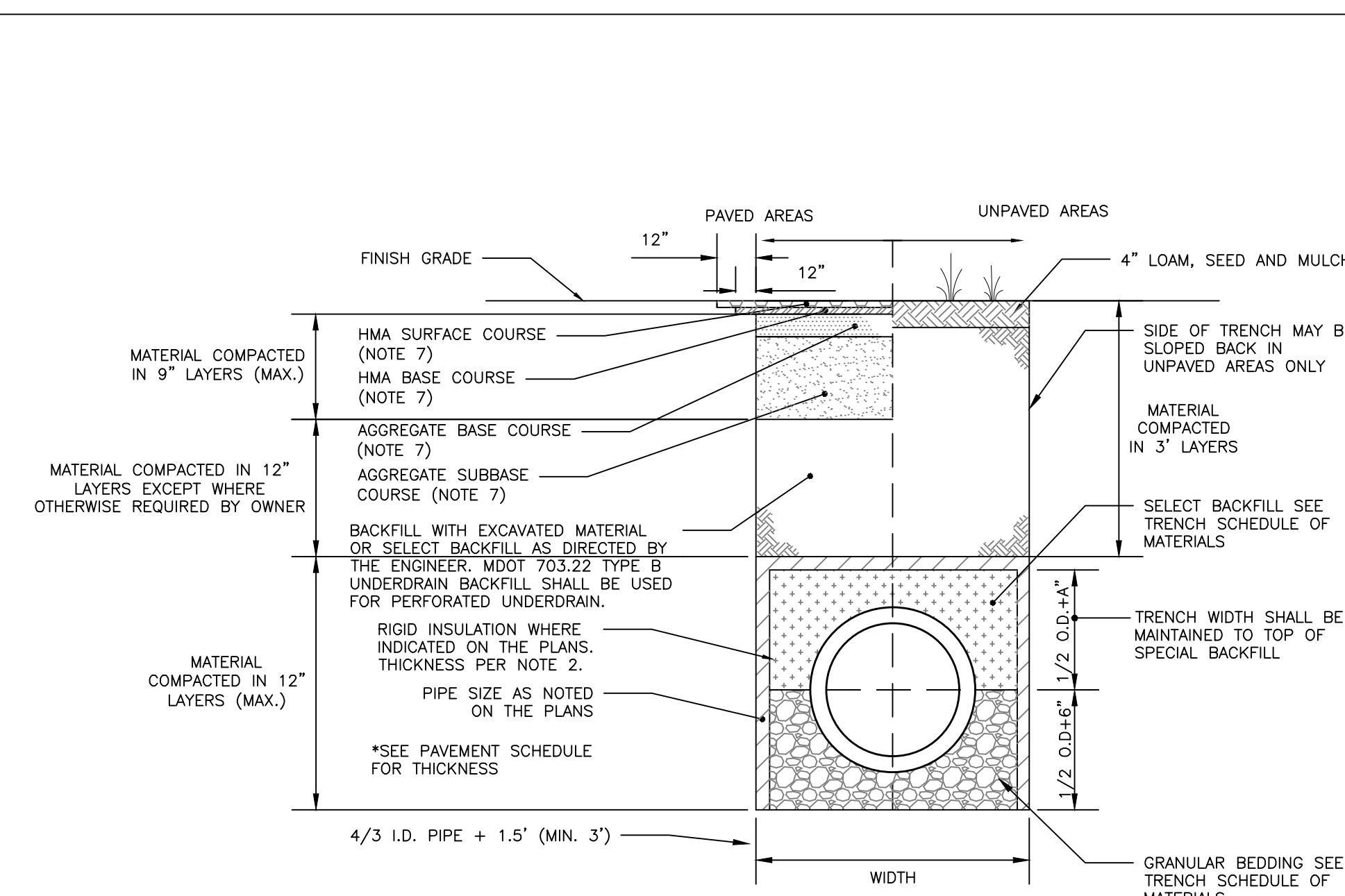
BIDDING SET
NOT FOR CONSTRUCTION

C-42

IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY

SCALE 1"=1'
SCALE 3/4"=1'
SCALE 1/2"=1'
SCALE 1/4"=1'
SCALE 1/8"=1'
SCALE 1/16"=1'

IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY

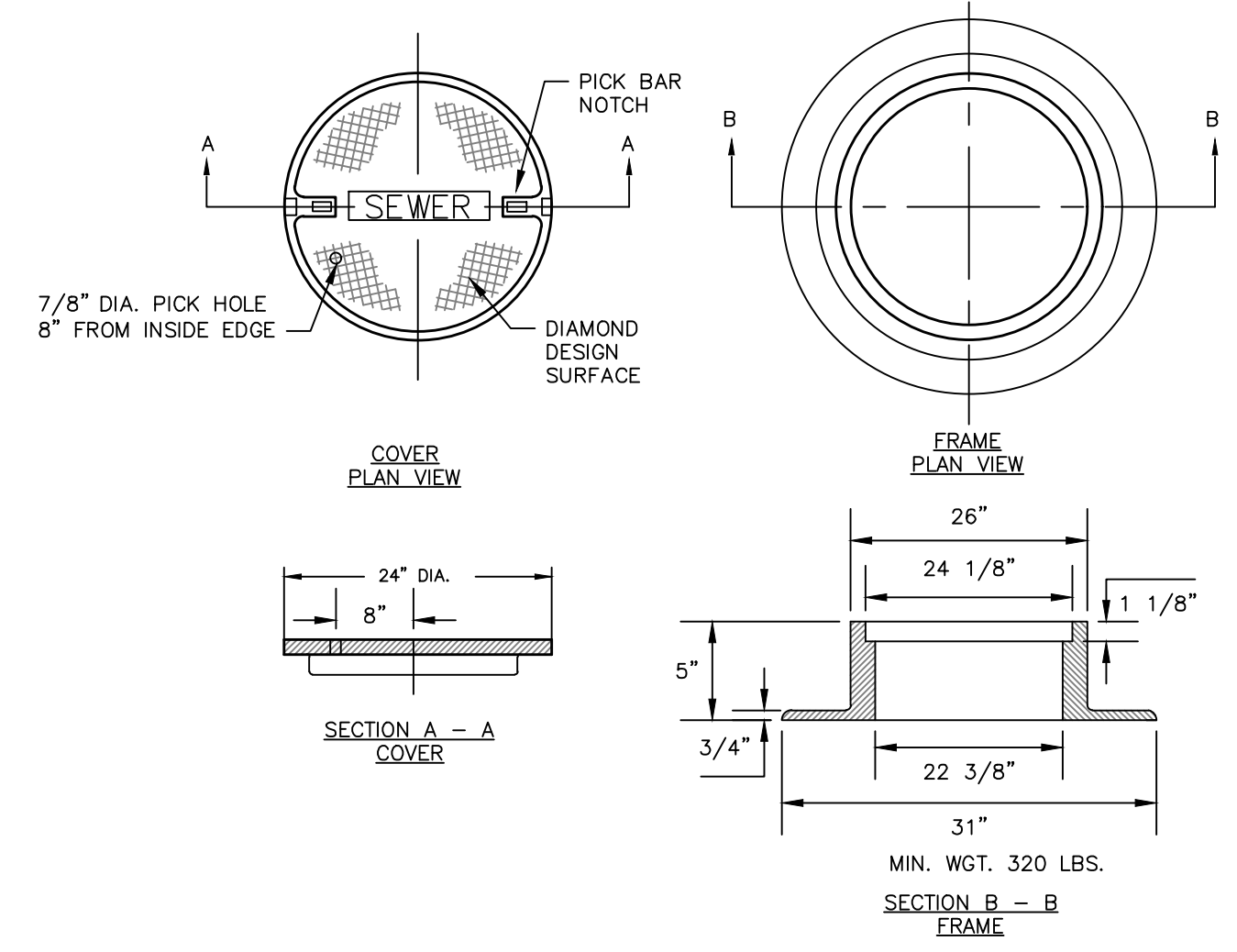


SCHEDULE OF MATERIALS		
TYPE OF PIPE	GRANULAR BEDDING	SELECT BACKFILL
CMP DUCTILE IRON RCP	MDOT 703.22 TYPE B UD BACKFILL	MDOT 703.22 TYPE B UD BACKFILL
PVC/HDPE	MDOT 703.22 TYPE C 3/4" CRUSHED STONE	MDOT 703.22 TYPE B UD BACKFILL

- NOTES:**
- BRACING AND SHEETING OR OTHER TRENCH PROTECTION TO BE PROVIDED TO MEET APPLICABLE STATE AND O.S.H.A. SAFETY STANDARDS. ALL SUCH TRENCH PROTECTION TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - STORM DRAIN COVER BETWEEN 2' AND 3' SHALL INCLUDE 4" OF RIGID INSULATION. COVER BETWEEN 3' AND 4' SHALL INCLUDE 2" RIGID INSULATION. OTHER UTILITIES: ADD 2" OF RIGID INSULATION FOR EACH FOOT ABOVE MINIMUM DEPTH.
 - INSTALL WARNING TAPE DIRECTLY ABOVE UTILITIES AT THE TOP OF SUBGRADE.
 - MINIMUM COVER
 - 2'-0" - STORM DRAIN
 - 5'-0" - SEWER
 - NO TREES SHALL BE PLANTED WITHIN 5' OF A SEWER PIPE OR SERVICE.
 - THICKNESS AS NOTED BY SURFACE DETAILS.
 - CONTRACTOR TO COORDINATE WITH PUBLIC WORKS ON MATERIAL SPECIFICATIONS FOR INSTALLATION IN THE PUBLIC ROW.

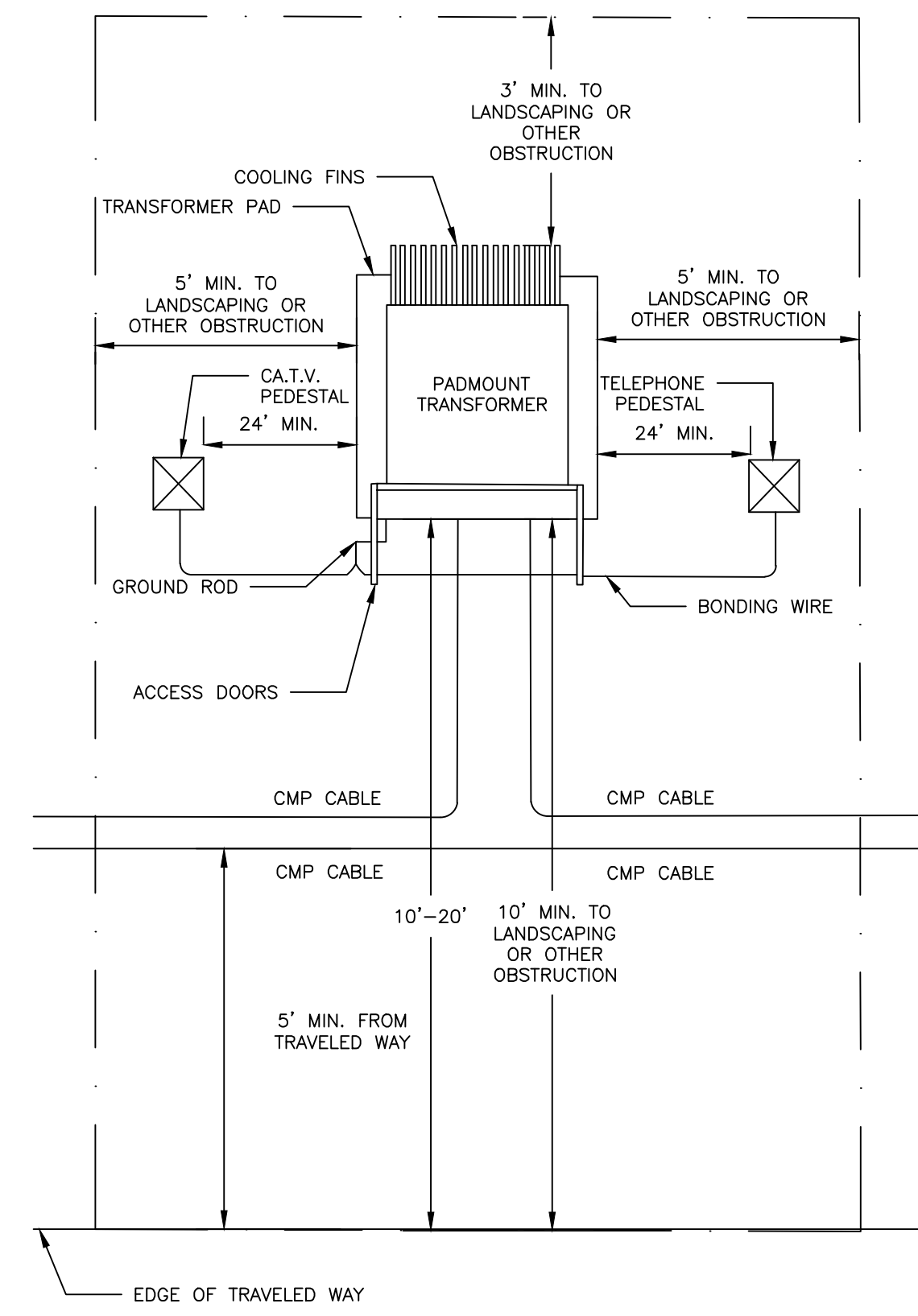
- ALLOWABLE PIPE MATERIALS:**
- REINFORCED CONCRETE PIPE (RCP) MIN. STRENGTH OF CLASS III
 - PVC RING TYPE SEWER (SDR 35) OR EQUIVALENT, MIN PS-46 RATING
 - PVC RING TYPE SEWER PIPE MEETING ASTM F 789
 - DUCTILE IRON PIPE (DIP)
 - ADS N-12 HP DUAL WALL MIN PS-46 RATING
 - ADS SANITITE HP MIN. PS-46

STORM DRAIN AND SEWER TYPICAL TRENCH SECTION
NOT TO SCALE



- NOTES:**
- ALL MANHOLE COVERS SHALL BE SOLID AND SHALL HAVE ONE 7/8" DIAMETER DRILLED PICK HOLE, LOCATED 8" FROM THE CENTER OF THE COVER.
 - ALL SANITARY AND STORMWATER/DRAIN MANHOLE COVERS SHALL BE 24" x 5".
 - ALL SANITARY MANHOLE COVERS AND SHALL HAVE "SEWER" CAST INTO THE COVER.
 - ALL STORMWATER/DRAIN MANHOLE COVERS SHALL HAVE "DRAIN" CAST INTO THE COVER.
 - APPROVED MANHOLE FRAMES:
 - EAST JORDAN = 1690Z
 - NEENAH = R-1496
 - OR APPROVED EQUAL
 - APPROVED MANHOLE COVERS
 - EAST JORDAN = 2160A
 - NEENAH = R-1496
 - OR APPROVED EQUAL

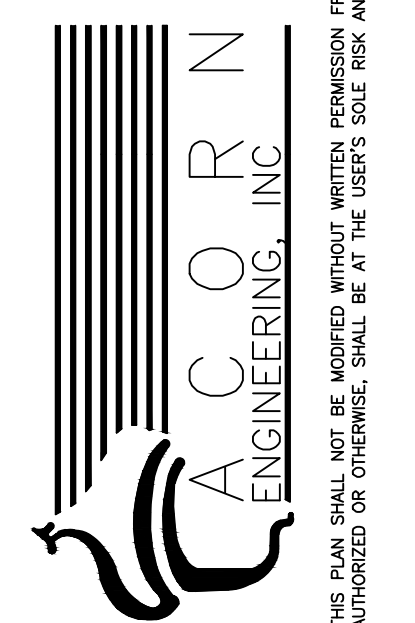
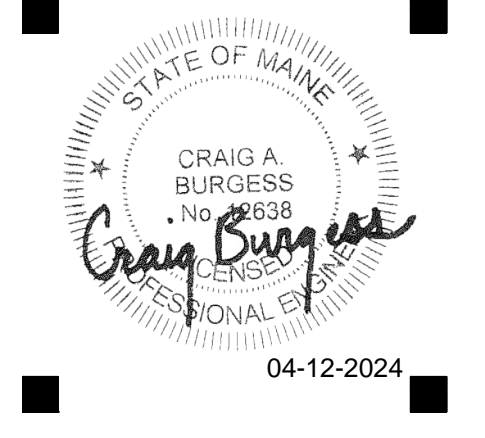
CAST IRON MANHOLE COVER AND FRAME
NOT TO SCALE



PAD MOUNTED TRANSFORMER
NOT TO SCALE



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FRANKLIN COUNTY
FARMINGTON, MAINE

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4	4/12/24	BIDDING

Date Issued: APRIL 12, 2024
Project Number: 1221
Scale: AS NOTED

UTILITY DETAILS - 2

Drawn By: NPH
Checked By: CAB

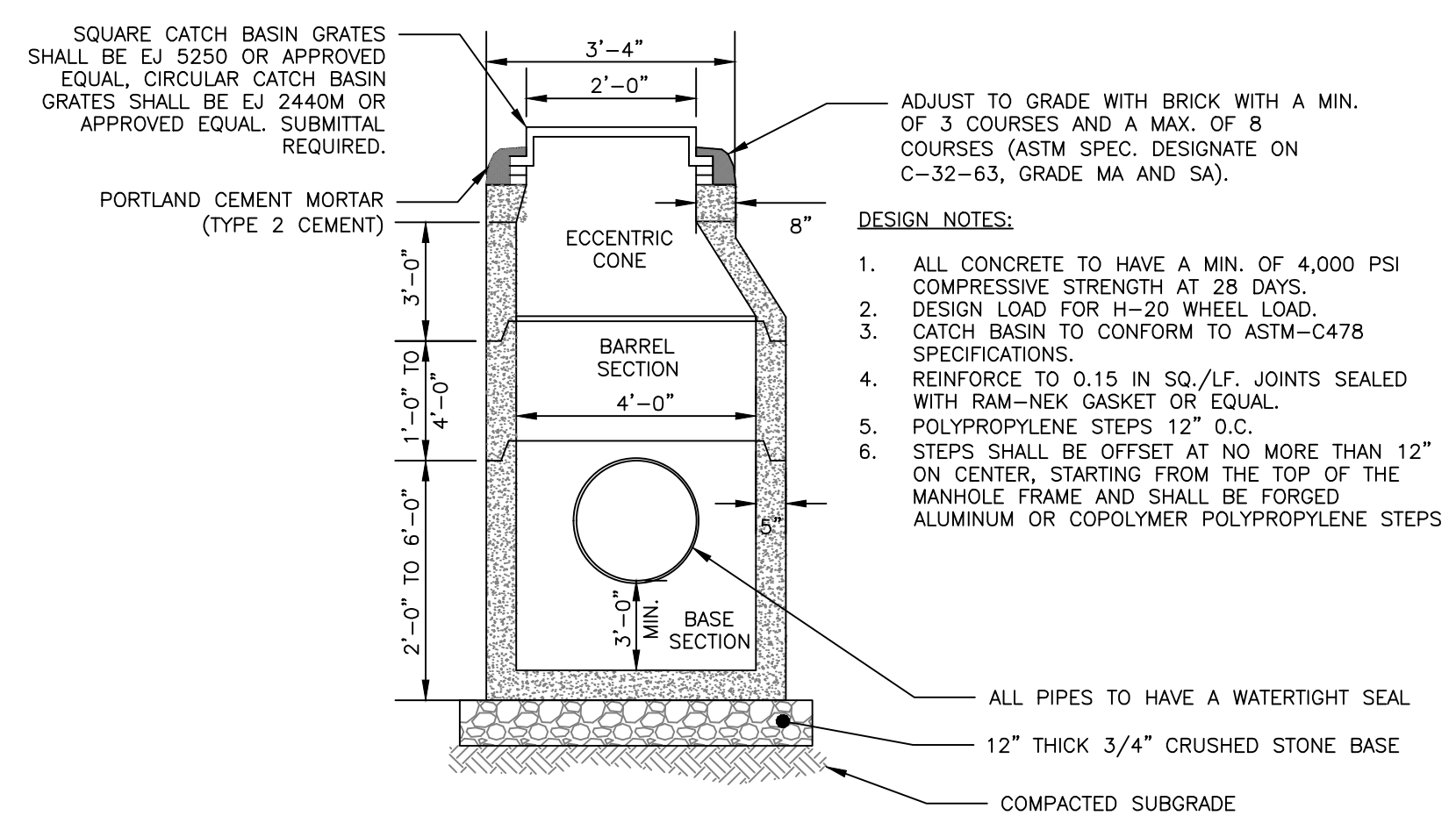
BIDDING SET
NOT FOR CONSTRUCTION

C-43

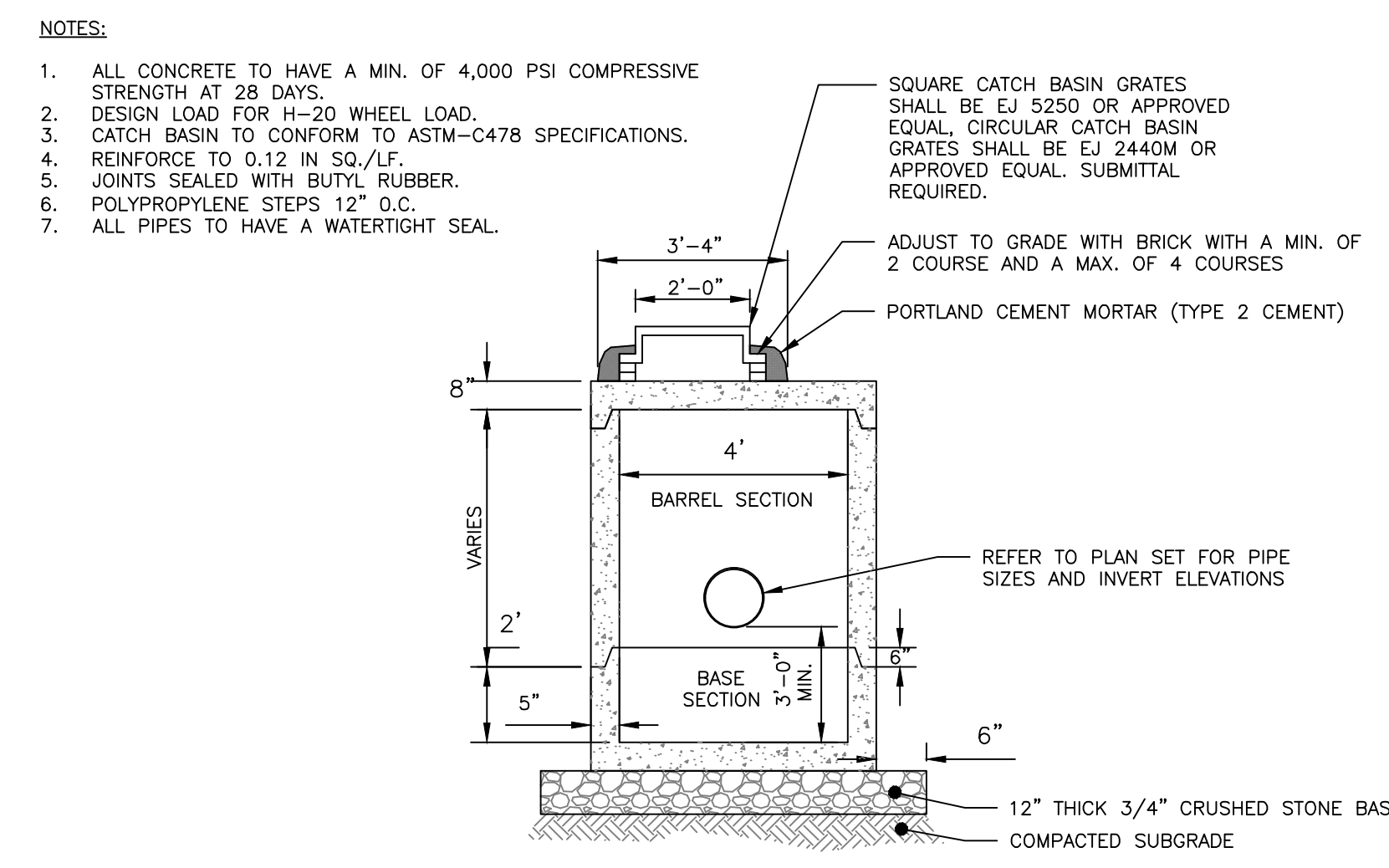
IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY

1. ALL CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4000 LBS. PER SQ. INCH AT THE END OF 28 DAYS, UNLESS OTHERWISE NOTED.
2. MANHOLES MAY BE CONSTRUCTED OF PRECAST REINFORCED CONCRETE, OR CAST IN PLACE.
3. PRECAST REINFORCED CONE BARREL MANUFACTURED PER ASTM SPEC. C-478.
4. ALL STORM AND SEWER MANHOLE COVERS SHALL BE SOLD AND SHALL HAVE ONE 7/8" DIAMETER DRILLED PICK HOLE LOCATED 8" FROM THE CENTER OF THE COVER.
5. ALL SANITARY MANHOLE COVERS SHALL HAVE "SEWER" CAST INTO THE COVER. ALL STORMWATER/DRAIN MANHOLE COVERS SHALL HAVE "DRAIN" CAST INTO THE COVER.
6. ALL MANHOLE RISERS SHALL BE ETHERIDGE 24" OR APPROVAL EQUAL.
7. SEWER BRICK SHALL CONFORM TO ASTM SPEC. DESIGNATE ON C-32-63, GRADE MA AND SA.
8. ALL SANITARY MANHOLES SHALL HAVE A WATERPROOFING COATING APPLIED TO THE EXTERIOR SURFACE.
9. CASTINGS SHALL CONFORM TO ASTM DESIGNATION A48-CLASS 35.

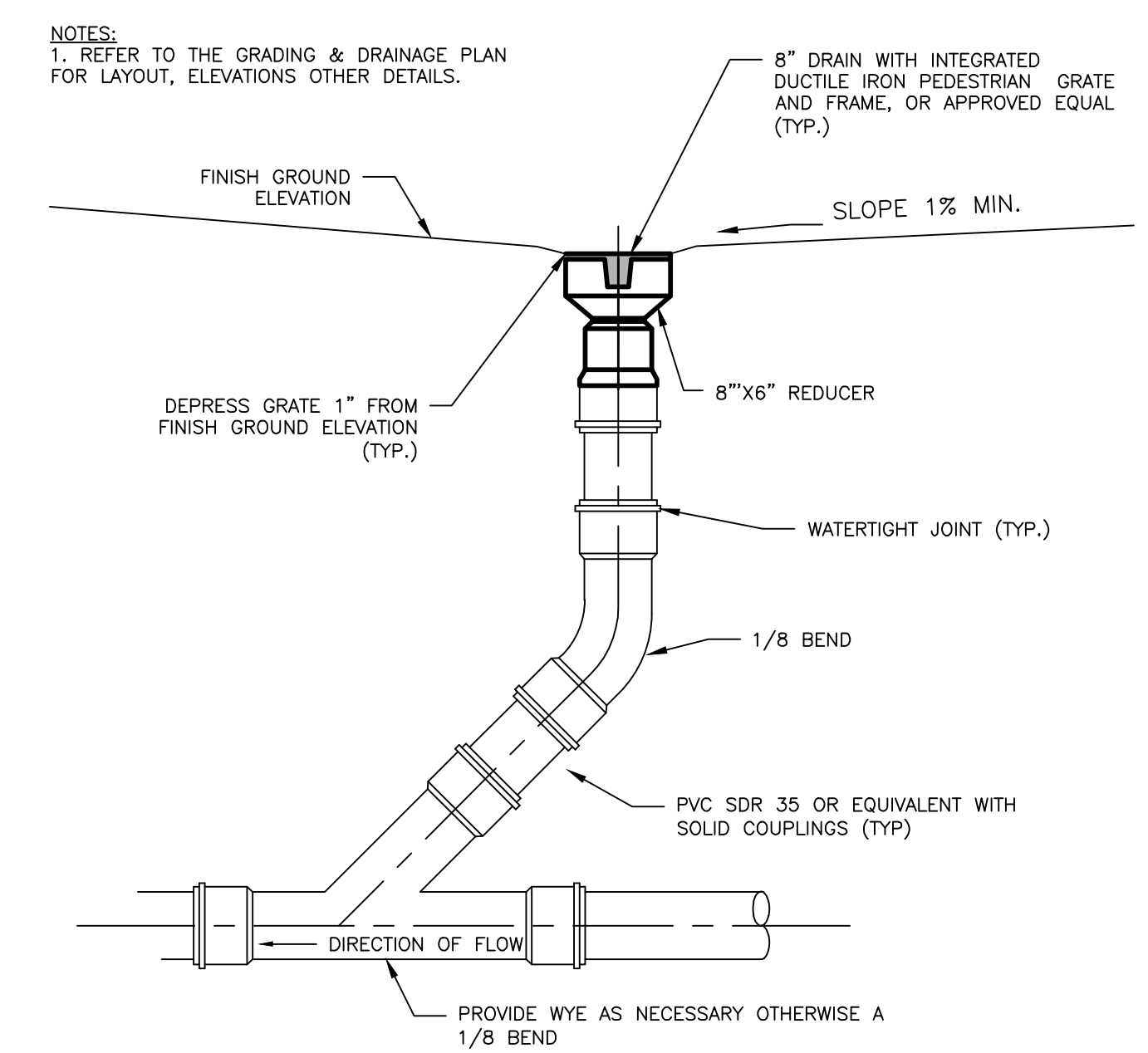
GENERAL NOTES FOR MANHOLES AND CATCH BASINS



4'-0" DIAMETER PRECAST CATCH BASIN/MANHOLE
NOT TO SCALE

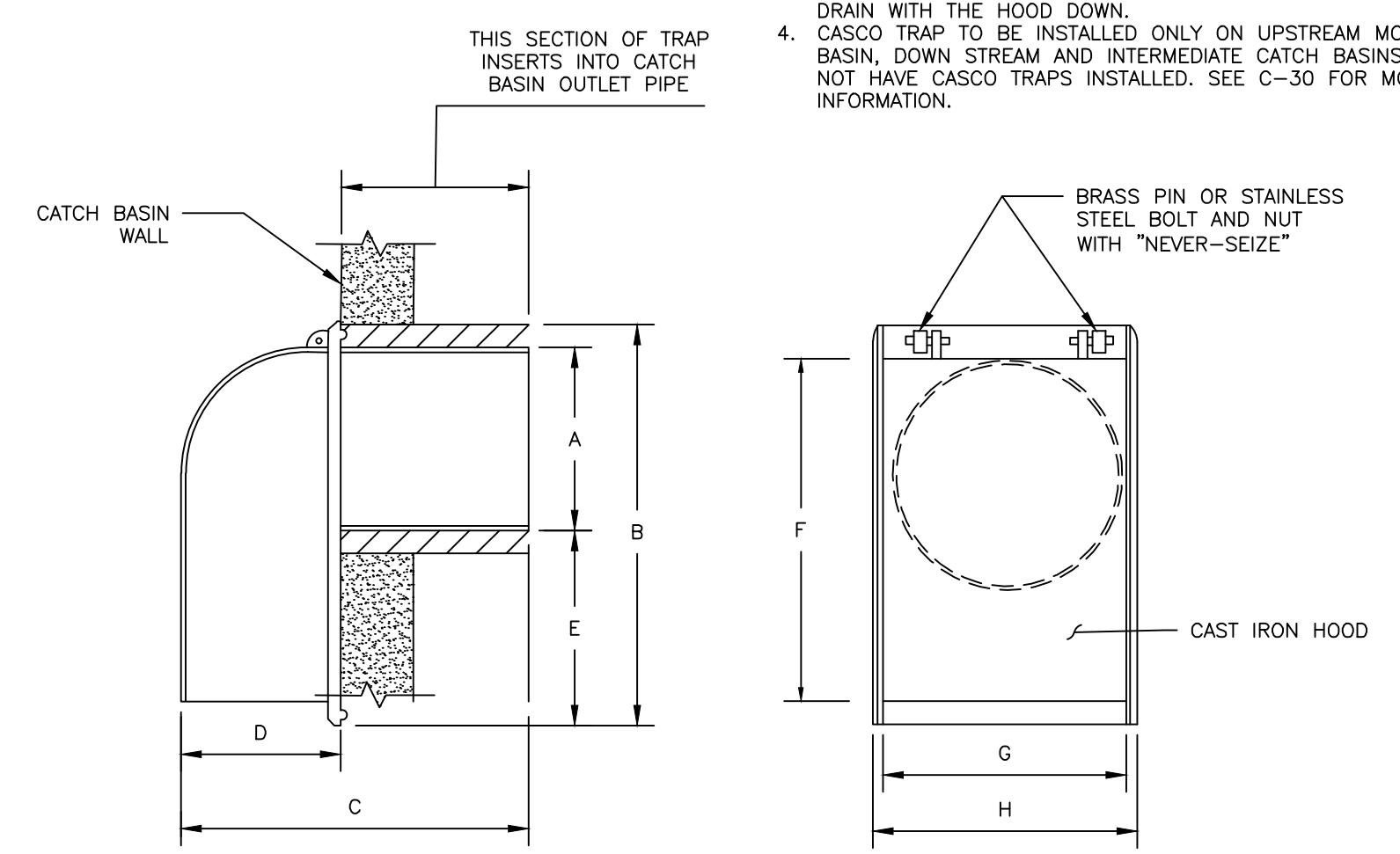


4'-0" PRECAST CATCH BASIN WITH FLATTOP
NOT TO SCALE



FIELD INLET WITH GRATE DETAIL
NOT TO SCALE

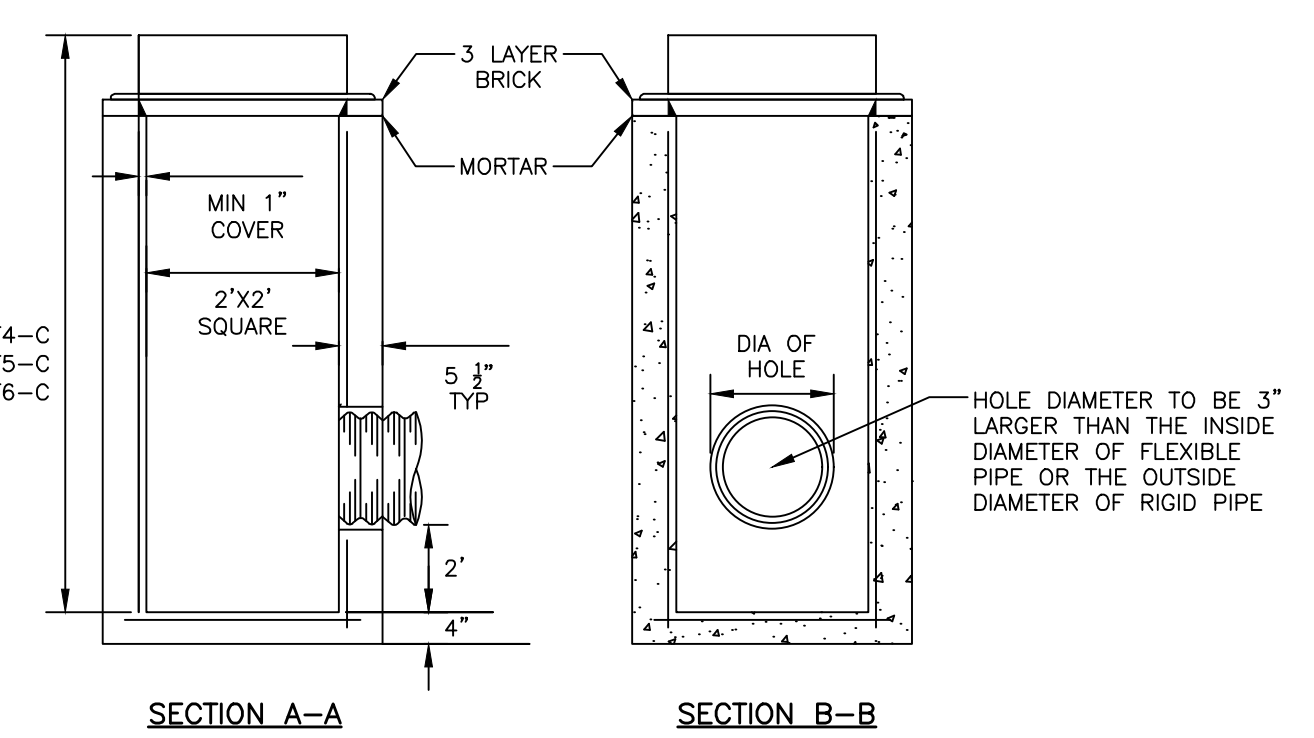
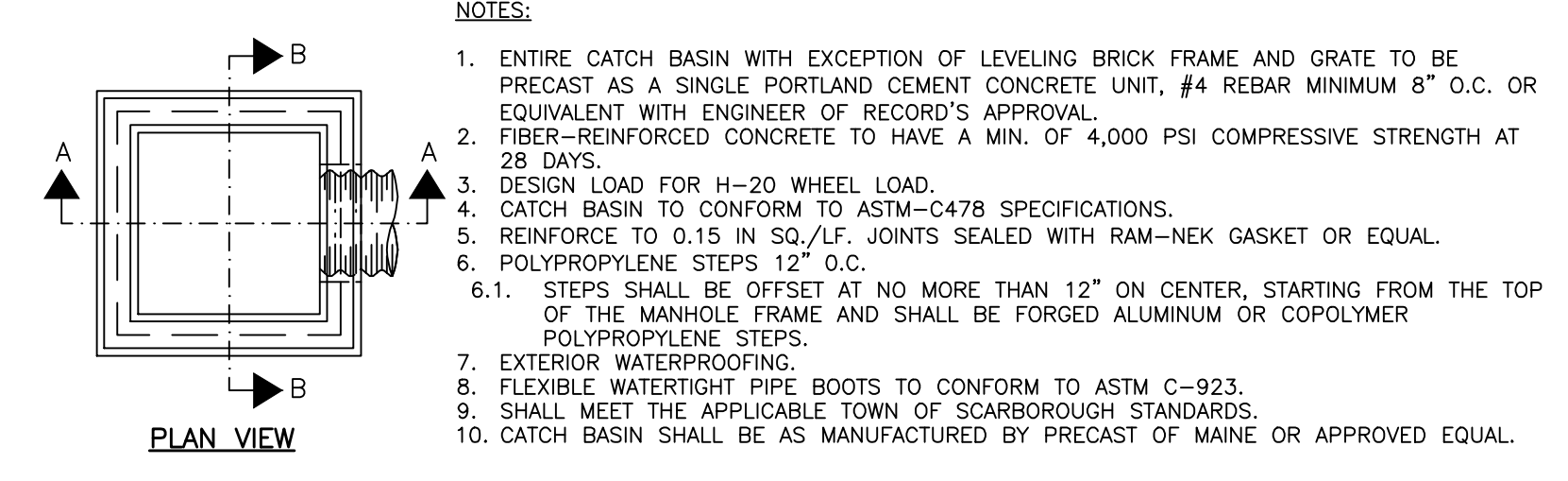
- NOTES:**
1. INSTALL "CASCO TRAP" AS MANUFACTURED BY THE ETHERIDGE FOUNDRY, OR APPROVED EQUIVALENT AS SUPPLIED BY THE LEGARON FOUNDRY, MODEL #L 202 "STANDARD CATCH BASIN TRAP".
 2. THE CASCO TRAP IS AN ETHERIDGE STYLE DESIGNED TO ELIMINATE CEMENTING OF THE TRAP.
 3. TO INSTALL, THE CASCO TRAP IS INSERTED INTO THE STORM DRAIN WITH THE HOOD DOWN.
 4. CASCO TRAP TO BE INSTALLED ONLY ON UPSTREAM MOST CATCH BASIN, DOWN STREAM AND INTERMEDIATE CATCH BASINS SHOULD NOT HAVE CASCO TRAPS INSTALLED. SEE C-30 FOR MORE INFORMATION.



SIZE	A	B	C	D	E	F	G	H
6"	5 1/2	13 3/8	13 3/4	5 3/8	5 7/8	11 5/8	6 1/2	7 1/4
8"	7 1/2	15	15 3/8	5 1/2	5 3/8	13 3/4	8 3/4	9 3/8
10"	9 1/2	16	16 1/4	6	4 1/2	14 1/8	11 1/2	12 3/8
12"	11 1/2	17	22	8	3 1/2	17	12 1/2	13 3/8

(AS MANUFACTURED BY THE ETHERIDGE FOUNDRY IN PORTLAND, ME)

CASCO TRAP DETAIL
NOT TO SCALE

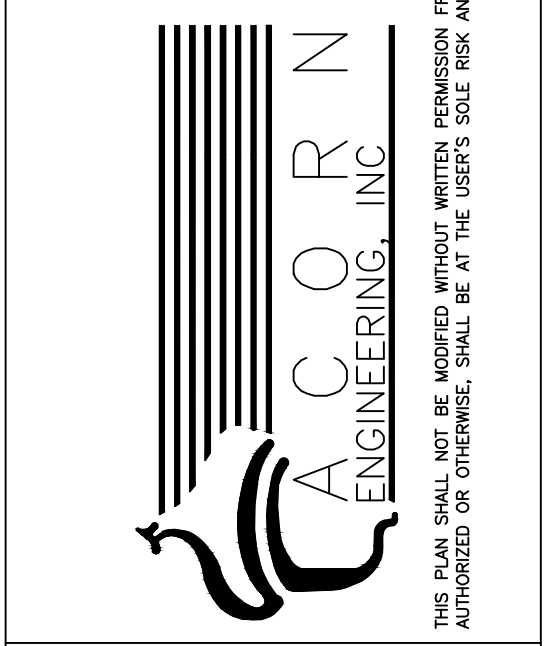
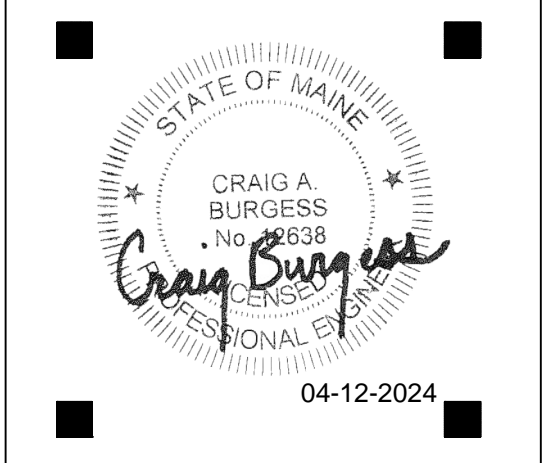


24" SQUARE CATCH BASIN "TYPE F"
NOT TO SCALE

BIDDING SET
NOT FOR CONSTRUCTION



PORT CITY ARCHITECTURE
65 NEWBURY STREET
PORTLAND, ME 04101
207.761.9000
fax: 207.761.2010



FRANKLIN COUNTY
FARMINGTON, MAINE

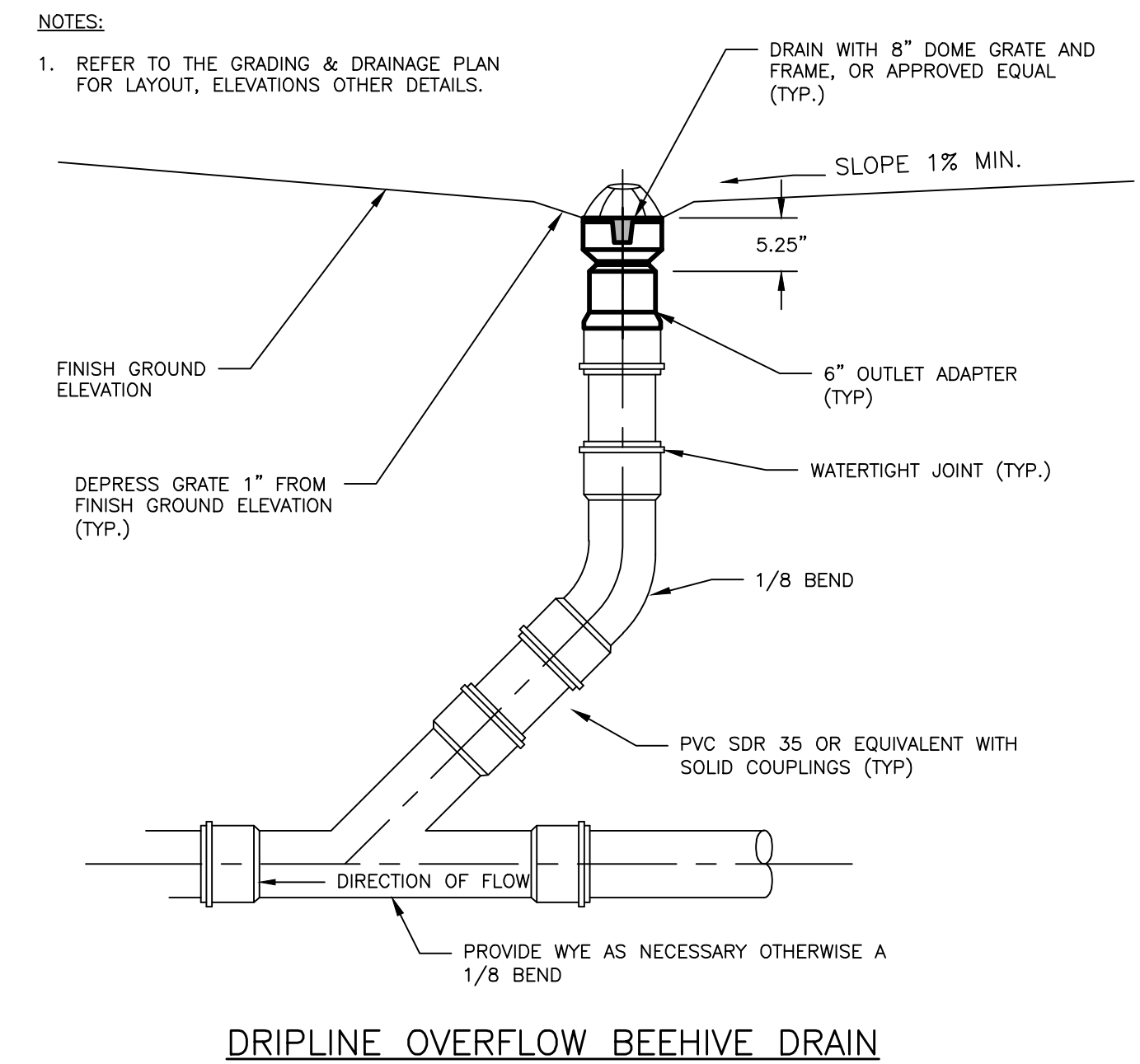
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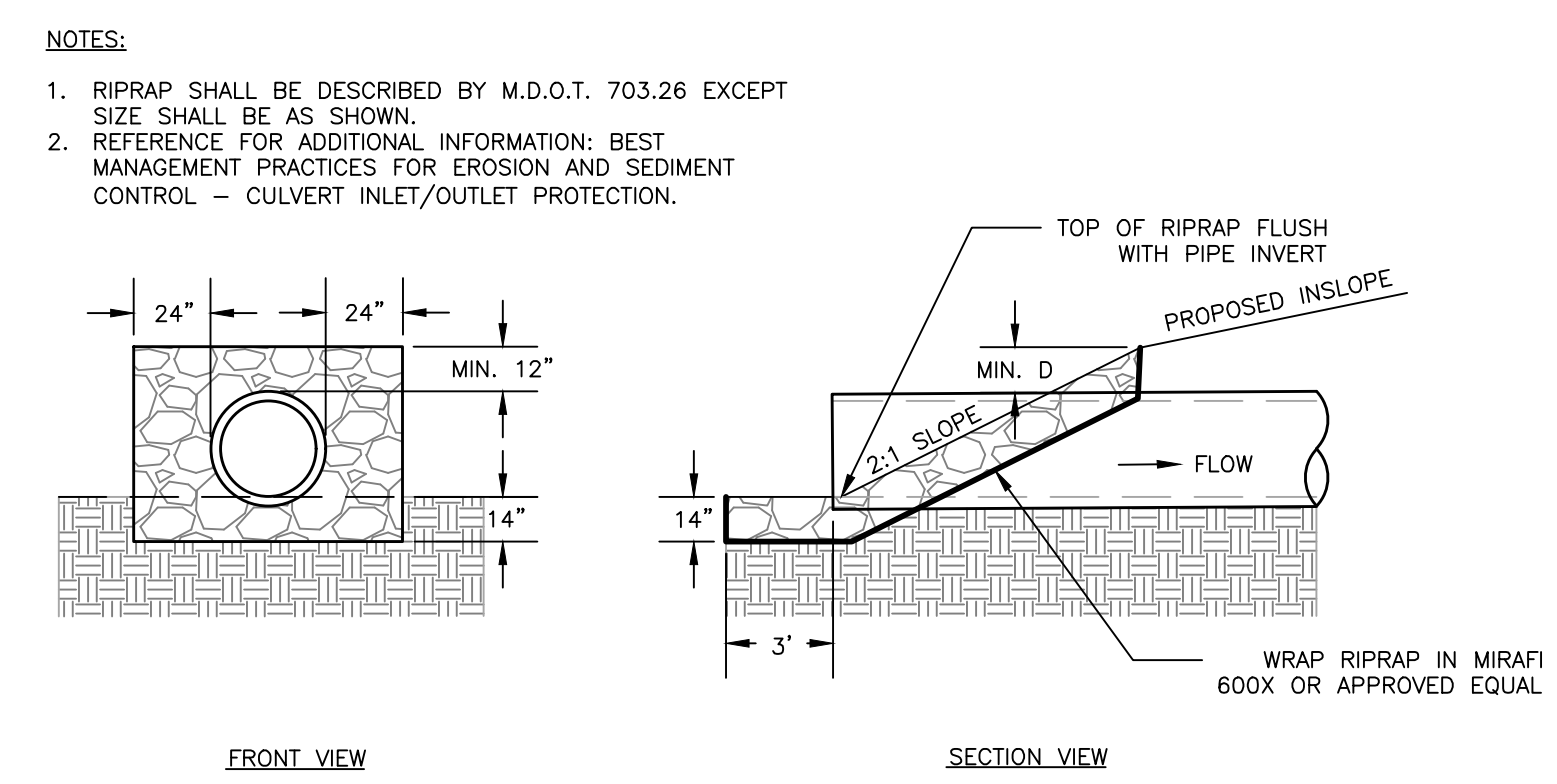
DRAINAGE DETAILS - 1

Drawn By: NPH
Checked By: CAB
C-44

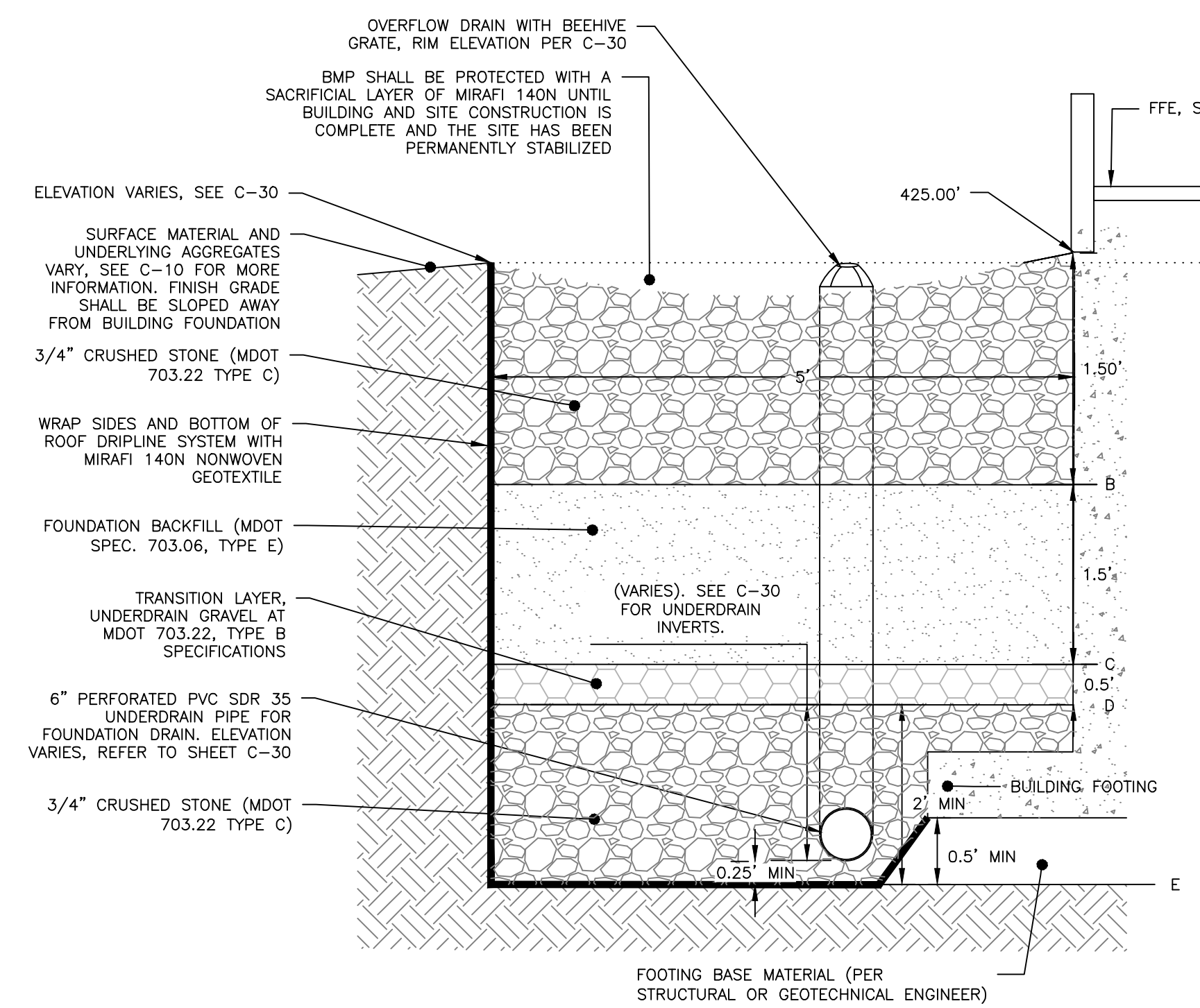
IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY



DIPLINE OVERFLOW BEEHIVE DRAIN



RIPRAP INLET APRON DETAIL
NOT TO SCALE



- NOTES:**
1. THE CRUSHED STONE RESERVOIR BED MUST CONSIST OF CRUSHED ROCK WITH A POROSITY OF 40%.
 2. REFER TO THE ARCHITECT AND STRUCTURAL ENGINEERING PLANS FOR THE BUILDING FOUNDATION, BACKFILL, ROOF DRAIN, AND OTHER DETAILS.

ROOF DIPLINE FILTRATION DETAIL
NOT TO SCALE

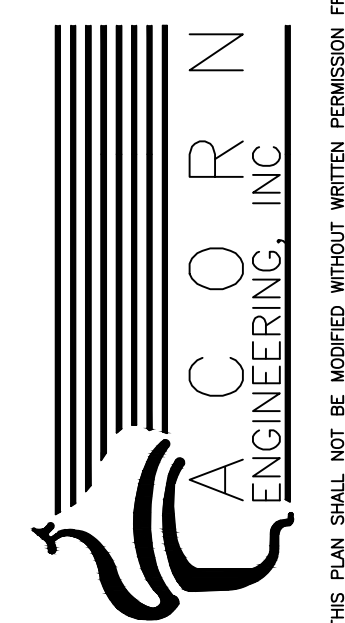
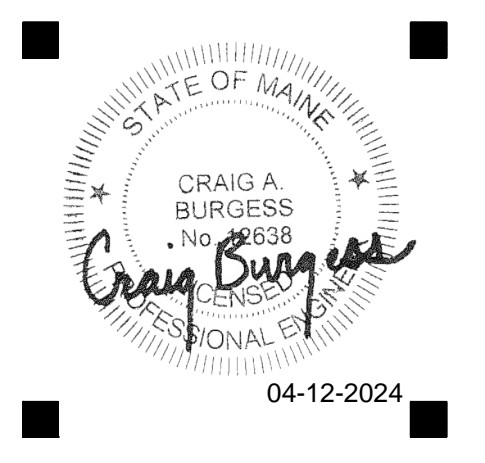
BUILDING ELEVATIONS		FOUNDATION BACKFILL	
A	SEE PLANS	SIEVE #	% PASSING
B	423.50'	3	100
C	422.00'	1/4	25-100
D	421.50'	40	0-50
E*	SEE PLANS *	200	0-7

*BOTTOM OF STONE ELEVATION IS SUBJECT TO STRUCTURAL ENGINEER DESIGN AND COORDINATION AND VARIES WITH ADJACENT FG AND FOUNDATION DRAIN INVERT.
REF: MDOT 703.06 TYPE E

- CONSTRUCTION OBSERVATION:**
- CONSTRUCTION OBSERVATION SHALL BE PROVIDED FOR EACH PHASE OF CONSTRUCTION BY ACORN ENGINEERING. THE CONTRACTOR OR OWNERS REPRESENTATIVE SHALL NOTIFY ACORN ENGINEERING A MINIMUM 48 HOURS OR 2 BUSINESS DAY WHICH EVER IS GREATER PRIOR TO ANY OF THE PHASES OF CONSTRUCTION LISTED BELOW SO THAT THE FOLLOWING SITE VISITS MAY BE SCHEDULED.
1. ONE SITE VISIT AFTER PRELIMINARY CONSTRUCTION OF THE BMP GRADES;
 2. ONE SITE VISIT DURING THE INSTALLATION OF THE GEOTEXTILE.
 3. ONE SITE VISIT AFTER THE UNDERDRAIN PIPES ARE INSTALLED BUT NOT BACKFILLED.
 4. ONE SITE VISIT DURING THE CONSTRUCTION OF THE SOIL FILTER LAYER.



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DRAINAGE DETAILS - 2

Drawn By: NPH
Checked By: CAB

BIDDING SET
NOT FOR CONSTRUCTION

C-45

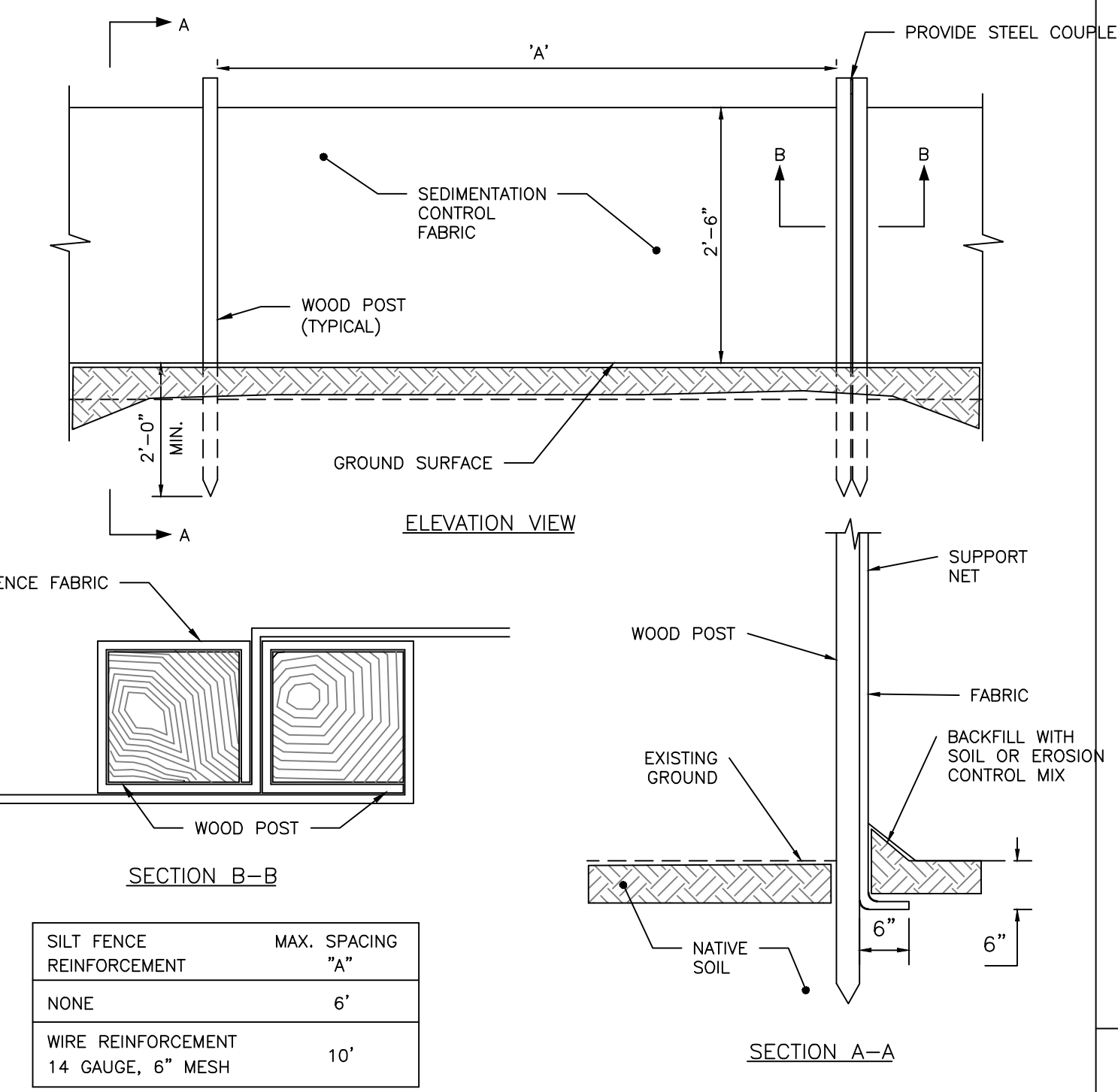
NO.	DATE	DESCRIPTION
1	2/9/24	PRELIM REVIEW
2	2/19/24	TEAM REVIEW
3	2/22/24	SITE REVIEW APP
4	4/12/24	BIDDING

Date Issued	APRIL 12, 2024
Project Number	1221
Scale	AS NOTED

ESC DETAILS & NOTES

Drawn By	NPH
Checked By	CAB

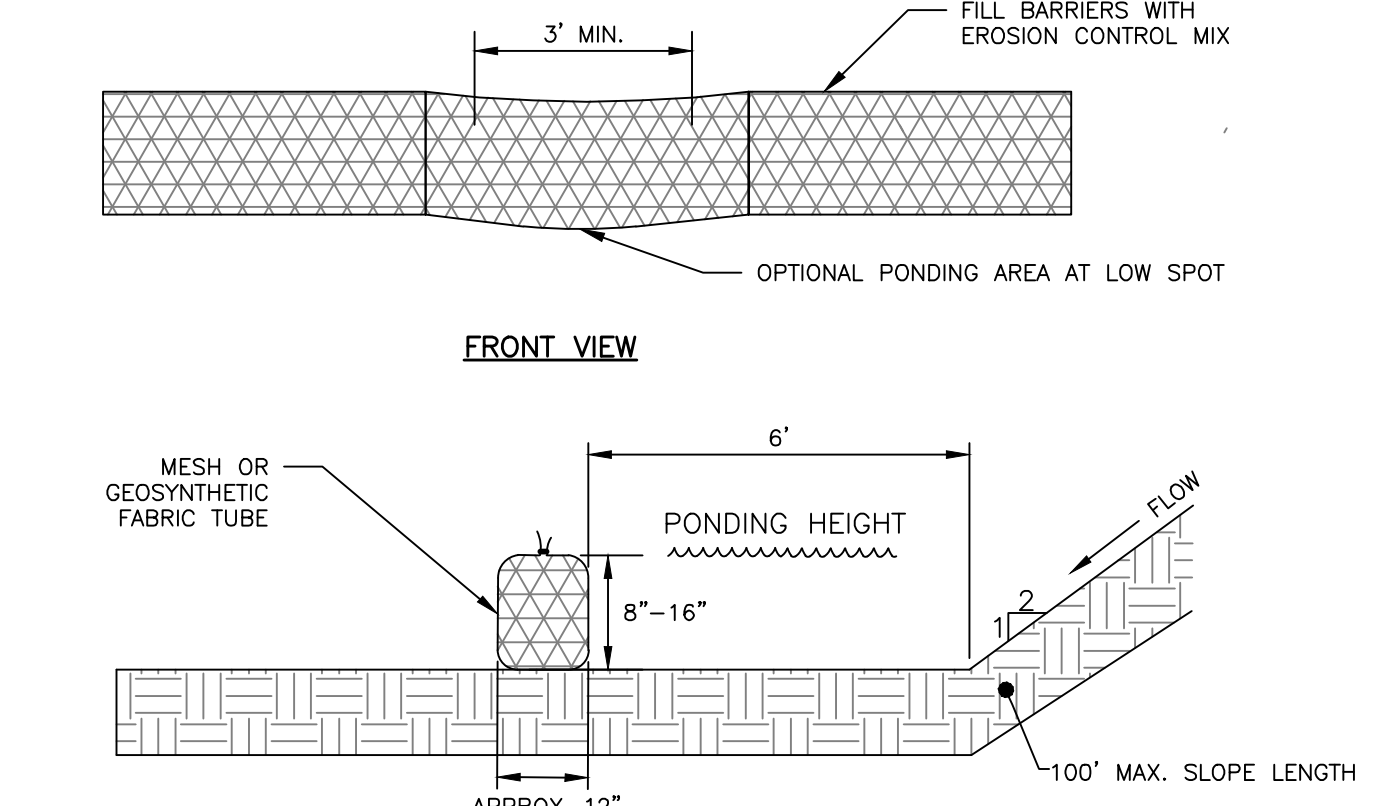
C-46



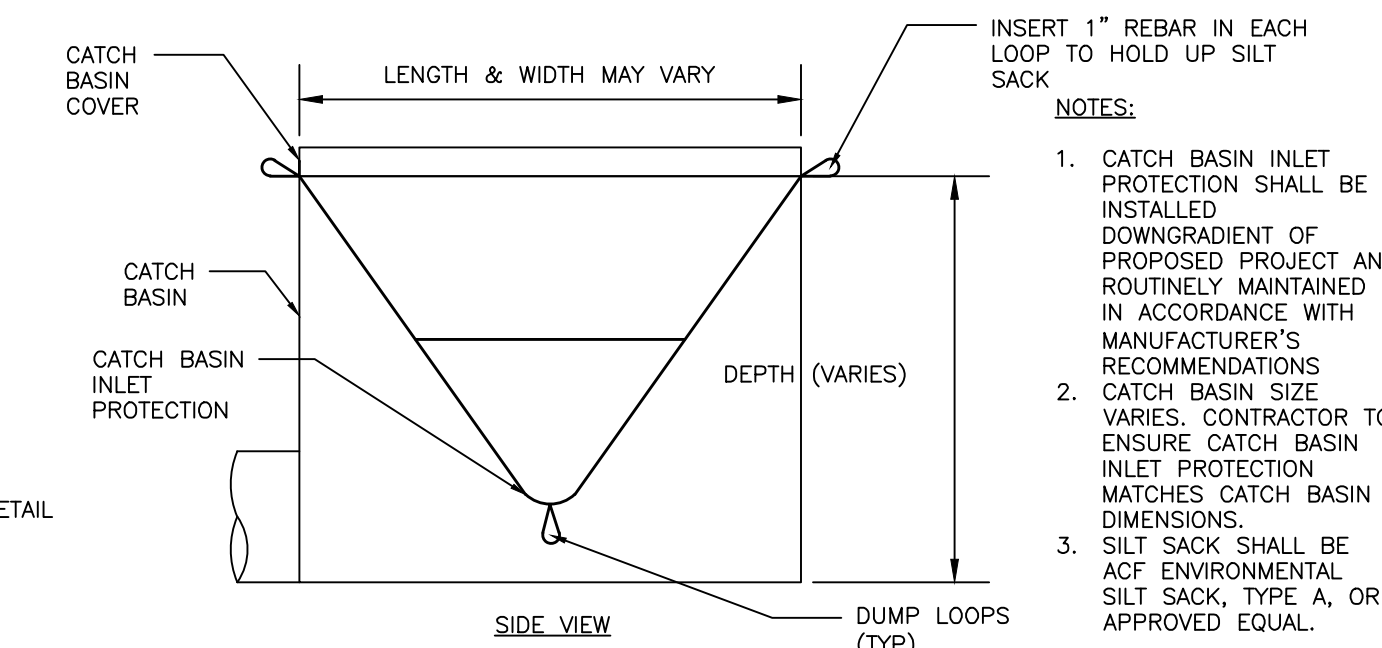
SILT FENCE REINFORCEMENT	MAX. SPACING "A"
NONE	6'
WIRE REINFORCEMENT 14 GAUGE, 6" MESH	10'

SILTATION FENCE DETAIL
NOT TO SCALE

- NOTES:
- FULL CONTACT WITH THE GROUND IS CRITICAL TO PREVENT SHORT CIRCUITING UNDER THE TUBE — THE GROUND SURFACE SHOULD BE SMOOTH AND LEVEL. IN WOODED AREAS, PROTRUDING ROOTS AND DEBRIS MAY NEED TO BE REMOVED. IN GRASSED AREAS, THE GRASS NEEDS TO BE EITHER MOWED OR COMPRESSED DOWN.
 - STAKING MAY BE NECESSARY ON STEEP SLOPES.
 - UPON FINAL STABILIZATION, THE TUBE CAN BE CUT OPEN AND THE MATERIAL SPREAD OUT ONTO THE GROUND. THE MESH MATERIAL SHOULD BE REMOVED.
 - LOOSE COMPOST MAY BE BACKFILLED ALONG THE UPSLOPE SIDE OF THE COMPOST FILTER SOCK, FILLING THE SEAM BETWEEN THE SOIL SURFACE AND THE DEVICE, IMPROVING FILTRATION AND SEDIMENT RETENTION.



FILTER SOCK DETAIL
NOT TO SCALE



CATCH BASIN INLET PROTECTION
NOT TO SCALE

BIDDING SET
NOT FOR CONSTRUCTION

HAY BALE BARRIERS, SILT FENCES AND FILTER BERMS SHALL BE INSPECTED AND REPAIRED FOR THE FOLLOWING IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THEM. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES OF THE BARRIER, OR IMPOUNDING OF LARGE VOLUMES OF WATER BEHIND THEM, SEDIMENT BARRIERS SHALL BE REPLACED WITH A TEMPORARY CHECK DAM SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER. FILTER BERMS SHOULD BE RESHAPED AS NEEDED. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHOULD BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

5.2 STABILIZED STONE CONSTRUCTION ENTRANCES
THE EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. WHEN THE CONTROL PAD BECOMES INEFFECTIVE, THE STONE SHALL BE REMOVED ALONG WITH THE COLLECTED SOIL MATERIAL AND REDISTRIBUTED ON SITE IN A STABLE MANNER. THE ENTRANCE SHOULD THEN BE RECONSTRUCTED. THE CONTRACTOR SHALL SWEEP OR WASH PAVEMENT AT EXITS, WHICH HAVE EXPERIENCED MUD-TRACKING ON TO THE PAVEMENT OR TRAVELED WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE, WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES, OR WATERWAYS.

5.3 MULCHED AREAS
ALL MULCHES SHALL BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR RILL EROSION. IF LESS THAN 90% OF THE SOIL SURFACE IS COVERED BY MULCH, ADDITIONAL MULCH SHALL BE IMMEDIATELY APPLIED. NETS MUST BE INSPECTED AFTER RAIN EVENTS FOR DISLOCATION OR FAILURE. IF WASHOUTS OR BREAKAGE OCCUR, RE-INSTALL THE NETS AS NECESSARY AFTER REPAIRING DAMAGE TO THE SLOPE. WHERE MULCH IS USED IN CONJUNCTION WITH ORNAMENTAL PLANTINGS, INSPECT PERIODICALLY THROUGHOUT THE YEAR TO DETERMINE IF MULCH IS MAINTAINING COVERAGE OF THE SOIL SURFACE. REPAIR AS NEEDED.

5.4 DUST CONTROL
WHEN TEMPORARY DUST CONTROL MEASURES ARE USED, REPETITIVE TREATMENT SHALL BE APPLIED AS NEEDED TO ACCOMPLISH CONTROL.

5.5 STORMWATER APPURTENANCES
ALL UNDERDRAINS, STORM DRAINS, AND CATCH BASINS NEED TO BE OPERATING EFFECTIVELY AND FREE OF DEBRIS.

5.6 EROSION AND SEDIMENTATION CONTROL INSPECTIONS:
ACORN ENGINEERING HAS PERSONNEL QUALIFIED TO CONDUCT EROSION AND SEDIMENTATION CONTROL INSPECTIONS. FOR FURTHER INFORMATION CONTACT:
CONTACT: WILL SAVAGE, PE
TELEPHONE: (207) 775-2655
QUALIFICATIONS:
➢ MAINE PROFESSIONAL ENGINEERING LICENSE #11419
➢ MAINE DEP — CERTIFIED IN MAINTENANCE & INSPECTION OF STORMWATER BMP'S CERT #14
➢ CERTIFIED EROSION, SEDIMENT AND STORM WATER INSPECTOR (CESSWI) CERT #0293
➢ CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) CERT. #4620

THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR COMPLYING WITH THE EROSION AND SEDIMENTATION REPORT/PLAN, INCLUDING CONTROL OF FUGITIVE DUST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONETARY PENALTIES RESULTING FROM FAILURE TO COMPLY WITH THESE STANDARDS.

6.0 IMPLEMENTATION SCHEDULE
THE FOLLOWING IMPLEMENTATION SEQUENCE IS INTENDED TO MAXIMIZE THE EFFECTIVENESS OF THE ABOVE DESCRIBED EROSION CONTROL MEASURES. CONTRACTORS SHOULD AVOID OVEREXPOSING DISTURBED AREAS AND LIMIT THE AMOUNT OF STABILIZATION AREA.

- INSTALL A STABILIZED CONSTRUCTION ENTRANCE IN ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC WILL ENTER AND EXIT THE SITE.
- INSTALL PERIMETER SILT FENCE OR EROSION CONTROL BERM.
- INSTALL ALL OTHER EROSION CONTROL DEVICES AS NECESSARY THROUGHOUT THE REMAINDER OF THIS SCHEDULE.
- COMMENCE INSTALLATION OF DRAINAGE INFRASTRUCTURE.
- PRIORITIZE THE DOWNHILL SIDE TO CONTAIN RUNOFF WITHIN THE SITE WHILE PROVIDING AN ENGINEERED OUTLET WITH SILTATION BARRIER TO THE STORM DRAIN SYSTEM.
- COMMENCE EARTHWORK OPERATIONS, WALL AND FOUNDATION INSTALLATION.
- COMMENCE INSTALLATION OF UTILITIES.
- CONTINUE EARTHWORK AND GRADING TO SUBGRADE AS NECESSARY FOR CONSTRUCTION.
- COMPLETE INSTALLATION OF DRAINAGE INFRASTRUCTURE, AS WELL AS OTHER UTILITY WORK.
- COMPLETE REMAINING EARTHWORK OPERATIONS.
- INSTALL SUB-BASE AND BASE GRAVELS IN PAVED AREAS.
- INSTALL PAVING, CURBING AND BRICKWORK.
- LOAM, LIME, FERTILIZE, SEED AND MULCH DISTURBED AREAS AND COMPLETE ALL LANDSCAPING.
- ONCE THE SITE IS STABILIZED, 90% CATCH OF GRASS HAS BEEN OBTAINED, OR MULCHING OF LANDSCAPE AREAS IS COMPLETE REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.
- TOUCH UP AREAS WITHOUT A VIGOROUS CATCH OF GRASS WITH LOAM AND SEED.
- COMPLETE SITE SIGNAGE AND STRIPING.
- EXECUTE PROPER MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.

THE ABOVE IMPLEMENTATION SEQUENCE SHOULD BE GENERALLY FOLLOWED BY THE SITE CONTRACTOR. HOWEVER, THE CONTRACTOR MAY CONSTRUCT SEVERAL ITEMS SIMULTANEOUSLY. THE CONTRACTOR SHALL SUBMIT TO THE OWNER A SCHEDULE OF THE COMPLETION OF THE WORK. IF THE CONTRACTOR IS TO COMMENCE THE CONSTRUCTION OF MORE THAN ONE ITEM ABOVE, THEY SHALL LIMIT THE AMOUNT OF EXPOSED AREAS TO THOSE AREAS IN WHICH WORK IS EXPECTED TO BE UNDERTAKEN DURING THE FOLLOWING 30 DAYS.

THE CONTRACTOR SHALL RE-VEGETATE DISTURBED AREAS AS RAPIDLY AS POSSIBLE. ALL AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 7 DAYS OF FINAL GRADING OR BEFORE A STORM EVENT. THE CONTRACTOR SHALL INCORPORATE PLANNED INLETS AND DRAINAGE SYSTEMS AS EARLY AS POSSIBLE INTO THE CONSTRUCTION PHASE.

7.0 SEEDING PLAN

7.1 SITE PREPARATION
THE SEEDED AREAS SHALL BE FEASIBLY GRADED OUT TO PROVIDE THE USE OF EQUIPMENT FOR SEEDED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. IF NECESSARY, THE SITE MAY REQUIRE ADDITIONAL TEMPORARY EROSION CONTROL MEASURES OUTLINED IN THE EROSION CONTROL REPORT.

7.2 SEEDBED PREPARATION
FERTILIZER SHALL BE APPLIED TO THE SITE AT A RATE OF 13.8 POUNDS PER 1,000 SQUARE FEET. THE COMPOSITION OF THE FERTILIZER SHALL BE 10-10-10 (N-P205-K20) OR EQUIVALENT.

LIMESTONE SHALL BE APPLIED TO THE SITE AT A RATE OF 138 POUNDS PER 1,000 SQUARE FEET.

7.3 SEEDING
THE COMPOSITION AND AMOUNT OF TEMPORARY SEED APPLIED TO A SITE SHALL BE DETERMINED BY THE FOLLOWING TABLE:

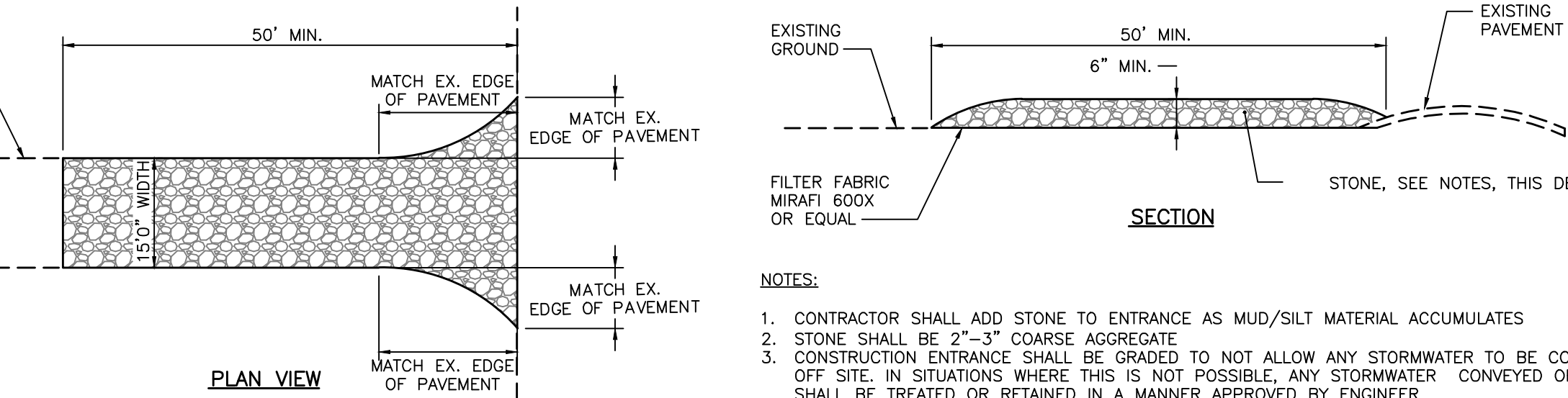
SEED	LBS / ACRE	RECOMMENDED SEEDING DATES
WINTER RYE	2.57	8/15 TO 10/1
OATS	1.84	4/1 TO 7/1 8/15 TO 9/15
ANNUAL RYGRASS	0.92	4/1 TO 7/1
SUDANGRASS	0.92	5/15 TO 8/15
PERENNIAL	0.92	8/15 TO 9/15
TOTAL	7.17 LBS/ACRE	

SEED	LBS / ACRE
KENTUCKY BLUEGRASS	20.00
CREeping RED FESCUE	20.00
PERENNIAL RYGRASS	4.80
TOTAL	44.8 LBS/ACRE

7.4 MULCHING
MULCH SHALL BE HARDWOOD AND APPLIED AT A RATE OF 70 LBS — 90 LBS PER 1,000 SQUARE FEET. THE MULCH SHALL BE INSTALLED AT A MINIMUM DEPTH OF 4 INCHES. THE SEEDED AREA SHALL BE MULCHED IMMEDIATELY AFTER SEED IS APPLIED. MULCHING DURING THE WINTER SEASON SHALL BE DOUBLE THE NORMAL AMOUNT. REFER TO DETAIL FOR MORE INFORMATION.

8.0 CONCLUSION

THE ABOVE EROSION CONTROL NARRATIVE IS INTENDED TO MINIMIZE THE DEVELOPMENT IMPACT BY IMPLEMENTING TEMPORARY AND PERMANENT EROSION CONTROL MEASURES. THE CONTRACTOR SHALL ALSO REFER TO THE MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL FOR ADDITIONAL INFORMATION.



STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

1.0 EROSION CONTROL MEASURES AND SITE STABILIZATION

AS PART OF THE SITE DEVELOPMENT, THE FOLLOWING TEMPORARY AND PERMANENT EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE IMPLEMENTED. DEVICES SHALL BE INSTALLED AS DESCRIBED IN THIS REPORT OR WITHIN THE PLAN SET. SEE THE MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: BEST MANAGEMENT PRACTICES FOR FURTHER REFERENCE.

1.1 TEMPORARY EROSION CONTROL MEASURES

THE FOLLOWING TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES ARE PLANNED FOR THE PROJECT'S CONSTRUCTION PERIOD:

- 1.1.1 CRUSHED STONE STABILIZED CONSTRUCTION ENTRANCES** SHALL BE PLACED AT ALL ACCESS POINTS TO THE PROJECT SITE WHERE THERE ARE DISTURBED AREAS. THE FOLLOWING SPECIFICATIONS SHALL BE FOLLOWED AT A MINIMUM:
 - STONE SIZE SHALL BE 2-3 INCHES, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 - THE THICKNESS OF THE ENTRANCE STONE LAYER SHALL BE NO LESS THAN 6 INCHES.
 - THE ENTRANCE SHALL NOT BE LESS THAN 20 FEET WIDE, HOWEVER NOT LESS THAN THE FULL WIDTH OF POINTS WHERE INGRESS OR EGRESS OCCURS. THE LENGTH SHALL NOT BE LESS THAN 50 FEET IN LENGTH.
 - GEOTEXTILE FABRIC (WOVEN OR NON-WOVEN) SHALL BE PLACED OVER THE ENTIRE ENTRANCE AREA.
 - THE ENTRANCE/EXIT SHALL BE MAINTAINED TO THE EXTENT THAT IT WILL PREVENT THE TRACKING OF SEDIMENT ONTO PUBLIC ROADWAYS.
- 1.1.2 SILTATION FENCE OR EROSION CONTROL BERM** SHALL BE INSTALLED DOWN GRADIENT OF ANY DISTURBED AREAS TO TRAP RUNOFF BORNE SEDIMENTS UNTIL PERMANENT STABILIZATION IS ACHIEVED. THE SILT FENCE OR EROSION CONTROL BERM SHALL BE INSTALLED PER THE DETAILS PROVIDED IN THE PLAN SET AND INSPECTED BEFORE AND IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. REPAIRS SHALL BE MADE IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THE FENCE LINE OR BERM. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES, OR IMPOUNDING OF LARGE VOLUMES OF WATER BEHIND THE FENCE OR BERM, THE BARRIER SHALL BE REPLACED WITH A STONE CHECK DAM.
- 1.1.3 HAY MULCH** INCLUDING HYDRO SEEDING IS INTENDED TO PROVIDE COVER FOR DENUDED OR SEEDED AREAS UNTIL REVEGETATION IS ESTABLISHED. MULCH PLACED BETWEEN APRIL 15TH AND NOVEMBER 1ST ON SLOPES OF LESS THAN 15 PERCENT SHALL BE COVERED BY FABRIC NETTING AND ANCHORED WITH STAPLES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION. MULCH PLACED BETWEEN NOVEMBER 1ST AND APRIL 15TH ON SLOPES EQUAL TO OR STEEPER THAN 8 PERCENT AND EQUAL TO OR FLATTER THAN 2:1 SHALL USE MATS OR FABRIC NETTING AND ANCHORED WITH STAPLES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.
- 1.1.4 AT ANY TIME OF THE YEAR**, ALL SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH DOUBLE NET EROSION CONTROL BLANKET BIONET SC150BN BY NORTH AMERICAN GREEN OR APPROVED EQUAL, OR EROSION CONTROL MIX SLOPE PROTECTION AS DETAILED WITHIN THE PLANS.
- 1.1.5 COUNTY WAY** SHALL BE SWEEPED TO CONTROL MUD AND DUST FROM THE CONSTRUCTION SITE AS NECESSARY. ADD ADDITIONAL STONE TO THE STABILIZED CONSTRUCTION ENTRANCE TO MINIMIZE THE TRACKING OF MATERIAL OFF THE SITE AND ONTO THE SURROUNDING ROADWAYS.
- 1.1.6 DURING DEMOLITION AND GRUBBING OPERATIONS**, STONE CHECK DAMS SHALL BE INSTALLED AT ANY AREAS OF CONCENTRATED FLOW. THE MAXIMUM HEIGHT OF THE CHECK DAM SHALL NOT EXCEED 2 FEET. THE CENTER OF THE CHECK DAM SHALL BE 6 INCHES BELOW THE OUTER EDGES OF THE DAM. THE CONTRACTOR SHALL MULCH THE SIDE SLOPES AND INSTALL STONE CHECK DAMS FOR ALL NEWLY EXCAVATED DITCH LINES WITHIN 24 HOURS OF THEIR CREATION.
- 1.1.7 SILT FENCE STAKE SPACING** SHALL NOT EXCEED 8 FEET UNLESS THE FENCE IS SUPPORTED WITH 14 GAUGE WIRE IN WHICH CASE THE MAXIMUM SPACING SHALL NOT EXCEED 10 FEET. THE SILT FENCE SHALL BE "TOED" INTO THE GROUND.
- 1.1.8 STORMDRAIN INLET PROTECTION** SHALL BE PROVIDED TO STORMDRAINS THROUGH THE USE OF ANY OF THE FOLLOWING: HAY BALE DROP INLET STRUCTURES, SILT FENCE DROP INLET SEDIMENT FILTER, GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER, OR CURB INLET SEDIMENT FILTER. BARRIERS SHALL BE INSPECTED AFTER EVERY RAINFALL EVENT AND REPAIRS AS NECESSARY. SEDIMENTS SHALL BE REMOVED WHEN ACCUMULATION HAS REACHED 1/2 THE DESIGN HEIGHT.
- 1.1.9 DUST CONTROL** SHALL BE ACCOMPLISHED BY THE USE OF ANY OF THE FOLLOWING: WATER, CALCIUM CHLORIDE, STONE, OR AN APPROVED MDEP PRODUCT. DUST CONTROL SHALL BE APPLIED AS NEEDED TO ACCOMPLISH DUST CONTROL.
- 1.1.10 TEMPORARY LOAM, SEED, AND MULCHING** SHALL BE USED IN AREAS WHERE NO OTHER EROSION CONTROL MEASURE IS USED. APPLICATION RATES FOR SEEDING ARE PROVIDED AT THE END OF THIS REPORT.
- 1.1.11 STOCKPILES** SHALL BE STABILIZED WITHIN 7 DAYS OF FORMATION UNLESS A SCHEDULED RAIN EVENT OCCURS PRIOR TO THE 7 DAY WINDOW, IN WHICH CASE THE STOCKPILE SHALL BE STABILIZED PRIOR TO THE RAIN EVENT. METHODS OF STABILIZATION SHALL BE MULCH, EROSION CONTROL MIX, OR EROSION CONTROL BLANKETS/PLACES. SILT FENCE OR A WOOD WASTE COMPOST FILTER BERM SHALL BE PLACED DOWNHILL OF ANY SOIL STOCKPILE LOCATION.
- 1.1.12 FOR DISTURBANCE BETWEEN NOVEMBER 1 AND APRIL 15**, PLEASE REFER TO WINTER STABILIZATION PLAN IN THIS REPORT AND THE MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL FOR FURTHER INFORMATION.
- 1.1.13 IT IS OF THE UTMOST IMPORTANCE** THAT STORMWATER RUNOFF AND POTENTIAL SEDIMENT FROM THE CONSTRUCTION SITE BE DIVERTED AROUND THE PROPOSED UNDERDRAINS UNTIL THE TRENCH IS BACKFILLED.

1.2 PERMANENT EROSION CONTROL MEASURES

THE FOLLOWING PERMANENT EROSION CONTROL MEASURES ARE INTENDED FOR POST DISTURBANCE AREAS OF THE PROJECT.

- 1.2.1 ALL DISTURBED AREAS** DURING CONSTRUCTION, NOT SUBJECT TO OTHER PROPOSED CONDITIONS, SHALL RECEIVE A MINIMUM 4" OF LOAM AND SHALL BE LIMED, AND MULCHED.
- 1.2.2 ALL STORMWATER DEVICES** SHALL BE INSTALLED AND TRIBUTARY AREAS STABILIZED PRIOR RECEIVING STORMWATER.
- 1.2.3 REFER TO THE MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL** FOR ADDITIONAL INFORMATION.

2.0 EROSION AND SEDIMENTATION CONTROL PLAN

2.1 THE EROSION AND SEDIMENTATION CONTROL PLAN IS INCLUDED WITHIN THE PLAN SET.

3.0 DETAILS AND SPECIFICATIONS

3.1 EROSION CONTROL DETAILS AND SPECIFICATIONS ARE INCLUDED IN THE PLAN SET.

4.0 STABILIZATION PLAN FOR WINTER CONSTRUCTION

WINTER CONSTRUCTION CONSISTS OF EARTHWORK DISTURBANCE BETWEEN THE DATES OF NOVEMBER 1 AND APRIL 15. IF A CONSTRUCTION SITE IS NOT STABILIZED WITH PAVEMENT, A ROAD GRAVEL BASE, 75% MATURE VEGETATION COVER OR RIPRAP BY NOVEMBER 15, THEN THE SITE SHALL BE PROTECTED WITH OVER-WINTER STABILIZATION. ANY AREA NOT STABILIZED WITH PAVEMENT, VEGETATION, MULCHING, EROSION CONTROL MIX, EROSION CONTROL MATS, RIPRAP, OR GRAVEL BASE ON A ROAD SHALL BE CONSIDERED OPEN.

THE CONTRACTOR SHALL LIMIT THE WORK AREA TO AREAS THAT WORK WILL OCCUR IN DURING THE SUBSEQUENT 15 DAYS AND SO THAT IT CAN BE MULCHED ONE DAY PRIOR TO A SNOW EVENT. THE CONTRACTOR SHALL STABILIZE WORK AREAS PRIOR TO OPENING ADDITIONAL WORK AREAS TO MINIMIZE AREAS WITHOUT EROSION CONTROL MEASURES.

THE FOLLOWING MEASURES SHALL BE IMPLEMENTED DURING WINTER CONSTRUCTION PERIODS:

4.1 SEDIMENT BARRIERS

DURING FROZEN CONDITIONS, SEDIMENT BARRIERS MAY CONSIST OF EROSION CONTROL MIX BERMS OR ANY OTHER RECOGNIZED SEDIMENT BARRIERS AS FROZEN SOIL PREVENTS THE PROPER INSTALLATION OF HAY BALES OR SILT FENCES.

4.2 MULCHING

ALL AREAS SHALL BE CONSIDERED TO BE DENUDED UNTIL SEEDED AND MULCHED. HAY AND STRAW MULCH SHALL BE APPLIED AT A RATE OF 150 LB. PER 1,000 SQUARE FEET OR 3 TONS/ACRE (TWICE THE NORMAL ACCEPTED RATE OF 75-LBS./1,000 S.F. OR 1.5 TONS/ACRE) AND SHALL BE PROPERLY ANCHORED. EROSION CONTROL MIX MUST BE APPLIED WITH A MINIMUM 4 INCH THICKNESS. MULCH SHALL NOT BE SPREAD ON TOP OF SNOW. THE SNOW SHALL BE REMOVED DOWN TO A ONE-INCH DEPTH OR LESS PRIOR TO APPLICATION. AFTER EACH DAY OF FINAL GRADING, THE AREA SHALL BE PROPERLY STABILIZED WITH ANCHORED HAY OR STRAW OR EROSION CONTROL MATTING. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED OR ADEQUATELY ANCHORED SO THAT GROUND SURFACE IS NOT VISIBLE THROUGH THE MULCH. BETWEEN THE DATES OF NOVEMBER 1 AND APRIL 15, ALL MULCH SHALL BE ANCHORED BY EITHER MULCH NETTING, TRACKING OR WOOD CELLULOSE FIBER. THE COVER WILL BE CONSIDERED SUFFICIENT WHEN THE GROUND SURFACE IS NOT VISIBLE THROUGH THE MULCH. AFTER NOVEMBER 1ST, MULCHING AND ANCHORING OF ALL EXPOSED SOIL SHALL OCCUR AT THE END OF EACH FINAL GRADING WORKDAY.

4.3 SOIL STOCKPIILING

STOCKPILES OF SOIL OR SUBSOIL SHALL BE MULCHED FOR OVER WINTER PROTECTION WITH HAY OR STRAW AT TWICE THE NORMAL RATE OR WITH A FOUR-INCH LAYER OF EROSION CONTROL MIX. THIS SHALL BE DONE WITHIN 24 HOURS OF STOCKING AND RE-ESTABLISHED PRIOR TO ANY RAINFALL OR SNOWFALL.

4.4 SEEDING

BETWEEN THE DATES OF OCTOBER 15TH AND APRIL 1ST, LOAM OR SEED SHALL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES FINISHED AREAS SHALL BE FINE GRADDED AND PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS NOT BEEN LOAMED, FINAL GRADING WITH A UNIFORM SURFACE, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED.

DORMANT SEEDING MAY BE PLACED PRIOR TO THE PLACEMENT OF MULCH OR EROSION CONTROL BLANKETS. IF DORMANT SEEDING IS USED FOR THE SITE, ALL DISTURBED AREAS SHALL RECEIVE 4" OF LOAM AND SEED AT AN APPLICATION RATE OF 5 LBS/1,000 S.F. ALL AREAS SEEDED DURING THE WINTER SHALL BE INSPECTED IN THE SPRING FOR ADEQUATE COVER. ALL AREAS INSUFFICIENTLY VEGETATED (LESS THAN 75% CATCH) SHALL BE REVEGETATED BY REPLACING LOAM, SEED AND MULCH. IF DORMANT SEEDING IS NOT USED FOR THE SITE, ALL DISTURBED AREAS SHALL BE REVEGETATED IN THE SPRING.

4.5 OVER WINTER STABILIZATION OF DISTURBED SOILS

BY SEPTEMBER 15TH, ALL DISTURBED SOILS ON AREAS HAVING A SLOPE LESS THAN 15% SHALL BE SEEDED AND MULCHED. IF THE DISTURBED AREAS ARE NOT STABILIZED BY THIS DATE, THEN ONE OF THE FOLLOWING ACTIONS SHALL BE TAKEN TO STABILIZE THE SOIL FOR LATE FALL AND WINTER:

- STABILIZE THE SOIL WITH TEMPORARY VEGETATION** — BY OCTOBER 1ST, SEED THE DISTURBED SOIL WITH WINTER RYE AT A SEEDING RATE OF 3LBS PER 1,000 S.F., LIGHTLY MULCH THE SEEDED SOIL WITH HAY OR STRAW AT 75 LBS PER 1,000 S.F., AND ANCHOR THE MULCH WITH PLASTIC NETTING. MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR FAILS TO COVER AT LEAST 75% OF THE DISTURBED SOIL BEFORE NOVEMBER 1ST, THEN MULCH THE AREA FOR OVER-WINTER PROTECTION.
- STABILIZE THE SOIL WITH SOD** — STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOD BY OCTOBER 1ST. PROPER INSTALLATION INCLUDES PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL.
- STABILIZE THE SOIL WITH MULCH** — BY NOVEMBER 15TH, MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW AT A RATE OF AT LEAST 150 LBS PER 1,000 S.F. ON THE AREA SO THAT NO SOIL IS VISIBLE THROUGH THE MULCH. IMMEDIATELY AFTER APPLYING THE MULCH, ANCHOR THE MULCH WITH NETTING TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL.

4.6 OVER WINTER STABILIZATION OF DISTURBED SLOPES

ALL STONE-COVERED SLOPES SHALL BE CONSTRUCTED AND STABILIZED BY NOVEMBER 15TH. ALL SLOPES TO BE VEGETATED SHALL BE SEEDED AND MULCHED BY SEPTEMBER 15TH. A SLOPE IS CONSIDERED A GRADE GREATER THAN 15%. IF A SLOPE TO BE VEGETATED IS NOT STABILIZED BY SEPTEMBER 1ST, THEN ONE OF THE FOLLOWING ACTION SHALL BE TAKEN TO STABILIZE THE SLOPE FOR LATE FALL AND WINTER:

- STABILIZE THE SOIL WITH TEMPORARY VEGETATION AND EROSION CONTROL MATS** — BY OCTOBER 1ST THE DISTURBED SLOPE SHALL BE SEEDED WITH WINTER RYE AT A SEEDING RATE OF 3 LBS PER 1,000 S.F. AND THEN INSTALL EROSION CONTROL MATS OR ANCHORED MULCH OVER THE SEEDING. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR FAILS TO COVER AT LEAST 75% OF THE SLOPE BY NOVEMBER 1ST, THEN THE CONTRACTOR SHALL COVER THE SLOPE WITH A LAYER OF EROSION CONTROL MIX OR WITH STONE RIPRAP.
- STABILIZE THE SOIL WITH SOD** — THE DISTURBED SLOPE SHALL BE STABILIZED WITH PROPERLY INSTALLED SOD BY OCTOBER 1ST. PROPER INSTALLATION INCLUDES THE CONTRACTOR PINNING THE SOD ONTO THE SLOPE WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. THE CONTRACTOR SHALL NOT USE LATE-SEASON SOD INSTALLATION TO STABILIZE SLOPES HAVING A GRADE GREATER THAN 3H:1V OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.
- STABILIZE THE SOIL WITH EROSION CONTROL MIX** — EROSION CONTROL MIX SHALL BE PROPERLY INSTALLED BY NOVEMBER 15TH. THE CONTRACTOR SHALL NOT USE EROSION CONTROL MIX TO STABILIZE SLOPES HAVING GRADES GREATER THAN 2H:1V OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.
- STABILIZE THE SOIL WITH STONE RIPRAP** — PLACE A LAYER OF STONE RIPRAP ON THE SLOPE BY NOVEMBER 15TH. A REGISTERED PROFESSIONAL ENGINEER SHALL BE HIRED TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY ON THE SLOPE AND TO DESIGN A FILTER LAYER FOR UNDERNEATH THE RIPRAP.

5.0 INSPECTION AND MAINTENANCE

A PERSON WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL, INCLUDING THE STANDARDS AND CONDITIONS IN THE PERMIT, SHALL CONDUCT PERIODIC VISUAL INSPECTIONS OF INSTALLED EROSION CONTROL MEASURES. THE FREQUENCY OF INSPECTION SHALL OCCUR AT LEAST ONCE EVERY TWO WEEKS, AS WELL AS AFTER A "STORM EVENT". A "STORM EVENT" SHALL CONSIST OF RAIN WITHIN A 24 HOUR PERIOD. THE FOLLOWING EROSION AND SEDIMENT CONTROL — BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE INSPECTED IN THE MANNER AS DESCRIBED.

5.1 SEDIMENT BARRIERS

IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT — SCALE ACCORDINGLY

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ENTIRE AREA	Illuminance	Fc	0.35	10.6	0.0	N.A.	N.A.
FRONT PARKING	Illuminance	Fc	1.07	2.4	0.5	2.14	4.80
SIDE PARKING	Illuminance	Fc	1.08	1.9	0.5	2.16	3.80

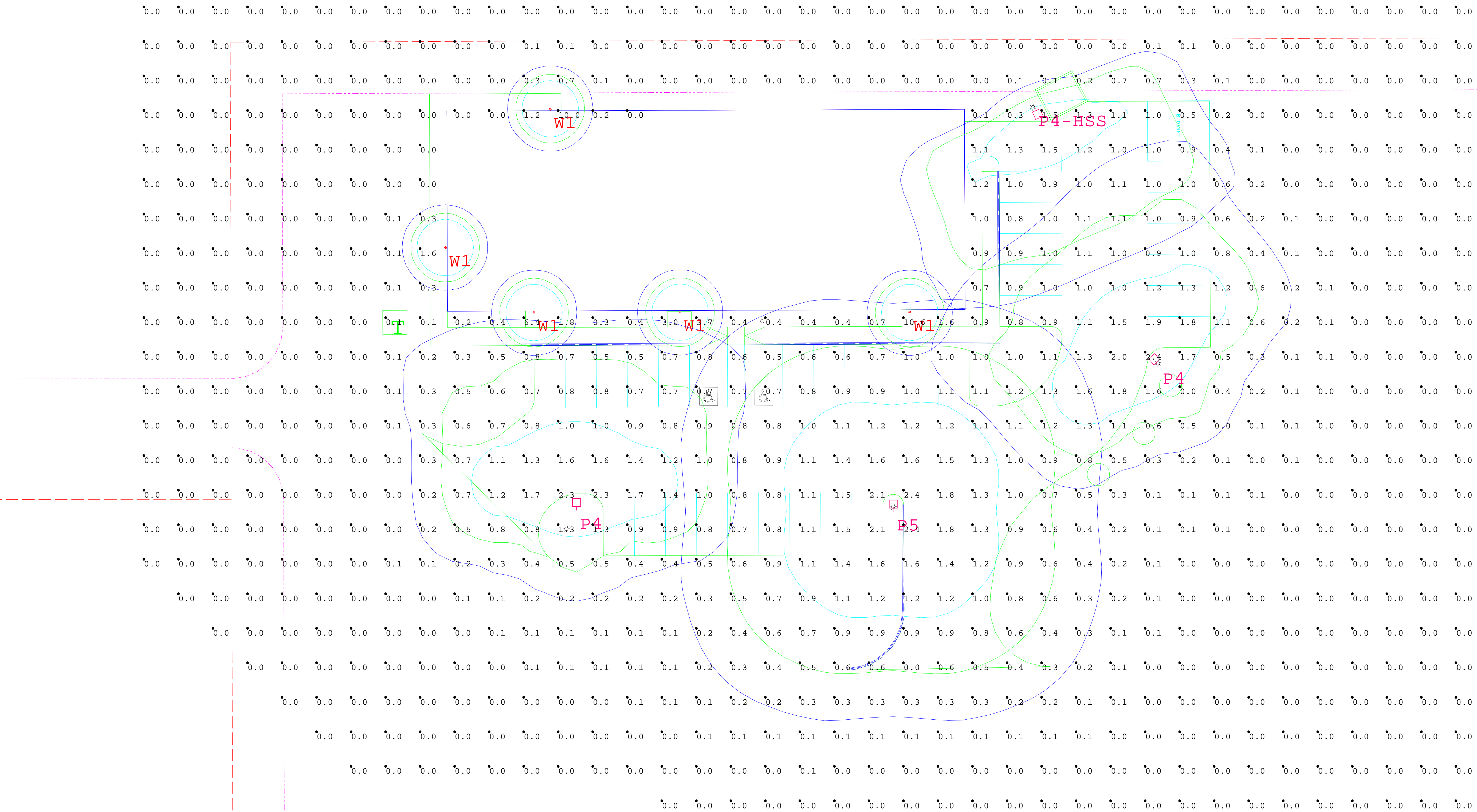
Luminaire Schedule									
Symbol	Qty	Label	Arrangement	Description	Tag	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
□	2	P4	Single	NLS: NV-1-T4-16L-1-30K7-VXX-ASA-CXX	MTD ON 20° NLS POLE: SSSP-20-48-110-9BC-SGL-CXX-3430	0.900	6232	55.5	111
□	1	P4-HSS	Single	NLS: NV-1-T4-16L-1-30K7-VXX-ASA-CXX-HSS	MTD ON 20° NLS POLE: SSSP-20-48-110-9BC-SGL-CXX-3430	0.900	3812	56	56
□	1	P5	Single	NLS: NV-1-T5-16L-1-30K7-VXX-ASA-CXX	MTD ON 20° NLS POLE: SSSP-20-48-110-9BC-SGL-CXX-3430	0.900	12190	106	106
⊙	5	W1	Single	WAC: WS-W2605-CXX	MOUNTED 9" AFG OVER EGRESS DOORS	0.900	1091	15.9358	79.679



#	Date	Comments

Revisions	

Drawn By: Michael O'Brien
 Checked By:
 Date: 2/20/2024
 Contact: mobrien@charroninc.com
 Scale: NTS



123 County Way
 Farmington, ME



65 NEWBURY STREET
 PORTLAND, ME 04101
 207.761.9000
 fax: 207.761.2010

BID SET

FRANKLIN COUNTY
 123 County Way
 FARMINGTON, MAINE

NOT FOR CONSTRUCTION

Date Issued April 12, 2024

Project Number 22418

Scale

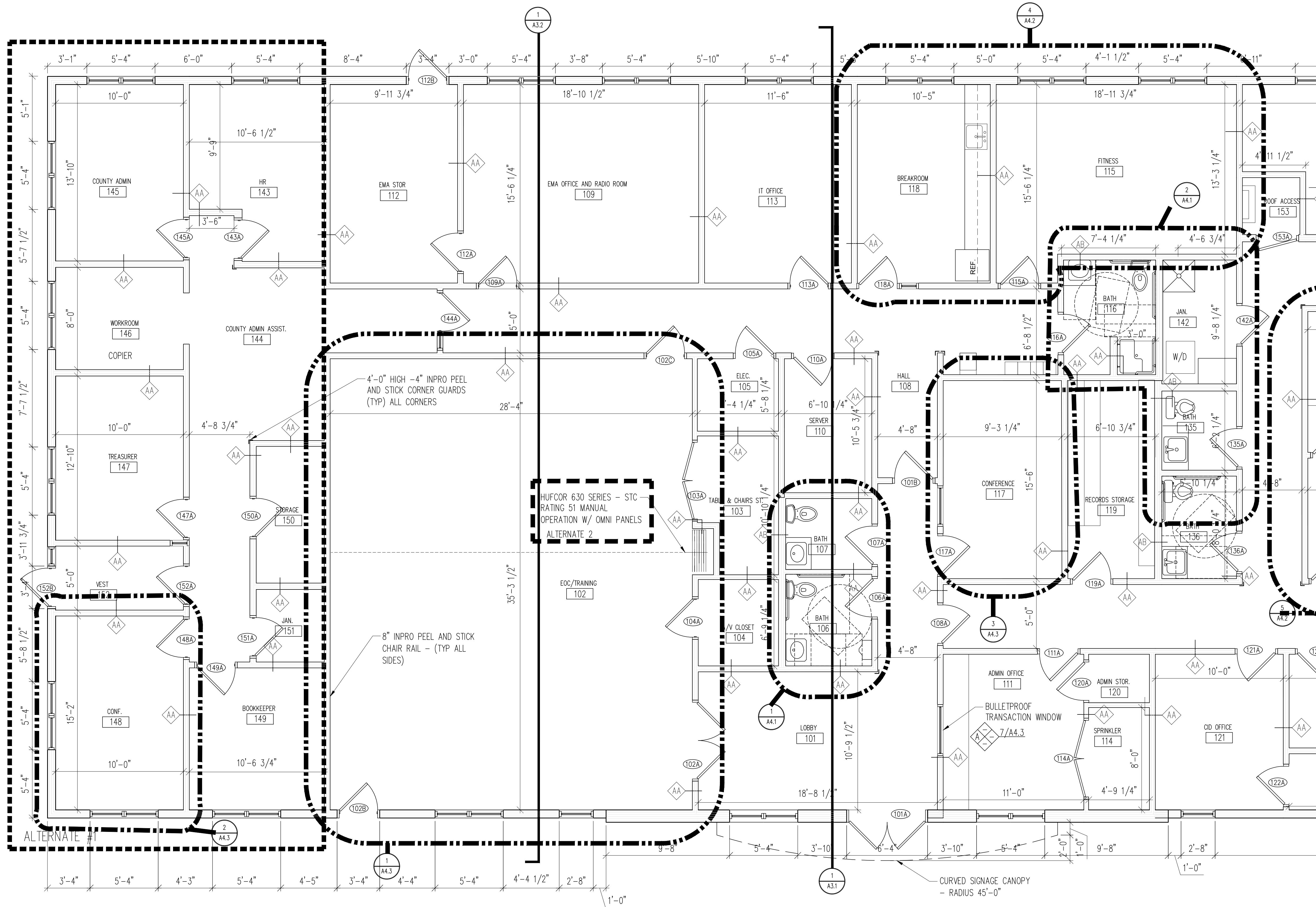
SHEET NAME

ENLARGED GROUND FLOOR PLAN

Drawn By
 MM, CR

Checked By
 LAS

A1.2



1 ENLARGED GROUND FLOOR PLAN
 SCALE: 1/4" = 1'-0"

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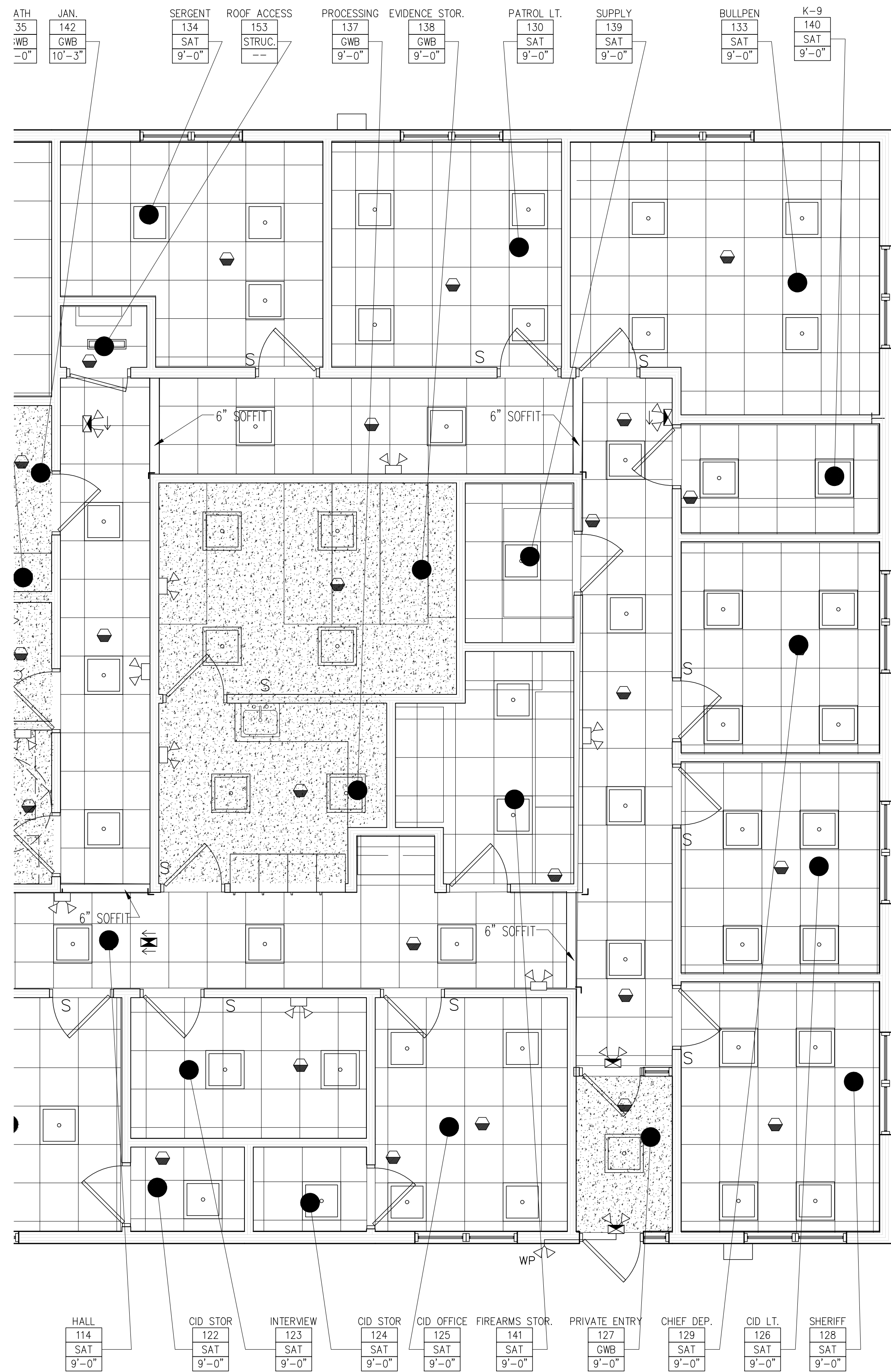
RCP

Drawn By
MM, CR

Checked By
LAS

A1.6

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

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SCALE 1"=1'

SCALE 3/4"=1'

SCALE 1/2"=1'

SCALE 1/4"=1'

SCALE 1/8"=1'

SCALE 1/16"=1'



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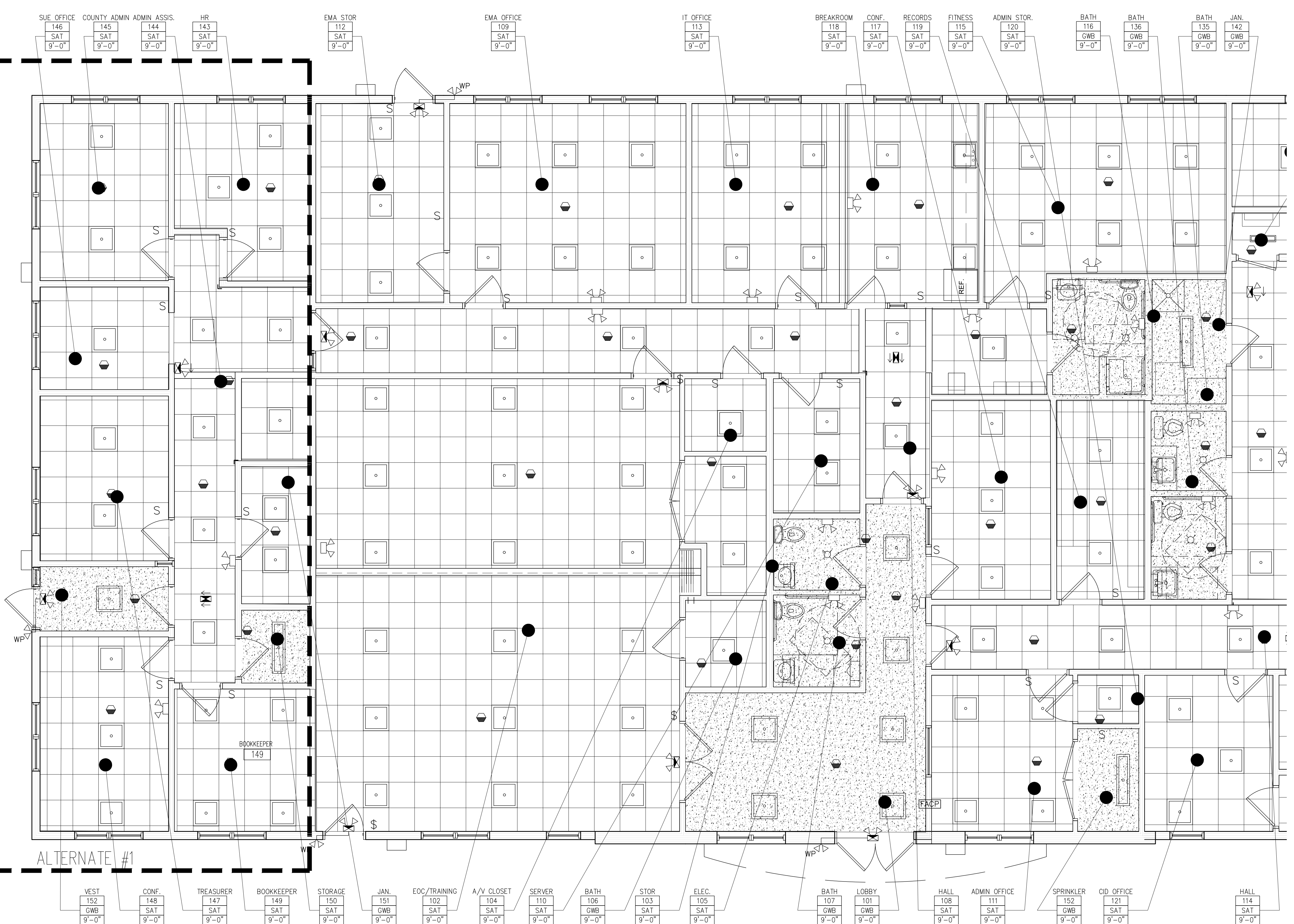
RCP

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Checked By
LAS

A1.7

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ALTERNATE #1

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

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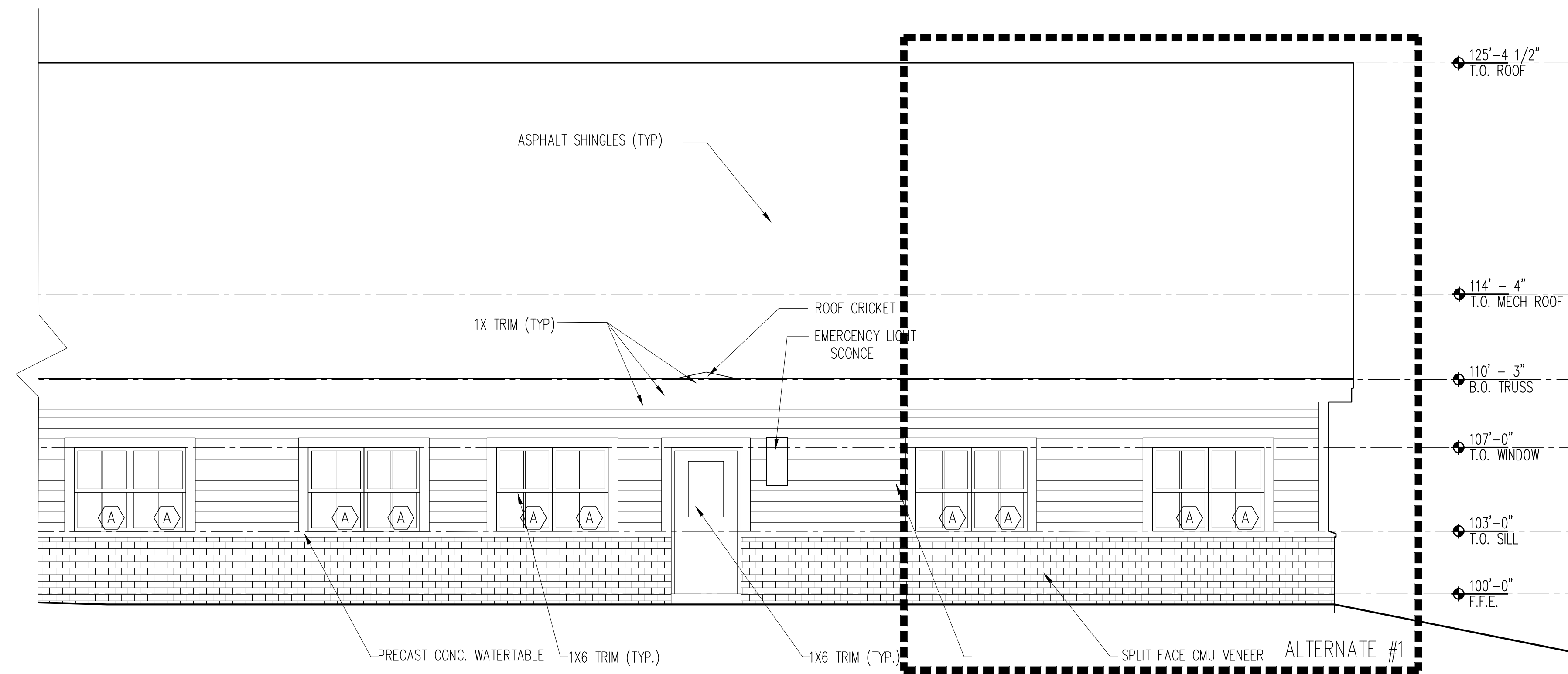
**EXTERIOR
ELEVATIONS**

Drawn By
MM, CR

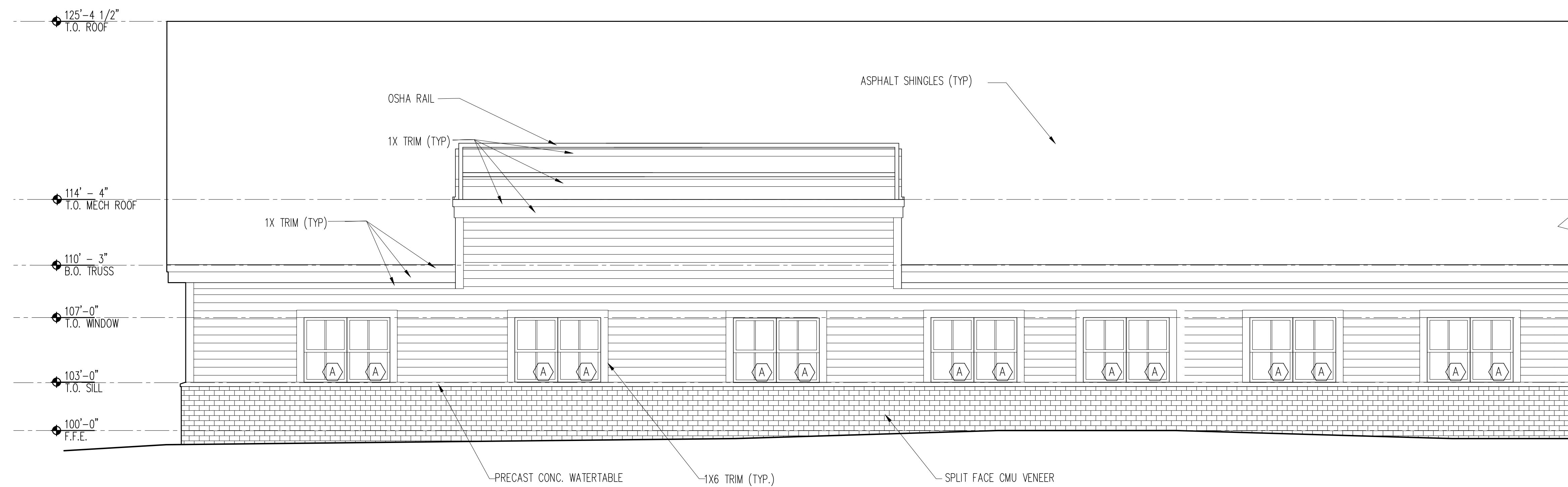
Checked By
LAS

A2.3

IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY



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



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



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SHEET NAME

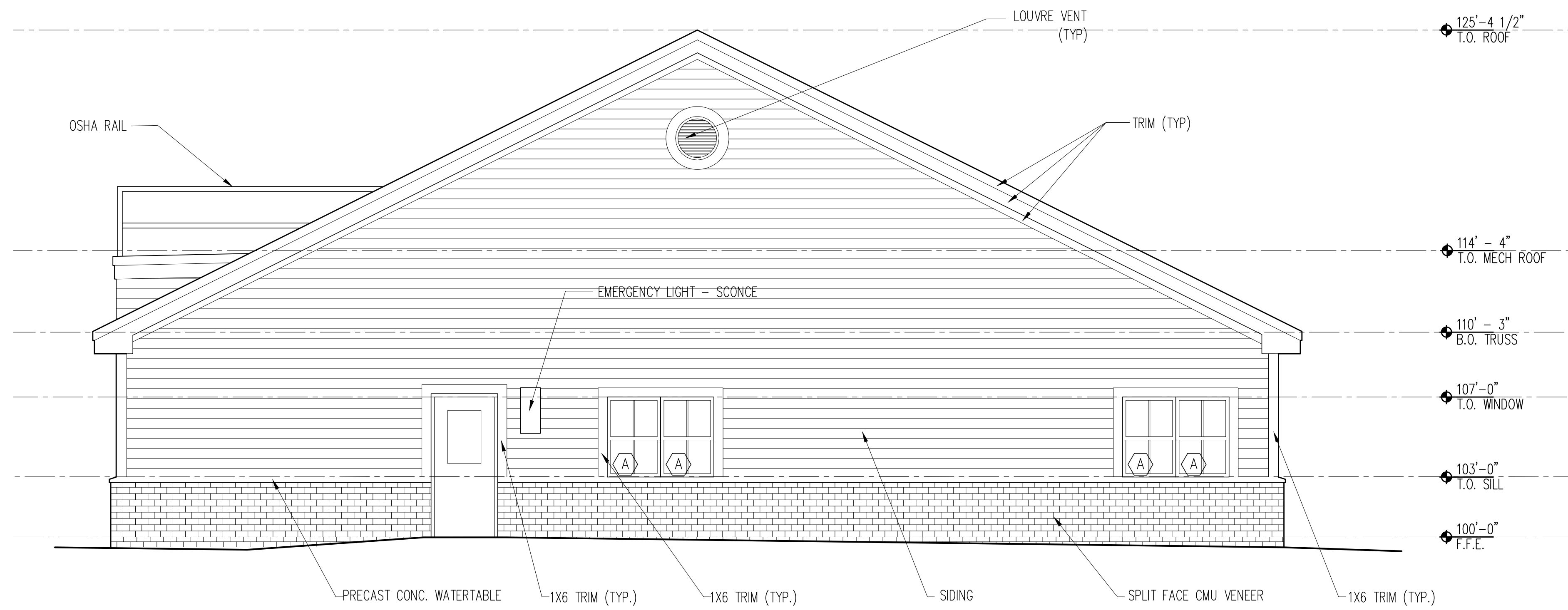
EXTERIOR ELEVATIONS

Drawn By
 MM,CR

Checked By
 LAS

A2.4

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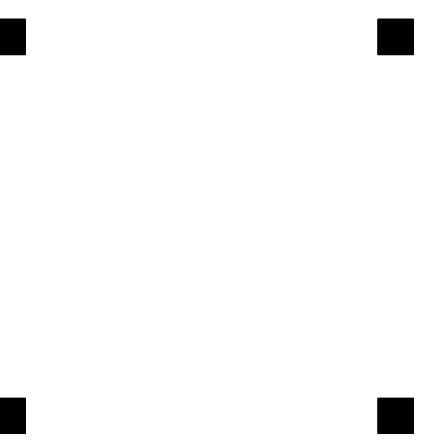


2 WEST ELEVATION W/O ALTERNATE
 SCALE: 1/4" = 1'-0"



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

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Project Number 22418

Scale

SHEET NAME

SECTIONS

Drawn By

MM, CR

Checked By

LAS

A3.2

IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY

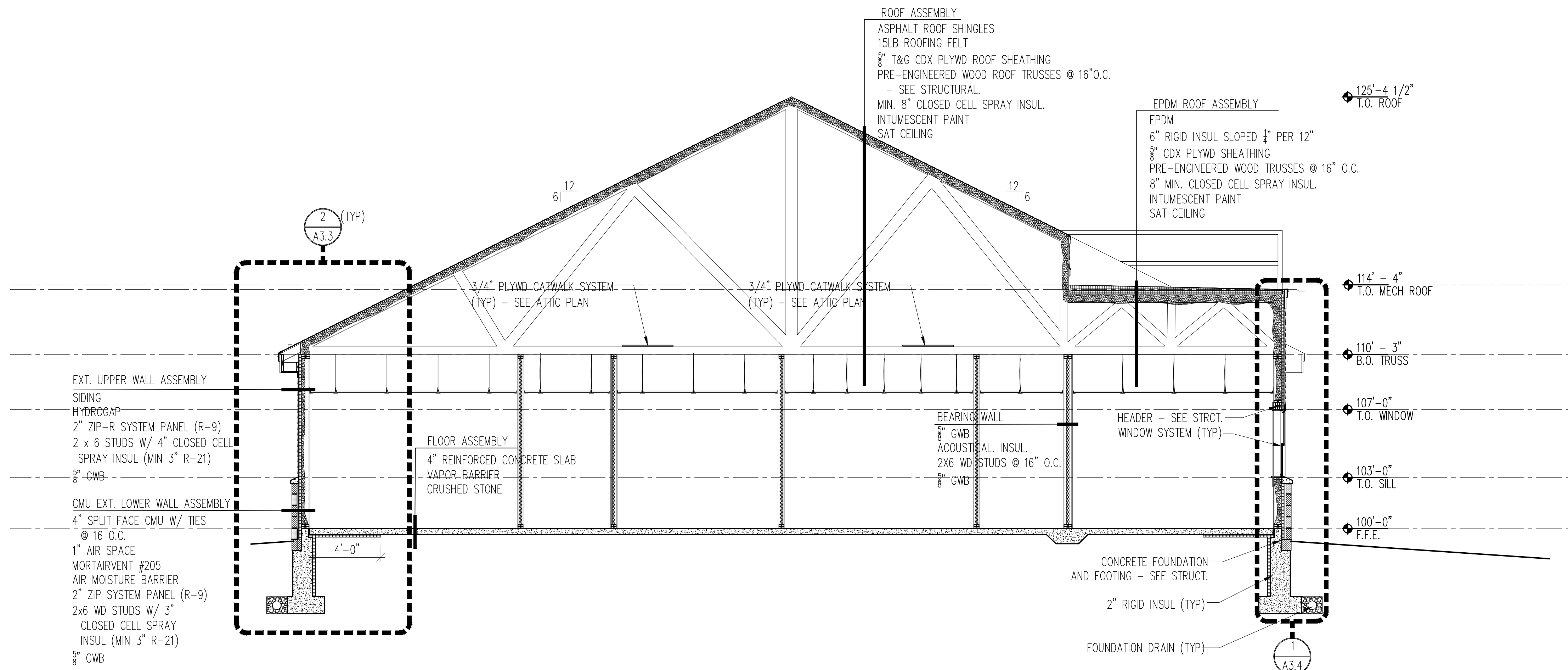
3
2
1
0
SCALE 1"=1'

4
3
2
1
0
SCALE 3/4"=1'

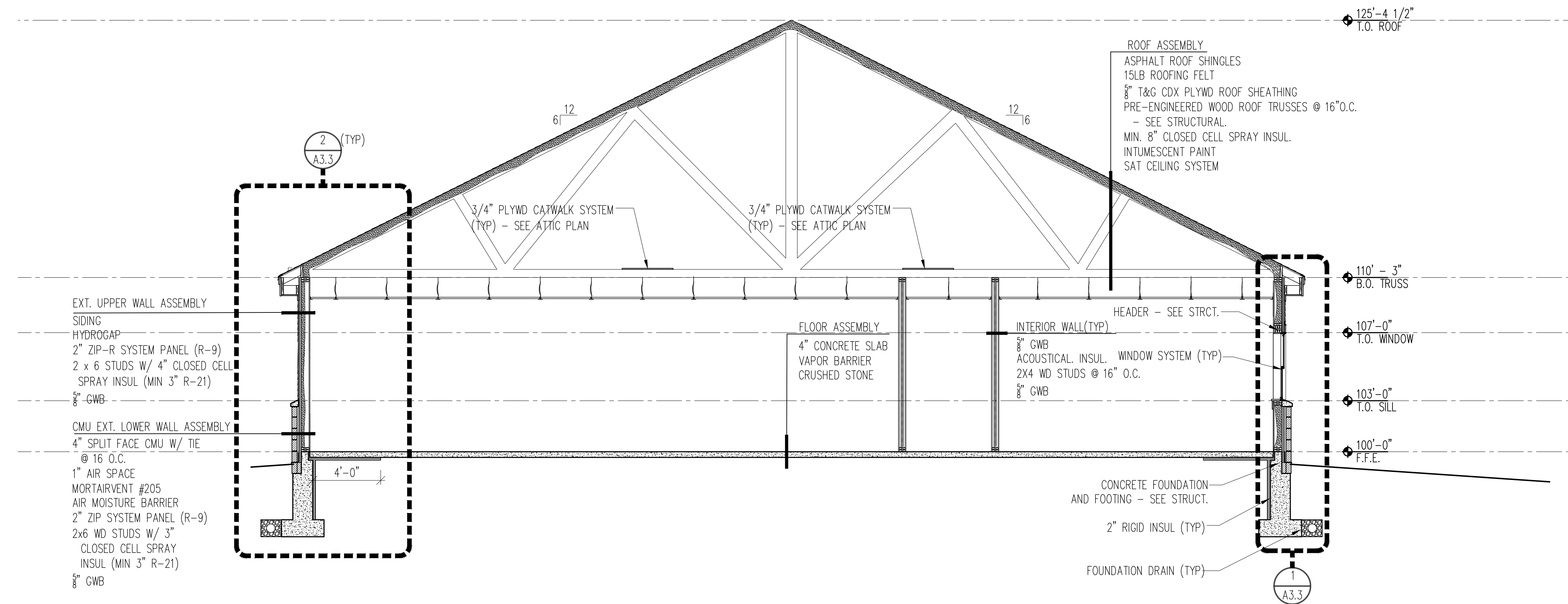
6
5
4
3
2
1
0
SCALE 1/2"=1'

12
10
8
6
4
2
0
SCALE 1/4"=1'

20
10
0
SCALE 1/16"=1'

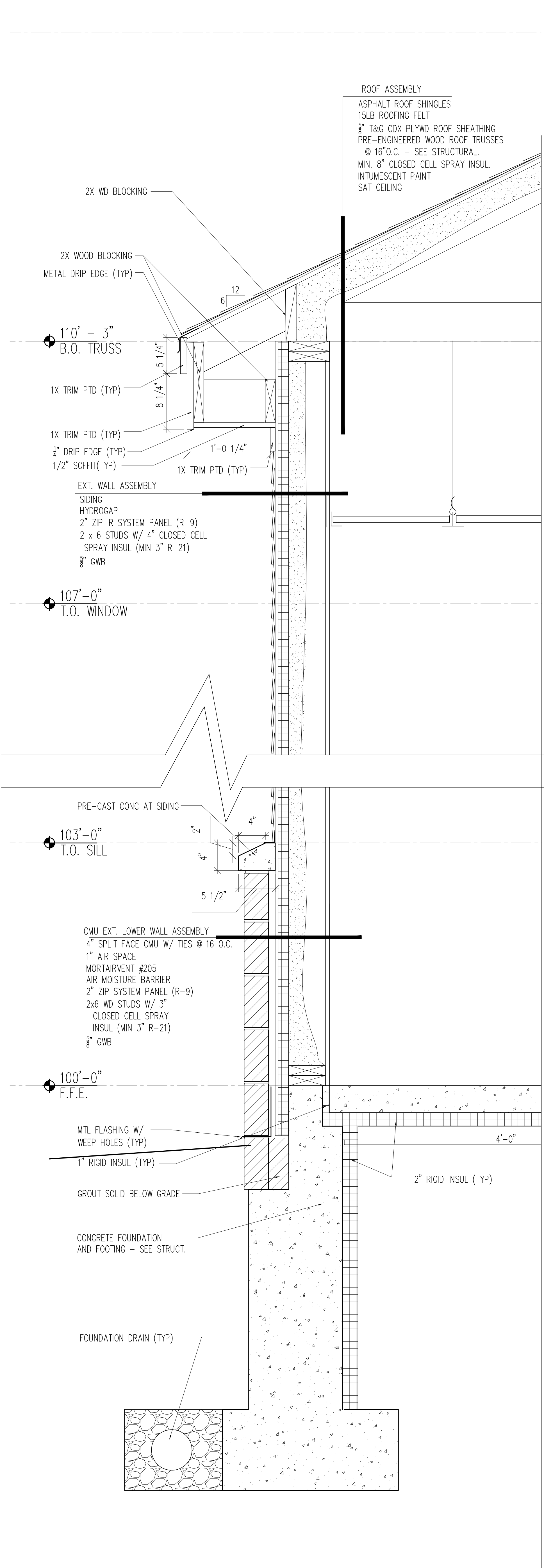


2 SECTION AT MECH ROOFTOP
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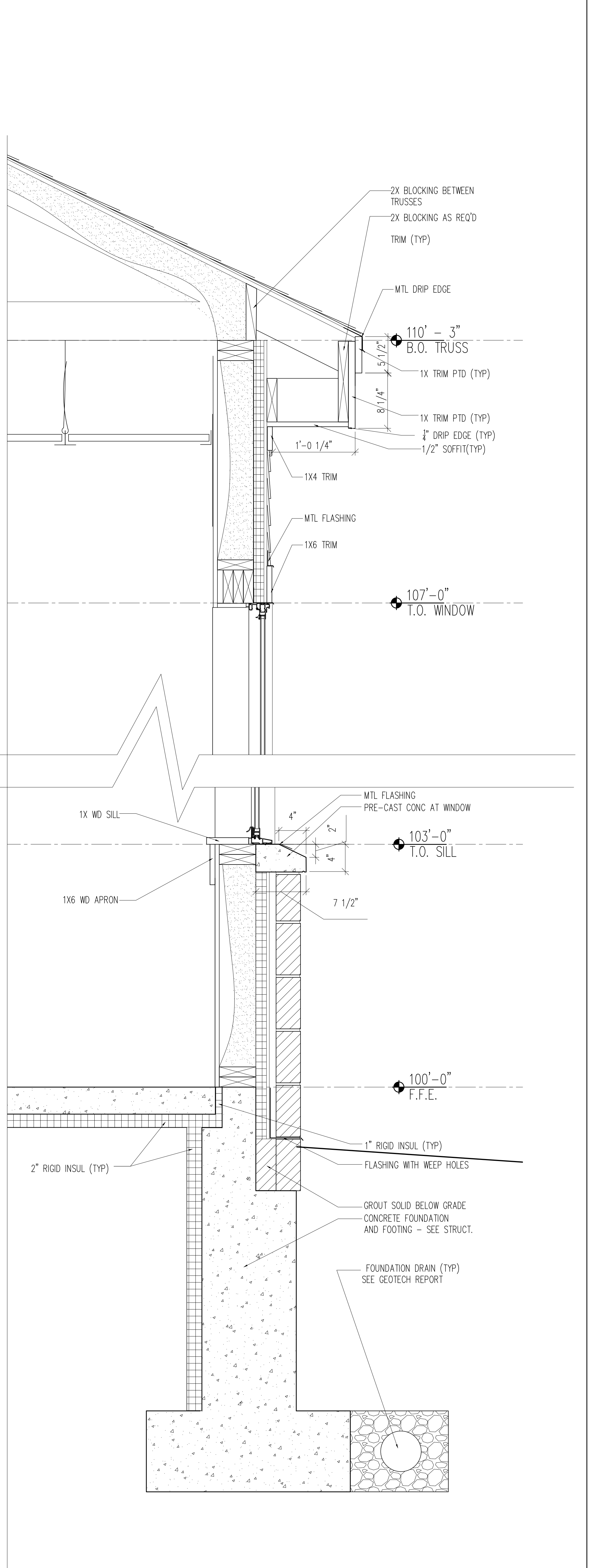


1 TYPICAL BUILDING SECTION
 SCALE: 1/4" = 1'-0"

NOT FOR CONSTRUCTION



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



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

NOT FOR CONSTRUCTION

BID SET

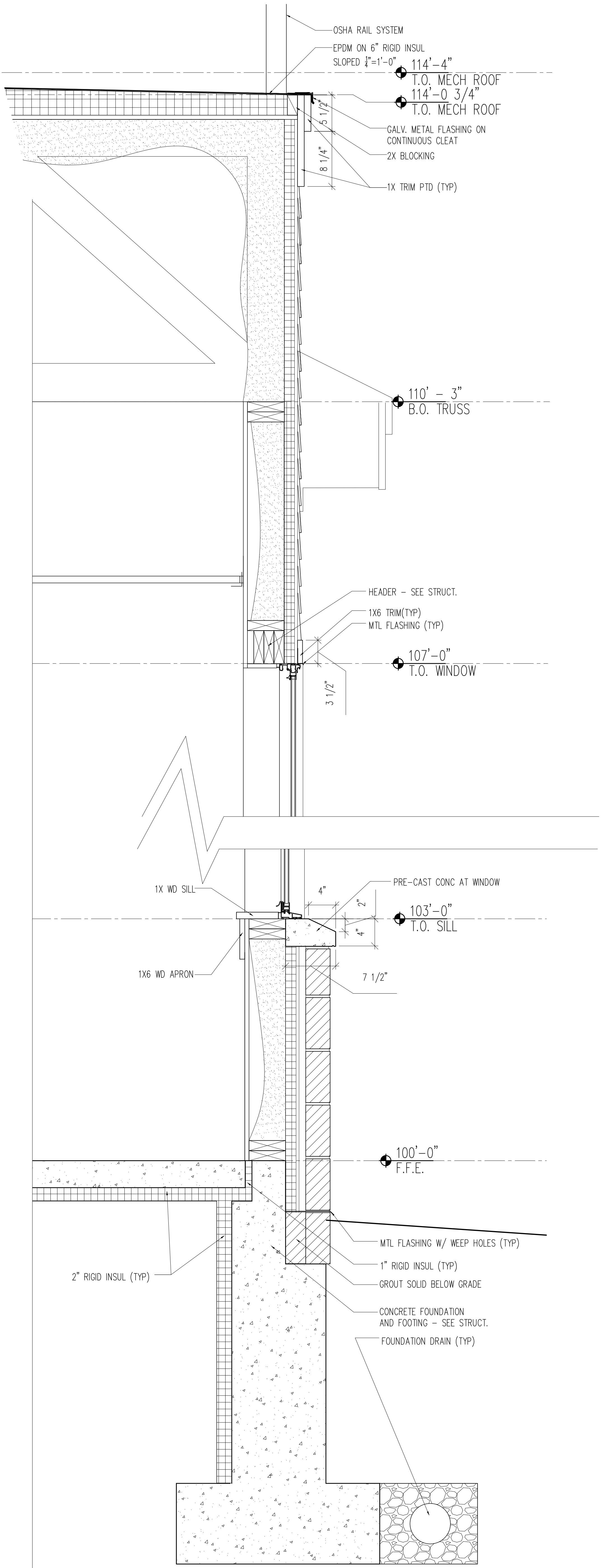
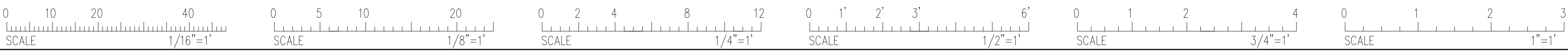
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WALL SECTIONS

A3.3

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1 WALL SECTION
 0 0'-8" SCALE: 1 1/2" = 1'-0"

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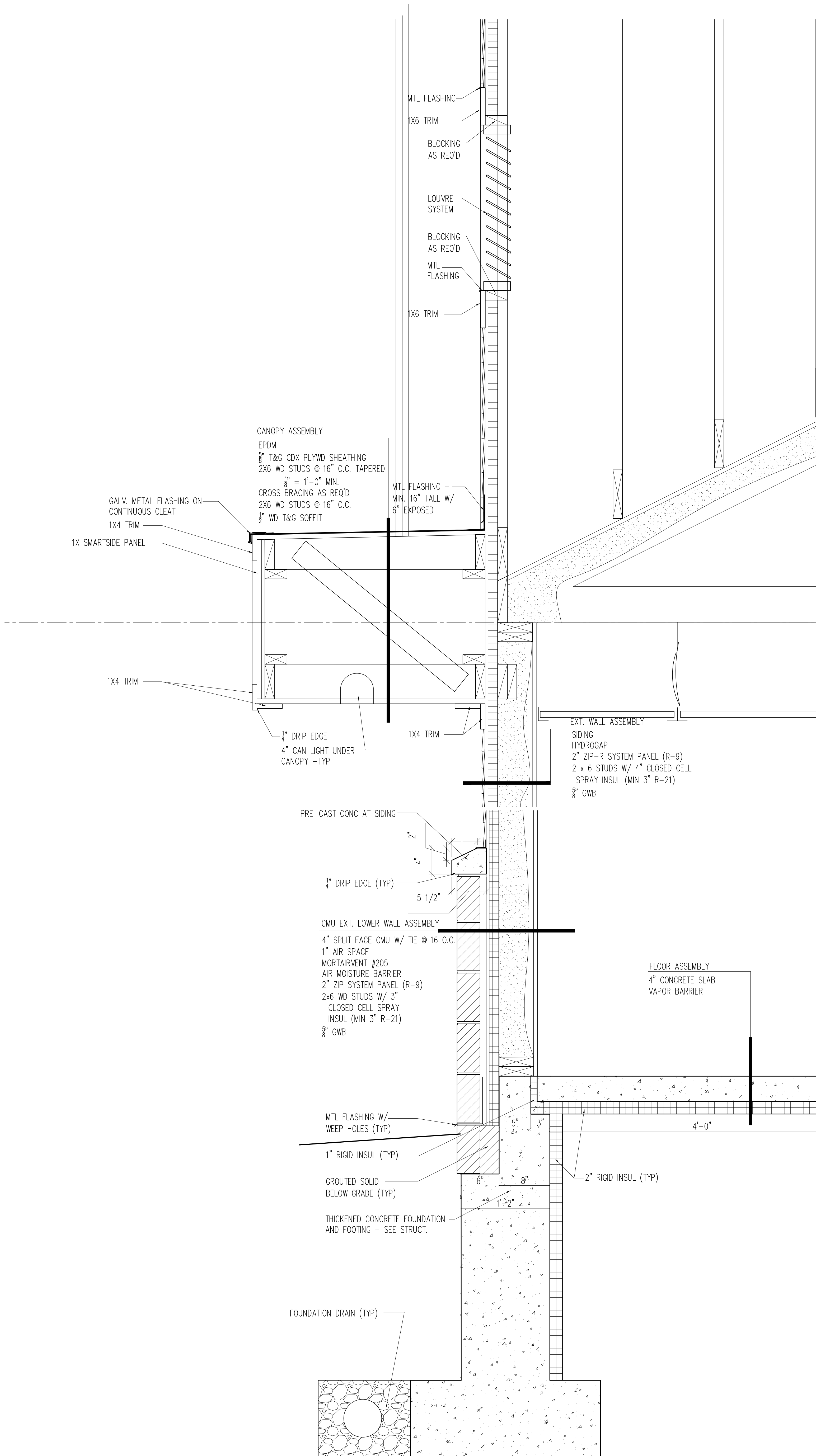
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Drawn By	MM,CR
Checked By	LAS
A3.4	
WALL SECTIONS	
Date Issued	April 12, 2024
Project Number	22418
Scale	SHEET NAME

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1 WALL SECTION AT FRONT CANOPY
SCALE: 1 1/2" = 1'-0"

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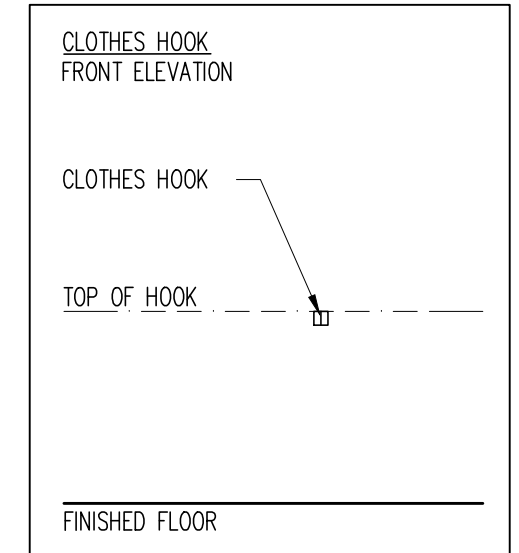
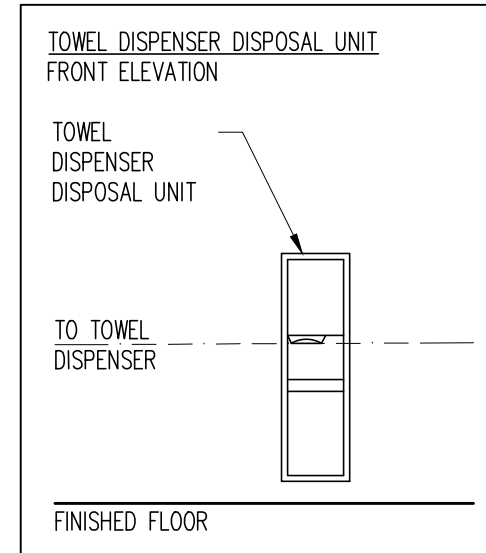
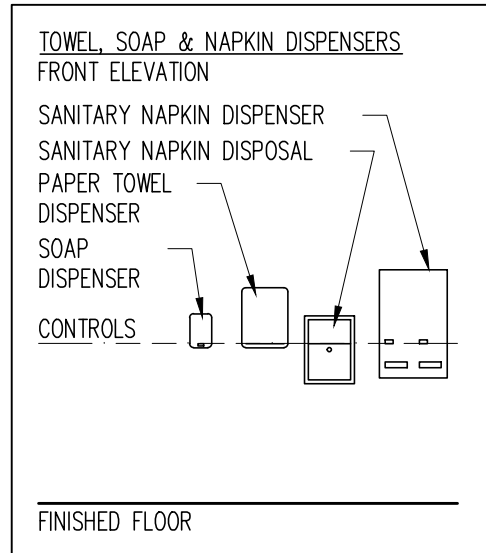
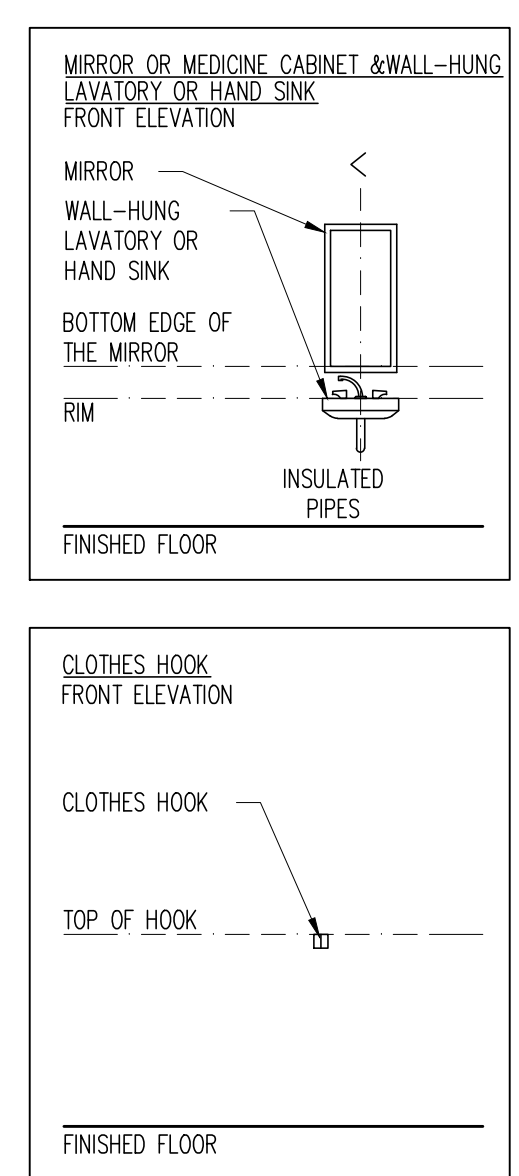
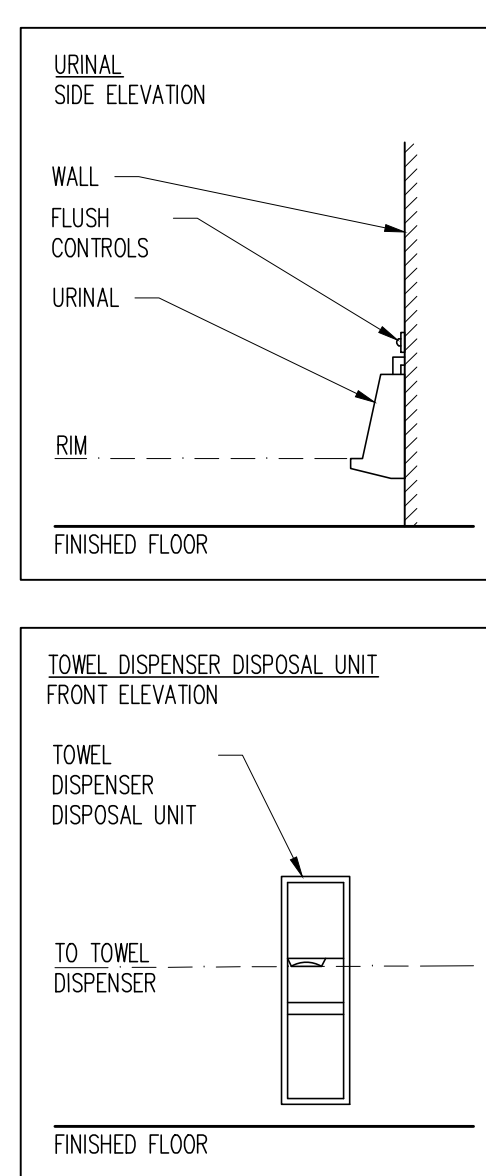
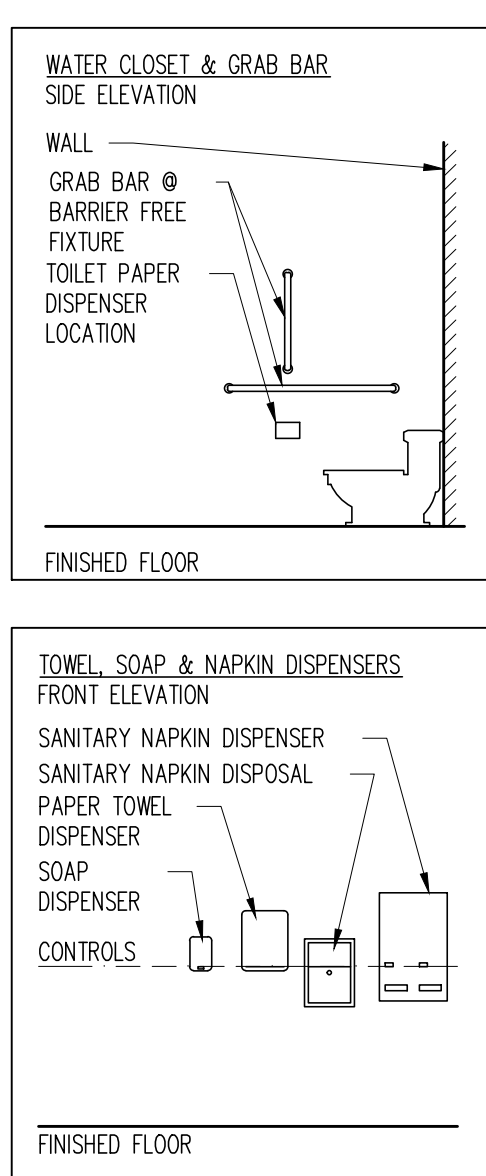
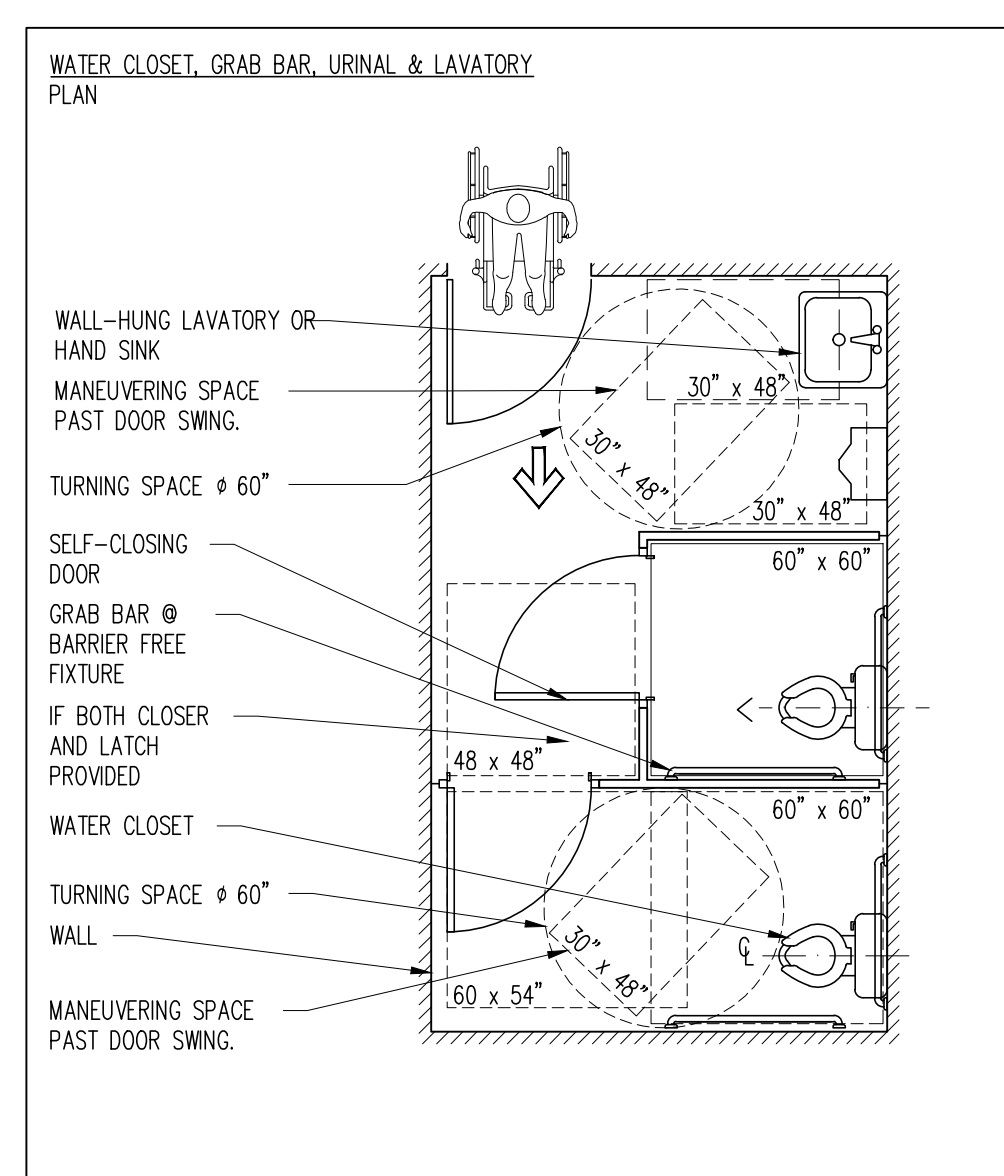
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Checked By	LAS
Scale	
Project Number	22418
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WALL SECTIONS	

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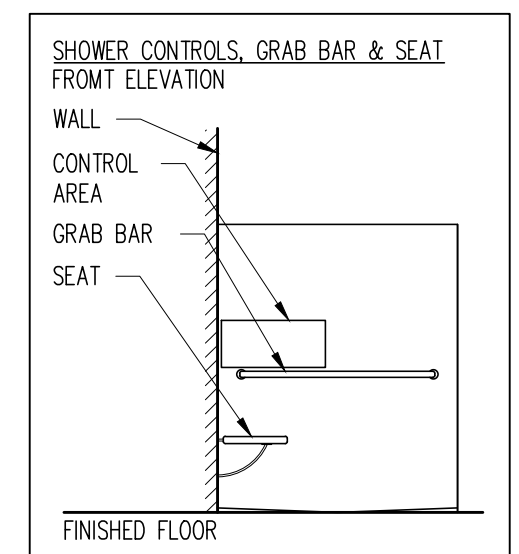
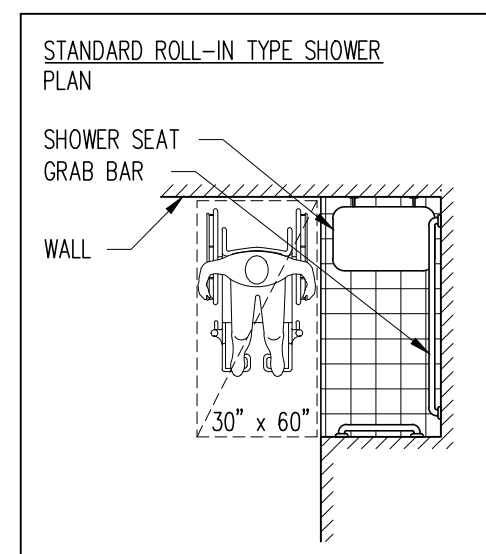
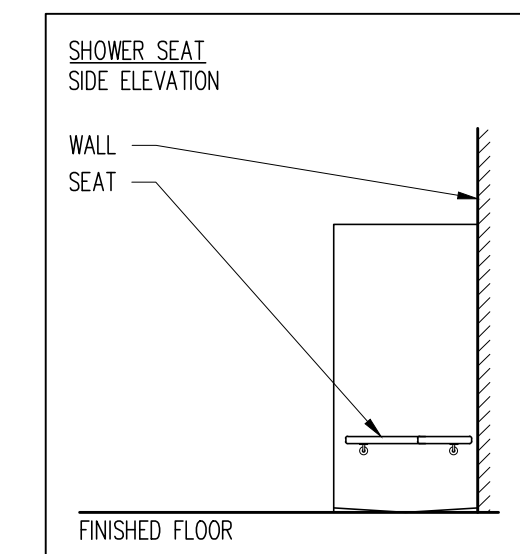
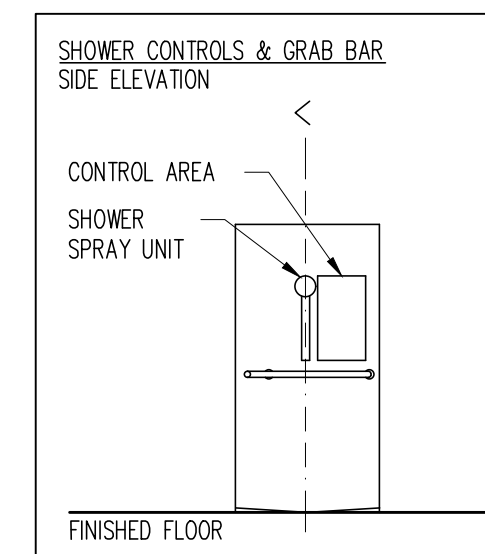
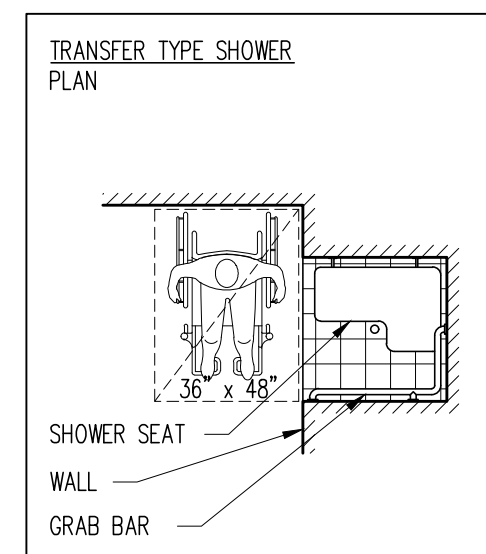


BATHROOM ACCESSORIES SCHEDULE

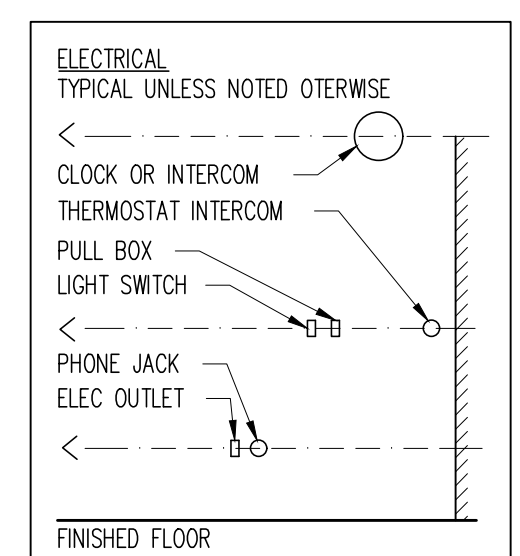
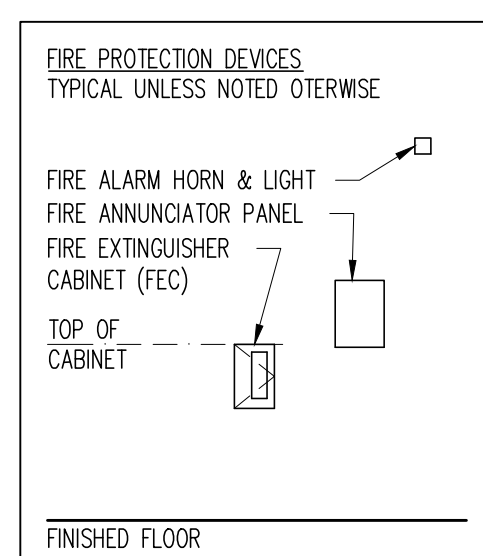
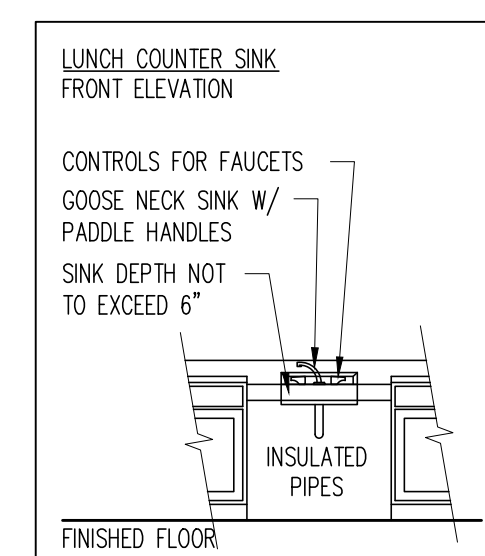
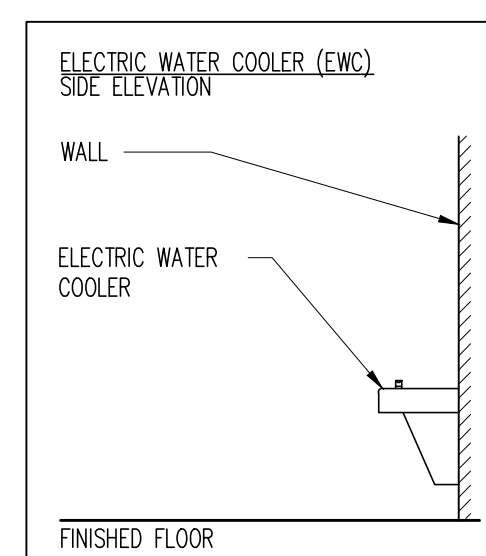
NUM	ITEM	MOUNTING HEIGHT
(A)	3'-6" 1 1/2" DIA GRAB BAR w/ PENNED GRIPS	4" @ 2'-10" AFF
(B)	3'-0" 1 1/2" DIA GRAB BAR w/ PENNED GRIPS	4" @ 2'-10" AFF
(C)	TOILET PAPER DISPENSERS - FBO/IBC	4" @ 20" AFF
(D)	TILT MIRRORS, EQ. TO 24" x 30" BOBRICK #B-165	BOTTOM @ 40" AFF (MAX)
(E)	ADA LAVATORY PIPE GUARDS	-
(F)	ROBE HOOKS EQ. TO BOBRICK #B-2116	TOP OF HOOK @ 5'-6"
(G)	SOAP DISPENSER	DISPENSER @ 48" (MAX)
(H)	PAPER TOWEL DISPENSER	DISPENSER @ 48" (MAX)
(J)	2'-4" 1 1/2" DIA GRAB BAR	@ 3'-6" AFF AT 90 DEGREES

- NOTES:
- ALL FIXTURES TO BE ADA ACCESSIBLE FIXTURES.
 - ALL COUNTERTOPS TO BE SOLID SURFACE W/ INTEGRAL BOWL LAVATORY, FRONT APRON, SIDE SUPPORT, AND 4" BACKSPASH. COLOR BY ARCH FROM MANUF FULL RANGE.
 - WALL TILE IN ALL RESTROOMS TO BE 4" x 4" W/ BULLNOSE TOP AND COVE BASE.
 - PROVIDE MOP CLIP SYSTEM AT ALL JANITOR SINKS
 - GROUT SHOWER BASE SOLID

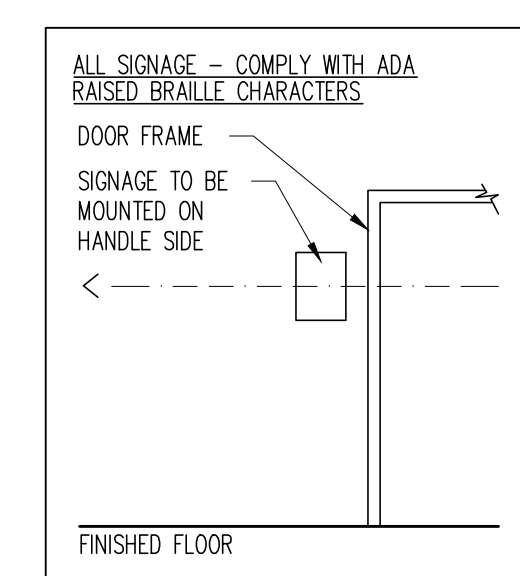
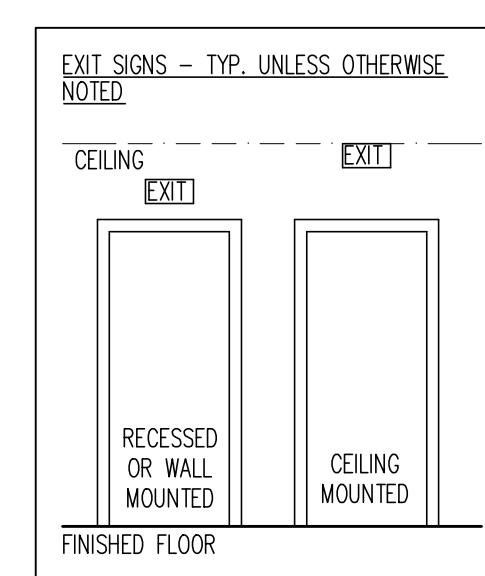
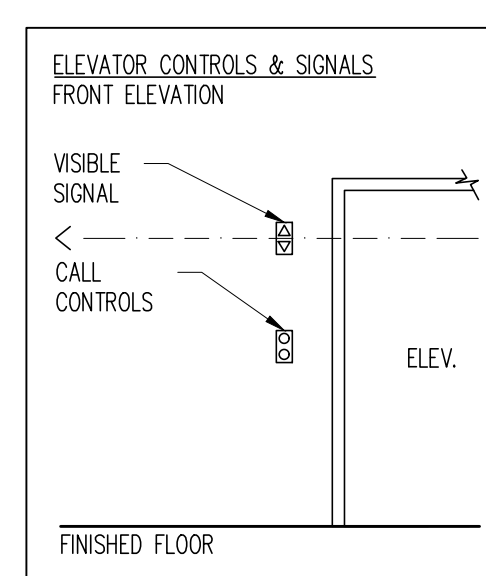
RESTROOM



SHOWERS



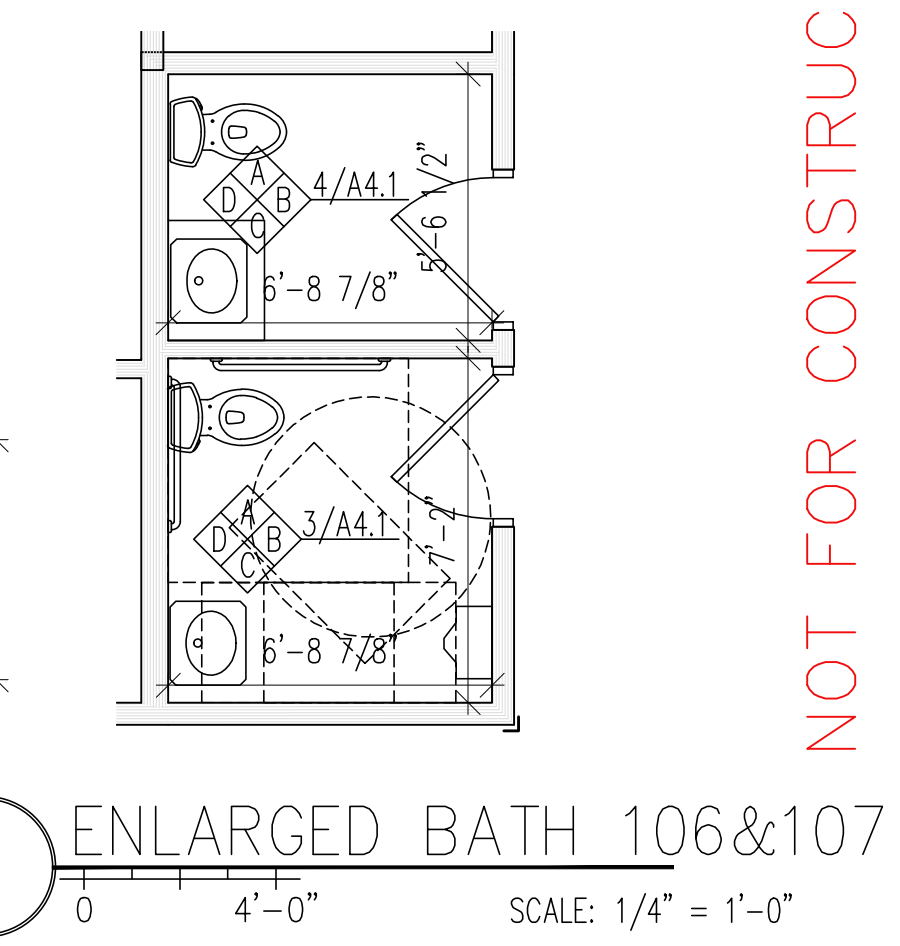
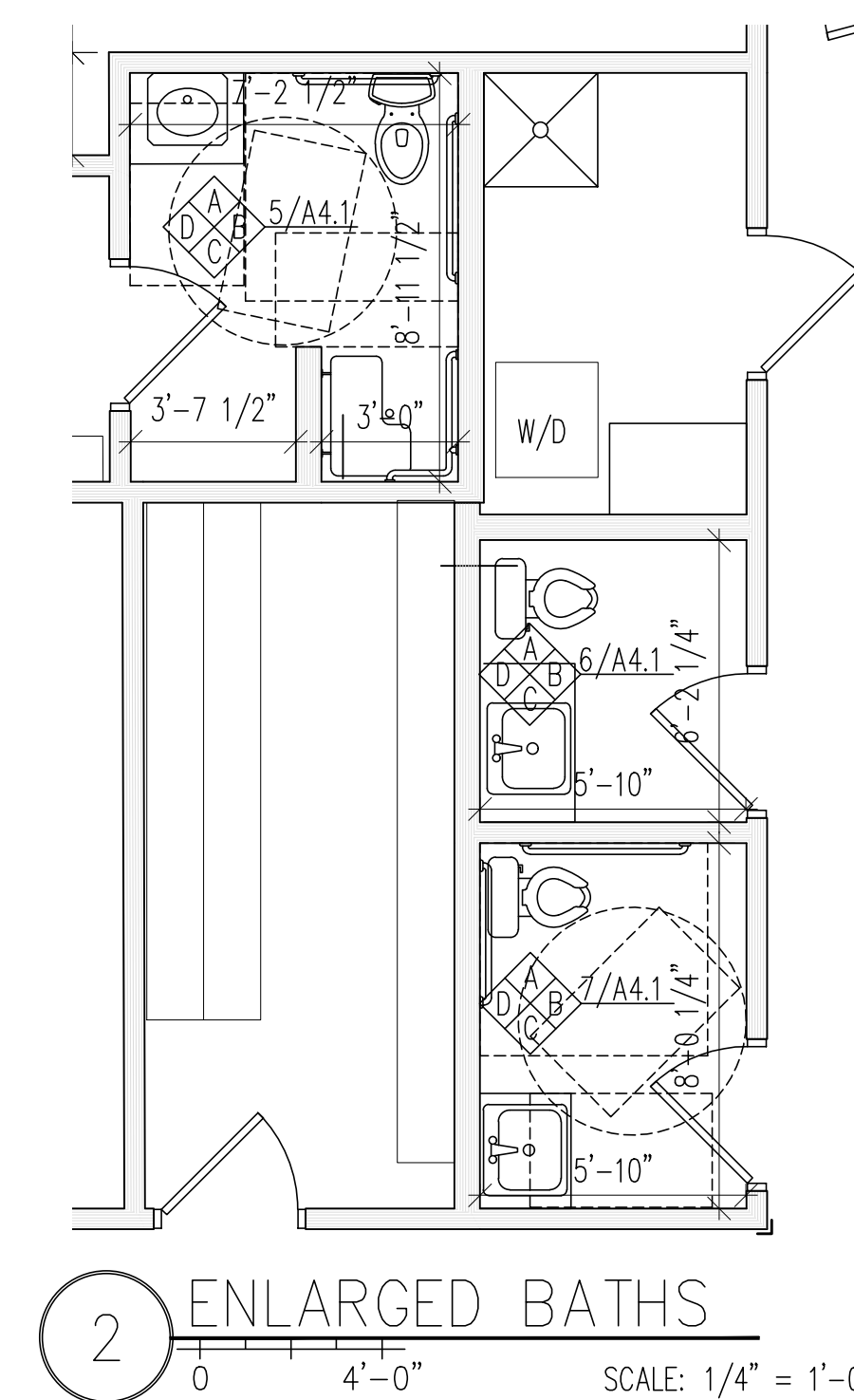
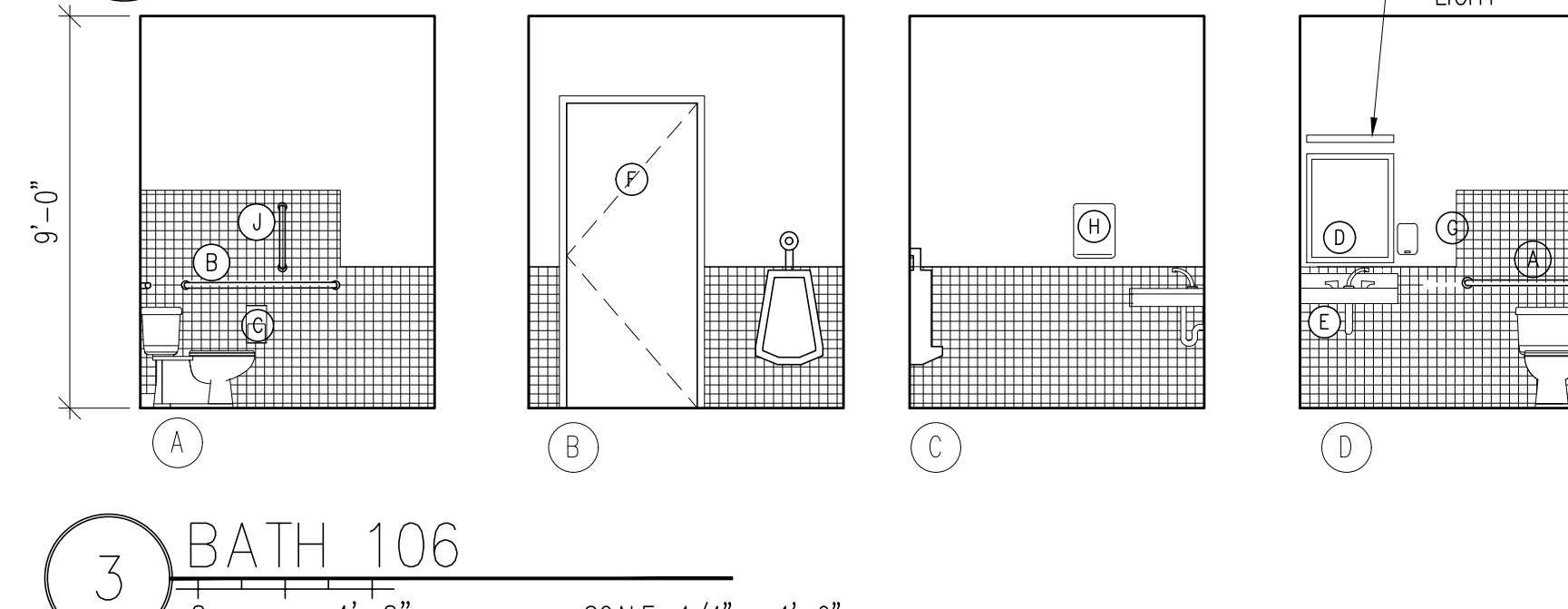
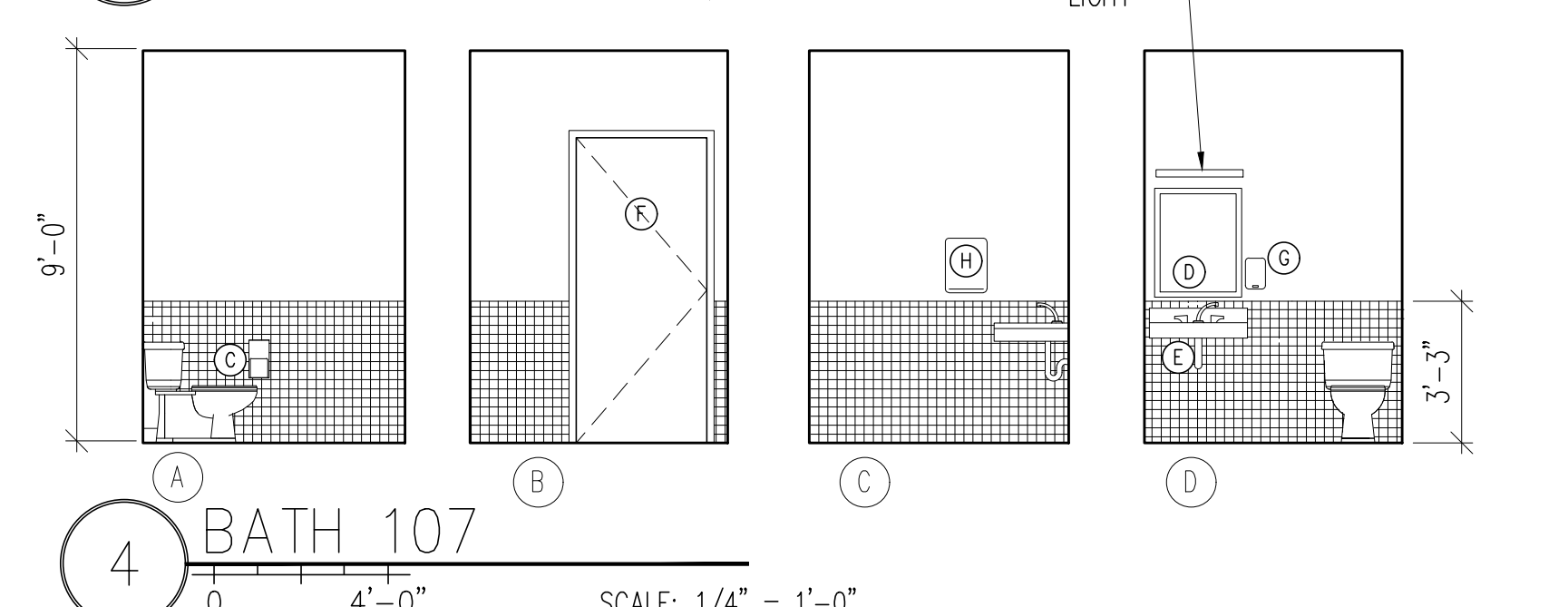
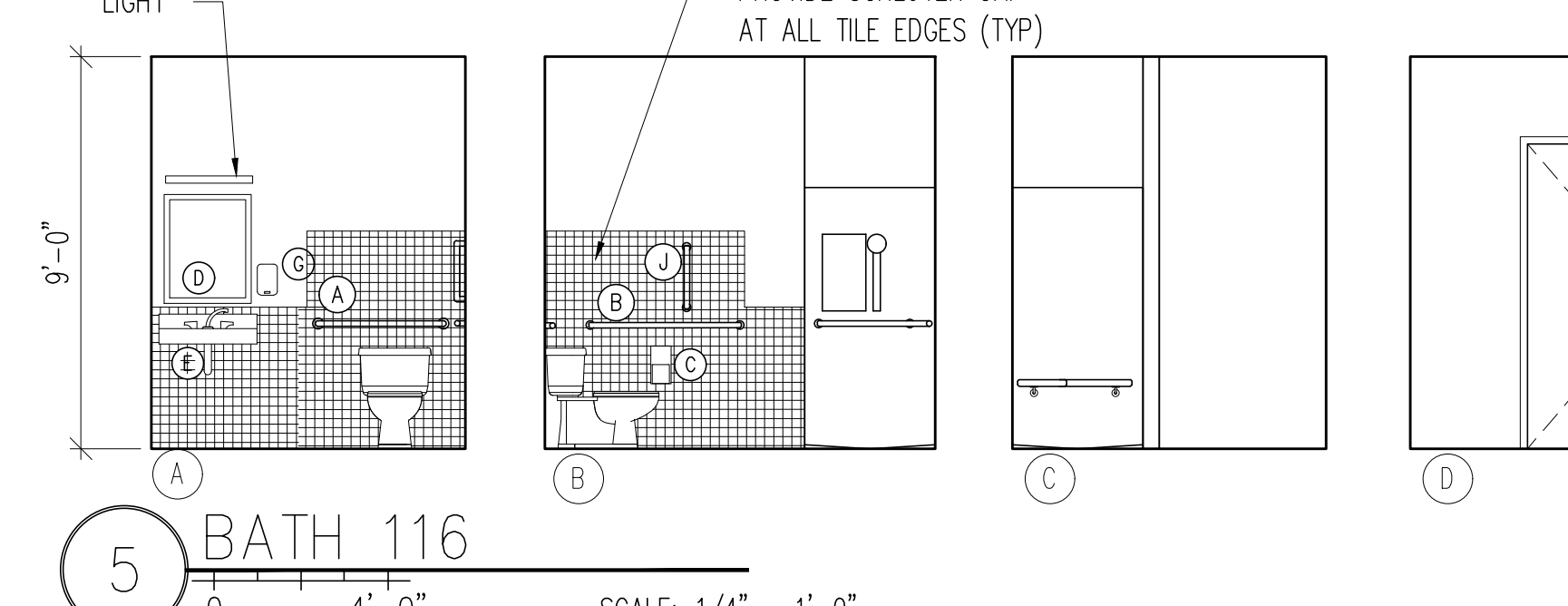
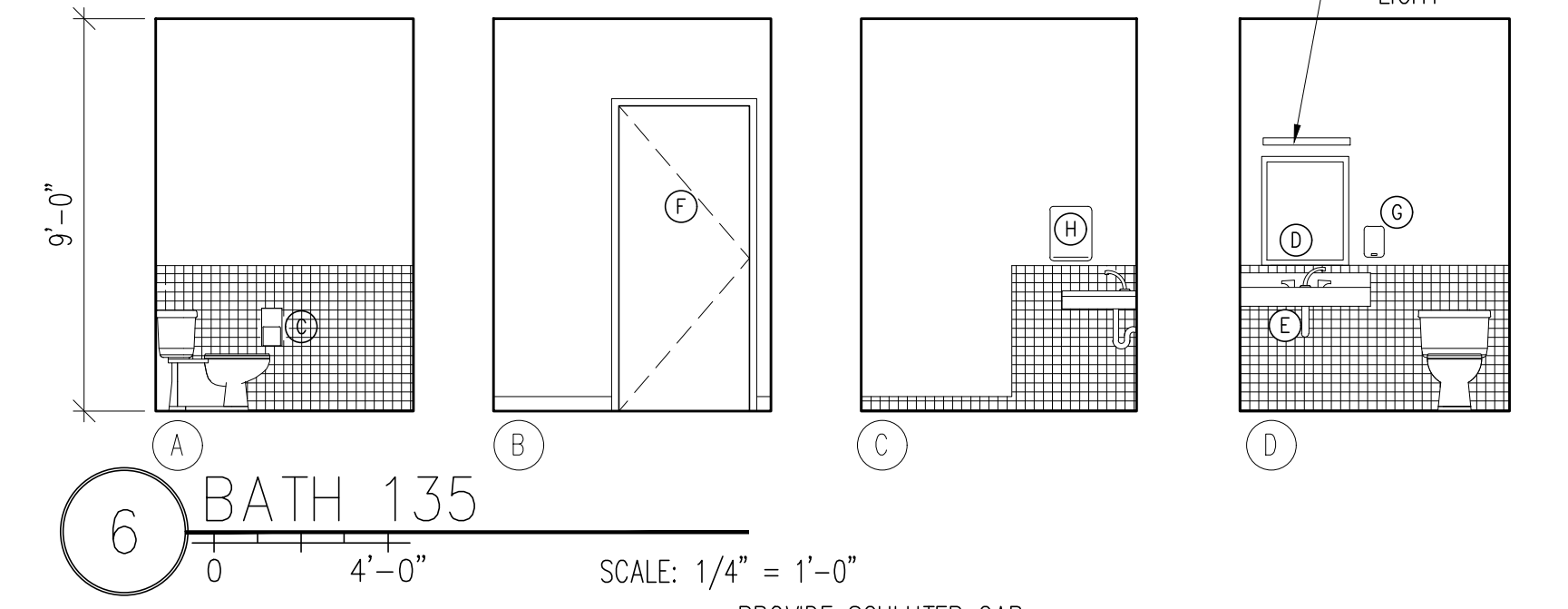
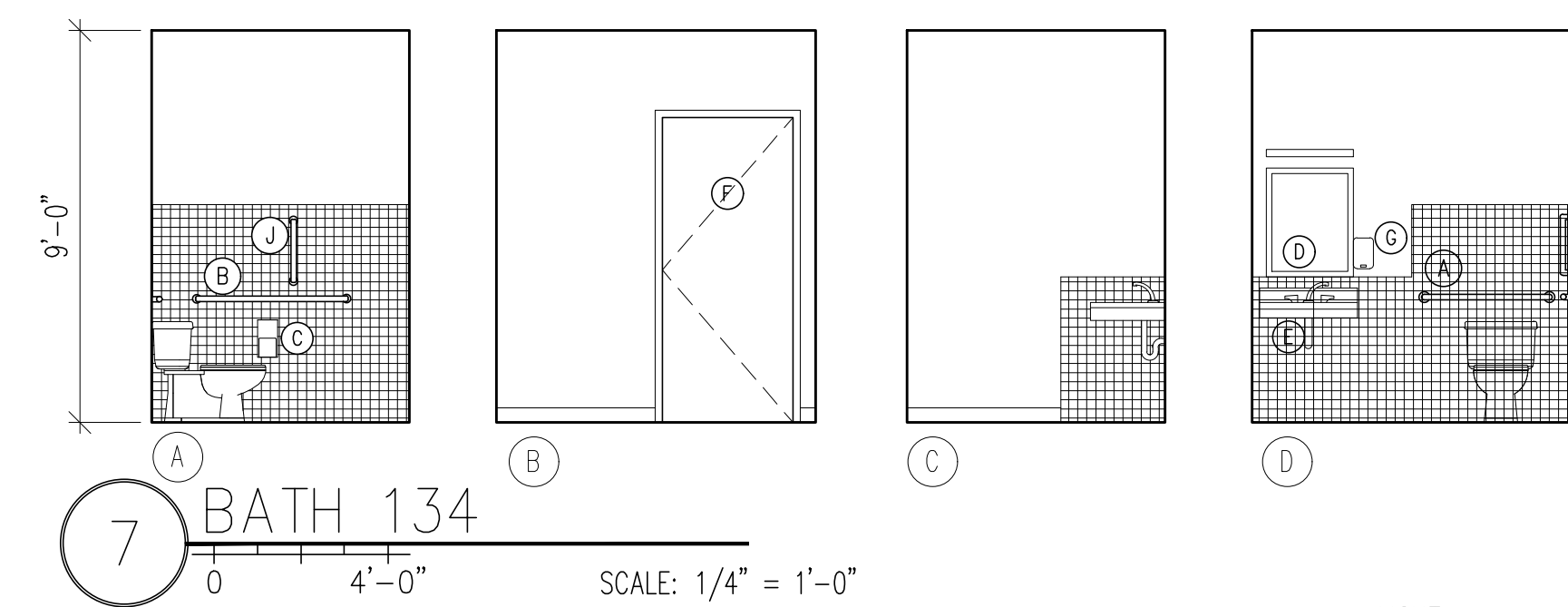
WATER FOUNTAIN & SINK



- LEGEND:
- (S) STANDARD MOUNTING HEIGHT
 - (BF) BARRIER FREE ADULT MOUNTING HEIGHT
 - INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS
 - INTERNATIONAL SYMBOL OF ACCESSIBILITY
 - BOUNDARY OF CLEAR FLOOR SPACE OR MANEUVERING CLEARANCE
 - C CENTERLINE
 - DIRECTION OF TRAVEL OR APPROACH
 - WALL
- NOTES:
- MOUNT ALL FIXTURES AT STANDARD MOUNTING HEIGHT UNLESS INDICATED ON PLAN BY A (S) SYMBOL. A (BF) SYMBOL AT ANY ROOM SHALL INCLUDE ONE OF ANY FIXTURE AND ACCESSORY WITHIN THE ROOM.
 - ALL SINKS TO HAVE ADA LEVER HANDLES.
 - WRAP ALL EXPOSED PIPES BELOW SINKS. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES/SINKS SHALL BE CONFIGURED TO PROTECT AGAINST CONTACT.
 - FIRE EXTINGUISHER CABINET - CONTRACTOR TO CONFIRM W/ LOCAL JURISDICTION

SIGNAGE

TYP BARRIER FREE REQUIREMENTS



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Project Number 22418
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SHEET NAME
INTERIOR ELEVATIONS
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Checked By LAS

A4.1

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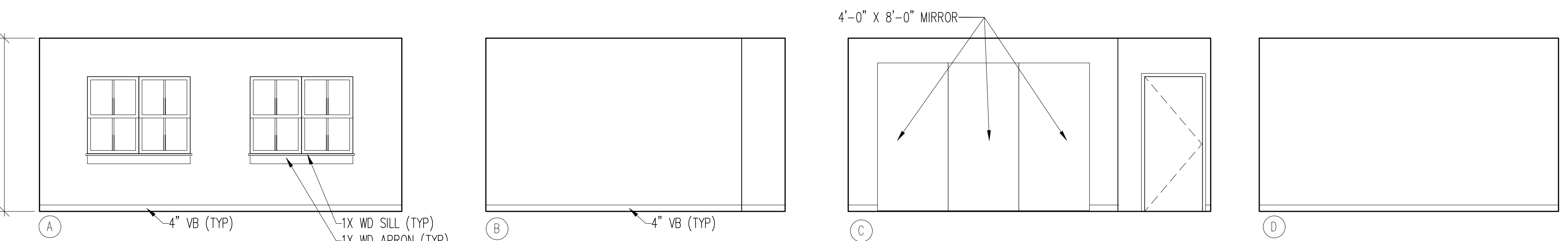
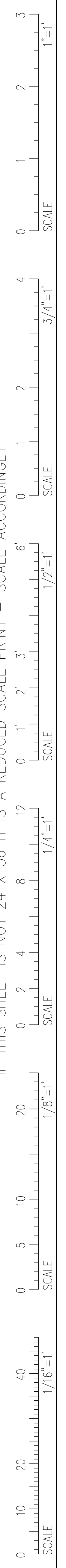
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Date Issued April 12, 2024
 Project Number 22418
 Scale

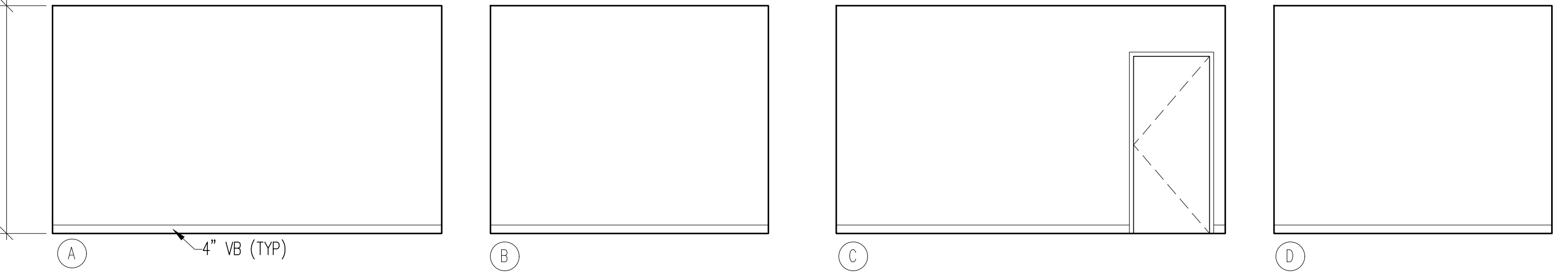
SHEET NAME
INTERIOR ELEVATIONS
 Drawn By MM, CR
 Checked By LAS

A4.2

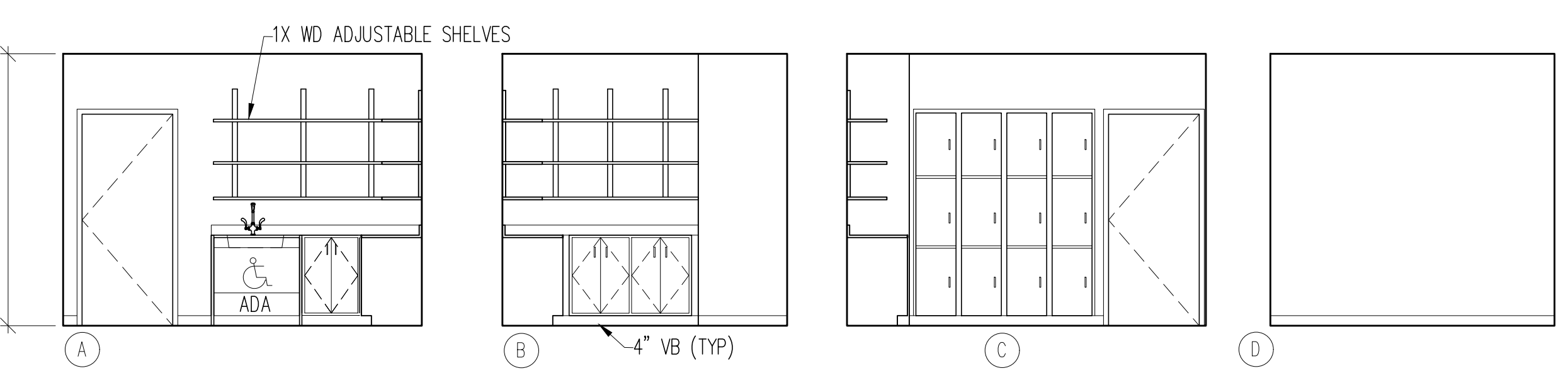
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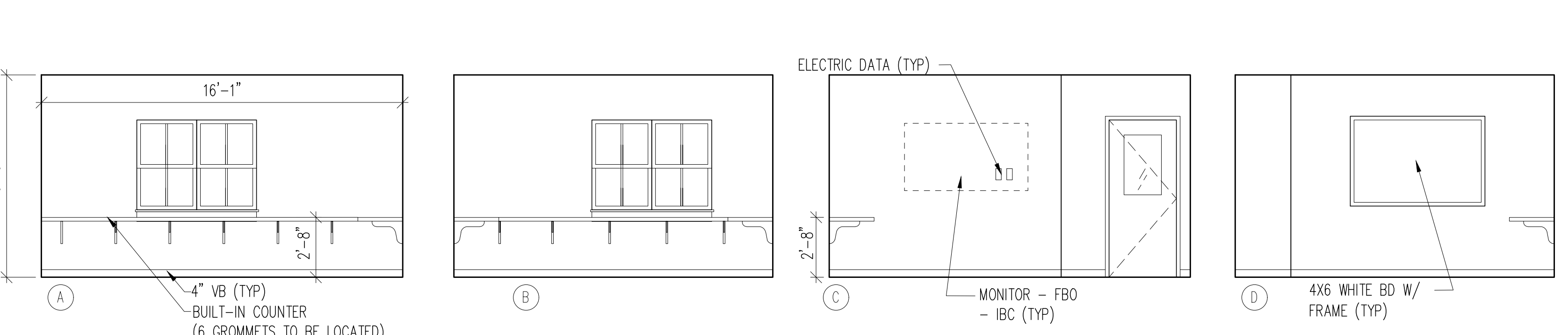
8 FITNESS 115
 SCALE: 1/4" = 1'-0"



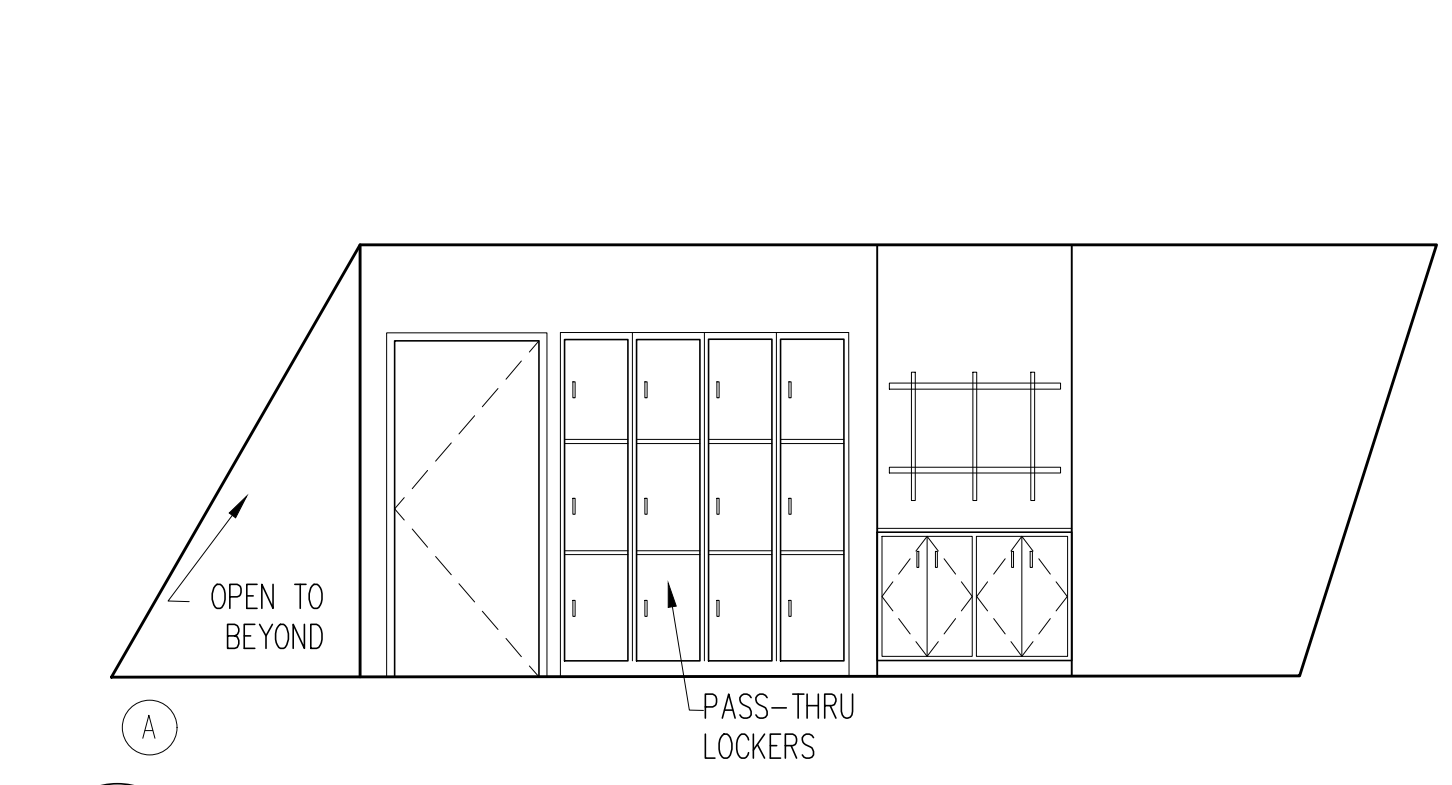
7 EVIDENCE STORAGE 138
 SCALE: 1/4" = 1'-0"



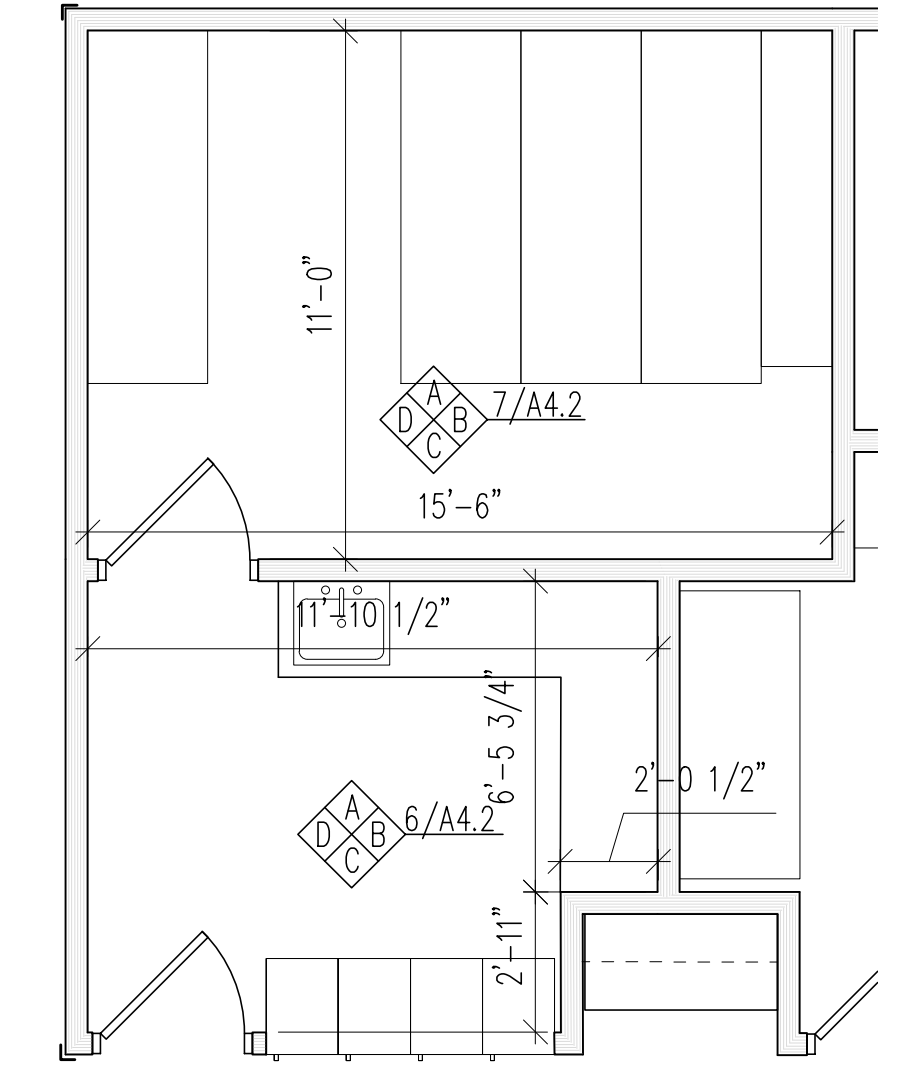
6 EVIDENCE PROCESSING 137
 SCALE: 1/4" = 1'-0"



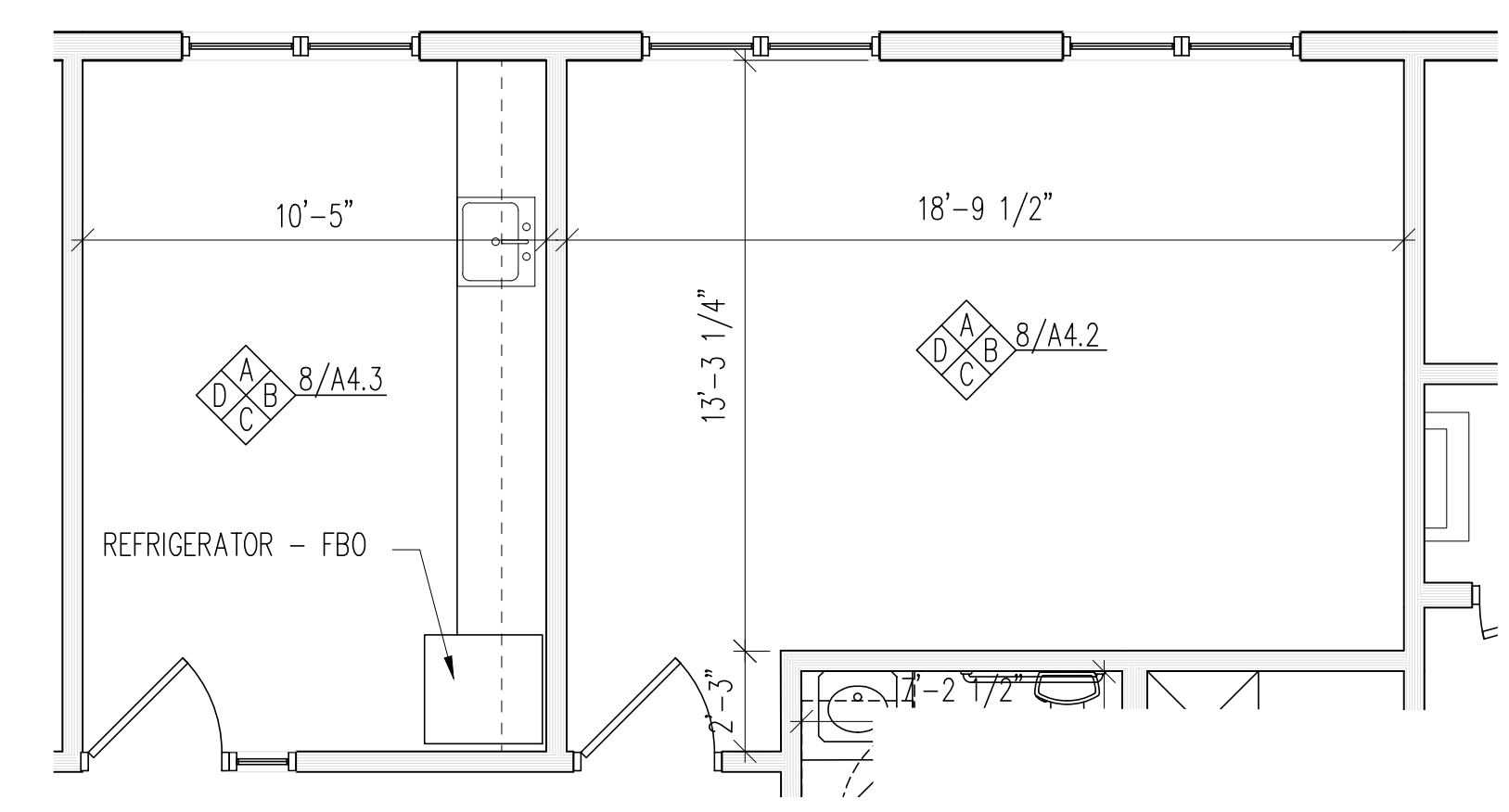
5 PATROL DEPUTIES BULLPEN 133
 SCALE: 1/4" = 1'-0"



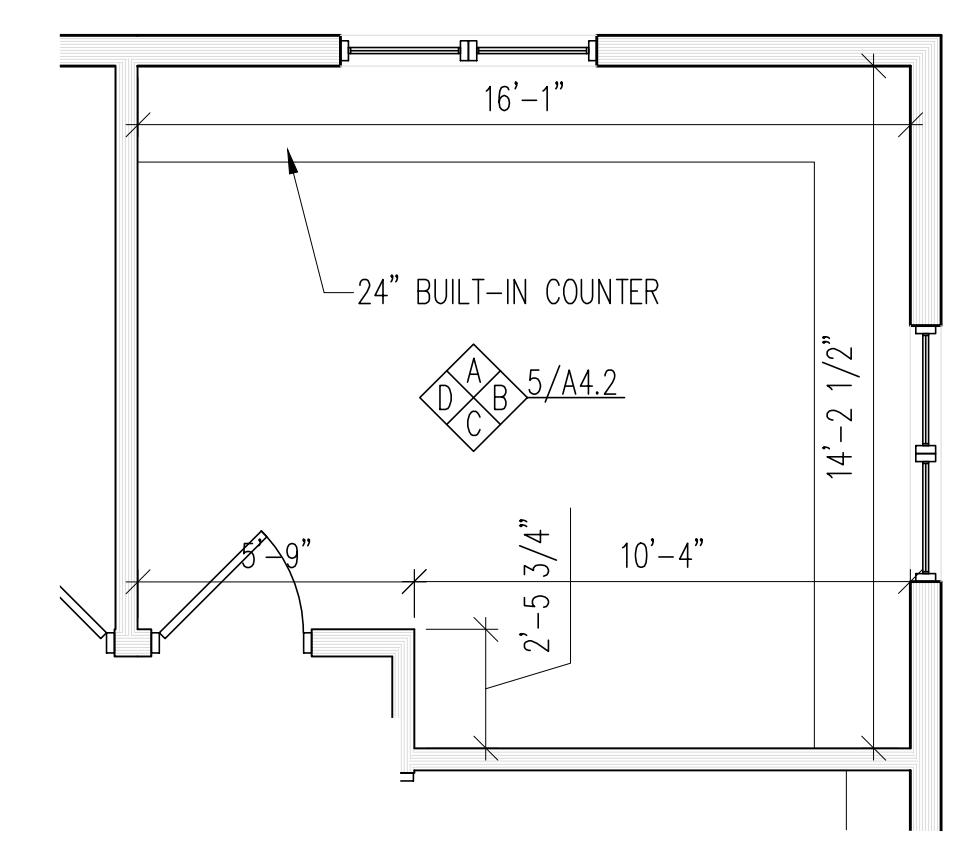
4 EVIDENCE PROCESSING 129
 SCALE: 1/4" = 1'-0"



3 EVIDENCE PROCESS/STORAGE
 SCALE: 1/4" = 1'-0"



2 FITNESS 115
 SCALE: 1/4" = 1'-0"



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

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BID SET

FRANKLIN COUNTY
 123 County Way
 FARMINGTON, MAINE

Date Issued April 12, 2024

Project Number 22418

Scale

SHEET NAME

INTERIOR ELEVATIONS

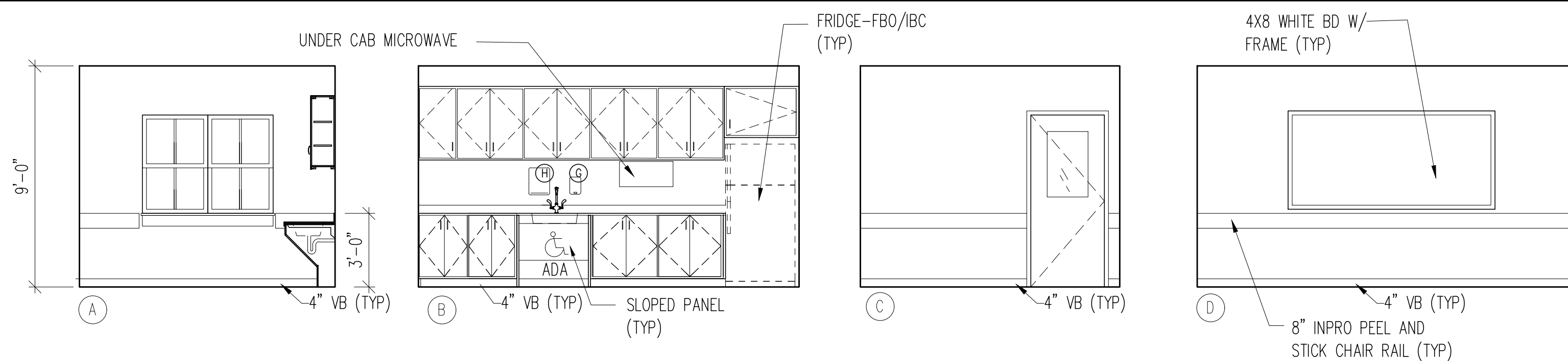
Drawn By

MM, CR

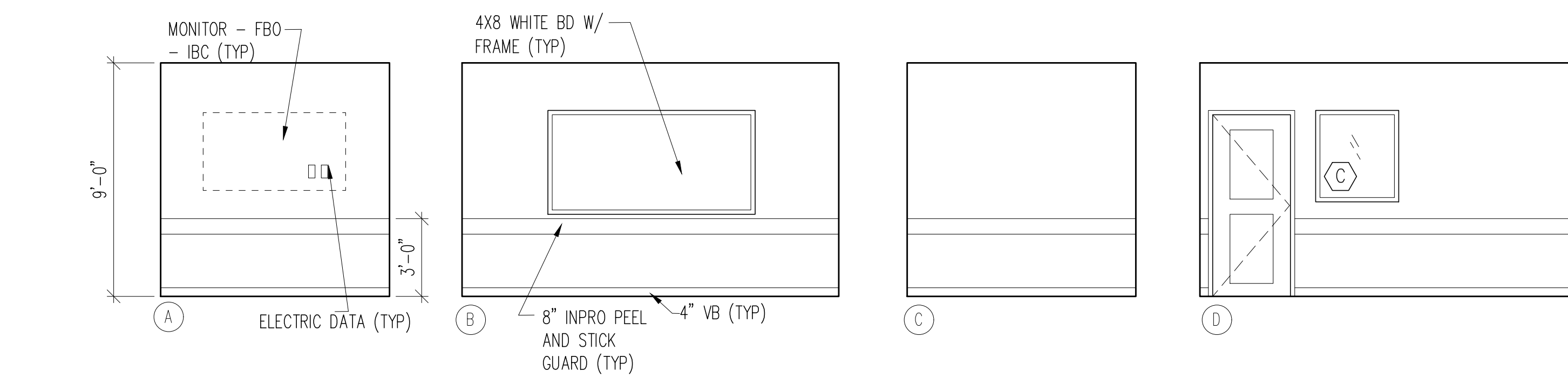
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LAS

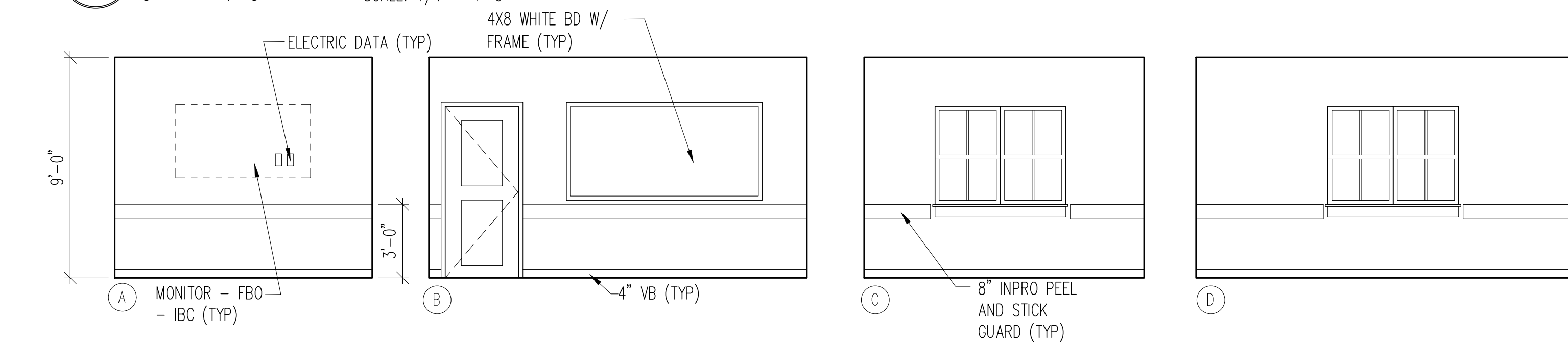
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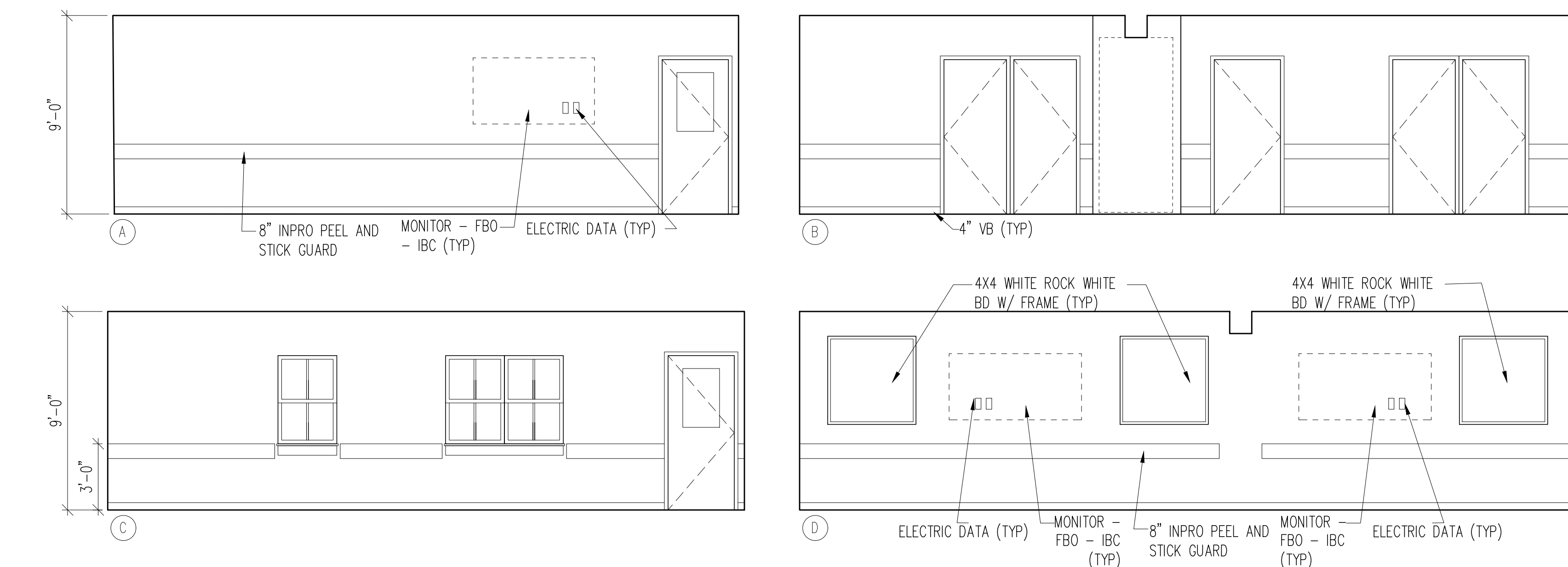
8 BREAKROOM 118
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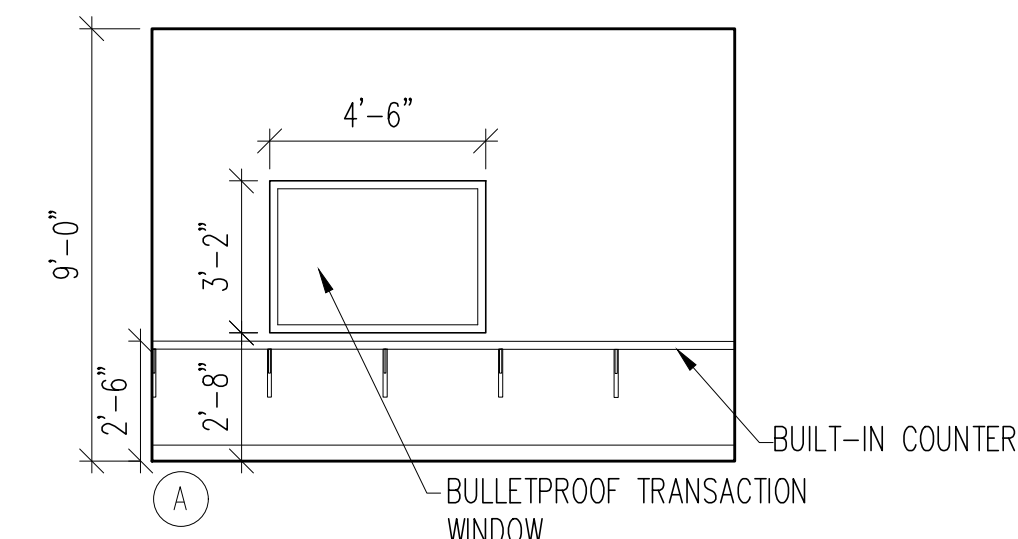
6 CONFERENCE 117
 SCALE: 1/4" = 1'-0"



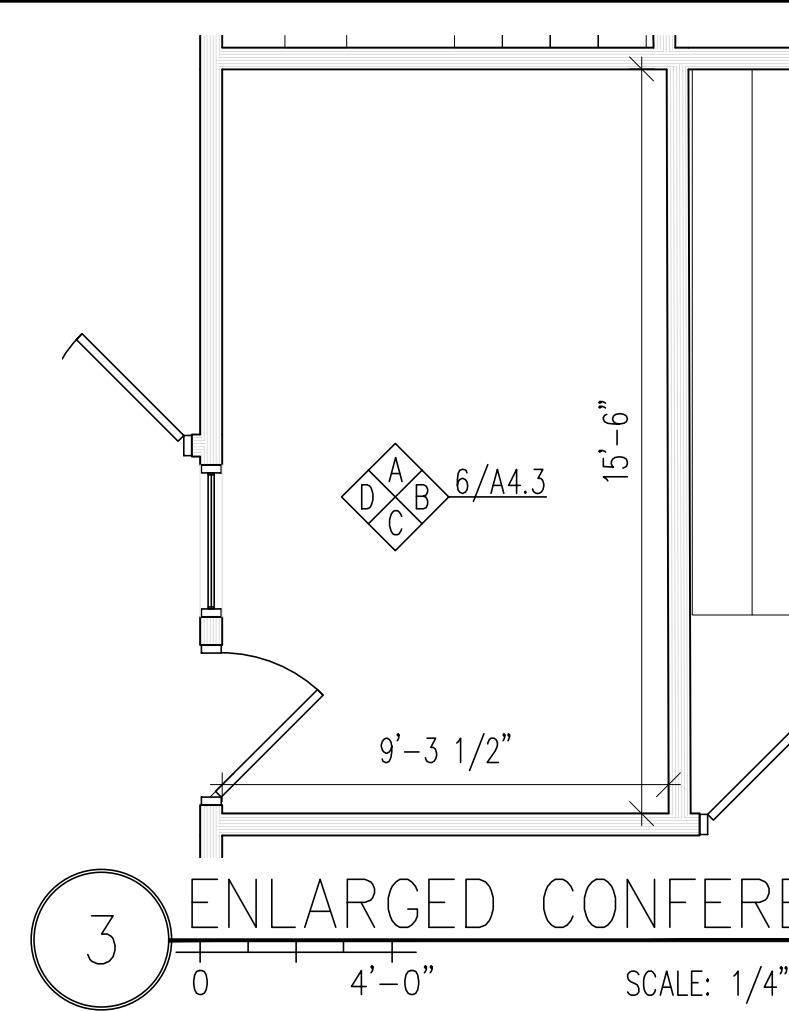
5 CONFERENCE 148
 SCALE: 1/4" = 1'-0"



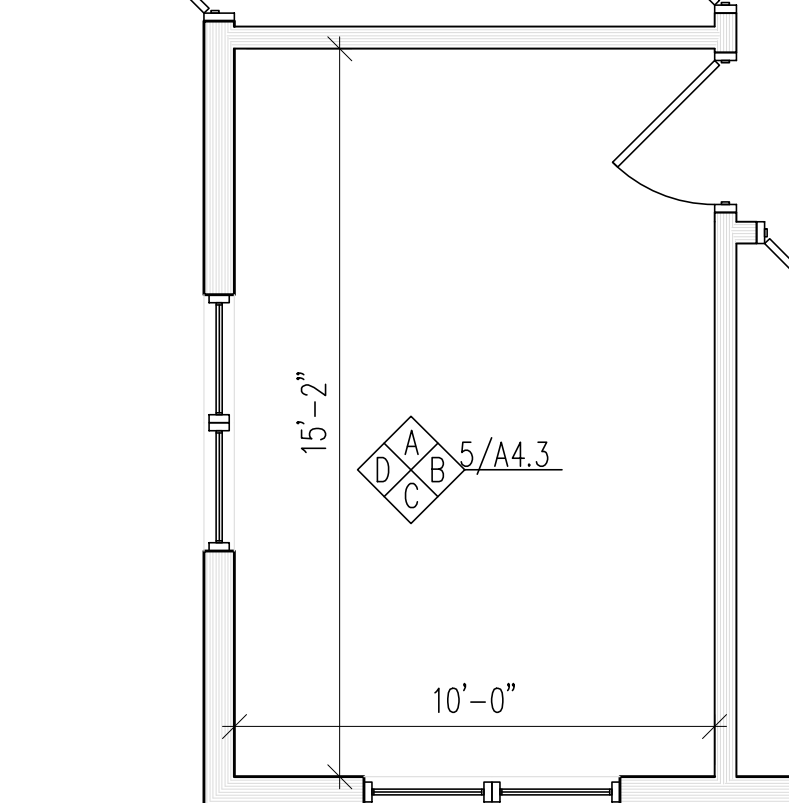
4 EOC/ TRAINING/ COMMISSIONERS 102
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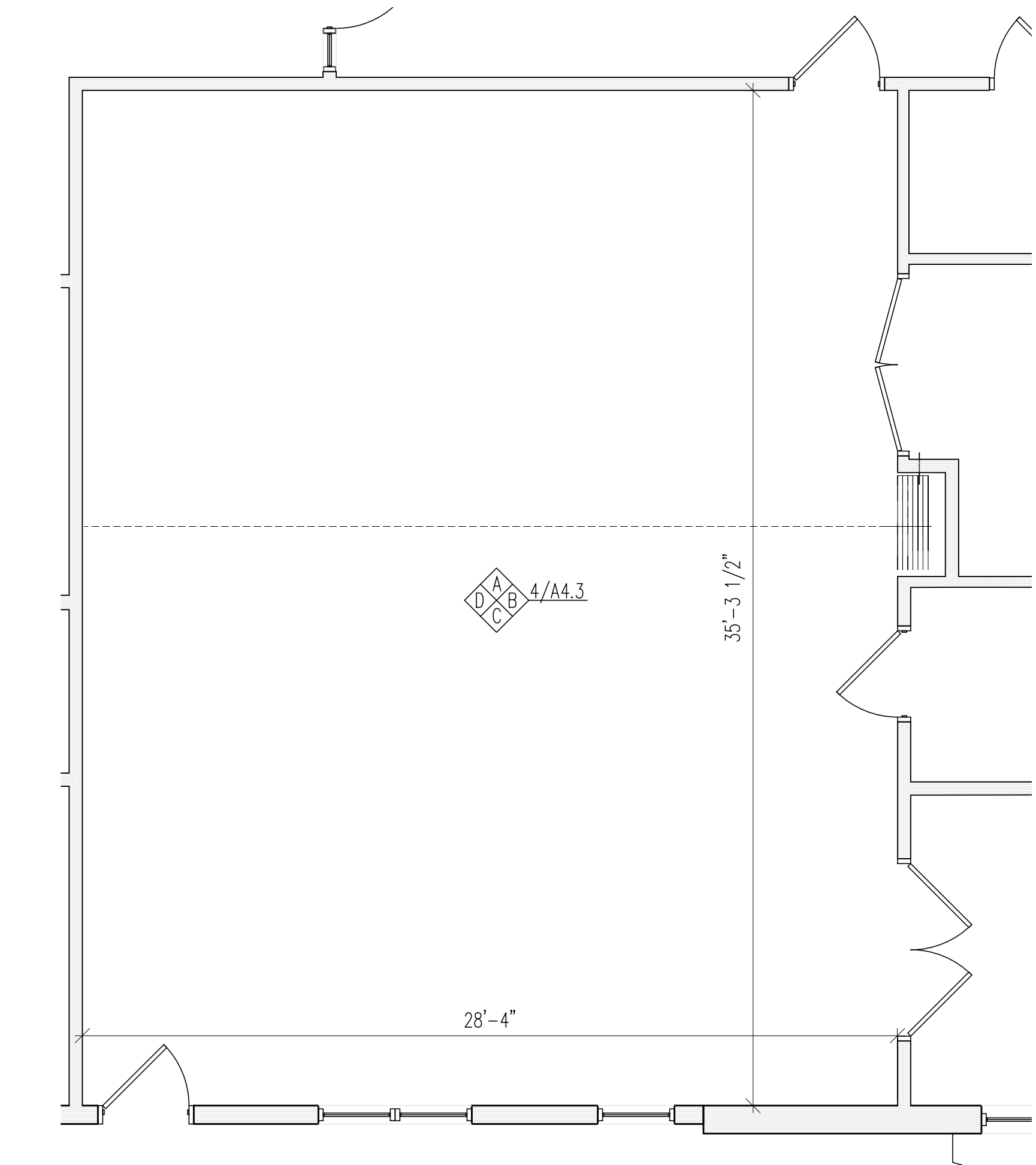
7 ADMIN PASS-THROUGH
 SCALE: 1/4" = 1'-0"



3 ENLARGED CONFERENCE ROOM 117
 SCALE: 1/4" = 1'-0"



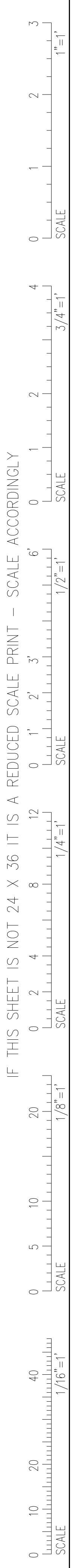
2 ENLARGED CONFERENCE ROOM 148
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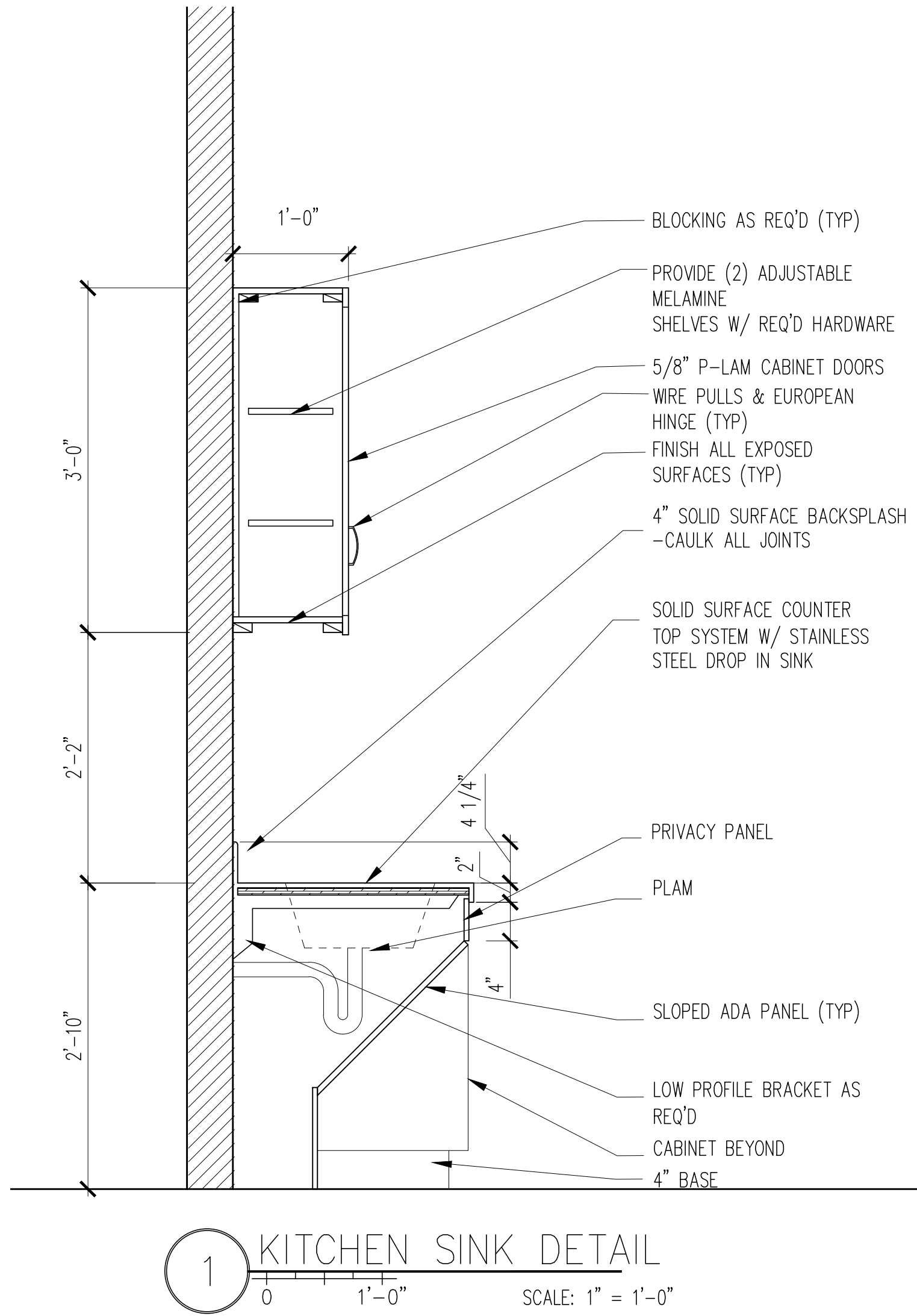
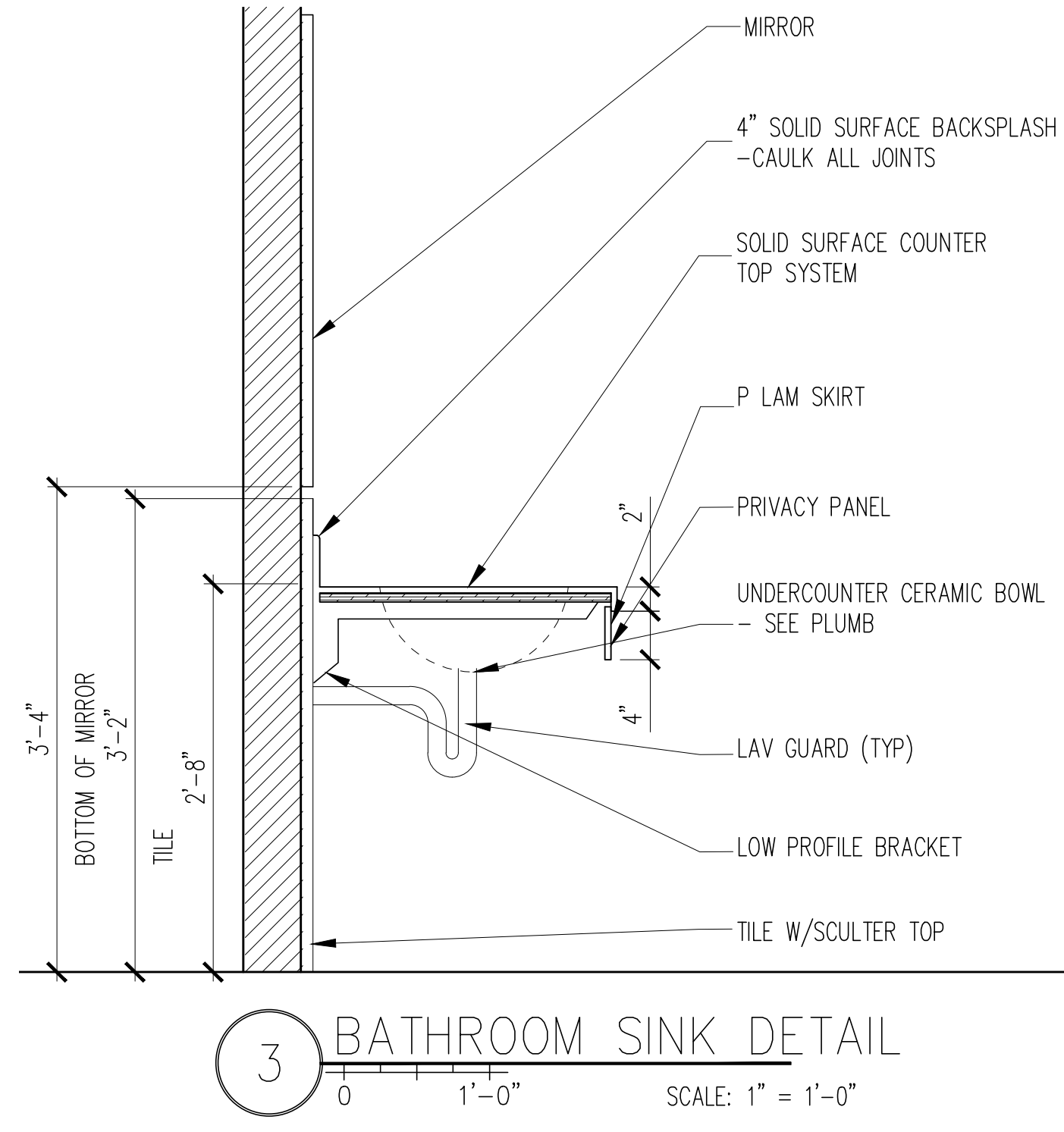
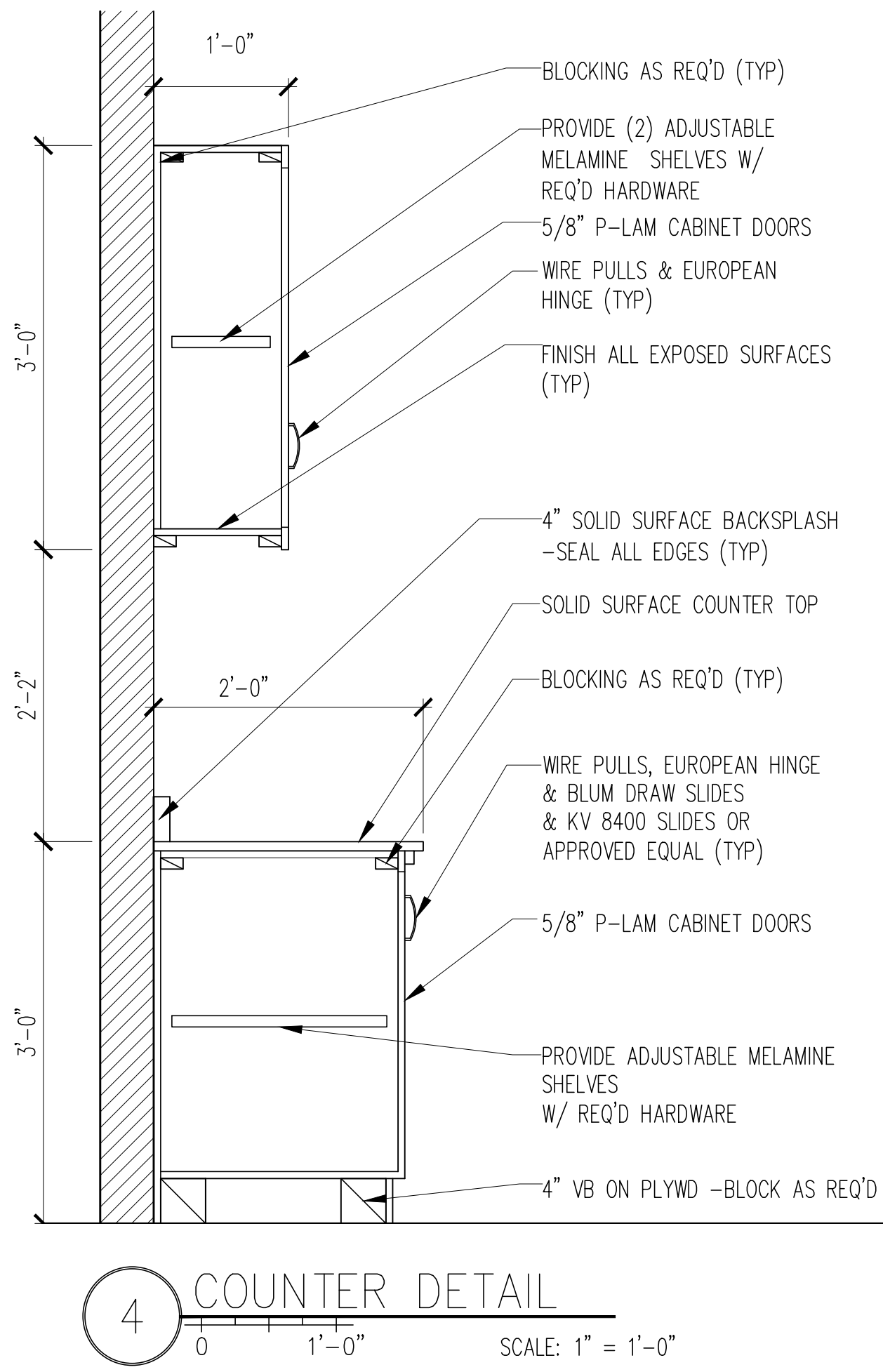
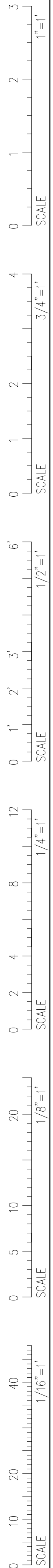
1 ENLARGED EOC/ TRAINING/ COMMISSIONERS 102
 SCALE: 1/4" = 1'-0"

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fax: 207.761.2010

BID SET

FRANKLIN COUNTY
123 County Way
FARMINGTON, MAINE

Date Issued April 12, 2024
Project Number 22418

SHEET NAME
INTERIOR ELEVATIONS

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Checked By LAS

A4.4

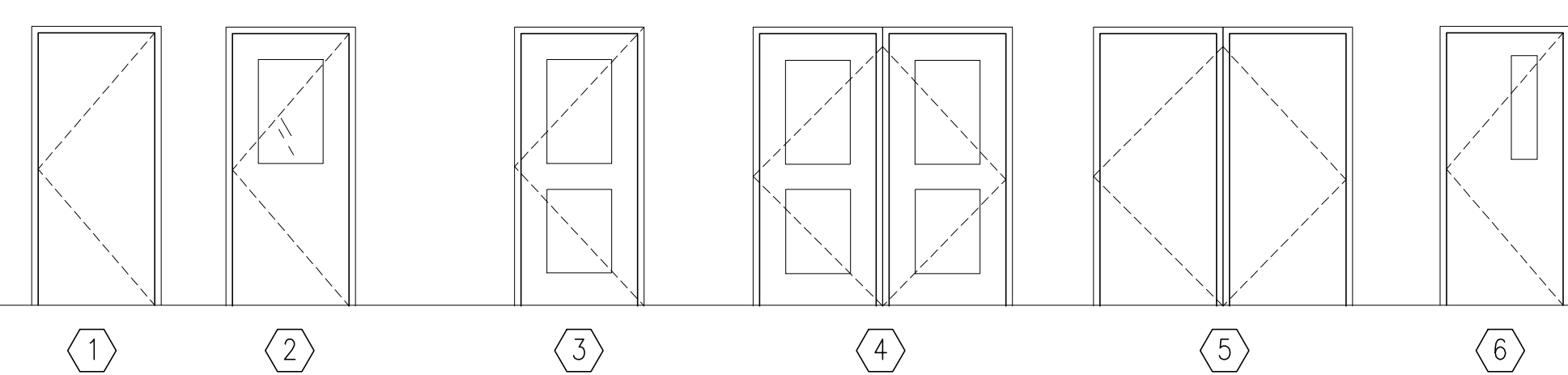
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ROOM FINISH SCHEDULE																			
ROOM No	ROOM NAME	FLOORING				WAINSCOT		NORTH		EAST		SOUTH		WEST		CEILING		HEIGHT	NOTES
		MAT	FINISH	BASE	TYPE	FINISH	MAT	FINISH	MAT	FINISH	MAT	FINISH	MAT	FINISH	MAT	FINISH	MAT		
101	LOBBY	VT		VB	PS		GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-0	9'-0"		
102	EOC/TRAINING	VT		VB	PS		GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-1		9'-0"		
103	TABLE AND CHAIRS STORAGE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
104	A/V CLOSET	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
105	ELEC	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
106	BATH	TILE		TILE	TILE		GWB/TILE	PT-3	GWB/TILE	PT-3	GWB/TILE	PT-3	GWB/TILE	PT-3	GWB	PT-0	9'-0"		
107	BATH	TILE		TILE	TILE		GWB/TILE	PT-3	GWB/TILE	PT-3	GWB/TILE	PT-3	GWB/TILE	PT-3	GWB	PT-0	9'-0"		
108	HALLS	VT		VB	PS		GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
109	EMA OFFICE/RADIO	CPT-2		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-2		9'-0"		
110	SERVER	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
111	ADMIN OFFICE	CPT-2		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-2		9'-0"		
112	EMA STORE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
113	IT OFFICE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-2		9'-0"		
114	SPRINKLER	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-0	9'-0"		
115	FITNESS	RUBBER	RUBBER	VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-1		9'-0"		
116	BATH	TILE		TILE	TILE		GWB/TILE	PT-3	GWB/TILE	PT-3	GWB/TILE	PT-3	GWB/TILE	PT-3	GWB	PT-0	9'-0"		
117	CONFERENCE	CPT-1		VB	PS		GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-1		9'-0"		
118	BREAKROOM	CPT-1		VB	PS		GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
119	RECORDS STORAGE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
120	ADMIN STORAGE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
121	CID OFFICE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-2		9'-0"		
122	CID STORAGE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
123	INTERVIEW ROOM	VT		VB	PS		GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-2		9'-0"		
124	CID STORAGE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
125	CID OFFICE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-2		9'-0"		
126	CID LT OFFICE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-2		9'-0"		
127	PRIVATE ENTRY	VT		VB	PS		GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-0	9'-0"		
128	SHERIFF OFFICE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-2		9'-0"		
129	CHIEF DEPUTY OFFICE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-2		9'-0"		
130	PATROL LT OFFICE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-2		9'-0"		
131	NOT USED																		
132	NOT USED																		
133	PATROL BULLPEN	VT		VB	PS		GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-1		9'-0"		
134	SERGEANT	VT		VB			GWB	PT-3	GWB	PT-3	GWB	PT-3	GWB	PT-3	SAT-2		9'-0"		
135	BATH	TILE		TILE	TILE		GWB/TILE	PT-3	GWB/TILE	PT-3	GWB/TILE	PT-3	GWB/TILE	PT-3	GWB	PT-0	9'-0"		
136	BATH	TILE		TILE	TILE		GWB/TILE	PT-3	GWB/TILE	PT-3	GWB/TILE	PT-3	GWB/TILE	PT-3	GWB	PT-0	9'-0"		
137	EVIDENCE PROCESS	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
138	EVIDENCE STORAGE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
139	SUPPLY STOR.	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
140	K-9 STORAGE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
141	FIREARMS STORAGE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
142	JANITOR	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-0	9'-0"		
143	HR OFFICE	CPT-2		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-2		9'-0"		
144	COUNTY ADMIN ASSISTANT	CPT-2		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-2		9'-0"		
145	COUNTY ADMIN	CPT-2		VB			GWB	PT-3	GWB	PT-3	GWB	PT-3	GWB	PT-3	SAT-2		9'-0"		
146	WORKROOM	CPT-2		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-2		9'-0"		
147	TREASURER OFFICE	CPT-2		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-2		9'-0"		
148	CONFERENCE	CPT-1		VB	PS		GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-1		9'-0"		
149	BOOKKEEPER	CPT-2		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-2		9'-0"		
150	STORAGE	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SAT-3		9'-0"		
151	JANITOR	VT		VB			GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-0	9'-0"		
152	VEST	VT		VB	PS		GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-0	9'-0"		

DOOR SCHEDULE											
NUM	DESCRIPTION	SIZE	RATING	DOOR			HARDWARE			NOTES	
				TYPE	MAT	FRAME	LOCK	WEATH	CLOSER		
101A	LOBBY TO OUTSIDE	(2)3'-0" x 7'-0"		4	ALUM.	ALUM.	PAN	Y	Y		
101B	LOBBY TO HALL	3'-0" x 7'-0"		2	WD	WD	CRS	N	Y		
102A	TRAINING TO LOBBY	(2)3'-0" x 7'-0"		4	WD	WD	CRS	N	Y		
102B	TRAINING TO OUTSIDE	3'-0" x 7'-0"		1	HM	HM	PAN	Y	Y		
102C	TRAINING TO HALL	3'-0" x 7'-0"		2	WD	WD	CRS	N	N		
103A	TABLES & CHAIR STOR. TO TRAINING	(2)3'-0" x 7'-0"		5	WD	WD	STOR	N	N		
104A	TRAINING TO A/V CLOSET	3'-0" x 7'-0"		1	WD	WD	STOR	N	Y		
105A	HALL TO ELECTRIC ROOM	3'-0" x 7'-0"		1	WD	WD	STOR	N	Y		
106A	LOBBY TO BATH	3'-0" x 7'-0"		1	WD	WD	PRIV	N	Y		
107A	LOBBY TO BATH	3'-0" x 7'-0"		1	WD	WD	PRIV	N	Y		
108A	LOBBY TO HALL	3'-0" x 7'-0"		2	WD	WD	CR	N	Y		
109A	HALL TO EMA OPEN OFFICE	3'-0" x 7'-0"		2	WD	WD	CRS	N	N		
110A	HALL TO SERVER	3'-0" x 7'-0"		1	WD	WD	STOR	N	N		
111A	HALL TO ADMIN	3'-0" x 7'-0"		2	WD	WD	CRS	N	N		
112A	EMA OFFICE TO EMA STOR	3'-0" x 7'-0"		1	WD	WD	STOR	N	N		
112B	EMA STOR TO OUTSIDE	3'-0" x 7'-0"		1	HM	HM	CRS	Y	Y		
113A	HALL TO IT OFFICE	3'-0" x 7'-0"		2	WD	WD	CRS	N	N		
114A	SPRINKLER TO ADMIN	(2)3'-0" x 7'-0"		5	WD	WD	STOR	N	N		
115A	HALL TO FITNESS	3'-0" x 7'-0"		3	WD	WD	CRS	N	N		
116A	HALL TO BATHROOM	3'-0" x 7'-0"		1	WD	WD	PRIV	N	Y		
117A	HALL TO CONFERENCE	3'-0" x 7'-0"		3	WD	WD	CR	N	Y		
118A	HALL TO BREAKROOM	3'-0" x 7'-0"		2	WD	WD	CR	N	N		
119A	RECORDS TO HALL	3'-0" x 7'-0"		1	WD	WD	STOR	N	N		
120A	ADMIN STOR TO ADMIN	3'-0" x 7'-0"		1	WD	WD	STOR	N	N		
121A	HALL TO CID OFFICE	3'-0" x 7'-0"		2	WD	WD	CRS	N	N		
122A	CID STOR TO CID OFFICE	3'-0" x 7'-0"		1	WD	WD	STOR	N	N		
123A	INTERVIEW TO HALL	3'-0" x 7'-0"		1	WD	WD	CR	N	N		
124A	CID STOR TO CID OFFICE	3'-0" x 7'-0"		1	WD	WD	STOR	N	N		
125A	HALL TO CID OFFICE	3'-0" x 7'-0"		2	WD	WD	CRS	N	N		
126A	HALL TO CID LT OFFICE	3'-0" x 7'-0"		2	WD	WD	CRS	N	Y		
127A	ENTRY TO OUTSIDE	3'-0" x 7'-0"		2	HM	HM	PAN	Y	Y		
127B	HALL TO ENTRY	3'-0" x 7'-0"		2	WD	WD	NONE	N	Y		
128A	HALL TO SHERIFF	3'-0" x 7'-0"		2	WD	WD	CRS	N	N		
129A	HALL TO CHIEF DEPUTY	3'-0" x 7'-0"		2	WD	WD	CRS	N	N		
130A	HALL TO PATROL LT	3'-0" x 7'-0"		2	WD	WD	CRS	N	N		
133A	HALL TO PATROL BULLPEN	3'-0" x 7'-0"		2	WD	WD	CRS	N	N		
134A	HALL TO SERGEANT	3'-0" x 7'-0"		2	WD	WD	CRS	N	N		
135A	HALL TO BATH	3'-0" x 7'-0"		1	WD	WD	PRIV	N	Y		
136A	HALL TO BATH	3'-0" x 7'-0"		1	WD	WD	PRIV	N	Y		
137A	HALL TO EVIDENCE PROCESS	3'-0" x 7'-0"		6	WD	WD	STOR	N	Y		
138A	EVIDENCE STOR TO EVIDENCE PROCESS	3'-0" x 7'-0"		6	WD	WD	STOR	N	Y		
139A	SUPPLY TO HALL	3'-0" x 7'-0"		1	WD	WD	STOR	N	N		
140A	K-9 TO HALL	3'-0" x 7'-0"		1	WD	WD	STOR	N	N		
141A	HALL TO FIREARMS STOR	3'-0" x 7'-0"		1	WD	WD	STOR	N	Y		
142A	JANITOR TO HALL	3'-0" x 7'-0"		1	WD	WD	STOR	N	Y		
143A	COUNTY ADMIN ASSISTANT TO HR	3'-0" x 7'-0"		2	WD	WD	CRS	N	N		
144A	COUNTY ADMIN ASSISTANT TO HALL	3'-0" x 7'-0"		3	WD	WD	CRS	N	N		
145A	COUNTY ADMIN ASSISTANT TO COUNTY ADMIN	3'-0" x 7'-0"		2	WD	WD	CRS	N	N		
147A	COUNTY ADMIN ASSISTANT TO TREASURER	3'-0" x 7'-0"		2	WD	WD	CRS	N	N		
148A	COUNTY ADMIN ASSISTANT TO CONFERENCE	3'-0" x 7'-0"		3	WD	WD	CR	N	N		
149A	COUNTY ADMIN ASSISTANT TO BOOKKEEPER	3'-0" x 7'-0"		2	WD	WD	CRS	N	N		
150A	COUNTY ADMIN ASSISTANT TO STORAGE	3'-0" x 7'-0"		1	WD	WD	STOR	N	N		
151A	COUNTY ADMIN ASSISTANT TO JANITOR	3'-0" x 7'-0"		1	WD	WD	NONE	N	N		
152A	COUNTY ADMIN ASSISTANT TO VESTIBULE	3'-0" x 7'-0"		2	WD	WD	PAN	N	Y		
152B	VESTIBULE TO OUTSIDE	3'-0" x 7'-0"		2	HM	HM	PAN	Y	Y		
153A	ROOF ACCESS TO HALL	3'-0" x 7'-0"		1	WD	WD	STOR	N	N		

- FLOORING:**
- CPT1 = J&J FLOORING "KINETEX" NETWORK MODULAR 24"x24"
 - CPT2 = J&J FLOORING "KINETEX" NETWORK MODULAR 24"x24"
 - VT = ALTRO "DOLCE"
 - TILE = CROSSVILLE "SHADE 2.0"
 - WM = WALK-OFF MAT
 - COUNTERS & CABINETS - SOLID SURFACE W/ P-LAN EXTERIOR
 - RUBBER = JOHNSONITE TRIUMPH
 - ALL CORNERS TO RECEIVE 4" INPRO - PEEL AND STICK CORNER GUARD
 - VB = 4" VINYL BASE - JOHNSONITE OR EQUAL
 - CB = 6" EPOXY COVE BASE SEALED
 - PS = 8" INPRO PEEL AND STICK GUARD
- CEILING:**
- SAT 1 = ARMSTRONG 2X2 ULTIMA HIGH NRC (CONFERENCE / EOC)
 - SAT 2 = ARMSTRONG 2X2 OPTIMA HIGH CAC (OFFICES / INTERVIEW)
 - SAT 3 = ARMSTRONG 2X2 OPTIMA
 - ALL SAT TILES TO BE REGULAR EDGED

- GENERAL FINISH NOTES:**
- *1. ALL GWB CEILINGS TO BE PTD AND PT-0
 - *2. PROVIDE 4'-0" OF FRP AROUND JANITORS CLOSET
 - *3. PROVIDE ACOUSTICAL WALL TREATMENT IN INTERVIEW ROOM AND TRAINING ROOM - FILZFELT





PORT CITY ARCHITECTURE

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FRANKLIN COUNTY SHERIFF'S OFFICE
FARMINGTON, MAINE

BID SET

Date Issued **APRIL 12, 2024**

Project Number

Scale **As Noted**

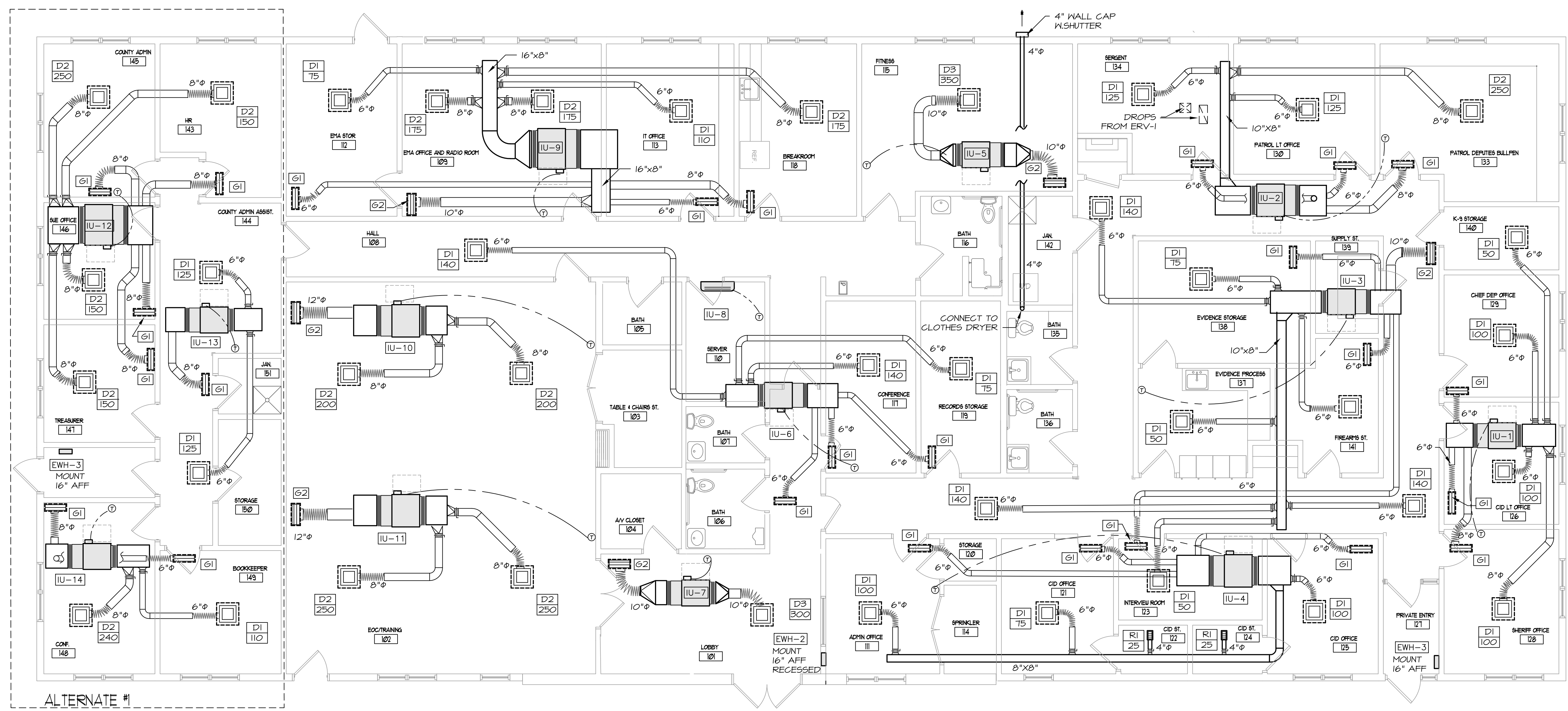
SHEET NAME

MECHANICAL FLOOR PLAN

Drawn By

Checked By **M1.1**

KFM



MECHANICAL FLOOR PLAN
SCALE: 3/16" = 1'-0"

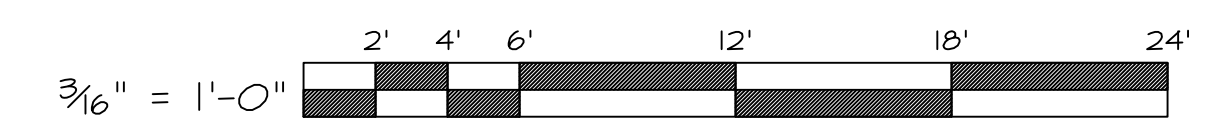
SHEETMETAL LEGEND

	4-WAY CEILING SUPPLY DIFFUSER, T-BAR LAY-IN		45 DEG. TAKEOFF WITH HEAVY DUTY 24 GA DAMPER AND CLOSED END BEARING
	RETURN OR EXHAUST INLET, T-BAR LAY-IN		BELLMOUTH TAKEOFF
	RETURN OR EXHAUST INLET, SURFACE MOUNT		BELLMOUTH TAKEOFF WITH HEAVY DUTY 24 GA. DAMPER AND CLOSED END BEARING
	DOUBLE DEFLECTION REGISTER WITH OPPOSED BLADE DAMPERS		UL LISTED FLEXIBLE DUCTWORK, INSULATED 1-1/2". MAXIMUM RUN LENGTH 6'-0"
	45 DEG. TAKEOFF		MANUAL DAMPER - LOCKING QUADRANT
			THERMOSTAT

SHEETMETAL NOTES

- All ductwork to be fabricated and installed per SMACNA Low Pressure Ductwork Standards.
- Ductwork is shown diagrammatically and does not indicate all the offsets, rises and drops that will be required.
- All square elbows are to be installed with turning vanes.
- Flexible ductwork to be insulated with 1-1/2" fiberglass duct wrap with foil-faced vapor barrier. Flexible ductwork to be UL181 listed and limited to a maximum run of 6'-0".
- All supply ductwork above ceiling to be insulated with 1-1/2" fiberglass duct wrap with foil faced vapor barrier.
- Where shown on drawings line ductwork with 3" acoustical duct liner. Closed-cell flexible electromagnetic insulation.
- Clothes dryer vents to be aluminum with a removable section for cleaning. No sheetmetal screws can be used - pop rivets only.

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207.761.9000
fax: 207.761.2010



MECHANICAL SYSTEMS ENGINEERS

41 FISH LANE
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(207) 945-1441
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MSE Project 2339

FRANKLIN COUNTY SHERIFF'S OFFICE
FARMINGTON, MAINE

BID SET

Date Issued APRIL 12, 2024

Project Number

Scale As Noted

SHEET NAME

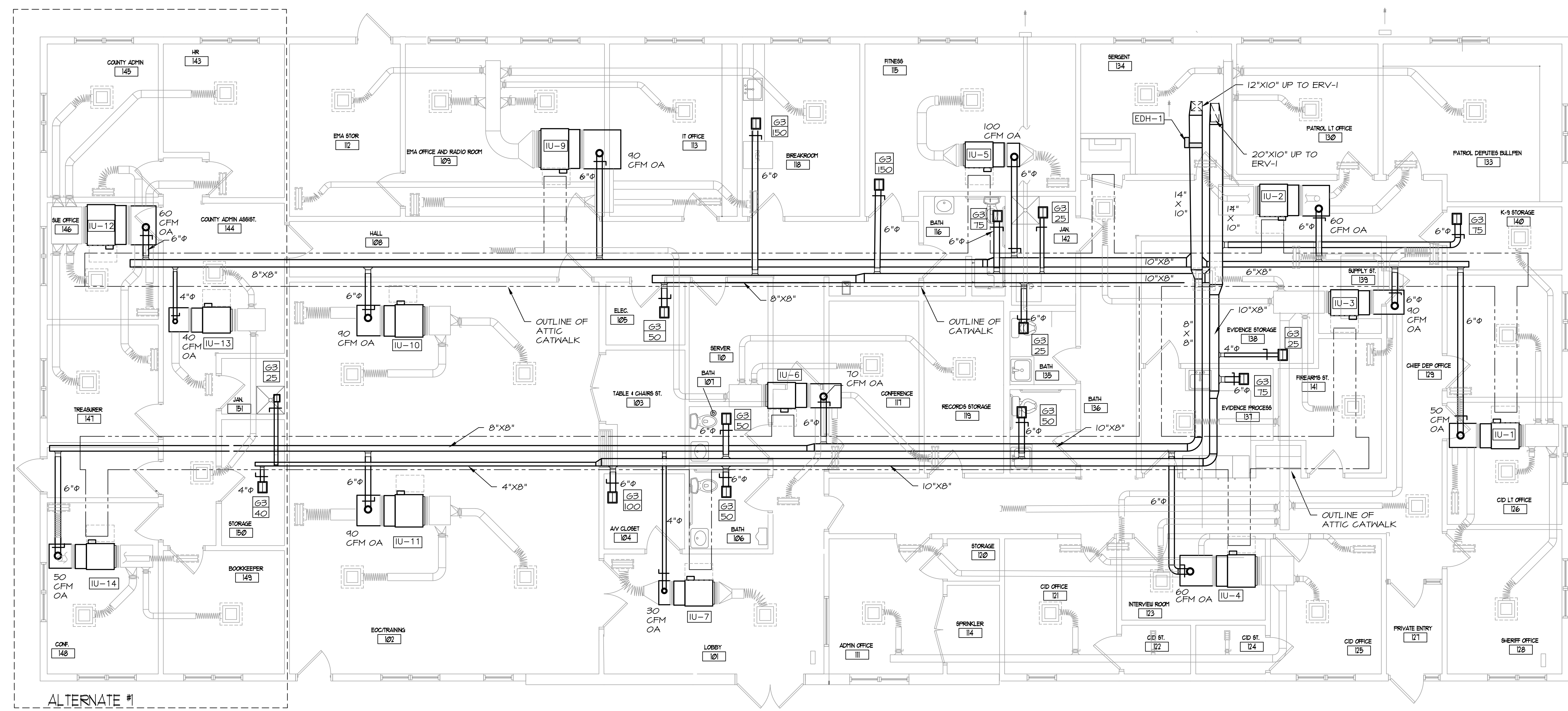
MECHANICAL OUTSIDE AIR AND EXHAUST PLAN

Drawn By

Checked By

KFM

M1.3



MECHANICAL OUTSIDE AIR & EXHAUST PLAN
SCALE: 3/16" = 1'-0"

- SHEETMETAL NOTES**
- All ductwork to be fabricated and installed per SMACNA Low Pressure Ductwork Standards.
 - Ductwork is shown diagrammatically and does not indicate all the offsets, rises and drops that will be required.
 - All square elbows are to be installed with turning vanes.
 - All supply ductwork above ceiling to be insulated with 1-1/2" fiberglass duct wrap with foil faced vapor barrier.
 - Where shown on drawings line ductwork with 1/2" acoustical duct liner. Closed-cell flexible electromagnetic insulation.



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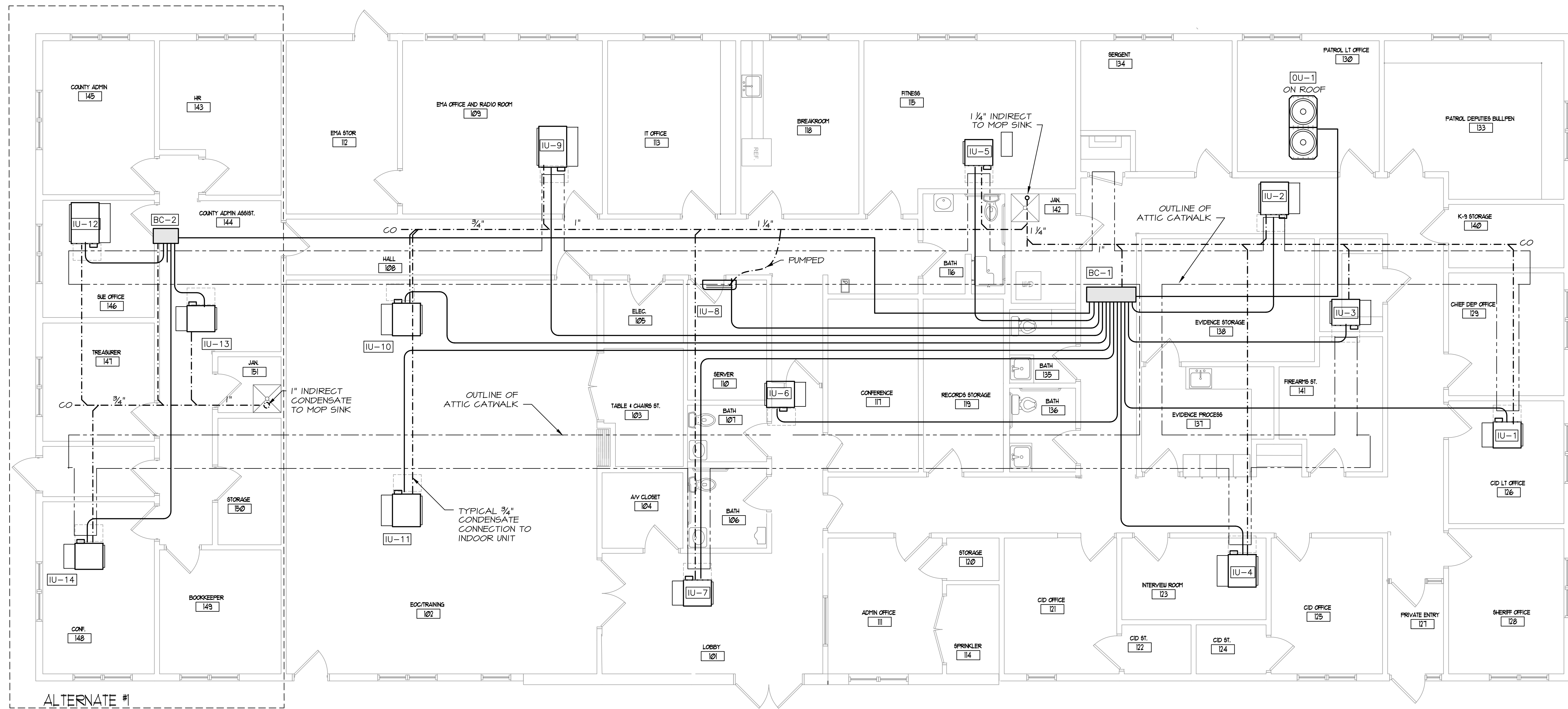
SHEET NAME

MECHANICAL REFRIGERANT & CONDENSATE PIPING

Drawn By

Checked By

M1.4
KFM



MECHANICAL PIPING PLAN
SCALE: 3/16" = 1'-0"

PIPING LEGEND	
	REFRIGERANT PIPING
	CONDENSATE PIPING
	CLEAN OUT

PIPING NOTES	
1.	Piping is shown diagrammatically and does not indicate all the offsets, rises and drops that will be required.
2.	Refrigerant Piping to be Type "K" copper or ACR Tube.
3.	Insulate Refrigerant piping per Specification Section 23000.
4.	All Refrigerant Piping expose to the weather to be coated per Manufacturers recommendations.
5.	All condensate piping to be Schedule 40 PVC Plastic.
6.	Provide condensate trap and cleanout at each unit.
7.	provide condensate cleanouts at end of all mains.

PIPE SIZES	
1. REFRIGERANT PIPE SIZES	
1.1.	OU-1 TO BC-1 7/8" / 1 1/8"
1.2.	BC-1 TO BC-2 3/8" / 3/8" / 3/4"
1.3.	IU-9 AND IU-12 3/8" / 3/8"
1.4.	ALL OTHER IUs 1/4" / 1/2"
2. CONDENSATE PIPE SIZES	
2.1.	LINE SERVING 1 OR 2 UNITS 3/4"
2.2.	LINE SERVING 3 TO 6 UNITS 1"
2.3.	LINE SERVING 7 OR MORE 1 1/4"

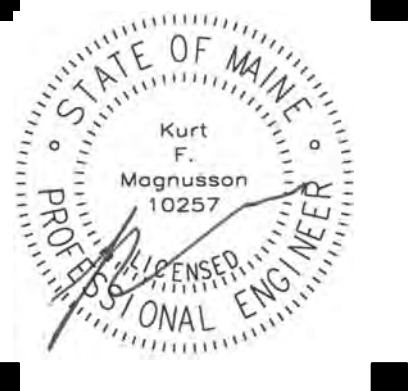


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Date Issued **APRIL 12, 2024**

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Scale **NONE**

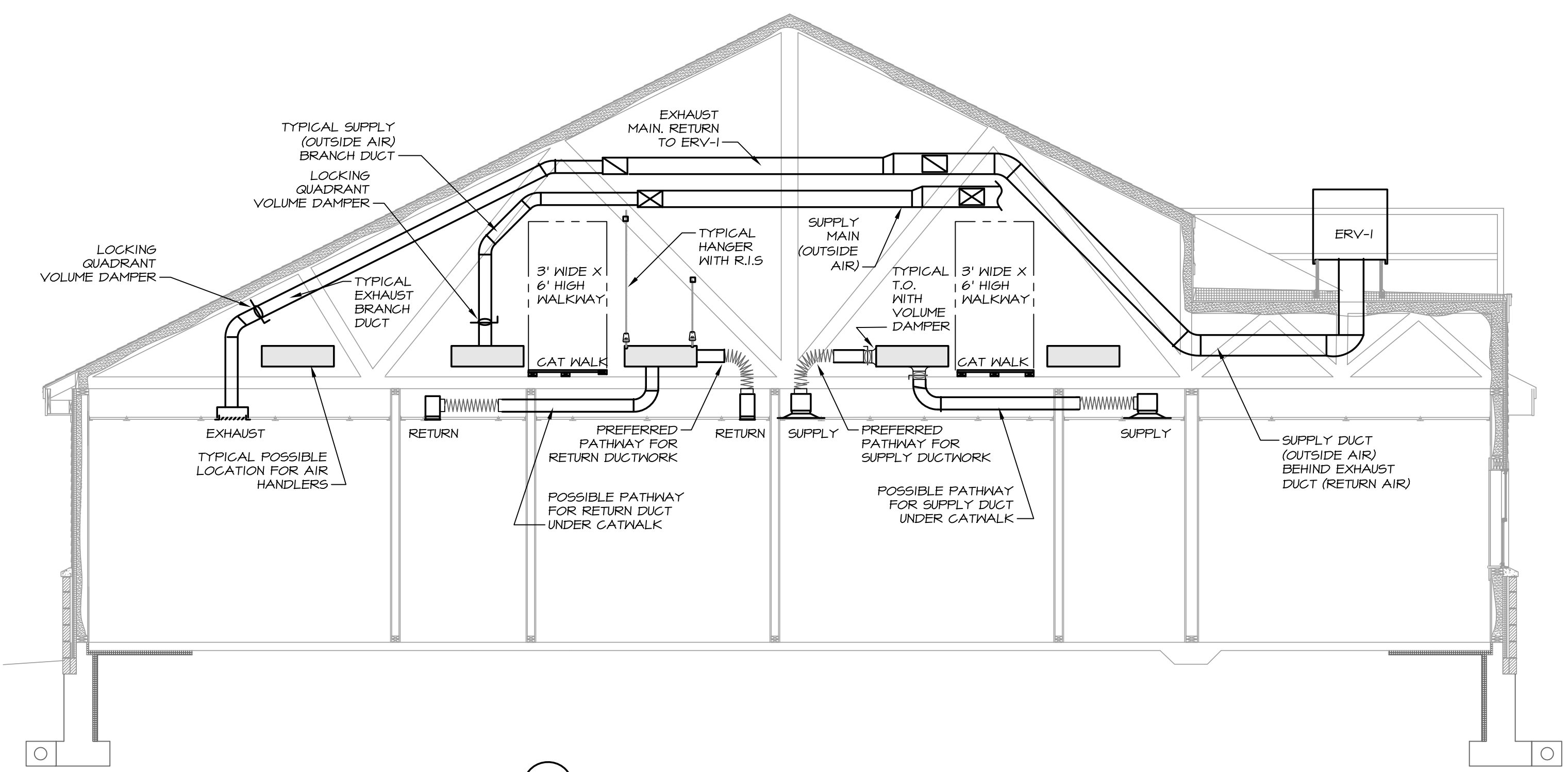
SHEET NAME

MECHANICAL DETAILS & SECTIONS

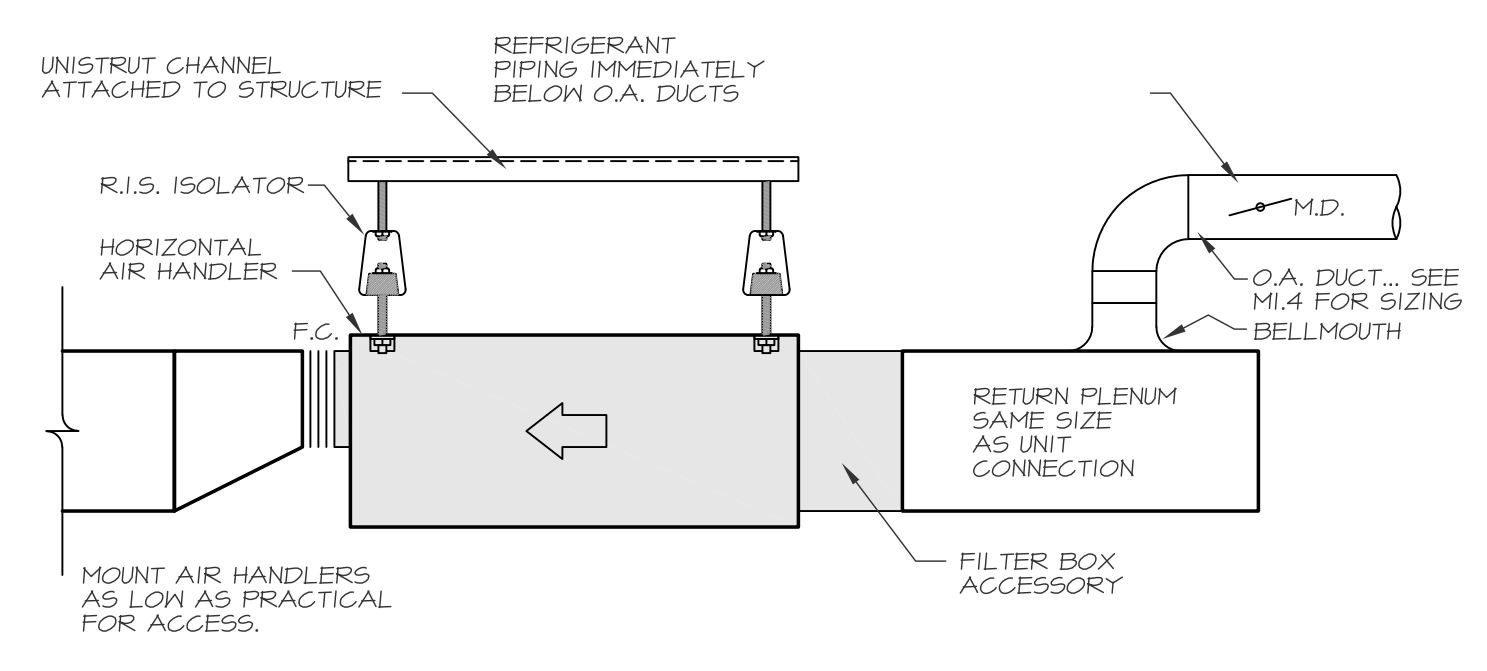
Drawn By

Checked By **M2.1**

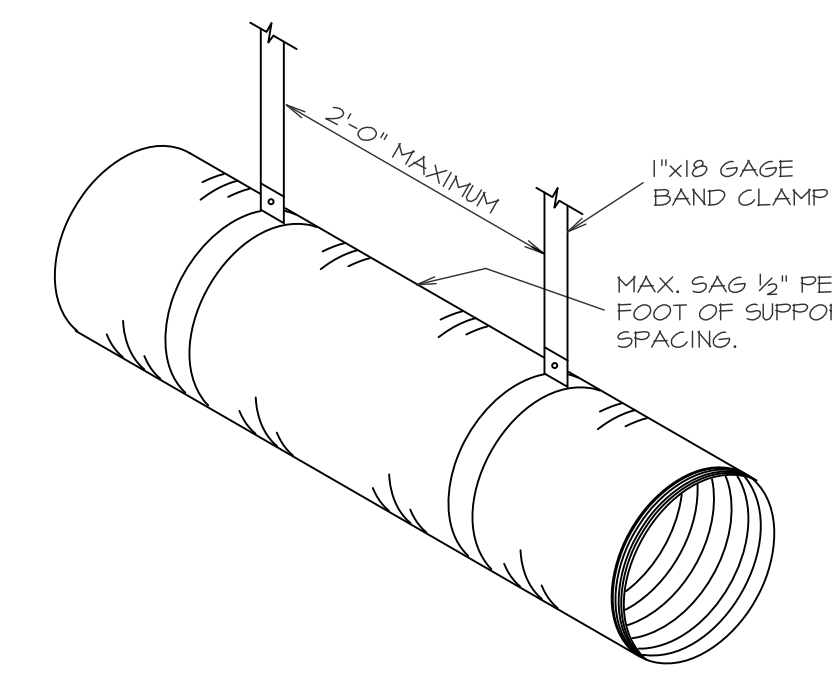
KFM



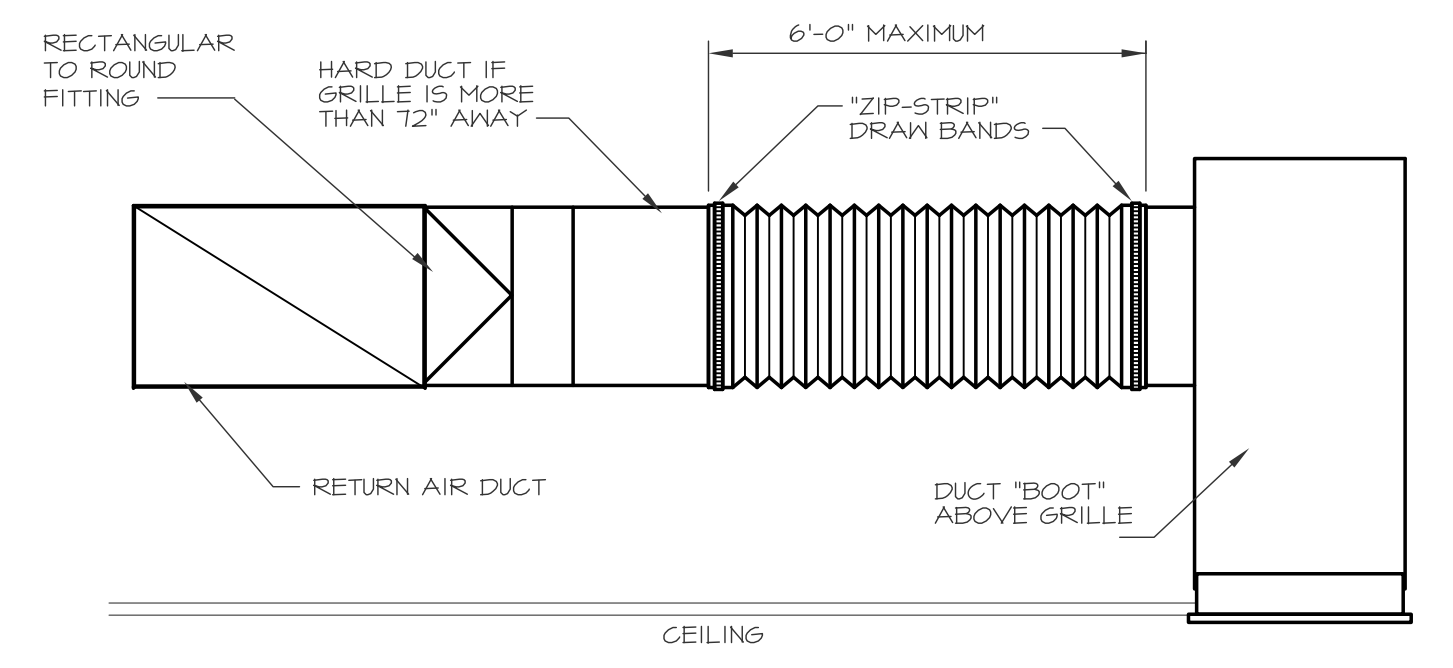
1 SECTION FOR COORDINATION
SCALE: 1/4" = 1'-0"



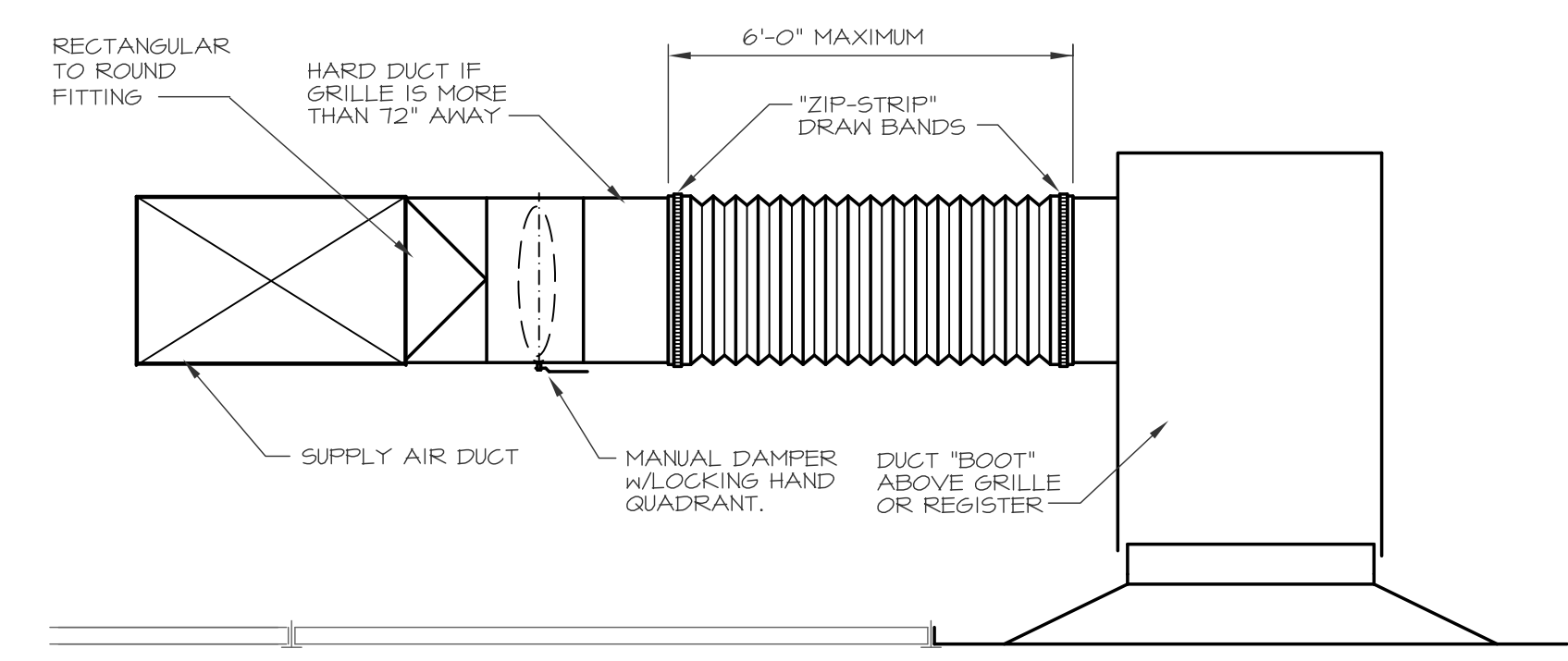
2 TYPICAL INDOOR UNIT AIR HANDLER
NO SCALE



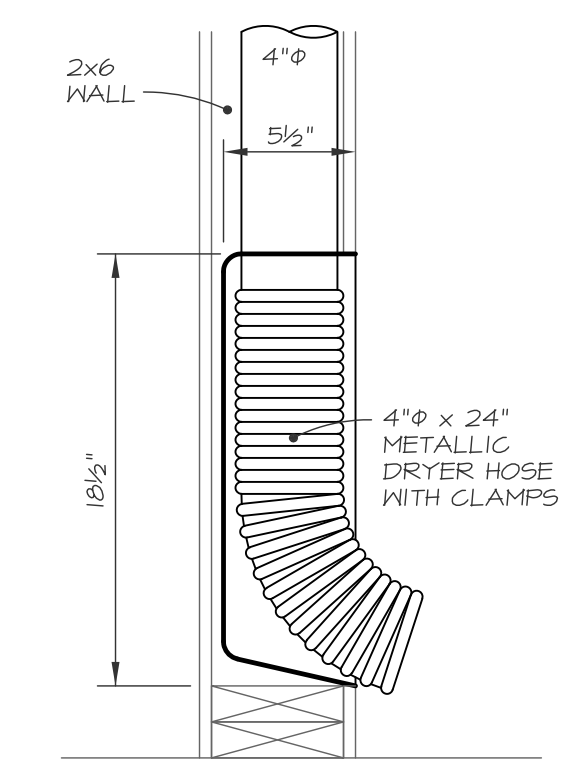
3 FLEXIBLE DUCT SUPPORT DETAIL
NO SCALE



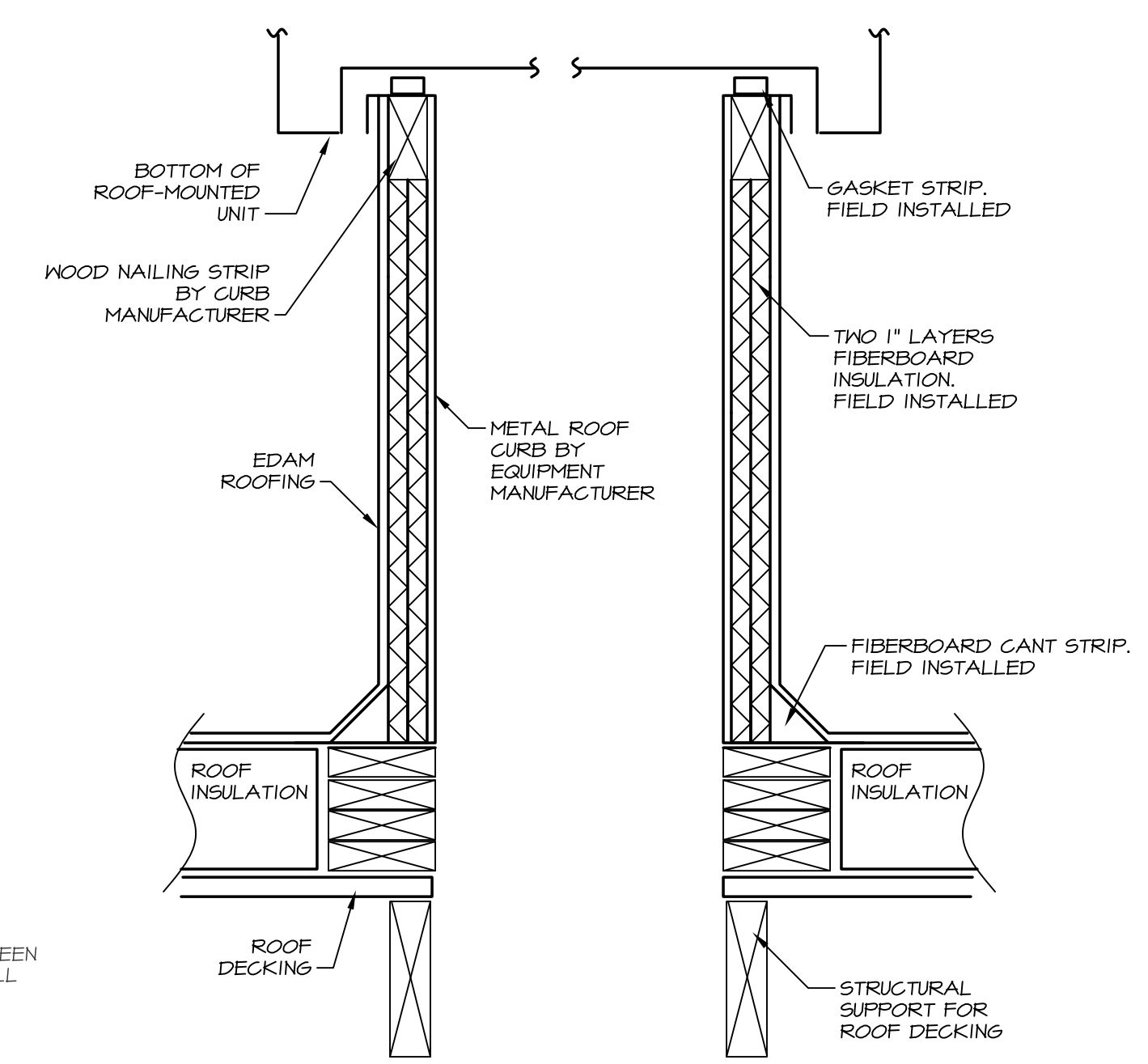
4 FLEXIBLE DUCT & RETURN GRILLE CONNECTION
NO SCALE



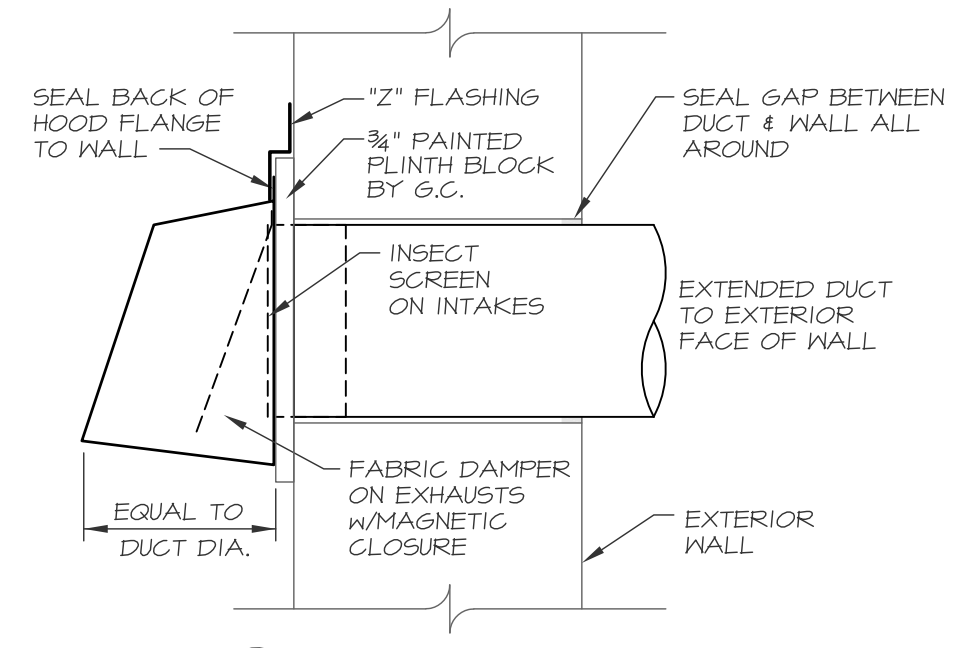
5 FLEXIBLE DUCT & DIFFUSER CONNECTION DETAIL
NO SCALE



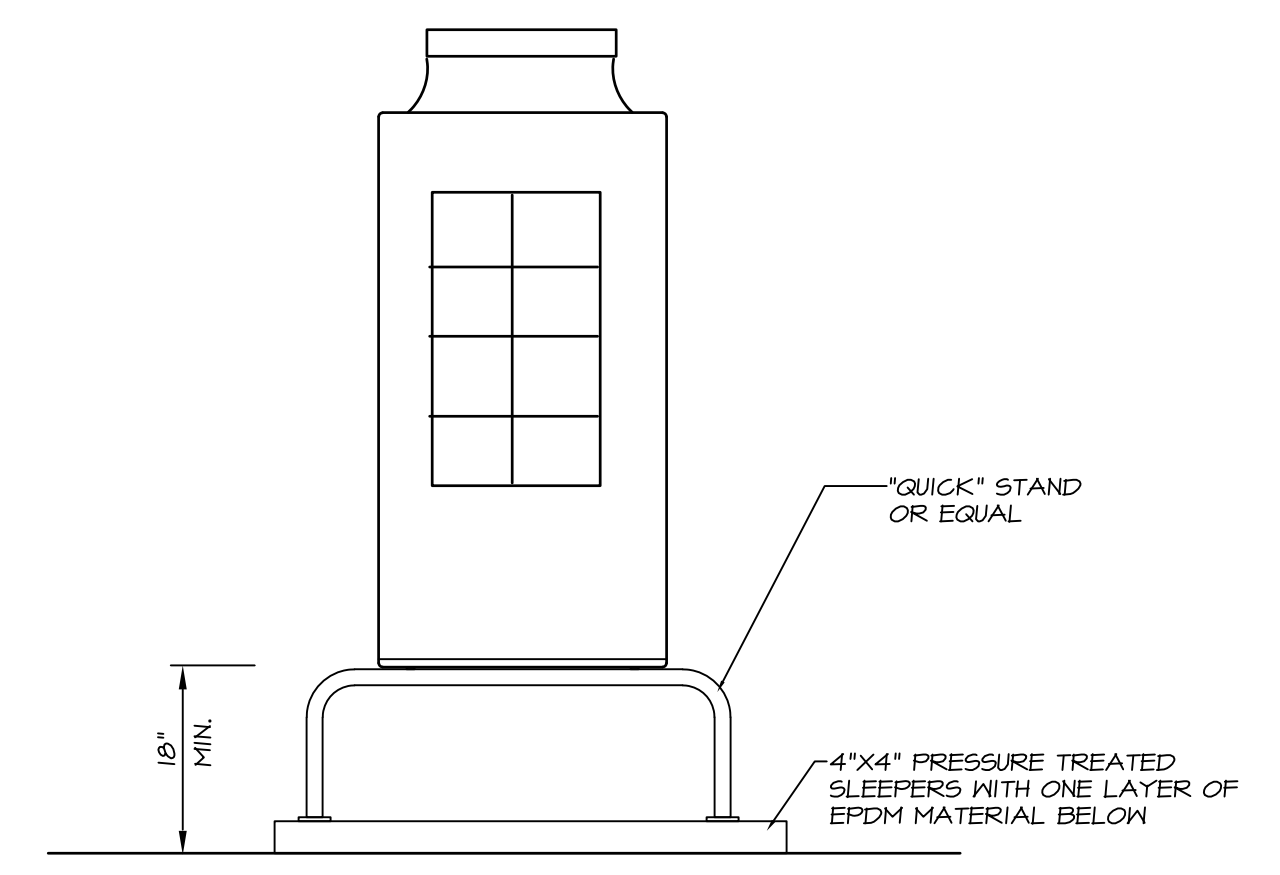
6 DRYER WALL BOX
NO SCALE



8 ERV-1 ROOF CURB DETAIL
NO SCALE

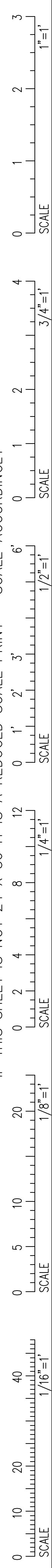


7 WALL HOOD
NO SCALE



9 SINGLE UNIT ON STAND ELEVATION OU-1
NO SCALE

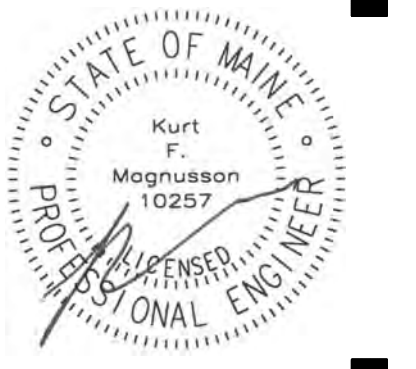
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FARMINGTON, MAINE

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Date Issued APRIL 12, 2024

Project Number

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MECHANICAL SCHEDULES

Drawn By

Checked By M3.1
KFM

VARIABLE REFRIGERANT FLOW OUTDOOR UNIT SCHEDULE

Table with columns: TAG, BID STATUS, DESIGN MANUFACTURER AND MODEL, UNIT TYPE, NOMINAL TONS, COOLING BTUH, HEATING BTUH, DUCTED IEER, DUCTED COP, ELECTRIC (POWER, MCA, MOP), REFRIGERANT, WEIGHT, REMARKS.

* COOLING OPERATING RANGE OF 23DEG. F. TO 126 DEG. F. ** HEATING OPERATING RANGE OF -27 DEG. F. TO 60 DEG. F.

BRANCH CONTROLLER SCHEDULE

Table with columns: TAG, BID STATUS, DESIGN MANUFACTURER & MODEL, BRANCHES, ELECTRIC (POWER, FLA), REMARKS.

ELECTRIC WALL HEATER SCHEDULE

Table with columns: TAG, BID STATUS, DESIGN MANUFACTURER & MODEL, TYPE, ELECTRIC (POWER, WATTS), REMARKS.

* EWH-3 IS TO BE INCLUDED IN THE BASE BID BUT ITS LOCATION WILL CHANGE IF ONLY THE BASE BID IS TAKEN

VARIABLE REFRIGERANT FLOW INDOOR UNIT SCHEDULE

Table with columns: TAG, BID STATUS, DESIGN MANUFACTURER AND MODEL, NOMINAL TONS, OA CFM, ELECTRIC (POWER, MCA), REFRIGERANT, WEIGHT, REMARKS.

ENERGY RECOVERY VENTILATOR SCHEDULE

Table with columns: TAG, BID STATUS, DESIGN MANUFACTURER AND MODEL, RECOVERY TYPE, EFFECTIVENESS (SENSIBLE, WINTER, SUMMER), WINTER O.A. (TEMP., GRAINS), EXHAUST AND SUPPLY (EXHAUST, SUPPLY), ELECTRIC (POWER, MCA, MOP), WEIGHT, REMARKS.

ELECTRIC DUCT HEATER SCHEDULE

Table with columns: TAG, BID STATUS, DESIGN MANUFACTURER & MODEL, TYPE, CFM, DUCT WIDTH, DUCT HEIGHT, INLET TEMPERATURE, OUTLET TEMPERATURE, ELECTRIC (POWER, KW), OPTIONS REQUIRED, CONTROL.

AIR TERMINAL SCHEDULE

Table with columns: TAG, MANUFACTURER & MODEL, SIZE, MAX NC, MAX SP, REMARKS.

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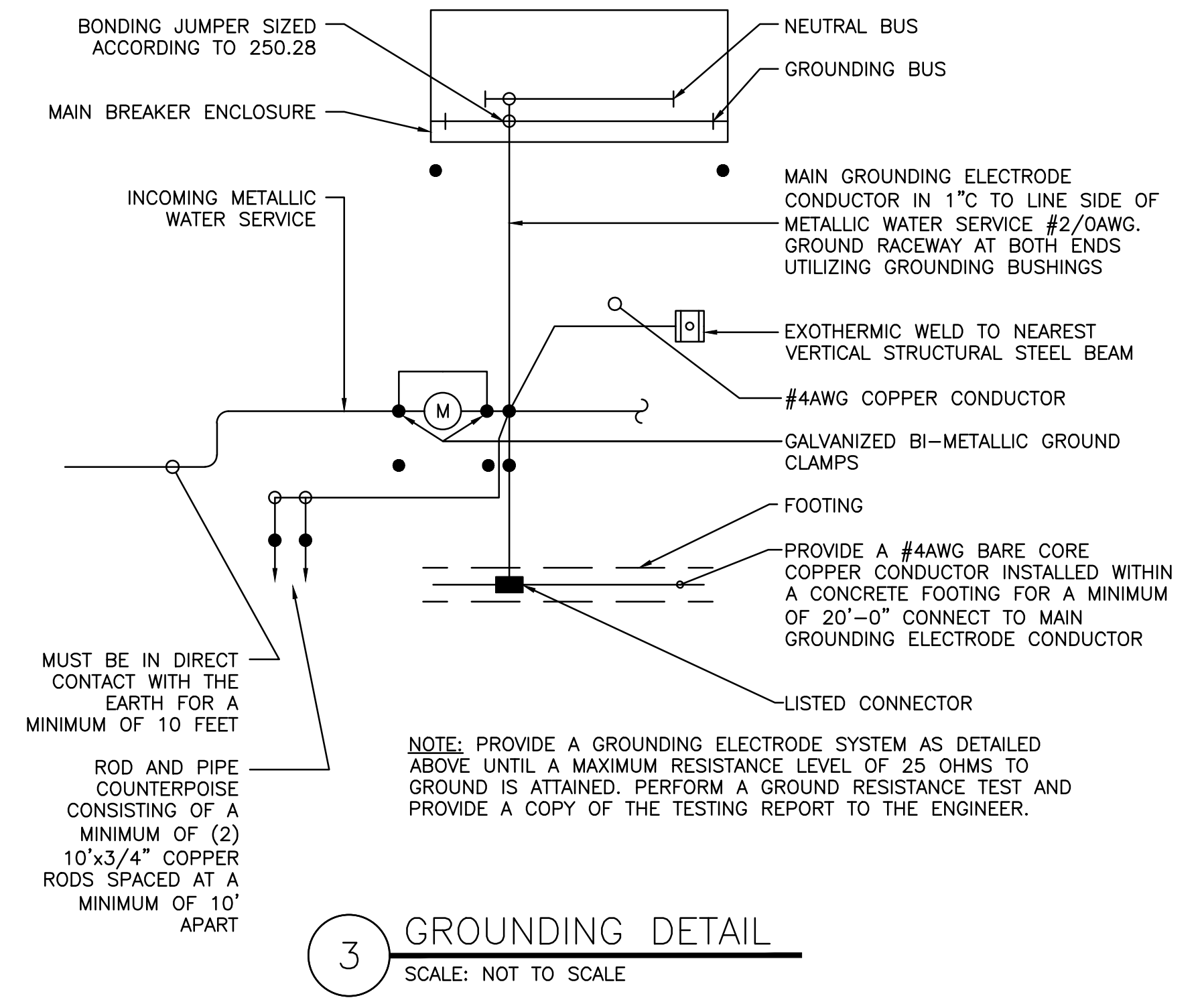
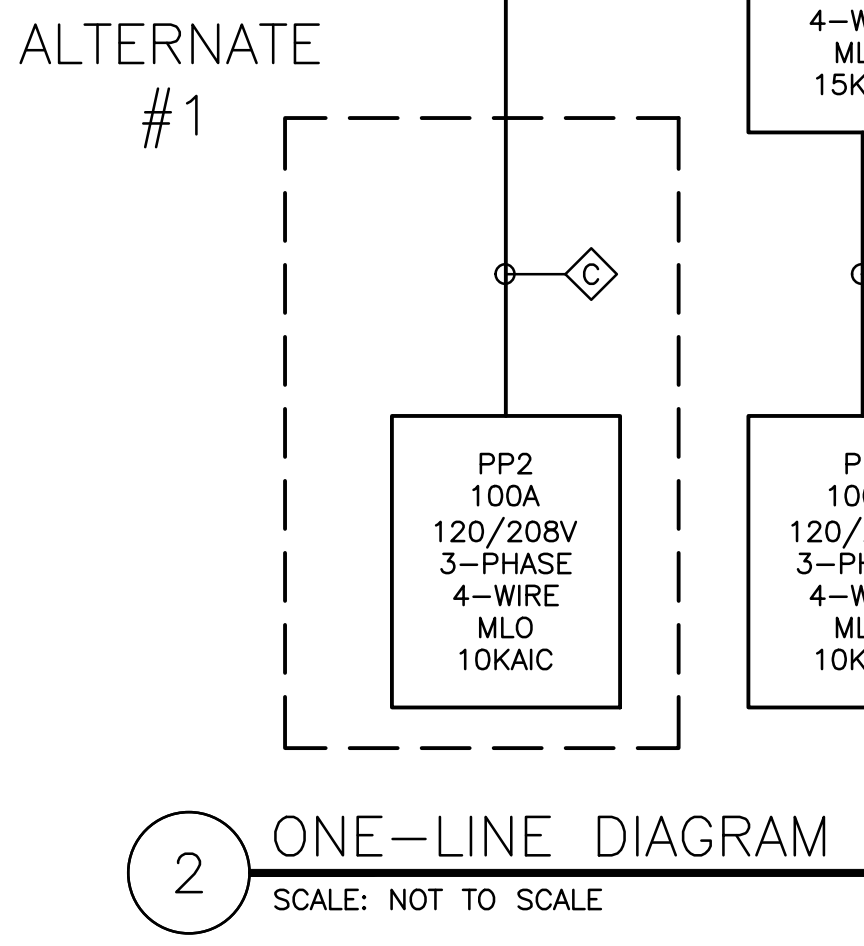
DIRECTORY	KVA LOAD			CKT #	BKR AMPS	PHASE	BKR AMPS	CKT #	KVA LOAD			DIRECTORY		
	A	B	C						A	B	C			
PANEL PP2	4.4			1		A	100	2	0.4			PANEL PD		
		4.5		3		B	100	4		0.4				
			4.2	5		C	100	6			0.4			
OU-1	6.8			7		A	90	8	2.1			ERV-1		
		6.8		9		B	90	10		2.1				
			6.8	11		C	90	12			2.1			
WH-1	3.0			13		A	30	14	2.0			EDH-1		
		3.0		15		B	30	16		2.0				
			3.0	17		C	30	18			2.0			
IU-1, 2, 3 & 4	0.9			19		A	20	20	0.8			EW-1		
		0.9		21		B	20	22		0.8				
			0.9	23		C	20	24			1.3	EW-2		
IU-5, 6, 7, & 8	0.9			25		A	20	26	1.3					
		0.9		27		B	20	28		*				
			1.0	29		C	20	30			*	SPARE		
GENERATOR BLOCK HEATER	1.5			31	20	A	30	32	2.5			STACKED WASHER/DRYER		
GENERATOR BATTERY CHARGER		0.4		33	20	B	30	34		2.5				
			3.1	35		C	20	36			0.8	EOC/TRAINING/LOBBY LTS.		
EV CHARGER		3.1		37	40	A	20	38	1.0			ADMIN/CID/SHERIFF/DEP. LTS.		
			3.1	39	40	B	20	40		1.0		CORR./EVIDENCE/FITNESS LTS.		
EV CHARGER			3.1	41	40	C	20	42			0.9	CONF./BREAK/EMA LTS.		
SPARE	*			43	20	A	20	44	0.2			EXTERIOR BUILDING LTS.		
SEWAGE PUMP STATION		1.2		45	20	B	20	46		0.5		ATTIC LTS.		
PATROL LT. 130 RECEPTS.			0.9	47	20	C	20	48			0.8	EUH-3 (BASE BID ONLY)		
CHIEF DEP. 129 RECEPTS.			0.9	49	20	A	20	50	0.8					
SHERIFF 128 RECEPTS.		1.1		51	20	B	20	52	0.2			SPRINKLER RM. RECEPT.		
CID LT. 126 RECEPTS.			0.9	53	20	C	20	54		0.4		BFP-1		
CID OFFICE 125 RECEPTS.	1.1			55	20	A	20	56	0.8			EXTERIOR & ROOF RECEPTS.		
INTERVIEW 123 RECEPTS.		0.8		57	20	B	20	58		1.1		EOC TRAINING 102 RECEPTS.		
CORRIDOR RECEPTS.			0.8	59	20	C	20	60		0.8		EOC TRAIN. 102 FLR. BOXES		
EVID. PROC. 137 GFI RECEPTS.	0.4			61	20	A	20	62	0.8			EOC TRAIN. 102 FLR. BOXES		
CORRIDOR RECEPTS.		0.9		63	20	B	20	64		1.3		EOC TRAINING 102 RECEPTS.		
BATHROOM GFI RECEPTS.			0.8	65	20	C	20	66		0.9		EMA OFFICE 109 RECEPTS.		
EXTERIOR POLE LTS.	0.3			67	20	A	20	68	1.1			EMA OFFICE 109 RECEPTS.		
PATROL BULLPEN 133 RCPTS.		1.1		69	20	B	20	70		1.3		IT OFFICE 113 RECEPTS		
PATROL BULLPEN 133 RCPTS.			1.3	71	20	C	20	72		0.6		BREAKROOM COUNTER RCPTS. & REFRIGERATOR		
SARGENT 134 RECEPTS.	0.8			73	20	A	20	74	0.4			BREAKROOM COUNTER RCPTS.		
SPARE		*		75	20	B	20	76		0.6		BREAKROOM RECEPTS.		
SPARE			*	77	20	C	20	78		0.4		PUBLIC BATHROOM RECEPTS.		
WATER FOUNTAIN	1.0			79	20GFI	A	20	80	1.1			LOBBY 101 RECEPTS.		
FITNESS 115 RECEPTS.		0.8		81	20	B	20	82		1.1		ADMIN. OFFICE 111 RECEPTS.		
CONFERENCE 117 RECEPTS.			1.3	83	20	C	20	84		1.1		CID OFFICE 121 RECEPTS.		
SUBTOTAL	25.1	25.6	27.9						15.3	14.9	12.5	SUBTOTAL		
VOLTAGE: 208Y/120V			PHASE: 3	POLES: 4			TOTAL KVA A-PHASE			40.4			PANEL	PP1
MAIN BREAKER: 400A			BUS AMPS: 400A			TOTAL KVA B-PHASE			40.5					
MOUNTING: SURFACE			TOTAL KVA C-PHASE			40.4			LOCATION			ELECTRICAL 105		
SHORT CIRCUIT RATING: 15KAIC			TOTAL KVA			121.3			NOTES:					

1 ELECTRICAL PANEL SCHEDULES
SCALE: NOT TO SCALE

DIRECTORY	KVA LOAD			CKT #	BKR AMPS	PHASE	BKR AMPS	CKT #	KVA LOAD			DIRECTORY		
	A	B	C						A	B	C			
IU-12, 13, 14 & BC-2	0.9			1		A	20	2	*			SPARE		
		0.9		3		B	20	4		0.8		COUNTY OFFICE LTG.		
EW-3			0.8	5		C	20	6			*	SPARE		
WH-3		0.8		7		A	20	8	*			SPARE		
			0.8	9		B	20	10		*		SPARE		
			0.8	11		C	20	12			*	SPARE		
HR 143 RECEPTS.	1.1			13	20	A	20	14	*			SPARE		
COUNTY ADMIN 145 RECEPTS.		0.9		15	20	B	20	16		*		SPARE		
SUE OFFICE 146 RECEPTS.			1.3	17	20	C	20	18		*		SPARE		
ADMIN. ASST. 144 RECEPTS.	0.8			19	20	A	20	20	*			SPACE		
TREASURER 147 RECEPTS.		0.9		21	20	B	20	22		*		SPACE		
BOOKKEEPER 149 RECEPTS.			1.1	23	20	C	20	24		*		SPACE		
CONFERENCE 148 RECEPTS.	0.8			25	20	A	20	26	*			SPACE		
EXTERIOR RECEPT.		0.2		27	20	B	20	28		*		SPACE		
JANITOR 151 RECEPT.			0.2	29	20	C	20	30		*		SPACE		
SUBTOTAL	4.4	3.7	4.2						0.0	0.8	0.0	SUBTOTAL		
VOLTAGE: 208Y/120V			PHASE: 3	POLES: 4			TOTAL KVA A-PHASE			4.4			PANEL	PP2
MAIN LUGS ONLY			BUS AMPS: 100A			TOTAL KVA B-PHASE			4.5					
MOUNTING: SURFACE			TOTAL KVA C-PHASE			4.2			LOCATION			JANITOR 151		
SHORT CIRCUIT RATING: 10KAIC			TOTAL KVA			13.1			NOTES:					

ALTERNATE #1

DIRECTORY	KVA LOAD			CKT #	BKR AMPS	PHASE	BKR AMPS	CKT #	KVA LOAD			DIRECTORY		
	A	B	C						A	B	C			
I.T. RECEPTACLES	0.4			1	20	A	20	2	*			SPARE		
I.T. RECEPTACLES		0.4		3	20	B	20	4		*		SPARE		
I.T. RECEPTACLES			0.4	5	20	C	20	6		*		SPARE		
SPARE	*			7	20	A	20	8	*			SPARE		
SPARE		*		9	20	B	20	10		*		SPARE		
SPARE			*	11	20	C	20	12		*		SPARE		
SUBTOTAL	0.4	0.4	0.4						0.0	0.0	0.0	SUBTOTAL		
VOLTAGE: 208Y/120V			PHASE: 3	POLES: 4			TOTAL KVA A-PHASE			0.4			PANEL	PD
MAIN LUGS ONLY			BUS AMPS: 100A			TOTAL KVA B-PHASE			0.4					
MOUNTING: SURFACE			TOTAL KVA C-PHASE			0.4			LOCATION			SERVER 110		
SHORT CIRCUIT RATING: 10KAIC			TOTAL KVA			1.2			NOTES:					

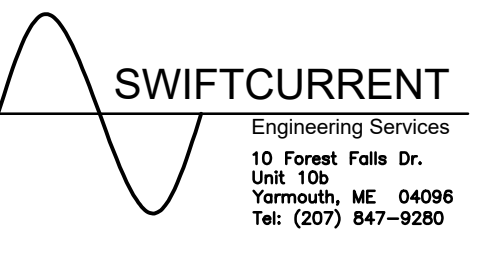
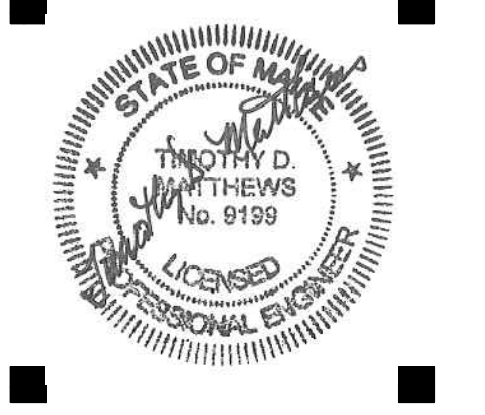


NOTES:
1. SEE E0.0 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.

WIRING SCHEDULE:
 A 4#500KCM CU, 4°C.
 B 4#500KCM CU & #3 CU GND., 3°C.
 C 4#2AWG CU & #6 CU GND, 1-1/4°C.



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FRANKLIN COUNTY
FARMINGTON, MAINE

ISSUED FOR BIDDING
Date Issued April 12, 2024
Project Number 22418
Scale As Noted
SHEET NAME

ELECTRICAL POWER & SYSTEMS PLAN (PARTIAL)

Drawn By TDM
Checked By TDM
E1.2



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FARMINGTON, MAINE

BID SET

Date Issued **APRIL 12, 2024**

Project Number

Scale **3/16" = 1'**

SHEET NAME

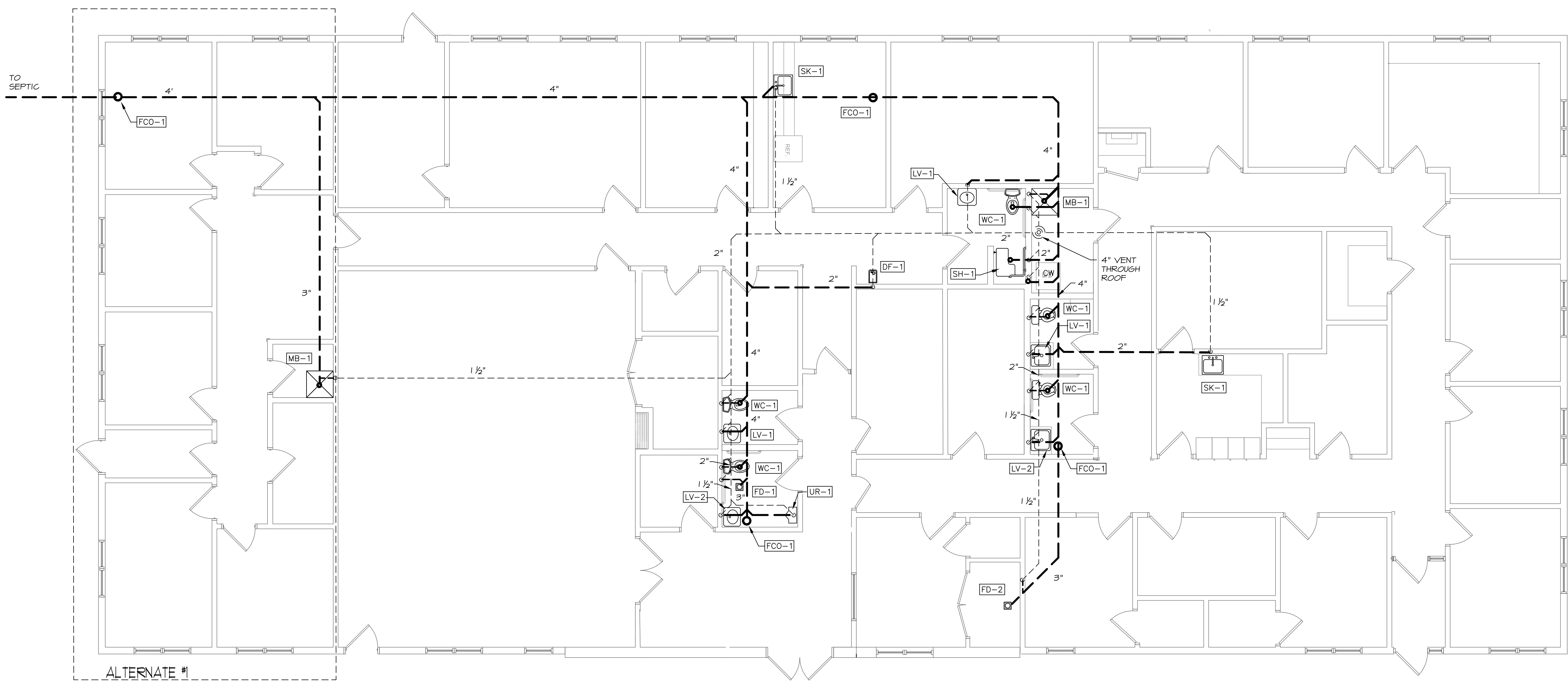
PLUMBING DRAIN & VENT PLAN

Drawn By

Checked By

P1.1

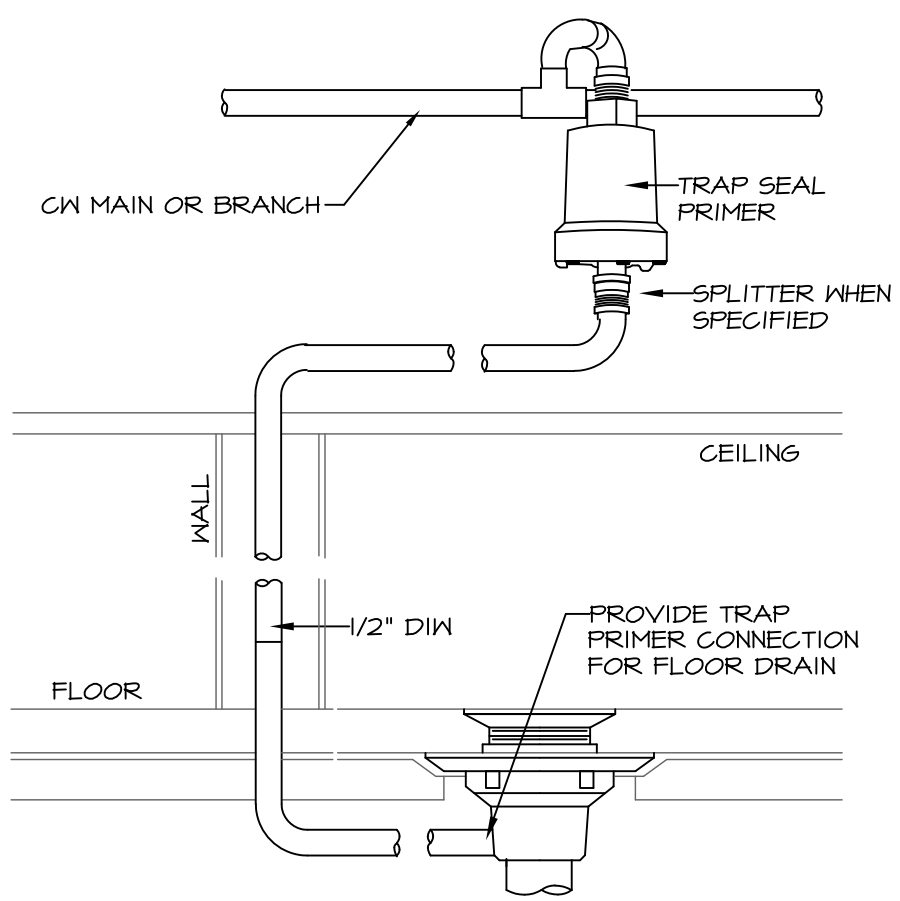
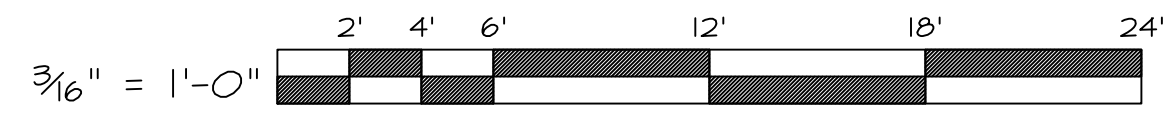
KFM



ALTERNATE #1

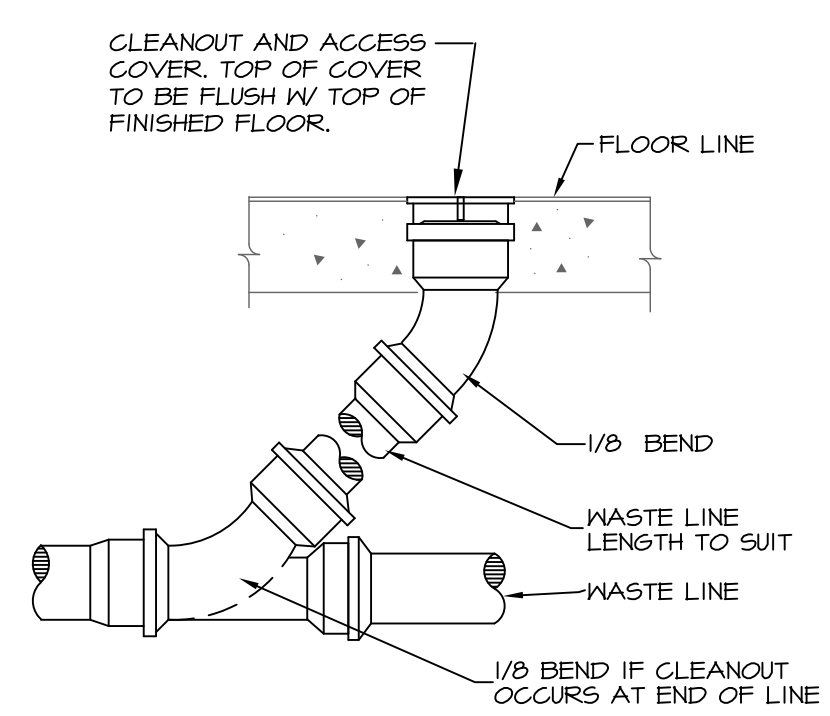
1 PLUMBING DRAIN & VENT FLOOR PLAN

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



2 TP-1 TRAP SEAL PRIMER DETAIL

SCALE: NONE



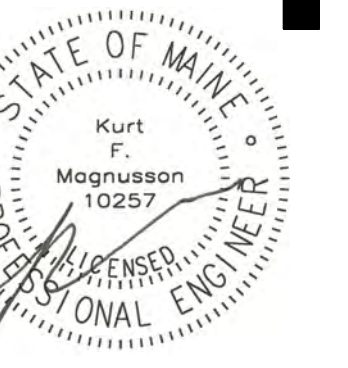
3 FLOOR CLEAN OUT DETAIL

SCALE: NONE



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Scale **NONE**

SHEET NAME

PLUMBING SCHEDULES NOTES

Drawn By

Checked By

KFM

P2.1

GENERAL NOTES

- All work shall be in accordance with the State Plumbing Code, local codes and ordinances, National Fire Code (NFPA), or these plans or specifications, whichever is more strict.
- All drawings are schematic only, and are intended to indicate the intent, extent, and general arrangement of work. They are not meant to show every fitting, change of direction or every situation. Verify locations in the field. Work indicated shall be furnished complete to perform the function intended.
- Carefully coordinate the space requirements and location of piping with the other trade contractors. Reserve space for sprinkler mains. If coordination fails, conflicts will be decided in favor of the other contractors with this contractor relocating his piping and equipment at no expense to the Owner.
- All plumbing fixtures shall be vented.
- This contractor shall make all final plumbing connections to equipment/ fixtures provided by other contractors.
- For pipe sizes not shown on floor plans, refer to adjacent or enlarged plumbing plans, then appropriate schedules, details, specifications, equipment connection sizes and minimum Code requirements. For otherwise indeterminate pipe segments, the size shall be the same as the largest adjacent segment. Where pipe sizes are erroneously shown to decrease then increase, the smaller segment shall be increased to match the larger segment. When a conflict exists, the larger size shall govern. Pipe sizes are nominal (not O.D.) unless specifically noted otherwise.
- All piping shall run concealed above ceilings, in walls, in soffits and in chases unless noted otherwise. Special care shall be taken when dropping 3" nominal pipe in 3-1/2" wall cavities to ensure correct fit and alignment.
- No structural members shall be cut without approval of the Architect.
- All plumbing shall be supported from the building structure. All piping containing liquid 2" and larger shall be supported from the top chord of bar joists unless permission to do otherwise is obtained from the Structural Consultant. All piping drops to fixtures shall be anchored solid to walls with a steel support bracket with adjustable clip.
- All water piping shall be installed parallel to building lines and pitched to low points. Provide drain-offs at low points. Piping shall be run neatly grouped together when practical. Allow room between all piping and other obstructions to allow for the installation of the specified pipe insulation.
- All piping through roofs, concrete walls and masonry partitions shall have steel pipe sleeves. Openings between pipes and sleeves shall be caulked and sealed smoke and water tight. All pipe penetrations through a fire rated wall or floor shall have a UL rated fire stop system rated to match the rating of the wall, as per the NFPA.
- All wall fixtures shall be carrier mounted unless otherwise specified.
- All domestic and storm water piping shall be insulated unless otherwise specified.
- Run all piping on warm side of building insulation. No water, or drain lines shall be run in exterior walls, unless directly indicated.
- Provide shock absorbers where shown on drawings, and on tops of risers to all flush valves, dishwashers and clothes washers. Sizes shall conform to P.D.I. standards.
- All sanitary waste piping less than 4" shall pitch down at 1/4" per L.F. All 4" and larger piping shall pitch at 1/8" per L.F. whenever possible. No sanitary/ waste piping under slab shall be less than 2" in diameter.

LINE TYPES & SYMBOLS

	SANITARY/ WASTE PIPING BELOW SLAB
	SANITARY / WASTE PIPING ABOVE
	VENT PIPING ABOVE
	VENT PIPING BELOW
	COLD WATER PIPING
	120 DEG HOT WATER PIPING
	HOT WATER RECIRCULATION
	BALL VALVE
	VERTICAL BALL VALVE
	CHECK VALVE
	VACUUM RELIEF VALVE
	RELIEF VALVE
	PRESSURE REDUCING VALVE
	THERMOMETER
	STRAINER
	DROP/RISE IN LINE
	LINE UP TO FLOOR ABOVE
	TEE -DROP
	UNION
	VENT THROUGH ROOF
	HOSE BIB

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	COLD WATER	HOT WATER	SAN/ WASTE	UPC MAX. TRAP ARM	IPC MAX. TRAP ARM	VENT	REMARKS
GW	CLOTHES WASHER, SUPPLY AND DRAIN UNIT	1/2"	1/2"	2"	60"	96"	1/2"	RECESSED WALL BOX
IM-1	ICE MAKER WATER SUPPLY BOX	1/2"	-	-	-	-	-	RECESSED WALL BOX
LV-1	LAVATORY - WALL MOUNT	1/2"	1/2"	1/4" X 1/2"	42"	72"	1/2"	1.2 GPM LAVATORY FAUCET WITH WALL CARRIER
LV-2	LAVATORY, WALL-MOUNT ADA	1/2"	1/2"	1/4" X 1/2"	42"	72"	1/2"	1.2 GPM SINGLE HANDLE FAUCET, WITH WALL CARRIER, RIM 34" AFF, ADA INSULATION KIT
MB-1	MOP BASIN	1/2"	1/2"	3"	72"	120"	1/2"	24"X24" MOLDED STONE, VINYL BUMPER GUARD, MOP HANGER, STAINLESS STEEL WALL GUARD AND SERVICE FAUCET
SH-1	SHOWER -LEFT HAND CONTROL - ADA	1/2"	1/2"	2"	60"	96"	1/2"	36" GELCOAT FIBERGLASS, PRESSURE BALANCED VALVE AND 1.5 GPM, ADA SHOWER HEAD AND VERTICAL AND HORIZONTAL GRAB BAR
SK-1	SINK, SINGLE BOWL - ADA	1/2"	1/2"	1/2"	42"	72"	1/2"	S.S. 22"X25"X6 1/2" - COUNTER MOUNT - KITCHEN FAUCET WITH SPRAY, RIM AT 34"
UR-1	URINAL - WALL MOUNTED-ADA	3/4"	-	2"	72"	-	1/2"	0.125 GPF FLUSH VALVE, VC, CARRIER, RIM AT 17" AFF
WC-1	WATER CLOSET, PRESSURE ASSISTED TYPE, FLOOR MTD., LEFT HAND-ADA	1/2"	-	3"	72"	NA	2"	1.28 GPF, VC, 16 1/2" TO RIM, 18" CENTERLINE TO SIDEWALL, 2" OPEN FRONT SEAT LESS COVER

WATER SPECIALTIES SCHEDULE

TAG	ITEM	CW	HW	OUTLET	REMARKS
BFP-1	WATER ENTRANCE RPZ BACKFLOW PREVENTER	1 1/2"	--	SAME	
ET-1	EXPANSION TANK, POTABLE WATER	3/4"	--	--	
ET-2	EXPANSION TANK, POTABLE WATER	1/2"	--	--	
HB-1	NON-FREEZE HOSE BIB WITH VACUUM BREAKER	3/4"	--	3/4" GHT	
MV-1	MASTER MIXING VALVE	3/4"	3/4"	3/4"	120 DEG. MIXED
MV-2	MASTER MIXING VALVE	1/2"	1/2"	1/2"	120 DEG. MIXED
SA-1	SHOCK ABSORBER	1/2" OR 3/4"	--	--	
TP-1	TRAP SEAL PRIMER	1/2"	--	1/2"	WITH SPLITTER

DRAIN SPECIALTIES SCHEDULE

TAG	ITEM	WASTE	VENT	REMARKS
FCO-1	ROUND, FINISHED AREAS FLOOR CLEANOUT	SIZE OF PIPE	--	
FD-1	ROUND MEDIUM DUTY GRATE FLOOR DRAIN	3"	1 1/2"	WITH TRAP PRIMER CONNECTION
FD-2	ROUND RECESSED GRATE FLOOR DRAIN	3"	1 1/2"	WITH TRAP PRIMER CONNECTION

PUMP SCHEDULE

TAG	ITEM	GPM	HEAD	HP	POWER	REMARKS
DCP-1	DOMESTIC RECIRCULATION PUMP	5	10'	1/20	115V	"SMART" PUMP

PLUMBING MATERIALS

SERVICE	MATERIAL	STANDARD	INSULATION	REMARKS
SANITARY DRAIN	SCHEDULE 40 PVC PIPE	ASTM-D-1784 ASTM-D-2665	--	--
VENTS	SCHEDULE 40 PVC PIPE	ASTM-D-1784 ASTM-D-2665	--	--
DOMESTIC COLD WATER - EXPOSED	COPPER	TYPE "L" COPPER	1/2" ARMAFLEX	INSULATION IS FOR CONDENSATION CONTROL
DOMESTIC COLD WATER - CONCEALED	COPPER, FLOWGUARD OR PEX	TYPE "L" COPPER, CPVC OR ASTM 876 PEX	1/2" ARMAFLEX	INSULATION IS FOR CONDENSATION CONTROL
DOMESTIC HOT WATER - EXPOSED	COPPER	TYPE "L"	FIBERGLASS WITH ASJ UP TO 1 1/2" PIPE - 1" 1 1/2" TO 8" PIPE- 1 1/2"	WITH ZESTON INSULATION FITTINGS
DOMESTIC HOT WATER - CONCEALED	COPPER, FLOWGUARD OR PEX	TYPE "L" COPPER, CPVC OR ASTM 876 PEX	FIBERGLASS WITH ASJ UP TO 1 1/2" PIPE - 1" 1 1/2" TO 8" PIPE- 1 1/2"	WITH ZESTON INSULATION FITTINGS
DOMESTIC RECIRCULATION	COPPER	TYPE "L"	FIBERGLASS WITH ASJ UP TO 1 1/2" PIPE - 1" 1 1/2" TO 8" PIPE- 1 1/2"	WITH ZESTON INSULATION FITTINGS

ELECTRIC WATER HEATER SCHEDULE

TAG	DESIGN MANUFACTURER & MODEL NUMBER	ELECTRIC			ELECTRIC COILS	TANK STORAGE	REMARKS
		POWER	KW	AMPS			
WH-1	AO SMITH DRE-52-4	20160/3	9.0	24.9	TWO 4.5KW SIMULTANEOUS	50 GALLONS	--
WH-2	AO SMITH DEL-205-1.5	208160/1	1.5	7.2	TWO 1.5 KW NON-SIMULTANEOUS	20 GALLONS	MOUNT ON HOLDRITE SHELF

DRINKING FOUNTAIN SCHEDULE

TAG	ITEM	ELECTRIC		REMARKS
		POWER	AMPS	
DF-1	SINGLE LEVEL WITH BOTTLE FILLER -ADA	115/60/1	8.0	REFRIGERATED UNIT