STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

JACKMAN MAINTENANCE
SALT SHED

SPECIFICATIONS

Design: International Building Code 2009

DESIGN LOADING

Live Load ..... Impact of 30,000lb Vehicle @ Endwall Concrete Only
Ground Snow Load 100psf
Wind Load 90mph
..... Exposure C, Catagory I

MATERIALS

Reinforcing Steel ..... ASTM A615, Grade 60, Epoxy Coated
Structural Steel:
All Material (except as noted) ..... ASTM A709, Grade 50
High Strength Bolts ..... ASTM A325, Type I

BASIC DESIGN STRESSES

Concrete ..... f 'c = 4,350 psi

Reinforcing Steel ..... f y = 60,000 psi

LIST OF DRAWINGS

PROJECT LOCATION:	Jackman, ME 0.3 miles East along Route 15 from Route 201
PROGRAM AREA:	Highway Maintenance Program
OUTLINE OF WORK:	Construction of Salt Storage Building

WIN 19725.10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED
COMMISSIONER — DATE 4/6/12
CHIEF ENGINEER — DATE 4/6/12

STATE OF MAINE
ERIC A. CALDERWOOD
No. 9099
LICENSED PROFESSIONAL ENGINEER

SIGNATURE
9099
P.E. NUMBER
FEBRUARY 2012
DATE

PROJECT INFORMATION

PROGRAM	HIGHWAY	
PROJECT MANAGER	G. MACMUNN	
DESIGNER	O. KRAUSS	
CONSULTANT	CALDERWOOD ENGINEERING	
PROJECT RESIDENT		
CONTRACTOR		
PROJECT COMPLETION DATE		

JACKMAN MAINTENANCE
SALT SHED

TITLE SHEET

SHEET NUMBER
1
OF 14

Filename:\Jackman\001_Title.dgn Division: BRIDGE Username: common Date:5/22/2012

S = SEPTIC TANK
W = WELL
D = DIESEL TANK INSTALLED (1979)
NL = NO LEAD TANK INSTALLED (1950)
WO = WASTE OIL TANK REMOVED (1986)
H = HEATING OIL TANK INSTALLED (1966)
R = REGULAR GAS TANK INSTALLED (1963)
L = LIGHT POLE
TS = TAILGATE SANDER
HS = HOPPER SANDER
IS = GAS ISLAND

U.S. ROUTE 201

ROUTE 15

I.P.

N08°-24'E

CMP 8 8

CMP 9 9

I.P.

DITCH AS REQUIRED FOR DRAINAGE

Floor Drain

W.O.

GARAGE (8 BAYS)

W

I.S. NL D R

PAVED AREA

PATCH PILE

SALT SHED

EXISTING SAND PILE

1496'

10'-0"

PROPOSED MAINTENANCE BUILDING

OUTSIDE PAVEMENT LIMITS

30'-0"

10'-0"

C.B.

RAMP

CMP 758

T.S.

APPROXIMATE UNDERDRAIN TERMINATION

1442'
S04°-56'E

CMP 757

CENTRAL MAINE POWER CO.

CMP 756 35 10

NOTES:

1.) PAVEMENT LIMITS ON EXTERIOR OF SALT SHED ARE AS SHOWN. PAYMENT FOR 2FT OF GRAVEL LIMITS AND 3:1 SIDE SLOPE SHALL BE CONSIDERED INCIDENTAL TO RELATED WORK.

2.) EXACT LOCATION OF THE UNDERDRAIN TERMINATION SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT.

3.) CONTRACTOR WILL BE REQUIRED TO EXCAVATE, SUPPLY, INSTALL, BACKFILL AND COMPACT, PER NATIONAL ELECTRICAL CODE (NEC) UP TO 250FT OF SCHEDULE 80, 2"ϕ CONDUIT. THE CONDUIT WILL EXIT THE NEW SALT BUILDING AS SHOWN IN PLANS AND TRAVEL TO THE EXISTING GARAGE AS INDICATED ON THE PLANS. THE CONDUIT WILL TERMINATE INTO A 12"x12"x4" WEATHERTITE JUNCTION BOX, 4' ABOVE GRADE, AS MOUNTED ON THE EXISTING GARAGE. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE AND PULL 3 RUNS OF 1/0 ALUMINUM CABLE AND 1 RUN OF #6 ALUMINUM GROUND CABLE FROM THE LOAD CENTER OF THE NEW BUILDING. PAYMENT FOR ELECTRICAL SUPPLY, CONDUIT INSTALLATION AND RELATED WORK SHALL BE CONSIDERED INCIDENTAL TO THE SALT SHED BUILDING.

4.) SEE SHEET 14 FOR GENERAL BUILDING LAYOUT LOCATION.

5.) PAYMENT FOR EXCAVATION AND BACKFILL, INCLUDING GRAVEL, SHALL BE CONSIDERED INCIDENTAL TO SALT SHED BUILDING.

6.) THE PROPOSED SALT SHED BUILDING IS TO BE CONSTRUCTED ON AN OLD RECYCLED PAVEMENT PILE. THEREFORE IT IS ANTICIPATED THAT DURING EXCAVATION VARYING AMOUNTS OF ASHPHALT WILL BE ENCOUNTERED, RANGING FROM, BUT NOT LIMITED TO, 0 TO 20 INCHES. DUE TO THE PRESENCE OF THE ASHPHALT THE EXCAVATED MATERIAL WILL NOT BE SUITABLE TO BE REUSED AS BACKFILL. DURING CONSTRUCTION IF IT IS DETERMINED THAT THERE IS EXCAVATION MATERIAL SUITABLE FOR REUSE THE CONTRACTOR MAY USE THE EXCAVATED MATERIAL FOR BACKFILL AS APPROVED BY THE RESIDENT. ALL EXCAVATED MATERIAL UNSUITABLE FOR REUSE SHALL BE STOCK PILED ON SITE FOR FUTURE USE. EXACT LOCATION OF STOCK PILE SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT.

7.) EXACT LIMITS FOR THE DITCH SHALL BE DETERMINED IN FIELD BY RESIDENT.

PAVEMENT LIMITS ARE AS FOLLOWS:
10 FT ALONG BOTH SIDES OF BUILDING
30 FT IN FRONT OF BUILDING

GRAVEL LIMITS ARE AS FOLLOWS:
2FT BEYOND EDGE OF PAVEMENT AT ALL LOCATIONS

SLOPE PAVEMENT & GRAVEL @ 1/4"/FT AWAY FROM BUILDING
SLOPE @ 3:1 PAST GRAVEL LIMITS TO MATCH EXISTING

CALDERWOOD ENGINEERING, ETC.
STRUCTURAL ENGINEERING • DETAILING SERVICES
222 RIVER RD. RICHMOND, ME 04357 PH/FX (207)737-2007/(207) 737-2008

PREPARED FOR:
STATE OF MAINE DOT

JACKMAN, ME SALT SHED
WIN 19725.10

STATE OF MAINE
ERIC A. CALDERWOOD
No. 9099
LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 9099
DATE FEBRUARY 2012

BY	DATE
OGK	FEB 2012

DESIGN-DETAILED
CHECKED-REVIEWED

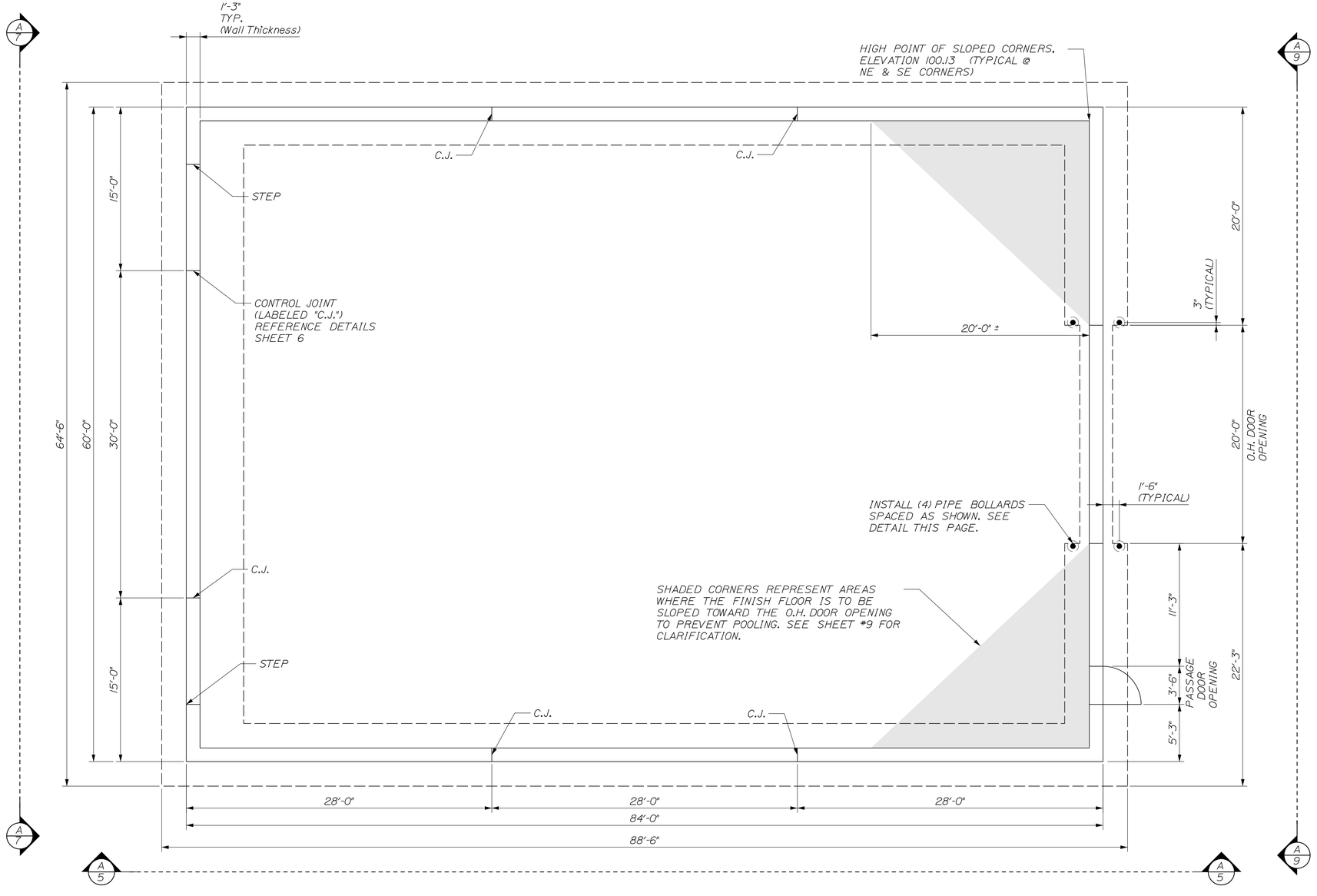
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

JACKMAN MAINTANANCE SALT SHED

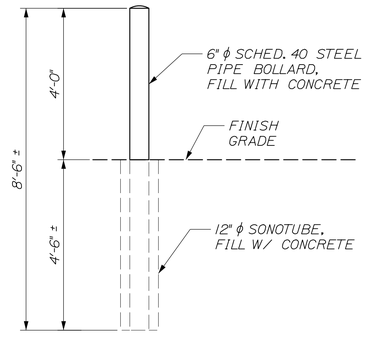
GENERAL SITE PLAN

SHEET NUMBER
2
OF 14

CALDERWOOD ENGINEERING, ETC.
222 RIVER RD. RICHMOND, ME 04357
PH. (207)737-2007 FAX (207) 737-2008



A/3 FOUDATION PLAN
3/16"=1'-0"



PIPE BOLLARD DETAIL
SCALE: 1/2" = 1'-0"

CALDERWOOD ENGINEERING, ETC.
STRUCTURAL ENGINEERING • DETAILING SERVICES
222 RIVER RD. RICHMOND, ME 04357 PH/FX (207)737-2007/(207) 737-2008
PREPARED FOR:
STATE OF MAINE
JACKMAN, ME SALT SHED
WIN 19725.10

ERIC A. CALDERWOOD No. 9099 LICENSED PROFESSIONAL ENGINEER
P.E. NUMBER 9099
DATE FEBRUARY 2012

BY	DATE
GGK	FEB 2012

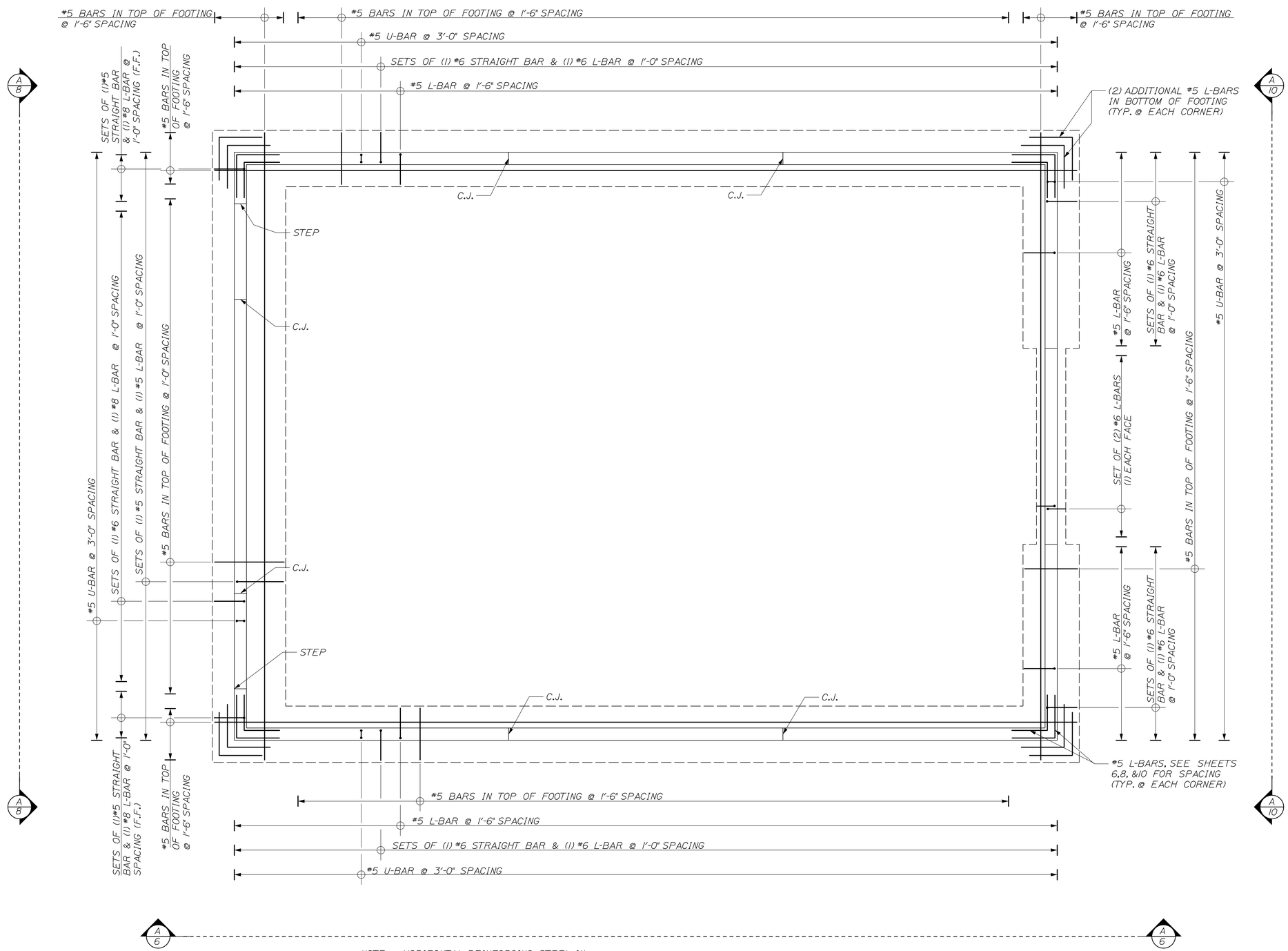
DESIGN-DETAILED
CHECKED-REVIEWED
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

JACKMAN MAINTANANCE SALT SHED
FOUNDATION PLAN

SHEET NUMBER
3
OF 14

CALDERWOOD ENGINEERING, ETC. 222 RIVER ROAD RICHMOND, ME 04357 PH. (207) 737-2007 FAX (207) 737-2008

Filename: ...\003_Foundation_Plan.dgn Workgroup: Structures Division Username: common Date:5/22/2012



NOTE: HORIZONTAL REINFORCING STEEL IN FOUNDATION WALL NOT SHOWN, SEE SHEETS 6, 8, & 10 FOR DETAILS NOT SHOWN HERE.

A 4 REINFORCING PLAN
3/16"=1'-0"

CALDERWOOD ENGINEERING, ETC.
STRUCTURAL ENGINEERING • DETAILING SERVICES
222 RIVER RD. RICHMOND, ME 04357 PH/FX (207)737-2007/(207) 737-2008

PREPARED FOR:
STATE OF MAINE DOT

JACKMAN, ME SALT SHED
WIN 19725.10

STATE OF MAINE
ERIC A. CALDERWOOD
No. 9099
LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 9099

DATE FEBRUARY 2012

BY	DATE
OGK	FEB 2012

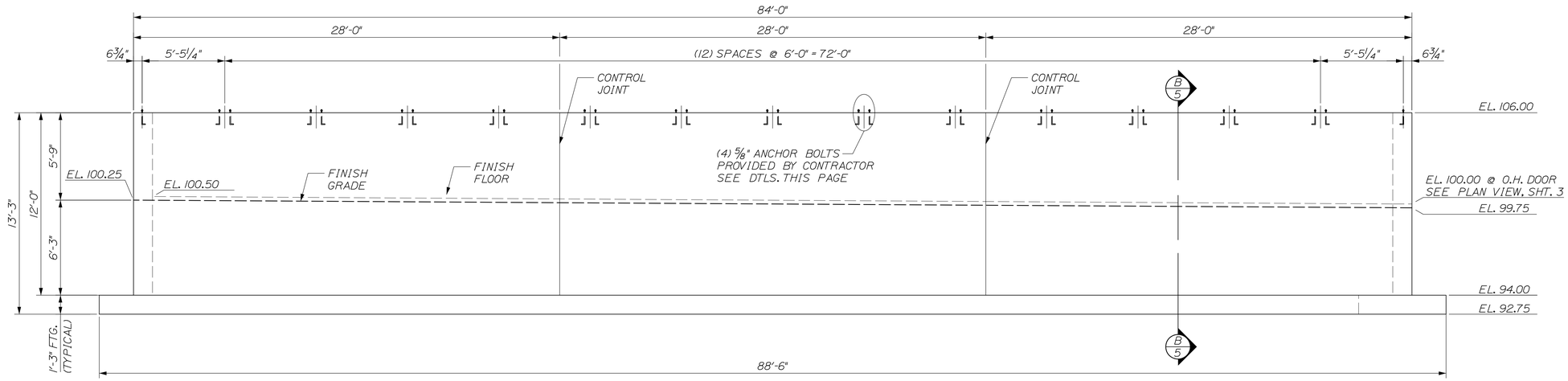
DESIGN-DETAILED
CHECKED-REVIEWED

REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

JACKMAN MAINTANANCE SALT SHED
FOUNDATION REINFORCING PLAN

SHEET NUMBER
4
OF 14

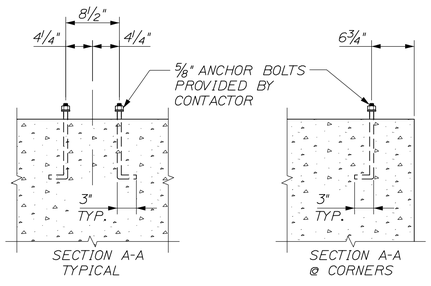
CALDERWOOD ENGINEERING, ETC.
222 RIVER ROAD
RICHMOND, ME 04357
PH. (207) 737-2007 FAX (207) 737-2008

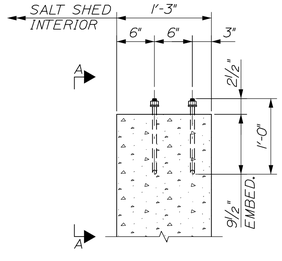


A/5 SIDEWALL ELEVATION

SCALE: ¼" = 1'-0"
TYPICAL FOR NORTH AND SOUTH SIDEWALLS
ARCHES NOT SHOWN

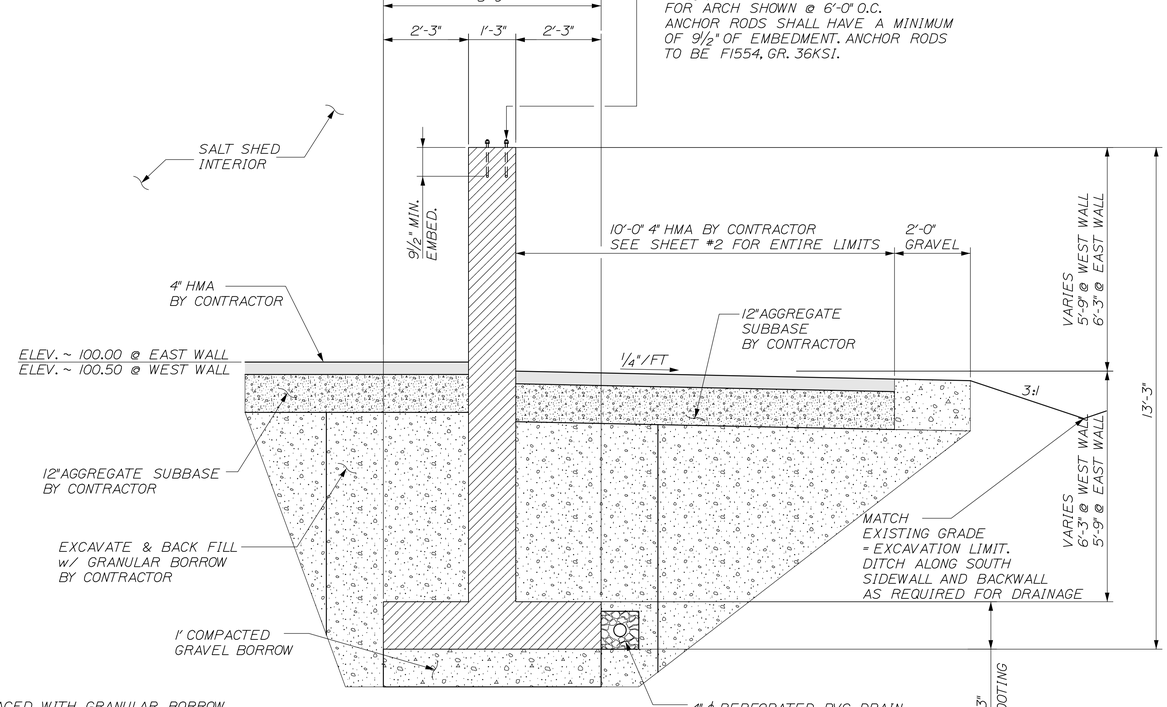
NOTE:
ACTUAL ANCHOR BOLT LAYOUT TO BE COORDINATED WITH THE LAMINATED ARCH MANUFACTURER. GENERAL CONTRACTOR IS RESPONSIBLE FOR CHECKING LAYOUT OF ANCHOR BOLTS WITH ARCH BASE PLATES TO ENSURE A PROPER FIT.





ANCHOR BOLT DETAIL

SCALE: 1" = 1'-0"



B/5 SIDEWALL SECTION

SCALE: ½"=1'-0"

NOTES:
1.) EXCAVATED MATERIAL SHALL BE REPLACED WITH GRANULAR BORROW. EXCAVATED MATERIAL SHALL BE STOCK PILED ON SITE FOR REUSE. LOCATION OF STOCK PILE SHALL BE DETERMINED BY RESIDENT IN FIELD.
2.) ELEVATIONS SHOWN ARE BASED OFF AN ARBITRARY DATUM.
3.) BACKSLOPE MAY BE REQUIRED IN SOME AREAS TOWARDS REAR OF BUILDING AND SIDEWALL. BACKSLOPE TO FORM DITCH LINE THAT ALLOWS DRAINAGE AROUND BUILDING.
4.) GRANULAR BORROW BACK FILL LIMITS SHALL EXTEND 18INCHES PAST THE END OF THE FOOTING (BOTH SIDES) TYPICAL ALONG EACH WALL.

CALDERWOOD ENGINEERING, ETC.
STRUCTURAL ENGINEERING • DETAILING SERVICES
222 RIVER RD. RICHMOND, ME 04357 PH/FX (207)737-2007/(207) 737-2008

PREPARED FOR:
STATE OF MAINE

JACKMAN, ME SALT SHED
WIN 19725.10

STATE OF MAINE
ERIC A. CALDERWOOD
No. 9099
LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 9099
DATE FEBRUARY 2012

BY	DATE
OGK	FEB 2012

DESIGN-DETAILED
CHECKED-REVIEWED

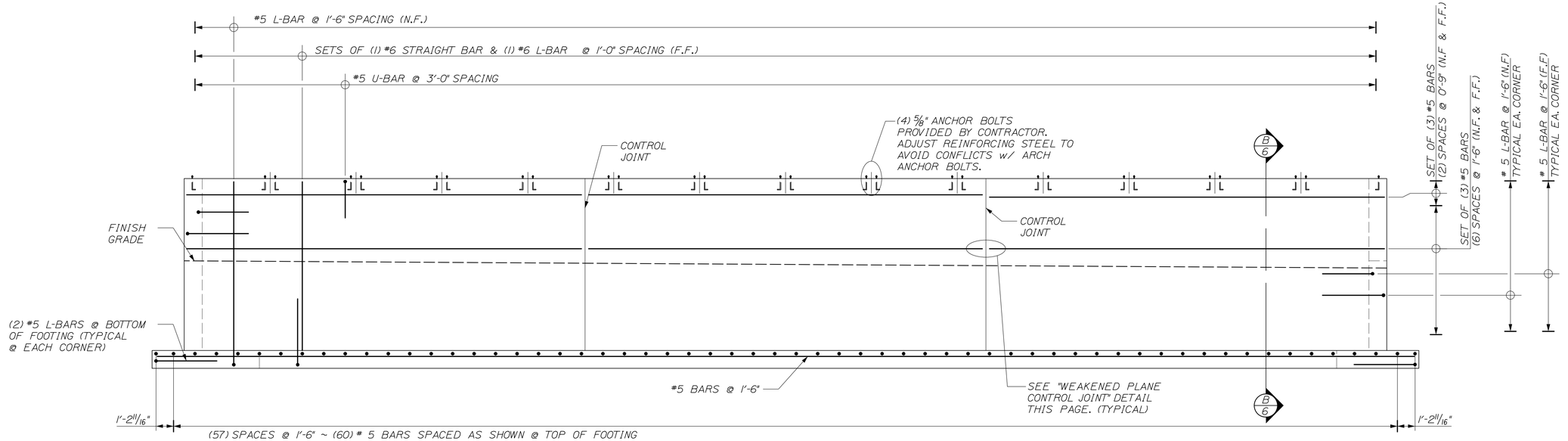
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

JACKMAN MAINTANANCE SALT SHED

NORTH & SOUTH SIDEWALL DIMENSIONAL DETAILS

SHEET NUMBER
5
OF 14

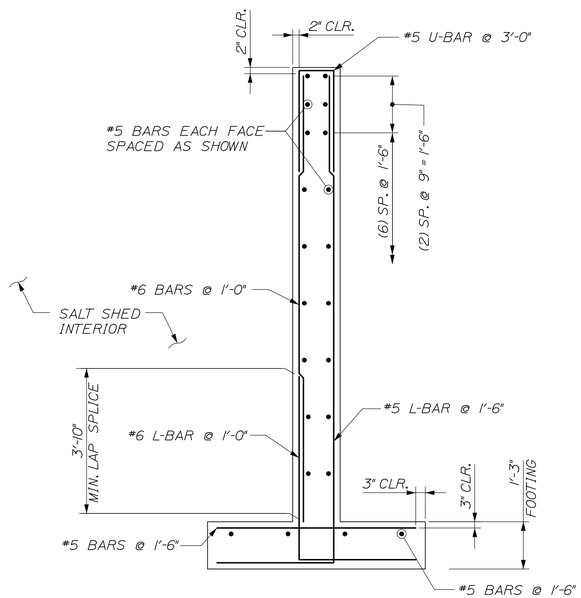
CALDERWOOD ENGINEERING, ETC.
222 RIVER ROAD
N. RICHMOND, ME 04357
PH. (207)737-2007 FAX (207)737-2008



A/6 SIDEWALL REINFORCING

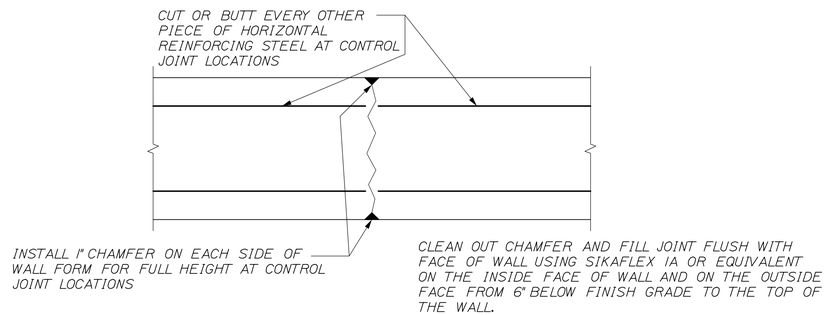
SCALE: 1/4" = 1'-0"

TYPICAL FOR NORTH AND SOUTH SIDEWALLS
ARCHES NOT SHOWN



B/6 SIDEWALL REINFORCING SECTION

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



WEAKENED PLANE CONTROL JOINT

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

CALDERWOOD ENGINEERING, ETC.
STRUCTURAL ENGINEERING • DETAILING SERVICES
222 RIVER RD. RICHMOND, ME 04357 PH/FX (207) 737-2007/(207) 737-2008

PREPARED FOR:
STATE OF MAINE DOT

JACKMAN, ME SALT SHED
WIN 19725.10

STATE OF MAINE
ERIC A. CALDERWOOD
No. 9099
LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 9099

DATE FEBRUARY 2012

	BY	DATE
	OGK	FEB 2012

DESIGN-DETAILED
CHECKED-REVIEWED

REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

JACKMAN MAINTANANCE SALT SHED

NORTH & SOUTH SIDEWALL REINFORCING DETAILS

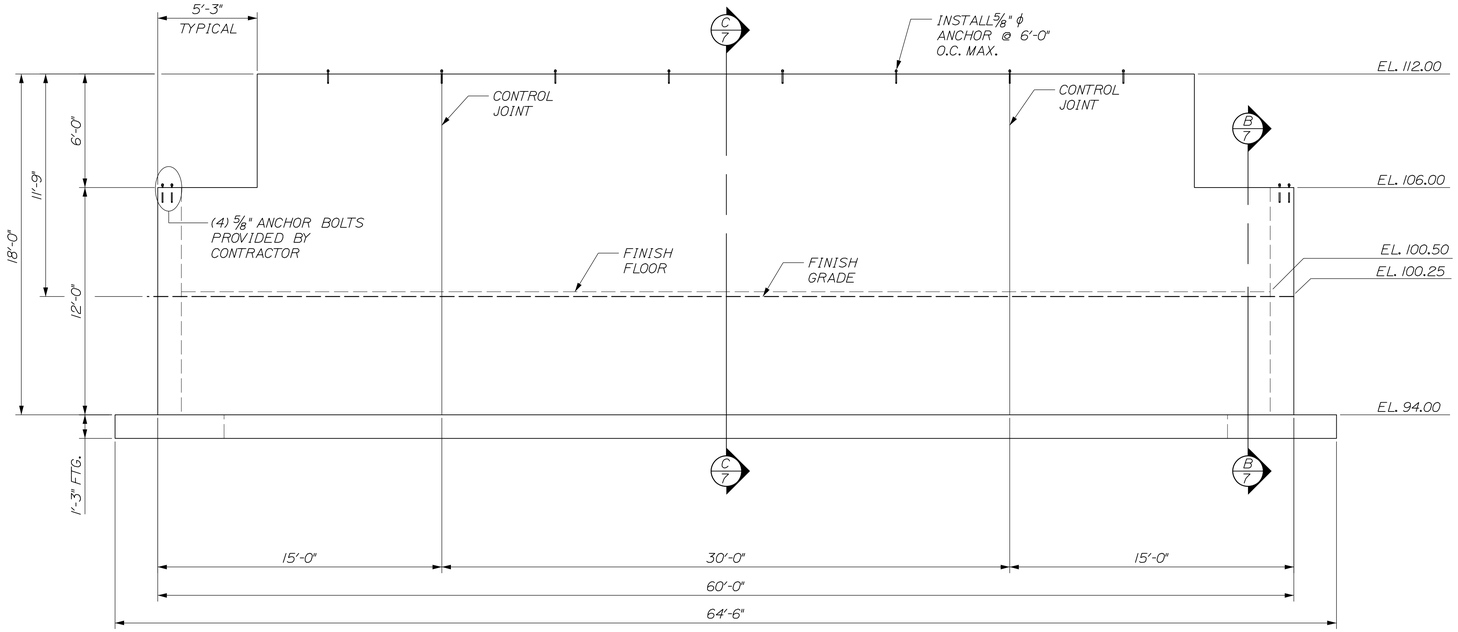
SHEET NUMBER

6

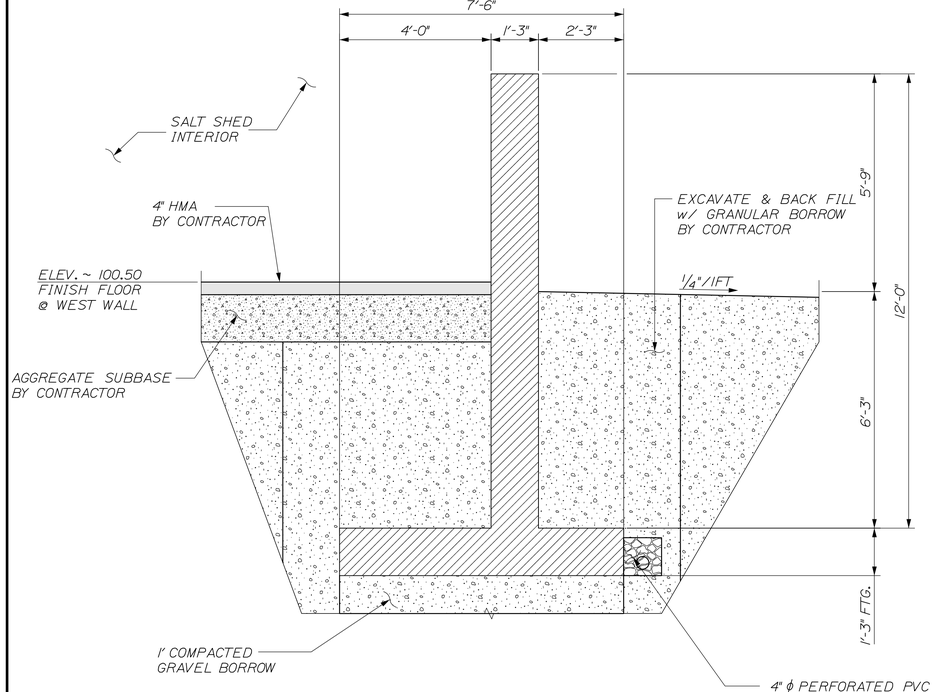
OF 14

CALDERWOOD ENGINEERING
222 RIVER ROAD
RICHMOND, ME 04357
PH (207) 737-2007 FAX (207) 737-2008

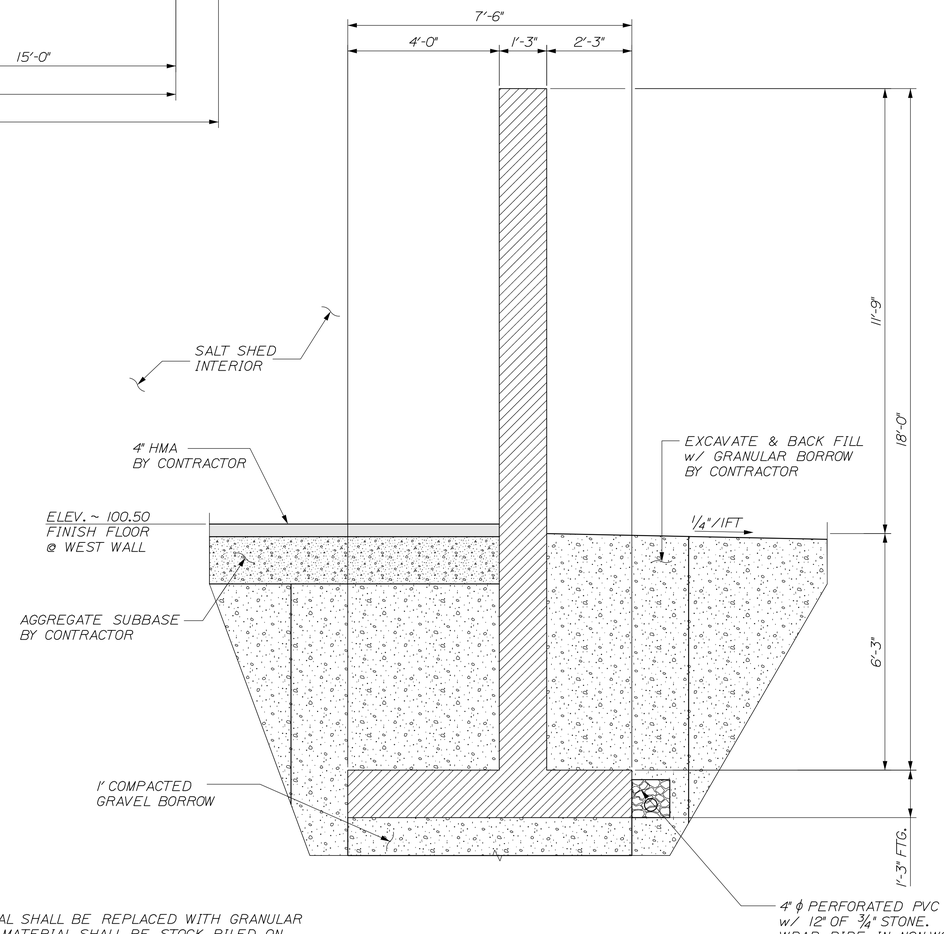
Filename: ...\006_SideWall_Reinforce.dgn Workgroup: Structures Division Username: common Date:5/22/2012



A/7 WEST END WALL ELEVATION
SCALE: 1/4" = 1'-0"



B/7 WEST END WALL SECTION
SCALE: 1/2"=1'-0"



C/7 WEST END WALL SECTION
SCALE: 1/2"=1'-0"

NOTES:
1.) EXCAVATED MATERIAL SHALL BE REPLACED WITH GRANULAR BORROW. EXCAVATED MATERIAL SHALL BE STOCK PILED ON SITE FOR REUSE. LOCATION OF STOCK PILE SHALL BE DETERMINED BY RESIDENT IN FIELD.
2.) ELEVATIONS SHOWN ARE BASED OFF AN ARBITRARY DATUM.
3.) BACKSLOPE MAY BE REQUIRED IN SOME AREAS TOWARDS REAR OF BUILDING.
4.) GRANULAR BORROW BACK FILL LIMITS SHALL EXTEND 18INCHES PAST THE END OF THE FOOTING (BOTH SIDES) TYPICAL ALONG EACH WALL.

CALDERWOOD ENGINEERING, ETC.
STRUCTURAL ENGINEERING • DETAILING SERVICES
222 RIVER RD. RICHMOND, ME 04357 PH/FX (207)737-2007/(207) 737-2008

PREPARED FOR:
STATE OF MAINE

JACKMAN, ME SALT SHED
WIN 19725.10

STATE OF MAINE
ERIC C. CALDERWOOD
No. 9099
LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 9099
DATE FEBRUARY 2012

BY	DATE
DGK	FEB 2012

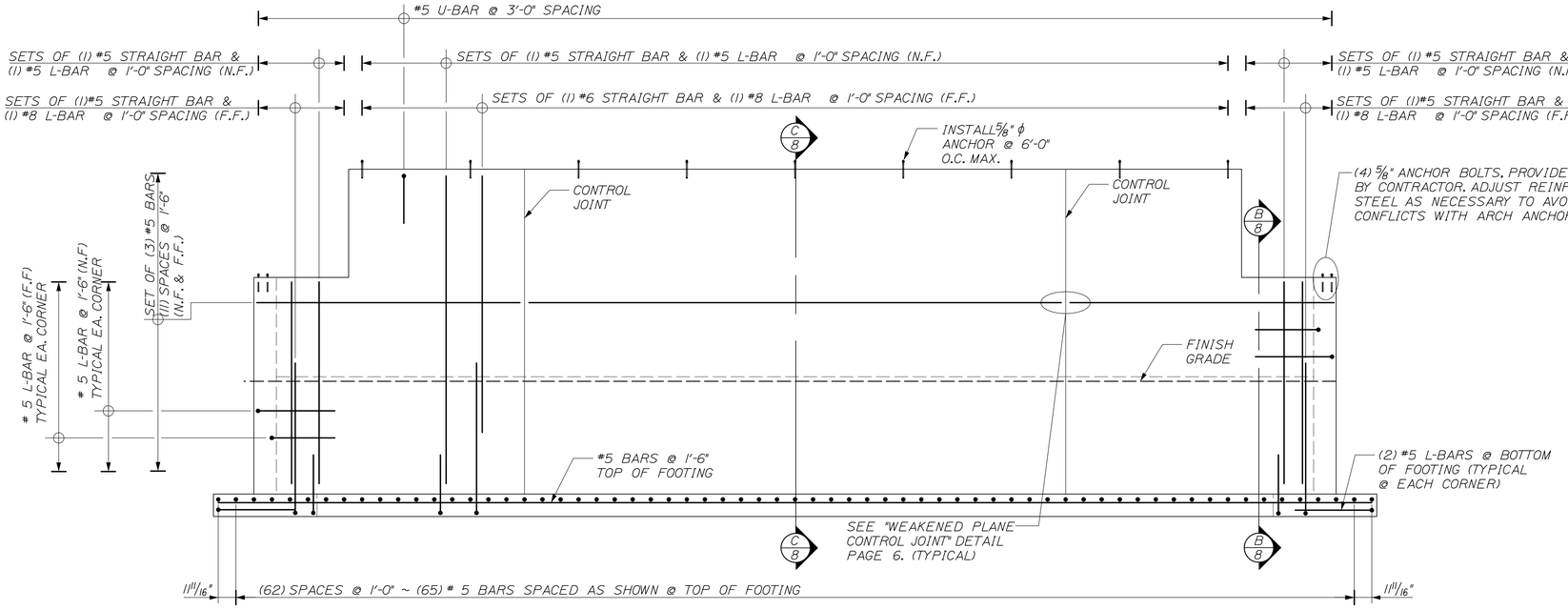
DESIGN-DETAILED
CHECKED-REVIEWED
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

JACKMAN MAINTANANCE SALT SHED

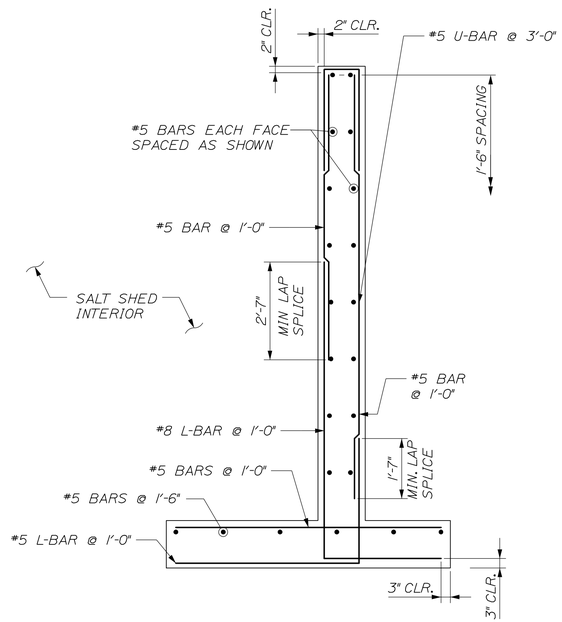
WEST END WALL DIMENSIONAL DETAILS

SHEET NUMBER
7
OF 14

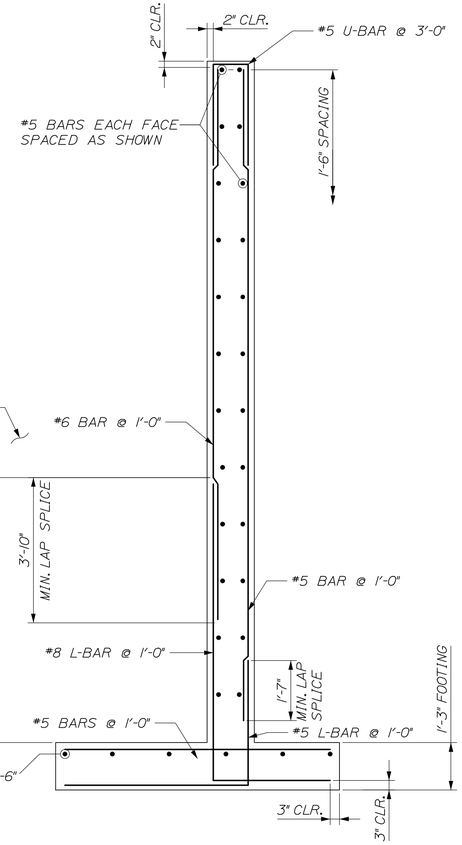
CALDERWOOD ENGINEERING
222 RIVER ROAD
RICHMOND, ME 04357
PH. (207)737-2007 FAX (207)737-2008



A/8 WEST END WALL REINFORCING
SCALE: 1/4" = 1'-0"



B/8 WEST END WALL REINFORCING SECTION
SCALE: 1/2" = 1'-0"



C/8 WEST END WALL REINFORCING SECTION
SCALE: 1/2" = 1'-0"

CALDERWOOD ENGINEERING, ETC.
STRUCTURAL ENGINEERING • DETAILING SERVICES
222 RIVER RD. RICHMOND, ME 04357 PH/FX (207)737-2007/(207) 737-2008

PREPARED FOR:
STATE OF MAINE DOT

JACKMAN, ME SALT SHED
WIN 19725.10

STATE OF MAINE
ERIC A. CALDERWOOD
No. 9099
LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 9099
DATE FEBRUARY 2012

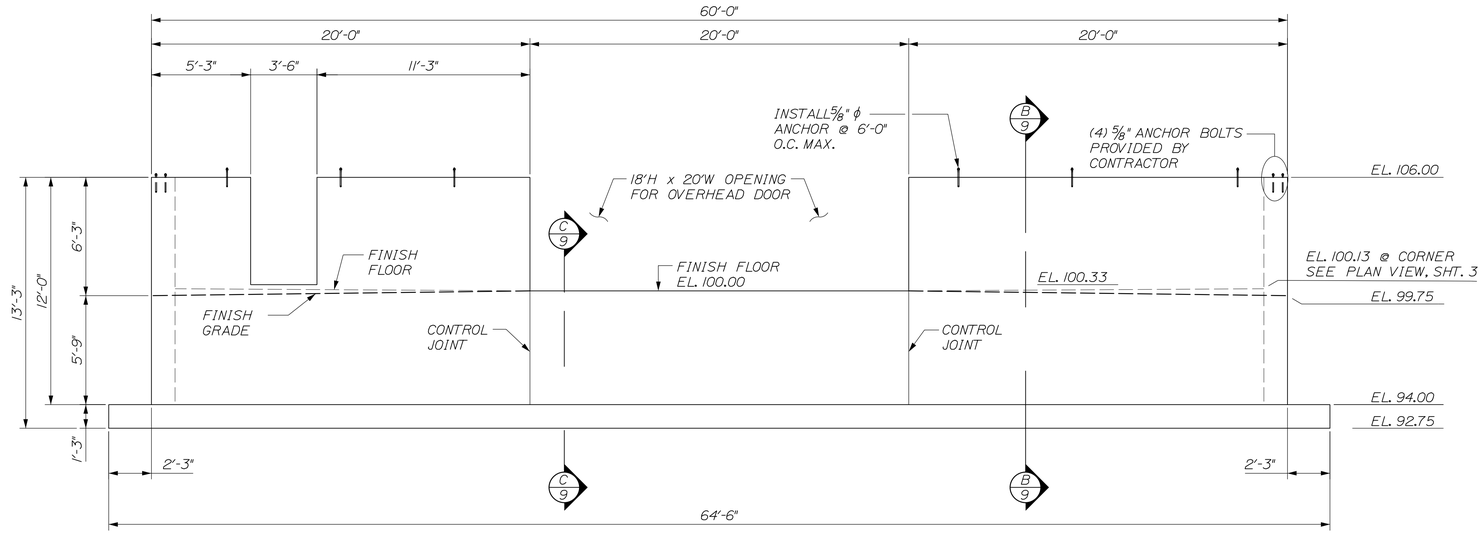
BY	DATE
OGK	FEB 2012

DESIGN-DETAILED
CHECKED-REVIEWED
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

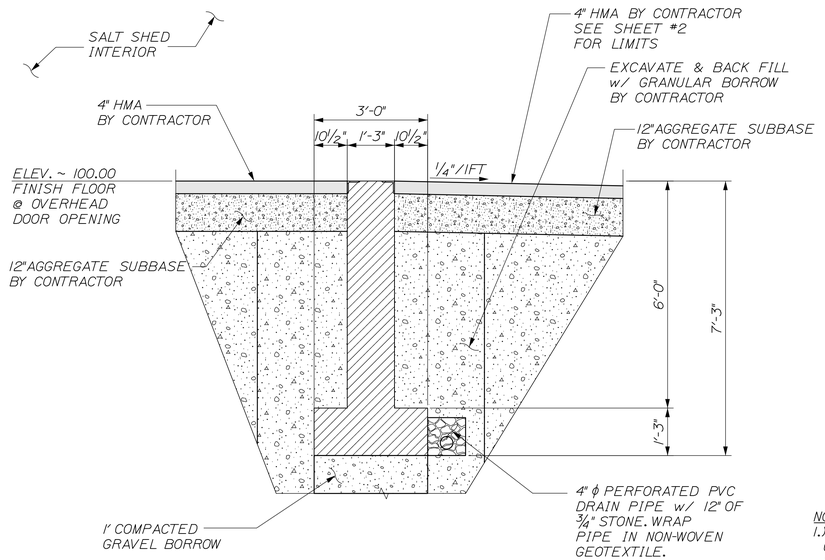
JACKMAN MAINTANANCE SALT SHED

WEST END WALL REINFORCING DETAILS

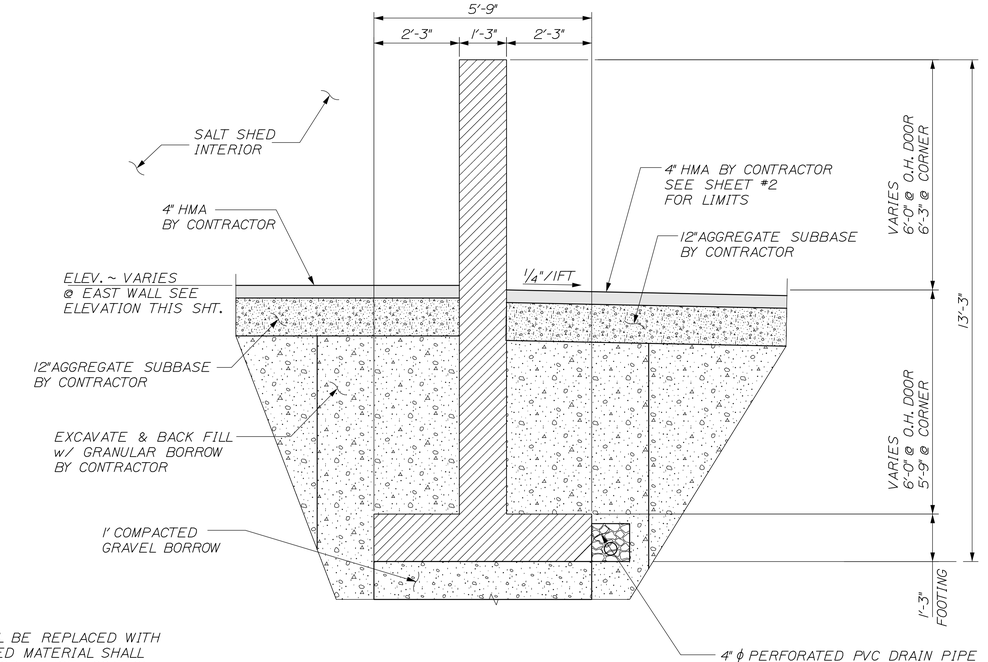
SHEET NUMBER
8
OF 14



A/9 EAST END WALL ELEVATION
SCALE: 1/4" = 1'-0"



C/9 SECTION @ OVERHEAD DOOR
SCALE: 1/2"=1'-0"



B/9 EAST END WALL SECTION
SCALE: 1/2"=1'-0"

NOTES:
1.) EXCAVATED MATERIAL SHALL BE REPLACED WITH GRANULAR BORROW. EXCAVATED MATERIAL SHALL BE STOCK PILED ON SITE FOR REUSE. LOCATION OF STOCK PILE SHALL BE DETERMINED BY RESIDENT IN FIELD.
2.) ELEVATIONS SHOWN ARE BASED OFF AN ARBITRARY DATUM.
3.) SLOPE DOWN AWAY FROM BUILDING TO MATCH THE EXISTING LOT.
4.) GRANULAR BORROW BACK FILL LIMITS SHALL EXTEND 18INCHES PAST THE END OF THE FOOTING (BOTH SIDES) TYPICAL ALONG EACH WALL.

CALDERWOOD ENGINEERING, ETC.
STRUCTURAL ENGINEERING • DETAILING SERVICES
222 RIVER RD. RICHMOND, ME 04357 PH/FX (207)737-2607/(207) 737-2008

PREPARED FOR:
STATE OF MAINE DOT

JACKMAN, ME SALT SHED
WIN 19725.10

STATE OF MAINE
ERIC A. CALDERWOOD
No. 9099
LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 9099
DATE FEBRUARY 2012

BY	DATE
GGK	FEB 2012

DESIGN-DETAILED
CHECKED-REVIEWED
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

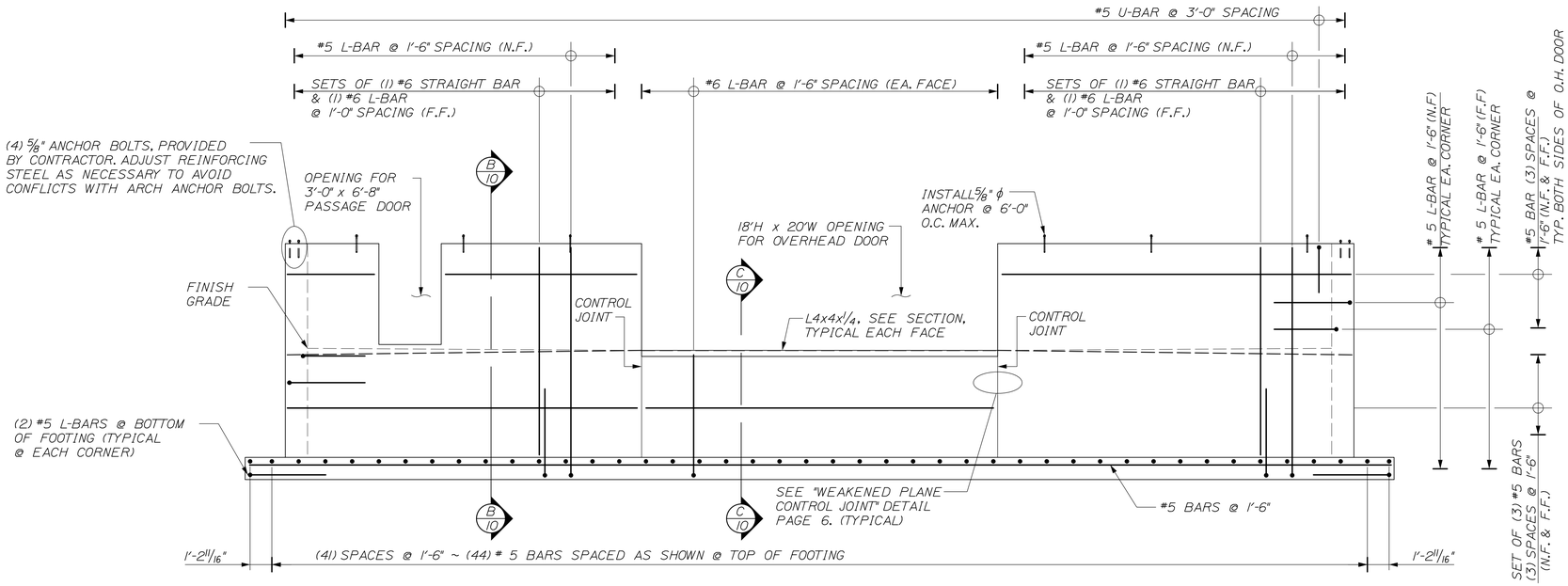
JACKMAN MAINTANANCE SALT SHED

EAST END WALL DIMENSIONAL DETAILS

SHEET NUMBER
9
OF 14

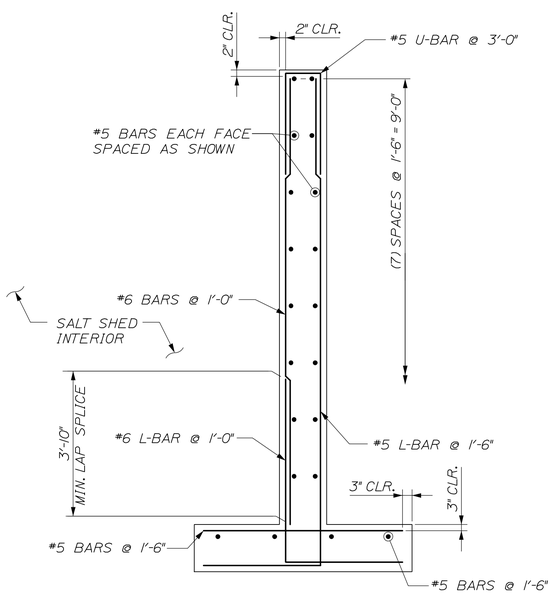
CALDERWOOD ENGINEERING
222 RIVER RD.
RICHMOND, ME 04357
PH (207) 737-2607 FAX (207) 737-2008

Filename: ...\Jackman\009_EastWall_Details.dgn Date:5/22/2012
Username: common
Design Group: Structures Division

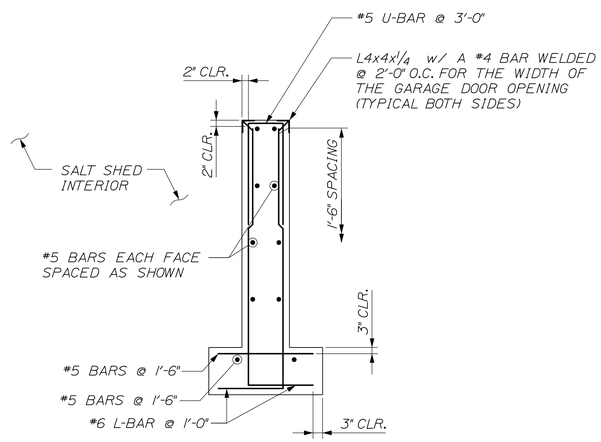


NOTE: CUT REINFORCING STEEL AS NECESSARY AT DOOR OPENINGS

A/10 EAST END WALL REINFORCING
SCALE: 1/4" = 1'-0"



B/10 EAST END WALL REINFORCING SECTION
SCALE: 1/2" = 1'-0"



C/10 EAST END WALL REINFORCING SECTION
SCALE: 1/2" = 1'-0"

CALDERWOOD ENGINEERING, ETC.
STRUCTURAL ENGINEERING • DETAILING SERVICES
222 RIVER RD. RICHMOND, ME 04357 PH/FX (207)737-2007/(207) 737-2008

PREPARED FOR:
STATE OF MAINE DOT

JACKMAN, ME SALT SHED
WIN 19725.10

STATE OF MAINE
ERIC A. CALDERWOOD
No. 9099
LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 9099

DATE FEBRUARY 2012

	BY	DATE
	OGK	FEB 2012

DESIGN-DETAILED
CHECKED-REVIEWED
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

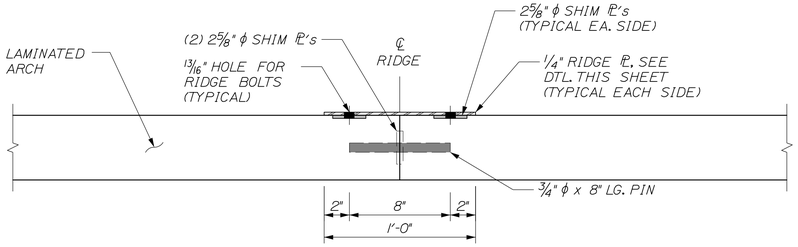
JACKMAN MAINTANANCE SALT SHED

EAST END WALL REINFORCING DETAILS

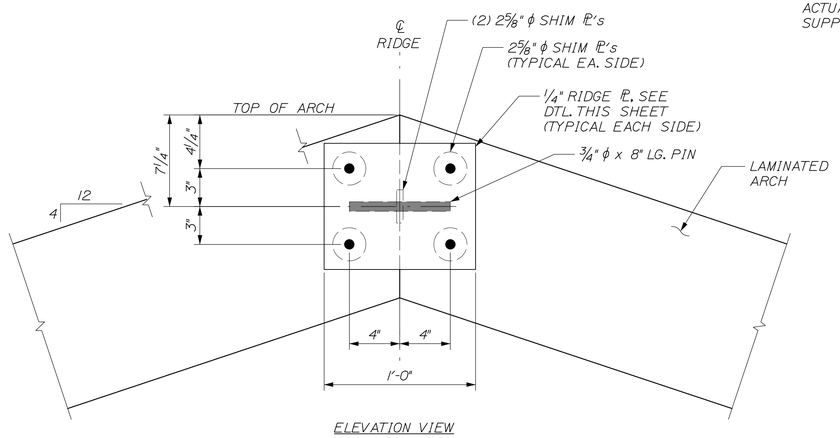
SHEET NUMBER
10
OF 14

CALDERWOOD ENGINEERING
222 RIVER ROAD
RICHMOND, ME 04357
PH (207) 737-2007 FAX (207) 737-2008

Filename: ...\010_EastWall_Reinforce.dgn Workgroup: Structures Division Username: common Date:5/22/2012

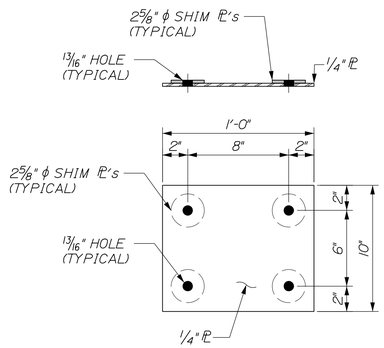


PLAN VIEW



ELEVATION VIEW

RIDGE CONNECTION
SCALE: 2" = 1'-0"



RIDGE CONNECTION ℄
SCALE: 2" = 1'-0"

NOTE:
RIDGE CONNECTION ℄ SHOWN IS AN EXAMPLE. COORDINATE WITH ARCH MANUFACTURER FOR ACTUAL PLATE TO BE USED.

NOTE:
DEPENDING ON SIZE AND TYPE OF ARCH SELECTED, LOCATION OF CONNECTION BOLTS AND AND PINS AT THE RIDGE MAY CHANGE.
ACTUAL RIDGE CONNECTION TO BE DESIGNED AND SUPPLIED BY ARCH MANUFACTURER.

METAL ROOFING NOTES:

1. THE SALT SHED IS TO BE ROOFED WITH THE EVERLAST DL-150 PRODUCT, OR AN EQUIVALENT PRODUCT. THIS PRODUCT USES DOUBLE-LOCK STANDING SEAM ROOF PANELS.

2. THE FINISH IS TO BE BARE GALVALUME.

3. THE PANELS ARE TO BE DELIVERED TO THE JOB SITE BY THE SUPPLIER IN STRAIGHT, UNFORMED PANELS. THE SUPPLIER WILL THEN FORM THE PANELS ON SITE TO THE SHAPE AND RADIUS OF THE ROOF. THE CONTRACTOR MAY BE REQUIRED TO PROVIDE ADDITIONAL MAN-POWER TO THE SUPPLIER TO AID IN MOVING THE PANELS.

4. NO BUTT SEAMS WILL BE ALLOWED ON THE ROOF. THE PANELS WILL BE FORMED FROM 1 PIECE THAT BEGINS AT THE BOTTOM OF THE ROOF AND CONTINUES ALL THE WAY TO THE RIDGE.

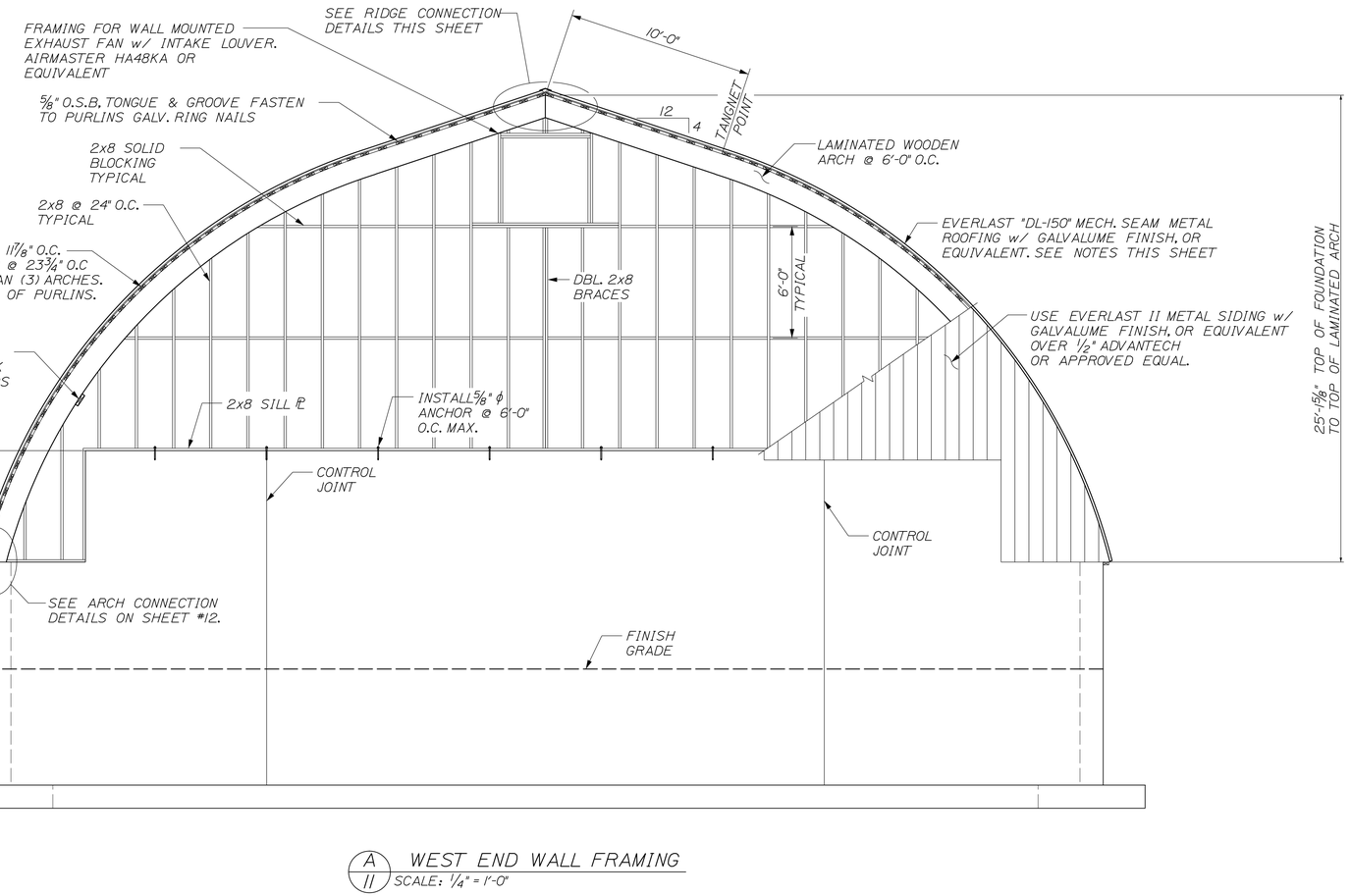
5. NO EXPOSED FASTENERS WILL BE ALLOWED ON THE ROOF PANELS.

6. PANELS MUST BE INSTALLED IN A SEQUENTIAL PATTERN.

7. A 30# ROOFING FELT OR AN APPROVED EQUAL SHOULD BE INSTALLED OVER SUBSTRATE PRIOR TO INSTALLATION OF PANELS.

8. PANELS MUST BE LOCKED IN THE FIELD BY A MECHANICAL SEAMER.

9. IF PANELS REQUIRE STORAGE BEFORE BEING INSTALLED, THEY SHOULD BE STORED IN A WELL-VENTILATED, DRY PLACE WHERE NO MOISTURE CAN COME IN CONTACT WITH THEM. IF STORED OUTSIDE, COVER WITH VENTED TARP OR WATERPROOF PAPER COVER (NOT PLASTIC). KEEP MATERIAL OFF THE GROUND.



A / 11 WEST END WALL FRAMING
SCALE: 1/4" = 1'-0"

CALDERWOOD ENGINEERING, ETC.
STRUCTURAL ENGINEERING • DETAILING SERVICES
222 RIVER RD. RICHMOND, ME 04357 PH/FX (207)737-2007(207) 737-2008

PREPARED FOR:
STATE OF MAINE DOT

JACKMAN, ME SALT SHED
WIN 19725.10

STATE OF MAINE
ERIC A. CALDERWOOD
No. 9099
LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 9099
DATE FEBRUARY 2012

	BY	DATE
	OGK	FEB 2012
DESIGN-DETAILED		
CHECKED-REVIEWED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

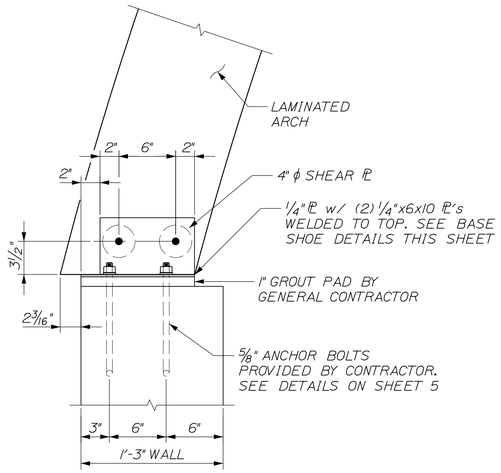
JACKMAN MAINTANANCE SALT SHED

WEST END WALL FRAMING DETAILS

SHEET NUMBER
11
OF 14

CALDERWOOD ENGINEERING 222 RIVER ROAD RICHMOND, ME 04357 PH (207) 737-2007 FAX (207) 737-2008

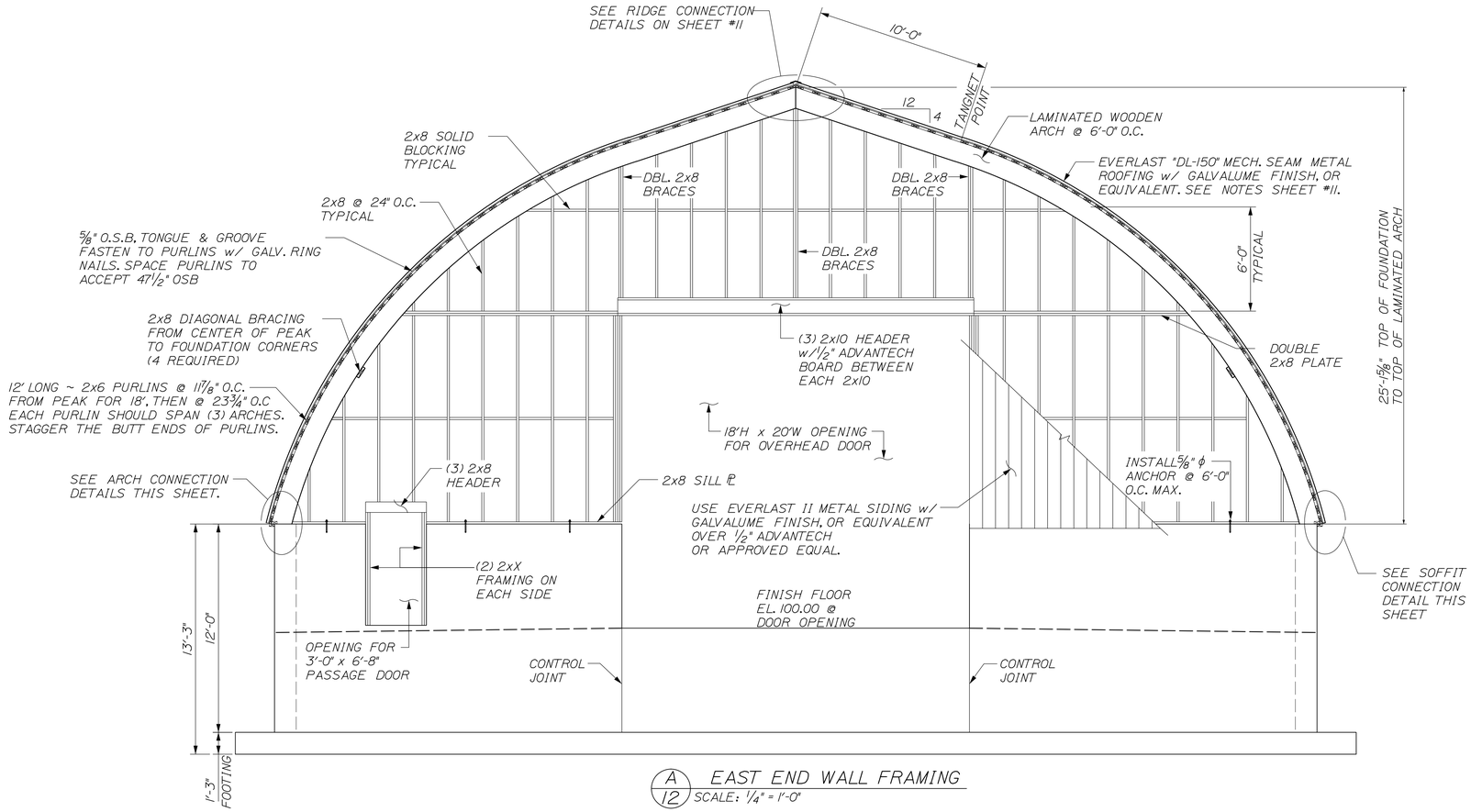
Filename: ...\011_Westwall_Framing.dgn Workgroup: Structures Division Username: common Date:5/22/2012



TYPICAL ARCH TO FOUNDATION CONNECTION

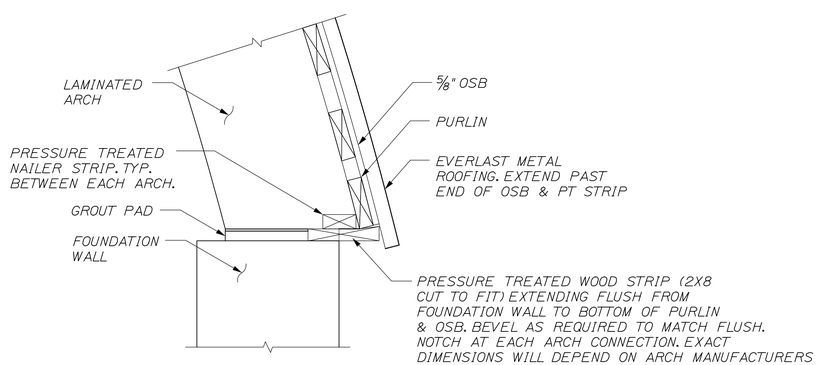
SCALE: 1 1/2" = 1'-0"

NOTE:
DEPENDING ON SIZE AND TYPE OF ARCH SELECTED, ANCHOR BOLT LAYOUT MAY CHANGE.
ACTUAL ANCHOR BOLT LAYOUT TO BE COORDINATED WITH THE LAMINATED ARCH MANUFACTURER.
GENERAL CONTRACTOR IS RESPONSIBLE FOR CHECKING LAYOUT OF ANCHOR BOLTS WITH ARCH BASE PLATES TO ENSURE A PROPER FIT.
BASE SHOES, SHEAR ℄'s, AND ARCH BOLTS TO BE DESIGNED AND SUPPLIED BY ARCH MANUFACTURER.



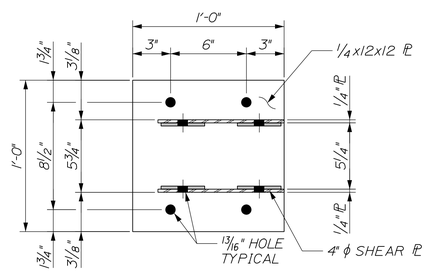
A/12 EAST END WALL FRAMING

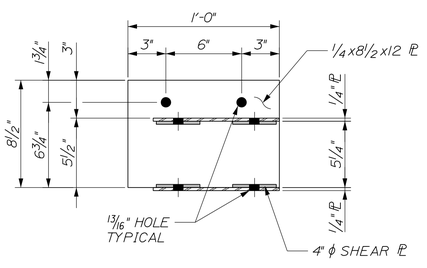
SCALE: 1/4" = 1'-0"

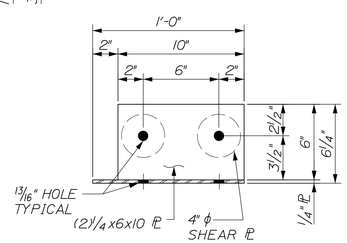


SOFFIT CONNECTION

1 1/2" = 1'-0"

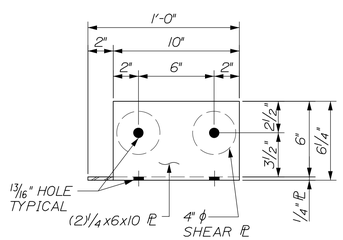






TYPICAL BASE SHOE (EXAMPLE ONLY)

SCALE: 2" = 1'-0"



CORNER BASE SHOE (EXAMPLE ONLY)

SCALE: 2" = 1'-0"

NOTE:
BASE SHOES SHOWN ARE EXAMPLES. COORDINATE WITH ARCH MANUFACTURER FOR ACTUAL SHOES TO BE USED.

CALDERWOOD ENGINEERING, ETC.
STRUCTURAL ENGINEERING • DETAILING SERVICES
222 RIVER RD. RICHMOND, ME 04357 PH/FX (207)737-2007/(207) 737-2008

PREPARED FOR:
STATE OF MAINE DOT

JACKMAN, ME SALT SHED
WIN 19725.10

STATE OF MAINE ERIC A. CALDERWOOD No. 9099 LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 9099

DATE FEBRUARY 2012

	BY	DATE
DESIGN-DETAILED	OGK	FEB 2012
CHECKED-REVIEWED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

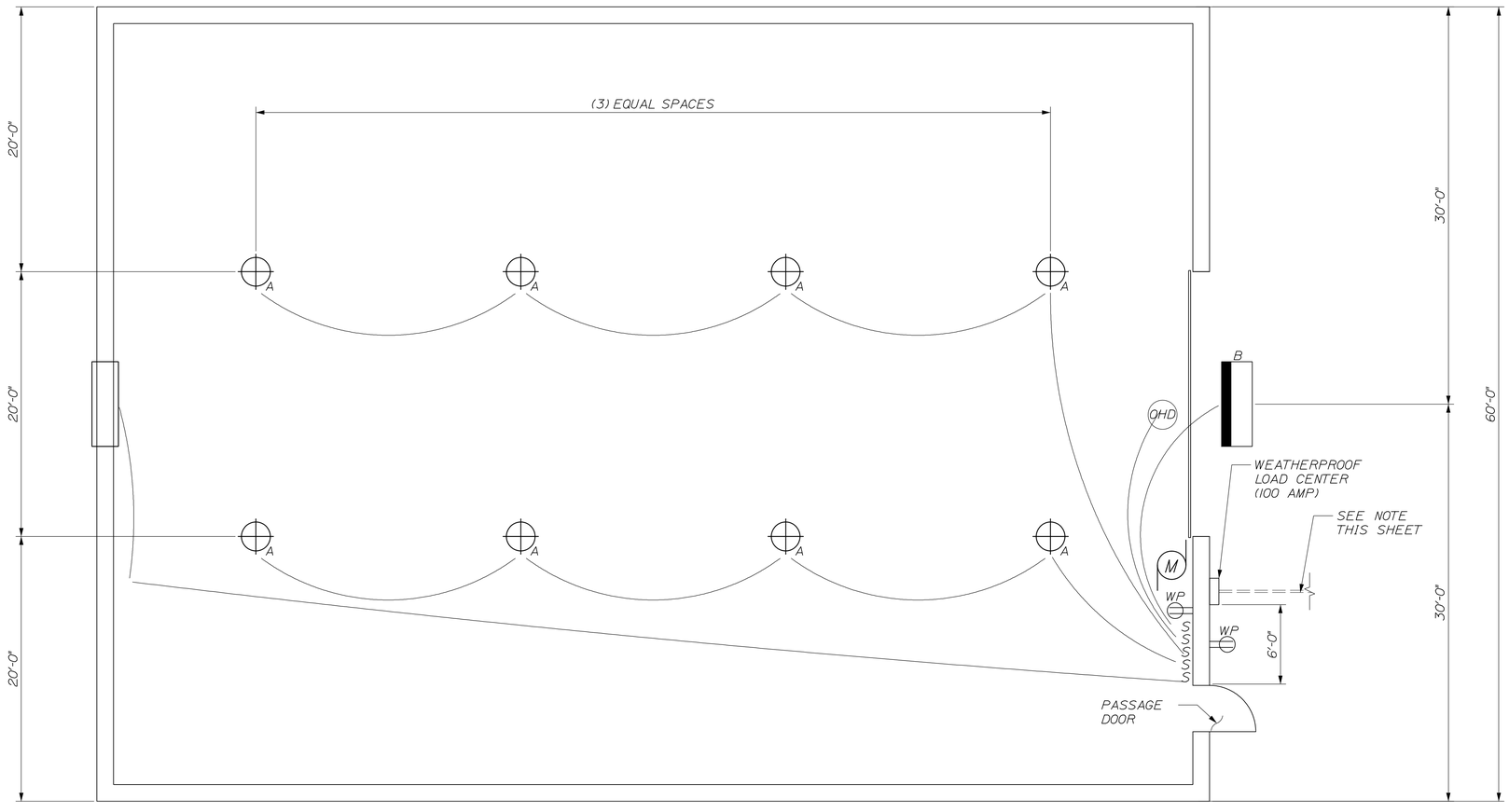
JACKMAN MAINTANANCE SALT SHED

EAST END WALL FRAMING DETAILS

SHEET NUMBER

12

OF 14



A/13 ELECTRICAL FLOOR PLAN
3/16"=1'-0"

ELECTRICAL LEGEND

A	H.E. WILLIAMS, 5" DEEP, FULLY ENCLOSED INDUSTRIAL LIGHT FIXTURE. MODEL #92-8-454TSH-A-EB2/2-SSLATCH-SSMB w/ ATTACHED HUBBELL FIXTURE MOUNTED OCCUPANCY SENSORS
B	250W METAL HALLIDE FLOOD LIGHT EQUIV. TO LUMARK NIGHTHAWK III W/ PHOTOCELL AND SWITCH.
S	WEATHERPROOF SWITCH
WP	GFCI RECEPTACLE W/ WEATHERPROOF COVER
M	OVERHEAD DOOR OPERATOR
	EXHAUST FAN

POWER TO BE INSTALLED UNDERGROUND IF POSIBLE. CONTRACTOR SHALL PRICE AS SUCH.

CONTRACTOR WILL BE REQUIRED TO EXCAVATE, SUPPLY, INSTALL, BACKFILL, AND COMPACT, PER NATIONAL ELECTRICAL CODE (NEC) AN ADDITIONAL 250 FT OF 2" UNDERGROUND CONDUIT. SEE SHEET 2 FOR DETAILS

CONDUIT SHALL BE INSTALLED BELOW GRADE. EACH END OF CONDUIT SHALL BE CAPPED AND PROTRUDE ABOVE FINISH GRADE BY 2 FEET.

FAN ON BACKWALL. OHD OPENER AND LIGHTS SHALL BE WIRED AND HOOKED UP FOR POWER AS INDICATED.

CALDERWOOD ENGINEERING, ETC.
STRUCTURAL ENGINEERING • DETAILING SERVICES
222 RIVER RD. RICHMOND, ME 04357 PH/FX (207)737-2007/(207) 737-2008

PREPARED FOR:
STATE OF MAINE DOT

JACKMAN, ME SALT SHED
WIN 19725.10

STATE OF MAINE
ERIC A. CALDERWOOD
No. 9099
LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 9099

DATE FEBRUARY 2012

BY	DATE
OGK	FEB 2012

DESIGN-DETAILED
CHECKED-REVIEWED

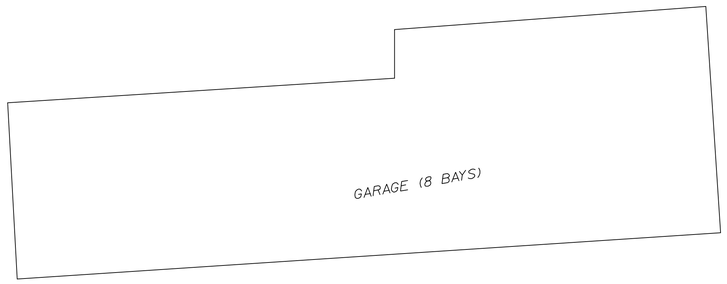
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

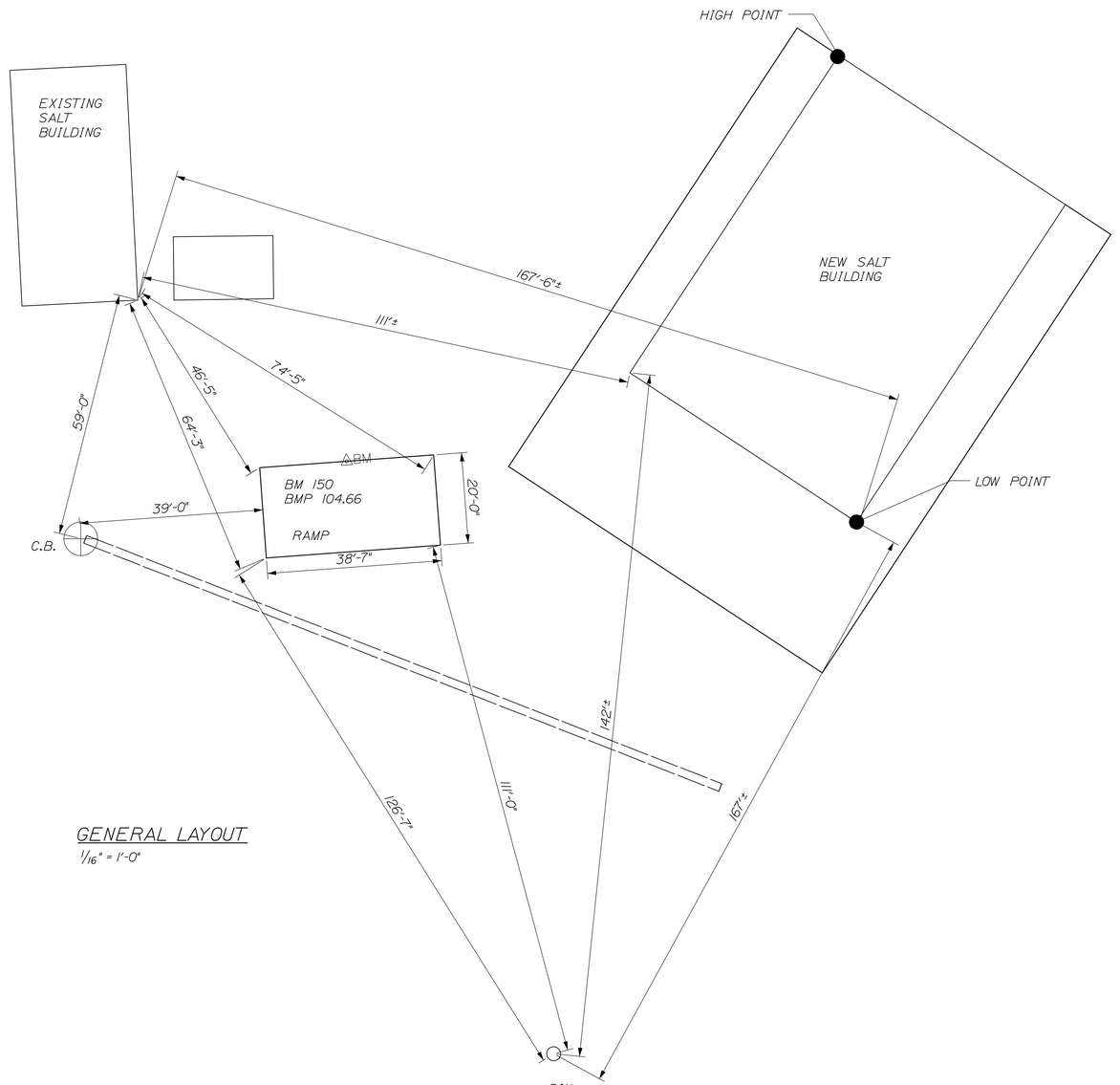
JACKMAN MAINTANANCE SALT SHED
ELECTRICAL PLAN

SHEET NUMBER
13
OF 14

CALDERWOOD ENGINEERING
222 RIVER ROAD
RICHMOND, ME 04357
PH. (207) 737-2007 FAX (207) 737-2008

Filename: ...\013_Electrical_Plan.dgn Workgroup: Structures Division Username: common Date:5/22/2012





GENERAL LAYOUT

1/16" = 1'-0"

NOTES:

1.) DIMENSIONS AND LAYOUT SHOWN ARE FOR CONCEPTUAL PURPOSES ONLY AND FOR CONTRACTORS ASSISTANCE. ACTUAL LOCATION OF BUILDING AND DIMENSIONS MAY VARY.

2.) EXACT LOCATION OF PROPOSED BUILDING SHALL BE VERIFIED BY RESIDENT IN THE FIELD.

CALDERWOOD ENGINEERING, ETC.
STRUCTURAL ENGINEERING • DETAILING SERVICES
222 RIVER RD. RICHMOND, ME 04357 PH/FX (207)737-2007/(207) 737-2008

PREPARED FOR:
STATE OF MAINE

JACKMAN, ME SALT SHED
WIN 19725.10

STATE OF MAINE
ERIC A. CALDERWOOD
No. 9099
LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 9099
DATE MAY 2012

BY	DATE
OGK	MAY 2012

DESIGN-DETAILED
CHECKED-REVIEWED

REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

JACKMAN MAINTANANCE SALT SHED

GENERAL LAYOUT

SHEET NUMBER

14

OF 14