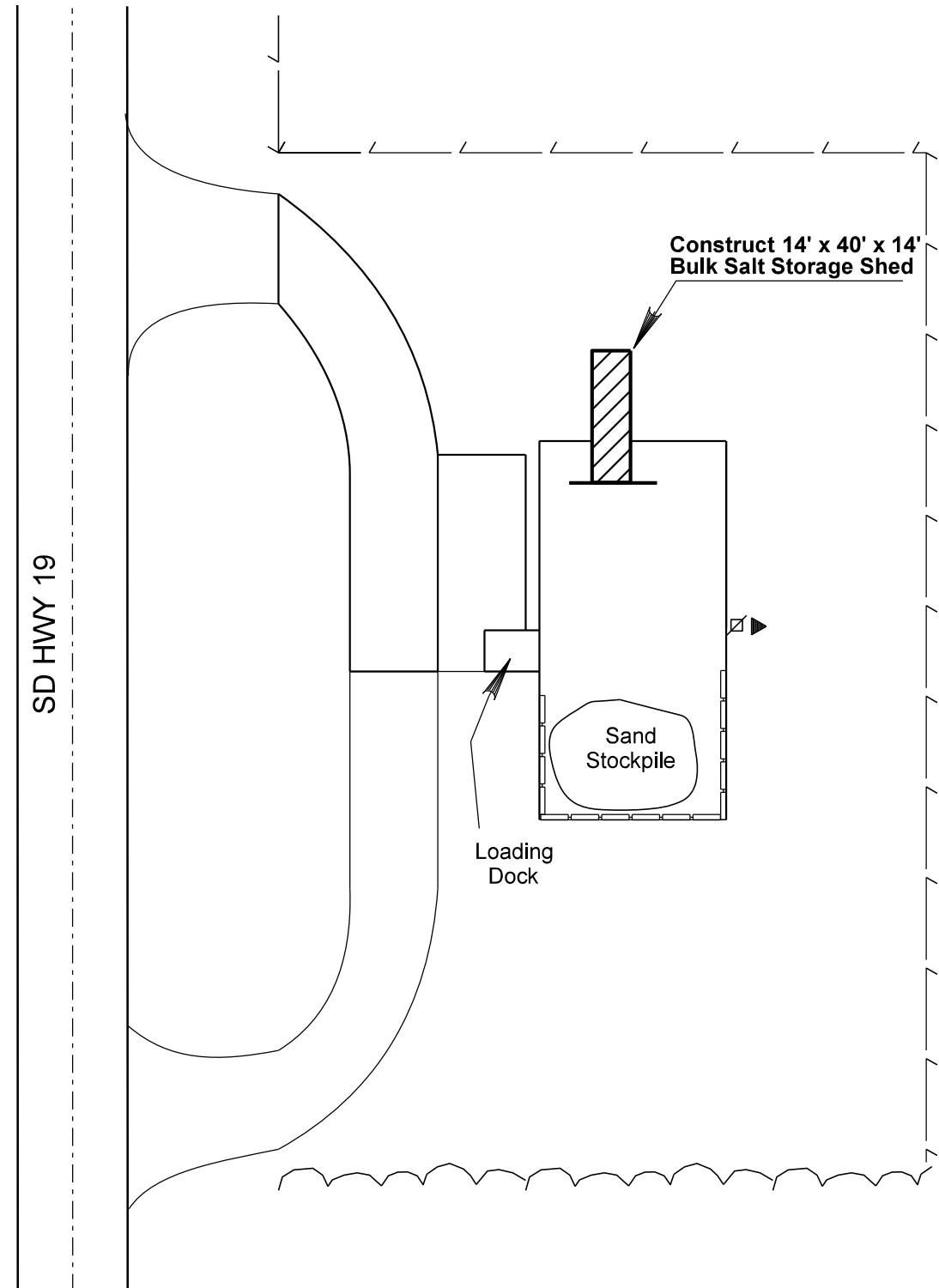
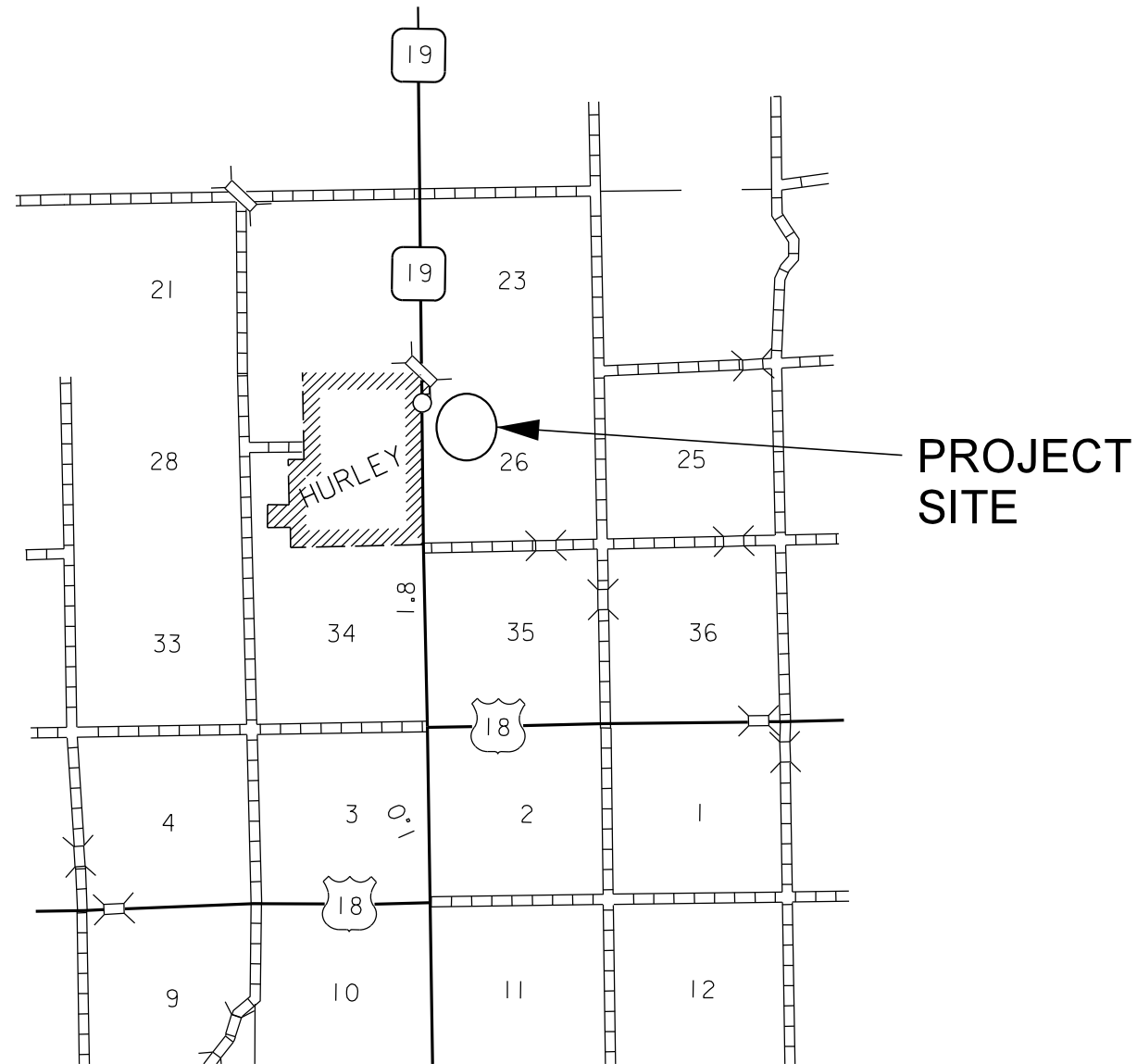


SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION HURLEY REMOTE MAINTENANCE SITE

410B326

TURNER COUNTY - NEAR THE CITY OF HURLEY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	410B326	1	7



**SPECIFICATIONS FOR BULK SALT STORAGE BUILDING
SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION**

Pole Type Structure - 14' x 40' x 14' at Hurley

1. The Contractor shall supply all labor, transportation, materials, apparatus, scaffolding, tools and equipment necessary for the entire, proper and substantial completion of all work. The Contractor shall install, maintain and remove all equipment, utensils or devices not incorporated in the construction. All work shall be accomplished with quality workmanship and materials shall be in accordance with the current published manufacturer's specifications, as shown on the drawings and specified herein and reasonable implied therefrom, all in accord with the project specifications.
2. The Contractor shall supply round poles that have a minimum of eight (8) inch tops or 7¼" x 9" Laminated Wood Posts as detailed in these plans. The entire quantity shall either be exclusively poles or exclusively laminated posts. Round poles or laminated posts shall be treated with Creosote (8 pounds/cubic foot retention), Pentachlorophenol, Ammoniacal Copper Quat (ACQ) or Copper Naphthenate. Poles or laminated posts shall be set five (5) feet below grade. All poles or laminated posts shall be spaced at approximately four (4) foot centers and doubled at corners (See Detail 1 on Sheet No. 7). In place asphalt concrete surfacing at the pole or laminated post locations may have to be removed by sawing or with jack-hammers by the Contractor. Cost for this work shall be absorbed in the contract unit price for Furnish and Construct 14' x 40' x 14' Pole Type Bulk Salt Storage Building at Woonsocket.
3. Wall construction shall consist of 2" x 6" T. & G. Pine lumber treated with Pentachlorophenol, ACQ or Copper Naphthenate (interlocked at corners) and nailed on the inside of pole or laminated post with galvanized 40d ring shank nails or equivalent corrosion resistant screws (See Detail 1 on Sheet No. 7). All splices to be centered on the pole.
4. Rafters and lower cord (roof truss) shall be 2" x 8" with 2" x 8" truss bolted with 1/2" zinc coated bolts also bolted to pole.
5. Roof girts shall be 2" x 4" spaced 24" O.C., set on edge nailed with galvanized 40d ring shank or equivalent corrosion resistant screw and vetro clamps installed both sides.
6. Channel Drain Galvanized Iron or equivalent shall be nailed with lead or neoprene headed nails or equivalent corrosion resistant screws.
7. A weather tight sealing material shall be placed under the metal roof at junction with side walls.
8. Dimensional lumber to be Hem-Fir No. 2 or better S4S.
9. One (1) 12' x 15' sliding (2 pc.) door. (See Detail on Sheets 5 & 6).
10. "National" 59A or equivalent Cover Track.
11. "National" 53 or equivalent Hangers (one (1) pr. each door).
12. "National" "U" Guides or equivalent to be used at door frame.
13. All pulls, hooks, etc. to be furnished as necessary.
14. Painting of structure is not required.
15. Grading and surfacing of building site will be performed by State Forces prior to constructing the pole type structure.
16. The Contractor shall have Worker's Compensation Insurance, Public Liability and Property Damage Insurance for the life of the Contract.

17. Construction of the Bulk Salt Storage building shall not start until after June 1, 2014 and will be completed by September 30, 2014. All work shall be coordinated with Travis Dressen, Sioux Falls Area Engineer at (605) 367-5680.
18. Should the Contractor fail to complete the work within the time agreed upon in the contract, or within such extra time as may have been allowed by increases in formally approved extension granted by the Owner, there shall be deducted from any monies or amounts due or that may become due the Contractor, the sum set forth in the schedule shown herein for each consecutive calendar day that the work remains uncompleted.

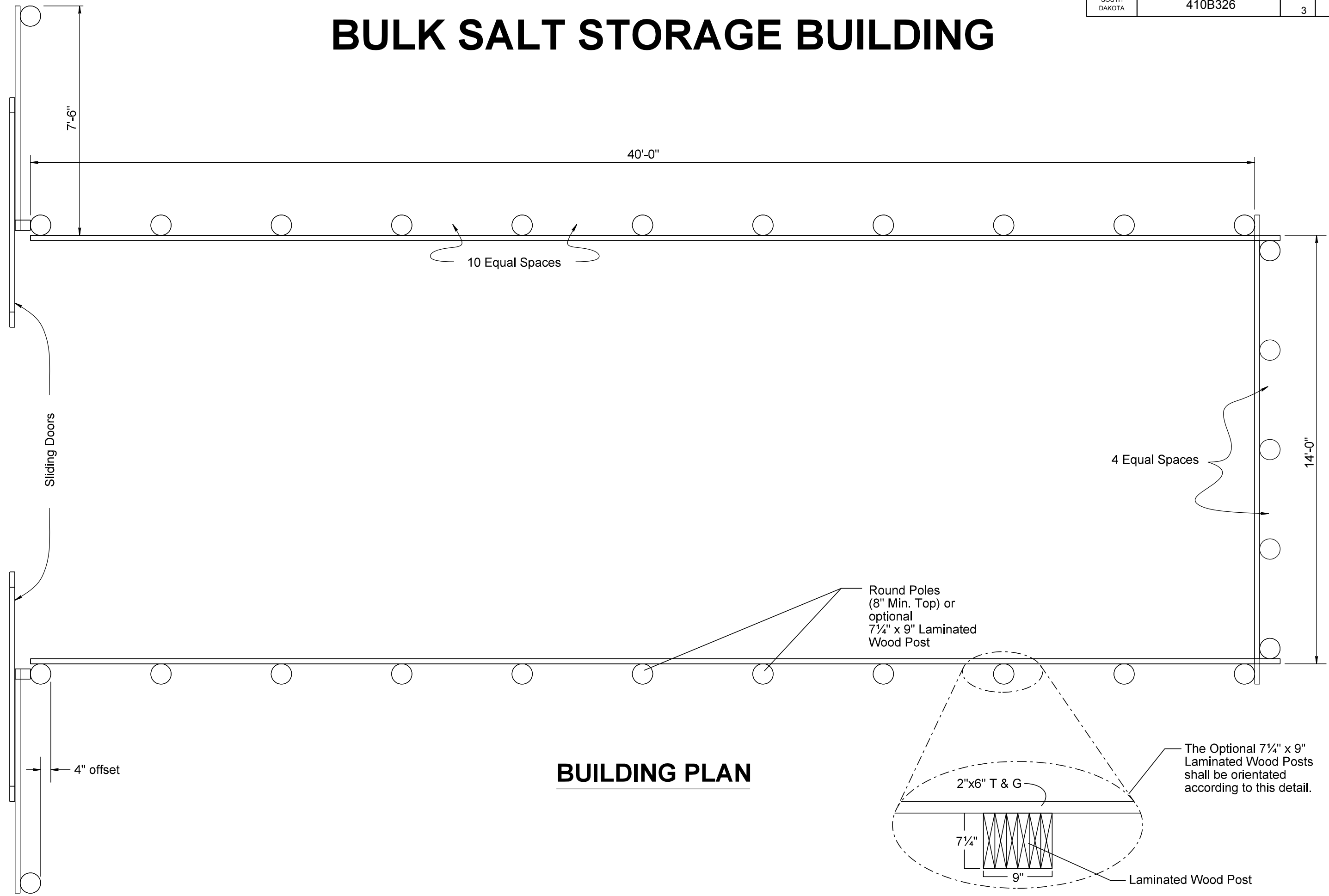
ORIGINAL CONTRACT AMOUNT		AMOUNT OF LIQUIDATED DAMAGES PER CALENDAR DAY
For More than	To and Including	
0	\$ 25,000	\$ 75.00
\$ 25,000	\$ 50,000	\$ 200.00
\$ 50,000	\$100,000	\$ 250.00

19. Final payment for doing all the work listed in the plans and notes will be made after completion and acceptance of the Bulk Salt Storage Building by the State.

Final payment will be based on the contract unit price for Furnish and Construct 14'x40'x14' Pole Type Bulk Salt Storage Building at Woonsocket and shall be full compensation for all labor, material, equipment and incidentals necessary to satisfactorily perform all the work in this contract.

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	410B326	3	7

BULK SALT STORAGE BUILDING



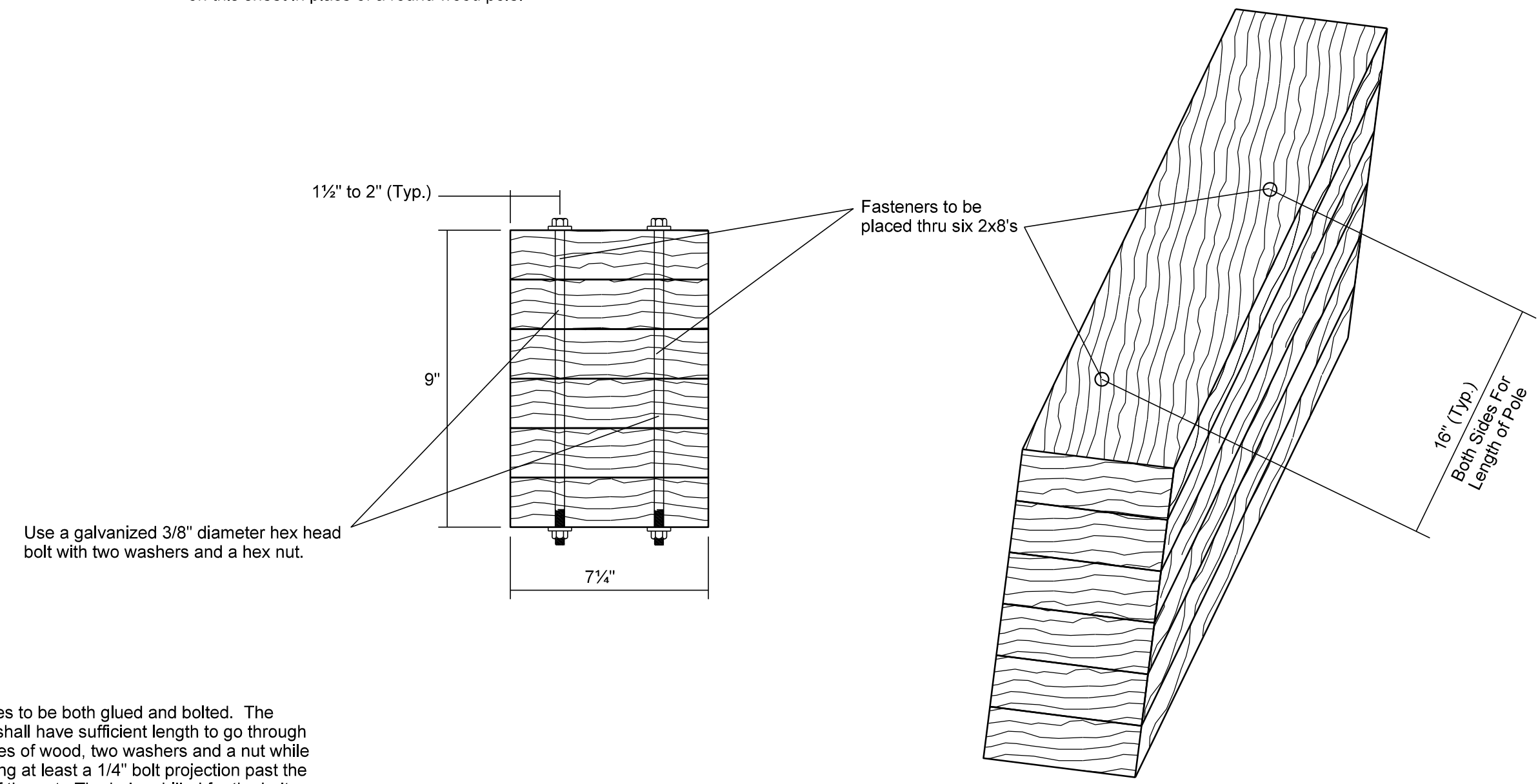
BUILDING PLAN

BULK SALT STORAGE BUILDING

OPTIONAL LAMINATED WOOD POST DETAIL

(9" X 7 1/4")

The Contractor may use a laminated wood post as detailed on this sheet in place of a round wood pole.

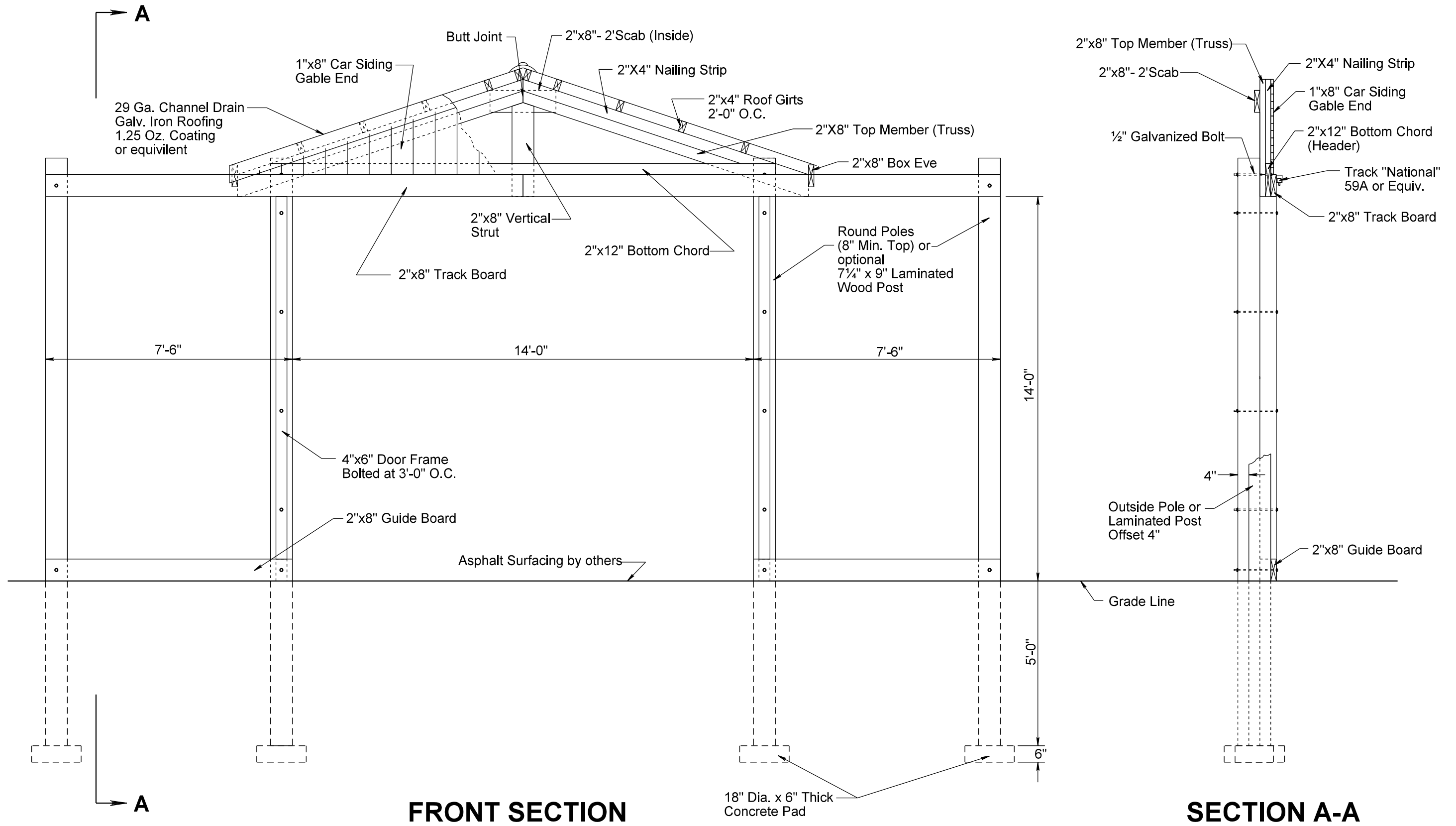


Note:
All plies to be both glued and bolted. The bolts shall have sufficient length to go through six plies of wood, two washers and a nut while allowing at least a 1/4" bolt projection past the end of the nut. The holes drilled for the bolts should be only a 1/8" larger than the diameter of the bolt.

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	410B326	5	7

BULK SALT STORAGE BUILDING

Revised 4/17/07 pm



29 Ga. Channel Drain
Galv. Iron Roofing
1.25 Oz. Coating
or equivalent

1"x8" Car Siding
Gable End

Butt Joint

2"x8"- 2' Scab (Inside)

2"x4" Nailing Strip

2"x4" Roof Girts
2'-0" O.C.

2"x8" Top Member (Truss)

2"x8" Box Eave

2"x8" Vertical
Strut

2"x12" Bottom Chord

2"x8" Track Board

Round Poles
(8" Min. Top) or
optional
7 1/4" x 9" Laminated
Wood Post

7'-6"

14'-0"

7'-6"

14'-0"

4"x6" Door Frame
Bolted at 3'-0" O.C.

2"x8" Guide Board

Asphalt Surfacing by others

2"x8" Top Member (Truss)

2"x8"- 2' Scab

2"x4" Nailing Strip

1"x8" Car Siding
Gable End

1/2" Galvanized Bolt

2"x12" Bottom Chord
(Header)

Track "National"
59A or Equiv.

2"x8" Track Board

4"

Outside Pole or
Laminated Post
Offset 4"

2"x8" Guide Board

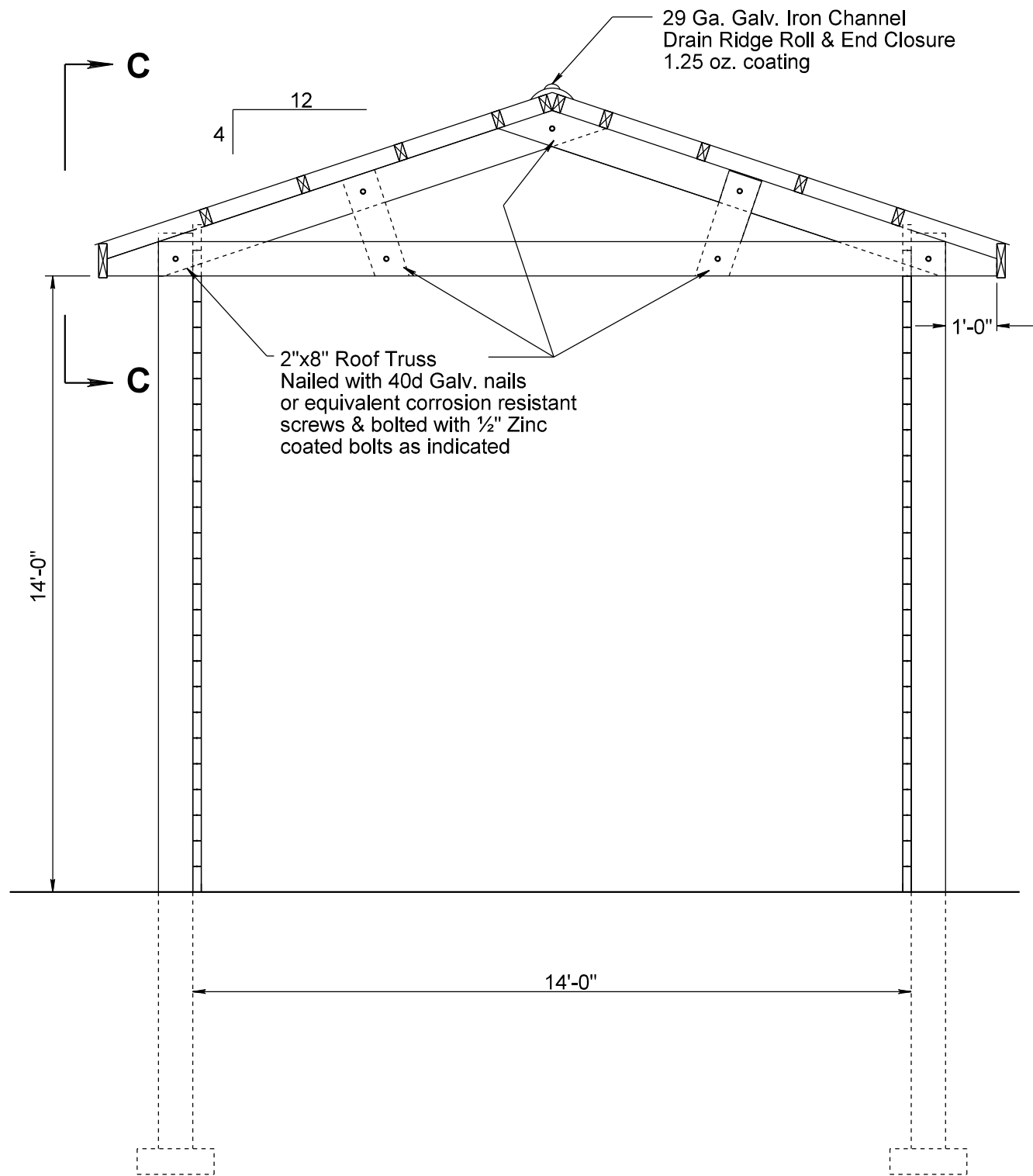
Grade Line

5'-0"

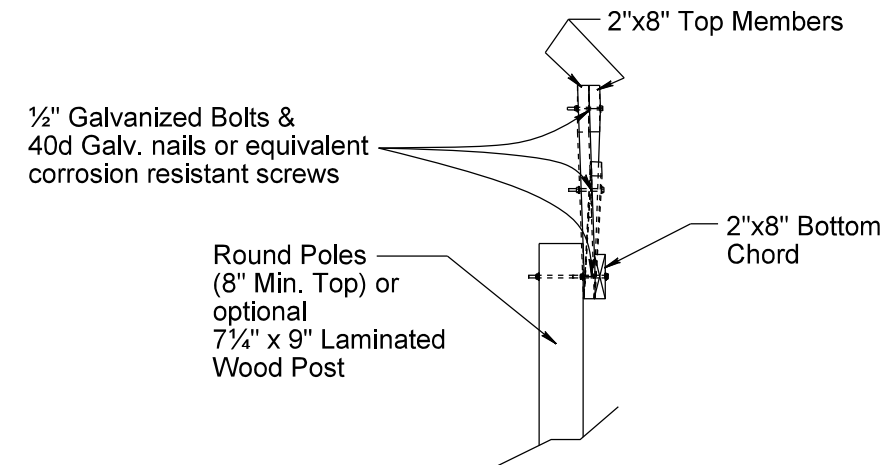
18" Dia. x 6" Thick
Concrete Pad

SECTION A-A

BULK SALT STORAGE BUILDING

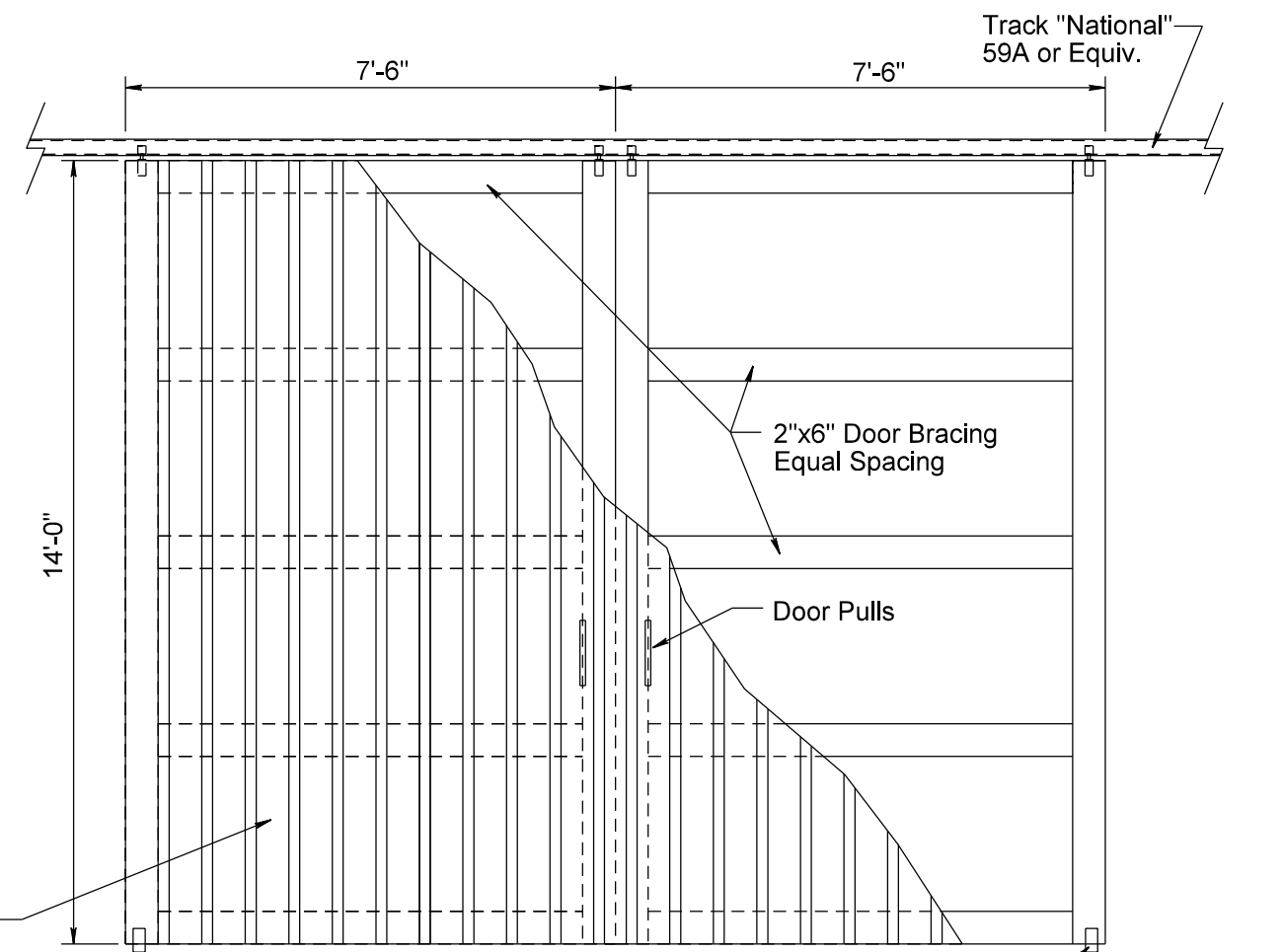


MIDDLE SECTION



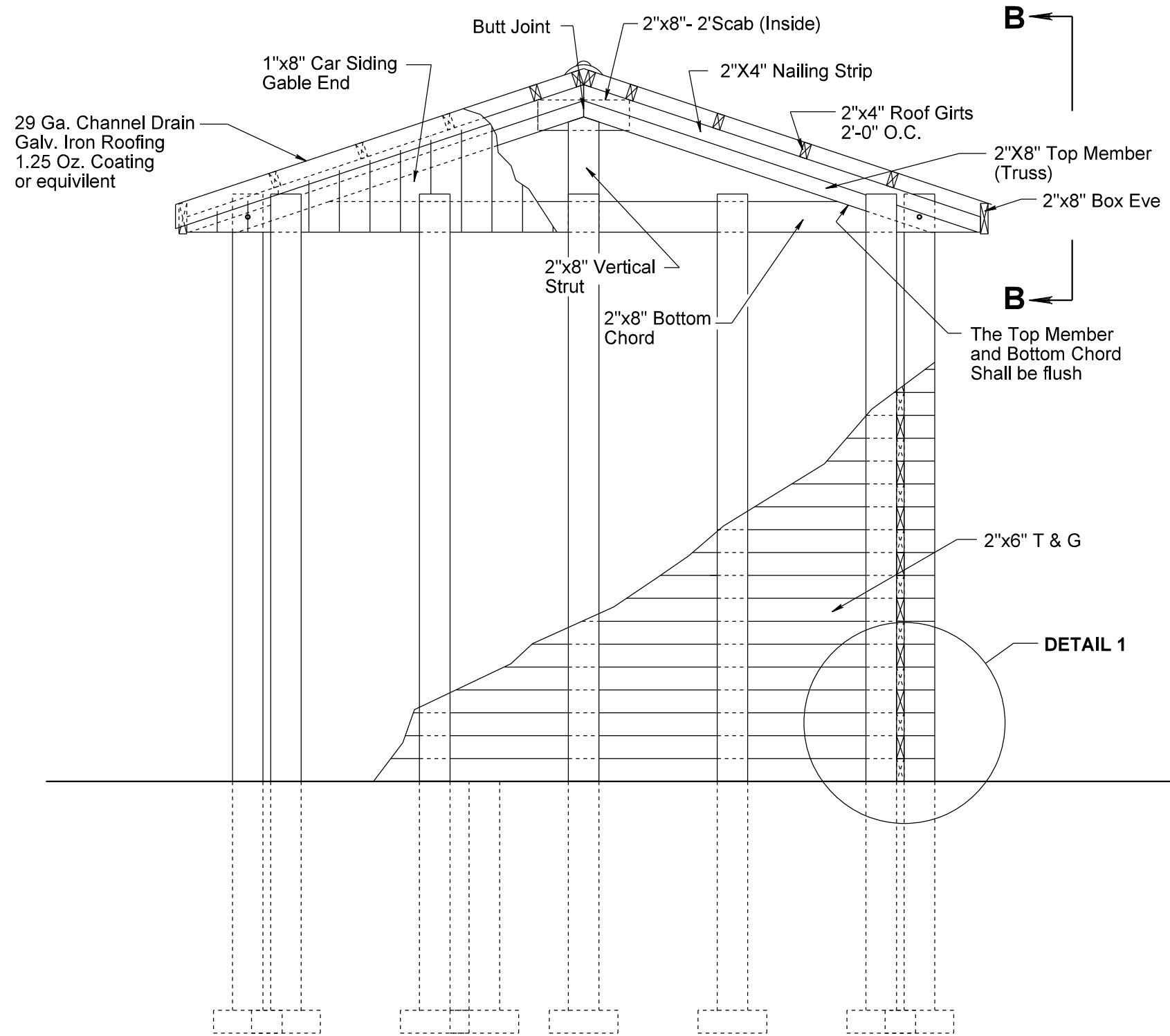
SECTION C-C

29 Ga. Channel Drain
Galv. Iron Roofing
1.25 Oz. Coating
or equivalent

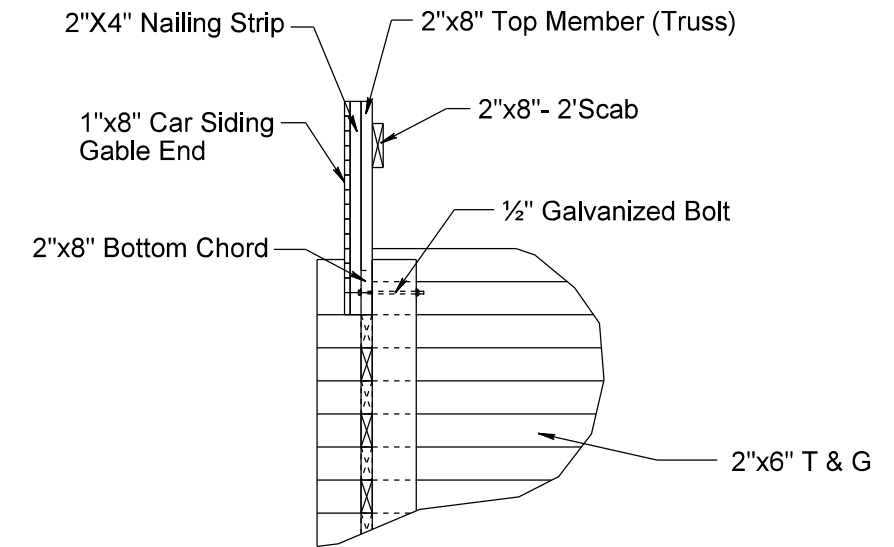


SLIDING DOOR DETAIL

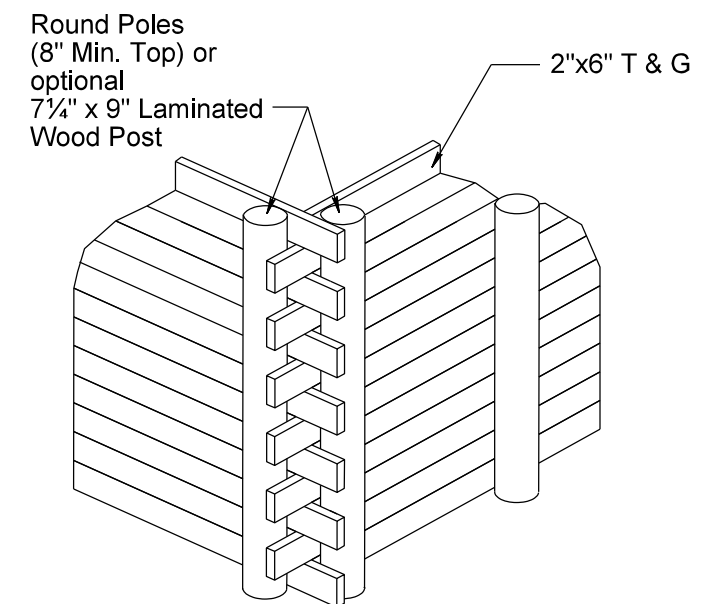
BULK SALT STORAGE BUILDING



END SECTION



SECTION B-B



DETAIL 1