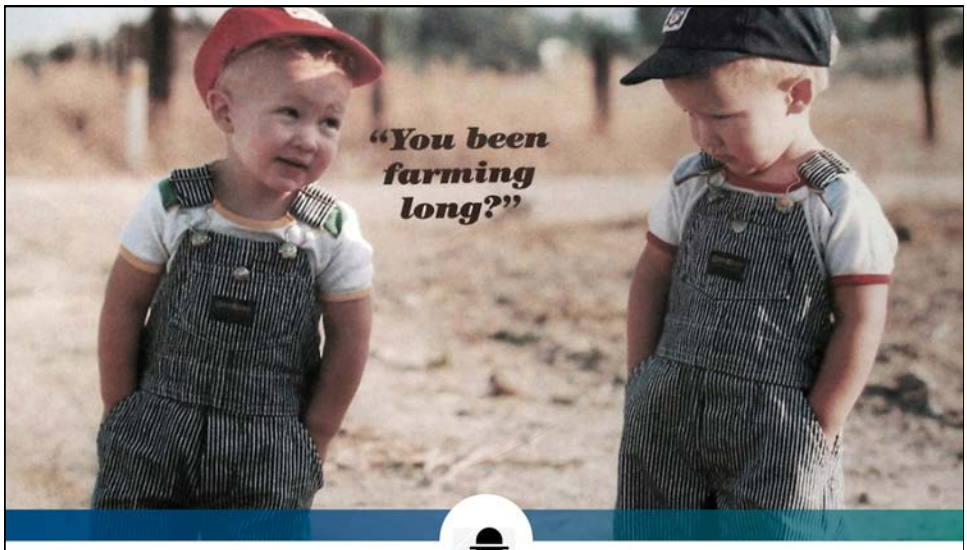
Welcome!

North Dakota
LEGENDARY

WOMAN IN A MAN'S WORLD

Mortenson
construction



How did I get here?

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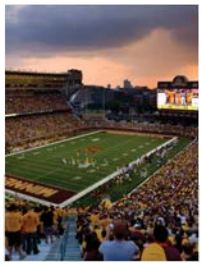
construction

Walker Art Center Expansion

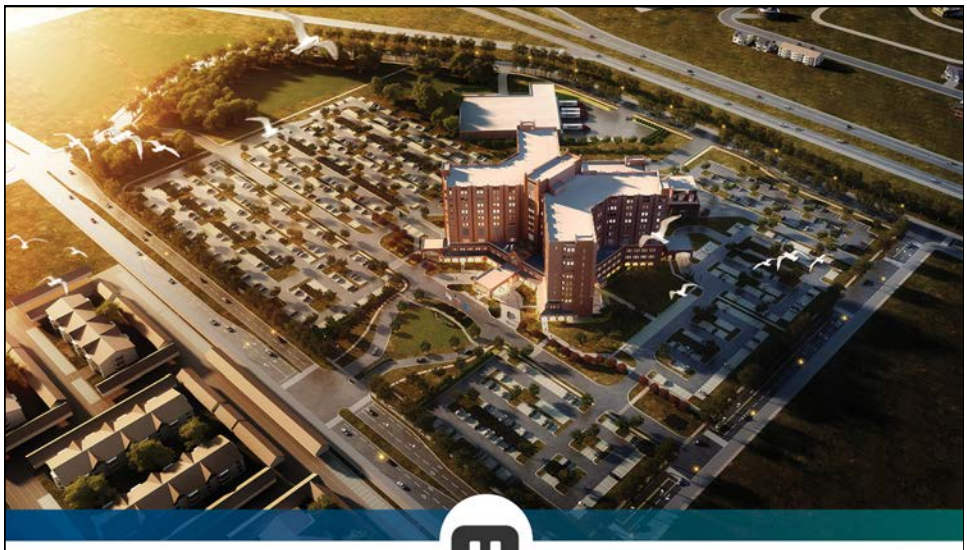


TCF Bank Stadium

Sanford Fargo Medical Center

TRUST SAFETY TEAMWORK STEWARDSHIP SERVICE RESPONSIBILITY Mortenson

Mortenson construction



Sanford Fargo Medical Center

Mortenson construction

Sanford Fargo Medical Center
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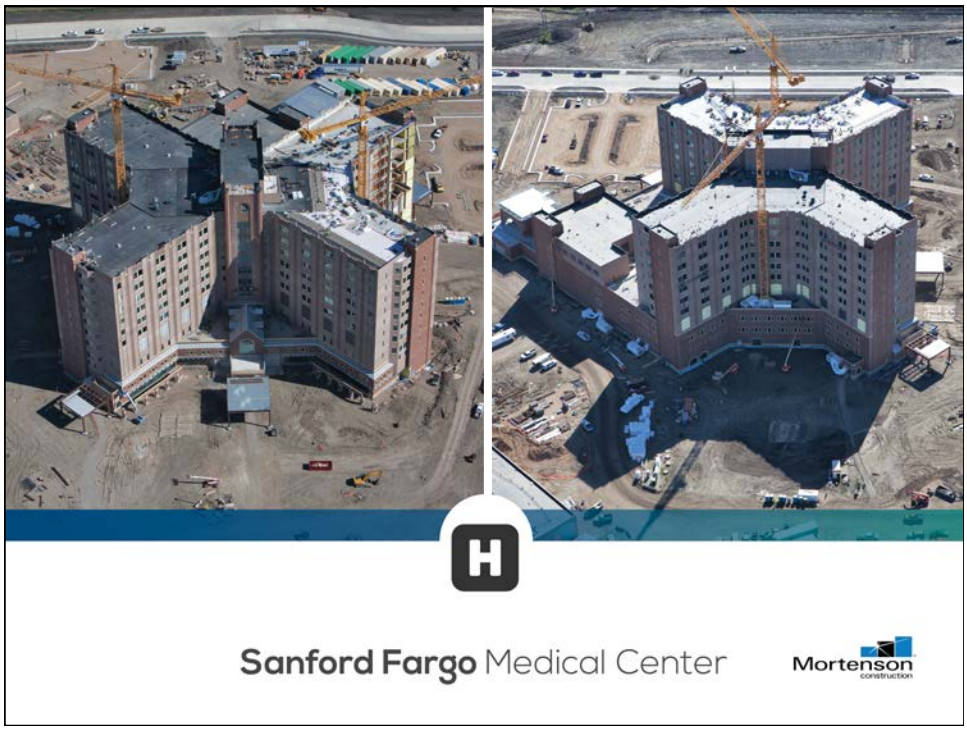
Sanford Fargo Medical Center
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Steel & Precast Info

Steel Delivery:

- First Delivery Date: June 10th, 2014
- How Many Lbs? 40,000 lbs
- Deliveries Thru: October 2014

Steel Tonnage:

8,100 Tons of Steel Total

Steel Fun Facts:

130,000 Stud Shear Connectors	100,000 Bolts Weighing 120,000 lbs	1,056 Anchor Rods
868,000 Sq. Ft. Of Decking	4,700 Beams	12,678 Connection Points

Precast Panels:

- Largest Panel: 35,600 Lbs
- Smallest Panel: 33 Lbs
- Height of Tallest Panel: 34' – 10 5/8"

Precast Tonnage:

14,353 Tons of Concrete

Precast Fun Facts:

2,322 Precast Pieces	158,000 Total # of Thin Bricks	84 Spires
89,900 Expected Fabrication Hours	12,678 Precast Connections	3,844 Embeds Casted in To Support Windows

Electrical Info

Fun Facts:

15,936 Light Fixtures	16,662 Electrical Outlets
5,836 Light Switches	544 Miles of Communication Cables

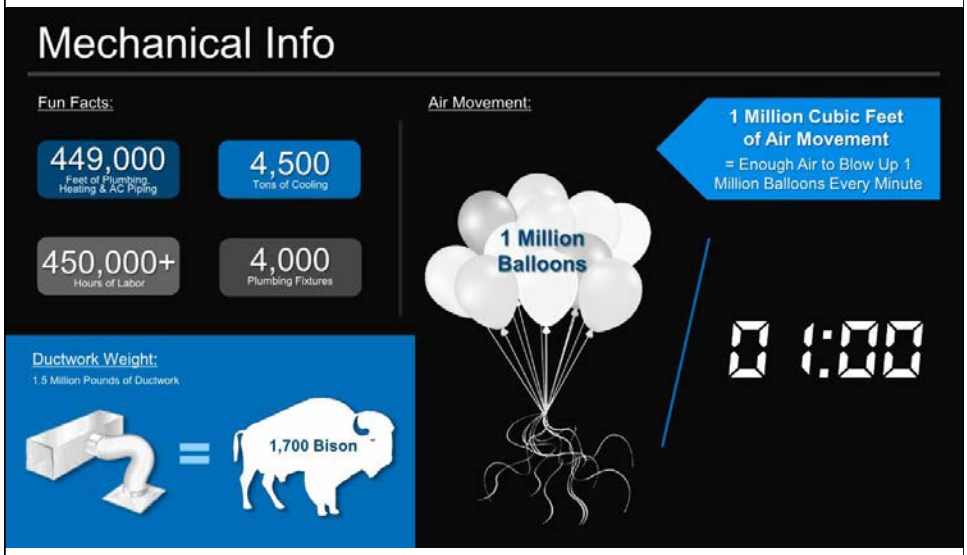
Emergency Power:

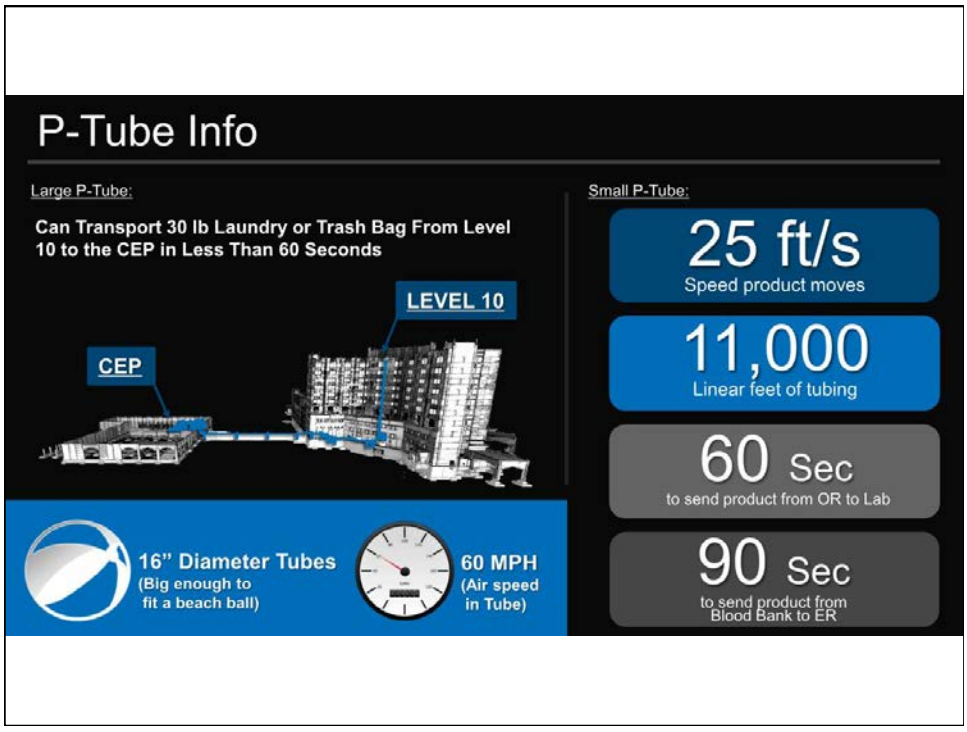
8.25 MW of Emergency Power which is enough to power the Fargo Dome & Toyota Stadium at the same time.

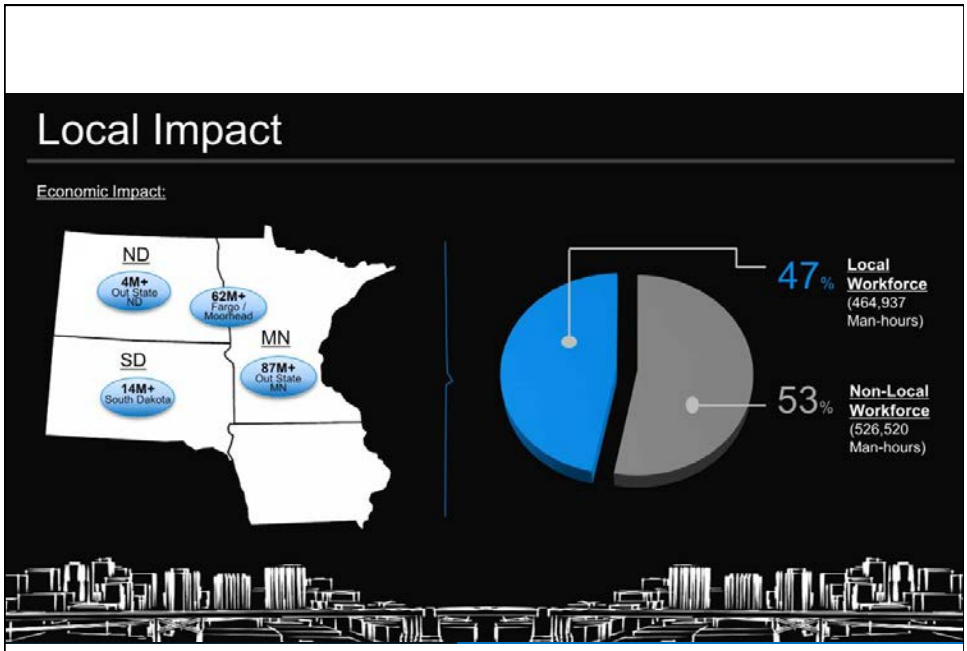
FargoDome + Toyota Stadium

Wire / Conduit:

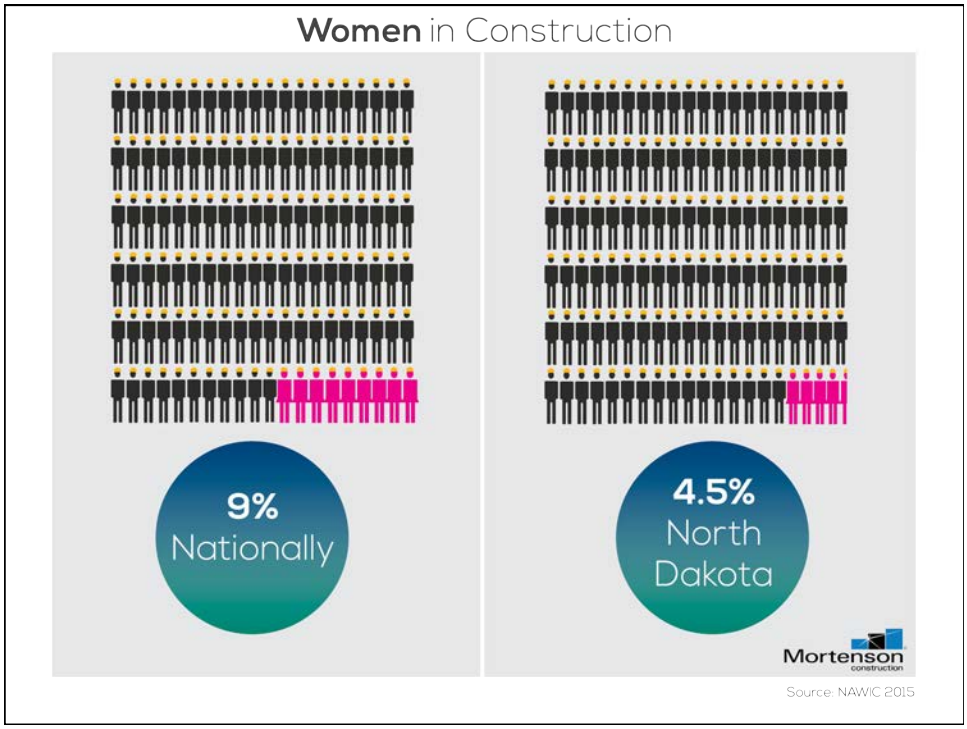
- Length of Wire: 5.9M feet (1,117 Miles)
- Length of Conduit: 2.4M feet (455 Miles)

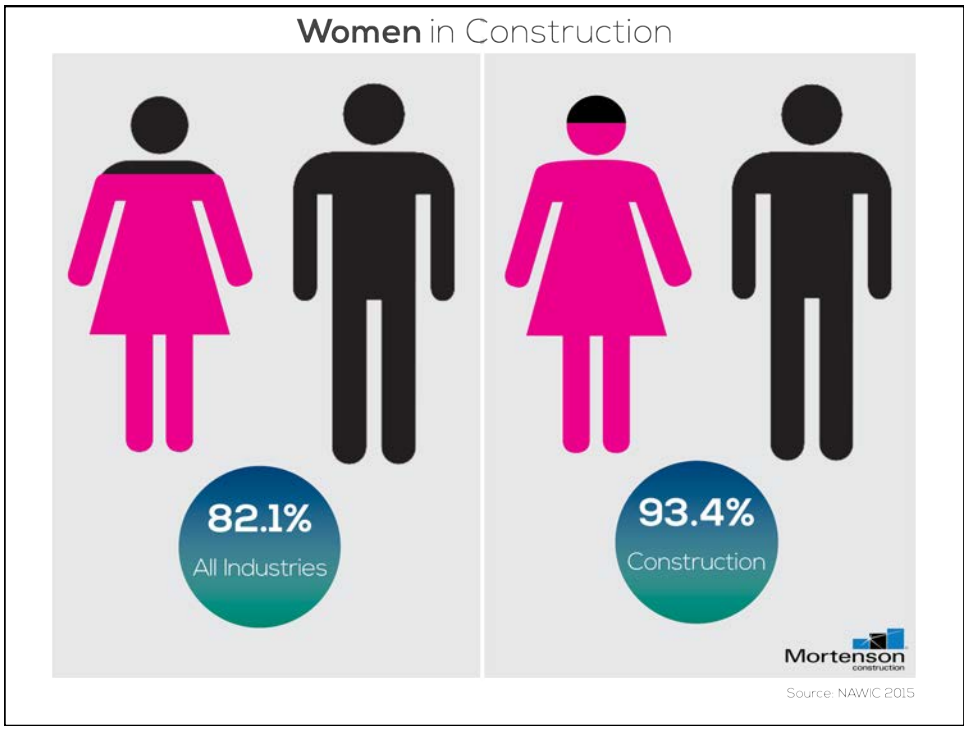

Mechanical Info
Fun Facts:
449,000
Feet of Plumbing, Heating & AC Piping
4,500
Tons of Cooling
450,000+
Hours of Labor
4,000
Plumbing Fixtures
Ductwork Weight:
1.5 Million Pounds of Ductwork
=
1,700 Bison
Air Movement:
1 Million Balloons
1 Million Cubic Feet of Air Movement
= Enough Air to Blow Up 1 Million Balloons Every Minute
01:00


P-Tube Info
Large P-Tube:
Can Transport 30 lb Laundry or Trash Bag From Level 10 to the CEP in Less Than 60 Seconds
LEVEL 10
CEP
16" Diameter Tubes
(Big enough to fit a beach ball)
60 MPH
(Air speed in Tube)
Small P-Tube:
25 ft/s
Speed product moves
11,000
Linear feet of tubing
60 Sec
to send product from OR to Lab
90 Sec
to send product from Blood Bank to ER


Local Impact
Economic Impact:
ND
4M+
Out State ND
62M+
Fargo / Moorhead
MN
SD
87M+
Out State MN
14M+
South Dakota
47% Local Workforce (464,937 Man-hours)
53% Non-Local Workforce (526,520 Man-hours)

Opportunities for Women


Women in Construction
9%
Nationally
4.5%
North
Dakota
Mortenson
construction
Source: NAWIC 2015


Women in Construction
82.1%
All Industries
93.4%
Construction
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construction
Source: NAWIC 2015

Construction **Industry**

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Recongnize = **Promote Differences**

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Change **Environment**

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Foster **Engagement**

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Encouraging Young Girls
To Try Unique Fields

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Thank you!

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QUESTION & ANSWER

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