GENERAL NOTES

1. DESIGN LOADS FOR AREA 1
   DL 15 LB/SF
   LL 100 LB/SF
   TL 115 LB/SF

2. DESIGN LOADS FOR AREA 2
   DL 15 LB/SF
   LL 200 LB/SF
   TL 215 LB/SF

3. DESIGN LOADS FOR AREA 3
   DL 10 LB/SF
   LL 200 LB/SF
   TL 215 LB/SF

NOT FOR RELEASE

PRELIMINARY

FLOOR FRAMING PLAN

 Nicl Floor Framing Plan

NOT FOR RELEASE

PRELIMINARY

FLOOR FRAMING PLAN

NOT FOR RELEASE

PRELIMINARY

FLOOR FRAMING PLAN

NOT FOR RELEASE

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PRELIMINARY

FLOOR FRAMING PLAN

NOT FOR RELEASE

PRELIMINARY

FLOOR FRAMING PLAN
1. The floor systems are constructed with 2x4's laid flat and level on the snow with 3/4" plywood, screwed down to 2x6's.

2. The floor systems are constructed with 2x4's set on 12" centers with 2x4 framing. 3/4" plywood applied on top. The top 3/4" plywood has a non-skid coating.

3. Floor systems will have heavy loads placed on them, therefore, they should not be connected to each other. Floor systems.

4. Non-skid surface plywood to offset first layer plywood spans.
GENERAL NOTE
1. Fan outbuilding As-Built on Site.
   Size to be determined in Field.

KEYNOTES
1. Do not connect railing to drill ops
2. Design exact location in Field.
3. Removable floor panels (slot access)
4. Damper, max. or gate.
5. Removable floor panels (enclosure)
6. Drill fan under control; cages; access
7. Guardrails
8. 2'-0" min. clear area for walkway
9. Fluid storage area

MECHANICAL COMPRESSOR ROOM

FAN OUTBUILDING PLAN (TYP.)

DRILL OPS PLAN

CORE STORAGE BASEMENT PLAN

NICL/ICDS FLOOR PLAN

NOT FOR RELEASE
PRELIMINARY
1/4" PENTRATION FOR LIGHT TUBES OR EXHAUST VENTS MUST BE LOCATED AT LEAST 4 SECTIONS A FROM EDGES & A MINIMUM OF 4 SECTIONS (SEVEN EACH PENETRATION).

FUEL STORAGE AREA

ROOM 1

ROOM 2

NORTH GRID TRUE

RCM AREA

INC/ICDS AREA

INC/ICDS ROOF PLAN

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

PRELIMINARY
NOT FOR RELEASE
KEYNOTES

1. 4'-0" x 8'-0" DRYING BOOTH
2. PHYSICAL PROPERTIES WORKBENCH
3. 1 TON TRI-ADJUSTABLE STEEL CRANE, 18'-0" MAC, & MILL (ANNEX WALL), 12'-0" O.D.
4. K.P. PALLET
5. REMOVABLE FLOOR LEVEL ROLLERS (TBD)
6. MOBILE TABLES (PACKING STATION)
7. DIGITAL MEASURING DEVICE
8. LIDING COMPUTER
9. 1 METER LOGGING AREA
10. SAW
11. 10'-0" ROLLER TRACK
12. ELECTRICAL PANEL - 408V MDP
13. A.F. PALLET
14. TRANSFORMER - 208V
15. ELECTRICAL PANEL - 208V
16. CORE BARREL
17. CORE BARREL STAGING
18. CORE BARREL STAGING
19. 4'-0" x 8'-0" STORAGE RACKS
20. WHEELED CART
21. DESK (DRILL OPS)
22. ELEC (DRILL OPS)
23. CENTRIFUGE
24. COLLECTION TANK
25. LOCAL WINCH CONTROL
26. WINCH DRIVE
27. SCREEN CLEANING
28. TOWER HYDR. UNIT
29. WINCH HYDR. UNIT
30. 4'-0" x 8'-0" STORAGE RACKS
31. CARGO STAGING
32. FRAME POWER
33. CENTRIFUGE POWER & SCREEN CLEANING POWER
34. LOAD BANK
35. ELEC (HYDRAULIC POWER UNIT-TOWER)
36. FLUID HANDLING & MIXING

1. THIS DRAWING IS NOT FOR RELEASE
2. SCALE: 3/16"=1'-0"
3. SCALE: 1/4"=1'-0"
4. SCALE: 1/8"=1'-0"
Window in door for safety.

Window next to opening for visual observation, location & size TBD on site.

Exact size, location & opening size TBD on site.

Framed with steel studs insulated with rigid foam sheeted with 1/2" plywood both sides.

NOT FOR RELEASE
PROJECTED SNOW ACCUMULATION RATES AT WAIS DIVIDE
ARCH FACILITY FOR YEARS 1-10, 2005-2015
(3 FEET PER YEAR PROJECTED)
NOTE: DOES NOT ACCOUNT FOR DRIFTING
NICL INSULATION BLANKET SECTION

INCHES

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

APPROXIMATE BLANKET DIMENSIONS
LENGTH = 47'-0"
WIDTH = 50"
GROMMETS = 48" ON CENTERS TO VELCRO CENTER
GROMMETS = 12" SPACING

APPROXIMATE BLANKET WEIGHT
1 SQ. FOOT = .32 LBS.

NOTE: THIS BAR = 1" AT FULL SCALE
NOT FOR RELEASE
PRELIMINARY
NOT FOR RELEASE

NICL INSULATION BLANKET ATTACHMENT

KEYNOTES
1. SCREW TYPE WITH FENDER WASHER TBD.
2. BLANKET R-12 WITH FIRE RESISTANT OUTER LAYER

NICL INSULATION BLANKET END

OPPOSITE EDGE

EDGE BINDING, DURASHIELD® 8000FR OR DURASHIELD® 1400FR
STITCHING, 138 BONDED POLYESTER THREAD

DURASHIELD® 8000FR OR DURASHIELD® 1400FR
STITCHING, 138 BONDED POLYESTER THREAD

OPPOSITE EDGE

VELCRO

NICL INSULATION BLANKET OPPOSITE END

BLANKET #1
BLANKET #2
BLANKET #3

Screwed to Arch
Velcroed to Blanket #2
Velcroed to Blanket #2

DURASHIELD® 8000FR OR DURASHIELD® 1400FR
STITCHING, 138 BONDED POLYESTER THREAD

OPPOSITE EDGE

VELCRO
WAIS FACILITY ISOMETRIC VIEW

DIMENSIONS:

C-2954
84\' x 29\' 3-1/2\" W x 14-1/2\" H

C-2950
100\' x 25\' 3\" W x 25\' 4-3/16\" H

NOT FOR RELEASE

Preliminary
FIRE SYSTEM LEGEND

- SMOKE DETECTOR. (BATTERY OPERATED) SINGLE STATION P
- FIXED TEMPERATURE HEAT DETECTOR WITH HEAT COLLECTING SHROUD, PENDANT CO
- DISCHARGE ALARM STATION UP 8'-0".
- FIRE ALARM COMBINATION HORN/VISUAL INDICATOR STATIONS SURFACE MOUNTED: CO2
- MANUAL PULL STATION UP 54", U.O.N.
- HEAT DETECTOR CEILING MOUNTED - RATE COMPENSATION TYPE.
- MAGNETIC DOOR HOLDER ASSEMBLY. MOUNT ON SOLIDLY MOUNTED OUTLET BOX AT HEIGHT AND LOCATION AS RECOMMENDED BY DOOR MANUFACTURER.
- PHOTOELECTRIC SMOKE DETECTOR, INSTALLED IN A SUPPLY (SA) OR RETURN (RA) DUCT.
- EMERGENCY SHUTDOWN SWITCH FOR POWER AS NOTED.
- FIRE ALARM VISUAL INDICATOR SURFACE MOUNTED UP 8'-0", U.O.N.
- MANUAL DISCHARGE ALARM SWITCH.
- UNDERFLOOR PHOTOELECTRIC SMOKE DETECTOR.
- HEAT DETECTOR CEILING MOUNTED - RATE COMPENSATION TYPE.
- HEAT DETECTOR UNDER FLOOR - FIXED TEMPERATURE.
- HEAT DETECTOR CEILING MOUNTED - FIXED TEMPERATURE.
- FIXED TEMPERATURE, HEAT DETECTOR WITH HEAT COLLECTING SHROUD, PENDANT.
- FIRE ALARM MONITOR MODULE.
- FIRE ALARM HORNB VISUAL INDICATOR STATIONS SURFACE MOUNTED: NO PROJECTION UP 8'-0", U.O.N.
- CO2 BRACKET MOUNT FIRE EXTINGUISHER.

NOTE: BERTHING TO BE UP TO 16 PERSONS PER TENT.

MC-WAIS-FP-101-REV B
1. DRILL SITE FIRE PROTECTION PLAN

1. POWER MODULE (TBD)
2. SNOW MELTEN (TBD)
1. NCL/ICDS FURNITURE/EQUIPMENT LAYOUT

2. CORE STORAGE BASEMENT FURNITURE/EQUIPMENT LAYOUT
VENTILATION FLOW DIAGRAM

SCALE: 1/16"
**GENERAL NOTES**

1. BASEMENT LIGHTING CAN BE STRING LIGHT FROM GRAINGER.
   STOCK #6YF72 (10 LIGHTS ON A 100'-0" CORD)

**CORE STORAGE BASEMENT LIGHTING PLAN**

**NICL LIGHTING SECTION**

**ICDS LIGHTING SECTION**

**Preliminary**

**Not for Release**

**ICDS Lighting Plan**

**NICL Lighting Plan**

**Core Storage Basement Lighting Plan**

**General Notes**

1. Basement lighting can be string light from Grainger.
   Stock #6YF72 (10 lights on a 100'-0" cord).
POWER DISTRIBUTION NOTES

1. ALL 20A/2P BRANCH CIRCUITS, EXCEPTING TO CAMP ELECTRICAL SERVICE ONE-LINE DIAGRAM & WITHOUT INCLUSION OF ALL TENTS, SHALL BE RUN USING 12/4 TYPE SOOW FLEXIBLE POWER CABLE. INSTALL, SUPPORT & PROTECT TO COMPLY WITH NEC ARTICLE 590.

2. ALL 20A/3P BRANCH CIRCUITS, EXCEPTING TO CAMP ELECTRICAL SERVICE ONE-LINE DIAGRAM & WITHOUT INCLUSION OF ALL TENTS, SHALL BE RUN USING 12/3 TYPE SOOW FLEXIBLE POWER CABLE. INSTALL, SUPPORT & PROTECT TO COMPLY WITH NEC ARTICLE 590.

3. PROVIDE CAST METAL LIQUID TIGHT, STRAIN RELIEF CORD & POWER CABLE CONNECTORS FOR ALL J-BOX, OUTLET BOX & ENCLOSURE CONNECTIONS INSIDE ALL TENTS & EXTERNAL TO CAMP ELECTRICAL SERVICE ONE-LINE DIAGRAM & WITHOUT INCLUSION OF ALL TENTS.
**LIGHTING FIXTURE SCHEDULE**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>DESCRIPTION</th>
<th>LAMPS</th>
<th>VOLTS</th>
<th>MOUNTING</th>
<th>MANUFACTURER</th>
<th>CATALOG NO.</th>
</tr>
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<tbody>
<tr>
<td>A</td>
<td>1 1/2&quot; D. IN. HELD OPEN REFLECTOR #15 HIGH PRESSURE 300-WATT DOUBLE ALUMINUM LAMP (2), 277-VOLT HI-VOLTAGE DRY LOCATION</td>
<td>1</td>
<td>277</td>
<td>Ceiling</td>
<td>Lithonia</td>
<td>H700957</td>
</tr>
<tr>
<td>B</td>
<td>1 1/2&quot; D. IN. HELD OPEN REFLECTOR #15 HIGH PRESSURE 300-WATT DOUBLE ALUMINUM LAMP (2), 277-VOLT HI-VOLTAGE DRY LOCATION</td>
<td>1</td>
<td>277</td>
<td>Ceiling</td>
<td>Lithonia</td>
<td>H700957</td>
</tr>
<tr>
<td>C</td>
<td>1 1/2&quot; DIAM. HIGH PRESSURE #15 HINGED REFLECTOR (2), 277-VOLT HI-VOLTAGE DRY LOCATION</td>
<td>1</td>
<td>277</td>
<td>Ceiling</td>
<td>Lithonia</td>
<td>H700957</td>
</tr>
<tr>
<td>D</td>
<td>1 1/2&quot; DIAM. HIGH PRESSURE #15 HINGED REFLECTOR (2), 277-VOLT HI-VOLTAGE DRY LOCATION</td>
<td>1</td>
<td>277</td>
<td>Ceiling</td>
<td>Lithonia</td>
<td>H700957</td>
</tr>
</tbody>
</table>

**TOTAL NON-DIVERTED LAMPS**: 445.8

**TOTAL NON-DIVERTED WATTS**: 372.9

**TOTAL DIVERSIFIED WATTS**: 0.0