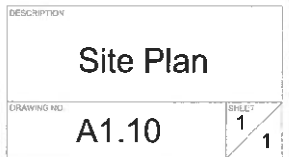


Attachment 3

380-Person Camp Layout

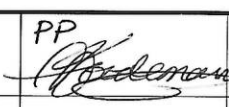
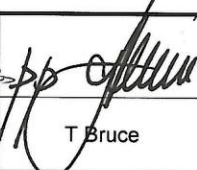




Attachment 4

380-Person Camp Construction Methodology

Plan

Construction Methodology - Milne Port Accommodation Facility

| | | | | | | |
|------------|------|---------------------|---|---|--|---|
| | | | PP  |  |  |  |
| 2017-07-14 | 0 | Approved for Use | L Langlois | T Bruce | S Heiner | M Weaver |
| DATE | REV. | STATUS | PREPARED BY | CHECKED BY | APPROVED BY | APPROVED BY |
| | | | | | | Employer |

1. Overview

A new accommodation camp with a 380 single bed configuration is intended to be constructed at Milne Port. The associated infrastructure, including a dedicated sewage treatment plant and potable water treatment plant, are included within this scope.

The new accommodations camp and associated infrastructure will be situated on a new accommodation camp pad located south of the Milne Port Ore Stockpile Pad and west of the Tote Road (Km 1).

2. Scope of Work

The scope of work starts with the sourcing of construction material which consists of drilling, blasting and crushing aggregate at the Milne Port Q1 Quarry. This produced rock fill material will be utilized to construct the pad for the new accommodations camp pad, a diversion ditch to direct surface water around the pad's southern perimeter and a utility berm to bench the required electrical cables for the new camp. This infrastructure is required to support the assembly and installation of the new 380 person camp and its associated facilities at Milne Port.

3. Methodology

3.1 Earthworks

3.1.1 *Material Sourcing*

Material, both bulk fill and crusher produced aggregates, required for the new accommodations camp pad and associated works will be sourced from the Milne Inlet Q1 Quarry.

Quarry operations at the Q1 Quarry will be in accordance with the current Baffinland Q1 Quarry Management Plan (BAF-PH1-830-P16-0017).

A coordination meeting will be held between Baffinland Operations and Projects departments and the relevant contractors to determine the total aggregate requirements and develop a schedule for the planned quarry development at the Q1 Quarry.

Reference documents:

Q1 Quarry Management Plan (BAF-PH1-830-P16-0017)

3.1.2 Camp Pad Water Diversion System Construction

A diversion system is required to direct the flow of a small seasonal stream around the southern perimeter of the new accommodations camp pad at Milne Port. Construction of the diversion system will adhere to the Construction Methodology – Camp Pad Water Diversion System (H353004-40000-400-050-0001 – Rev. 1) and engineered drawings designed and provided by Hatch.

Reference Documents:

Hatch – Construction Methodology – Camp Pad Water Diversion System
(H353004-40000-400-050-0001, Rev. 1)

Hatch – Milne Port Camp Pad Natural Stream Diversion – Hydrology & Hydraulic
Calculations (H353004-2100-240-030-001, Rev. 0)

3.1.3 Camp Pad and Foundation Construction

The sub-grade of the accommodations camp pad will be constructed using Type 12 (Run of Quarry <200mm) coarse material and capped with Type 5 (<32mm crushed) crushed granular surface material. Type 5 material will be utilized as a final pavement for walkways and parking areas.

Pad construction will begin by the placement of Type 12 (Run of Quarry <200mm) coarse material. Upon achieving the required lift thickness, the entire surface area will be proofed and compacted with the utilization of a 10-ton vibratory compactor. Upon achieving consolidation, placement of Type 5 (<32mm crushed) crushed surface material will follow and be completed to the design elevation, including proofing and compaction with a 10-ton vibratory compactor. In addition, the pad will be graded to be free draining in order to prevent water from ponding on the pad.

The foundations for the camp structures will be installed by the Camp Installation Contractor. The foundations will consist of wooden cribbing assembled on top of interlocking 6" thick wooden matting. Both the hard-wall common core structures as well as the soft-wall dormitories will be erected upon these wooden foundations.

The foundations for the potable water treatment plant and the sewage treatment plant will incorporate a high-density expanded polystyrene insulating layer to offset any potential thermal migration into the underlying pad.

The layout of the new accommodations camp is presented in the Horizon North document: Milne Port New Accommodations Camp - Site Plan (A1.10)

Reference Documents:

Milne Port New Accommodations Camp - Site Plan (A1.10)

3.1.4 *Utility Berm Construction*

The new camp will need to be temporarily energized following the assembly of the camp and associated infrastructure using an electrical feed (3-5 kV cable) tied into Milne Port's existing power generators. Prior to commissioning the new camp and associated infrastructure, the temporary electrical feed will be discontinued and switched over to a dedicated e-house connected to Milne Port's power generators. To tie-in the dedicated e-house for the new camp and associated infrastructure, the existing utility berm will need to be extended to route the electrical cables between the new camp and the dedicated e-house near the existing Milne Port's power generators. A route for the utility berm extension has been determined and is aligned in a northeast direction from the new camp pad.

In addition to extending the existing Milne Port utility berm, the existing Milne Port utility berm will be widened by 1.5 meters to accommodate the additional electrical cables required to service the new camp and associated infrastructure. The design and construction of the utility berm extension and widening will be consistent with existing utility berms at the Project.

3.2 **Camp Construction**

The layout of the new camp and associated infrastructure is provided in Horizon North document: Milne Port New Camp – Site Plan (A1.10). Construction of the new camp and associated infrastructure will commence on the north end of the new camp pad with the erection of a 2,400 sq. ft. garage. The garage will be used by the Camp Installation Contractor as a warming shed and fabrication area during the assembly of the new camp and associated infrastructure (sewage treatment plant, potable water treatment plant, etc.). Following the construction of the new camp and associated infrastructure, the garage will continue to be used to support the operation of the new camp.

Following the construction of the garage, construction of the new camp will commence with placement of the hard-wall common core facilities on the wooden foundations. While these common core units of the new camp are being integrated and assembled, the installation of the potable water treatment plant, located adjacent to the garage, will begin. The installation of the transformer and dedicated e-house will also occur during this same period in the schedule.

In parallel to the installation of the potable water treatment plant, the installation of the sewage treatment plant will occur on the far southern portion of the new camp pad. This location has been selected to take advantage of the prevailing winds from the north. The installation and commissioning of the sewage treatment plant and potable water treatment plant will require specialized skills and will be directed by the expertise of the vendor. Commissioning of the sewage treatment plant and potable water treatment plant will include connecting the plants to the new camp using insulated HDPE piping.

The new camp, sewage treatment plant and potable water treatment plant include a fire suppression system (sprinkler system) that will be connected to the fire pumps and tanks by insulated HDPE piping. Assembly and commissioning of the fire suppression systems and associated pumps and tanks will occur during the construction of the new camp.

Following the assembly and integration of the hardwall common core units of the new camp, the Camp Installation Contractor will start the installation and integration of the soft walled accommodation modules, starting from the north and progressing to the south. During this time, and following the sewage treatment plant and potable water treatment plant becoming operational, Baffinland Operations will coordinate the opportunity to populate the beds as they become available.

4. Reference Documents

| Document Identification | Document Title | Author |
|------------------------------------|---|---------------|
| Site Plan (A1.10) | Milne Port New Accommodations Camp – Site Plan | Horizon North |
| H353004-40000-400-050-0001, Rev. 1 | Construction Methodology – Camp Pad Water Diversion System | Hatch |
| H353004-2100-240-030-001, Rev. 0 | Hatch - Milne Port Camp Pad Natural Stream Diversion – Hydrology & Hydraulic Calculations | Hatch |

Attachment 5

380-Person Camp – Supporting IFCs

(Part 1 of 2)

| Building Code Analysis (N.B.C. - 2015): 16 UNIT CAMP CORE | | | | DESIGN OCCUPANT LOAD: | |
|---|---|---|-------------------------------------|--|-------------------|
| MAJOR OCCUPANCY: GROUP A, DIVISION 2, DINING GATHERING OCCUPANCIES.DIV. B, PART 3, ARTICLE 3.2.2.25 OTHER OCCUPANCIES: | | | | 3.1.17.1 DINING BEVERAGE AND CAFETERIA SPACE 462.08m ² @ 1.20/m ² = 385 PERSONS | |
| DESCRIPTION: | ARTICLE: | PROVIDED: | | | |
| NUMBER OF STOREY(S): BUILDING ACCESS: TOTAL BUILDING AREA: SPRINKLERED: OCCUPANT LOAD: FIRE ALARM SYSTEM: | - 3.2.2.25(1a) - 3 STOREY MAXIMUM - 3.2.2.10 - TABLE 3.2.2.25 <1,600m ² - 3.2.1.7 + 2,000 m ² - TABLE 3.1.17.1 3.2.4.1 | - 1 STOREY - FACING 1 STREET W/ ACCESS ON THREE SIDES - 1,087.43 m ² (11,705 ft ²) - N/A; NON-SPRINKLERED - STIPULATED MAX 432 PERSONS - PROVIDED | | 3.1.17.1 KITCHEN 63.51m ² @ 9.30/m ² = 7 PERSONS | |
| | | | | 3.1.17.1 STORAGE 236.71m ² @ 46.00/m ² = 5 PERSONS | |
| | | | | 3.1.17.1 VESTIBULE/ENTRY LOBBY 93.10 m ² @ 3.70/m ² = 25 PERSONS | |
| | | | | 3.1.17.1 OFFICE 83.37m ² @ 9.30/m ² = 9 PERSONS | |
| | | | | 3.1.17.1 OTHER USES MECHANICAL & ELECTRICAL ROOM 24.63m ² @ 46m ² / PERSON = 1 PERSONS | |
| TOTAL DESIGN OCCUPANT LOAD = 432 PERSONS | | | | | |
| 3.7.2.2 WATER CLOSET REQ'D: | | | | | |
| FOR OVER 400 PERSONS (TABLE 3.7.2.2.A) AT LEAST 7 MALE WC, REQ'D AND 13 FEMALE WC REQ'D | | | | | |
| PROVIDED: - 7 MALE WC, AT WASHROOM BLDG - 13 FEMALE WC, AT WASHROOM BLDG | | | | | |
| NUMBER OF EXITS: | | | | | |
| 3.4.2.1 (1) DINING | | | | | |
| 2 EXITS REQ'D; 5 EXITS PROVIDED | | | | | |
| LOCATION OF EXITS: | | | | | |
| 3.4.2.5(1) MAX TRAVEL DISTANCE REQ'D = 30m ACTUAL TRAVEL DISTANCE =28.52m | | | | | |
| SPATIAL SEPARATION & EXPOSURE PROTECTION: | | | | | |
| EXPOSING WALL PROJECT NORTH | TABLE 3.2.3.1.B | | TABLE 3.2.3.7 | | |
| | % U/O PERMITTED | % U/O ACTUAL | TYPE OF CONSTRUCTION REQUIRED | TYPE OF CLADDING REQUIRED | MINIMUM F.R.R. |
| NORTH WALL 44.59 m ² SETBACK = 24.18 m | 100% | 4.37% | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE | N/A |
| SOUTH WALL 44.59 m ² SETBACK = 30.81 m | 100% | 8.75% | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE | N/A |
| EAST WALL 144.99 m ² SETBACK = 9.70/2=4.85 m | 30,71% | 5,38% | COMBUSTIBLE OR NONCOMBUSTIBLE | NONCOMBUSTIBLE | 45MIN. F.R.R. |
| WEST WALL 144.99 m ² SETBACK = 9.75/2=4.87 m | 30,85% | 1,34% | COMBUSTIBLE OR NONCOMBUSTIBLE | NONCOMBUSTIBLE | 45MIN. F.R.R. |

| Building Code Analysis (N.B.C. - 2015): 50 UNITS DORM | | | | DESIGN OCCUPANT LOAD: | |
|--|--|---|-------------------------------------|---|-------------------|
| MAJOR OCCUPANCY: GROUP C, RESIDENTIAL OCCUPANCIES.DIV. B, PART 9, ARTICLE 9.10.2.1 OTHER OCCUPANCIES: | | | | 3.1.17.1 DWELLING UNITS 1 BEDROOM UNIT = 50 UNITS @ 1 PERSON PER SLEEPING ROOM = 50 PERSONS | |
| DESCRIPTION: | ARTICLE: | PROVIDED: | | | |
| NUMBER OF STOREY(S): TOTAL BUILDING AREA: | - 1.3.3.3(1) - 3 STOREY MAXIMUM - 1.3.3.3(1) - 600m ² MAXIMUM | - 1 STOREY; FACING 1 STREET - 568.13m ² (6,115,25ft ²)< 600m ² | | 3.1.17.1 OTHER USES MECHANICAL & ELECTRICAL ROOM 13.76m ² @ 46m ² / PERSON = 1 PERSON | |
| -SPRINKLERED | -NON-SPRINKLERED | -NON-SPRINKLERED | | TOTAL DESIGN OCCUPANT LOAD = 51 PERSONS | |
| FIRE SEPARATIONS: | RATINGS: | PROVIDED: | | 3.7.2.2 WATER CLOSET REQ'D: | |
| BUILDING CONSTRUCTION: FLOOR ASSEMBLIES: ROOF ASSEMBLIES: LOAD BEARING WALLS: | - COMBUSTIBLE & N/C CONST. - 9.10.8.1 - 45MIN. FIRE RATED ASSEMBLY - 9.10.8.1 - NON-RATED - 9.10.8.3 - NOT < THAT REQ'D FOR THE SUPPORTED FLOOR OR ROOF ASSEMBLY | - COMBUSTIBLE & N/C CONST. - 1HR F.R.R. - | | 3.7.2.2 (10) DWELLING UNIT AT LEAST 1 WC, REQ'D FOR EACH 10 PERSON OF EACH SEX. | |
| DEMISING WALL: MECHANICAL ROOM: EXIT STAIR: STORAGE ROOMS: TWENTY-MINUTE CLOSURES | - 9.10.9.14(1) - 45MIN. FIRE RATED ASSEMBLY - 9.10.10.4 - NOT LESS THAN 1HR. FIRE RATING - 9.9.4.2 - 45MIN. FIRE RATED ASSEMBLY - 9.10.10.6 - NOT LESS 1HR FIRE RATING - 9.10.13.1(1) - NOT LESS THAN 20 MIN. F.R.R. | -1HR F.R.R. - 1HR F.R.R. - 1HR F.R.R. -1HR F.R.R. 20MIN. F.R.R. | | PROVIDED: - 51 WC, WITH 26 URINALS AT WASHROOM BLDG | |
| NOISE PROTECTION: | RATINGS: | PROVIDED: | | NUMBER OF EXITS: | |
| CORRIDOR: DEMISING WALL: | - 9.11.2.1 (1) - NOT LESS THAN STC 50 - 9.11.2.1 (1) - NOT LESS THAN STC 50 | - STC 50 -STC 50 | | 9.9.7.4(1) DWELLING UNITS | |
| SPATIAL SEPARATION & EXPOSURE PROTECTION: | | | | 2 EXITS REQ'D: 3 EXITS PROVIDED | |
| LOCATION OF EXITS: | | | | 9.9.8.2(c) MAX. TRAVEL DISTANCE REQ'D = 30m | |
| ACTUAL TRAVEL DISTANCE = 23,91m | | | | | |
| EXPOSING WALL PROJECT NORTH | TABLE 9.10.14.4.A | | TABLE 9.10.14.5.A | | |
| | % U/O PERMITTED | % U/O ACTUAL | TYPE OF CONSTRUCTION REQUIRED | TYPE OF CLADDING REQUIRED | MINIMUM F.R.R. |
| NORTH WALL 22.29 m ² SETBACK = 11.86 m | 100% | 4.37% | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE | N/A |
| SOUTH WALL 22.29 m ² ATTACHED TO CORRIDOR | N/A | N/A | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE | 1HR. F.R.R. |
| EAST WALL 148.64 m ² SETBACK = 9.90/2=4.95 m | 15.32% | 15.12% | COMBUSTIBLE OR NONCOMBUSTIBLE | NONCOMBUSTIBLE | 1HR. F.R.R. |
| WEST WALL 148.64 m ² SETBACK = 9.90/2=4.95 m | 15.32% | 15.12% | COMBUSTIBLE OR NONCOMBUSTIBLE | NONCOMBUSTIBLE | 1HR. F.R.R. |

| Building Code Analysis (N.B.C. - 2015): 36 UNITS DORM | | | | | DESIGN OCCUPANT LOAD: |
|--|--|---|-------------------------------------|----------------------------------|---|
| MAJOR OCCUPANCY: GROUP C, RESIDENTIAL OCCUPANCIES,DIV. B, PART 9, ARTICLE 9.10.2.1 OTHER OCCUPANCIES: | | | | | 3.1.17.1 DWELLING UNITS 1 BEDROOM UNIT = 36 UNITS @ 1 PERSON PER SLEEPING ROOM = 36 PERSONS |
| DESCRIPTION: | ARTICLE: | PROVIDED: | | | 3.1.17.1 OTHER USES MECHANICAL & ELECTRICAL ROOM 13.76m ² @ 46m ² / PERSON = 1 PERSON |
| NUMBER OF STOREY(S): TOTAL BUILDING AREA: | - 1.3.3.3(1) - 3 STOREY MAXIMUM - 1.3.3.3(1) - 600m ² MAXIMUM | - 1 STOREY; FACING 1 STREET - 426.45m ² (4,590,25ft ²)< 600m ² | | | TOTAL DESIGN OCCUPANT LOAD = 37 PERSONS |
| -SPRINKLERED | -NON-SPRINKLERED | -NON-SPRINKLERED | | | 3.7.2.2 WATER CLOSET REQ'D: |
| FIRE SEPARATIONS: | RATINGS: | PROVIDED: | | | 3.7.2.2 (10) DWELLING UNIT AT LEAST 1 WC, REQ'D FOR EACH 10 PERSON OF EACH SEX. |
| BUILDING CONSTRUCTION: FLOOR ASSEMBLIES: ROOF ASSEMBLIES: LOAD BEARING WALLS: | - COMBUSTIBLE & N/C CONST. - 9.10.8.1 - 45MIN. FIRE RATED ASSEMBLY - 9.10.8.1 - NON-RATED - 9.10.8.3 - NOT < THAT REQ'D FOR THE SUPPORTED FLOOR OR ROOF ASSEMBLY | - COMBUSTIBLE & N/C CONST. - 1HR F.R.R. - | | | PROVIDED: - 22 WC, WITH 12 URINALS AT WASHROOM BLDG |
| DEMISING WALL: MECHANICAL ROOM: EXIT STAIR: STORAGE ROOMS: TWENTY-MINUTE CLOSURES | - 9.10.9.14(1) - 45MIN. FIRE RATED ASSEMBLY - 9.10.10.4 - NOT LESS THAN 1HR. FIRE RATING - 9.9.4.2 - 45MIN. FIRE RATED ASSEMBLY - 9.10.10.6 - NOT LESS 1HR FIRE RATING - 9.10.13.1(1) - NOT LESS THAN 20 MIN. F.R.R. | -1HR F.R.R. - 1HR F.R.R. - 1HR F.R.R. -1HR F.R.R. 20MIN. F.R.R. | | | NUMBER OF EXITS: |
| NOISE PROTECTION: | RATINGS: | PROVIDED: | | | 9.9.7.4(1) DWELLING UNITS |
| CORRIDOR: DEMISING WALL: | - 9.11.2.1 (1) - NOT LESS THAN STC 50 - 9.11.2.1 (1) - NOT LESS THAN STC 50 | - STC 50 -STC 50 | | | 2 EXITS REQ'D: 3 EXITS PROVIDED |
| SPATIAL SEPARATION & EXPOSURE PROTECTION: | | | | | LOCATION OF EXITS: |
| | | | | | 9.9.8.2(c) MAX. TRAVEL DISTANCE REQ'D = 30m |
| | | | | | ACTUAL TRAVEL DISTANCE = 20,16m |
| EXPOSING WALL PROJECT NORTH | TABLE 9.10.14.4.A | | TABLE 9.10.14.5.A | | |
| | % U/O PERMITTED | % U/O ACTUAL | TYPE OF CONSTRUCTION REQUIRED | TYPE OF CLADDING REQUIRED | MINIMUM F.R.R. |
| NORTH WALL 22.29 m ² SETBACK = 6.09/2=3.04 m | 26.11% | 8.75% | COMBUSTIBLE OR NONCOMBUSTIBLE | NONCOMBUSTIBLE | 45MIN. F.R.R. |
| SOUTH WALL 22.29 m ² ATTACHED TO CORRIDOR | N/A | N/A | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE | 1HR. F.R.R. |
| EAST WALL 111,11 m ² SETBACK = 9.90/2=4.95 m | 15.0% | 15.0% | COMBUSTIBLE OR NONCOMBUSTIBLE | NONCOMBUSTIBLE | 1HR. F.R.R. |
| WEST WALL 111,11 m ² SETBACK = 9.70/2=4.85 m | 15.0% | 15.0% | COMBUSTIBLE OR NONCOMBUSTIBLE | NONCOMBUSTIBLE | 1HR. F.R.R. |

| Building Code Analysis (N.B.C. - 2015): 22 UNITS W.C.'S | | | | DESIGN OCCUPANT LOAD: | |
|--|--|---|-------------------------------------|--|---------------|
| MAJOR OCCUPANCY: GROUP C, RESIDENTIAL OCCUPANCIES.DIV. B, PART 9, ARTICLE 9.10.2.1 OTHER OCCUPANCIES: | | | | 3.1.17.1 DWELLING UNITS 1 W.C.'S UNIT = 22 UNITS @ 1 PERSON PER W.C. = 22 PERSONS | |
| DESCRIPTION: | ARTICLE: | PROVIDED: | | | |
| NUMBER OF STOREY(S): TOTAL BUILDING AREA: | - 1.3.3.3(1) - 3 STOREY MAXIMUM - 1.3.3.3(1) - 600m ² MAXIMUM | - 1 STOREY; FACING 1 STREET - 141,96m ² (1,526,04ft ²)< 600m ² | | | |
| -SPRINKLERED | -NON-SPRINKLERED | -NON-SPRINKLERED | | | |
| FIRE SEPARATIONS: | RATINGS: | PROVIDED: | | | |
| BUILDING CONSTRUCTION: FLOOR ASSEMBLIES: ROOF ASSEMBLIES: LOAD BEARING WALLS: | - COMBUSTIBLE & N/C CONST. - 9.10.8.1 - 45MIN. FIRE RATED ASSEMBLY - 9.10.8.1 - NON-RATED - 9.10.8.3 - NOT < THAT REQ'D FOR THE SUPPORTED FLOOR OR ROOF ASSEMBLY | - COMBUSTIBLE & N/C CONST. - 1HR F.R.R. - | | | |
| DEMISING WALL: MECHANICAL ROOM: EXIT STAIR: STORAGE ROOMS: TWENTY-MINUTE CLOSURES | - 9.10.9.14(1) - 45MIN. FIRE RATED ASSEMBLY - 9.10.10.4 - NOT LESS THAN 1HR. FIRE RATING - 9.9.4.2 - 45MIN. FIRE RATED ASSEMBLY - 9.10.10.6 - NOT LESS 1HR FIRE RATING - 9.10.13.1(1) - NOT LESS THAN 20 MIN. F.R.R. | -1HR F.R.R. - 1HR F.R.R. - 1HR F.R.R. -1HR F.R.R. 20MIN. F.R.R. | | | |
| NOISE PROTECTION: | RATINGS: | PROVIDED: | | | |
| CORRIDOR: | - 9.11.2.1 (1) - NOT LESS THAN STC 50 | - STC 50 | | | |
| SPATIAL SEPARATION & EXPOSURE PROTECTION: | | | | | |
| EXPOSING WALL PROJECT NORTH | TABLE 9.10.14.4.A | | TABLE 9.10.14.5.A | | |
| | % U/O PERMITTED | % U/O ACTUAL | TYPE OF CONSTRUCTION REQUIRED | TYPE OF CLADDING REQUIRED | |
| NORTH WALL 22.05 m ² ATTACHED TO CORRIDOR | N/A | N/A | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE | 1HR. F.R.R. |
| SOUTH WALL 22.05 m ² SETBACK =22.53 m | 100% | 0% | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE | N/A |
| EAST WALL 38.28 m ² SETBACK = 28.78/2=14.39 m | 100% | 0% | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE | N/A |
| WEST WALL 38.28 m ² SETBACK = 11.43/2=5.71 m | 66.60% | 0% | COMBUSTIBLE OR NONCOMBUSTIBLE | NONCOMBUSTIBLE | 45MIN. F.R.R. |

| Building Code Analysis (N.B.C. - 2015): 13 UNITS W.C.'S | | | | | DESIGN OCCUPANT LOAD: |
|--|--|---|-------------------------------------|----------------------------------|--|
| MAJOR OCCUPANCY: GROUP C, RESIDENTIAL OCCUPANCIES.DIV. B, PART 9, ARTICLE 9.10.2.1 OTHER OCCUPANCIES: | | | | | 3.1.17.1 DWELLING UNITS 1 W.C.'S UNIT = 13 UNITS @ 1 PERSON PER W.C. = 13 PERSONS |
| DESCRIPTION: | ARTICLE: | PROVIDED: | | | TOTAL DESIGN OCCUPANT LOAD = 13 PERSONS |
| NUMBER OF STOREY(S): TOTAL BUILDING AREA: | - 1.3.3.3(1) - 3 STOREY MAXIMUM - 1.3.3.3(1) - 600m ² MAXIMUM | - 1 STOREY; FACING 1 STREET - 132.89m ² (1,430,49ft ²)< 600m ² | | | |
| -SPRINKLERED | -NON-SPRINKLERED | -NON-SPRINKLERED | | | |
| FIRE SEPARATIONS: | RATINGS: | PROVIDED: | | | NUMBER OF EXITS: |
| BUILDING CONSTRUCTION: FLOOR ASSEMBLIES: ROOF ASSEMBLIES: LOAD BEARING WALLS: | - COMBUSTIBLE & N/C CONST. - 9.10.8.1 - 45MIN. FIRE RATED ASSEMBLY - 9.10.8.1 - NON-RATED - 9.10.8.3 - NOT < THAT REQ'D FOR THE SUPPORTED FLOOR OR ROOF ASSEMBLY | - COMBUSTIBLE & N/C CONST. - 1HR F.R.R. - | | | 9.9.7.4(1) DWELLING UNITS |
| DEMISING WALL: MECHANICAL ROOM: EXIT STAIR: STORAGE ROOMS: TWENTY-MINUTE CLOSURES | - 9.10.9.14(1) - 45MIN. FIRE RATED ASSEMBLY - 9.10.10.4 - NOT LESS THAN 1HR. FIRE RATING - 9.9.4.2 - 45MIN. FIRE RATED ASSEMBLY - 9.10.10.6 - NOT LESS 1HR FIRE RATING - 9.10.13.1(1) - NOT LESS THAN 20 MIN. F.R.R. | -1HR F.R.R. - 1HR F.R.R. - 1HR F.R.R. -1HR F.R.R. 20MIN. F.R.R. | | | 2 EXITS REQ'D: 2 EXITS PROVIDED |
| NOISE PROTECTION: | RATINGS: | PROVIDED: | | | LOCATION OF EXITS: |
| CORRIDOR: | - 9.11.2.1 (1) - NOT LESS THAN STC 50 | - STC 50 | | | 9.9.8.2(c) MAX. TRAVEL DISTANCE REQ'D = 30m |
| | | | | | ACTUAL TRAVEL DISTANCE = 24,36m |
| SPATIAL SEPARATION & EXPOSURE PROTECTION: | | | | | |
| EXPOSING WALL PROJECT NORTH | TABLE 9.10.14.4.A | | TABLE 9.10.14.5.A | | |
| | % U/O PERMITTED | % U/O ACTUAL | TYPE OF CONSTRUCTION REQUIRED | TYPE OF CLADDING REQUIRED | MINIMUM F.R.R. |
| NORTH WALL 20.38 m ² ATTACHED TO CORRIDOR | N/A | N/A | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE | 1HR. F.R.R. |
| SOUTH WALL 20.38 m ² SETBACK =22.63 m | 100% | 0% | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE | N/A |
| EAST WALL 39.76 m ² SETBACK = 29.44/2=14.72 m | 100% | 0% | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE | N/A |
| WEST WALL 38.27 m ² SETBACK = 28.78/2=14.39 m | 100% | 0% | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE | N/A |

HATCHY

Doc Number

E335

Date Received

Review

☐ C1 - Proceed to next submission

☐ C2 - Proceed with next submission

☐ C3 - Do not proceed resident.

Next Submittal Date:

☒ No further submittals required.
☐ Certified File

Package Engineer: Na

Reviewed only for general conformance or requested that the file be complete. The sole responsibility for submitting the drawing is

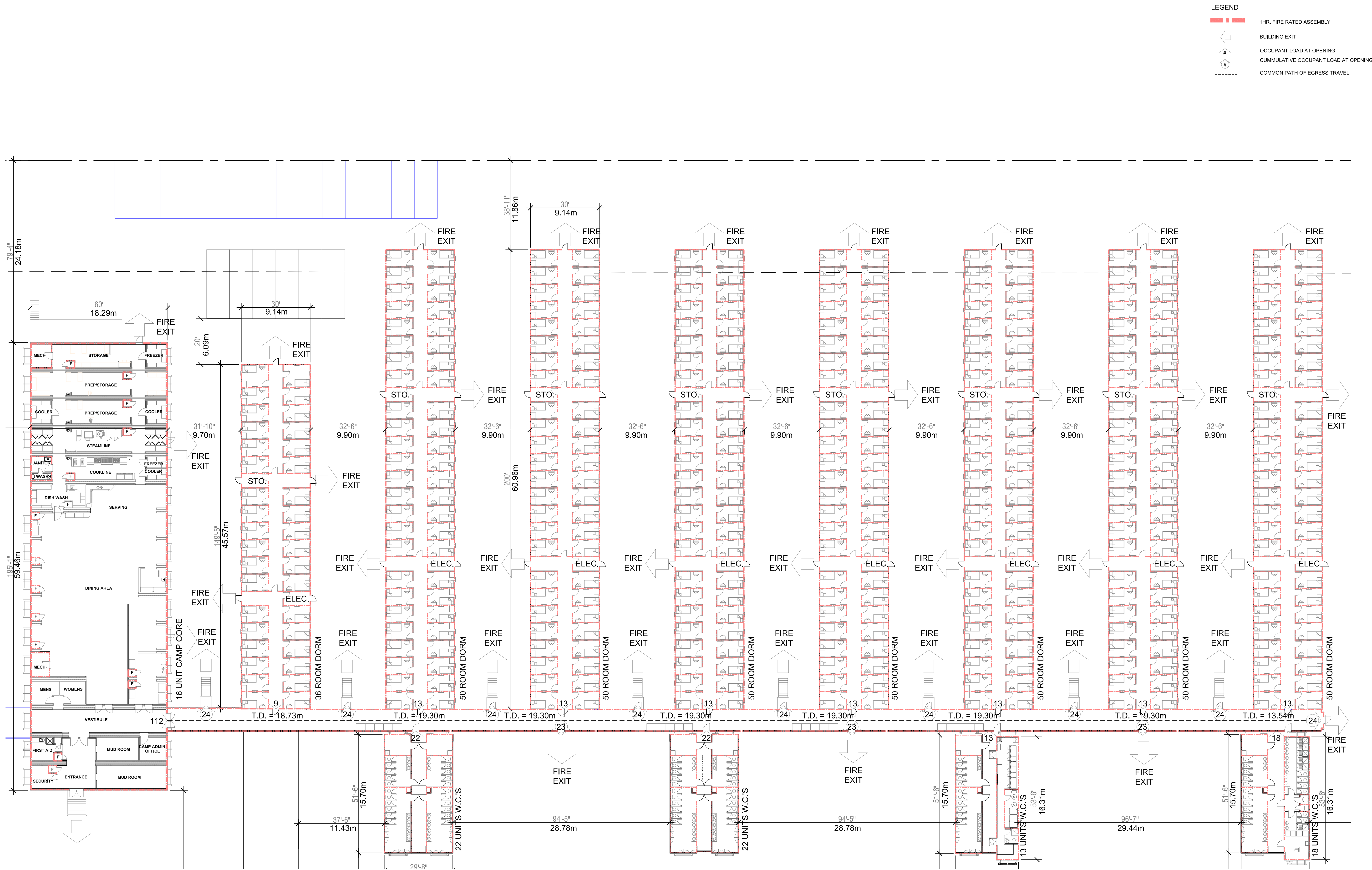
Sheet

Sheet 1 of 4

| Building Code Analysis (N.B.C. - 2015): 18 UNITS W.C.'S | | | | DESIGN OCCUPANT LOAD: |
|--|--|---|-------------------------------------|--|
| MAJOR OCCUPANCY: GROUP C, RESIDENTIAL OCCUPANCIES.DIV. B, PART 9, ARTICLE 9.10.2.1 OTHER OCCUPANCIES: | | | | 3.1.17.1 DWELLING UNITS 1 W.C.'S UNIT = 18 UNITS @ 1 PERSON PER W.C. = 18 PERSONS |
| DESCRIPTION: | ARTICLE: | PROVIDED: | | |
| NUMBER OF STOREY(S): TOTAL BUILDING AREA: | - 1.3.3.3(1) - 3 STOREY MAXIMUM - 1.3.3.3(1) - 600m ² MAXIMUM | - 1 STOREY; FACING 1 STREET - 143.39m ² (1,543,41ft ²)< 600m ² | | |
| -SPRINKLERED | -NON-SPRINKLERED | -NON-SPRINKLERED | | |
| FIRE SEPARATIONS: | RATINGS: | PROVIDED: | | |
| BUILDING CONSTRUCTION: FLOOR ASSEMBLIES: ROOF ASSEMBLIES: LOAD BEARING WALLS: | - COMBUSTIBLE & N/C CONST. - 9.10.8.1 - 45MIN. FIRE RATED ASSEMBLY - 9.10.8.1 - NON-RATED - 9.10.8.3 - NOT < THAT REQ'D FOR THE SUPPORTED FLOOR OR ROOF ASSEMBLY | - COMBUSTIBLE & N/C CONST. - 1HR F.R.R. - | | |
| DEMISING WALL: MECHANICAL ROOM: EXIT STAIR: STORAGE ROOMS: TWENTY-MINUTE CLOSURES | - 9.10.9.14(1) - 45MIN. FIRE RATED ASSEMBLY - 9.10.10.4 - NOT LESS THAN 1HR. FIRE RATING - 9.9.4.2 - 45MIN. FIRE RATED ASSEMBLY - 9.10.10.6 - NOT LESS 1HR FIRE RATING - 9.10.13.1(1) - NOT LESS THAN 20 MIN. F.R.R. | -1HR F.R.R. - 1HR F.R.R. - 1HR F.R.R. -1HR F.R.R. 20MIN. F.R.R. | | |
| NOISE PROTECTION: | RATINGS: | PROVIDED: | | |
| CORRIDOR: | - 9.11.2.1 (1) - NOT LESS THAN STC 50 | - STC 50 | | |
| SPATIAL SEPARATION & EXPOSURE PROTECTION: | | | | |
| EXPOSING WALL PROJECT NORTH | TABLE 9.10.14.4.A | | TABLE 9.10.14.5.A | |
| | % U/O PERMITTED | % U/O ACTUAL | TYPE OF CONSTRUCTION REQUIRED | TYPE OF CLADDING REQUIRED |
| NORTH WALL 22.05 m ² ATTACHED TO CORRIDOR | N/A | N/A | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE |
| SOUTH WALL 22.05 m ² SETBACK =22.68 m | 100% | 0% | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE |
| EAST WALL 39.76 m ² SETBACK = 76.96 m | 100% | 0.65% | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE |
| WEST WALL 38.27 m ² SETBACK = 29.44/2=14.72 m | 100% | 0% | COMBUSTIBLE OR NONCOMBUSTIBLE | COMBUSTIBLE OR NONCOMBUSTIBLE |



DesignWorks</



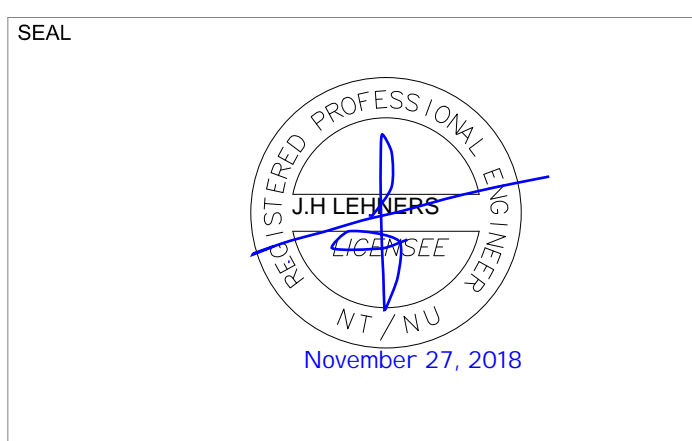
- LEGEND**
- 1HR. FIRE RATED ASSEMBLY
 - BUILDING EXIT
 - OCCUPANT LOAD AT OPENING
 - CUMULATIVE OCCUPANT LOAD AT OPENING
 - COMMON PATH OF EGRESS TRAVEL

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| No. | Description | Date |
|-----|----------------------------|------------|
| 1. | ISSUED FOR BUILDING PERMIT | 2018-11-27 |
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CONTRACTOR



CLIENT

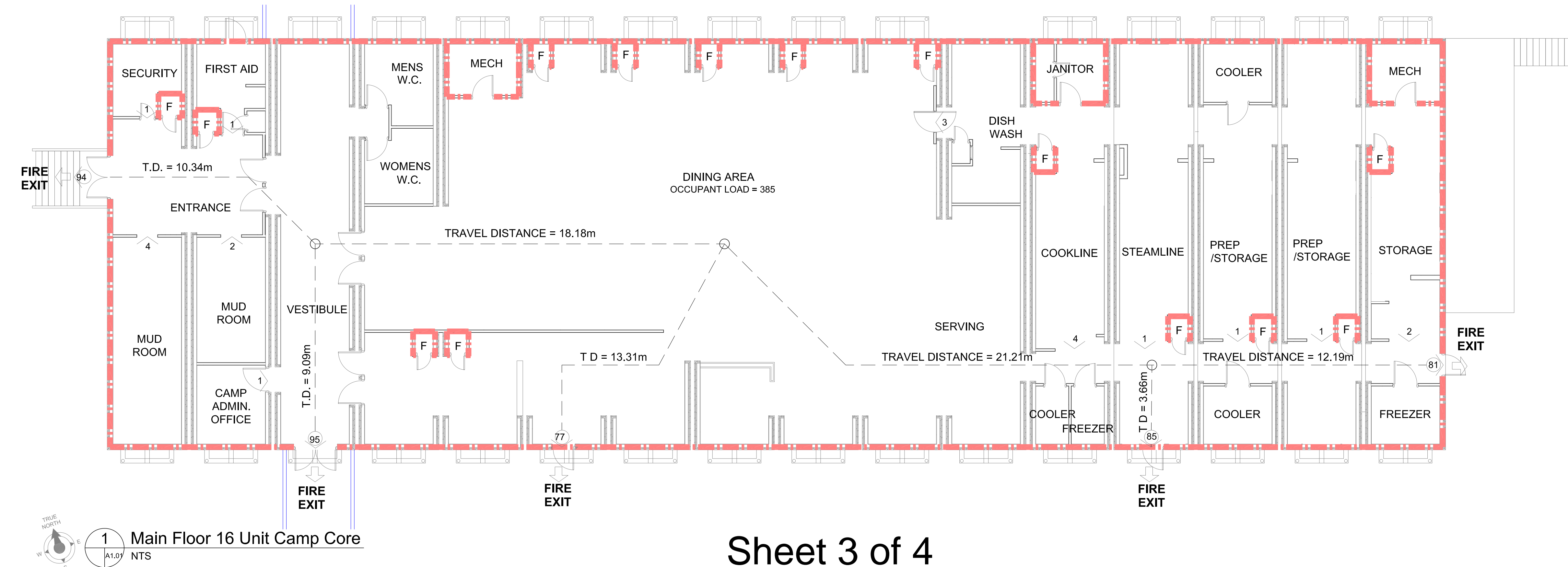
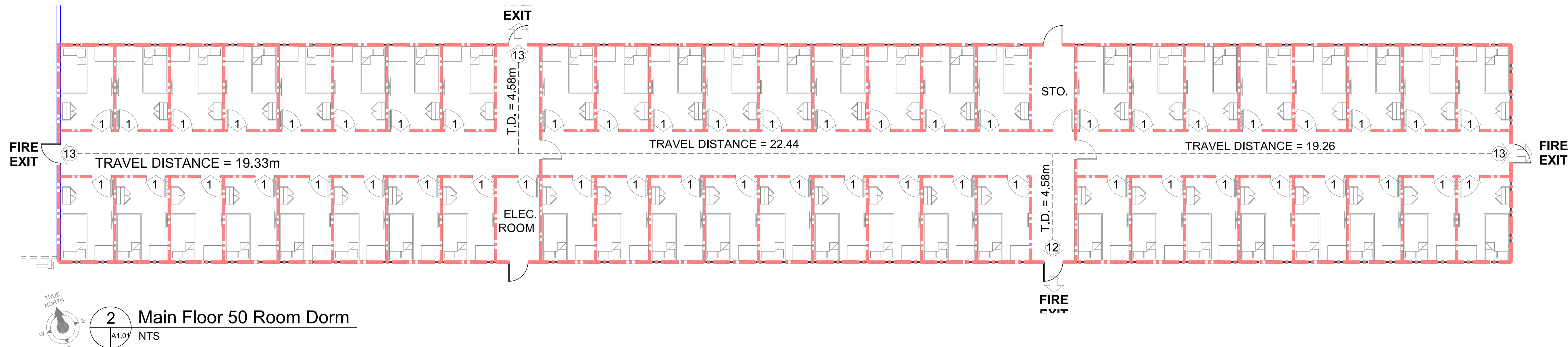
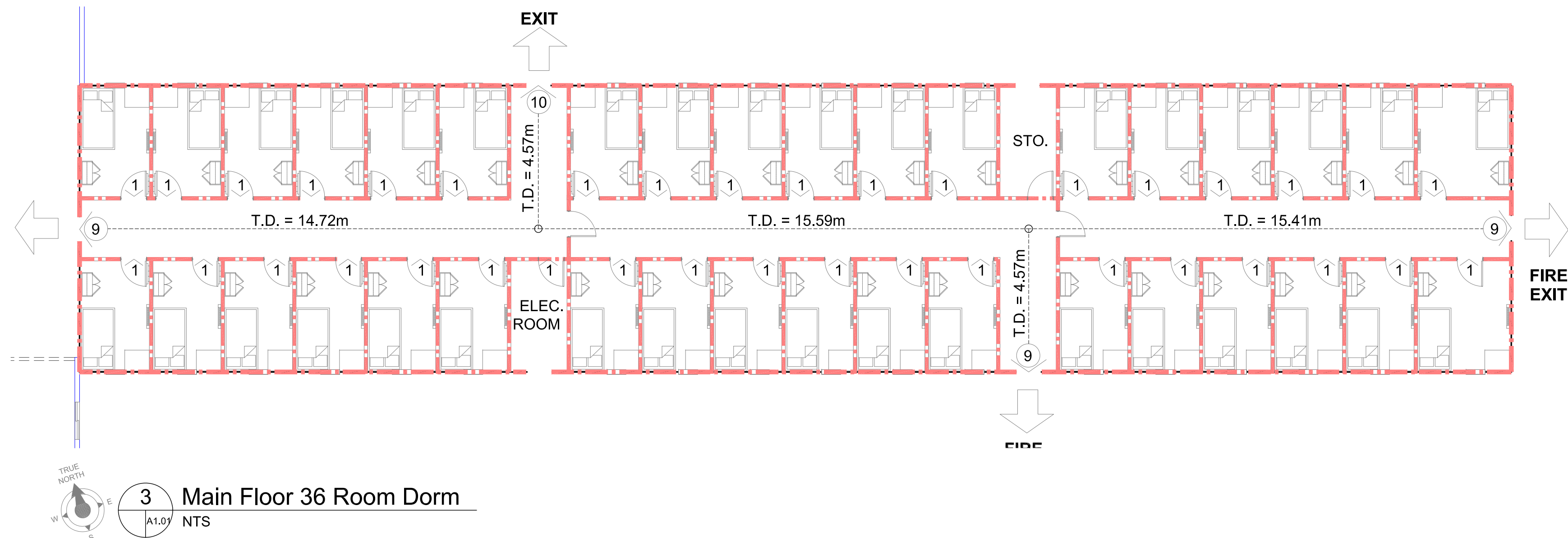
Horizon North

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|-------------------|-----------------------|
| DRAWN BY: | JC |
| CHECKED BY: | C.M. VALIENTE |
| ENGINEER: | JOHN LEHNERT, P. ENG. |
| PROJECT No.: | 170109 |
| SHEET ISSUE DATE: | NOVEMBER 27, 2018 |
| PROJECT STATUS: | FOR BUILDING PERMIT |

PROJECT

Baffinland Iron Mines

| |
|--------------------------------|
| DESCRIPTION |
| Code Compliance Summary |
| DRAWING NO. |
| A1.01 |
| SHEET |
| 2 |
| 4 |



LEGEND

| | |
|--|-------------------------------------|
| | 1HR. FIRE RATED ASSEMBLY |
| | BUILDING EXIT |
| | OCCUPANT LOAD AT OPENING |
| | CUMULATIVE OCCUPANT LOAD AT OPENING |
| | COMMON PATH OF EGRESS TRAVEL |

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| No. | Description | Date |
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CONTRACTOR

SEAL

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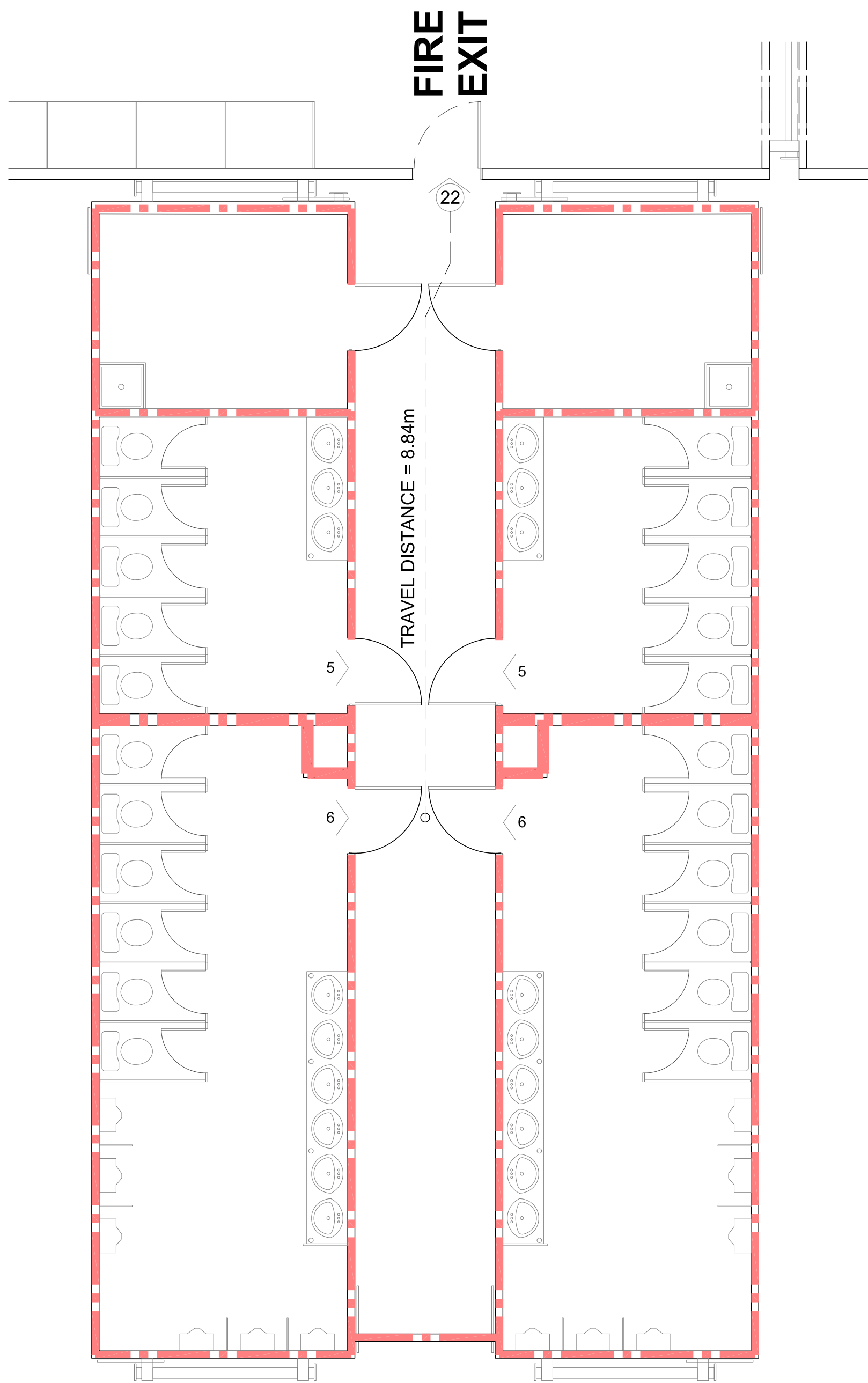
Horizon North

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|-------------------|-----------------------|
| DRAWN BY: | JC/MD/MS |
| CHECKED BY: | C.M. VALIENTE |
| ENGINEER: | JOHN LEHNERT, P. ENG. |
| PROJECT No.: | 170109 |
| SHEET ISSUE DATE: | NOVEMBER 27, 2018 |
| PROJECT STATUS: | FOR BUILDING PERMIT |

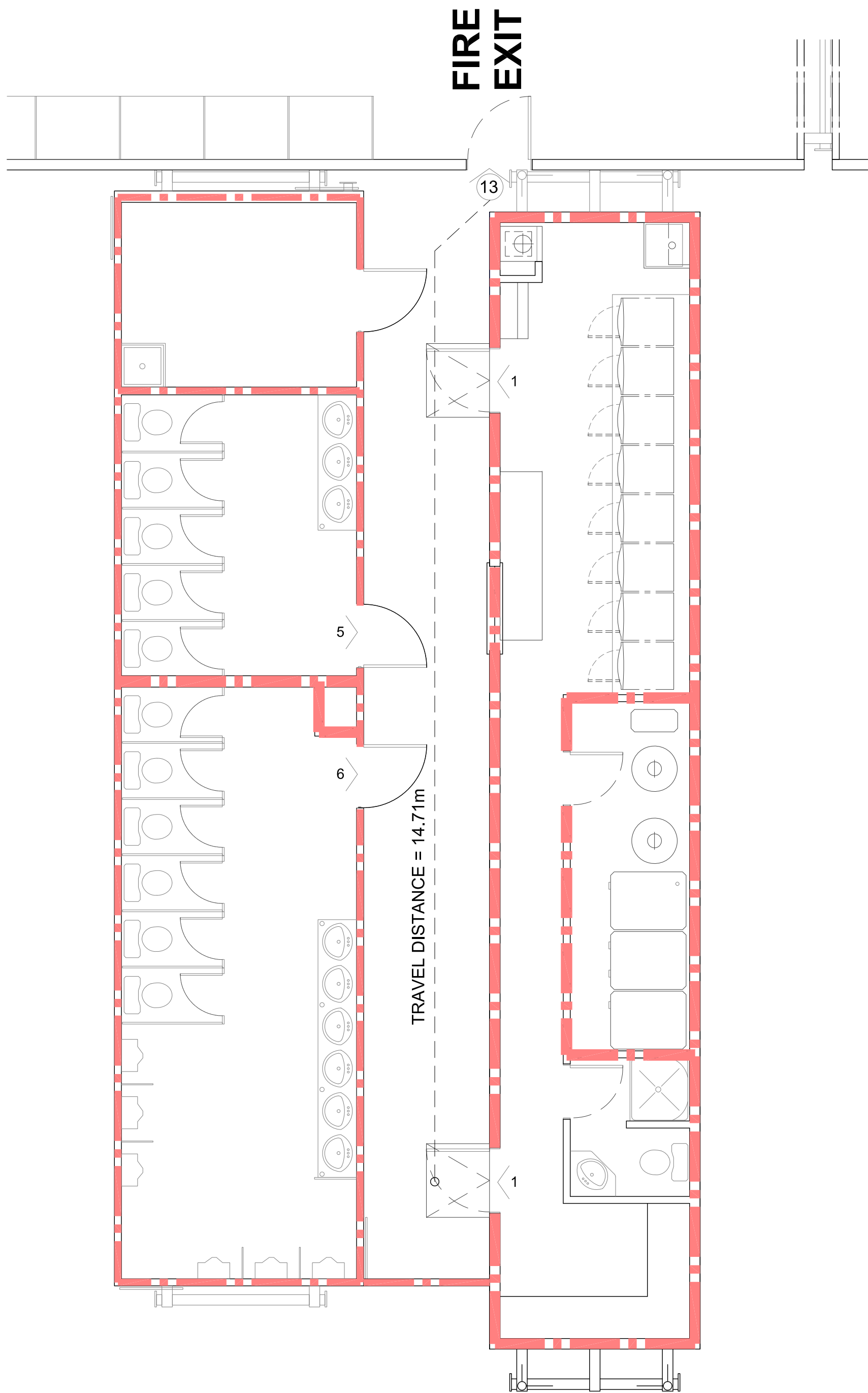
PROJECT

Baffinland Iron Mines

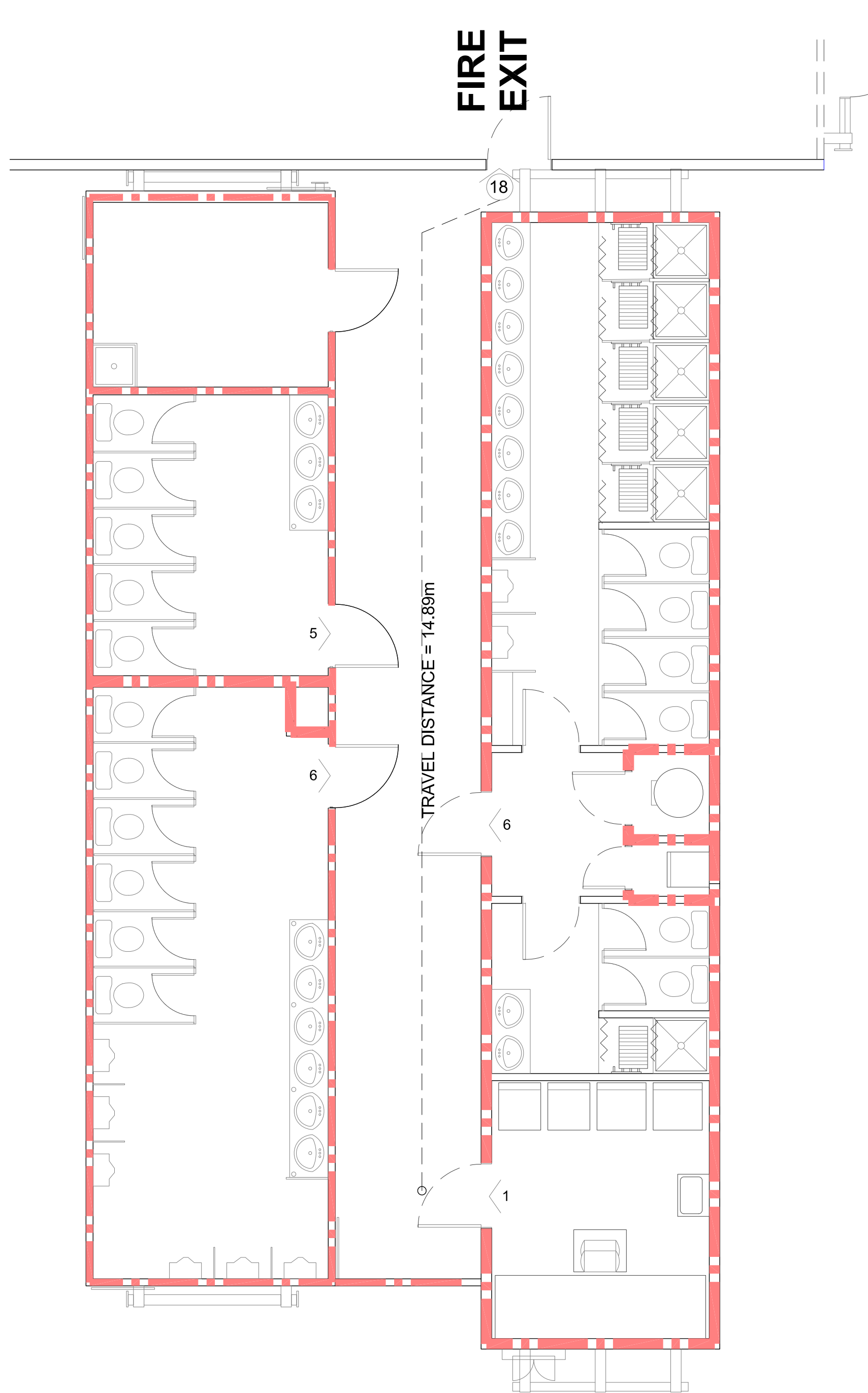
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|--------------------------------|----------|
| DESCRIPTION | |
| Code Compliance Summary | |
| DRAWING NO. | SHEET |
| A1.02 | 3 |
| | 4 |



1 Main Floor 22 Units Washroom
NTS



2 Main Floor 13 Units Washroom
NTS



3 Main Floor 18 Units Washroom
NTS

LEGEND

- 1HR. FIRE RATED ASSEMBLY
- BUILDING EXIT
- OCCUPANT LOAD AT OPENING
- CUMULATIVE OCCUPANT LOAD AT OPENING
- COMMON PATH OF EGRESS TRAVEL

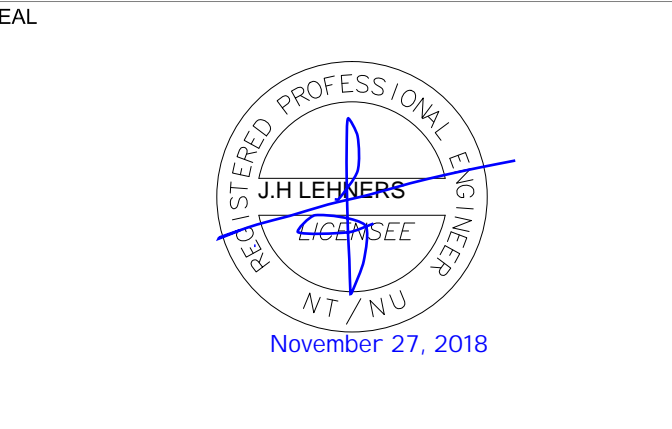
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| No. | Description | Date |
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| 1. | ISSUED FOR BUILDING PERMIT | 2018-11-27 |
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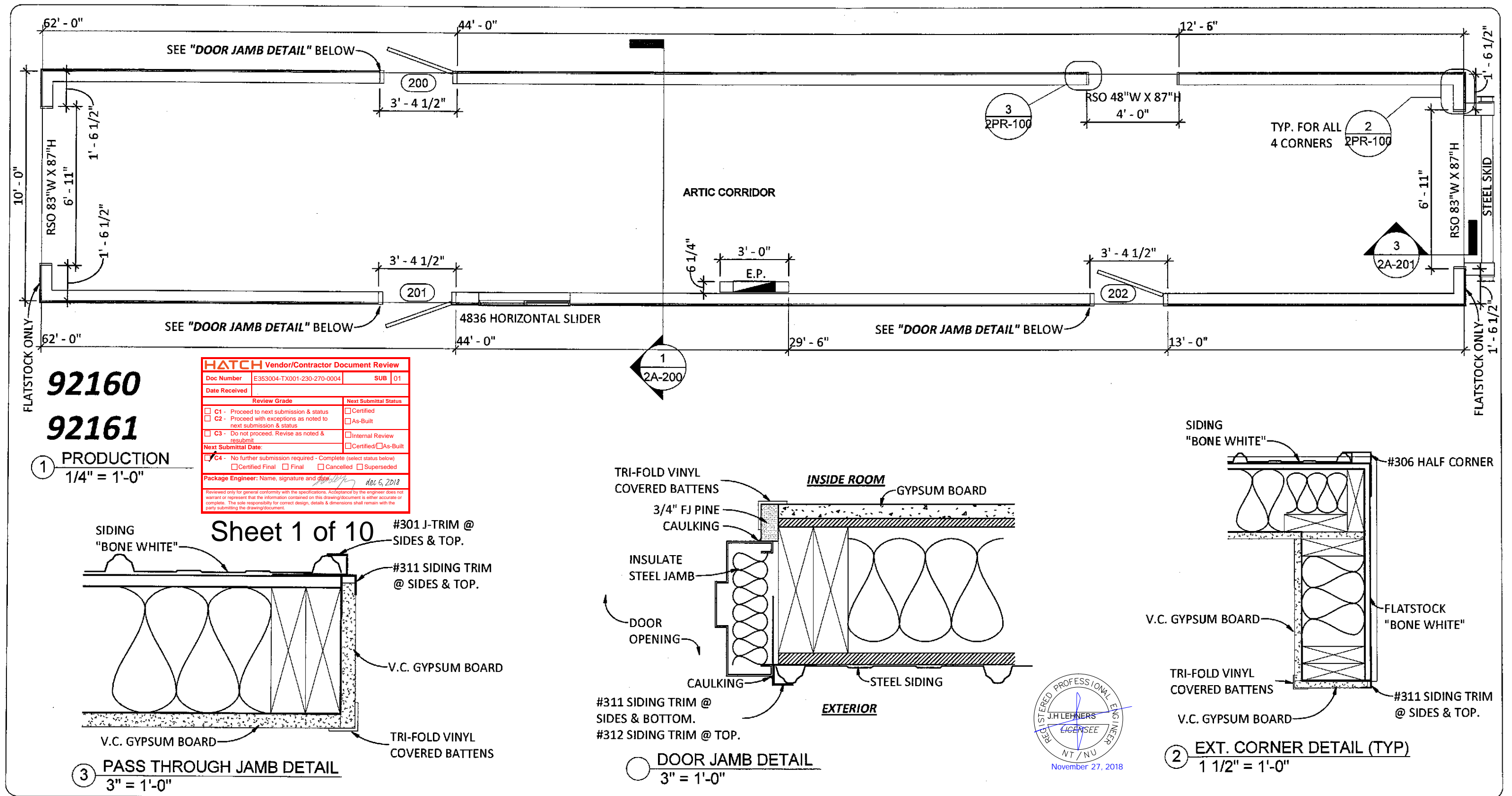
Horizon North


| | |
|-------------------|-----------------------|
| DRAWN BY: | JC/MD/MS |
| CHECKED BY: | C.M. VALIENTE |
| ENGINEER: | JOHN LEHNERT, P. ENG. |
| PROJECT No.: | 170109 |
| SHEET ISSUE DATE: | NOVEMBER 27, 2018 |
| PROJECT STATUS: | FOR BUILDING PERMIT |

PROJECT

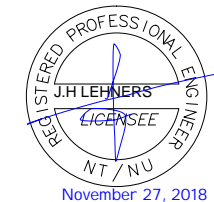
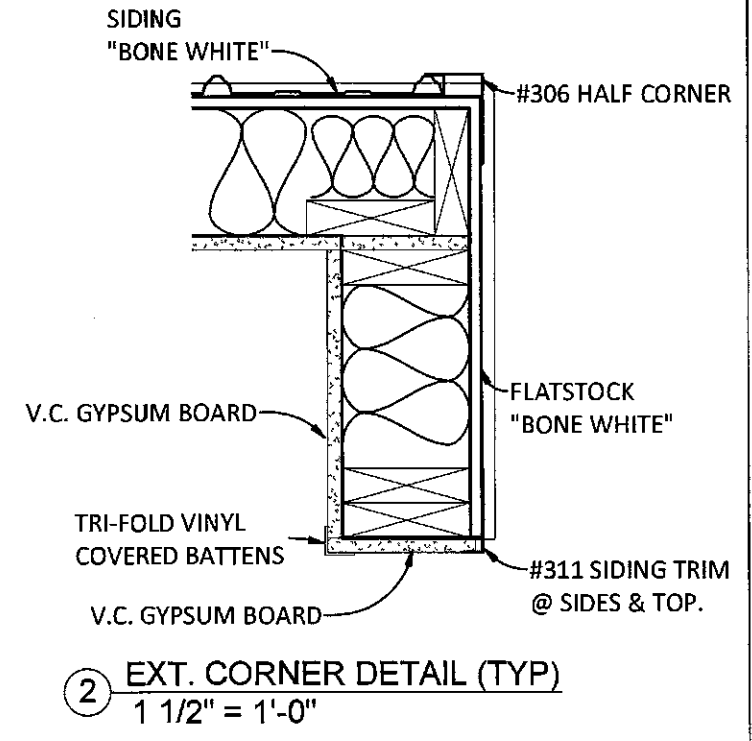
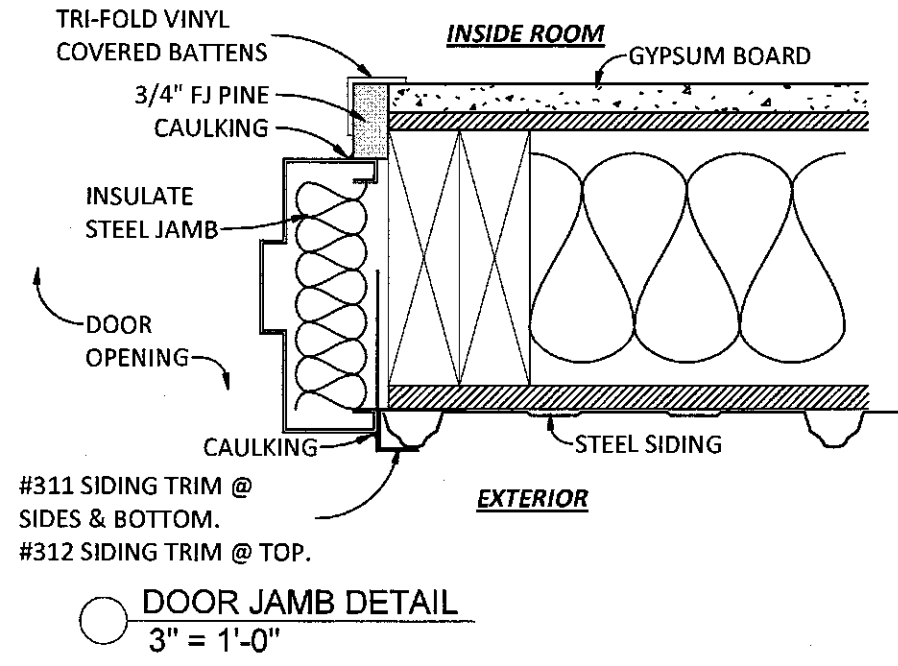
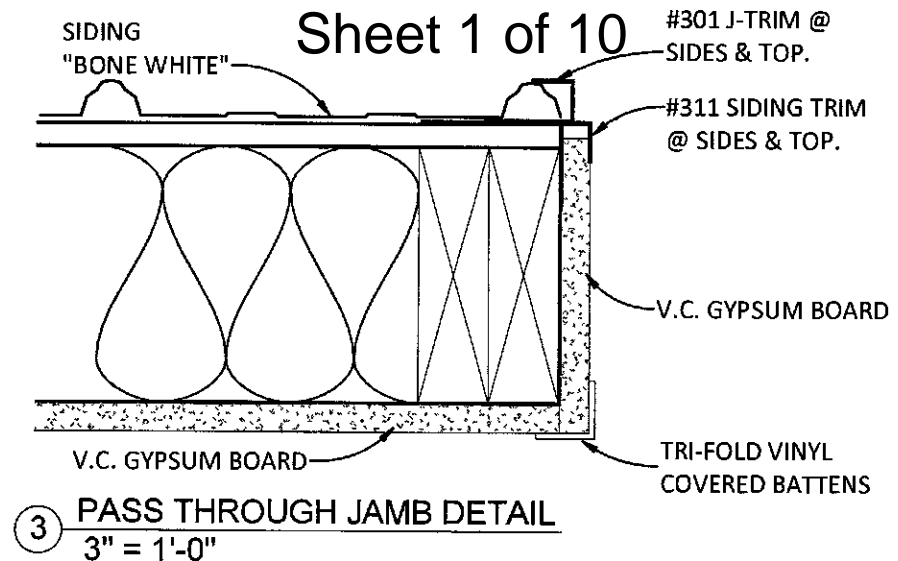
Baffinland Iron Mines

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| DESCRIPTION | |
| Code Compliance Summary | |
| DRAWING NO. | SHEET |
| A1.03 | 4 |
| | 4 |



| HATCH Vendor/Contractor Document Review | | |
|--|--------------------------------|--|
| Doc Number | E353004-TX001-230-270-0004 | SUB 01 |
| Date Received | | |
| Review Grade | | Next Submittal Status |
| <input type="checkbox"/> C1 - Proceed to next submission & status | | <input type="checkbox"/> Certified |
| <input type="checkbox"/> C2 - Proceed with exceptions as noted to next submission & status | | <input type="checkbox"/> As-Built |
| <input type="checkbox"/> C3 - Do not proceed. Revise as noted & resubmit | | <input type="checkbox"/> Internal Review |
| Next Submittal Date: | | <input type="checkbox"/> Certified/ <input type="checkbox"/> As-Built |
| <input checked="" type="checkbox"/> C4 - No further submission required - Complete (select status below) | | |
| <input type="checkbox"/> Certified Final | <input type="checkbox"/> Final | <input type="checkbox"/> Cancelled <input type="checkbox"/> Superseded |
| Package Engineer: Name, signature and date:  dec 6, 2018 | | |
| Reviewed only for general conformity with the specifications. Acceptance by the engineer does not warrant or represent that the information contained on this drawing/document is either accurate or complete. The sole responsibility for correct design, details & dimensions shall remain with the party submitting the drawing/document. | | |

92160
92161
① PRODUCTION
1/4" = 1'-0"



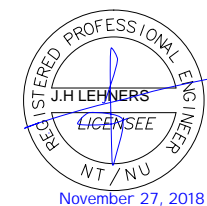
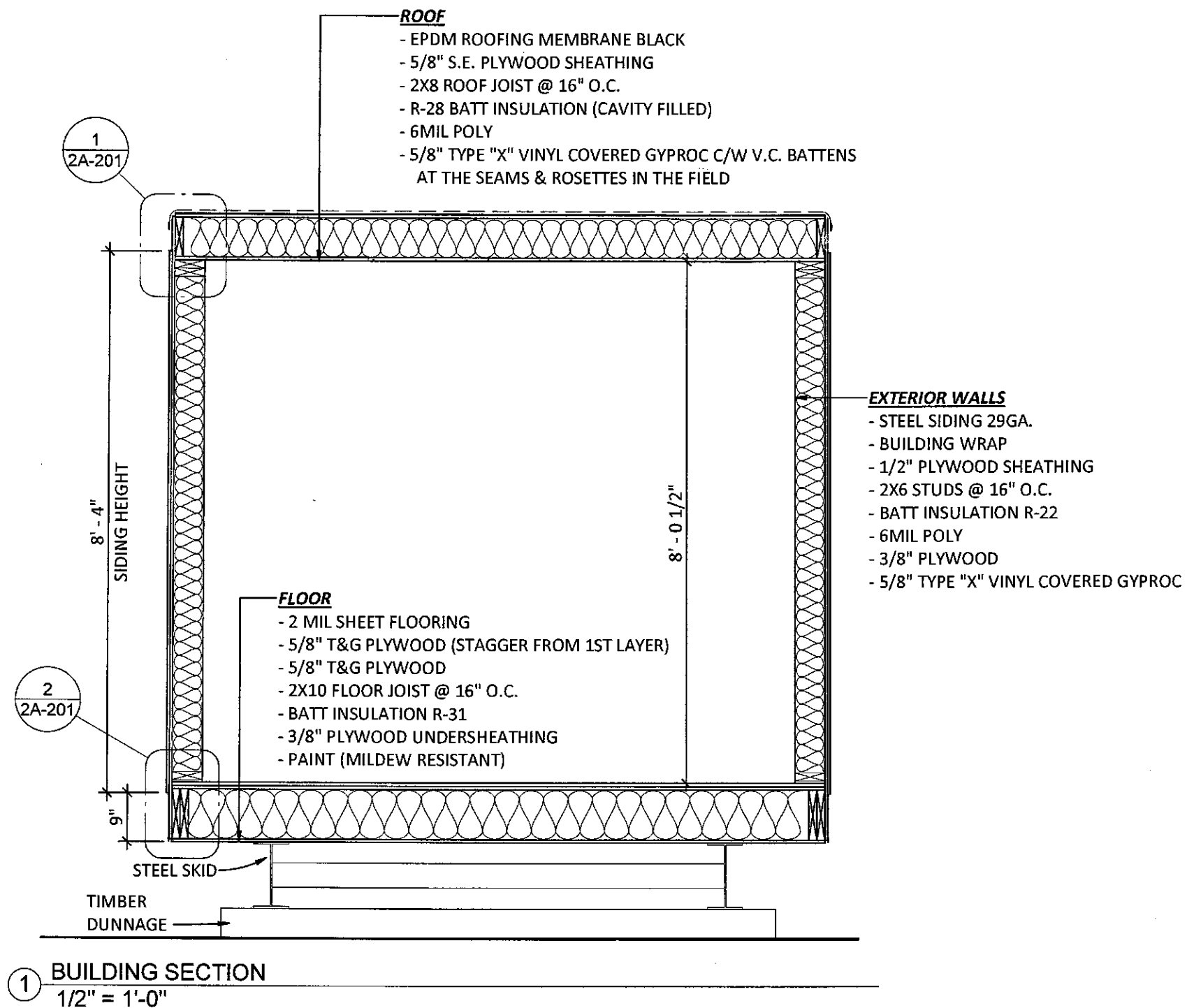
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BOUCTOUCHE, NB FAX.: (506) 743-2660
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DRAWN BY: AL
CHK BY: PM
DATE: 06/21/18
SCALE: As indicated
PROJECT NO: 92160-92161
TYPE: 10'-0" X 62'-0"

TITLE: **BAFFIN ISLAND**
ARCTIC CORRIDOR
LINE LAYOUT
HORIZON NORTH
SHEET NO.: **2PR-100**



Sheet 2 of 10

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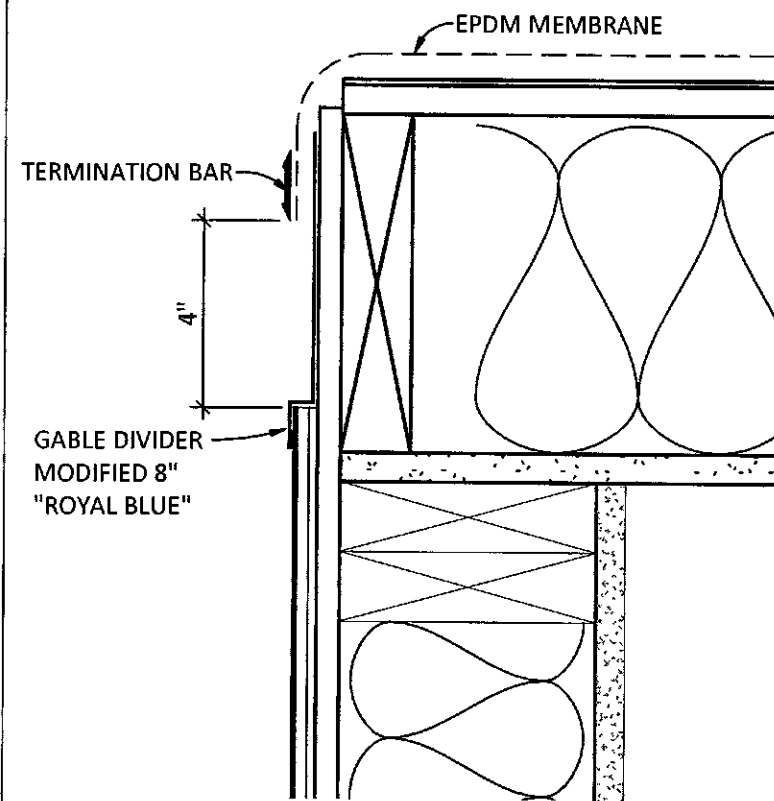
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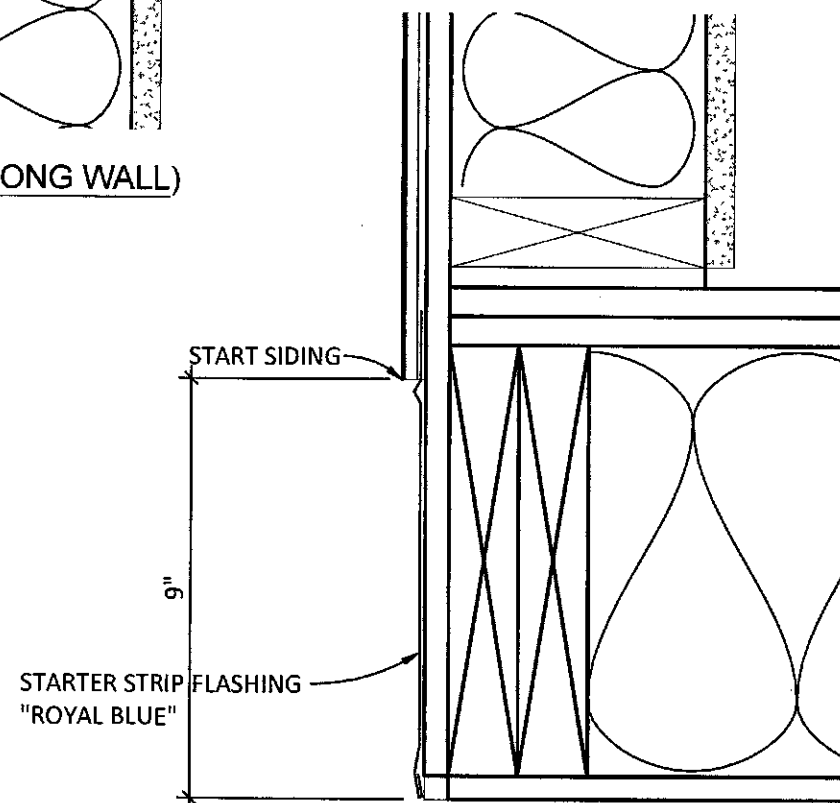
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| DRAWN BY: | AL |
| CHK BY: | PM |
| DATE: | 06/21/18 |
| SCALE: | 1/2" = 1'-0" |
| PROJECT NO: | 92160-92161 |
| TYPE: | 10'-0" X 62'-0" |

TITLE: **BAFFIN ISLAND
ARCTIC CORRIDOR
CROSS SECTION
HORIZON NORTH**

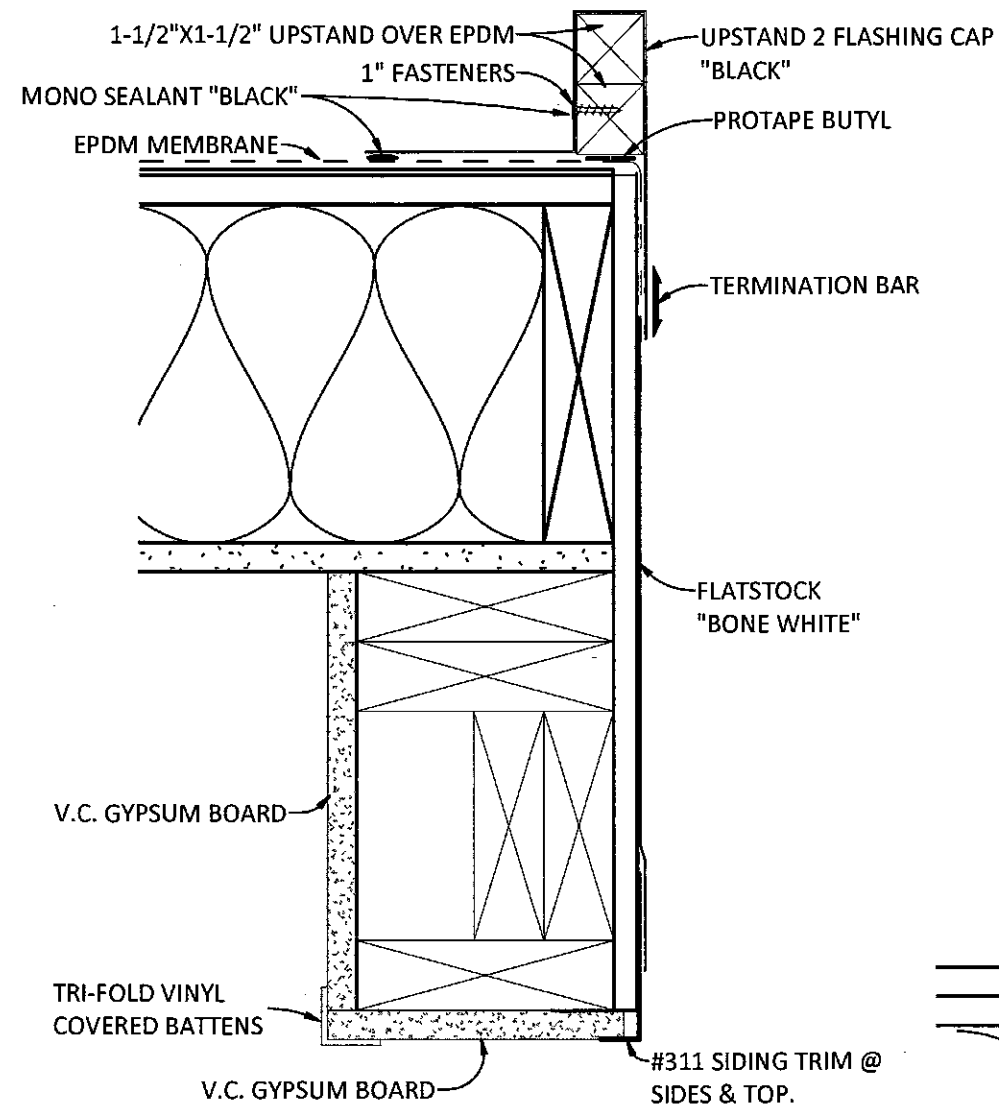
SHEET NO.: **2A-200**



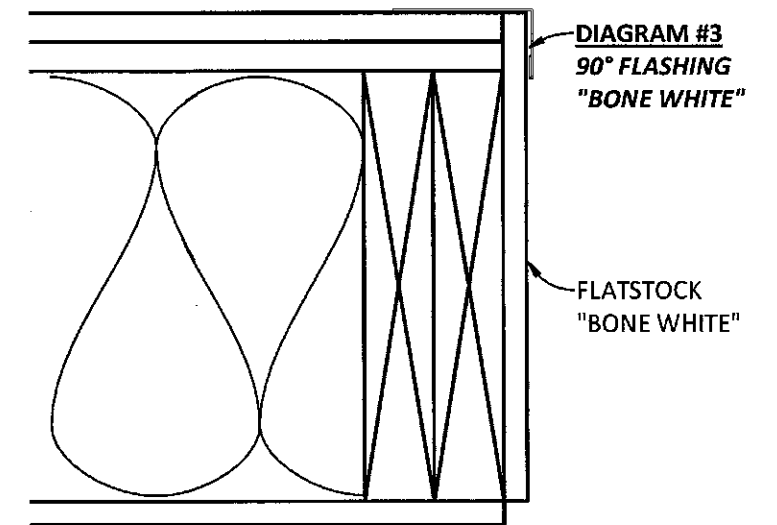
① TOP SECTION (LONG WALL)
3" = 1'-0"



② BOTTOM SECTION (LONG WALL)
3" = 1'-0"



③ TOP SECTION (GABLE END)
3" = 1'-0"



③ BOTTOM SECTION (GABLE END)
3" = 1'-0"



Sheet 3 of 10

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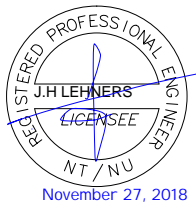
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| DRAWN BY: | AL |
| CHK BY: | PM |
| DATE: | 06/21/18 |
| SCALE: | 3" = 1'-0" |
| PROJECT NO: | 92160-92161 |
| TYPE: | 10'-0" X 62'-0" |

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|------------|--|
| TITLE: | BAFFIN ISLAND ARCTIC CORRIDOR SECTION DETAILS HORIZON NORTH |
| SHEET NO.: | 2A-201 |

FINISH SCHEDULE

| ITEM | MATERIAL | MAKE & MODEL | COLOR |
|-----------------------------------|-----------------------------|--------------------|---|
| FLOORS | | | |
| FLOORING | 2.0mm SHEET FLOORING | POLYFLOR XL PU | FOSSIL 3710 |
| BASEBOARD | 4" RUBBER BASEBOARD | JOHNSONITE | #48 GREY |
| WALLS & CEILINGS | | | |
| WALL FINISH EXTERIOR | STEEL SIDING 29 ga. | IDEAL - AMERI-CANA | BONE WHITE (MAIN BUILDING) ROYAL BLUE (TOP & BOTTOM) |
| WALL FINISH INTERIOR | 5/8" VINYL COVERED GYPROC | | LINEN GREY 669 |
| WALL BATTENS | 5/16"X1-3/16" VINYL COVERED | | LINEN GREY 669 |
| WALLS (WASHROOMS) | NRP PREGLUED ON 5/8" GYPROC | | WHITE |
| CEILING FINISH | 5/8" VINYL COVERED GYPROC | | ADOBE WHITE |
| CEILING TRIMS | BATTENS & ROSETTES | | WHITE |
| DOORS & WINDOWS | | | |
| EXT DOORS & FRAMES | METAL DOOR & FRAME | | SALT & PEPPER 6182-42 |
| INT DOORS & FRAMES | METAL DOOR & FRAME | | SALT & PEPPER 6182-42 |
| WINDOW CASING | PVC COLONIAL | | GREY |
| WINDOW BUILD-UP | PINE 1X6 | | WHITE |
| CABINETS & COUNTERTOPS | | | |
| CABINET | MELAMINE BOX | GLENWOOD | GREY WOLF |
| CABINET DOORS | SHAKER OAK | GLENWOOD | GREY WOLF |
| CABINET HANDLES | BP505195 | RICHELIEU | BRUSHED NICKEL |
| COUNTERTOP | POST FORMED | BELANGER | 4954-22 ITALIAN WHITE PESCO |



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A better way to build

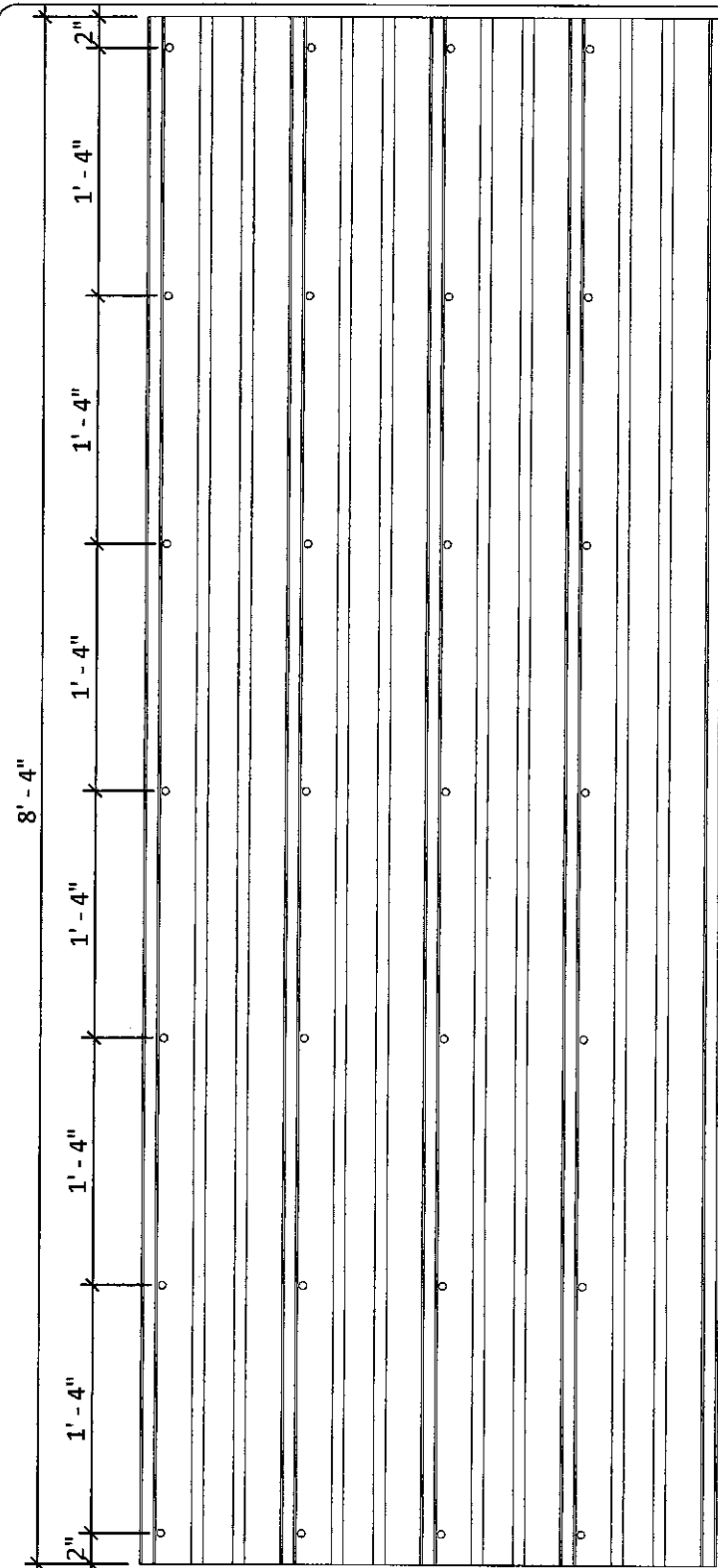
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| DRAWN BY: | AL |
| CHK BY: | PM |
| DATE: | 06/21/18 |
| SCALE: | 1/4" = 1'-0" |
| PROJECT NO: | 92160-92161 |
| TYPE: | 10'-0" X 62'-0" |

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|------------|--|
| TITLE: | BAFFIN ISLAND ARCTIC CORRIDOR FINISH SCHEDULE HORIZON NORTH |
| SHEET NO.: | 2DT-100 |



SIDING SCREWING PATTERN

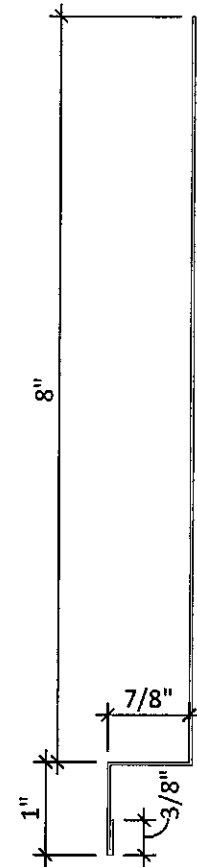
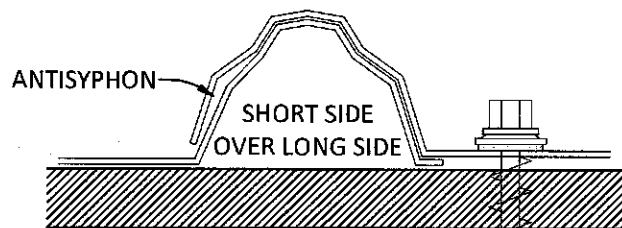


DIAGRAM #1
GABLE DIVIDER MODIFIED 8"
"ROYAL BLUE"
"BONE WHITE"



SIDING INSTALL
12" = 1'-0"

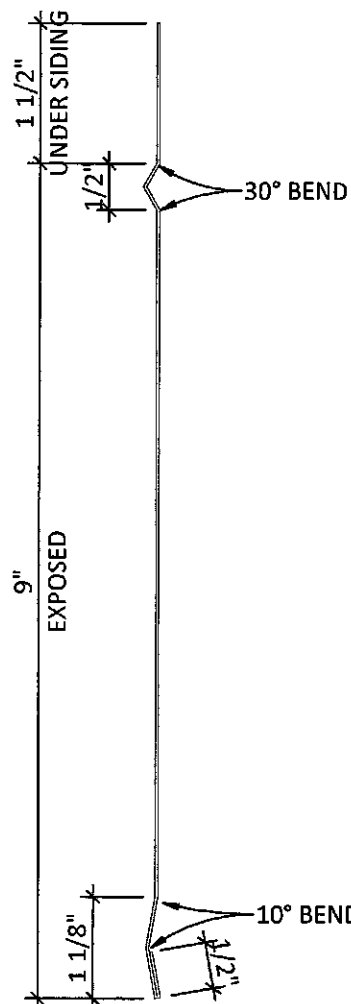


DIAGRAM #2
STARTER STRIP FLASHING
"ROYAL BLUE"

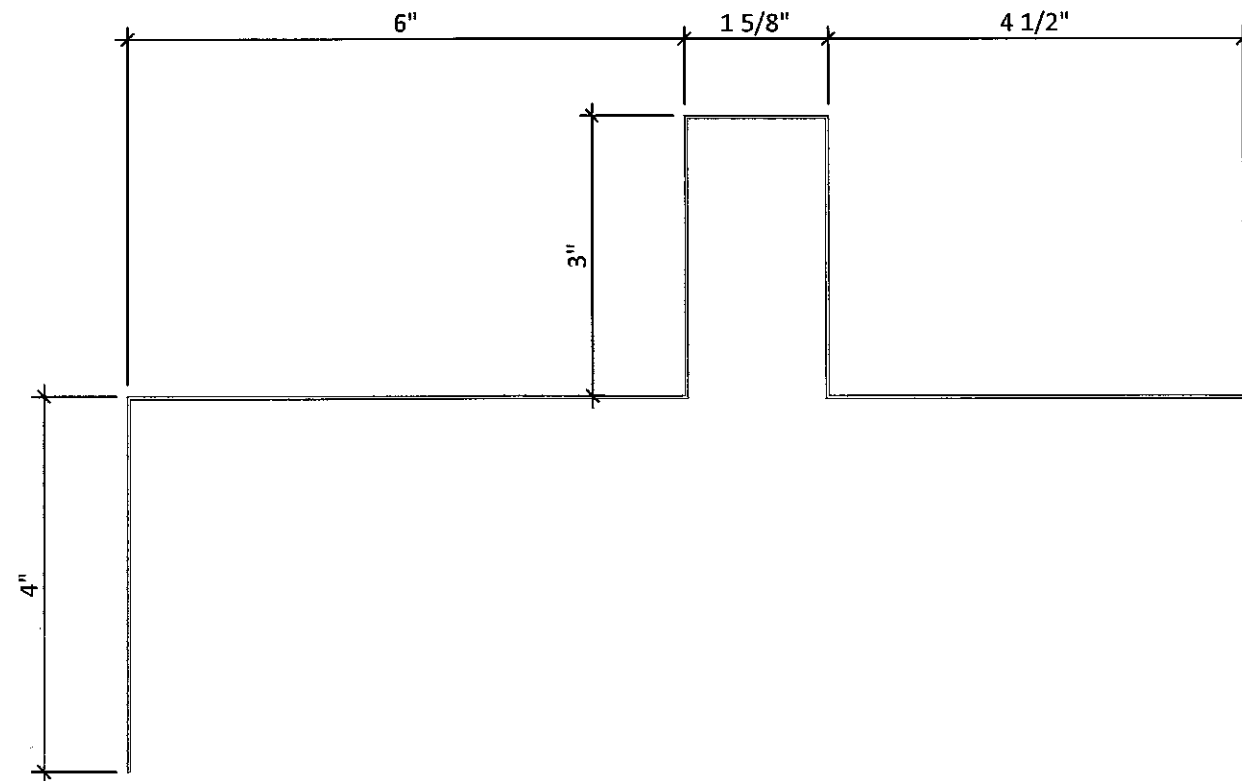


DIAGRAM #4
UPSTAND 1 FLASHING CAP
"BLACK"

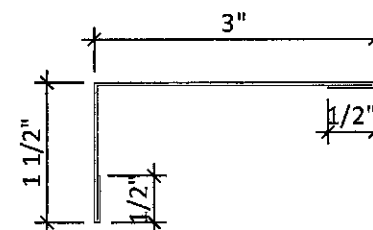


DIAGRAM #3
90° FLASHING
"BONE WHITE"

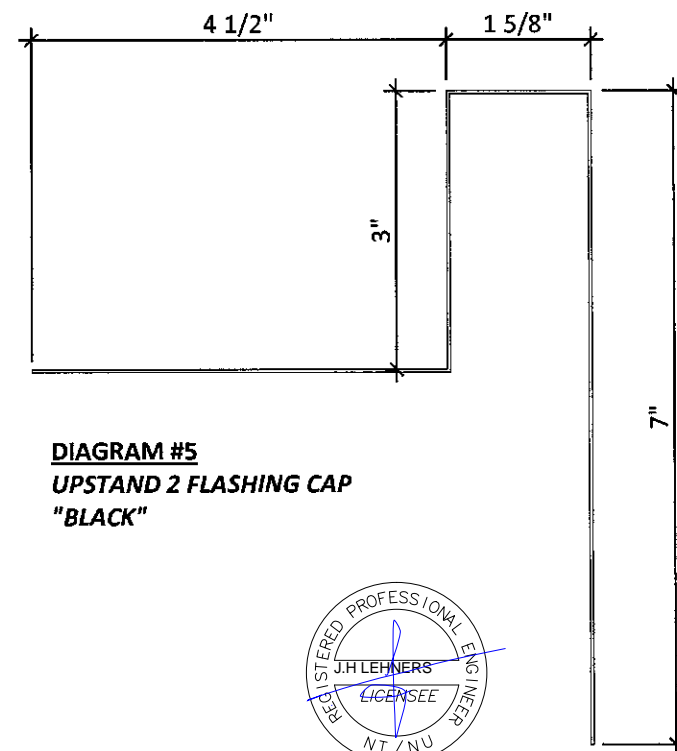


DIAGRAM #5
UPSTAND 2 FLASHING CAP
"BLACK"



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A better way to build

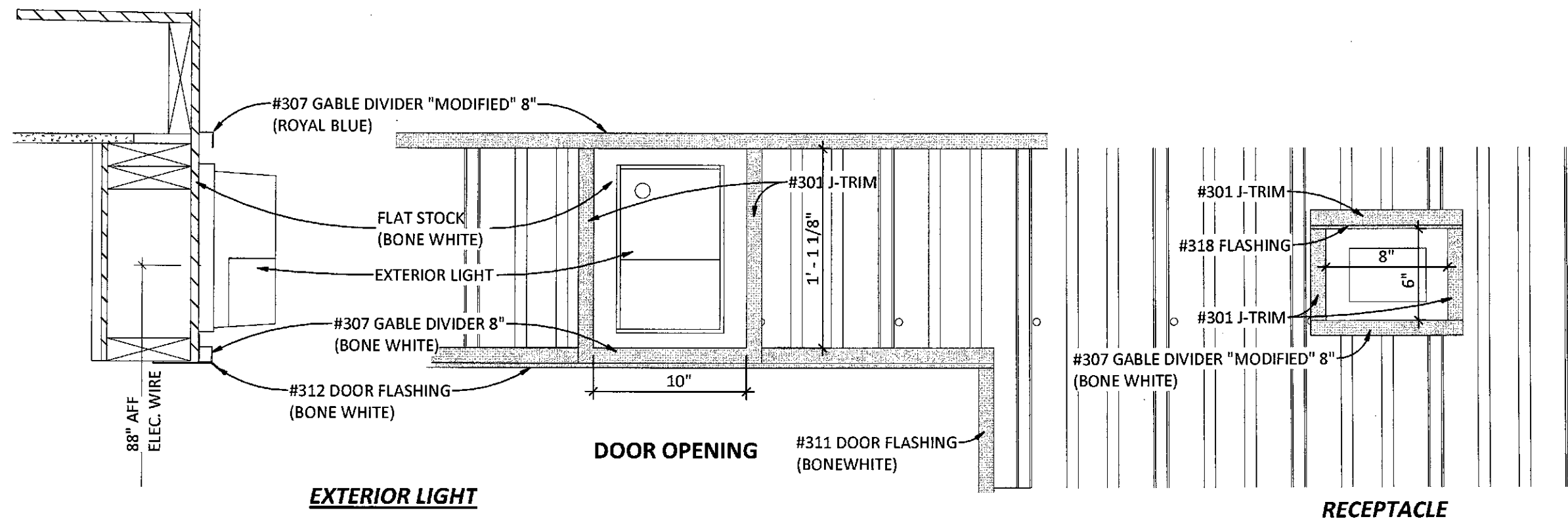
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| DRAWN BY: | AL |
| CHK BY: | Checker |
| DATE: | 06/21/18 |
| SCALE: | As indicated |
| PROJECT NO: | 92160-92161 |
| TYPE: | 10'-0" X 62'-0" |

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|------------|--|
| TITLE: | BAFFIN ISLAND ARCTIC CORRIDOR SIDING TRIM HORIZON NORTH |
| SHEET NO.: | 2DT-101 |



○ SIDING DETAILS
1 1/2" = 1'-0"

Sheet 6 of 10



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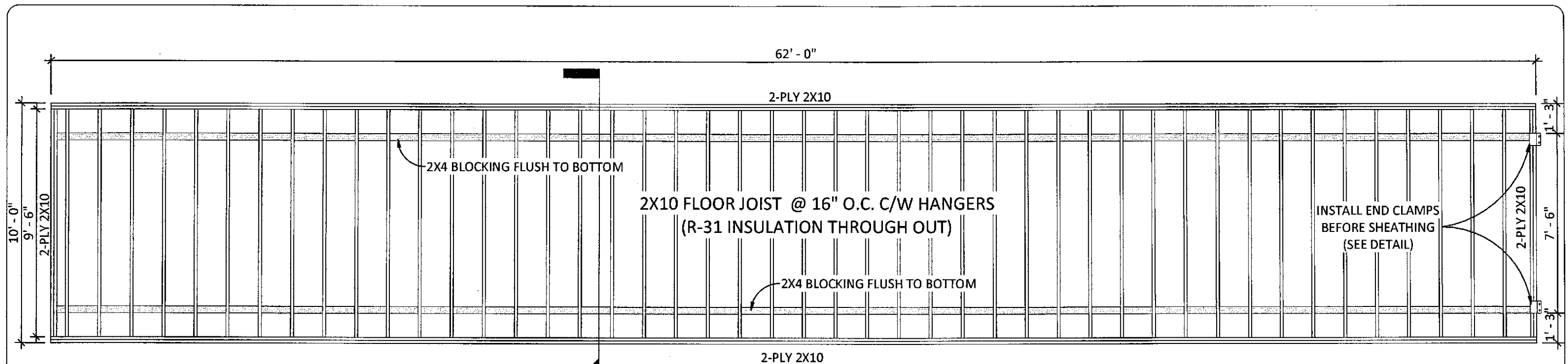
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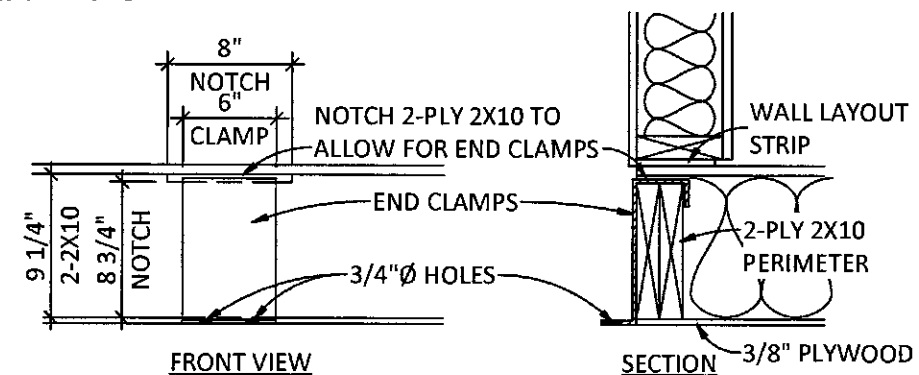
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| DRAWN BY: | AL |
| CHK BY: | PM |
| DATE: | 06/21/18 |
| SCALE: | 1 1/2" = 1'-0" |
| PROJECT NO: | 92160-92161 |
| TYPE: | 10'-0" X 62'-0" |

| | |
|------------|---|
| TITLE: | BAFFIN ISLAND ARCTIC CORRIDOR SIDING DETAILS HORIZON NORTH |
| SHEET NO.: | 2DT-102 |



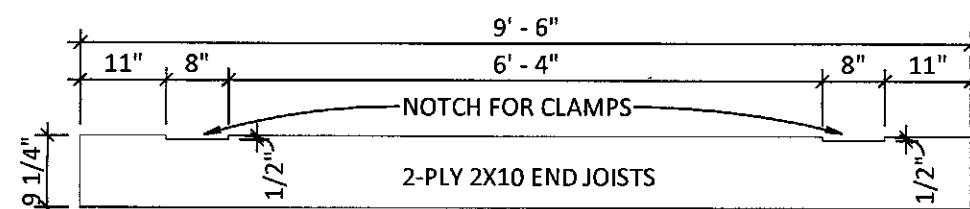
1 FLOOR FRAMING
1/4" = 1'-0"



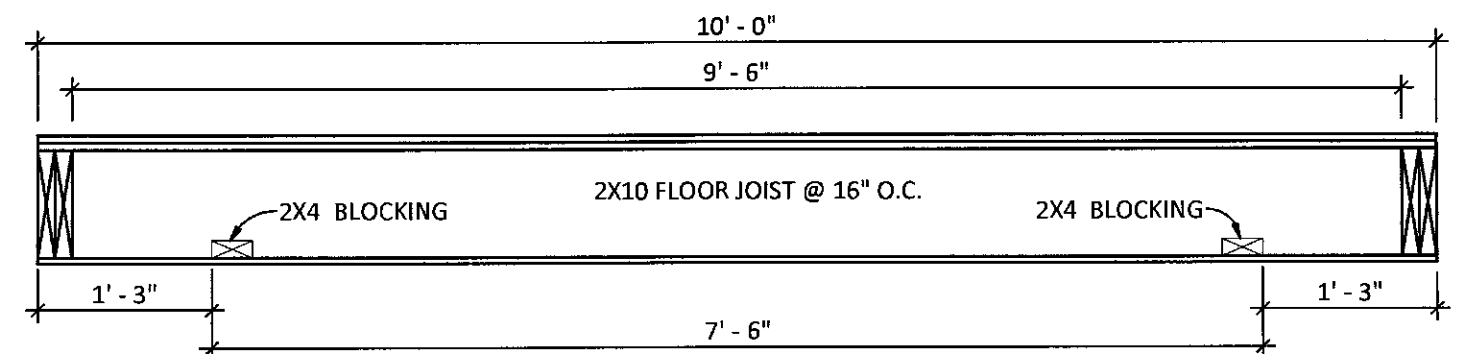
FLOOR JOIST CUT LIST (PER BUILDING)

| QTY | TYPE | LENGTH |
|-----|------|--|
| 48 | 2X10 | 9'-6" |
| 2 | 2X10 | 9'-6" (SEE "JOIST SECTION CLAMP" DETAIL) |
| 90 | 2X4 | 1'-2 3/8" |
| 2 | 2X4 | 1'-0 1/4" |
| 2 | 2X4 | 4 1/4" |

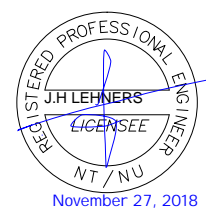
END CLAMP DETAIL
1" = 1'-0"



JOIST SECTION - CLAMP
1/2" = 1'-0"



2 FLOOR SECTION
3/4" = 1'-0"



Sheet 7 of 10

Kent Commercial

A better way to build

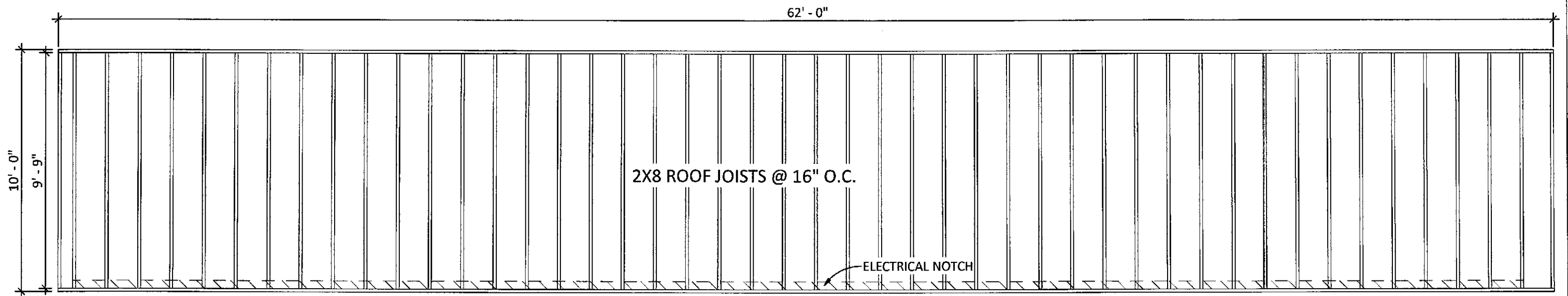
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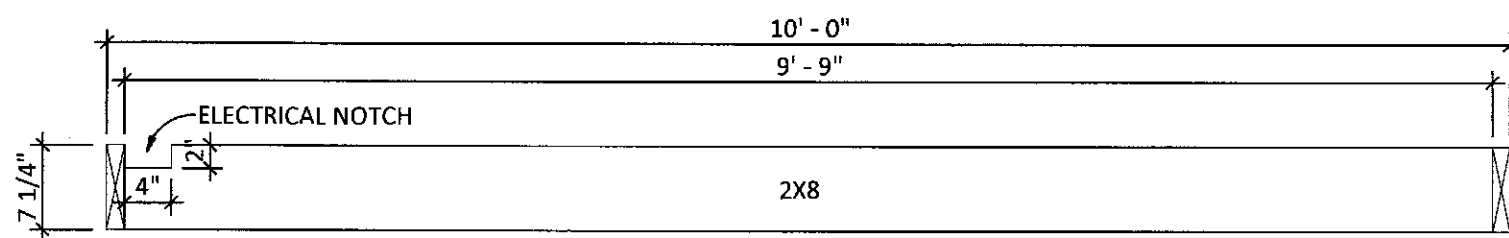
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| DRAWN BY: | AL |
| CHK BY: | PM |
| DATE: | 06/21/18 |
| SCALE: | As indicated |
| PROJECT NO: | 92160-92161 |
| TYPE: | 10'-0" X 62'-0" |

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| TITLE: | BAFFIN ISLAND ARCTIC CORRIDOR FLOOR FRAMING HORIZON NORTH |
| SHEET NO.: | 2FF-100 |



② ROOF FRAMING
1/4" = 1'-0"



○ ROOF SECTION
3/4" = 1'-0"

ROOF JOIST CUT LIST (PER BUILDING)

| QTY | TYPE | LENGTH |
|-----|------|-------------------------------|
| 22 | 2X8 | 9'-9" (WITH ELECTRICAL NOTCH) |



Sheet 8 of 10

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A better way to build

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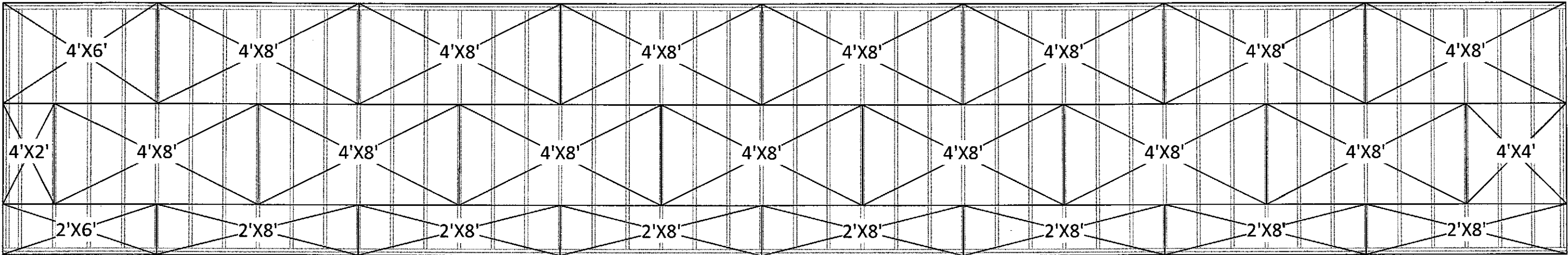
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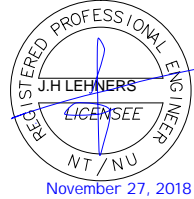
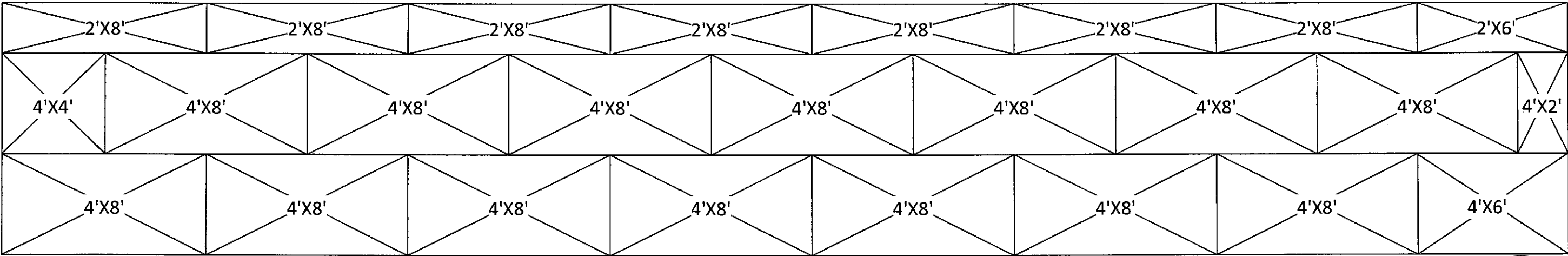
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| DRAWN BY: | AL |
| CHK BY: | PM |
| DATE: | 06/21/18 |
| SCALE: | As indicated |
| PROJECT NO: | 92160-92161 |
| TYPE: | 10'-0" X 62'-0" |

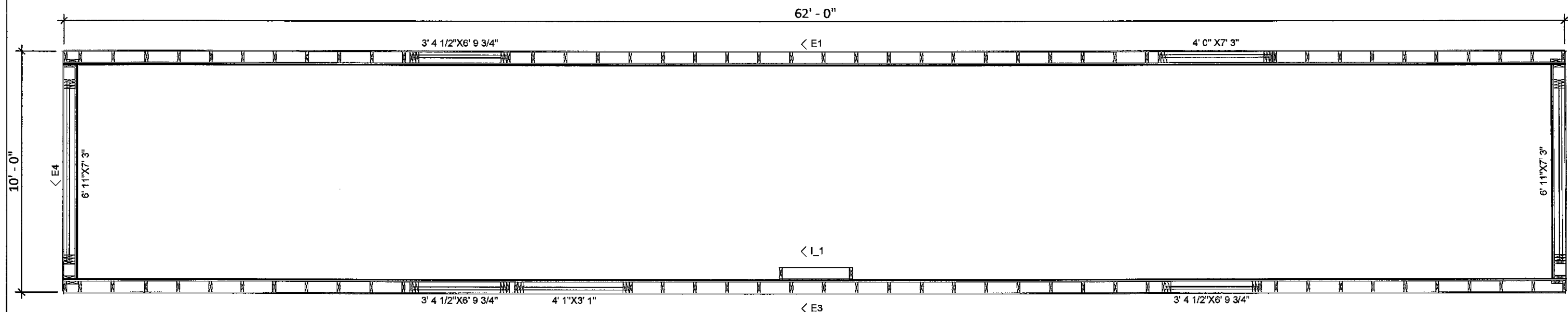
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|------------|---|
| TITLE: | BAFFIN ISLAND ARCTIC CORRIDOR ROOF FRAMING HORIZON NORTH |
| SHEET NO.: | 2FR-100 |

1ST LAYER - 5/8" T@G PLYWOOD SHEATHING (GLUED TO JOIST)



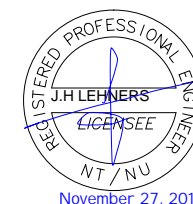
2ND LAYER - 5/8" T@G PLYWOOD SHEATHING (GLUED TO 1ST LAYER)





① WALL PANEL LAYOUT
1/4" = 1'-0"

Sheet 10 of 10



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| DRAWN BY: | AL |
| CHK BY: | KB |
| DATE: | 06/21/18 |
| SCALE: | 1/4" = 1'-0" |
| PROJECT NO: | 92160-92161 |
| TYPE: | 10'-0" X 62'-0" |

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|------------|--|
| TITLE: | BAFFIN ISLAND ARCTIC CORRIDOR WALL LAYOUT HORIZON NORTH |
| SHEET NO.: | 2WL-100 |