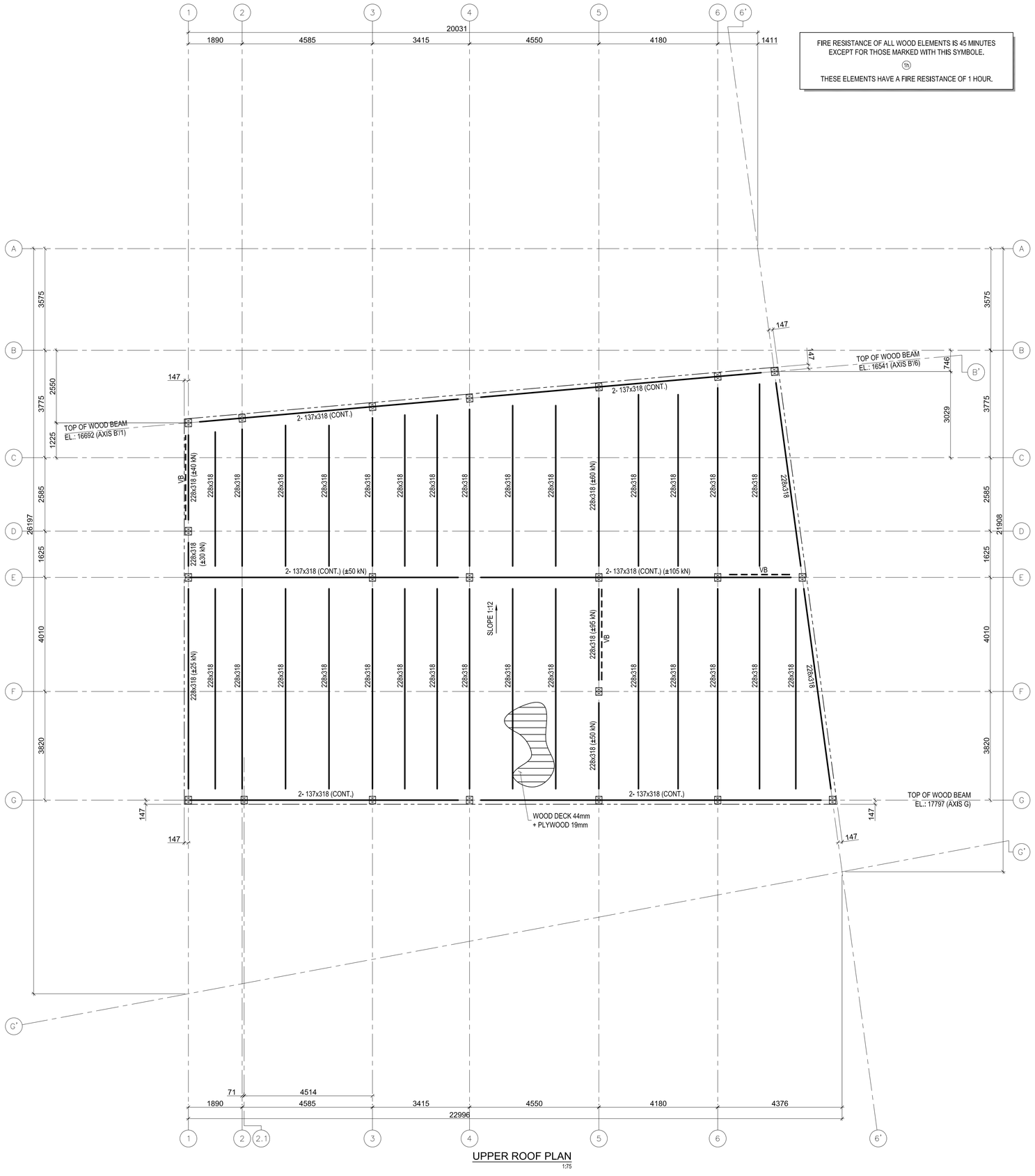

UPPER ROOF PLAN
1:75

FIRE RESISTANCE OF ALL WOOD ELEMENTS IS 45 MINUTES EXCEPT FOR THOSE MARKED WITH THIS SYMBOLE.

(1h)

THESE ELEMENTS HAVE A FIRE RESISTANCE OF 1 HOUR.

UPPER ROOF CHARACTERISTICS:

- TOP OF WOOD BEAM EL.: SEE PLAN
- WOOD DECKING 44mm DEPTH
- WOOD DECK FIXATION:
  - A. FIXATION AT SUPPORT:
    - a. COMMON NAILS, 76m Lg x 3.66mmØ @ 300 c/c
  - B. FIXATION AT SIDE-LAP:
    - b. SPIRAL COMMON NAILS, 63mm Lg x 3.33mmØ @ 300 c/c
- OPENINGS: CONTRACTOR MUST REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR DIMENSIONS AND LOCATIONS.

DESIGN CRITERIA:

1. DEAD LOAD:
   - ROOFING: 0.45 kPa
   - WOOD DECK + PLYWOOD: 0.36 kPa
   - WOOD STRUCTURE: 0.38 kPa
   - MECHANICAL + ELECTRIAL: 0.25 kPa
   - SUSPENDED CEILING: 0.20 kPa

   TOTAL: 1.64 kPa
2. LIVE LOAD: SEE LIVE LOAD PLAN
3. DEFLECTION UNDER LIVE LOAD: L/360 (TYP., U.O.S.)
4. DEFLECTION UNDER TOTAL LOAD: L/180

BEAMS DIMENSIONS	
EPS - 24F-ES/NPG	DOUGLAS-FIR 24F-EX
137x406	130x418
184x318	175x304
184x362	175x342
184x406	175x418
184x457	175x456
228x318	215x304
2- 86x127	2- 80x114
2- 86x178	2- 80x190
2- 137x137	2- 130x152
2- 137x178	2- 130x190
2- 137x362	2- 175x342
2- 137x406	2- 130x418
2- 137x457	2- 130x456
2- 184x546	2- 175x570

COLUMN	COLUMN DIMENSIONS	
	EPS - 24F-ES/NPG	DOUGLAS-FIR 24F-EX
COL-01	2- 137x222	2- 130x228
COL-02	184x184	175x190
COL-03	2- 184x222 + 44x222	2- 175x228 + 80x228
COL-04	137x137	130x152

LEGEND	
*	TIE JOIST
**	STEEL CONNECTION BETWEEN BALCONY AND BUILDING (SEE SECTION)
Jxxx	xxx = JOIST DEPTH (mm)
VB	VERTICAL BRACING
(±___kN)	FACTORED AXIAL LOAD TO BE CONSIDERED FOR CONNECTIONS
— x —	SHEAR CONNECTOR
T	COLUMN ON BEAM
T.O.S.	TOP OF STEEL BEAM / JOIST
T.O.W.	TOP OF WOOD BEAM
T.O.C.	TOP OF CONCRETE
B.O.S.	BOTTOM OF STEEL
U.O.S.	UNLESS OTHERWISE SPECIFIED
CP:	CUT OF PILE LEVEL
PI- # -__	PILE HEAD (SEE DETAIL ON S301)
BP-__- ##	BASE PLATE (SEE DETAIL ON S402)
(R)	TORSION (5 kN-m)

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

PRELIMINARY
NOT FOR CONSTRUCTION

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Revision	Description	Date
5		
4		
3		
2		
1		
0	ISSUED FOR TENDER	2018-03-16

Client / client

Indigenous and Northern Affairs Canada (INAC)

Public Works and Government Services Canada

Project title / Projet

Iqaluit (Nunavut)

NEW IQALUIT DAYCARE

Designed by / Conçu par
Amélie Vlau, jr. eng.

Drawn by / Dessiné par
Dominic Ouellet

Approved by / Approuvé par
Louis-Philippe Poirier, eng.

PWGSC Project Manager / Administrateur de Projets TPSGC
Russel Knister

Drawing title / Titre du dessin

STRUCTURE
SERIE 200 - SUPERSTRUCTURE

UPPER ROOF PLAN
PLAN VIEW

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.082769.001	S206	0
	10 OF 20	

PWGSC – A1 – 841X594

0 10 20 30 40 50 60 70 80 90 100mm

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