WF1 - EXTERIOR FOUNDATION WALL

R-10ci (UNCONDITIONED SPACE)
10" CONCRETE THICKNESS

- CEMENTICIOUS PARGING ABOVE GRADE
- 10" REINFORCED CONCRETE FOUNDATION WALL (REFER TO STRUCTURAL)
- 2"R-10ci 'OWENS CORNING FOAMULAR C-300' EXTRUDED POLYSTYRENE RIGID INSULATION BOARDS (R/in. 5.0) W/ SHIPLAP EDGE & MECHANICALLY FASTENED TO INTERIOR FACE OF FOUNDATION WALL. EXTEND INSULATION TO T/O FOOTING BELOW.

FOOTING & BACKFILL:

- REINFORCED CONCRETE STRIP FOOTING ON COMPACTED SUBGRADE TO UNDISTURBED NATIVE SOIL OR ROCK (REFER TO STRUCTURAL)
- BACKFILL W/ SAND & PROVIDE MIN. 200mm SCREENED TOP SOIL

FOOTING & BACKFILL:

- REINFORCED CONCRETE STRIP FOOTING ON COMPACTED SUBGRADE TO UNDISTURBED NATIVE SOIL OR ROCK (REFER TO STRUCTURAL)
- BACKFILL W/ SAND & PROVIDE MIN. 200MM SCREENED TOP SOIL

CO1- STRUCTURAL COLUMNS
2HR FRR - ULC DESIGN NO. X528

- 2 LAYERS OF 3/4" SHEETROCK ULTRACODE
- CORE GYPSUM PANELS
- 42 MM (1-5/8) 0.5 MM (25 GAUGE) STEEL STUDS AT CORNERS
- JOINTS FINISHED

WE1 - EXTERIOR WOOD FRAMED WALL
(PRE-FINISHED ALUMINUM SIDING)
U-0.043 - 313MM O/A DEPTH

- 6" [D]HORIZONTAL PRE-FINISHED STEEL SIDING C/W 'CHARCOAL'
- 'TYVEK' CONTINUOUS AIR BARRIER C/W TAPPED JOINTS (R-0.17)
- 3" HORIZONTAL GALVANIZED Z-BAR SUB-GIRTS @ 24" O.C.
- 5/8" ASPENITE
- 3" R-12 TYPE 2 EXPANDED POLYSTYRENE (EPS) RIGID INSULATION BOARDS (R/IN-4.0), MECHANICALLY FASTENED
- 2 X 8 WOOD STUD FRAMING @ 24" O.C.
- 6" R-24 'OWENS CORNING ECOTOUCH PINK FIBERGLAS' THERMAL BATT INSULATION (R/IN-4.0) (EFFECTIVE R-9.5)
- 6 MIL CONTINUOUS POLYETHYLENE VAPOUR BARRIER C/W TAPED JOINTS (R-0.68)
- 2 X 5/8" SHEETROCK FIRECODE CORE GYPSUM BOARD, PAINTED (R-0.45)

ADDITIONAL NOTE:

WHERE EXTERIOR WALL TYPE WE2 EXTENDS ABOVE THE ROOF DECKING TO FORM THE PARAPET REPLACE THE 5/8" 'CGC SHEETROCK' GYPSUM BOARDS & 6 MIL CONTINUOUS POLYETHYLENE VAPOUR BARRIER W/ 5/8" CGC SECUROCK' GLASS-MAT SHEATHING PANELS & CONCEAL W/ LAPPED 2-PLY BUILT-UP ROOFING MEMBRANE (BUR)

WI1 - INTERIOR WOOD FRAMED WALL
10 1/2" O/A WIDTH - NON-LOADBEARING
2HR FRR - UL DES U334

• 15.9 MM (5/8") SHEETROCK FIRECODE C CORE GYPSUM PANELS
– 2X8 WOOD STUDS 400 MM (16") O.C.
– 50 MM (2") SAFB
– RESILIENT CHANNEL ONE SIDE
- – JOINTS FINISHED

WI2 - INTERIOR WOOD FRAMED WALL
5 1/4" O/A WIDTH - NON-LOADBEARING
IHR FRR - UL DES U327

• 15.9 MM (5/8") SHEETROCK FIRECODE C CORE GYPSUM PANELS
– 2X4 WOOD STUD 400 MM (16") OR 610 MM (24") O.C.
– 75 MM (3") SAFB
– RESILIENT CHANNEL ONE SIDE
- JOINTS FINISHED

WI3 - INTERIOR WOOD FRAMED WALL
4 3/4"O/A WIDTH - NON-LOADBEARING
1HR FRR - ULC DES W305

• 5/8" SHEETROCK FIRECODE CORE PANELS, OR 5/8" SHEETROCK ULTRALIGHT PANELS FIRECODE X U314 OR 5/8" FIBEROCK PANELS
– 2 X 4 WOOD STUD 16" OR 24" O.C.
– OPTIONAL INSULATION

WI4 - INTERIOR WOOD FRAMED WALL
6 3/8"O/A WIDTH - NON-LOADBEARING
1HR FRR - ULC DES WU340

•5/8" SHEETROCK FIRECODE C CORE GYPSUM PANELS
– 2 X 4 STAGGERED WOOD STUD 24" O.C. ON 2 X 6 COMMON PLATE
– JOINTS FINISHED
75 MM (3") SAFB
• OPTIONAL VENEER PLASTER

WI5 - INTERIOR WOOD FRAMED WALL
8 3/4"O/A WIDTH - NON-LOADBEARING
1HR FRR - ULC DES U314

2 LAYERS 5/8" SHEETROCK FIRECODE CORE PANELS, OR 5/8" SHEETROCK ULTRALIGHT PANELS FIRECODE X OR 5/8" FIBEROCK PANELS
–2 X 6 WOOD STUD 16" OR 24" O.C.
– 2" RIGID INSULATION

WI6 - INTERIOR WOOD FRAMED WALL
6" O/A WIDTH - NON-LOADBEARING
2HR FRR - ULC DES U301

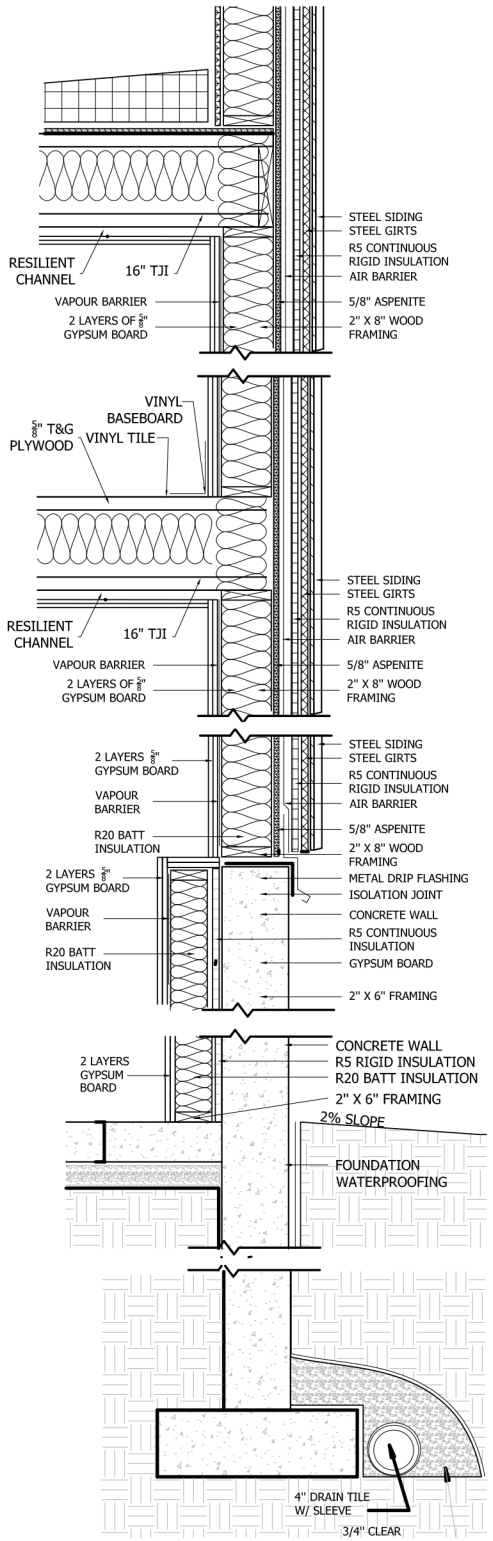
• 15.9 MM (5/8") SHEETROCK FIRECODE CORE GYPSUM PANELS OR SHEETROCK WATER-RESISTANT FIRECODE OR
CORE GYPSUM PANELS OR FIBEROCK PANELS
– 2X4 WOOD STUDS 400 MM (16") O.C.
– JOINTS FINISHED
• OPTIONAL VENEER PLASTER

FC1 - CEILING/FLOOR
2HR FRR - ULC DESIGN NO. L538

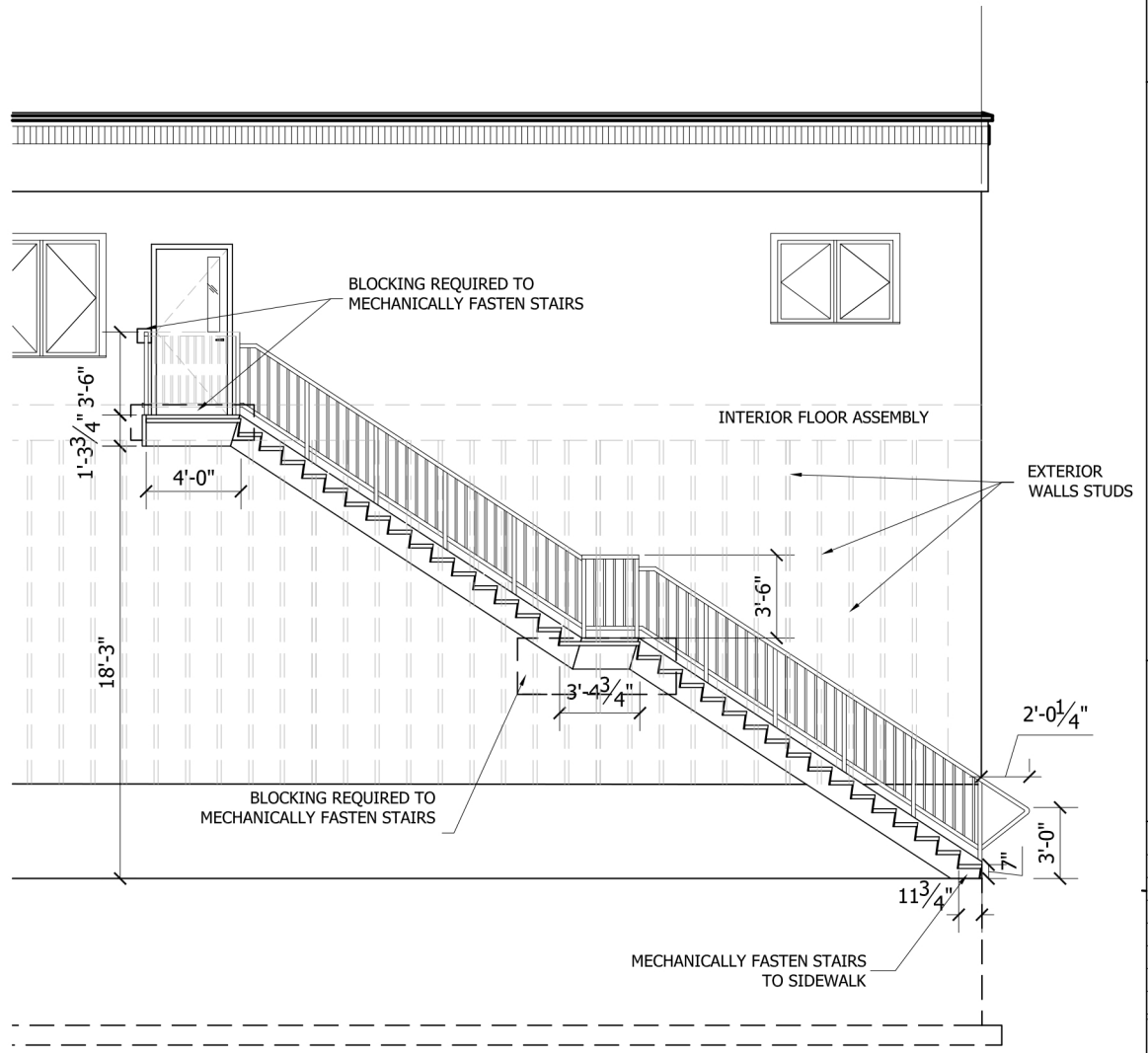
BASE LAYER: 15.9 MM (5/8) SHEETROCK FIRECODE C CORE GYPSUM PANELS
–RESILIENT CHANNEL
• DOUBLE FACE LAYER: 15.9 MM (5/8) SHEETROCK FIRECODE C CORE GYPSUM PANELS
–16" WOOD TRUSS JOISTS 24" O.C.
– JOINTS FINISHED
–FLOOR: 5/8 T&G PLYWOOD
• OPTIONAL 1/4" LEVELROCK FLOOR UNDERLAYMENT
• OPTIONAL VENEER PLASTER

R1 - FLAT ROOF
(TJI JOISTS)
R-36CI - 700MM O/A JOIST DEPTH

- 2-PLY BUILT-UP ROOFING MEMBRANE (BUR)
- 3MM SEMI-RIGID PROTECTION BOARD C/W URETHANE ADHESIVE
- 2 LAYERS OF 79MM R-18CI (158MM R-36CI TOTAL) 3' POLYISOCYANURATE ROOF INSULATION BOARDS (R/IN-5.6) C/W MECHANICAL FASTENERS & PLATES. PROVIDE ADDITIONAL TAPERED POLYISOCYANURATE ROOF INSULATION BOARDS AS REQUIRED TO CREATE 1% SLOPE & ENSURE POSITIVE DRAINAGE AWAY FROM ROOF TOP PENETRATIONS & MECHANICAL COMPONENTS.
- SELF-ADHERED VAPOUR BARRIER. ENSURE VAPOUR BARRIER EXTENDS UNDER OOD STUD FRAMING FOR PARAPET.
- 1/2" 'CGC SECUROCK' GLASS-MAT SHEATHING PANELS
• BASE LAYER: 15.9 MM (5/8) SHEETROCK FIRECODE C UL DES L538 SA920 B-67
CORE GYPSUM PANELS
–RESILIENT CHANNEL
• DOUBLE FACE LAYER: 15.9 MM (5/8) SHEETROCK FIRECODE C CORE GYPSUM PANELS
–16" TJI JOISTS 24" O.C.
- JOINTS FINISHED



1 A301 EXTERIOR WALL
N.T.S.



2 A301 STAIRS
1/8"=1'-0"

REVISIONS AND ISSUES

NO.	DATE	DESCRIPTION

CLIENT:

DRAWING TITLE:
WALL TYPES, EXT. WALL SECTION AND STAIR DETAILS

PROJECT #:	DATE:
2021-0005	18-Jun-21
DRAWN BY:	SCALE:
	3/32" = 1'-0"

DRAWING NO.
A301