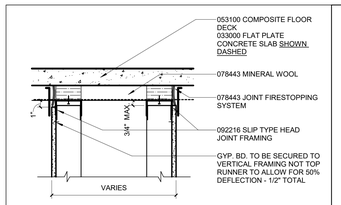
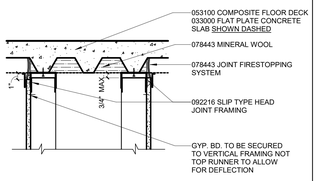
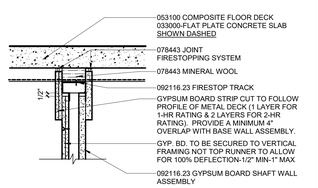
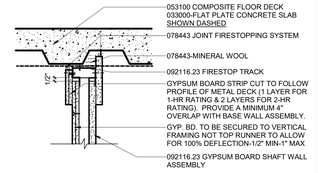




TYPICAL NON-RATED PARTITION CHASE HEAD DETAIL AT STEEL DECK

9 — 1 : 8

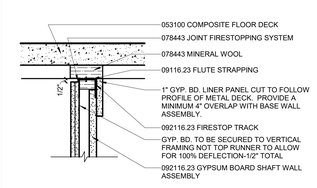


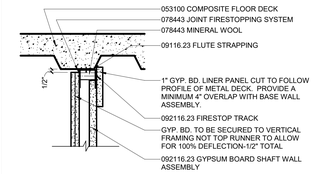


TYPICAL 1, 2, OR 3 HOUR SHAFTWALL HEAD DETAIL

6 — 1 : 8

1, 2, OR 3 HOUR RATED ASSEMBLY #HW-D-0119 (2 HOUR SHOWN)

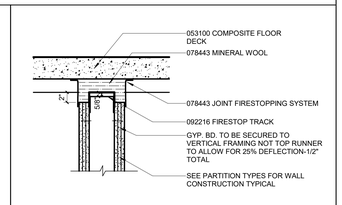


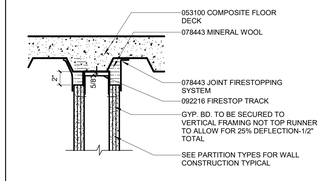


TYPICAL 2 HOUR SHAFTWALL HEAD DETAIL AT STEEL DECK

4 — 1 : 8

2 HOUR RATED ASSEMBLY UL #HW-D-0525

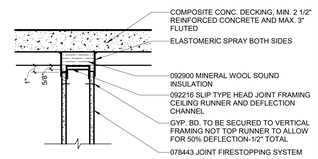


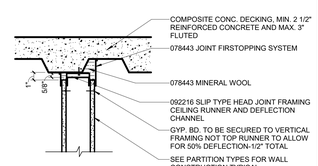


TYPICAL 2, 3, OR 4 HOUR GYPSUM HEAD DETAIL AT STEEL DECK

2 — 1 : 8

2, 3, OR 4 HOUR RATED ASSEMBLY UL #HW-D-0304 (3 HOUR SHOWN)

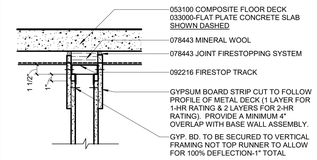


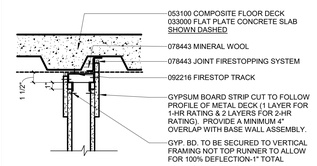


TYPICAL RATED GYPSUM HEAD DETAIL AT STEEL DECK

5 — 1 : 8

1, 2, 3, AND 4 HOUR RATED ASSEMBLY UL #HW-D-0043 (ONE HOUR SHOWN)

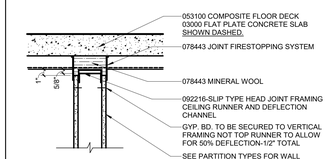


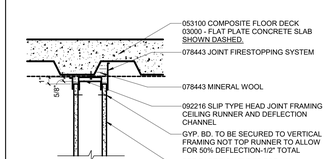


TYPICAL 1, 2, OR 3 HOUR GYPSUM HEAD DETAIL

3 — 1 : 8

1, 2, OR 3 HOUR RATED ASSEMBLY UL #HW-D-0060 (1 HOUR SHOWN)





TYPICAL NON-RATED PARTITION CHASE HEAD DETAIL

1 — 1 : 8

MAXIMUM PROJECT SPECIFIC DESIGN LIVE LOAD DEFLECTION AT MID-SPAN TO BE AS-FOLLOWS:

FLOORS: _____

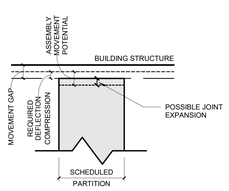
ROOFS: _____

UL ASSEMBLIES LISTED ON THIS SHEET REPRESENT THE DESIGN INTENT OF ANTICIPATED HEAD OF WALL CONDITIONS.

OTHER UL ASSEMBLIES THAT MEET THIS DESIGN INTENT ARE ACCEPTABLE.

CRITICAL DESIGN INTENT CRITERIA INCLUDE:

1. ADDRESSING MINIMUM DEFLECTION REQUIREMENTS.
2. AESTHETIC REQUIREMENTS FOR EXPOSED CONDITIONS.
3. PROVIDING REQUIRED WALL FIRE-RATING.



NOTE: JOINT FILL MATERIAL MUST ACCOMODATE MAXIMUM PROJECT SPECIFIC LIVE LOAD DEFLECTION INDICATED.
FILL MATERIALS TYPICALLY COMPRESS 50% OR LESS, MEANING THE MOVEMENT GAP WOULD NEED TO BE A MINIMUM OF 2X MAXIMUM DEFLECTION. CONTRACTOR SHALL REVIEW ALL PROPOSED HEAD OF WALL SYSTEMS AGAINST ACTUAL COMPRESSION PROPERTIES OF FILL MATERIAL AND SELECT SYSTEMS AS REQUIRED TO MEET THE REQUIRED DEFLECTION.

GENERAL DEFLECTION DETAIL

1 : 4

HEAD OF WALL DETAIL SELECTION - CONCEALED CONDITION

WALL TYPE	NON-RATED	1 HOUR	2 HOUR	3 HOUR	4 HOUR
GYPSUM BOARD	3 or 5 / A1011	3 or 5 / A1011	2, 3 or 5 / A1011	2, 3 or 5 / A1011	2 or 5 / A1011
SHAFTWALL	NA	4 or 6 / A1011	4 or 6 / A1011	6 / A1011	-

1. REFER TO UL DESIGN INDICATED FOR DETAILED CONSTRUCTION REQUIREMENTS, TYPICAL.
2. FOR ALL NON RATED WALL ASSEMBLIES, USE ONE HOUR DESIGNS FOR FRAME WALLS, ALLOW 2 1/2" FRAMING MEMBERS TYPICAL.
3. THESE DETAILS ARE PROVIDED FOR EXPOSURE TYPE GUIDANCE. FOR ANY HEAD OF WALL SUBSTITUTIONS, PROVIDE A UL ASSEMBLY THAT PROVIDES A MINIMUM OF 1/2" DEFLECTION ACCOMMODATION UNO.

HEAD OF WALL DETAIL SELECTION - EXPOSED CONDITION

WALL TYPE	NON-RATED	1 HOUR	2 HOUR	3 HOUR	4 HOUR
GYPSUM BOARD	3 / A1011	3 / A1011	3 / A1011	3 / A1011	-
SHAFTWALL	NA	4 or 6 / A1011	4 or 6 / A1011	6 / A1011	-

1. REFER TO UL DESIGN INDICATED FOR DETAILED CONSTRUCTION REQUIREMENTS, TYPICAL.
2. FOR ALL NON RATED WALL ASSEMBLIES, USE ONE HOUR DESIGNS FOR FRAME WALLS, ALLOW 2 1/2" FRAMING MEMBERS TYPICAL.
3. THESE DETAILS ARE PROVIDED FOR EXPOSURE TYPE GUIDANCE. FOR ANY HEAD OF WALL SUBSTITUTIONS, PROVIDE A UL ASSEMBLY THAT PROVIDES A MINIMUM OF 1/2" DEFLECTION ACCOMMODATION UNO.

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Waypoint Centre for Mental Health Care

Additional Acute Mental Health Inpatient Beds Project

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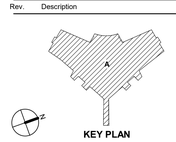
ISSUED FOR TENDER

18 DEC 2023

Ministry of Health Project Number: **205004**

Rev.	Description	Date



KEY PLAN

Drawing Title:

TYPICAL PARTITION HEAD OF WALL DETAILS

Project No.: 020708.50 Checked by: JW

A1012

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