



Lake Louise Campground – Tent Side Shower Building Renovation

131 Fairview Dr,
Improvement District
No. 9,
Lake Louise, Alberta
T0L

Stantec Project Number: 113678159

PROJECT TEAM:

OWNER/ PROJECT MANAGER:

Parks Canada / Government of Canada
Lake Louise, Yoho & Kootenay Field Unit
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ARCHITECTURAL DRAWING LIST

A001	GENERAL NOTES AND SYMBOLS
A100	CONSTRUCTION PLANS
A200	FINISH & EQUIPMENT PLAN
A400	ELEVATIONS
A700	TYPICAL DETAILS

MECHANICAL DRAWING LIST

M001	MECHANICAL LEGEND, SCHEDULES, DETAILS AND DRAWING LIST
M100	MECHANICAL PLANS
M200	MECHANICAL SPECIFICATIONS



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2	ISSUED FOR 80% REVIEW	DG	SS	2017.12.06
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PACKAGE A		By	Appd	YYYY.MM.DD
File Name: N/A	DG	SS	GV	
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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Lake Louise Campground – Tent Side
Shower Building Renovation

131 Fairview Dr, Improvement District No. 9,
Lake Louise, Alberta
T0L

Title
COVER

Project No.
113678159

Revision
3

Scale

Drawing No.

A000

F

E

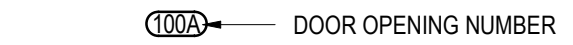
D

- C

B

- A**

100A — DOOR OPENING NUMBER



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PACKAGE A			
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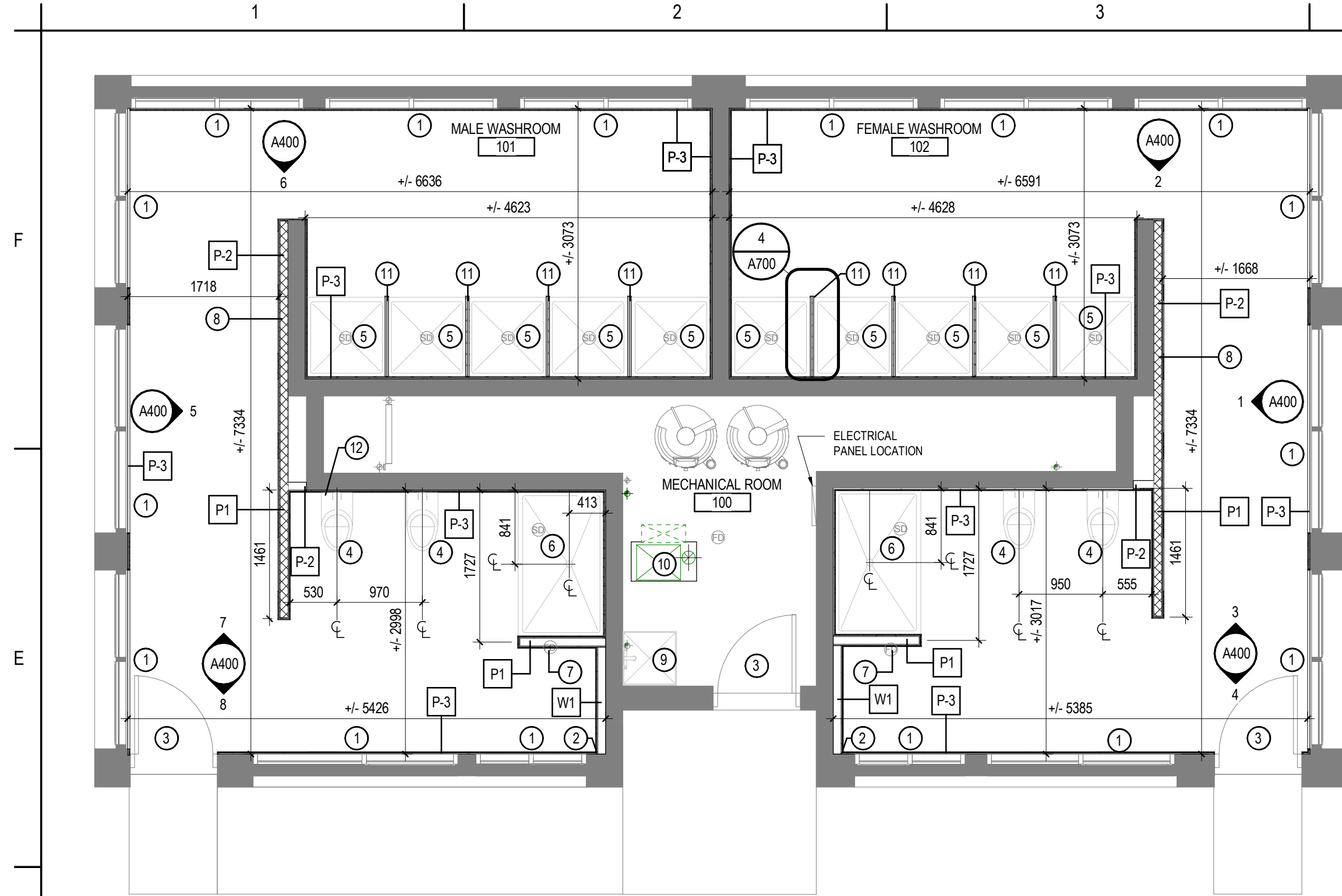
131 Fairview Dr. Improvement District No. 8

Title

Project No

Scale

Revision _____ Drawing No. _____



1 PARTITION PLAN
A100 1:50

SHEET NOTES - PARTITION

- A. ALL WALL AND CEILING FRAMING TO BE COMPLETED IN HOUSE. GC TO CONFIRM LOCATION AND STRUCTURAL ADEQUACY OF OWNER CONSTRUCTED FRAMING. ADVISE PROJECT MANAGER OF DISCREPANCIES WITH THE DIMENSIONED PLANS OR CONFLICTS WITH OTHER PARTS OF THE WORK. ADJUST LOCATIONS AS REQUIRED BASED ON REVIEW.
- B. FURR OUT AS REQUIRED ALL COLUMNS, EXTERIOR WALLS, BUILDING CORE WALLS, ETC., FOR INSTALLATION OF POWER, COMMUNICATION, AND SECURITY WIRING, CONDUITS, AND DEVICE BOXES.
- C. DOOR AND WINDOW SIZES ARE NOMINAL. CONTRACTOR TO CONSULT SUPPLIER FOR EXACT SIZES AND ROUGH OPENINGS.
- D. PROVIDE ALL FRAMING / BLOCKING AS REQUIRED TO ENSURE PROPER SECUREMENT OF ALL MATERIALS, EQUIPMENT, ACCESSORIES, ETC.
- E. FURR IN ALL EXPOSED MECH. AND ELECT. DUCTS AND PIPING.

KEY NOTES- PARTITION PLAN

1. INSTALL 89MM X 12.7 (3.5" X 0.5") NEW SOLID WOOD WINDOW TRIM. CONSTRUCTED WITH FLAT PROFILE AND MITERED CUTS.
2. TIE NEW VAPOUR BARRIER INTO EXISTING.
3. PREPARE EXISTING DOOR AND FRAME TO RECEIVE NEW FINISHES.
4. PREPARE LOCATION OF NEW WALL HUNG TOILET LOCATION. REFER TO MECHANICAL DRAWINGS.
5. ALIGN NEW SHOWER BASE WITH EXISTING SHOWER DRAINS. NOTIFY CONSULTANT IMMEDIATELY IF CONFLICTS ARE FOUND BETWEEN THE NEW SHOWER BASE AND EXISTING DRAIN.
6. RELOCATE EXISTING SHOWER DRAIN TO ACCOMMODATE NEW LAYOUT. REFER TO MECHANICAL DRAWINGS. SITE VERIFY AND COORDINATE WITH MANUFACTURER INSTALLATION GUIDE.
7. CAP OFF EXISTING FLOOR DRAIN. REFER TO MECHANICAL. PATCH AND REPAIR SLAB TO RECEIVE NEW FINISHES.
8. FOR INSTALLATION OF NEW MILLWORK & MIRROR, PROVIDE FULL HEIGHT 19mm PLYWOOD BLOCKING BETWEEN STUDS.
9. INSTALL NEW JANITOR MOP SINK C/W SPLASH GUARD. REFER TO MECHANICAL.
10. AT NEW FURNACE LOCATION CONSTRUCT STEEL SUPPORT FRAME TO SUPPORT NEW FURNACE. MINIMUM OF 250MM A.F.F. CONSTRUCT TO SUIT FURNACE MANUFACTURER'S SUPPORT AND ACCESS REQUIREMENTS. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO CONSULTANTS FOR REVIEW. SEE FURNACE SPECIFICATIONS.
11. CONSTRUCT NEW SHOWER BASE CAP. REFER TO DETAILS ON SHEET A700.

SHEET NOTES - REFLECTED CEILING PLAN

- A. THIS DRAWING IS FOR THE LOCATION AND DIMENSIONS OF A PORTION OF FIXTURES, OUTLETS, GRILLES, DIFFUSERS AND OTHER EQUIPMENT AND DEVICES. IT IS NOT INTENDED TO INDICATE THE COMPLETE SCOPE OF MECHANICAL AND ELECTRICAL WORK. REPORT ANY DISCREPANCIES BETWEEN THIS DRAWING AND ENGINEERS' DRAWINGS TO THE CONSULTANT IMMEDIATELY.
- B. ADVISE CONSULTANT IMMEDIATELY UPON DISCOVERY OF INTERFERENCE WITH STRUCTURAL MEMBERS, DUCTS, PIPES OR OTHER BUILDING SERVICES THAT WILL AFFECT LAYOUT AS INDICATED ON DRAWINGS. ADJUST LOCATIONS AS REQUIRED AS AGREED TO BY CONSULTANT.
- C. PAINT EXPOSED SURFACES OF PAINTABLE ACCESS PANELS, GRILLES AND LINEAR DIFFUSERS TO MATCH THE CEILING COLOUR.
- D. PRIOR TO GWB INSTALLATION, PAINT ALL FRAMING VISIBLE THROUGH RETURN AIR SLOTS OR CEILING OPENINGS BLACK.
- E. PAINT ALL CEILING COVES, REVEALS AND RECESSES TO MATCH CEILING COLOUR UNLESS OTHERWISE NOTED.
- F. ALL MECHANICAL AND ELECTRICAL ELEMENTS NOT SHOWN (INCLUDING, SENSORS, STROBE LIGHTS ETC.) ARE TO BE COORDINATED TO ALIGN AND BE CENTERED WITH OTHER CEILING ELEMENTS AS SHOWN.
- G. PROVIDE ALL FRAMING / BLOCKING AS REQUIRED TO ENSURE PROPER SECUREMENT OF ALL MATERIALS, EQUIPMENT, ACCESSORIES, ETC.
- H. ALL NEW CEILING FRAMING TO BE COMPLETED IN HOUSE BY OWNER. GC TO SUPPLY AND INSTALL NEW GWB/ TILE BACKER BOARD.
- I. ALL NEW FRAMING TO BE COMPLETED IN HOUSE. GC TO ENSURE STRUCTURAL ADEQUACY OF OWNER CONSTRUCTED CEILINGS, PRIOR COMMENCEMENT OF WORK.

KEYED NOTES - RCP

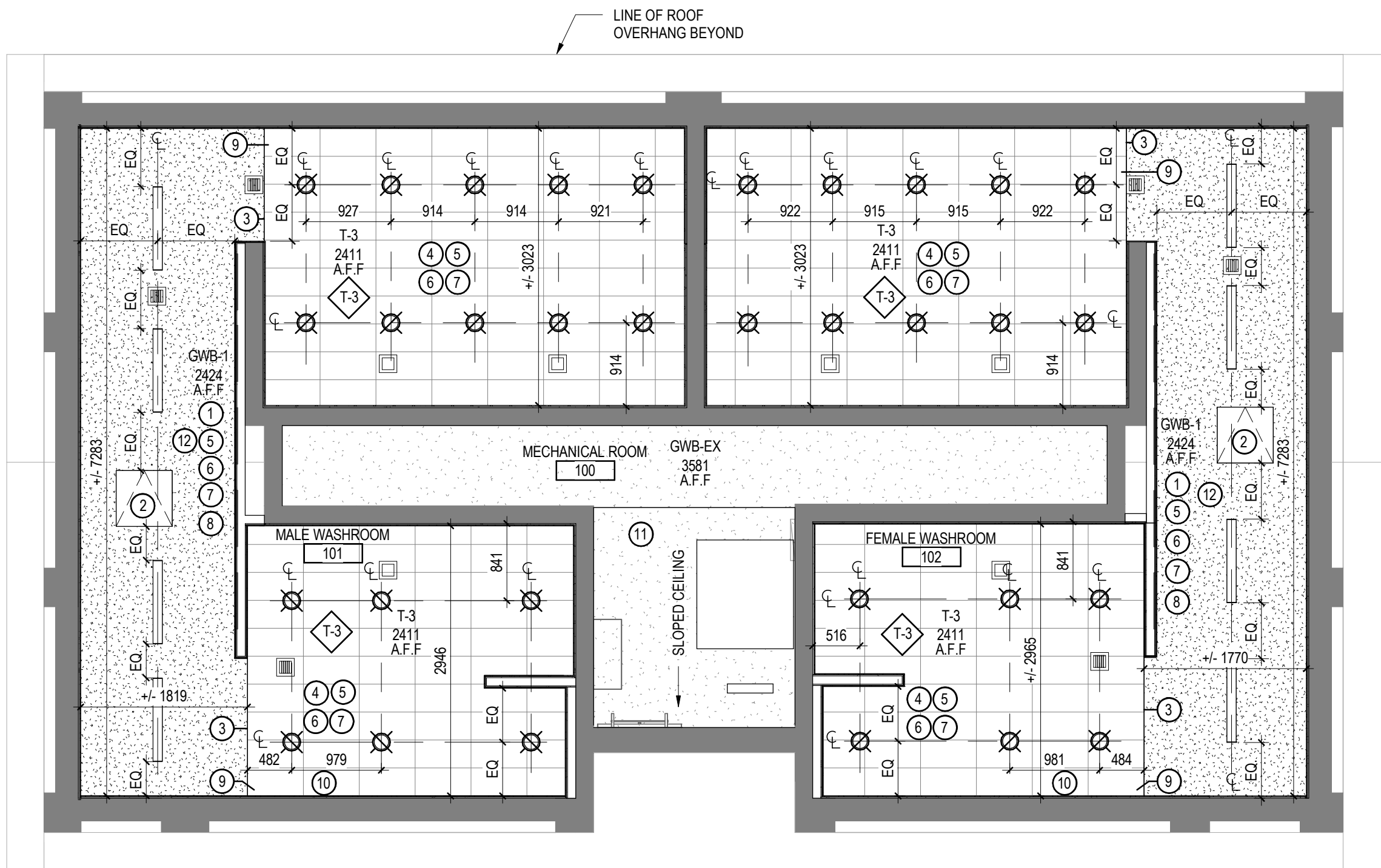
1. NEW GYPSUM 16mm BOARD CEILING TO BE FINISHED W/ PT-01
2. INSTALL NEW INSULATED RECESSED 610MM X 610MM ACCESS PANEL. FRAMED IN OPENING COMPLETED BY OWNER. COORDINATE ROUGH OPENING DIMENSIONS
3. INSTALL STARTER EDGE STRIP (BY SCHLUTER OR EQUAL) AT TRANSITION BETWEEN TILE AND GWB CEILING.
4. INSTALL NEW TILE BACKER BOARD WHERE TILE IS TO BE INSTALLED ON CEILING. FINISH WITH T-3
5. PRIOR TO INSTALLATION OF GYPSUM BOARD/ TILE BACKER INSTALL 6 MIL POLYETHYLENE VAPOUR BARRIER. TIE INTO EXISTING VAPOUR BARRIER ON EXTERIOR WALLS.
6. AFTER INSTALLATION OF GYPSUM BOARD/ TILE BACKER INFILL ATTIC SPACE WITH MINERAL WOOL BATT INSULATION TO AN EFFECTIVE RSI VALUE OF 7.04 (R-40).
7. ALL LUMINAIRES AND LIGHTING EQUIPMENT TO BE SUPPLIED AND INSTALL BY OWNER.
8. ENSURE AIR CIRCULATION BETWEEN EXISTING SOFFET AND NEW ATTIC CAVITY. REMOVE EXISTING CEILING INSULATION AT SOFFET LOCATIONS AND INSTALL NEW INSULATION STOPS BETWEEN NEW CEILING TRUSSES.
9. CEILING TILE START POINT. BEGIN TILE PATTERN WITH A FULL TILE.
10. PROVIDE 19mm PLYWOOD BLOCKING TO SUPPORT CEILING SUPPORTED WASHROOM PARTITION PANEL.
11. PATCH AND REPAIR EXISTING GWB CEILING TO RECEIVE NEW FINISHES. REPAIR UNUSED OPENINGS FROM REMOVED HVAC SYSTEM. PAINT WITH PT-01 FINISH.
12. REMOVE POLY VAPOUR BARRIER AND INSULATION FROM EXISTING VAULTED CEILING. ENSURE ADEQUATE AIR CIRCULATION FROM SOFFETS INTO NEW ATTIC SPACE.

LEGEND: PARTITION / CONSTRUCTION

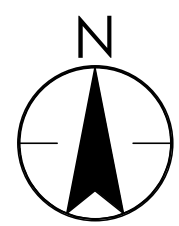
VARIES EXISTING BASE BUILDING WALLS TO REMAIN	P2- INTERIOR MOISTURE RESISTANT FURRING. SLAB TO U/S OF FINISHED CEILING -13mm (1/2") CEMENT TILE BACKER BOARD (ONE SIDE) -38mm x 89mm (2"x4") DIMENSIONAL LUMBER @ 410mm (16") O.C. NOTE ALL FRAMING TO BE COMPLETED BY OWNER.
P1- INTERIOR MOISTURE RESISTANT PARTITION. SLAB TO U/S OF FINISHED CEILING -13mm CEMENT TILE BACKER BOARD -38mm x 89mm (2"x4") DIMENSIONAL LUMBER @ 410mm (16") O.C. -13mm TILE BACKER CEMENT BOARD NOTE ALL FRAMING TO BE COMPLETED BY OWNER.	INTERIOR PARTITION- P4 SLAB TO U/S SLAB -13mm (1/2") CEMENT TILE BACKER BOARD ADHERED TO EXISTING WALLS
W1- EXTERIOR WALL FURRING. SLAB TO U/S OF FINISHED CEILING -38mm x 89mm (2"x4") DIMENSIONAL LUMBER @ 410mm (16") O.C. INFILL STUD CAVITY WITH R-14 SEMI RIDGED MINERAL WOOL INSULATION. -6 mil POLYETHYLENE VAPOUR BARRIER -13mm TILE BACKER CEMENT BOARD NOTE ALL FRAMING TO BE COMPLETED BY OWNER.	SYMBOLS DENOTES LOCATION OF 19mm (3/4") PLYWOOD BLOCKING BETWEEN STUDS

CEILING LEGEND

	GWB-EX EXISTING GYPSUM BOARD CEILING TO REMAIN.
	GWB-1 NEW 16mm GYPSUM BOARD CEILING INSTALLED ONTO EXISTING FRAMING
	T-3 TILE BACKER BOARD CEILING FINISHED W/ CERAMIC TILE REFER TO FINISH PLAN
	NEW SURFACE MOUNTED 305mm x 1200mm LUMINAIRE LOCATION
	NEW RECESSED POT LUMINAIRE LOCATION
	NEW RECESSED 305mm x 305mm DIFFUSER GRILLE REFER TO MECHANICAL DRAWINGS LOCATION
	NEW RECESSED 610x610 ACCESS PANEL LOCATION
	NEW RECESSED RETURN AIR GRILLE LOCATION. REFER TO MECHANICAL
	NEW RECESSED SUPPLY AIR DIFFUSER LOCATION. REFER TO MECHANICAL



2 REFLECTED CEILING PLAN
A100 1:50



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Notes

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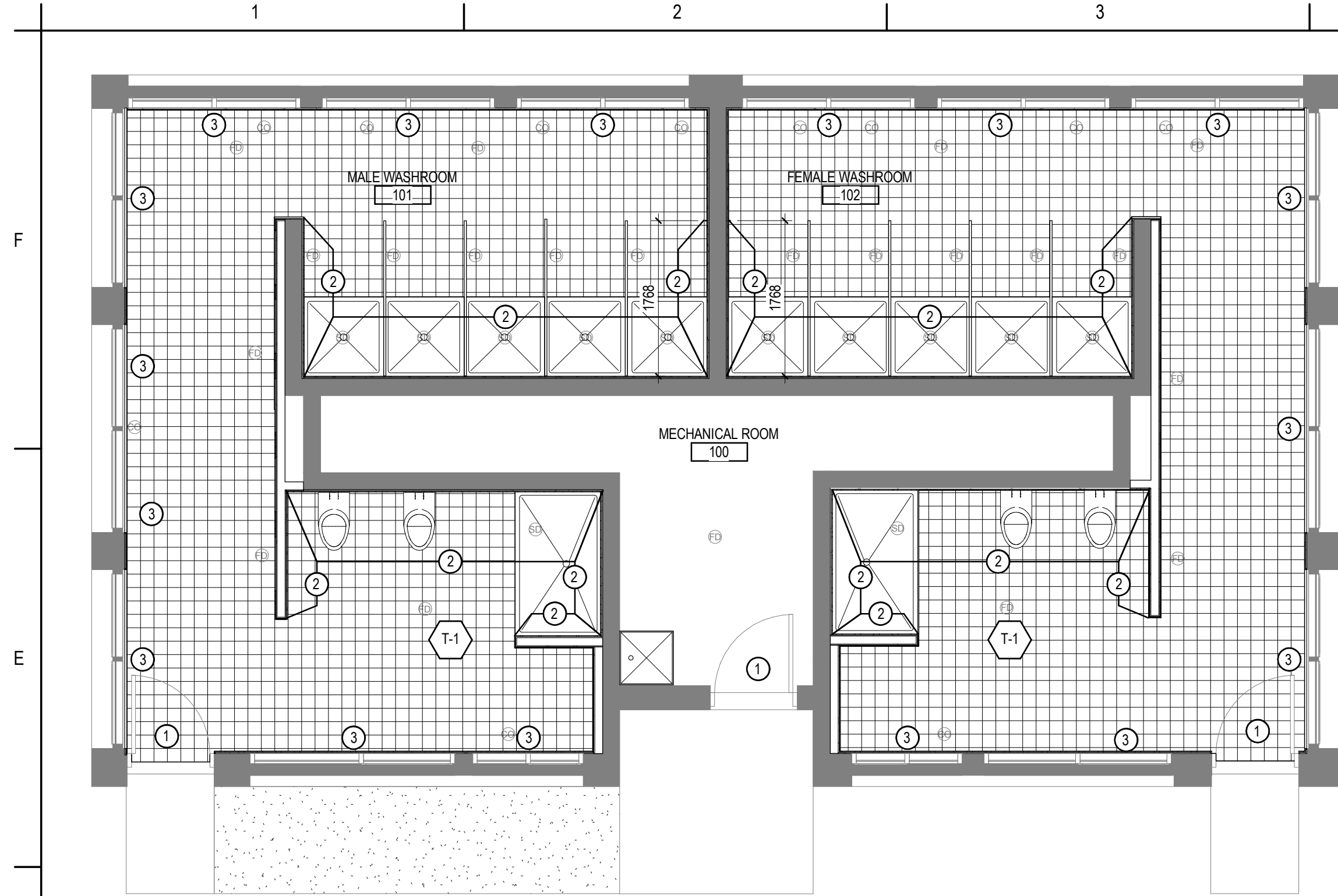
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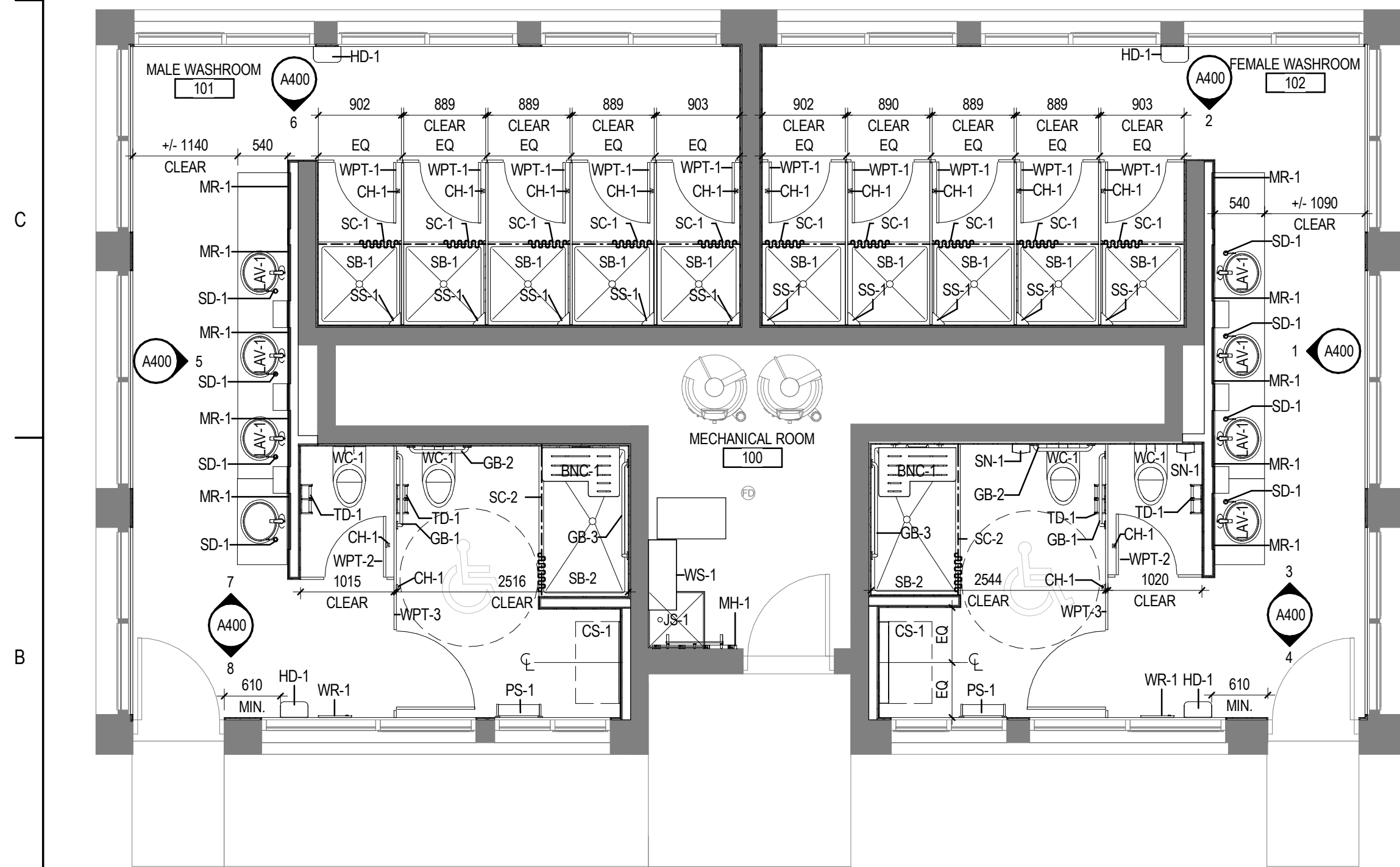
Title

CONSTRUCTION PLANS

Project No. 113678159	Scale As indicated
Revision 4	Drawing No. A100



1 FINISH PLAN
A200 1:50



2 EQUIPMENT PLAN
A200 1:50

SHEET NOTES - WALL FINISHES

A. REMOVE ALL SURFACE APPLIED ACCESSORIES, COVER PLATES, AND OTHER DEVICES PRIOR TO PREPARING WALLS FOR NEW FINISHES. RE-INSTALL AFTER FINISHING IS COMPLETE.

B. PAINT EXPOSED SURFACES OF PAINTABLE GRILLES AND DIFFUSERS TO MATCH THE ADJACENT WALL OR CEILING COLOUR UNLESS OTHERWISE NOTED.

C. ALL MATERIALS ARE TO BE PRIMED AND PAINTED UNLESS NOTED OTHERWISE. PROVIDE COLOR COORDINATED SEALANT BETWEEN DISSIMILAR MATERIALS

SHEET NOTES - FLOOR FINISHES

A. ALL FLOORING CHANGES AND TRANSITION STRIPS TO OCCUR UNDER CENTERLINE OF DOORS UNLESS OTHERWISE NOTED.

B. FEATHER AND/OR LEVEL CONCRETE FLOORS WITH CONCRETE TOPPING AS REQUIRED TO BRING ADJACENT MATERIALS FLUSH AND TO FACILITATE OTHER INSTALLATION. SLOPE TO BE 3.1mm MAXIMUM PER 305mm.

C. ALL MATERIALS ARE TO BE PRIMED AND PAINTED UNLESS NOTED OTHERWISE. PROVIDE COLOR COORDINATED SEALANT BETWEEN DISSIMILAR MATERIALS

D. PATCH ALL DAMAGED FLOOR AREAS WITH SUITABLE LATEX CONCRETE FILLER DEPENDING ON EXTENT OF DAMAGE. FILL AND LEVEL FLOOR SLAB TO THE TOLERANCES SPECIFIED. APPLY SEALER TO THE CONCRETE SLAB WHERE AFFECTED

E. MAINTAIN ACCESS AND FUNCTION OF ALL EXISTING FLOOR DRAINS AND CLEAN OUTS.

F. ADJUST ALL EXISTING FLOOR DRAINS AND CLEAN OUTS TO BE FLUSH WITH NEW FLOOR FINISH.

G. NEW FLOOR FINISH TO TERMINATE AT NEW SHOWER BASINS.

H. NEW FLOOR FINISH TO SLOPE TO EXISTING FLOOR DRAINS. UNO.

FINISH SCHEDULE-ROOM DATA

NUMBER	NAME	AREA	FLOOR FINISH	WALL FINISH	CEILING FINISH	COMMENTS
100	MECHANICAL ROOM	13.14 m ²	EX	EX	EX	
101	MALE WASHROOM	36.93 m ²	T-1	T-2/T-3	T-3/GWB	
102	FEMALE WASHROOM	36.73 m ²	T-1	T-2/T-3	T-3/GWB	

KEYED NOTES - FINISHES

- 1 PAINT BOTH SIDES OF DOOR AND FRAME WITH PT-02 EXTERIOR GRADE PAINT.
- 2 FINISH WALLS WITH FULL HEIGHT T-2
- 3 FINISH NEW WINDOW CASING WITH PT-02

FINISH LEGEND

	T-1	152mm x 152mm QUARRY TILE MANUFACTURER: DAL TILE SERIES: QUARRY TILE COLOUR/FINISH: ARID GRAY- 0Q42 (2) GROUT: FLEXITILE- PEWTER GRAY-688 588
	T-2	203mm x 1219mm WALL TILE MANUFACTURER: DAL TILE SERIES: SEASON WOOD COLOUR/FINISH: WEATHERED ORCHARD GRAY- SW01 GROUT TO BE FLEXITILE- BONE-612 512
	T-3	305mm x 610mm WALL & CEILING TILE MANUFACTURER: DAL TILE SERIES: NEXT EG1 COLOUR/FINISH: FIELD TILE FARRINGTON- J100- POLISHED WALL GROUT TO BE FLEXITILE- BONE-612 512 CEILING GROUT TO BE FLEXITILE- SNOW WHITE-651 551
	SSC-1	SOLID SURFACE CORIAN MANUFACTURER: DUPONT SERIES: TERRA COLLECTION COLOUR/FINISH: PLATINUM
	PT-01	CEILING PAINT MANUFACTURER: SHERWIN WILLIAMS COLOUR/FINISH: EXTRA WHITE SW7006
	PT-02	DOOR & TRIM PAINT MANUFACTURER: SHERWIN WILLIAMS COLOUR/FINISH: GAUNTLET GRAY

WASHROOM FIXTURES									
Type Mark	Count	Description	Manufacturer	Model	Contractor Installed	Contractor Supplied	Owner Installed	Owner Supplied	Comments
BNC-1	2	REVERSIBLE SOLID PHENOLIC FOLDING SHOWER SEAT	BOBRICK	B-5181	•	•			
CH-1	14	SURFACE MOUNTED HAT & COAT HOOK	BOBRICK	B-682	•	•			CENTER MOUNTED TO INSIDE FACE OF WASHROOM PARTITION DOORS U.N.O
CS-1	2	KB200-00 SURFACE MOUNTED BABY CHANGING STATION	BOBRICK	KB200-00	•	•			
GB-1	2	STAINLESS STEEL 762X762MM (30"X 30") 90 DEGREE GRAB BAR	BOBRICK	B-5889.99	•	•			32mm (1-1/4") Diameter
GB-2	2	STAINLESS STEEL 610mm (24") GRAB BARS	BOBRICK	B-6806.99x24"	•	•			
GB-3	2	STAINLESS STEEL 762X1000MM (30"X 39") 90 DEGREE GRAB BAR	BOBRICK	B-5889.99	•	•			32mm (1-1/4") Diameter
HD-1	4	AUTOMATIC SENSOR HAND DRYER	N/A	N/A			•	•	COORDINATE INSTALLATION WITH PROJECT MANAGER
JS-1	1	MOP SINK					•	•	COORDINATE INSTALLATION WITH PROJECT MANAGER
LAV-1	8	UNDERMOUNT LAVATORY					•	•	COORDINATE INSTALLATION WITH PROJECT MANAGER
MH-1	1	BOBRICK B-224 UTILITY SHELF WITH RAG HOOKS AND BROOM HOLDERS	BOBRICK	B-224	•	•			
MR-1	10	6.35mm (1/4") SILVERED FLOAT GLASS			•	•			
PS-1	2	STAINLESS STEEL SHELF, SURFACE MOUNTED	BOBRICK	B-683	•	•			
SB-1	10	STANDARD SHOWER BASE PRECAST TERRAZZO			•	•			914 x 914 x 152 mm (36" x 36" x 6")- REFER TO MECHANICAL DRAWINGS
SB-2	2	WHEEL CHAIR ACCESSIBLE SHOWER BASE PRECAST TERRAZZO			•	•			914 x 1500 x 152 mm (36" x 60" x 6")- REFER TO MECHANICAL DRAWINGS
SC-1	10	BREAK AWAY SHOWER CURTAIN ROD AND HOOKS	BOBRICK	B-6047x915	•	•			
SC-2	2	BREAK AWAY BARRIER FREE SHOWER ROD AND HOOKS	BOBRICK	B-6047x1830	•	•			
SD-1	8	BREAK AWAY BARRIER FREE SHOWER CURTAIN	BOBRICK	B-822	•	•			
SN-1	2	LAVATORY MOUNTED SOAP DISPENSER	BOBRICK	B-270	•	•			
SS-1	10	SMALL STAINLESS STEEL SHOWER CORNER CADDY	DELTA FAUCET COMPANY	47000-ST	•	•			
TD-1	4	SURFACE MOUNTED DOUBLE TOILET TISSUE DISPENSER	BOBRICK	B-2760	•			•	COORDINATE WITH PROJECT MANAGER
WC-1	4	WALL HUNG ELONGATED WATER CLOSET					•	•	COORDINATE INSTALLATION WITH PROJECT MANAGER
WPT-1	10	CLASS B FIRE-RESISTANT SOLID PLASTIC PARTITIONS, SCREENS AND DOORS	HADRIAN	HEADRAIL BRACED-FINISH 239 GRAY	•	•			CONSTRUCTED WITH GAP FREE PRIVACY HARDWARE OPTION. DOOR HARDWARE BY SUPPLIER.
WPT-2	2	CLASS B FIRE-RESISTANT SOLID PLASTIC PARTITIONS, SCREENS AND DOORS	HADRIAN	HEADRAIL BRACED-FINISH 239 GRAY	•	•			CONSTRUCTED WITH GAP FREE PRIVACY HARDWARE OPTION. DOOR HARDWARE BY SUPPLIER.
WPT-3	2	CLASS B FIRE-RESISTANT SOLID PLASTIC PARTITIONS, SCREENS AND DOORS	HADRIAN	HEADRAIL BRACED-FINISH 239 GRAY	•	•			CONSTRUCTED WITH GAP FREE PRIVACY HARDWARE OPTION. DOOR HARDWARE BY SUPPLIER. ENSURE B.F COMPLIANT
WR-1	2	TRIMLINESERIES™ RECESSED WASTE RECEPTACLE WITH DISPOSAL DOOR	BOBRICK	B-35633	•	•			
WS-1	1	305mm x 762mm WALL MOUNTED WIRE SHELF			•	•			



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Lake Louise Campground – Tent Side Shower
Building Renovation

131 Fairview Dr., Improvement District No. 9,
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T0L

Title

FINISH & EQUIPMENT PLAN

Project No. 113678159	Scale As indicated
Revision 4	Drawing No. A200

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Lake Louise Campground – Tent Side Shower
Building Renovation

131 Fairview Dr, Improvement District No. 9,
Lake Louise, Alberta
T0L

Title
ELEVATIONS

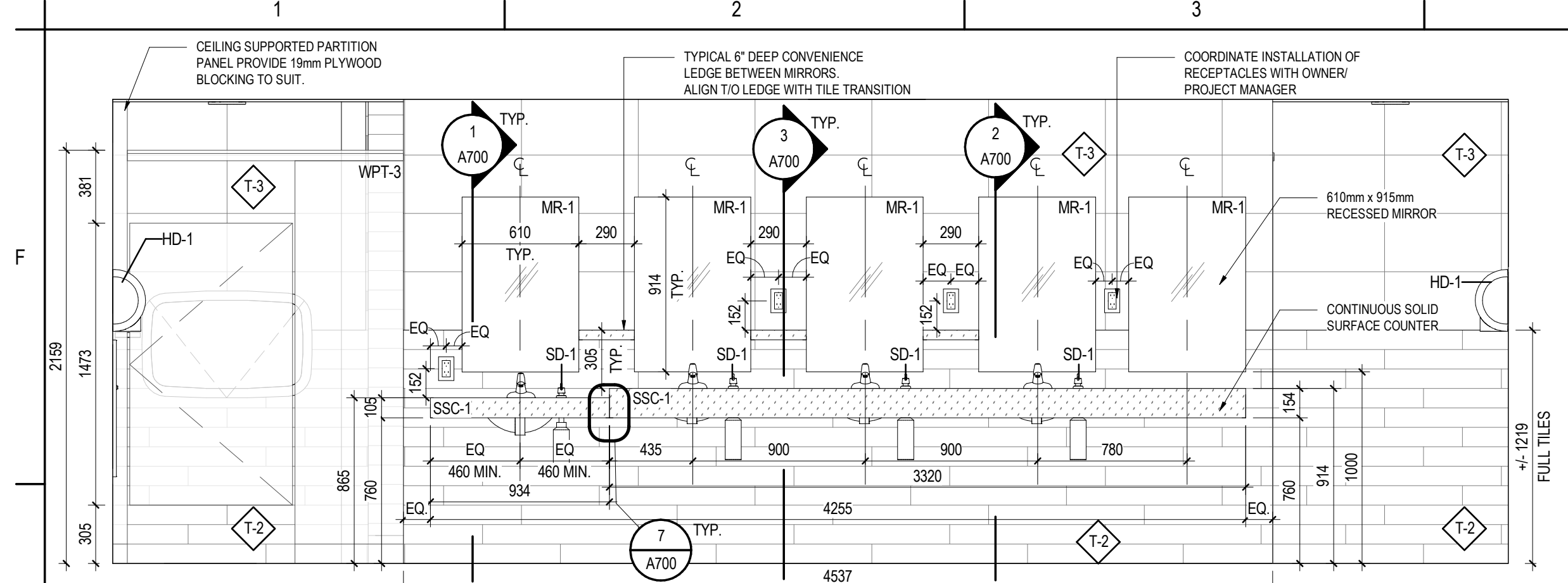
Project No.
113678159

Revision
4

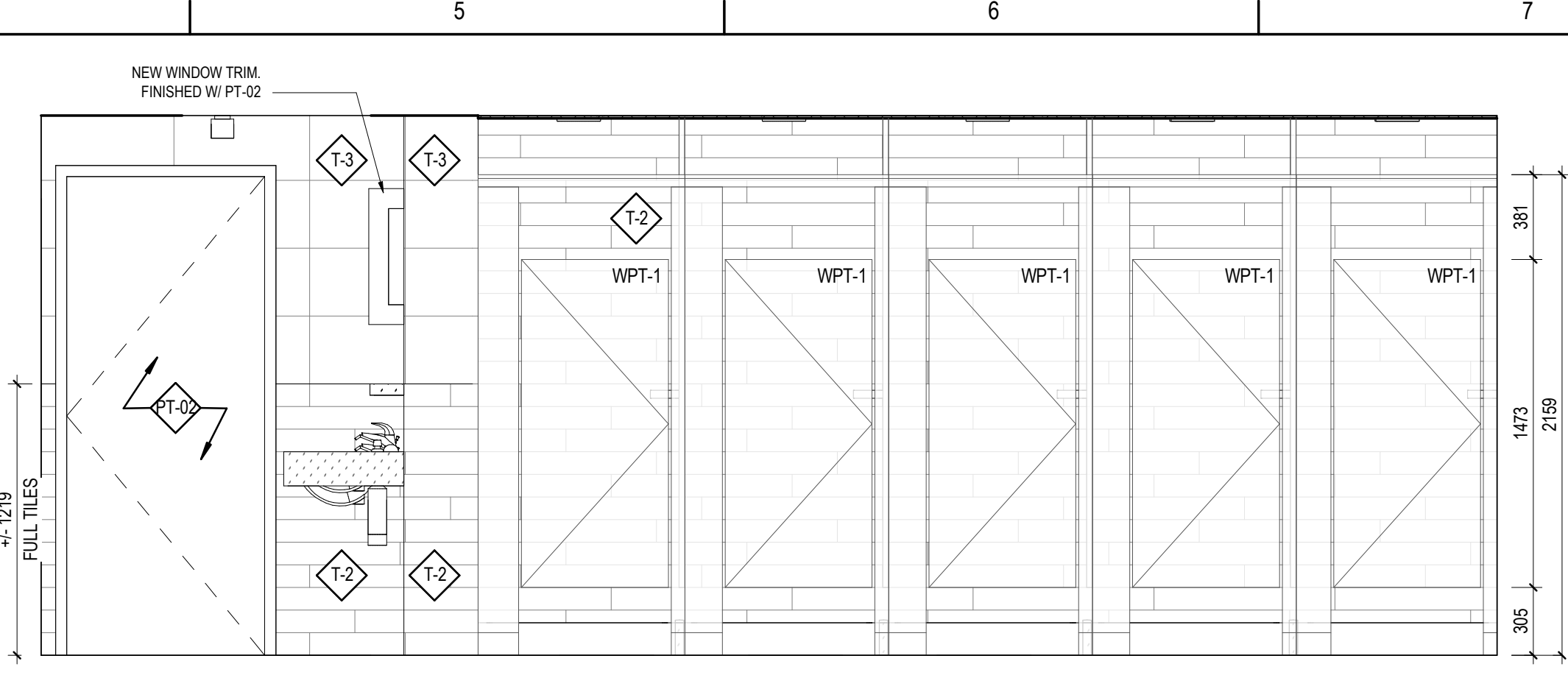
Scale
As indicated

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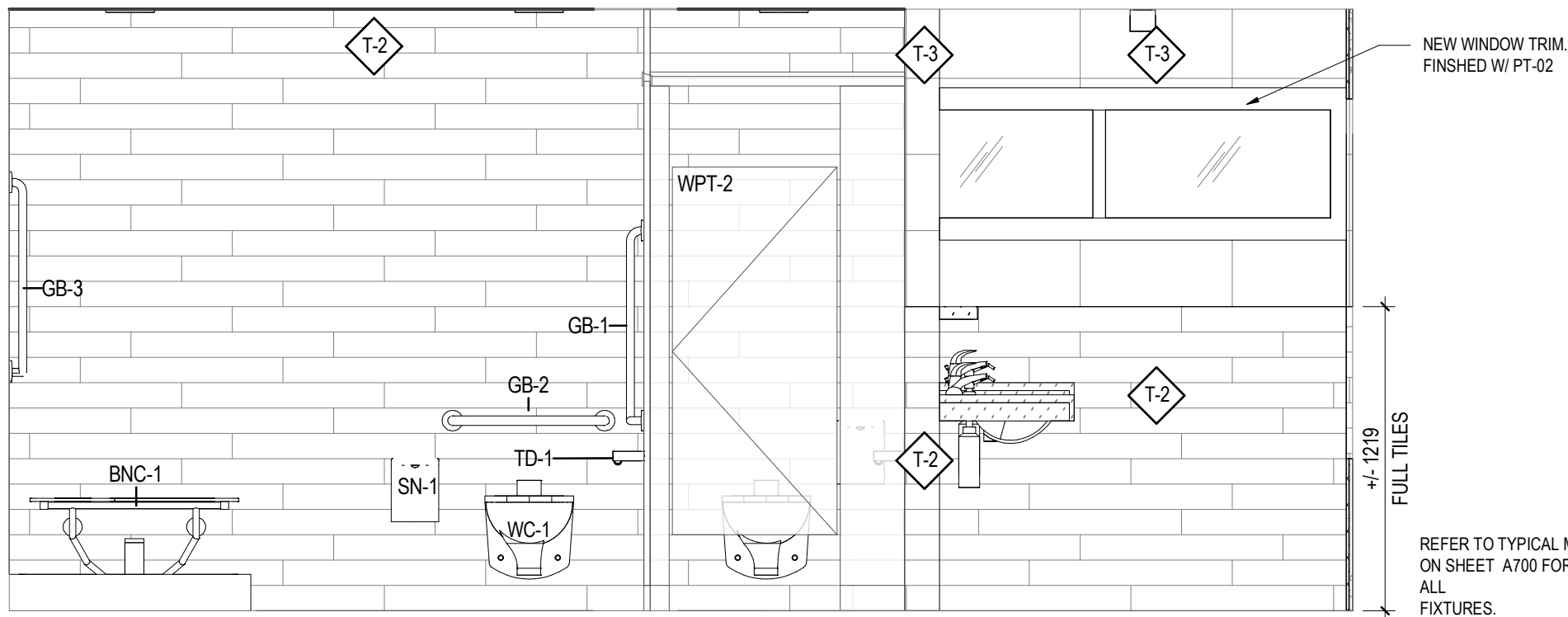
A400



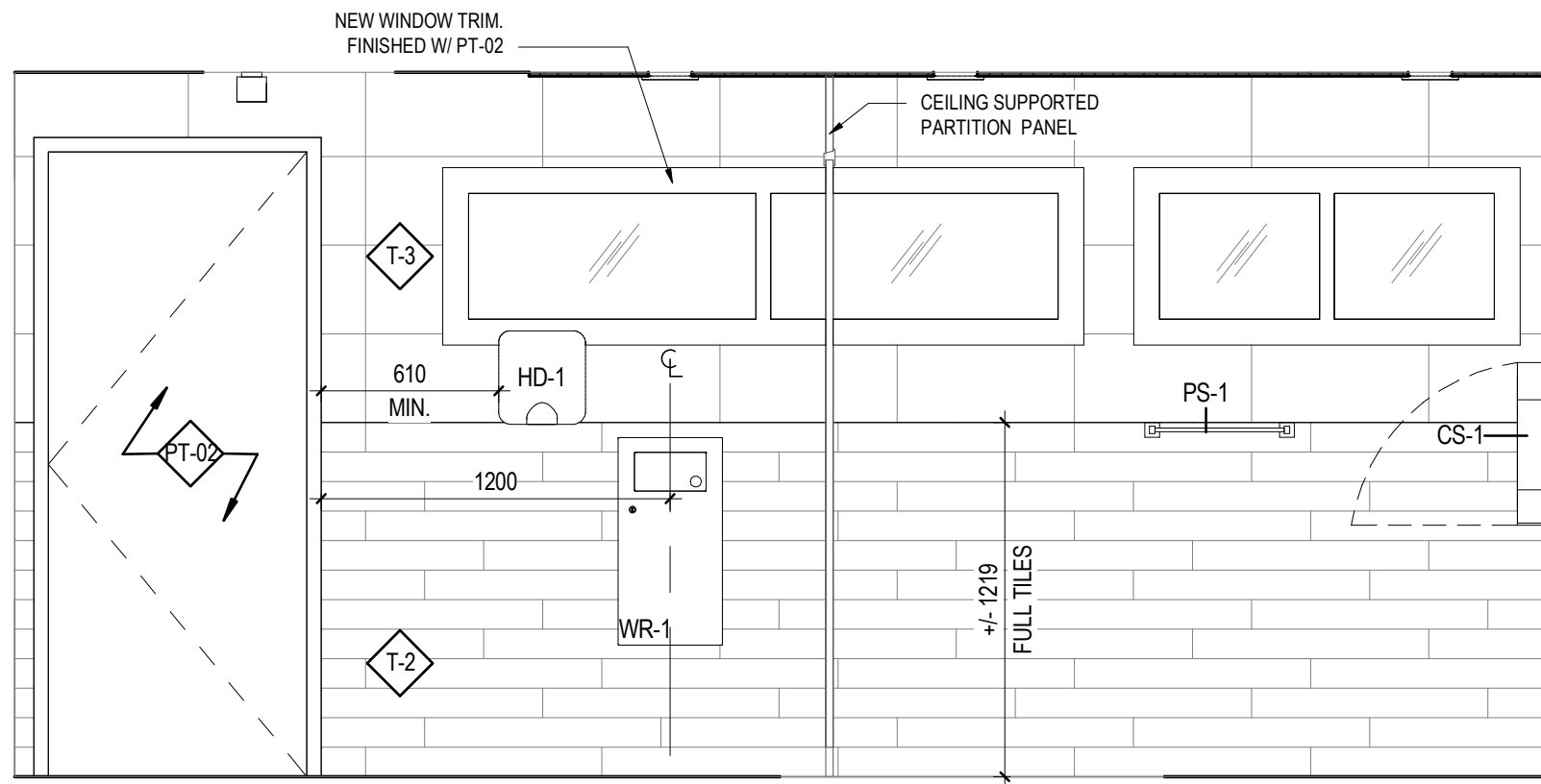
1 FEMALE WASHROOM- INTERIOR ELEVATION- WASH BASIN
A400 1:25



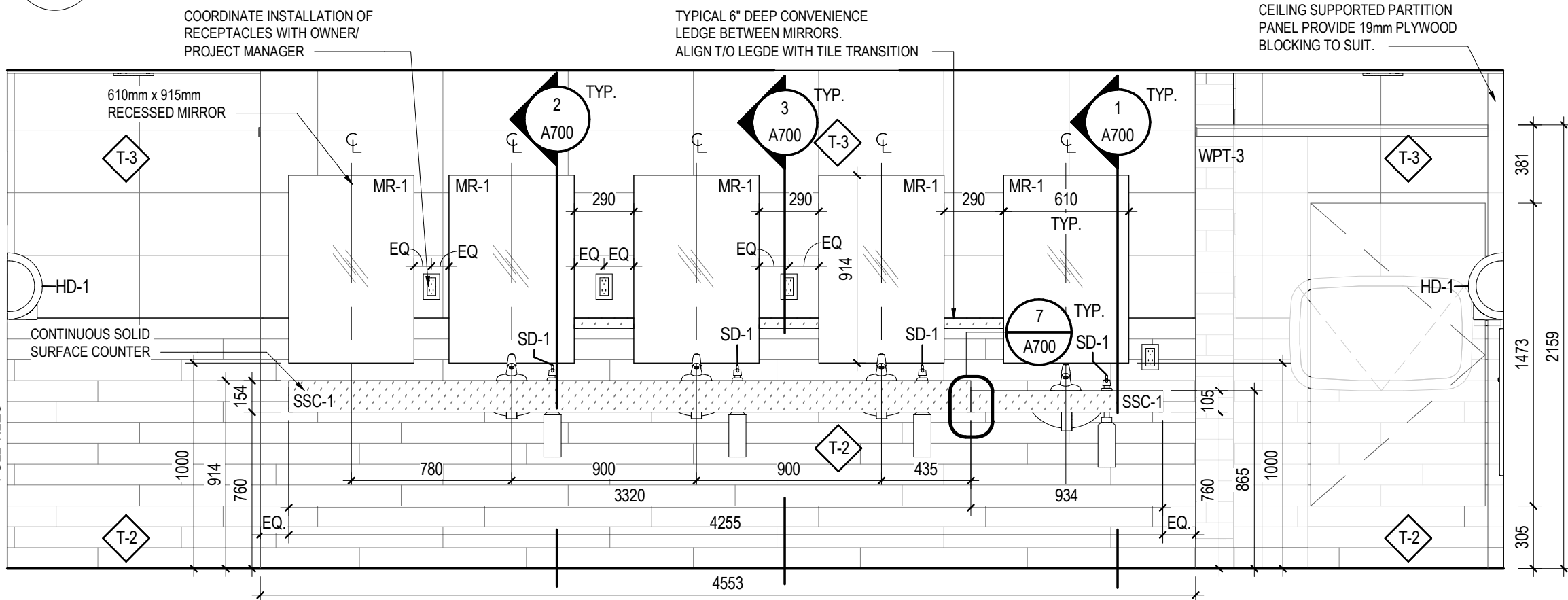
2 FEMALE WASHROOM- ELEVATION- SHOWERS
A400 1:25



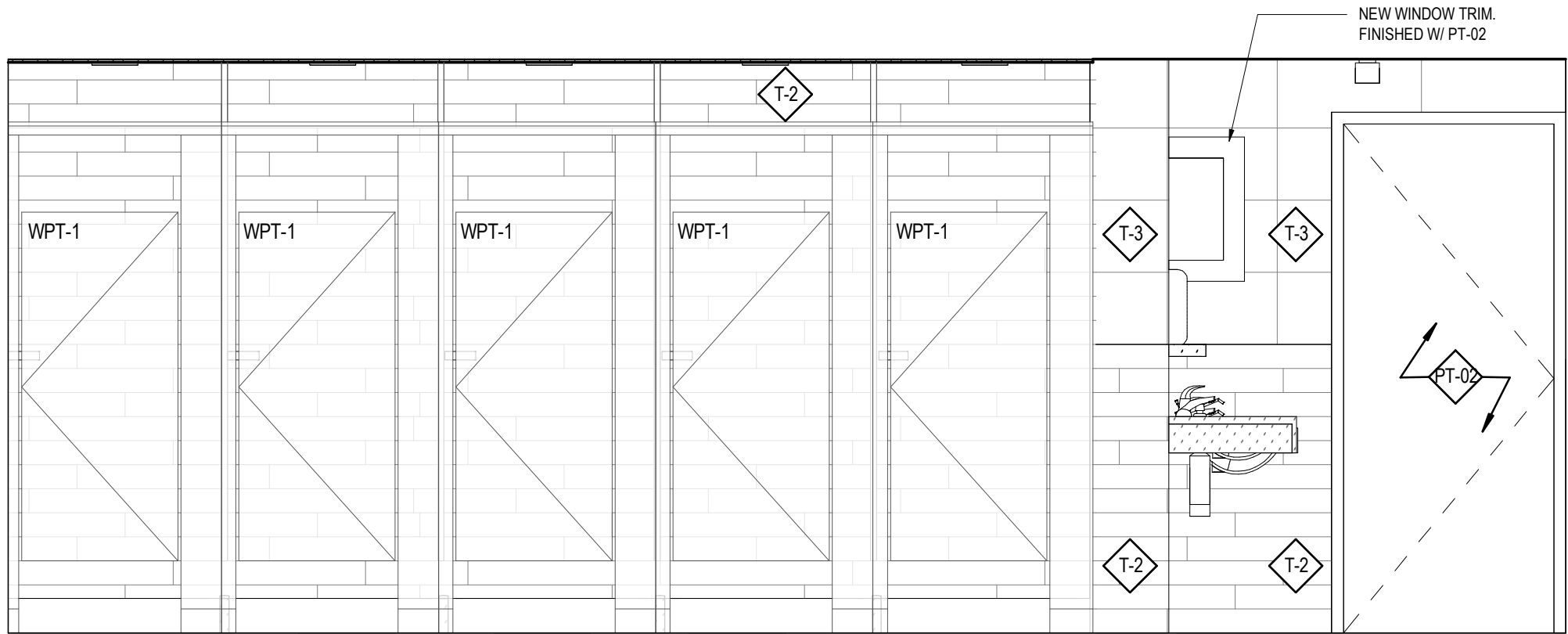
3 FEMALE WASHROOM- INTERIOR ELEVATION- WATER CLOSETS
A400 1:25



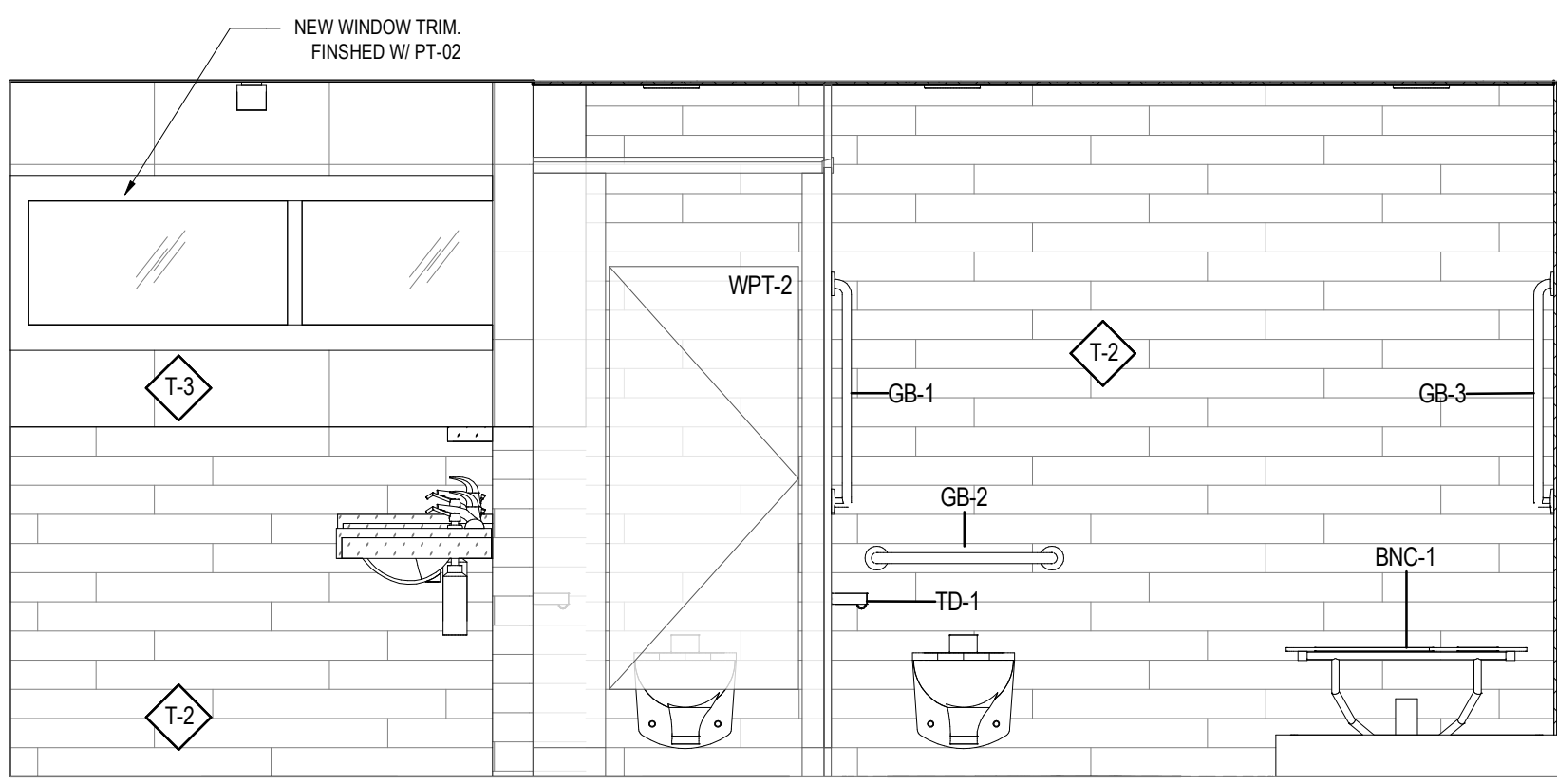
4 FEMALE WASHROOM- ENTRY
A400 1:25



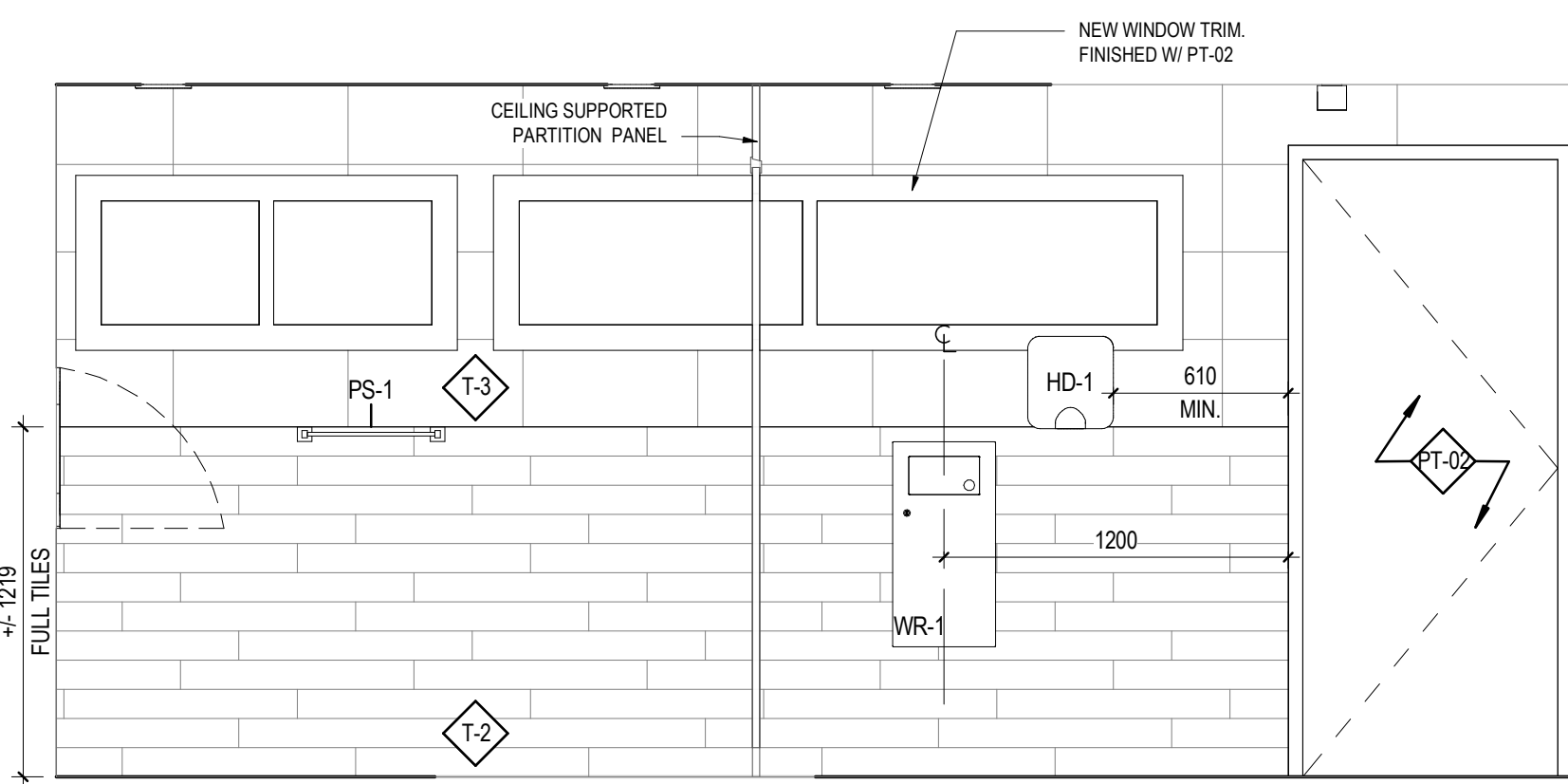
5 MALE WASHROOM- INTERIOR ELEVATION- WASH BASIN
A400 1:25



6 MALE WASHROOM- ELEVATION- SHOWERS
A400 1:25



7 MALE WASHROOM- INTERIOR ELEVATION- WATER CLOSETS
A400 1:25



8 MALE WASHROOM- ENTRY
A400 1:25

FINISH LEGEND

T-1	152mm x 152mm QUARRY TILE MANUFACTURER: DALTILE SERIES: QUARRY TILE COLOUR/FINISH: ARID GRAY- 0042 (2) GROUT: FLEXITILE- PEWTER GRAY-688 588
T-2	203mm x 1219mm WALL TILE MANUFACTURER: DALTILE SERIES: SEASON WOOD COLOUR/FINISH: WEATHERED ORCHARD GRAY- SW01 GROUT TO BE FLEXITILE- BONE-612 512
T-3	305mm x 610mm WALL & CEILING TILE MANUFACTURER: DALTILE SERIES: NEXT EC1 COLOUR/FINISH: FIELD TILE FARRINGTON- J100- POLISHED WALL GROUT TO BE FLEXITILE- BONE-612 512 CEILING GROUT TO BE FLEXITILE- SNOW WHITE-651 551
SSC-1	SOLID SURFACE CORIAN MANUFACTURER: DUPONT SERIES: TERRA COLLECTION COLOUR/FINISH: PLATINUM
PT-02	CEILING PAINT MANUFACTURER: SHERWIN WILLIAMS COLOUR/FINISH: EXTRA WHITE SW7006
PT-02	DOOR & TRIM PAINT MANUFACTURER: SHERWIN WILLIAMS COLOUR/FINISH: GAUNTLET GRAY

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Notes

4	ISSUED FOR TENDER	DG	SS	2017.12.15
3	ISSUED FOR 80% REVIEW	DG	SS	2017.12.06
2	ISSUED TO COST CONSULTANT	DG	SS	2017.12.05
1	ISSUED FOR 50% REVIEW	DG	SS	2017.11.17
Issued		By	Appd	YYYY.MM.DD

PACKAGE A		By	Appd	YYYY.MM.DD
File Name: N/A	Author	Designer	Checker	10/24/17
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo



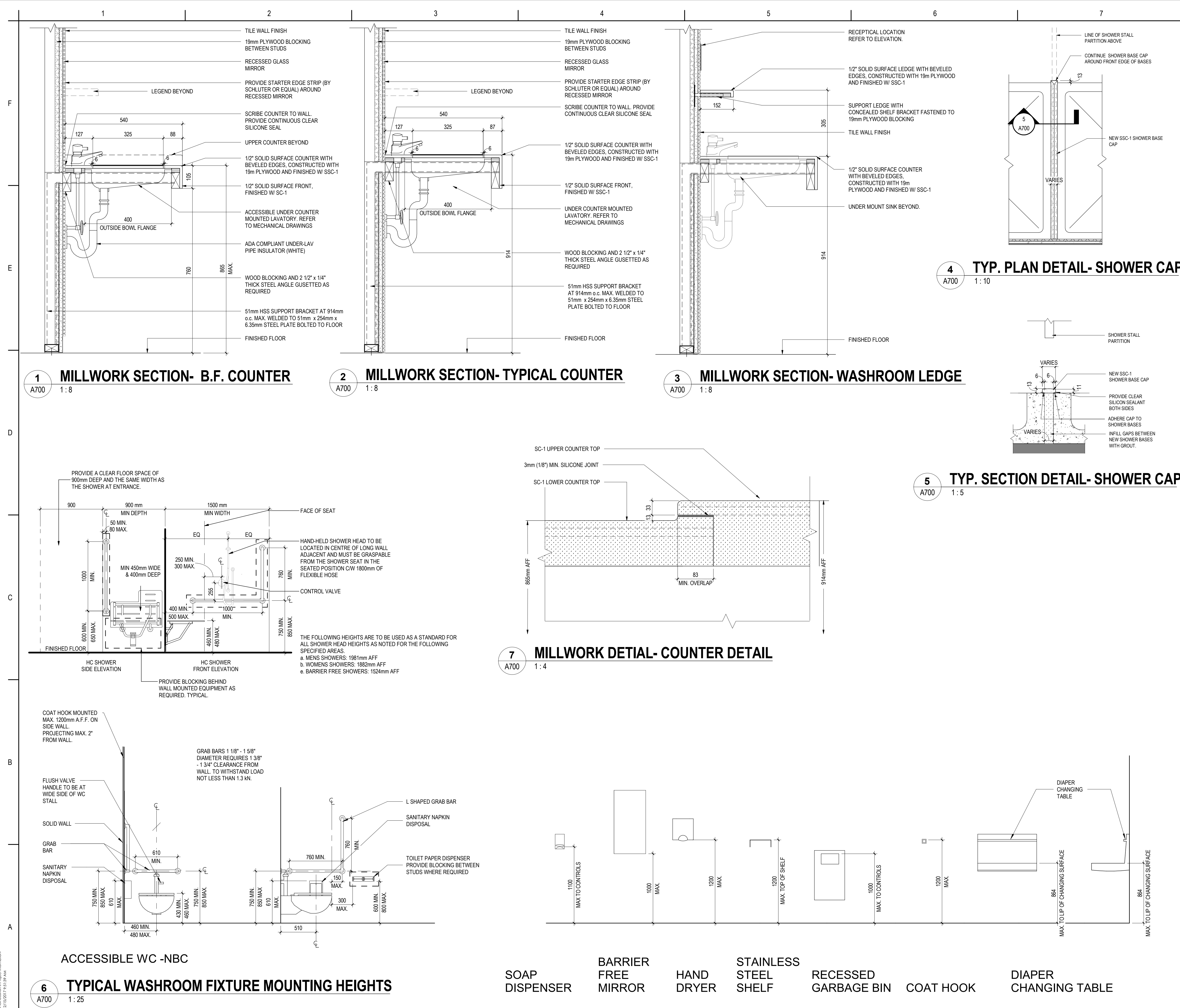
Client/Project
Parks Canada / Government of Canada

Lake Louise Campground – Tent Side Shower
Building Renovation

131 Fairview Dr, Improvement District No. 9,
Lake Louise, Alberta
T0L

Title
TYPICAL DETAILS

Project No. 113678159	Scale As indicated
Revision 4	Drawing No. A700



1

2

3

4

5

6

7

F

E

D

C

B

A

####

RECTORIAL DUCT

#####

EXTERIOR DUCT INSULATION

###0

ROUND DUCT

SQUARE ELBOW TURN
(S/A & O/A - UP/DOWN)

SQUARE ELBOW TURN
(R/A & T/A - UP/DOWN)

SQUARE ELBOW TURN
(E/A & R/E/A - UP/DOWN)

ELBOW, ROUND, SMOOTH RADIUS
(UP/DOWN)

TEE, 45 DEG. RECTANGULAR MAIN
AND BRANCH

TEE, 45 DEG. RECTANGULAR
MAIN AND BRANCH, SQUARE TO
ROUND

TEE, 45 DEG. ROUND MAIN AND
BRANCH

CONICAL WYE, 45 DEG., ROUND
MAIN AND BRANCH

ELBOW, RECTANGULAR, SMOOTH
RADIUS WITH SPLITTER VANES
(0.25 R/W DEFAULT)

ELBOW, RECTANGULAR, SMOOTH
RADIUS WITHOUT VANES
(1.5 R/W DEFAULT)

ELBOW, ROUND, SMOOTH RADIUS
(1.5 R/W DEFAULT)

ELBOW, RECTANGULAR, MITERED
WITH TURNING VANES

ELBOWS, 90 DEG., RECTANGULAR
TEE

ELBOW, 90 DEG., RECTANGULAR
WYE

45 DEG. WYE, CONICAL MAIN AND
BRANCH, ROUND

TRANSITION, RECTANGULAR,
PYRAMIDAL (30° CONTRACTUAL ANGLE
DEFAULT)

TRANSITION, RECTANGULAR, SIDE
(30° CONTRACTUAL ANGLE
DEFAULT)

FLEX DUCT (DOUBLE LINE)

THERMOSTAT WITH GUARD

CONTROL WIRE

CEILING DIFFUSER

RETURN/EXHAUST AIR GRILLE

AIR FLOW ARROWS

AIR OUTLET TAG
(REFER TO SCHEDULE)

EQUIPMENT TAG
(REFER TO SCHEDULE)

MECHANICAL EQUIPMENT ABBREVIATIONS:

FURN-*** FURNACE

HRV-*** HEAT RECOVERY VENTILATOR

AIR TERMINAL ABBREVIATIONS:

E-* EXHAUST AIR GRILLE

S-* SUPPLY AIR GRILLE/DIFFUSER

DRAWING LIST

NO.

DRAWING NAME

M001 MECHANICAL LEGEND, SCHEDULES, DETAILS AND DRAWING LIST

M100 MECHANICAL PLANS

M200 MECHANICAL SPECIFICATIONS

AIR TERMINAL SCHEDULE

TAG No.

MANUFACTURER

MODEL

DESCRIPTION

E-1 E.H. PRICE 80 15mm ALUMINUM GRID FRAME TO MATCH CEILING TYPE (TYPE TB IN T-BAR CEILINGS & F ON DRYWALL CEILINGS). FINISH B12 FOR INDOOR APPLICATIONS AND FINISH AC FOR OUTDOOR APPLICATIONS.

S-1 E.H. PRICE 510 LOUVERED FACE SUPPLY; SINGLE DEFLECTION; ALUMINUM CONSTRUCTION, 19mm BLADE SPACING.

FURNACE SCHEDULE

TAG No.

MANUFACTURER

MODEL

SERVICE

FUEL TYPE

AIR

CAPACITY (L/s)

EXT. STATIC PRESS. (Pa)

MOTOR

POWER (kW)

V/Ph/Hz

ECM MOTOR (Y/N)

INPUT CAPACITY (kW)

OUTPUT CAPACITY (kW)

TEMP. RISE (°C)

AFUE

THERMAL EFF. (%)

NOTES

FURN-1 LENNOX EL195UH045XE24B MALE WR 101 / FEMALE WR 102 PROPANE 404 87 0.37 120/1/60 Yes 12.9 12.3 35 95 95 UNIT TO BE MOUNTED ON STEEL STAND PROVIDED AND CONSTRUCTED BY GENERAL CONTRACTOR C/W CONSTANT TORQUE ECM BLOWER, COMFORTSENSE 7500 PROGRAMMABLE TSTAT 13H14 INTERLOCKED TO SPACE SENSOR AND OCCUPANCY SENSORS; MATCHING 50mm CONCENTRIC VENT KIT 44W93, LPG/PROPANE KIT, HIGH ALTITUDE KIT; RETURN AIR FILTER BOX; ACID NEUTRALIZATION KIT

HEAT RECOVERY VENTILATOR SCHEDULE

TAG No.

LOCATION

MANUFACTURER

MODEL

SUPPLY

CAPACITY (L/S)

RPM

ESP (Pa)

MOTOR (kW)

EAT DB (°C)

LAT DB (°C)

EXHAUST

CAPACITY (L/S)

ESP (Pa)

RPM

MOTOR (kW)

EAT DB (°C)

LAT DB (°C)

ELECTRICAL

VOLTAGE (V)

PHASE (Φ)

NOTES

HRV-1 MECHANICAL ROOM 100 AIRFLOW AIR850-F 402 1625 75 186 -6.7 16.4 402 75 1625 186 22.2 -6.7 120 1 C/W 99-500 3 SPEED CONTROL SETTINGS. UNIT TO BE HUNG FROM CEILING AS HIGH AS POSSIBLE WITH THREADED SUSPENDED RODS AND "U" CHANNEL MEMBERS. HRV OPERATION TO BE INTERLOCKED WITH FURNACE OPERATION.

ELECTRIC DUCT HEATER SCHEDULE

TAG No.

MANUFACTURER

MODEL No.

AIR FLOW (L/s)

HEATING CAPACITY (kW)

DUCT HEIGHT (mm)

DUCT WIDTH (mm)

V/Ph/Hz

NOTES

EDH-1 GREENHECK IDHC 404 2.8 500 200 120/1/60 SCR HEATER CONTROL C/W DUCT THERMOSTAT TO PREHEAT OUTDOOR AIR; SET DISCHARGE AIR TO 0°C.

Client/Project Logo

Client/Project

Parks Canada

Lake Louise Campground - Tent Side Shower Building Renovation

Title

MECHANICAL LEGEND, SCHEDULES, DETAILS AND DRAWING LIST

Project No.

113678159

Revision

Scale

N.T.S.

Drawing No.

M001

Stantec

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200-325 25 Street SE
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Notes

Revision

By

Appd

YYYY.MM.DD

ISSUED FOR TENDER

ST

ST

2017/12/15

ISSUED FOR 80% REVIEW

ST

ST

2017/12/06

ISSUED FOR CLIENT REVIEW

ST

ST

2017/11/22

Issued

By

Appd

YYYY.MM.DD

File Name: N/A

Author

Designer

Checker

11/10/17

Dwn.

Dsgn.

Chkd.

YYYY.MM.DD

Permit/Seal

PROFESSIONAL ENGINEER ALBERTA

PERMIT TO PRACTICE
STANTEC CONSULTING LTD.

Signature

Date

Dec 15, 2017

PERMIT NUMBER: P 0258

The Association of Professional Engineers,
Geologists and Geophysicists of Alberta

December 15, 2017

Client/Project Logo

Client/Project

Parks Canada

Lake Louise Campground - Tent Side Shower Building Renovation

Title

MECHANICAL LEGEND, SCHEDULES, DETAILS AND DRAWING LIST

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Notes



1. INSTALL DUCTWORK AS HIGH AS POSSIBLE TO UNDERSIDE OF STRUCTURE. DUCTWORK RUNNING IN WASHROOM AREAS TO BE LOCATED ABOVE NEW CEILING IN ATTIC SPACE.
2. ALL EQUIPMENT AND DUCTWORK LOCATIONS TO BE FIELD-FIT AND COORDINATED WITH NEW AND EXISTING EQUIPMENT.
3. ALL DUCTWORK TO BE PROVIDED WITH EXTERIOR INSULATION.
4. ALL WIRING TO MECHANICAL EQUIPMENT AND CONTROLS TO BE COORDINATED WITH PARKS CANADA PROJECT MANAGER.

- 1 NEW FURNACE FURN-1 TO BE MOUNTED ON STEEL STAND SUPPLIED AND CONSTRUCTED BY GENERAL CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS.
- 2 CONNECT NEW DOMESTIC WATER HEATERS FLUES TO EXISTING SPACE FLUERING ON ROOF. PROVIDE NEW PROPANE CONNECTIONS TO DOMESTIC WATER HEATERS C/W PLUG VALVE AND DRIP LEG.
- 3 RETURN AIR TO REUSE EXISTING 800x200 OPENING IN MECHANICAL ROOM WALL AND EXISTING 600x300 EXTERIOR OPENING ON UNDERSIDE OF SOFFIT.
- 4 NEW GRILLE TO BE PROVIDED FOR EXISTING 600x400 EXTERIOR OPENING.
- 5 EXISTING CEILING DUCT PENETRATION AND DUCTWORK FROM ATTIC SPACE TO BE DEUSED AND ROUTED TO PROVIDE COMBUSTION AIR TO MECHANICAL ROOM.
- 6 500x200 OUTSIDE AIR INTAKE FOR HRV-1 TO BE PROVIDED FROM ATTIC SPACE. OUTSIDE AIR PROVIDED BY EXISTING LOUVER IN ATTIC SPACE.
- 7 SPACE TEMPERATURE SENSOR C/W LOCKABLE GUARD.
- 8 PROVIDE FLEX DUCT CONNECTIONS TO HRV-1. PROVIDE DRAINAGE CONNECTIONS AS PER MANUFACTURER INSTRUCTIONS.
- 9 PROVIDE NEW 500 CONCENTRIC VENT FOR NEW CONDENSING FURNACE FURN-1 TERMINATING AT ROOF. INSTALL AS PER MANUFACTURER INSTRUCTIONS.
- 10 FURNACE TO BE TIED TO SPACE OCCUPANCY SENSORS AND SPACE TEMPERATURE SENSOR. FURNACE TO OPERATE WHEN SPACE IS OCCUPIED OR TEMPERATURE FALLS BELOW SETPOINT. FURNACE OPERATION TO BE INTERLOCKED WITH HRV OPERATION.
- 11 CONDENSATE TO RUN TO COLD NEUTRALIZATION KIT AND DRAIN TO NEAREST FLOOR DRAIN. PROVIDE NEW PROPANE CONNECTION TO FURNACE C/W PLUG VALVE AND DRIP LEG.
- 12 NEW 500x200 SLIP-ON MOUNTED ELECTRIC DUCT HEATER EDH-1 C/W DUCT THERMOSTAT TO BE INSTALLED IN HORIZONTAL SECTION OF OUTDOOR AIR INTAKE DUCT TO PREHEAT OUTDOOR AIR TO 0°C.

File Name: N/A	Author	Designer	Checker	11/10/17
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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STANTEC CONSULTING LTD.
Signature JH
Date DEC 15, 2017
PERMIT NUMBER: P 0258
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Revision _____ Drawing No. _____

M100

