

**ABBREVIATIONS**

AB ANCHOR BOLT	L ANGLE; LENGTH
AC, A/C AIR CONDITIONING	LF LEFT
ACCU AIR CONDITIONING CONDENSER UNIT	LL LINO LEUM
ACPLAS ACOUSTIC PLASTER	LLH LONG LEG HORIZONTAL
ACT ACOUSTIC CEILING TILE	LLV LONG LEG VERTICAL
AFF ABOVE FINISHED FLOOR	LP LIGHTING PANEL; LIQUIFIED PROPANE
AGG AGGREGATE	MAX MAXIMUM
ALT ALTERNATE	MB MARKER BOARD
AP ACCESS PANEL	MDO MEDIUM DENSITY OVERLAY
APROX APPROXIMATE	MECH MECHANICAL
ARCH ARCHITECTURAL	MFR MANUFACTURER
BCX BOTTOM CHORD EXTENSION	MIN MINIMUM
BD BOARD	MIS MISC
BIT BITUMINOUS	MIS MISC
BLDG BUILDING	MOS MASONRY OPENING
BLP BORROWED LIGHT PANEL	MR MOISTURE-RESISTANT
BO BOTTOM OF	MUA MAKE-UP AIR
BOF BOTTOM OF FOOTING	N NOSING
BOS BOTTOM OF STEEL	NCB NEW CATCH BASIN
BOT BOTTOM	NDM NEW DRAIN MANHOLE
BRDG BRIDGING	NFM NEW FORCE MAIN
BRG BEARING	NIC NOT IN CONTRACT
BS BOTH SIDES	NSD NEW STORM DRAIN LINE
BSE BRICK SHELF ELEVATION	NSS NEW SANITARY SEWER LINE
C CHANNEL	NTS NOT TO SCALE
CB CATCH BASIN; CHALKBOARD	NW NEW WATER LINE
CEM CEMENTITIOUS BACKER BOARD	OC ON CENTER
CFM CUBIC FEET PER MINUTE	OF OUTSIDE FACE
CIP CAST IN PLACE	OH OVERHEAD
CJ CONTROL JOINT; CONSTRUCTION JOINT	PA PUBLIC ADDRESS
CL CENTER LINE	PAF POWDER-ACTUATED FASTENER
CLL CONTRACT LIMIT LINE	PDU POOL DEHUMIDIFICATION UNIT
CLR CLEAR	PL PLATE; PROPERTY LINE
CMU CONCRETE MASONRY UNIT	PLM PLASTIC LAMINATE
COL COLUMN	PLF POUNDS PER LINEAR FOOT
CONC CONCRETE	PP POWER PANEL
CONT CONTINUOUS	PSF POUNDS PER SQUARE FOOT
CT CERAMIC TILE	PSI POUNDS PER SQUARE INCH
CUH CABINET UNIT HEATER	PT PRESSURE-TREATED POLYVINYL CHLORIDE PAVEMENT
D DIAMETER	R RISER; RADIUS
DBL DOUBLE	RB RESILIENT BASE
DF DRINKING FOUNTAIN	RD ROOF DRAIN
DL DEAD LOAD	REINFORCED REQUIRED
DR DISPLAY RAIL	RT RIGHT
DTL DETAIL	RO ROUGH OPENING
DW DISHWASHER	ROW RIGHT OF WAY
DWG DRAWING	RR RUB-RAIL
EA EACH	RTU ROOFTOP UNIT (HVAC)
EF EXHAUST FAN; EACH FACE	SACT SUSPENDED ACOUSTIC CEILING TILE
EJ EXPANSION JOINT	SC SOLID CORE
EL ELEVATION	SF SQUARE FOOT; SUPPLY FAN
ELEC ELECTRICAL	SHT SHEET
EOP EDGE OF PAVEMENT	SK SIMILAR
EPDM ETHYLENE PROPYLENE DIENE MONOMER	SK SHEAR KEY
EQ EQUAL	SN SANITARY NAPKIN (DISPENSER)
EW EACH WAY	SS SPECIAL
EWC ELECTRIC WATER COOLER	SS STAINLESS STEEL
EXIST EXISTING	STA STATION
EXP EXPANSION	STL STEEL
EXT EXTERIOR	STRUC STRUCTURAL
F.R.P. FABRICATED FIBERGLASS REINFORCED PLASTIC	T TREAD
FB FLAT BAR	TB TACKBOARD
FBO FURNISHED BY OTHERS	T&B TOP AND BOTTOM
FCO FLOOR CLEAN-OUT	TBM TEMPORARY BENCHMARK
FD FLOOR DRAIN	TCE TOP CHORD EXTENSION
FE FIRE EXTINGUISHER	TJ TIE JOIST
FF FINISHED FLOOR; FAR FACE	TO TOP OF
FFE FINISHED FLOOR ELEVATION	TOC TOP OF CONCRETE
FO FRAMED OPENING	TOF TOP OF FOOTING
FRP FIBERGLASS REINFORCED PLASTIC	TOM TOP OF MASONRY
FS FAR SIDE	TOP TOP OF PIER
FTG FOOTING	TOS TOP OF STEEL; TOP OF SLAB
GA GAUGE	TOW TOP OF WALL
GALV GALVANIZED	TP TOILET PAPER (DISPENSER); TEST PIT
GB GRAB BAR	TS TUBE STEEL
GC GENERAL CONTRACTOR	TYP TYPICAL
GDT GYPSUM DROP-IN TILE	UH UNIT HEATER
GV GRAVITY VENT	UNO UNLESS NOTED OTHERWISE
GWB GYPSUM WALL BOARD	V VENT PIPE; VERTICAL
H HORIZONTAL	VB VAPOR BARRIER
HC HANDICAPPED; HOLLOW CORE	VCT VINYL COMPOSITION TILE
HORIZ HORIZONTAL	VERT VERTICAL
HM HOLLOW METAL	VP VISION PANEL
HRU HEAT RECOVERY UNIT	VTR VENT THROUGH THE ROOF
H&V HEATING AND VENTILATING	W WITH
HVAC HEATING, VENTILATING AND AIR CONDITIONING	WC WATER CLOSER
I INCLUDED ANGLE	WF WIDE FLANGE
ID INSIDE DIAMETER	WH WATER HEATER
IF INSIDE FACE	WO WITHOUT
J ISOLATION JOINT	WP WORKING POINT
IMP IMPACT RESISTANT	WS WEB STIFFENER
INS INSULATED	WWF WELDED WIRE FABRIC
INV INVERT	
JS JOIST SUBSTITUTE	
K KIPS	

**PARTITION LEGEND**

S1 PARTITION: 3-5/8" METAL STUDS @ 16" O.C. TO DECK. (1) LAYER 5/8" GWB TO DECK EACH SIDE, BATT INSULATION.	
S2 PARTITION: 3-5/8" METAL STUDS @ 16" O.C. TO 6" ABOVE CEILING. (1) LAYER 5/8" GWB TO 6" ABOVE CEILING EACH SIDE, BATT INSULATION.	
S3 PARTITION: 3-5/8" METAL STUDS @ 16" O.C. TO 6" ABOVE CEILING. (1) LAYER 5/8" GWB TO 6" ABOVE CEILING EACH SIDE.	
S4 SMOKE PARTITION: SIMILAR TO S1 EXCEPT SEAL PERIMETER AND ALL PENETRATIONS W/ FIRESTOPPING SEALANT.	
S5 1 HOUR FIRE RATED PARTITION: UL DESIGN U419 20 GAGE 3-5/8"x1-1/4" FLOOR AND CEILING RUNNERS FASTENED @ 24" O.C. MAX. WITH 3-5/8"x1-5/8" 20 GAGE STUDS WITH 3/8" RETURNS SPACED 16" O.C. FASTEN (1) LAYER 5/8"x4" TYPE 'X' GWB TO BOTH SIDES OF STUDS & TRACKS WITH 1" TYPE S SELF TAPPING SCREWS AT 8" O.C. ALONG EDGES & 12" O.C. INFIELD. APPLY 2" PAPER JOINTS AND FINISH W/2 COATS OF JOINT COMPOUND, SEAL PERIMETER AND ALL PENETRATIONS W/ FIRESTOPPING SEALANT. BLANKET INSULATION IN STUD CAVITIES.	
S6 PARTITION: SIMILAR TO S1 EXCEPT (2) LAYERS 5/8" GWB TO DECK EACH SIDE.	
S7 SMOKE PARTITION: SIMILAR TO S4 EXCEPT (2) LAYERS 5/8" GWB TO DECK EACH SIDE.	
S8 1 HOUR FIRE RATED PARTITION: UL DESIGN U419: SIMILAR TO S5 EXCEPT (2) LAYERS 5/8" GWB TO DECK EACH SIDE.	
S9 PARTITION: 6" METAL STUDS @ 16" O.C. TO DECK. (1) LAYER 5/8" GWB TO DECK EACH SIDE. BATT INSULATION.	
S10 SMOKE PARTITION: SIMILAR TO S9 EXCEPT SEAL PERIMETER AND ALL PENETRATIONS W/ FIRESTOPPING SEALANT.	
S11 1 HOUR FIRE RATED PARTITION: UL DESIGN U419 20 GAGE 6"x1-1/4" FLOOR AND CEILING RUNNERS FASTENED @ 24" O.C. MAX. WITH 6"x1-5/8" 20 GAGE STUDS WITH 3/8" RETURNS SPACED 16" O.C. FASTEN (1) LAYER 5/8"x4" TYPE 'X' GWB TO BOTH SIDES OF STUDS & TRACKS WITH 1" TYPE S SELF TAPPING SCREWS AT 8" O.C. ALONG EDGES & 12" O.C. INFIELD. APPLY 2" PAPER JOINTS AND FINISH W/2 COATS OF JOINT COMPOUND, SEAL PERIMETER AND ALL PENETRATIONS W/ FIRESTOPPING SEALANT. BLANKET INSULATION IN STUD CAVITIES.	
S12 1 HOUR RATED SHAFT WALL: UL DESIGN U415-SYSTEM A 4" 22 GAGE 'J' SHAPED FLOOR AND CEILING RUNNERS ATTACHED TO STRUCTURAL SUPPORTS 2" (MAX) FROM EDGE AND 24" (MAX) O.C. 22 GAGE 4" 'C'-H SHAPED STUDS SPACED 24" O.C. (MAX). 1" GWB LINER PANELS INSERTED INTO 'H' SECTION OF 'C'-H STUDS, ATTACH TO LONG LEG OF 'J' SHAPE WITH 1-5/8" TYPE S SELF DRILLING, SELF TAPPING SCREWS 12" O.C. (MAX). FASTEN (1) LAYER 5/8" TYPE X GWB TO OUTER FACE OF 'C' PORTION OF 'C'-H STUDS WITH 1" TYPE S SELF TAPPING SCREWS AT 8" O.C. ALONG EDGES & 12" O.C. INFIELD. INSTALL BOARD WITH VERTICAL JOINTS STAGGERED. APPLY 2" PAPER JOINTS AND FINISH W/2 COATS OF JOINT COMPOUND. SEAL TIGHT TO STRUCTURE AND DECK. PROVIDE FULL THICKNESS BATT INSULATION IN PARTITION.	
S13 1 HOUR RATED SHAFT WALL: UL DESIGN U415-SYSTEM A SIMILAR TO S12 EXCEPT ADD (1) FINISH LAYER OF 5/8" GWB TAGGED SIDE.	
C1 CHASE WALL: 5/8" GWB TO DECK, 3-5/8" METAL STUDS TO DECK, 2 PIECES 24" HIGH GYPSUM PANEL BRACING, A SECOND ROW OF 3-5/8" METAL STUDS TO DECK, 5/8" GWB TO DECK. REFER TO ROOM FINISH SCHEDULE FOR APPLIED FINISHES SUCH AS TILE. PROVIDE SPECIFIED WALL FINISH SUBSTRATE IN PLACE OF GYPSUM BOARD WHERE TILE IS SCHEDULED.	
C2 SMOKE CHASE WALL: SIMILAR TO C1 EXCEPT SEAL PERIMETER AND ALL PENETRATIONS W/ FIRESTOPPING SEALANT.	
C3 1 HOUR FIRE RATED CHASE WALL: UL DESIGN 420 5/8" TYPE 'X' GWB TO DECK, 3-5/8" METAL STUDS TO DECK, 2 PIECES 24" HIGH GYPSUM PANEL BRACING, A SECOND ROW OF 3-5/8" METAL STUDS TO DECK, 5/8" TYPE 'X' GWB TO DECK. SEAL PERIMETER AND ALL PENETRATIONS W/ FIRESTOPPING SEALANT. REFER TO PLANS FOR WALL THICKNESS. CONSTRUCT WALL TO COMPLY WITH NO LESS THAN THE REQUIREMENTS OF UL DESIGN #U420. REFER TO FINISH SCHEDULE FOR APPLIED FINISHES SUCH AS TILE. PROVIDE SPECIFIED WALL FINISH SUBSTRATE IN PLACE OF GYPSUM BOARD WHERE TILE IS SCHEDULED.	
F1 FURRING: 1 5/8" METAL STUDS @ 16" O.C. TO 6" ABOVE CEILING. (1) LAYER 5/8" GWB TO 6" ABOVE CEILING TAGGED SIDE. EXPOSED STUDS OPPOSITE SIDE, BATT INSULATION.	
F2 FURRING: 3-5/8" METAL STUDS @ 16" O.C. TO 6" ABOVE CEILING. (1) LAYER 5/8" GWB TO 6" ABOVE CEILING TAGGED SIDE. EXPOSED STUDS OPPOSITE SIDE, BATT INSULATION.	
F3 2" 'Z' FURRING CHANNELS @ 24" O.C. TO DECK. 2" RIGID INSULATION BETWEEN CHANNELS TO DECK. (1) LAYER 5/8" GWB TO DECK, TAGGED SIDE.	

**A5 PARTITION, EXTERIOR WALL, & ROOF ASSEMBLY LEGEND**

N.T.S.

M1 MASONRY WALL: 1 5/8" METAL STUDS @ 16" O.C. TO 6" ABOVE CEILING. (1) LAYER 5/8" GWB TO 6" ABOVE CEILING. 8"x8"x16" CMU TO DECK LAID IN FULL 3/8" MORTAR BED WITH VERTICAL JOINTS STAGGERED. REFER TO STRUCTURAL FOR REQUIRED REINFORCING. 1 5/8" METAL STUDS @ 16" O.C. TO 6" ABOVE CEILING. (1) LAYER 5/8" GWB TO 6" ABOVE CEILING.	
M2 1 HOUR FIRE RATED MASONRY WALL (SEE PARTITION NOTE 6) 8"x8"x16" CMU TO DECK LAID IN FULL 3/8" MORTAR BED WITH VERTICAL JOINTS STAGGERED. SEAL TIGHT TO BOTTOM OF DECK. REFER TO STRUCTURAL FOR REQUIRED REINFORCING. BULLNOSE BLOCK AT ALL MASONRY OPENING EXPOSED CORNERS, TOPS AND SIDES.	
M3 1 HOUR FIRE RATED MASONRY WALL (SEE PARTITION NOTE 6) SAME AS M2 EXCEPT 1 5/8" METAL STUDS @ 16" O.C. TO 6" ABOVE CEILING. (1) LAYER 5/8" GWB TO 6" ABOVE CEILING TAGGED SIDE ONLY.	

NOTES:  
 - MR = MOISTURE RESISTANT GWB ON TAGGED SIDE ONLY  
 - AR = 5/8" ABUSE RESISTANT GWB TO 8'-0" AFF, 5/8" GWB BEYOND TAGGED SIDE ONLY.  
 - WM = (1) LAYER OF WIRE MESH INSTALLED BETWEEN STUDS AND GWB TAGGED SIDE ONLY, CREATING A SECURE BOUNDARY.  
 - PLY = 5/8" FIRE RATED EXTERIOR GRADE PLYWOOD APPLIED TO SUBSTRATE TO 4'-0" AFF TAGGED SIDE ONLY. PAINT TO MATCH FINISH ABOVE.

**EXTERIOR WALL LEGEND**

W1 FACE BRICK, SEE ELEVATIONS MASONRY ANCHOR, TYP. AIR SPACE 2" FOAM-PLASTIC BOARD INSULATION AIR/WATER BARRIER 5/8" GLASS-MAT GYPSUM WALL SHEATHING 6" METAL STUDS 6" GLASS FIBER BLANKET INSULATION VAPOR RETARDER MEMBRANE 5/8" INTERIOR GYPSUM WALL BOARD	
W2 METAL-COMPOSITE WALL PANEL, SEE ELEVATIONS 2" 'Z' FURRING 2" FOAM-PLASTIC BOARD INSULATION AIR/WATER BARRIER 5/8" GLASS-MAT GYPSUM SHEATHING 6" METAL STUDS 6" GLASS FIBER BLANKET INSULATION VAPOR RETARDER MEMBRANE 5/8" INTERIOR GYPSUM WALL BOARD	

**ROOF ASSEMBLY LEGEND**

R1 SINGLE PLY THERMOPLASTIC MEMBRANE 1/4" GLASS-MAT GYPSUM COVER BOARD 1/4" FOOT TAPERED RIGID INSULATION 5" RIGID INSULATION 5/8" GLASS-MAT TYPE X GYPSUM FIRE BARRIER BOARD 1-1/2" STEEL DECK, RE: STRUCTURAL STEEL ROOF FRAMING, RE: STRUCTURAL	
R2 SHEET METAL ROOFING SELF-ADHERING SHEET UNDERLAYMENT 5/8" FIRE RATED EXTERIOR GRADE PLYWOOD 2x FIRE RATED EXTERIOR GRADE SLEEPERS @ 16" O.C., VENT SPACE BETWEEN. 1/4" GLASS-MAT GYPSUM COVER BOARD 5" RIGID INSULATION 5/8" GLASS-MAT TYPE X GYPSUM FIRE BARRIER BOARD 1-1/2" STEEL DECK, RE: STRUCTURAL STEEL ROOF FRAMING, RE: STRUCTURAL	
R3 ROOF PAVERS PAVER SUPPORTS (P.T. BLOCKING BELOW TPO MEMBRANE) SINGLE PLY THERMOPLASTIC MEMBRANE 1/4" GLASS-MAT GYPSUM COVER BOARD 1/4" FOOT TAPERED RIGID INSULATION 2" RIGID INSULATION 5" CONCRETE SLAB, RE: STRUCTURAL	
R4 SINGLE PLY THERMOPLASTIC MEMBRANE 1/4" GLASS-MAT GYPSUM COVER BOARD 1/4" FOOT TAPERED RIGID INSULATION STEEL ROOF FRAMING, RE: STRUCTURAL	

**GENERAL NOTES:**

- SEE G1001 FOR PROJECT GENERAL NOTES.
- PARTITION NOTES:**
- PARTITION TYPE DRAWINGS ARE GRAPHIC REPRESENTATION ONLY, THEY ARE NOT TO SCALE TYPICAL.
  - MORTAR USED IN THE RATED ASSEMBLIES SHALL HAVE SAND TO CEMENT RATIO BETWEEN 2.25 & 3.5, AND HYDRATED LIME TO CEMENT RATIO LESS THAN 0.5.
  - ALL BATT INSULATION IS TO BE FULL THICKNESS AND FULL HEIGHT UNLESS NOTED OTHERWISE.
  - REFER TO FINISH SCHEDULE FOR EXTENT OF FINISHES APPLIED TO WALLS.
  - BRACE WALLS WHICH DO NOT EXTEND FULL HEIGHT TO STRUCTURE FOR ALL WALL LENGTHS GREATER THAN 8' BETWEEN CORNERS. BRACE WITH 45° STUD TO STRUCTURE AT 8'-0" ON CENTER MAX.
  - FIRE ENDURANCES FOR CMU ASSEMBLIES HAVE BEEN DESIGNED PER CALCULATIONS IDENTIFIED IN "ANALYTICAL METHODS OF DETERMINING FIRE ENDURANCE OF CONCRETE AND MASONRY - MODEL CODE APPROVED PROCEDURES" AS PUBLISHED BY THE CONCRETE AND MASONRY INDUSTRY FIRESAFETY COMMITTEE. BY CALCULATION, ALL ASSEMBLIES MEET OR EXCEED THE REQUIREMENT. SOLID GROUT WALLS AS REQUIRED TO PROVIDE AN EQUIVALENT THICKNESS OF NOT LESS THAN 2.8" THICKNESS FOR 1 HOUR PROTECTION.

**PARTITION KEY:**

- INTERIOR STUD PARTITION
- CHASE WALL SYSTEM
- FURRED WALL SYSTEM
- INTERIOR MASONRY PARTITION
- EXTERIOR WALL SYSTEM
- ROOF SYSTEM

**SYMBOL LEGEND**

- BUILDING SECTION
- SECTION
- DETAIL
- EXTERIOR ELEVATION
- INTERIOR ELEVATION
- LEVEL LINE
- CIRCLE NOTE
- WINDOW TAG
- PARTITION TAG
- DOOR TAG
- ROOM NAME
- ROOM NUMBER
- COLUMN BUBBLE AND CENTER LINE

GRID NO.	TITLE
SCALE	REFERENCE SHEET

- 1 HOUR FIRE RATED WALL
- 1 HOUR SMOKE BARRIER
- LATERAL BRACING, RE: STRUCTURAL

**SMT SRT**

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PROJECT TITLE: MAINE TURNPIKE AUTHORITY ADMINISTRATION BUILDING PORTLAND, MAINE

CURRENT ISSUE STATUS: ISSUED FOR BIDDING/CONSTRUCTION 7-9-07

REV	DESCRIPTION	DATE
0	BIDDING/CONSTRUCTION	7-9-07

GRAPHIC SCALE: 0" = 1"

SCALE: AS NOTED

PROJECT MANAGER: SLB

JC/DRAWN BY: TCM/TCM

A/E OF RECORD: SLB

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SHEET TITLE: GENERAL INFORMATION

SHEET No. G1002