



SPECIAL PROCEDURES ADDITION & RENOVATIONS

GENERAL NOTES:

- DO NOT SCALE THE DRAWINGS.
- THE CONTRACTOR AND ALL TRADERS SHALL NOTE REQUIREMENTS OF "GENERAL NOTES" ON ALL SHEETS.
- FIELD VERIFY ALL DIMENSIONS AND LAYOUT PRIOR TO PROCEEDING WITH WORK. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES OR INCONSISTENCIES. FAILURE TO REPORT ANY DISCREPANCIES WITHIN THESE CONSTRUCTION DOCUMENTS TO THE ARCHITECT WILL NOT BE GROUNDS FOR ADDITIONAL COST OR CHANGE ORDERS.
- "PROVIDE" MEANS "TURNISH AND INSTALL".
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS (UNLESS NOTED OTHERWISE), AND WORKMANSHIP IN ACCORDANCE WITH FEDERAL, STATE, CITY AND LOCAL BUILDING CODES AND THEIR REQUIREMENTS.
- REFER TO LARGE SCALE PLANS FOR PARTITION TYPES IN AREAS WHICH ARE DETAILD AT A LARGER SCALE.
- EACH TRADE TO PROVIDE SMOKE OR FIRE SEALANT AT PENETRATIONS AS REQUIRED FOR WALL TYPE. ALL SEALANT, FIRE STOPPING, AND SMOKE STOPPING ASSEMBLIES SHALL BE U.L. RATED.
- DIMENSIONS ARE FACE OF CONCRETE, FACE OF MASONRY, AND CENTERLINE OF INTERIOR STUD PARTITIONS. EXTERIOR STUD PARTITIONS ARE DIMENSIONED TO EXTERIOR FACE OF STUD, UNLESS INDICATED OTHERWISE.
- REFER TO SHEET A202 FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES, RESTROOM ACCESSORIES & MISCELLANEOUS ITEMS.
- TOILET ACCESSORIES ARE IDENTIFIED BY A KEY NOTE ON FLOOR PLANS.
- REFER TO ALL CONSTRUCTION DOCUMENTS FOR REQUIREMENTS WHICH MAY AFFECT THE WORK IN ANOTHER AND COORDINATE WORK.
- REFERENCE DETAILS AND ENLARGED PLANS FOR ADDITIONAL DIMENSIONAL INFORMATION.
- DOOR JAMBS SHALL BE LOCATED 6" FROM CORNER IN STUD PARTITIONS AND 8" FROM CORNER IN MASONRY PARTITIONS, UNLESS INDICATED OTHERWISE.

REMOVAL NOTES:

- REMOVE WALL AS INDICATED AND PREPARE FOR NEW CONSTRUCTION.
- REMOVE DOOR AND FRAME.
- REMOVE WINDOW AND FRAME.
- REMOVE LOWER CANOPY AND MASONRY WALLS.
- REMOVE UPPER CANOPY.
- MECHANICAL EQUIPMENT TO BE REMOVED.
- REMOVE WINDOW, FRAME AND MASONRY SILL. PREPARE FOR NEW CONSTRUCTION.
- CAMERA TO BE REMOVED AND TURNED OVER TO OWNER.
- REMOVE ROOF AND FLASHING IN LOCATIONS ADJACENT TO EXISTING BUILDING. PREPARE AREA FOR NEW CONSTRUCTION.
- SAW CUT EXISTING CONCRETE FOR NEW PLUMBING TIE INS.
- REMOVE PORTION OF BASEBOARD RADIATOR FOR NEW CONSTRUCTION.

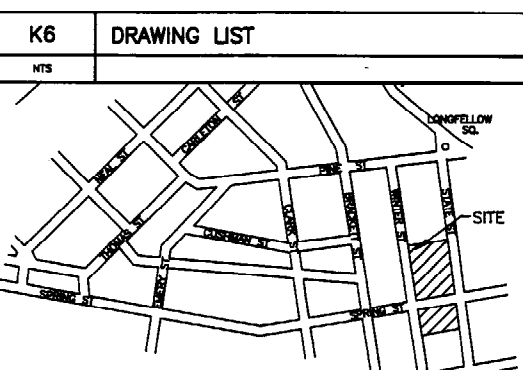
GENERAL REMOVAL NOTES:

- KEEP THE CONSTRUCTION AREA CLEAN AND FREE OF TRASH AND DEBRIS FOR THE DURATION OF THE PROJECT. PROMPTLY REMOVE ALL DEMOLITION AND CONSTRUCTION DEBRIS AND REFUSE, AND DISPOSE OF LEGALLY, OFF-SITE.
- DO NOT INTERFERE WITH THE NORMAL ACTIVITIES OF BUILDING OCCUPANTS DURING CONSTRUCTION. PROVIDE WEATHER-TIGHT AND DUST-TIGHT TEMPORARY CLOSURES TO PROTECT EXISTING AREAS DURING CONSTRUCTION. PROVIDE CODE-COMFORMING ALTERNATE EXITS FROM THE EXISTING BUILDING, WHERE CONSTRUCTION ACTIVITIES INTERFERE WITH EXISTING EXITS.
- REMOVE FOUNDATION WALL & FOOTINGS IN ITS ENTIRETY. PORTIONS OF FOUNDATION WALL HAVE BEEN REMOVED. FIELD VERIFY.

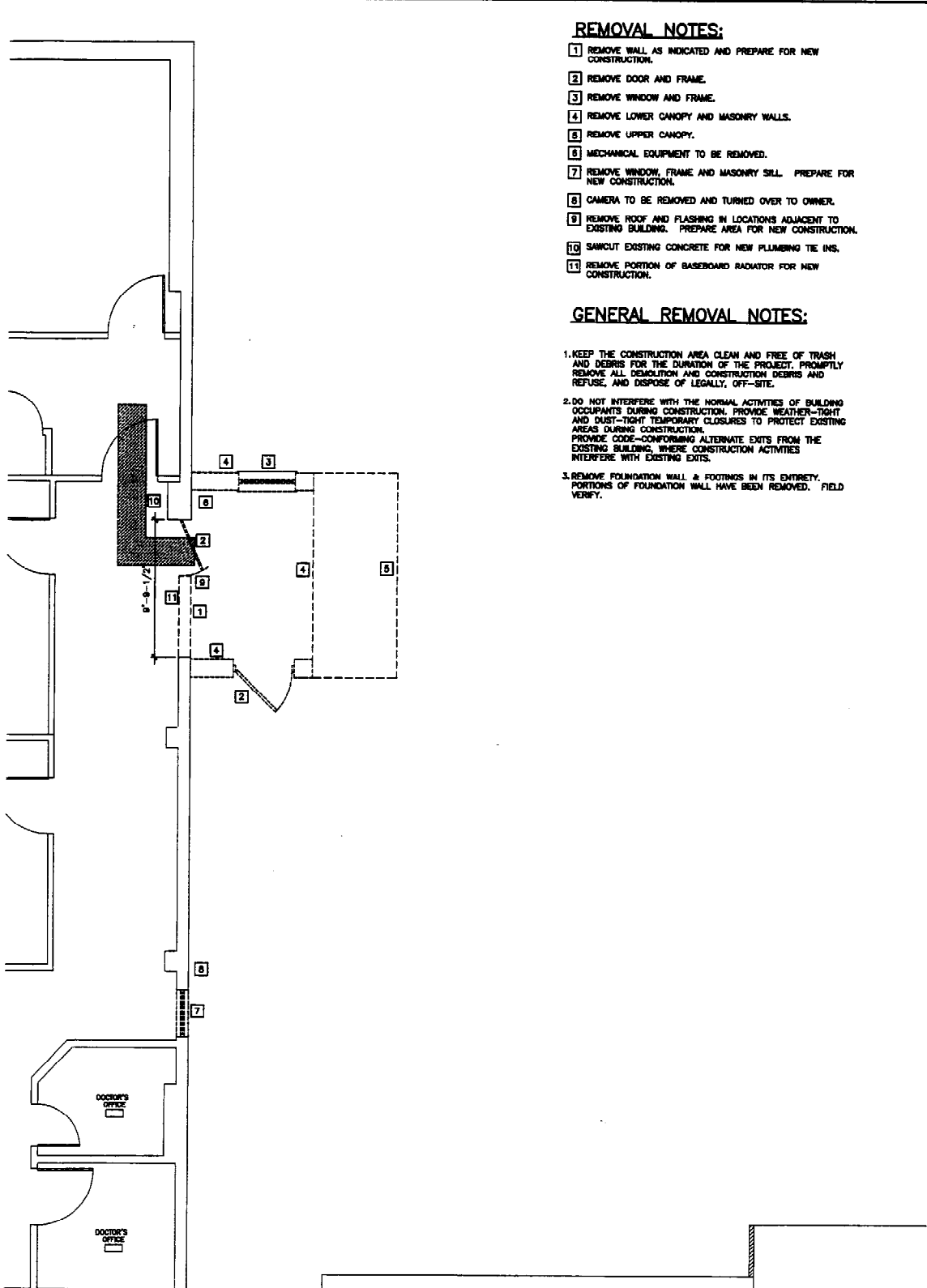
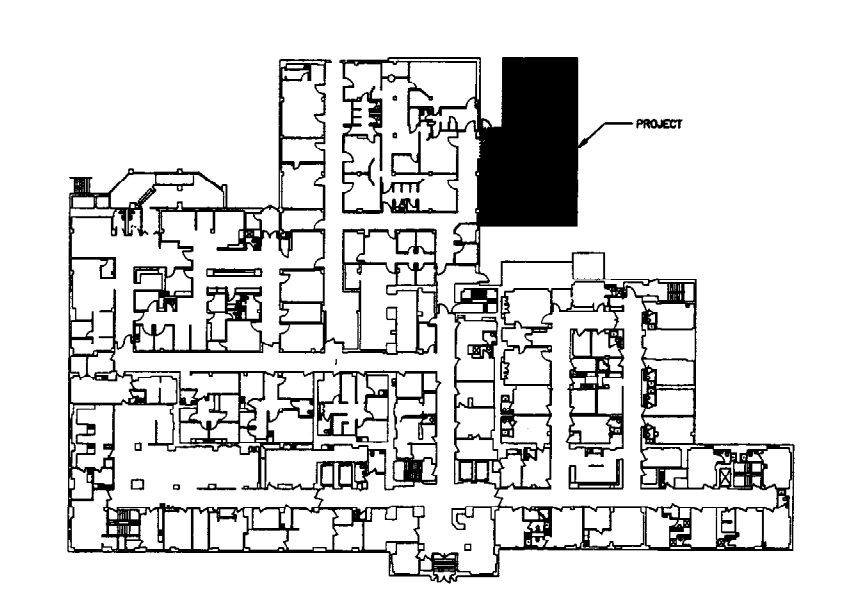
A/C	AIR CONDITIONING
ACT	ACUSTIC CEILING TILE
AF	ARCHITECT FINISHED FLOOR
AP	ACCESS PANEL
BCE	BOTTOM CHORD EXTENSION
BD	BOARD
BO	BOTTOM OF
BOF	BOTTOM OF FOOTING
BS	BOTTOM OF STEEL
BS	BOTH SIDES
BSE	BRICK SHELF ELEVATION
C	CHANNEL
CB	CATCH BASIN
CFM	CUBIC FEET PER MINUTE
CG	CORNER GUARD
CL	CONTROL JOINT; CONSTRUCTION JOINT
CLD	CEILING
CUH	CABINET UNIT HEATER
CR	CHAIR RAIL
DF	DRINKING FOUNTAIN
EF	EXHAUST FAN - EACH FACE
EJ	EXPANSION JOINT
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EW	ELECTRIC WATER COOLER
FB	FLAT BAR
FBO	FURNISHED BY OTHERS
FO	FLOOR CLEAN-OUT
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FF	FINISHED FLOOR, FAR FACE
FO	FRAMED OPENING
FS	FAR SIDE
FT	FIRE TREATED
GB	GEN. BMR
GC	GENERAL CONTRACTOR
GWB	GYPSPUM WALL BOARD
H	HORIZONTAL
HC	HANDICAPPED
HM	HOLLOW METAL
HU	HEAT RECOVERY UNIT
HT	HEAD
HR	HAND RAIL
HVM	HEATING AND VENTILATING
HWC	HEATING, VENTILATING AND AIR CONDITIONING
IF	INSIDE FACE
IJ	ISOLATION JOINT
IN	INVERT
JS	JOIST SUBSTITUTE
L	ANGLE
LCC	LEAD COATED COPPER
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LIGHTING PANEL
MB	MARKER BOARD
MDO	MEDIUM DENSITY OVERLAY
MSC	MASONRY
MR	MOISTURE-RESISTANT
MUA	MAKE-UP AIR
N	NOBING
NBC	NOT IN CONTRACT
NS	NEAR SIDE
NTS	NOT TO SCALE
OC	ON CENTER
OF	OUTSIDE FACE
OH	OVERHEAD
OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
OF/I	OWNER FURNISHED/INSTALLED
PA	PUBLIC ADDRESS
PAF	POWER-ACTUATED FASTENER
P	PLATE
PLAM	PLASTIC LAMINATE
PLF	POUNDS PER LINEAR FOOT
PP	POWER PANEL
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE-TREATED
PVC	POLYVINYL CHLORIDE
R	RISER, RADIUS
RB	RESILIENT BASE
RD	ROOF DRAIN
RO	ROUGH OPENING
RR	RUB-RAIL
SC	SOLID CORE
SCSD	SCHEDULE
SF	SQUARE FOOT; SUPPLY FAN
SK	SKEAR KEY
SS	STAINLESS STEEL
T	TREAD
TB	TACKBOARD
TBB	TOP AND BOTTOM
TBM	TEMPORARY BENCHMARK
TCE	TOP CHORD EXTENSION
TJ	THE JOIST
TO	TOP OF
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOM	TOP OF MASONRY
TOP	TOP OF
TOS	TOP OF STEEL; TOP OF SLAB
TOW	TOP OF WALL
TP	TOILET PAPER (DISPENSER)
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
V	VENT PIPE; VERTICAL
VB	VAPOR BARRIER
VV	VINTL COMPOSITION TILE
VV	VISION PANEL
VV	VENT THROUGH THE ROOF
WC	WATER CLOSER
WF	WIDE FLANGE
W/O	WITHOUT
WP	WORKING POINT
WS	WEB STIFFENER
WS	WELDED WIRE FABRIC

GRID LOCATION	TITLE
SCALE	REFERENCE SHEET
(A1/A10)	BUILDING SECTION
(A1/A10)	WALL SECTION
(A1/A10)	DETAIL
(A1/A10)	LEVEL LINE
(A1/A10)	REVISION
(A1/A10)	WINDOW TYPE
(A1/A10)	DOOR NUMBER
(A1/A10)	LOBBY
(A1/A10)	ROOM NAME
(A1/A10)	ROOM NUMBER
(A1/A10)	INTERIOR ELEVATION
(A1/A10)	WALL TYPE
(A1/A10)	CONTRACTOR REMOVALS NOTE
(A1/A10)	OWNER REMOVALS NOTE
(A1/A10)	BACKER ROD AND SEALANT
(A1/A10)	EXTERIOR ELEVATION
(A1/A10)	EXISTING - TO BE REMOVED (UNLESS NOTED OTHERWISE)
(A1/A10)	1 HOUR RATED WALL ASSEMBLY
(A1/A10)	2 HOUR RATED WALL ASSEMBLY

0000	COVER SHEET AND REMOVALS PLAN
0001	PARTITION LEGEND AND CODE REVIEW
0002	OUTLINE SPECIFICATIONS
0003	GENERAL
CP101	SITE PLAN
ARCHITECTURAL	
AE101	FIRST FLOOR PLAN AND REFLECTED CEILING PLAN
AE102	ROOF AND FLOOR FINISH PLAN
AE201	EXTERIOR ELEVATIONS
AE202	INTERIOR ELEVATIONS AND STANDARD MOUNTING HEIGHTS
AE301	BUILDING SECTIONS
AE302	WALL SECTIONS AND DETAILS
AE501	EXTERIOR DETAILS AND MISCELLANEOUS DETAILS
AE502	DETAILS
AE601	DOOR AND FINISH SCHEDULES, DOOR AND WINDOW DETAILS
STRUCTURAL (INCLUDED FOR REFERENCE ONLY)	
S1	FOUNDATION PLAN, SECTIONS AND DETAILS
S1	FRAMING PLAN, SECTIONS AND DETAILS
MECHANICAL (INCLUDED FOR REFERENCE ONLY)	
M1	HVAC PLAN
M2	MED. ROOM PLAN, SCHEDULES AND DETAILS
PLUMBING (INCLUDED FOR REFERENCE ONLY)	
P1	UNDERSLAB SANITARY AND RRM LEADERS
P2	WATER AND MEDICAL GAS DISTRIBUTION, FIXTURE SCHEDULE
ELECTRICAL (INCLUDED FOR REFERENCE ONLY)	
EQUIPMENT (INCLUDED FOR REFERENCE ONLY)	
EA001	INTERERS ALLURA - SHEETS C1, AN, A1, A2
EA002	INTERERS ALLURA - SHEETS AD1, AD2, AD3, AD4
EA003	INTERERS ALLURA - SHEETS SN, SL, S1, S2
EA004	INTERERS ALLURA - SHEETS SD1, SD2, SD, E1
EA006	INTERERS ALLURA - SHEETS E1, E2, ED1, ED2
EA008	INTERERS ALLURA - SHEETS EDS, N1
EA007	MULTI-DIAGNOST 4 - SHEETS C1, AN, A1, A2
EA008	MULTI-DIAGNOST 4 - SHEETS AD1, AD2, AD3, AD4
EA009	MULTI-DIAGNOST 4 - SHEETS ADS, SN, SL, S1
EA010	MULTI-DIAGNOST 4 - SHEETS SD1, SD1, SD, E1
EA011	MULTI-DIAGNOST 4 - SHEETS E2, ED1, ED2



G3	SYMBOLS LEGEND	G6	LOCATION MAP
NTS		NTS	



A1	ABBREVIATIONS
NTS	

A3	KEY PLAN
1" = 30'-0"	

A9	REMOVALS PLAN
1/4" = 1'-0"	

0	ISSUED FOR CONSTRUCTION	1-19-01
REV.	DESCRIPTION	DATE
ISSUED FOR CONSTRUCTION 1-19-01		
CURRENT ISSUE STATUS:		
PROJECT NORTH	REGISTERED ARCHITECT	
SMRT ARCHITECTURE ENGINEERING PLANNING		
144 Park Street P.O. Box 668 Portland, Maine 04101 Tel. (207) 773-2846 Fax. (207) 773-1699		
MERCY HOSPITAL SPECIAL PROCEDURES ADDITION PORTLAND, MAINE		
PROJECT: COVER SHEET AND REMOVALS PLAN		
SHEET TITLE: 0000		
SCALE: 1/4" = 1'-0"	DATE: 1-19-01	
PROJECT MANAGER: CDP	GRAPHIC SCALE: 0" = 1'	
JOB CAP/DRAWN: CDP/		
A/E OF RECORD: ELB	SHEET No.	
SMRT CAD FILE: 0000-20109		
PROJECT No. 20109		

PARTITION LEGEND

<p>NON-FIRE RATED. 2-1/2" METAL STUDS @ 16" O.C. TO UNDERSIDE OF DECK. (1) LAYER 5/8" TYPE "X" GWB TAGGED SIDE. EXPOSED STUDS OPPOSITE SIDE. INSULATION TO UNDERSIDE OF DECK.</p>	<p>NON-FIRE RATED. 2-1/2" METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GWB OVER 1/2" FIRE RESISTANT PLYWOOD.</p>	<p>NON-FIRE RATED. 3-5/8" METAL STUDS @ 16" O.C. TO UNDERSIDE OF DECK. (1) LAYER 5/8" GWB OVER (1) LAYER 1/2" FIRE RESISTANT PLYWOOD TAGGED SIDE. OPPOSITE SIDE (1) LAYER 5/8" GWB WITH 1/8" THICK LEAD PANEL. WITH LEAD BATTENS AT SEAMS. SOUND INSULATION TO UNDERSIDE OF DECK. LEAD PANEL EXTENDS TO A HEIGHT OF 7'-0" AFF.</p>
<p>NON-FIRE RATED. 3-5/8" METAL STUDS @ 16" O.C. TO UNDERSIDE OF DECK. 5/8" TYPE "X" GWB EACH SIDE TO UNDERSIDE OF DECK. SOUND BATT INSULATION.</p>	<p>2 HOUR FIRE RATED. UL DESIGN U412 3-5/8" METAL STUDS @ 16" O.C. TO UNDERSIDE OF DECK. 5/8" TYPE "X" GWB EACH SIDE SEALED TIGHT TO UNDERSIDE OF DECK EACH SIDE. SOUND BATT INSULATION TO UNDERSIDE OF DECK.</p>	<p>LEAD LINING NON-FIRE RATED 3-5/8" METAL STUDS @ 16" O.C. TO UNDERSIDE OF DECK. 5/8" TYPE "X" GWB EACH SIDE TO UNDERSIDE OF DECK. TAGGED SIDE HAS 1/8" THICK LEAD PANEL WITH LEAD BATTENS AT SEAMS. LEAD PANEL EXTENDS TO HEIGHT OF 7'-0" AFF. SOUND INSULATION TO UNDERSIDE OF DECK.</p>
<p>LEAD LINING NON-FIRE RATED 2-1/2" METAL STUDS @ 16" O.C. TO UNDERSIDE OF DECK. (1) LAYER 5/8" GWB TAGGED SIDE WITH 1/8" THICK LEAD PANEL WITH LEAD BATTENS AT SEAMS. EXPOSED STUDS OPPOSITE SIDE. BATT INSULATION TO UNDERSIDE OF DECK. LEAD PANEL EXTENDS TO A HEIGHT OF 7'-0" AFF.</p>	<p>NON-FIRE RATED. 8" METAL STUDS @ 16" O.C. TO UNDERSIDE OF DECK. (1) LAYER 5/8" TYPE "X" GWB TAGGED SIDE. EXPOSED STUDS OPPOSITE SIDE. BATT INSULATION TO UNDERSIDE OF DECK.</p>	<p>1 HOUR FIRE RATED. 3-5/8" METAL STUDS @ 16" O.C. TO UNDERSIDE OF DECK. 5/8" TYPE "X" GWB EACH SIDE SEALED TIGHT TO UNDERSIDE OF DECK. BATT INSULATION TO UNDERSIDE OF DECK.</p>
<p>LEAD LINING NON-FIRE RATED 2-1/2" METAL STUDS @ 16" O.C. TO UNDERSIDE OF DECK. (1) LAYER 5/8" GWB TAGGED SIDE. OPPOSITE SIDE 1/2" FIRE RESISTANT PLYWOOD, JOI ROOFING FELT, AND EXTERIOR 1-1/2" METAL PANEL. BATT INSULATION TO UNDERSIDE OF DECK.</p>	<p>NON-FIRE RATED. EXTERIOR PENTHOUSE. 8" METAL STUDS @ 16" O.C. TO UNDERSIDE OF DECK. (1) LAYER 5/8" TYPE "X" GWB TAGGED SIDE. OPPOSITE SIDE 1/2" FIRE RESISTANT PLYWOOD, JOI ROOFING FELT, AND EXTERIOR 1-1/2" METAL PANEL. BATT INSULATION TO UNDERSIDE OF DECK.</p>	

GENERAL NOTES:

NOTES

J1 PARTITION TYPES

1-1/2" = 1'-0"

J9

NTS

CODE REVIEW SUMMARY

CODE: NFPA INCLUDING 101 LIFE SAFETY CODE, 1997 EDITION ✓

BUILDING: BOCA BUILDING CODE, (2000 EDITION) ✓

ACCESSIBILITY: ADA, ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES. ✓

USE GROUP CLASSIFICATION(S):
THE BOCA NATIONAL BUILDING CODE:
1-2/NEW-INSTITUTIONAL FACILITY-HOSPITAL ✓

SPECIFIC OCCUPANCY AREAS/HAZARDOUS AREA PROTECTION:
BOCA CHAPTER 3, TABLE 302.1.1, NFPA 101 CHAPTER 12, TABLE 12-3.2.1:
USE GROUP 9
WASTE AND SOILED LINEN RMS. 1 HR SEPARATION ✓
STORAGE ROOMS > 100 SQ FT. SMOKE PARTITIONS ✓
USE GROUP 1-2
WASTE AND SOILED LINEN RMS. 1 HR SEPARATION ✓
KITCHEN & EMPLOYEE LOCKER RMS. SMOKE PARTITIONS ✓
SOILED LINEN RMS. 1 HR SEPARATION ✓
STORAGE ROOMS > 50 SQ FT. SMOKE PARTITIONS ✓
STORAGE ROOMS > 100 SQ FT. 1 HR SEPARATION ✓
TRASH COLLECTION RMS. 1 HR SEPARATION ✓

TYPE OF CONSTRUCTION:
NFPA 220: TYPE I-PROTECTED (332) ✓
BOCA: TYPE 1B-PROTECTED ✓

FIRE RESISTANCE RATINGS OF STRUCTURE ELEMENTS: (BOCA TABLE 802)
ELEMENT: 1B ✓
EXTERIOR LOAD BEARING WALLS: 3 HR ✓
FIRE SEPARATION ASSEMBLIES: 2 HR ✓
FIRE PARTITIONS: 2 HR ✓
EXIT ACCESS CORRIDORS (TABLE 1011.4) RESIST THE PASSAGE OF SMOKE. ✓
INTERIOR LOAD BEARING WALLS & COLUMNS: 2 HR. UL DESIGN NO X771 ✓
FLOOR/CEILING (PENTHOUSE): 2 HR. UL DESIGN NO 0739 ✓
ROOF/CEILING: 2 HR. UL DESIGN NO P717 ✓

OCCUPANCY/USE GROUP SEPARATION:
BOCA CHAPTER 3, TABLE 313.1.2
2 HR. FIRE SEPARATION BETWEEN FIRE AREAS. ✓

BUILDING HEIGHT:
BOCA CHAPTER 5, TABLE 503 ✓
ALLOWABLE: NOT LIMITED ✓

BUILDING AREA:
BOCA-CHAPTER 5, TABLE 503 ✓
ALLOWABLE: NOT LIMITED ✓
ACTUAL: FIRST FLOOR - 2,700 SQ FT ✓

MEANS OF EGRESS:
BOCA-CHAPTER 10 ✓
NFPA 101-CHAPTERS 5, 12 ✓
OCCUPANT LOADS: (BOCA TABLE-1008.1.2) ✓
CAPACITY OF MEANS OF EGRESS IN CONFORMANCE WITH *(BOCA TABLE -1008.2) WITH SPRINKLER SYSTEM ✓
CAPACITY OF MEANS OF EGRESS IN CONFORMANCE WITH *(NFPA 101 SECTION 5-3.3) ✓

FLOOR:	OCC.	FLOOR AREA/OCC.
FIRST FLOOR	INPATIENT/OUTPATIENT TREATMENT AREA	240 SQ FT GROSS ✓
USE GROUP 1-2		

MINIMUM NUMBER OF EXITS REQUIRED:
ANY ROOM OR ANY SUITE OF ROOMS, OTHER THAN PATIENT SLEEPING ROOMS, OF MORE THAN 2500 FT² (230 M²) SHALL HAVE NOT LESS THAN TWO EXIT ACCESS DOORS REMOTELY LOCATED FROM EACH OTHER. ✓

EGRESS CAPACITY:
EXIT ACCESS CORRIDORS: MINIMUM ALLOWABLE ✓
WIDTH: 96 IN. CLEAR ✓
DOORS: WIDTH: 44 IN. CLEAR ✓
STAIRS: WIDTH: 44 IN. CLEAR ✓
ARRANGEMENTS: MAXIMUM ALLOWABLE ✓
DEAD-END-CORRIDOR: 20 FT. ✓
TRAVEL DISTANCE: ROOM DOOR AND EXIT: 200 FT ✓
POINT IN A ROOM AND EXIT: 250 FT ✓

EMERGENCY LIGHTING WILL BE PROVIDED BY AN ESSENTIAL ELECTRICAL SYSTEM UTILIZING EMERGENCY POWER GENERATION AND CONFORMING WITH THE REQUIREMENTS OF NFPA 99. ✓

EXIT SIGNAGE SHALL BE SELF-LUMINOUS TYPE AS PERMITTED BY NFPA 101, 5-10.3.3 EXCEPTION NO. 2 ✓

PROTECTION OF VERTICAL OPENINGS:
BOCA - CHAPTERS 8 & 7 ✓
NFPA 101 - CHAPTERS 8 & 22 ✓

VERTICAL OPENINGS CONNECTING TWO OR MORE STORIES SHALL BE PROTECTED BY A SHAFT ENCLOSURE WITH A FIRE RESISTANCE RATING AS DESIGNATED UNDER "TYPE OF CONSTRUCTION-FIRE RESISTANCE RATINGS OF STRUCTURE ELEMENTS" ABOVE. WHERE PERMITTED BY THE CODE, PENETRATIONS OF FLOOR/CEILING AND ROOF/CEILING AND ROOF/CEILING ASSEMBLIES WILL BE PROTECTED BY A THROUGH-PENETRATION FIRESTOP SYSTEM WITH RATINGS NOT LESS THAN THE REQUIRED RATING OF THE ASSEMBLY BEING PROTECTED. ✓

INTERIOR FINISHES:
BOCA - CHAPTER 8 ✓
NFPA 101 - CHAPTERS 8 & 22 ✓

WALL AND CEILING FINISHES:
EXITS ENCLOSURES: CLASS A ✓
EXIT STAIRWAYS: CLASS A ✓
LOBBIES AND CORRIDORS: CLASS A OR B ✓
ALL OTHER SPACES: CLASS A OR B ✓
FLOOR FINISHES: NO REQUIREMENTS ✓

PROTECTION OF VERTICAL OPENINGS: ✓
BOCA - CHAPTERS 8 & 7 ✓
NFPA 101 - CHAPTERS 8 & 22 ✓

VERTICAL OPENINGS CONNECTING TWO OR MORE STORIES SHALL BE PROTECTED BY A SHAFT ENCLOSURE WITH A FIRE RESISTANCE RATING AS DESIGNATED UNDER "TYPE OF CONSTRUCTION-FIRE RESISTANCE RATINGS OF STRUCTURE ELEMENTS" ABOVE. WHERE PERMITTED BY THE CODE, PENETRATIONS OF FLOOR/CEILING AND ROOF/CEILING AND ROOF/CEILING ASSEMBLIES WILL BE PROTECTED BY A THROUGH-PENETRATION FIRESTOP SYSTEM WITH RATINGS NOT LESS THAN THE REQUIRED RATING OF THE ASSEMBLY BEING PROTECTED. ✓

EMERGENCY LIGHTING:
FIRE DEPARTMENT NOTIFICATION REQUIRED IN CONFORMANCE WITH NFPA 101, 7-6.4. ✓

DETECTION:
SPACES OPEN TO CORRIDORS, AND NOT ARRANGED TO PERMIT DIRECT SUPERVISION FROM THE NURSE'S STATION SHALL BE PROTECTED BY AN ELECTRICALLY SUPERVISED, AUTOMATIC SMOKE DETECTION SYSTEM. ✓

EXTINGUISHMENT REQUIREMENTS:
BOCA-CHAPTER 9, NFPA 101 - CHAPTERS 7 (SECTION 7-7) & 12, NFPA 13, NFPA 10 ✓
AUTOMATIC FIRE SUPPRESSION:
WATER BASED - CLICK RESPONSE OR RESIDENTIAL SPRINKLERS REQUIRED THROUGHOUT. ✓
PORTABLE FIRE EXTINGUISHERS:
REQUIRED IN ACCORDANCE WITH NFPA 101, 7-7.4.1, AND IN ACCORDANCE WITH NFPA 10. ✓

CORRIDORS:
NFPA 101 CHAPTER 12 SECTION 12-3.6.2 ✓
CORRIDOR WALLS SHALL BE CONSTRUCTED TO RESIST THE PASSAGE OF SMOKE. ✓
NFPA 101 CHAPTER 12 SECTION 12-3.6.3 CORRIDOR DOORS ✓
CORRIDOR DOORS SHALL BE POSITIVE LATCHING. DOOR CLOSURES ARE NOT REQUIRED ON NON-RATED DOORS. ✓

SUBDIVISION OF BUILDING SPACES:
NFPA 101 CHAPTER 12 SECTION 12-3.7 ✓
EVERY STORY SHALL BE SUBDIVIDED BY ONE HOUR FIRE RATED SMOKE BARRIERS INTO TWO SMOKE COMPARTMENTS WITH AT LEAST 30 NET SQUARE FEET PER PATIENT IN AREAS WITH A HOSPITAL OCCUPANCY, AND 15 SQUARE FEET PER PATIENT IN AREAS WITH AN AMBULATORY HEALTH CARE OCCUPANCY. ✓

FURNISHINGS, BEDDING AND DECORATIONS IN ACCORDANCE WITH NFPA 8-6.1 AND 12-7.6. ✓

0	ISSUED FOR CONSTRUCTION	1-19-01
REV.	DESCRIPTION	DATE
ISSUED FOR CONSTRUCTION		
1-19-01		
CURRENT ISSUE STATUS:		
SM RT ARCHITECTURE ENGINEERING PLANNING 144 Fore Street/P.O. Box 618 Portland, Maine 04104 TEL: (207) 773-3844 FAX: (207) 773-1070		
MERCY HOSPITAL SPECIAL PROCEDURES ADDITION PORTLAND, MAINE PROJECT:		
PARTITION LEGEND AND CODE REVIEW		
SHEET TITLE:	1/4" = 1'-0"	DATE: 1-19-01
PROJECT MANAGER: CDP	GRAPHIC SCALE:	
JOB CAP/DRAWING: CDP/		
A/E OF RECORD: ELB		
SMRT CAD FILE: 0001-20109	SHEET No.	
PROJECT No. 20109		G001

A1 CODE REVIEW

NTS

DIVISION 2 - DEMOLITION AND SITE WORK

SECTION 02050 - DEMOLITION

- A. ALL MATERIALS ARE TO BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER. CARE IS TO BE TAKEN TO AVOID DAMAGE TO ADJACENT MATERIALS.
- B. EXTERIOR DEMOLITION IS TO INCLUDE REMOVAL OF BUILDINGS, PAVING, UTILITIES, MISCELLANEOUS CONCRETE AND METALS IN A LEGAL MANNER.
- C. WHERE INTERIOR MATERIALS CONTAIN ASBESTOS, THE OWNER INTENDS TO CONTRACT FOR REMOVAL OF THESE MATERIALS PRIOR TO THE START OF CONSTRUCTION.

SECTION 02200 - EARTHWORK

- A. BUILDING DEMOLITION SHALL BE HAULED TO A STATE APPROVED LANDFILL. PAVEMENT SHALL BE RECYCLED TO THE MAXIMUM EXTENT POSSIBLE.
- B. CONCRETE FOUNDATIONS SHALL BEAR ON ORIGINAL EARTH OR LEDGE, AND NOT FILL.
- C. ALL WORK IN TRENCHES OR EXCAVATIONS SHALL TAKE PLACE IN A DRY TRENCH OR EXCAVATION, AND IN ACCORDANCE WITH OSHA REGULATIONS.
- D. ALL OPEN EARTHWORK SHALL BE FENCED OR BARRICADED TO PROTECT THE PUBLIC.
- E. STRUCTURAL BEDDING AND BASE MATERIAL SHALL MEET MOOT SPECIFICATION FOR THE USE.
- F. FILLS UNDER STRUCTURES INCLUDING DRIVES, PARKING, AND WALKS SHALL BE COMPACTED TO 95% M.O.D. IN 12" MAXIMUM LIFTS, MAXIMUM DRY DENSITY.
- G. ALL DISTURBED SURFACES NOT COVERED BY OTHER MATERIALS SHALL RECEIVE 4" TOPSOIL AND BE SEEDED.
- H. DETAILED MONITORING WILL BE CONDUCTED DURING LEDGE BLASTING OPERATIONS. PARTICLE VELOCITIES WILL BE RESTRICTED TO 0.2 INCHES PER SECOND AT THE CLOSEST STRUCTURE.

SECTION 02500 - PAVEMENT AND WALKS

- A. DRIVES AND PARKING SHALL BE BITUMINOUS CONCRETE: BASE COAT AND FINISH COAT, MOOT CLASS C AND B, RESPECTIVELY, WITH A DEVELOPED THICKNESS OF 3" MINIMUM.
- B. WALKS SHALL BE 4000 PSI PORTLAND CEMENT CONCRETE FIBER REINFORCED, WITH A THICKNESS OF 5" MINIMUM.
- C. TOTAL GRAVEL DEPTHS FOR PARKING AND DRIVE PAVEMENTS SHALL BE 18" AND FOR CONCRETE WALK PAVEMENT SHALL BE 12".
- D. SPECIAL PAVING SHALL BE PRECAST UNIT CONCRETE PAVERS ON GRAVEL BASE AND SAND SETTING BED.
- E. CURBSHALL BE TYPE-1 GRANITE PER MOOT SPEC.

SECTION 02800 - SITE UTILITIES

- A. DRAINAGE:
 1. FOUNDATION SUBDRAINAGE SHALL BE 4" PVC.
 2. ROOF DRAIN EXT. SHALL BE 1/2" RIGIDITE PIPE OR EQUAL, SDR 35, CONNECTED TO THE STORM DRAIN SYSTEM.
 3. STORM DRAINAGE SHALL BE CORRUGATED POLYETHYLENE, PIPED TO CITY SYSTEM.
 4. CATCH BASINS SHALL BE PRECAST CONCRETE WITH GRADE 30 CAST IRON FRAMES AND GRATINGS.

SECTION 02800 - PLANTING

- A. PLANT MATERIALS SHALL BE BALLED & BURLAPPED AND SHALL CONFORM TO AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1, LATEST ADDITION.
- B. GRASS SHALL BE LOAM AND SEED UNLESS OTHERWISE NOTED.

DIVISION 3 - CONCRETE

SECTION 03310 - CAST-IN-PLACE CONCRETE

- A. REFER TO SHELLEY ENGINEERING DRAWINGS FOR ADDITIONAL NOTES AND SPECIFICATIONS.
- B. A VAPOR BARRIER SHALL BE INSTALLED BENEATH GRADE SLABS.
- C. ALL INTERIOR FLOOR SLABS SHALL RECEIVE A SMOOTH FINISH.
- D. EXTERIOR SIDEWALKS, STAIRS AND SLABS SHALL BE GIVEN A BROOM FINISH. FLOOR SLABS TO REMAIN EXPOSED SHALL BE TREATED WITH A SEALER. EXTERIOR SLABS WILL BE TREATED WITH A PROTECTIVE COATING.

DIVISION 4 - MASONRY

SECTION 04200 - UNIT MASONRY

- A. BRICKS WILL BE STANDARD MODULAR BRICK ON ALL EXTERIOR WALLS AS SHOWN. BRICK COLOR AND MORTAR COLOR AND JOINT STYLE TO MATCH EXISTING BUILDING.
- B. SUMMARY EXTERIOR WALL CONSTRUCTION: MASONRY FACING WYTHE OVER MASONRY BACK-UP WYTHE.
- C. MATERIALS:
 1. CONCRETE UNITS: [CONCRETE MASONRY UNITS]
 2. BRICK:
 3. REINFORCING: [STEEL BARS] [WELDED-WIRE FABRIC]
 4. JOINT REINFORCEMENT: [LADDERS] [TRUSSES] DESIGN OF WELDED-WIRE UNITS.
 5. TIES AND ANCHORS: [STAINLESS STEEL].
 6. BENT WIRE TIES.
 7. RIGID ANCHORS.
 8. ADJUSTABLE MASONRY-VENEER ANCHORS.
 9. DOWEL SLOTS.
 10. POSTINSTALLED ANCHORS.
 11. EMBEDDED FLASHING: [ASPHALT-COATED COPPER]
 12. INSULATION: [POLYISOCYANURATE BOARD]
 13. MORTAR AND GROUT:
- D. INSTALLATION:
 1. MATCH EXISTING MASONRY COURSING, BONDING, COLOR, AND TEXTURE.
 2. PARGE BELOW-GRADE MASONRY.
 3. RECYCLE CLEAN MASONRY WASTE AS FILL MATERIAL.
- E. FIELD QUALITY CONTROL TESTING AGENCY: [CONTRACTOR EMPLOYED]

SECTION 04720 - CAST STONE

- A. CAST STONE COLORS TO BE SELECTED FROM MANUFACTURER'S STANDARD COLOR RANGE.

DIVISION 5 - METALS

SECTION 05120 - STRUCTURAL STEEL

- A. REFER TO SHELLEY ENGINEERING DRAWINGS FOR ADDITIONAL NOTES AND SPECIFICATIONS.

SECTION 05310 - STEEL DECK

- A. REFER TO SHELLEY ENGINEERING DRAWINGS FOR ADDITIONAL NOTES AND SPECIFICATIONS.

SECTION 05410 - EXPANSION JOINT COVER ASSEMBLIES

- A. FLOOR AND WALL EXPANSION JOINT COVER ASSEMBLIES FOR INTERIOR JOINTS WHERE NEW AND EXISTING CONSTRUCTION MEETS AND ACROSS ONE CORRIDOR.
- B. EXTERIOR MASONRY JOINT MATERIAL WHERE NEW AND EXISTING MASONRY MEET: PRODUCT "25" AS MANUFACTURED BY EMSEAL JOINT SYSTEMS, LTD. (508-836-0280).
- C. EXTERIOR ROOF EXPANSION JOINT COVER ASSEMBLIES WHERE NEW AND EXISTING WORK MEETS AND ACROSS ONE CORRIDOR ROOF ASSEMBLY.

DIVISION 6 - WOOD AND PLASTICS

SECTION 06100 - ROUGH CARPENTRY

- A. ALL DIMENSION LUMBER SPECIFIED SHALL BE SPRUCE-PINE-FIR, EASTERN SPRUCE, EASTERN HEMLOCK - TAMARACK (NORTH), SOUTHERN PINE, OR DOUGLAS FIR-LARCH.
- B. LUMBER USED FOR BLOCKING MAY BE NUMBER 3 GRADE. ALL BLOCKING TO BE FIRE-RATED.
- C. ALL LUMBER SHALL HAVE MAXIMUM MOISTURE CONTENT OF 18%.
- D. WOOD USED IN BLOCKING IN ASSOCIATION WITH ROOFING SHALL BE FIRE RATED.
- E. ANCHORS AND FASTENERS: NON-CORROSIVE, SUITABLE FOR LOAD AND EXPOSURE.

SECTION 06402 - INTERIOR ARCHITECTURAL WOODWORK

- A. ALL CASEWORK TO BE AMERICAN WOODWORK INSTITUTE (AWI) "A" ARCHITECTURAL WOODWORK QUALITY STANDARDS "PREMIUM QUALITY, LAMINATE CLAD. COUNTERTOPS TO BE PLASTIC LAMINATE WITH MAPLE WOOD BULLNOSE EDGE.
 1. LAMINATE: HIGH PRESSURE DECORATIVE LAMINATE, NEMA LD-3
 2. GRADE: PREMIUM
 3. FACE STYLE: FLUSH OVERLAY
 4. FACE FABRICATION: FACE FABRICATION
 5. CORE: PLYWOOD AS ALLOWED BY GRADE.
- B. PROVIDE BUILT IN STORAGE UNITS AT LOCATIONS INDICATED ON PLANS.

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

SECTION 07120 - WATERPROOFING

- A. SPRAYED-ON RUB-R-WALL WATERPROOFING AT NEW AND EXISTING BELOW GRADE FOUNDATION WALLS WHERE INDICATED ON THE PLANS.

SECTION 07210 - BUILDING INSULATION

- A. BOARD INSULATION BELOW SLABS ON GRADE, AT FOUNDATION WALLS, AT EXTERIOR SIDE OF WALL SHEATHING, SKYLIGHT WALLS AND PARAPET WALLS.
- B. THERMAL INSULATION IN EXTERIOR WALLS, BLANKET TYPE.
- C. ACOUSTIC INSULATION AT INTERIOR PARTITIONS, BLANKET TYPE.
- D. BOARD INSULATION: EXTRUDED POLYSTYRENE, RIGID, ASTM C 578.
- E. BLANKET/BATT INSULATION: GLASS FIBER OR MINERAL SLAG FIBER, ASTM C 665, TYPE 1 (UNFACED).
- F. VAPOR RETARDER (NOT INTEGRAL WITH INSULATION): TYPE: POLYETHYLENE, ASTM D 4397, 6 MILS, 0.13 PERM VAPOR TRANSMISSION RATING.

SECTION 07220 - ROOF INSULATION

- A. RIGID CLOSED-CELL POLYISOCYANURATE CORE, INTEGRALLY BONDED TO NON-ASPHALTIC FIBERGLASS FACING IN THE FOAMING PROCESS, MECHANICALLY FASTENED FLAT AND TAPERED INSULATION FOR USE IN AN ADHERED EPDM ROOF SYSTEM.
- B. AVERAGE AGED R-VALUE TO BE MINIMUM R-28

SECTION 07700 - FIRESTOPPING

- A. PROVIDE FIRESTOPPING MATERIALS AT PENETRATIONS THROUGH FIRE-RESISTANCE-RATED FLOOR AND ROOF CONSTRUCTION.
- B. PROVIDE FIRESTOPPING MATERIALS AT PENETRATIONS THROUGH FIRE-RESISTANCE-RATED WALLS AND PARTITIONS.
- C. PROVIDE FIRESTOPPING MATERIALS AT CONTROL JOINTS WHERE NEW AND EXISTING WORK MEETS AT ROOF AND CORRIDOR CROSSING.
- D. PROVIDE SEALANT JOINTS IN FIRE-RESISTANCE-RATED CONSTRUCTION.

SECTION 07411 - MANUFACTURED WALL PANELS

- A. METAL WALL PANELS, VERTICAL PANELS. COLOR TO BE FROM MANUFACTURER'S STANDARD RANGE OF COLORS AND TRIMS.
- B. FIELD-ASSEMBLED WALL PANELS WITH CONCEALED FASTENERS, PANEL SUPPORTS AND ANCHORAGE.
- C. FINISH WARRANTY: 20 YEARS.
- D. AUXILIARY MATERIALS:
 1. 30# SHEATHING PAPER.
 2. DOOR FRAME TRIM.
 3. LOUVER TRIM.
 4. CORNER DETAILS.

SECTION 07530 - SINGLE-PLY MEMBRANE ROOFING

- A. ROOF TO BE A SINGLE-PLY EPDM, 60 MILS (1.5MM), ASTM D 4637, TYPE 1 MEMBRANE FULLY ADHERED SYSTEM OVER TAPERED AND FLAT POLYISOCYANURATE INSULATION WITH A MINIMUM AGED R-VALUE OF 28.
- B. THE ROOF SHALL BE INSTALLED OVER A GYPSUM BOARD BASE, 5/8" TYPE "X" FIRE CODE.
- C. PROVIDE ALL ROOF ACCESSORIES TO FORM A COMPLETE SYSTEM.
- D. WALKWAY PROTECTION MEMBRANE: COMPATIBLE WITH MEMBRANE.
- E. LISTING: UL CLASS A EXTERNAL FIRE EXPOSURE, AND CLASS I-90 WIND UPLIFT
- F. MEMBRANE ROOFING WARRANTY: MANUFACTURER'S 10 YEAR WARRANTY.

SECTION 07800 - FLASHING AND SHEET METAL

- A. THROUGH-WALL FLASHING: 3 OZ. COPPER COATED FABRIC FLASHING TO BE LOCATED AT MASONRY VENEER WALLS, WINDOW SILLS, LITELS, AND SHELF ANGLES IN MASONRY. FLASHING AND COUNTERFLASHING TO BE PROVIDED AT ROOF / WALL INTERSECTIONS.
- B. PROVIDE W.R. GRACE PERMABARRIER AT HEADS, SILLS AND JAMBS AT WINDOWS.
- C. PROVIDE 16 OZ. METAL ROOF EDGE WITH PROFILE TO MATCH EXISTING.
- D. FABRICATED UNITS: COMPLIANCE WITH SMACNA ARCHITECTURAL SHEET METAL MANUAL.

SECTION 07800 - FLASHING AND SHEET METAL

- E. AUXILIARY MATERIALS:
 1. BITUMINOUS ISOLATION COATING.
 2. EPOXY SEAM SEALER.
 3. REGLETS AND METAL ACCESSORIES.
 4. ASPHALTIC ROOFING CEMENT.

SECTION 07720 - ROOF ACCESSORIES

- A. ROOF LADDER AS SHOWN.
- B. MATERIALS: ALUMINUM OR GALVANIZED STEEL.

SECTION 07812 - APPLIED FIREPROOFING

- A. PROVIDE AS PER THE FOLLOWING UL LISTINGS.

1. INTERIOR LOAD BEARING WALLS & COLUMNS:	2 HR. UL DESIGN NO X771
2. FLOOR/CEILING (PENTHOUSE)	2 HR. UL DESIGN NO 0739
3. ROOF/CEILING	2 HR. UL DESIGN NO P717

SECTION 07800 - JOINT SEALANTS

- A. JOINT SEALERS FOR EXTERIOR AND INTERIOR APPLICATIONS AT ALL VERTICAL AND HORIZONTAL JOINTS.
 1. TYPE AND APPLICATION: MULTI-PART NONSAG URETHANE SEALANT, ASTM C 920, FOR VERTICAL JOINTS, EXTERIOR USE.
 2. TYPE AND APPLICATION: MULTI-PART POURABLE URETHANE SEALANT, ASTM C 920, FOR HORIZONTAL JOINTS, EXTERIOR USE.
- C. LATEX JOINT SEALANTS:
 1. TYPE: ACRYLIC-EMULSION, ASTM C 834.
 2. APPLICATION: INTERIOR JOINTS IN VERTICAL AND OVERHEAD SURFACES WITH LIMITED MOVEMENT.
- D. PAVING JOINT FILLERS:
 1. TYPE: BITUMINOUS FIBER.
 2. APPLICATION: FILLER FOR EXTERIOR PAVING JOINTS.
- E. AUXILIARY MATERIALS:
 1. PLASTIC FOAM JOINT FILLERS.
 2. ELASTOMERIC TUBING BACKER ROOLS.
 3. BOND BREAKER TAPE.

DIVISION 8 - DOORS AND WINDOWS

SECTION 08100 - HOLLOW METAL DOORS & FRAMES (WELDED ASSEMBLIES)

- A. INTERIOR AND EXTERIOR STANDARD HOLLOW METAL FRAMES AND DOORS.
- B. STANDARDS: ANSR/SQR-100, RECOMMENDED SPECIFICATIONS FOR STANDARD STEEL DOORS AND FRAMES.
- C. FIRE AND THERMAL RATED ASSEMBLIES AS REQUIRED.
- D. DOORS TO BE FLUSH WITH HOLLOW OR COMPOSITE CONSTRUCTION, 16 GA. STEEL AT INTERIOR DOORS AND 18 GA GALVANIZED SHEET STEEL AT EXTERIOR DOORS.
- E. HOLLOW METAL FRAMES TO BE WELDED FOR DOORS AND BORROWED LITES.
- F. DOORS AND FRAMES TO BE FACTORY PRIMED AND FIELD PAINTED.

SECTION 08210 - WOOD DOORS

- A. SOLID CORE, 5 PLY, FLUSH WOOD DOORS, TO MATCH EXISTING HOSPITAL DOORS, FOR TRANSPARENT FINISH, U.L. AS REQUIRED.
- B. PROVIDE GLAZED LITES AND LOUVERS WHERE SCHEDULED.
- C. DOORS TO BE FACTORY FINISHED.
- D. ALL DOORS TO BE PREPARED FOR HARDWARE.

SECTION 08300 - ACCESS DOORS

- A. PROVIDE FLUSH STEEL ACCESS DOORS FOR INSTALLATION IN GYPSUM BOARD WALLS AND CEILING. ACCESS DOORS TO BE RATED WHERE NECESSARY. DOORS TO BE FIELD PAINTED.

SECTION 08700 - FINISH HARDWARE

- A. TYPICAL ROOM DOOR HARDWARE TO INCLUDE:
 1. HINGES AND PIVOTS.
 2. DOOR CLOSERS: LCN - 4041 OR SARGENT 281.
 3. OFFSET PIVOTS. LEAD LINED DOORS SHALL RECEIVE ROSSON L147 7 OFFSET X ML19.
 4. EXIT DEVICES - VON DUPRIN AND SARGENT.
 5. HOSPITAL LATCH EQUAL TO SARGENT MODEL #115. PROVIDE LEAD LINED AS NOTED.
- B. PROVIDE 5" BACKSET.
- C. LOCKSETS, LATCH SETS - SCHLAGE NO EXCEPTIONS.
- D. PUSH PLATES, DOOR PULLS, PUSH/PULL BARS - ROCKWOOD, BURNS AND MES.
- E. KICK PLATES (6 INCHES HEIGHT), ARMOR PLATES (34 INCHES), MOP PLATES (4 INCHES).
- F. STOPS - ROCKWOOD, MES AND GLYNN JOHNSON. WALL BUMPERS, FLOOR STOPS AND ROLLER BUMPERS.
- G. ELECTRICALLY - POWERED DOOR OPERATOR. LOW ENERGY OPERATION AND ADA REQUIREMENTS. HORTON 4000 LE, LEON 4610/20, AND KEAME-MONROE CORPORATION "ACCESS TWO" SERIES 3100.

SECTION 08700 - FINISH HARDWARE

- 11. SILENCERS
- 12. NEW FINISH TO MATCH EXISTING IN HOSPITAL.
 - A. INTERIOR BUTTS: US260 (BHMA 622).
 - B. DOOR CLOSERS: SPRAYED TO MATCH HARDWARE FINISH.
 - C. EXIT DEVICES: US260 (BHMA 628).
 - D. KICK PUSH PLATES: US230 (BHMA 630).
 - E. ALL OTHER HARDWARE SHALL BE: US260 (BHMA 628).

C. HARDWARE SETS:

- HW 1: DOORS #03, 07, 20; EACH LEAF SHALL HAVE: LEAD LINED PIVOTS, LEAD LINED HOSPITAL LATCH, ELECTRIC STRIKE, AUTOMATIC DOOR OPERATOR, ARMOR PLATES, DOOR STOPS.
- HW 2: DOOR #01; EACH LEAF SHALL HAVE: LEAD LINED PIVOTS, LOCKSET (FUNCTION A), DOOR CLOSER, DOOR STOP (LOCKSET LEAD LINED).
- HW 3: DOOR #02; EACH LEAF SHALL HAVE: HINGES, LOCKSET (FUNCTION B), DOOR STOP.
- HW 4: DOOR #11; EACH LEAF SHALL HAVE: HINGES, LOCKSET (FUNCTION F), DOOR STOP.
- HW 6: DOOR #08; EACH LEAF SHALL HAVE: HINGES, LOCKSET (FUNCTION B), DOOR CLOSER, DOOR STOP.
- HW 8: DOOR #25; EACH LEAF SHALL HAVE: HINGES, LOCKSET (FUNCTION A), FLUSH BOLTS, DOOR STOPS.
- HW 7: DOOR #10B; EACH LEAF SHALL HAVE: HINGES, EXIT DEVICE (FUNCTION F), AUTOMATIC DOOR OPERATOR, ARMOR PLATE, DOOR STOPS, ELECTRIC STRIKE.
- HW 8: DOOR #10A; EACH LEAF SHALL HAVE: HINGES, EXIT DEVICE (FUNCTION C), DOOR CLOSER, KICK PLATE, DOOR STOP, WEATHERSTRIP.
- HW 9: DOOR #P1; EACH LEAF SHALL HAVE: HINGES, LOCKSET (FUNCTION A), DOOR CLOSER, THRESHOLD, WEATHERSTRIP, DOOR BOTTOM.

SECTION 08900 - GLAZING

- A. PROVIDE GLASS AND GLAZING AT EXTERIOR WINDOWS, INTERIOR WINDOWS, GLAZED OPENINGS, DOORS AND MIRRORS.
- B. INSULATED GLASS TO HAVE 10 YEAR MANUFACTURER'S WARRANTY.

C. PRODUCTS

- 1. GLASS:
 - a. PRIMARY GLASS PRODUCTS: CLEAR FLOAT GLASS, ASTM C 1036
 - b. HEAT-TREATED GLASS PRODUCTS: HEAT-STRENGTHENED, TEMPERED, ASTM C 1048.
 - c. SEALED INSULATING GLASS UNITS: ASTM E 774, CLASS A.
 - d. MIRRORS: SILVERING AND PROTECTIVE COATINGS.
 - e. HIGH-PERFORMANCE COATINGS: LOW E (LOW EMISSIVITY) TYPE.
 - f. WIRED GLASS: ASTM C 1034. SQUARE MESH.
 - g. FIRE RATED SAFETY GLASS, PREMIUM GRADE.
- 2. GLAZING:
 - a. ELASTOMERIC GLAZING SEALANTS.
 - b. PERFORMED GLAZING TAPES.
 - c. SETTING BLOCKS, SPACERS AND COMPRESSIBLE FILLER ROOLS.
- 3. GLAZING SCHEDULE:
 - a. ENTRANCES: 1/2" THICK INSULATING GLASS, CLEAR TEMPERED GLASS, LOW-E-COATING.
 - b. MIRRORS: 1/4" THICK PLATE GLASS.
 - c. DOORS: TEMPERED, FIRE-RATED SAFETY GLASS OR LAMINATED GLASS AS REQUIRED.

DIVISION 9 - FINISHES

SECTION 09250 - GYPSUM BOARD ASSEMBLIES

- A. 5/8" GYPSUM BOARD SCREW ATTACHED TO STEEL FRAMING FOR INTERIOR PARTITIONS AND AT GYPSUM BOARD SOFFITS. PROVIDE RATED WALL CONSTRUCTION WHERE SCHEDULED. PROVIDE MR BOARD AT WET AREAS, I.E. BEHIND SINKS AND AT SHOWERS AND TUBS.
- B. JOINT TREATMENT: 3-COAT SYSTEM FOR APPLICATION OF PAINT FINISHES AND VINYL WALLCOVERING.
- C. TRIM ACCESSORIES: METAL CORNERBEAD, EDGE TRIM AND CONTROL JOINTS. PROVIDE VINYL EDGE TRIM AT EXTERIOR WINDOW HEAD AND JAMB RETURNS.
- D. STEEL FRAMING: 25 GAGE OR TO MEET L/360 STEEL STUDS, DEPTH SCHEDULED.

SECTION 09511 - ACOUSTICAL PANEL CEILING

- A. ACT-1: ARMSTRONG FINE FISSURED, 2' X 2' X 5/8" LAY-IN TILE IN ARMSTRONG 15/16" PRELUDE GRID SYSTEM.
- B. ACT-2: ARMSTRONG BEVELED TEGULAR CURRUS, 2' X 2' X 3/4" LAY-IN TILE IN ARMSTRONG 5/16" SILHOUETTE BOOT-SLOT GRID SYSTEM, ANTIMICROBIAL SOLUTION.
- C. ACT-3: ARMSTRONG CLEAN ROOM V.L. PERFORATED.

SECTION 09650 - RESILIENT FLOORING

- A. TYPES OF RESILIENT FLOORING AND ACCESSORIES (REFER TO FLOOR FINISH PLAN FOR COLORS AND PATTERNS).
 1. VINYL COMPOSITION TILE (VCT):
 - (1) FROM ARMSTRONG MULTICOLOR PREMIUM EXCELOX
 - (2) FROM ARMSTRONG IMPERIAL TEXTURE / STANDARD EXCELOX
 2. SHEET VINYL PRODUCTS (SHT VINYL):
 - SHT VINYL-1: ARMSTRONG MEDITECH WITH 4" SELF COVERED BASE.
 3. RESILIENT ACCESSORIES: 4" COVE BASE, VINYL OR RUBBER AND MATCHING REDUCER STRIPS AND OTHER ACCESSORY PRODUCTS

SECTION 09800 - PAINTING

- A. ALL AREAS TO RECEIVE PAINT FINISH SHALL HAVE A PREMIUM 3 COAT LATEX SYSTEM. ALL PAINTS TO BE LOW OODR AND VOC COMPLIANT.
- B. EPOXY PAINT SHALL BE EQUAL TO SHERWIN-WILLIAMS ARMOR-TILE POLYESTER EPOXY.

DIVISION 10 - SPECIALTIES

SECTION 10100 - VISUAL DISPLAY BOARDS

- A. PROVIDE WOOD FRAMED PORCELAIN ENAMEL WHITE BOARDS AT CONTROL ROOM.
- B. X-RAY VIEW BOXES.

SECTION 10200 - LOUVERS AND VENTS

- A. EXTERIOR LOUVERS TO HAVE STATIONARY BLADES WITH INSECT SCREEN. LOUVERS TO BE ALUMINUM WITH KYNAR COATING TO MATCH METAL PANELS. REFER TO MECHANICAL DRAWINGS FOR FREE AREA REQUIRED.

SECTION 10245 - IMPACT RESISTANT WALL PROTECTION

- A. CORNER GUARDS AND WALL PANELS. ARCHITECT TO SELECT FROM MANUFACTURER'S FULL RANGE OF STANDARD COLORS. IPC. CORNER GUARDS TO BE SURFACED MOUNTED.

SECTION 10425 - SIGNS

- A. ACRYLIC, 1/4" THICK 6"X 8", WALL PLAQUES WITH RAISED GRAPHICS AND BRAILLE AT ALL ROOMS.

SECTION 10422 - FIRE EXTINGUISHERS AND CABINETS

- A. PROVIDE FIRE EXTINGUISHERS IN RECESSED WALL CABINETS AS INDICATED ON PLAN. MAINTAIN MAXIMUM 75' TRAVEL DISTANCE BETWEEN EXTINGUISHERS.

SECTION 10600 - TOILET AND BATH ACCESSORIES

- A. TOILET ACCESSORIES AT TOILET ROOMS TO INCLUDE PAPER TOWEL DISPENSER/DISPOSAL UNIT, FRAMED ADA MIRROR, GRAB BARS, (TOILET PAPER AND SOAP DISPENSERS TO BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR.). ROBE HOOKS TO BE PROVIDED ON DOORS (ALLOW FOR QUANTITY OF 3).

SECTION 10850 - CUBICLE CURTAIN TRACK AND CUBICLE CURTAINS

- A. PROVIDE SURFACE MOUNTED CUBICLE TRACK BY IMPERIAL FASTENER, COLOR: SELECT FROM MANUFACTURER'S FULL RANGE OF COLORS. PROVIDE FIRE RETARDANT CUBICLE CURTAINS WITH MATCHING MESH.

DIVISION 11 - EQUIPMENT

DIVISION 12 - FURNISHINGS

SECTION 12890 - FLOOR MATS AND FRAMES

- A. CARPET TYPE MATS, PARLUNG CORPORATION, "MAXI-TUFF LONG WEAR", 3/8 INCH THICK.

DIVISION 13 - SPECIAL CONSTRUCTION

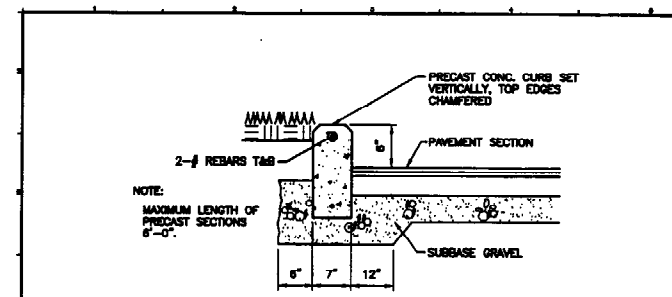
- REFERENCE MECHANICAL SPECIFICATIONS FOR FIRE PROTECTION

GENERAL NOTES:

- A. 5/8" GYPSUM BOARD SCREW ATTACHED TO STEEL FRAMING FOR INTERIOR PARTITIONS AND AT GYPSUM BOARD SOFFITS. PROVIDE RATED WALL CONSTRUCTION WHERE SCHEDULED. PROVIDE MR BOARD AT WET AREAS, I.E. BEHIND SINKS AND AT SHOWERS AND TUBS.
- B. JOINT TREATMENT: 3-COAT SYSTEM FOR APPLICATION OF PAINT FINISHES AND VINYL WALLCOVERING.
- C. TRIM ACCESSORIES: METAL CORNERBEAD, EDGE TRIM AND CONTROL JOINTS. PROVIDE VINYL EDGE TRIM AT EXTERIOR WINDOW HEAD AND JAMB RETURNS.
- D. STEEL FRAMING: 25 GAGE OR TO MEET L/360 STEEL STUDS, DEPTH SCHEDULED.

- A. TYPES OF RESILIENT FLOORING AND ACCESSORIES (REFER TO FLOOR FINISH PLAN FOR COLORS AND PATTERNS).

1. VINYL COMPOSITION TILE (VCT):
 - (1) FROM ARMSTRONG MULTICOLOR PREMIUM EXCELOX
 - (2) FROM ARMSTRONG IMPERIAL TEXTURE / STANDARD EXCELOX
2. SHEET VINYL PRODUCTS (SHT VINYL):
 - SHT VINYL-1: ARMSTRONG MEDITECH WITH 4" SELF COVERED BASE.
3. RESILIENT ACCESSORIES: 4" COVE BASE, VINYL OR RUBBER AND MATCHING REDUCER STRIPS AND OTHER ACCESSORY PRODUCTS

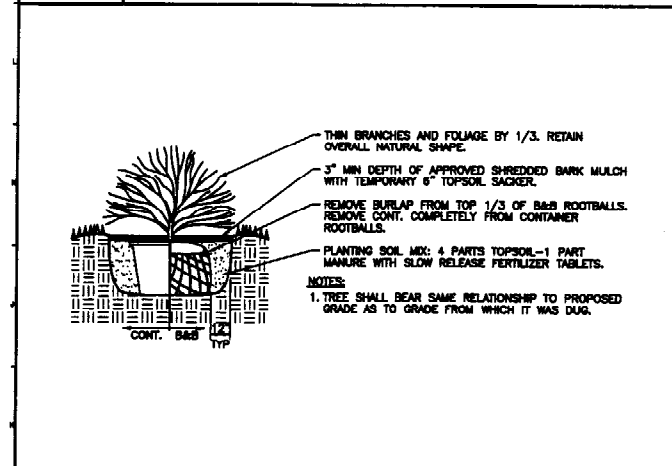


P1 CONCRETE CURB DETAIL
NTS

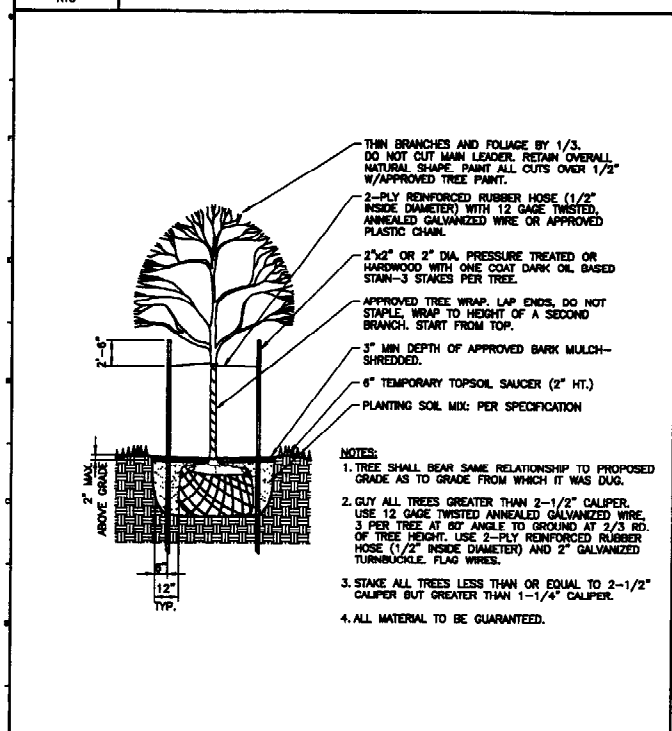
PLANT LIST

QTY	MARK	SCIENTIFIC NAME / COMMON NAME	SIZE CAL.	SIZE HT.	ROOT
8	AR	Acer Rubrum / Red Maple	2 1/2"	-	B&B
15	ED	Euonymus 'Greenkane' / Evergreen Euonymus	-	-	#3 pot
6	TC	Taxus Canadensis / Yew	2"	3 1/2' - 4'	B&B

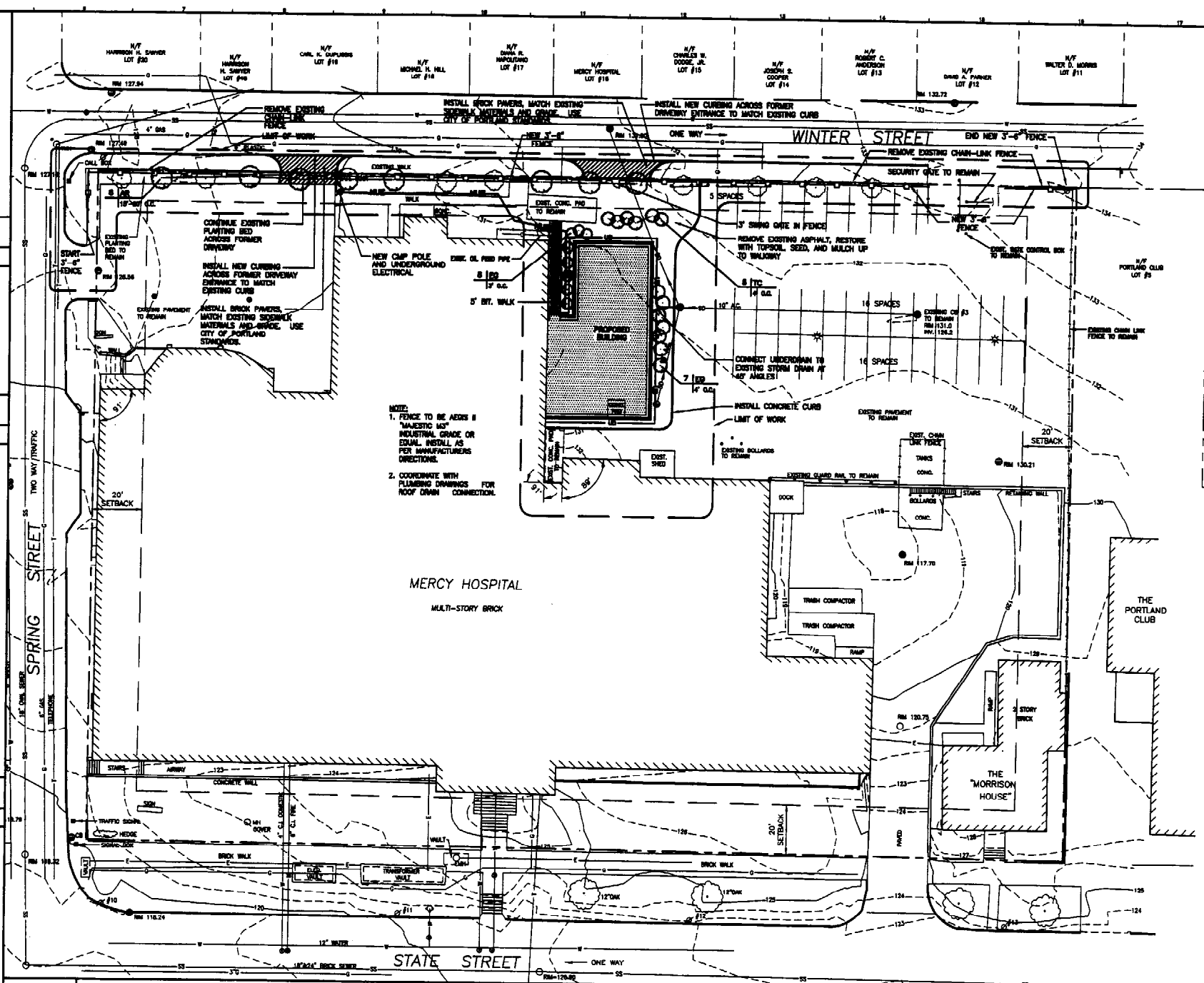
M1 PLANT LIST
NTS



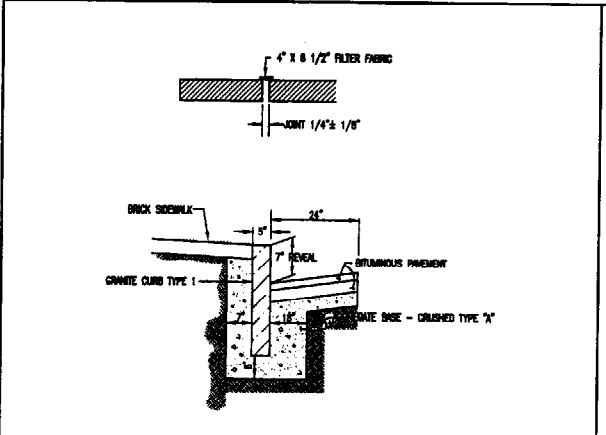
G1 SHRUB PLANTING DETAIL
NTS



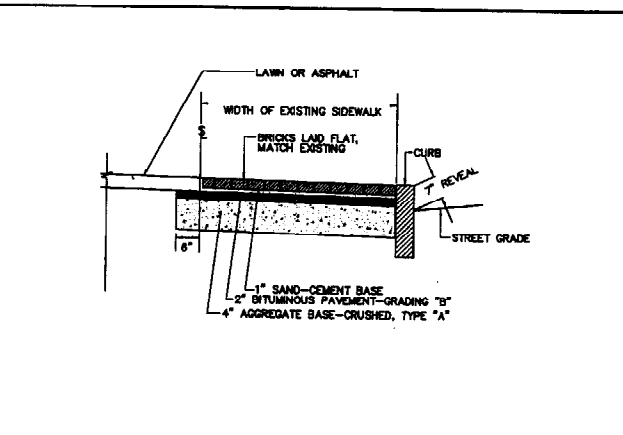
A1 TREE PLANTING DETAIL
NTS



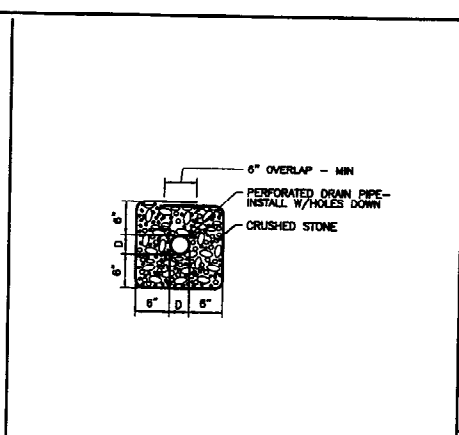
E5 SITE PLAN
1" = 20'



A5 GRANITE CURB DETAIL
NOT TO SCALE



A9 BRICK SIDEWALK DETAIL
NOT TO SCALE



A14 UNDERDRAIN DETAIL
NOT TO SCALE

LANDSCAPING NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL SUPPLY AND INSTALL ALL PLANTS IN SUFFICIENT QUANTITIES TO COMPLETE THE WORK AS SHOWN ON THE DRAWINGS.
2. THE LANDSCAPE CONTRACTOR IS ADVISED THAT BELOW GROUND UTILITIES EXIST ON SITE. THE LOCATIONS OF WHICH SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF OPERATIONS. SHOULD THE LOCATION OF ANY PROPOSED PLANTING CONFLICT WITH ANY UTILITY, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY FOR DECISION.
3. ANY AND ALL PAVING, CURBING, UTILITIES, LAWN, ETC., DAMAGED AS A RESULT OF THE LANDSCAPE CONTRACTOR'S OPERATIONS SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
4. ALL PLANTING BEDS INCLUDING TREE AND SHRUB PITS AS INDICATED SHALL RECEIVE 3\"/>

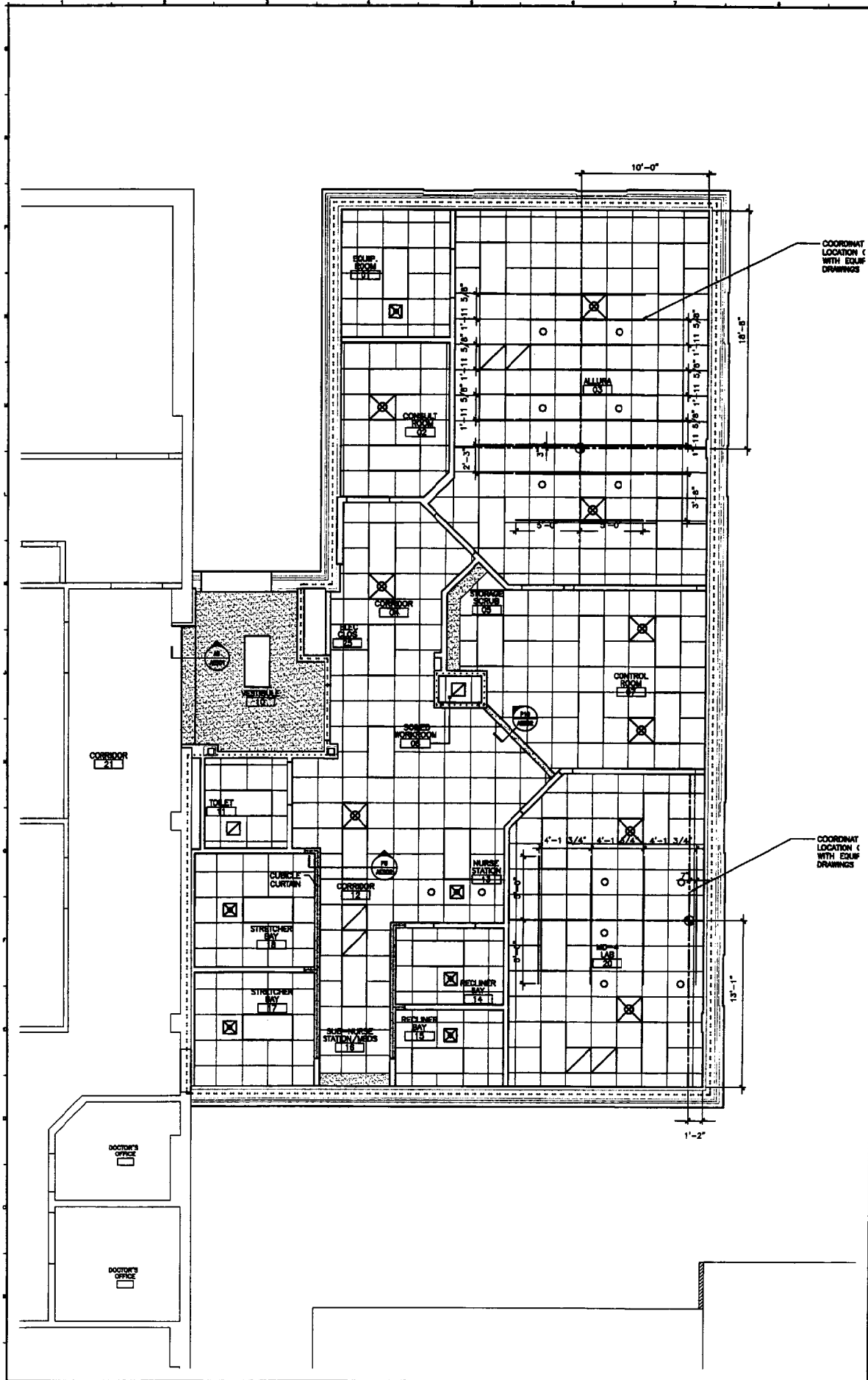
ISSUED FOR CONSTRUCTION
1-19-01

SMRT ARCHITECTURE ENGINEERING PLANNING
144 Fore Street P.O. Box 618
Portland, Maine 04101
Tel: (207) 772-2000
Fax: (207) 772-1070

**MERCY HOSPITAL
SPECIAL PROCEDURES ADDITION**
PROJECT: PORTLAND, MAINE

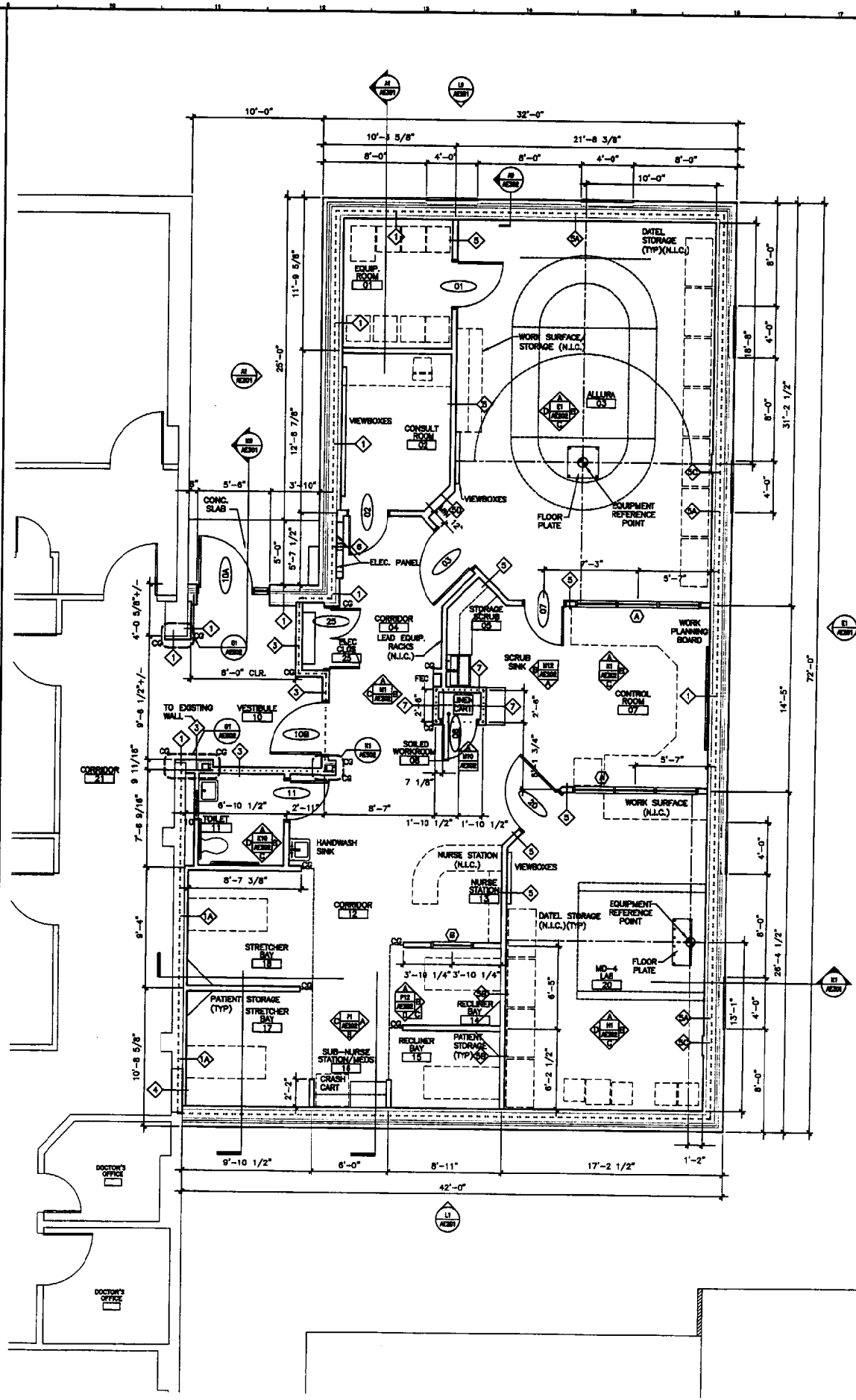
SITE PLAN

SHEET TITLE: CP-101
SCALE: 1" = 20'
DATE: 1-19-01
PROJECT MANAGER: CDP
JOB CAP/DRAWN: CDP/SCK
A/E OF RECORD: ELB
SMRT CAD FILE: CP-101-20109
PROJECT No. 20109



A1 REFLECTED CEILING PLAN

1/4" = 1'-0"



A9 FLOOR PLAN

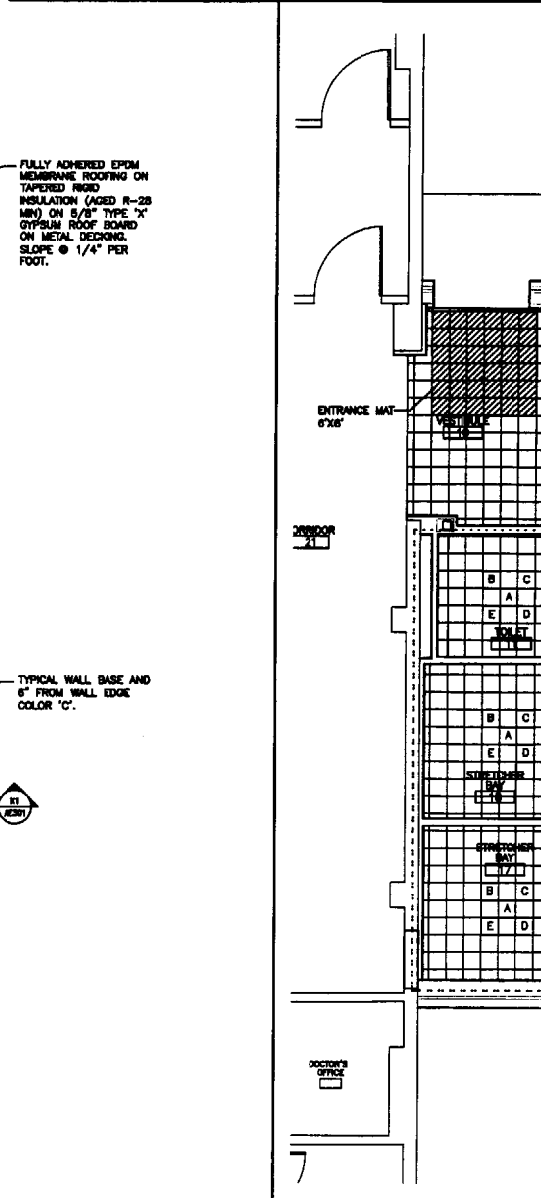
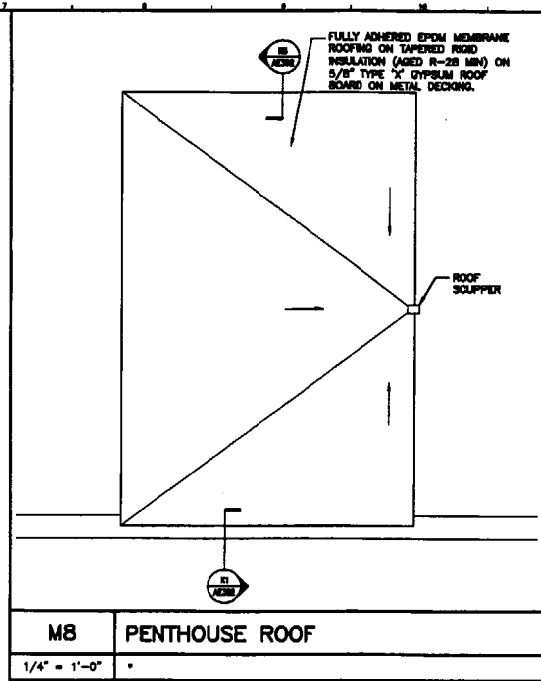
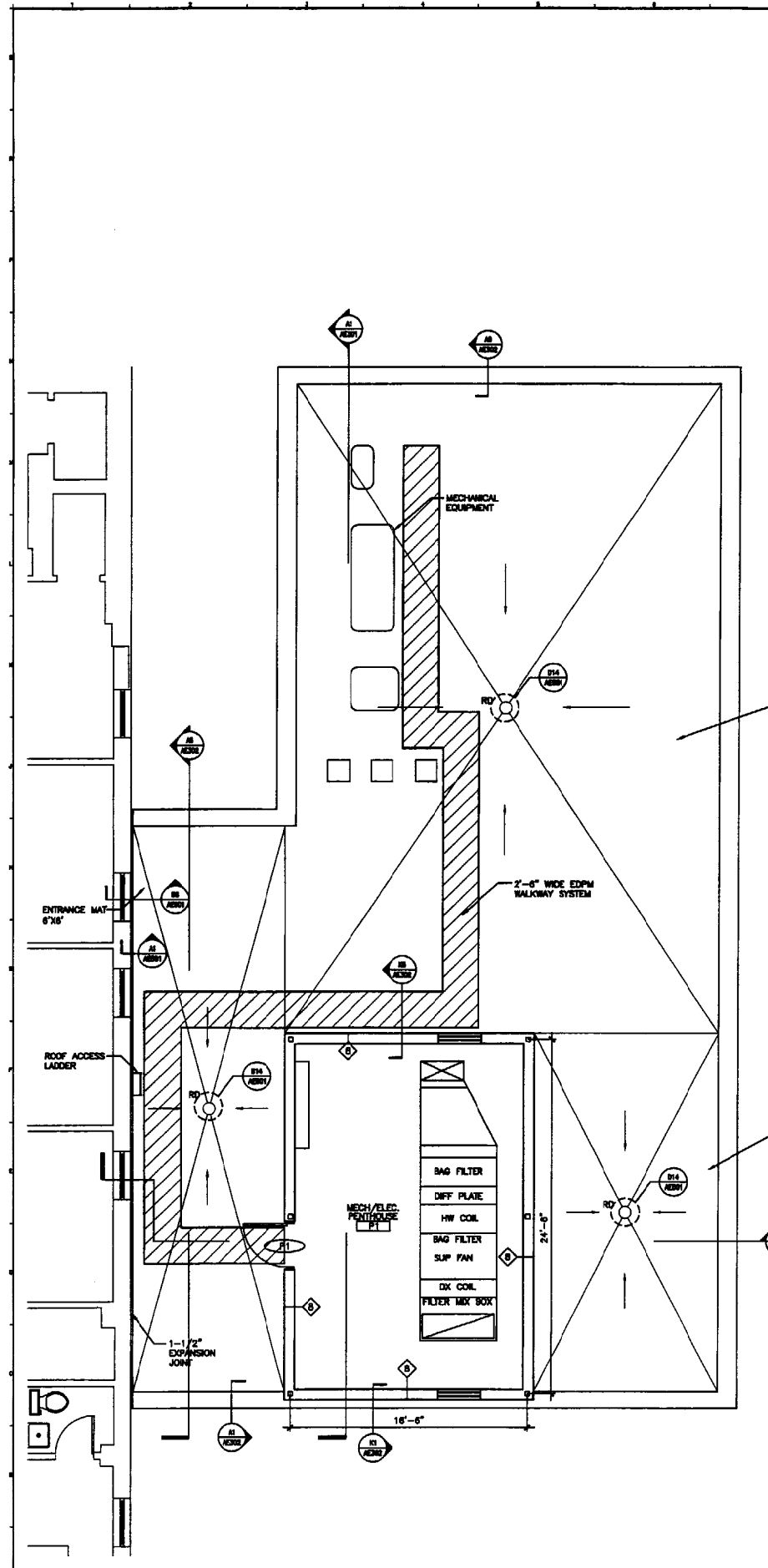
1/4" = 1'-0"

- GENERAL NOTES:**
1. ALL PARTITIONS ARE TYPE \diamond UNLESS OTHERWISE NOTED.
 2. ALL DOOR FRAMES ARE LOCATED 4" FROM FACE OF FINISH WALL TYP. UNLESS NOTED OTHERWISE.
 3. LOCATIONS OF MEDICAL GASES TO BE DETERMINED. PARTITION TYPE \diamond IS INDICATED TO ALLOW FOR MEDICAL GASES.
 4. CONTRACTOR TO COORDINATE ALL PHILIPS MEDICAL SYSTEMS REQUIREMENTS TO BE COMPLETED BY CONTRACTOR. REFER TO EQUIPMENT DRAWINGS FOR DETAILS.

REFLECTED CEILING PLAN NOTES:

- SYMBOL LEGEND**
- \square 2x2 SUSPENDED CEILING PANEL AND GRID ASSEMBLY.
 - \square GWS CEILING.
 - \square 2x2 LAY-IN LIGHT FIXTURE.
 - \square 2x4 LAY-IN LIGHT FIXTURE.
 - \square 1x4 LIGHT FIXTURE.
 - \square FLUORESCENT STRIP FIXTURE.
 - \square DOWN LIGHT.
 - \square CEILING MOUNTED LIGHT.
 - \square RETURN AIR GRILLE.
 - \square SUPPLY AIR GRILLE.
 - \square EXHAUST AIR GRILLE.
 - \square SPRINKLER HEAD.
 - \square CEILING MOUNTED SPEAKER.
 - \square CEILING MOUNTED SMOKE DETECTOR.
 - \square CORNER GUARD.

0	ISSUED FOR CONSTRUCTION	1-19-01
REV.	DESCRIPTION	DATE
ISSUED FOR CONSTRUCTION		
1-19-01		
CURRENT ISSUE STATUS:		
PROJECT NORTH		
SMRT ARCHITECTURE ENGINEERING PLANNING 144 Pine Street/P.O. Box 698 Portland, Maine 04101 TEL: (207) 775-2000 FAX: (207) 775-6898		
MERCY HOSPITAL SPECIAL PROCEDURES ADDITION PORTLAND, MAINE		
FLOOR PLAN AND REFLECTED CEILING PLAN		
SHEET TITLE:		
SCALE: 1/4" = 1'-0"	DATE: 1-19-01	
PROJECT MANAGER: CDP	GRAPHIC SCALE: 0' 1'	
JOB CAP/DRAWING: CDP/		
A/E OF RECORD: ELB		
SMRT CAD FILE: AE101-20109	SHEET No.	
PROJECT No. 20109	AE101	



FINISH FLOOR GENERAL NOTES:
1. -

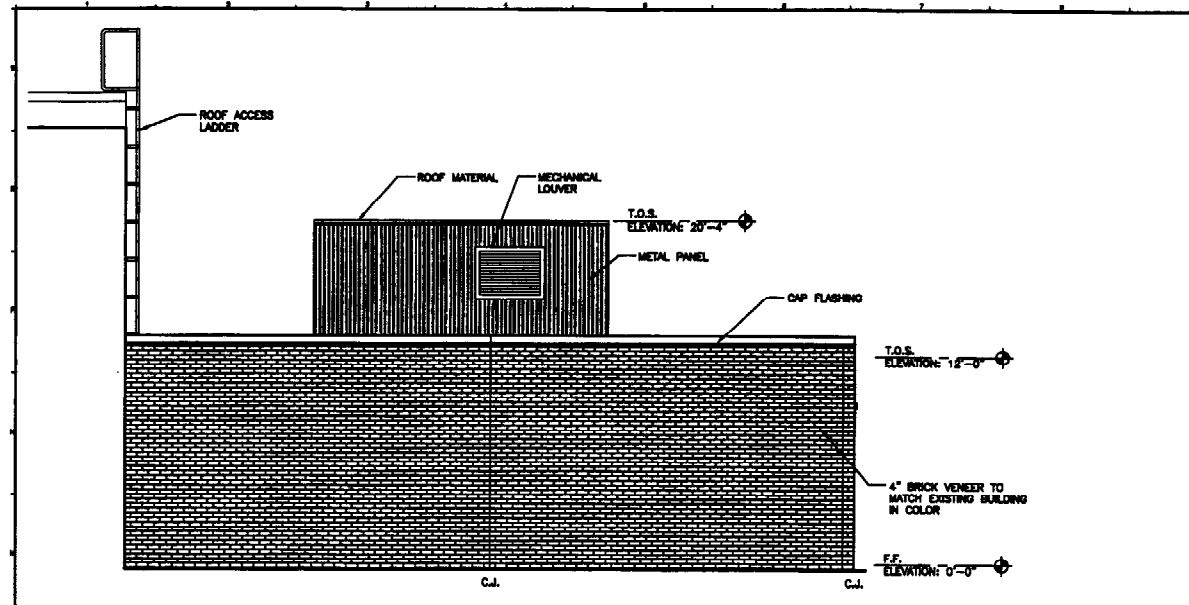
ROOF PLAN GENERAL NOTES:
1. -

- KEY PLAN:**
- SWF-VINYL FLOORING (SVF)
 - SWF-A JADED GREEN (86438)
 - SWF-C TRUE GREEN (86438)
 - SWF-D DEEP PURPLE (86434)
 - SWF-FIELD GYPSOPHILA (86480)
 - VINYL COMPOSITE TILE (VCT)
 - VCT-FIELD HARLEQUIN WHITE (52805)
 - VCT-A LUNAR BLUE (51832)
 - VCT-B TEAL (51808)
 - VCT-C LAVENDER HAZE (51836)
 - VCT-D BUTTERCREAM YELLOW (51800)
 - VCT-E T.B.O.

0	ISSUED FOR CONSTRUCTION	1-19-01
REV.	DESCRIPTION	DATE
ISSUED FOR CONSTRUCTION		
1-19-01		
CURRENT ISSUE STATUS:		
PROJECT NORTH	REGISTERED ARCHITECT	
	ELLEN L. BELKNAP No. 1817 STATE OF MAINE	
SM RT ARCHITECTURE ENGINEERING PLANNING		
144 Pine Street, P.O. Box 608 Portland, Maine 04101 Tel. (207) 773-8000 Fax. (207) 773-6000		
MERCY HOSPITAL		
SPECIAL PROCEDURES ADDITION		
PROJECT: PORTLAND, MAINE		
ROOF AND FLOOR FINISH PLAN		
SHEET TITLE:		
SCALE: 1/4" = 1'-0"	DATE: 1-19-01	
PROJECT MANAGER: CDP	GRAPHIC SCALE: 0" = 1'	
JOB CAP/DRAWN: CDP/		
A/E OF RECORD: ELB		
SMRT CAD FILE: AE102-20109		
PROJECT No. 20109		AE102

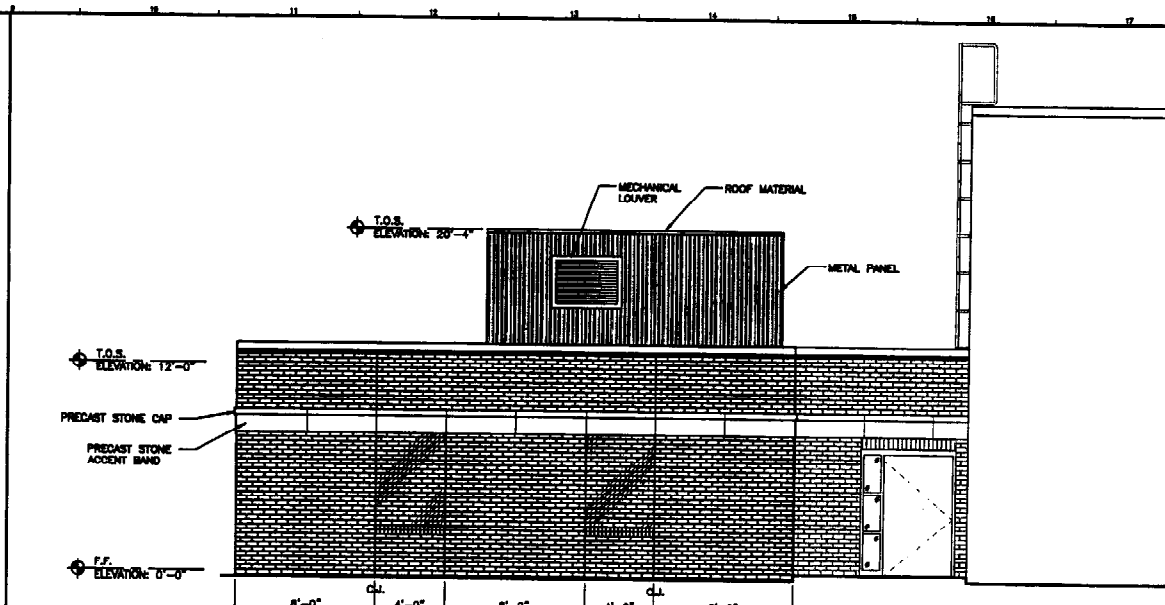
A1 PENTHOUSE AND ROOF PLAN
1/4" = 1'-0"

A9 FINISH FLOOR PLAN
1/4" = 1'-0"



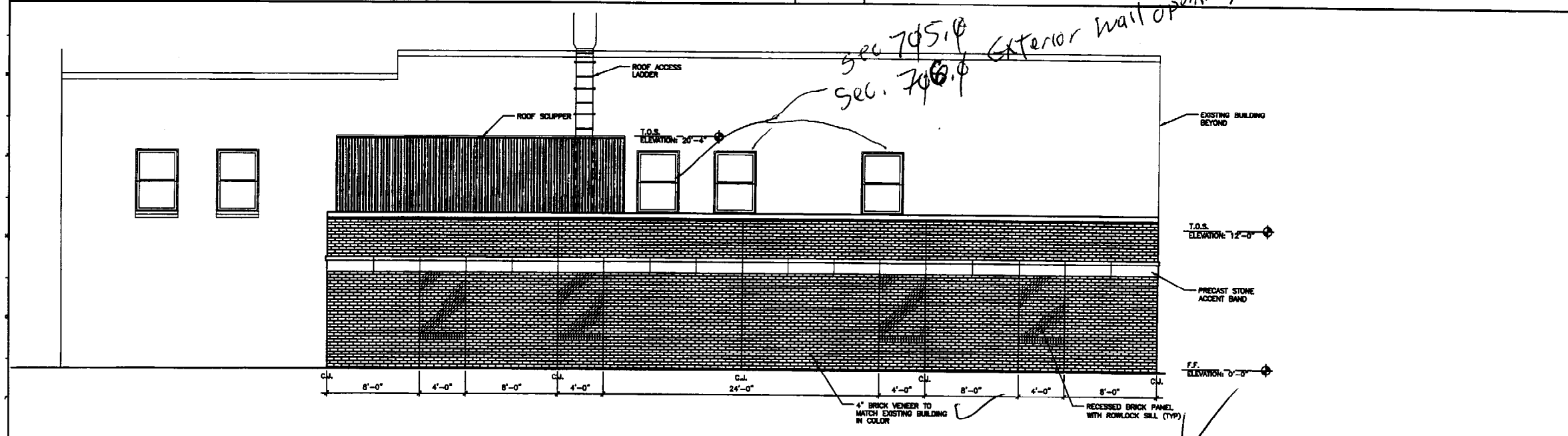
L1 NORTHERN EXTERIOR ELEVATION

1/4" = 1'-0" AE101



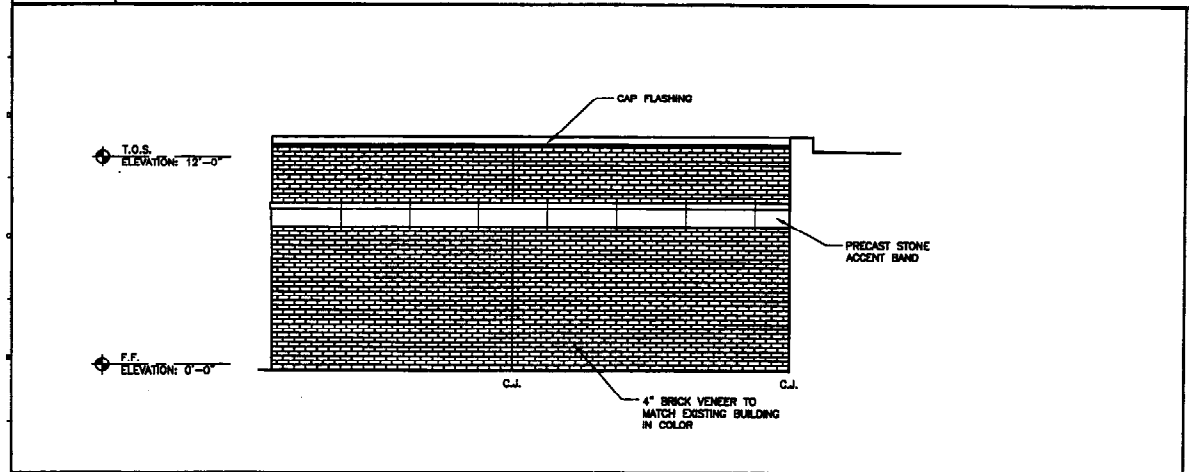
L9 SOUTHERN EXTERIOR ELEVATION

1/4" = 1'-0" AE101



E1 EASTERN EXTERIOR ELEVATION

1/4" = 1'-0" AE101



A1 WESTERN EXTERIOR ELEVATION

1/4" = 1'-0" AE101

A9 -

GENERAL NOTES:

1. -

*see 705.0
see 706.0
Exterior wall of 2011.01*

0	ISSUED FOR CONSTRUCTION	1-19-01
REV.	DESCRIPTION	DATE

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1-19-01

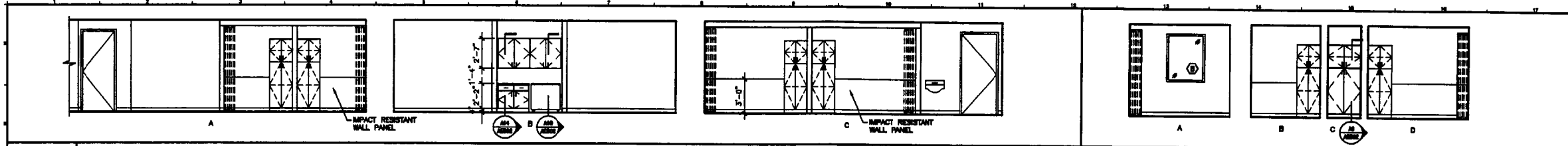


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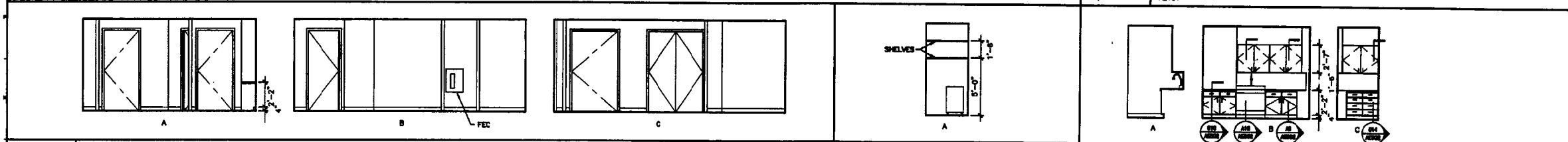
MERCY HOSPITAL
SPECIAL PROCEDURES ADDITION
PORTLAND, MAINE

EXTERIOR ELEVATIONS

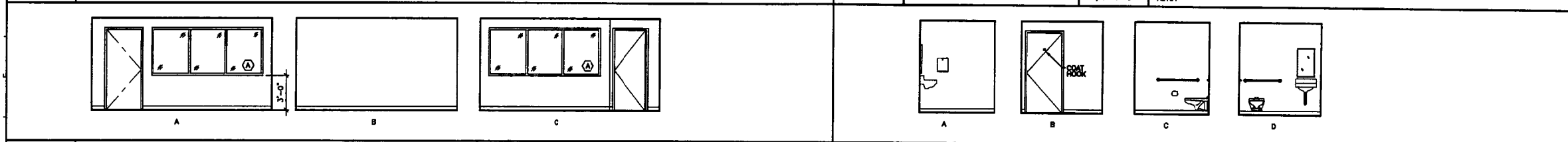
SHEET TITLE:	DATE:	1-19-01
SCALE:	GRAPHIC SCALE:	1" = 10'-0"
PROJECT MANAGER:	A/E OF RECORD:	SHEET No.
JOB CAP/DRAWN:	SMRT CAD FILE:	AE201-20109
PROJECT No.	20109	AE201



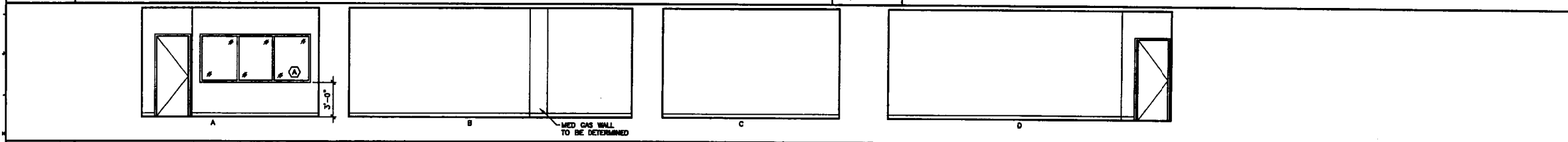
P1 CORRIDOR - 12 **P12 RECLINER BAY - 14 (STRETCHER BAY SIM.)**



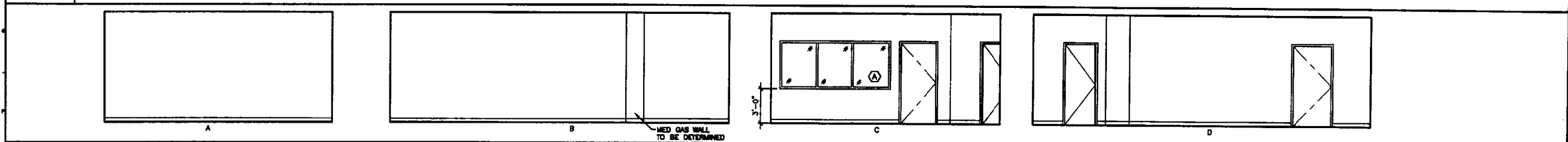
M1 CORRIDOR - 04 **M10 SOILED WORKROOM-08** **M12 STORAGE SCRUB - 05**



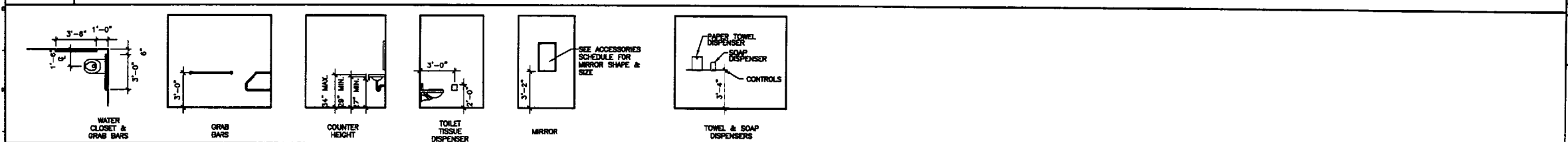
K1 CONTROL ROOM - 07 **K10 TOILET - 11**



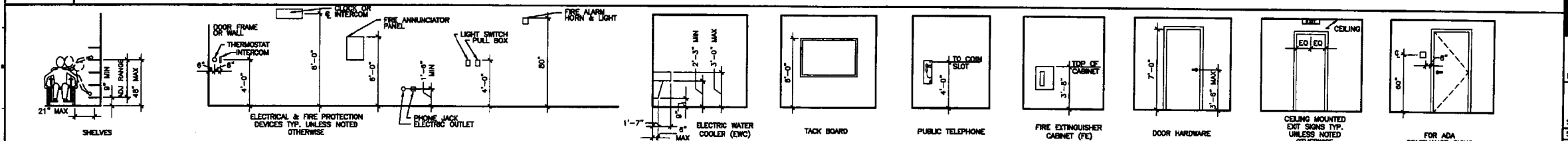
H1 MD-4 LAB - 20



E1 V5000 LAB - 03



C1 STANDARD MOUNTING HEIGHTS



A1 STANDARD MOUNTING HEIGHTS

GENERAL NOTES:

1. -

REV.	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-19-01

ISSUED FOR CONSTRUCTION
1-19-01

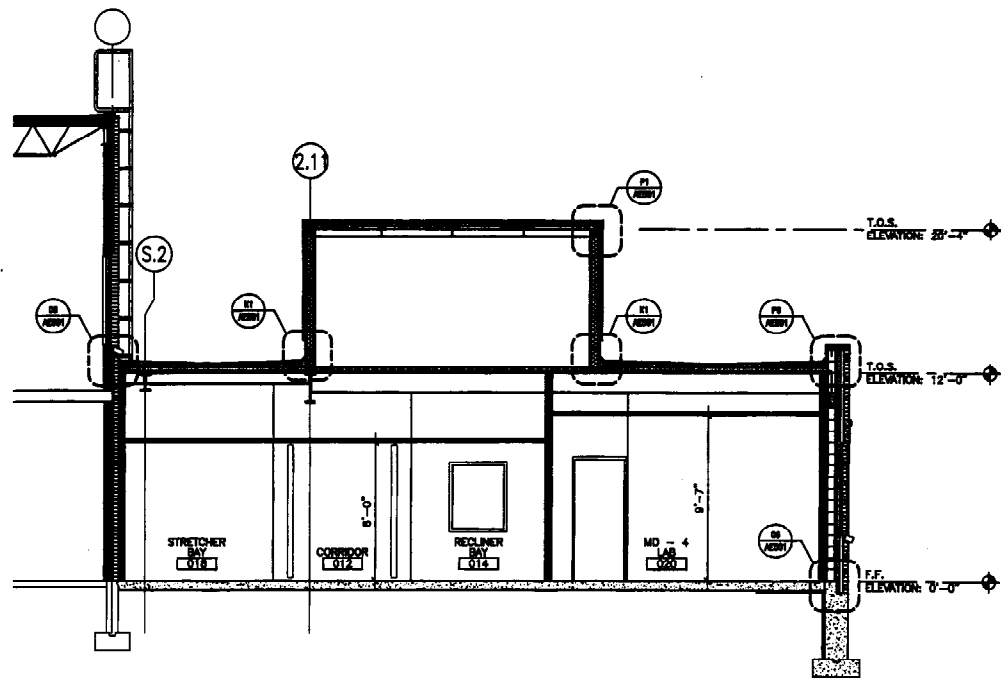


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MERCY HOSPITAL
SPECIAL PROCEDURES ADDITION
PORTLAND, MAINE

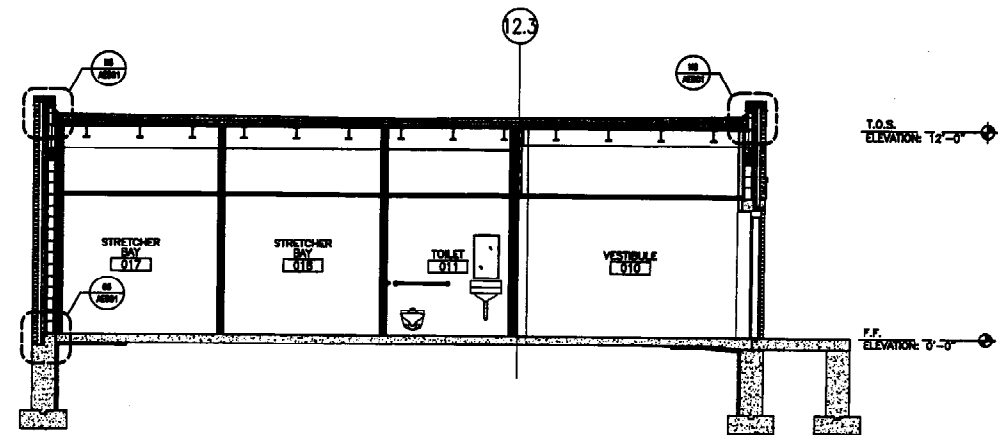
INTERIOR ELEVATIONS AND
STANDARD MOUNTING HEIGHTS

SHEET TITLE:	DATE:
SCALE:	1-19-01
PROJECT MANAGER:	GRAPHIC SCALE: 1" = 1'-0"
JOB CAP/DRAWING:	
A/E OF RECORD:	SHEET No.
SMRT CAD FILE: AE202-20109	AE202
PROJECT No. 20109	



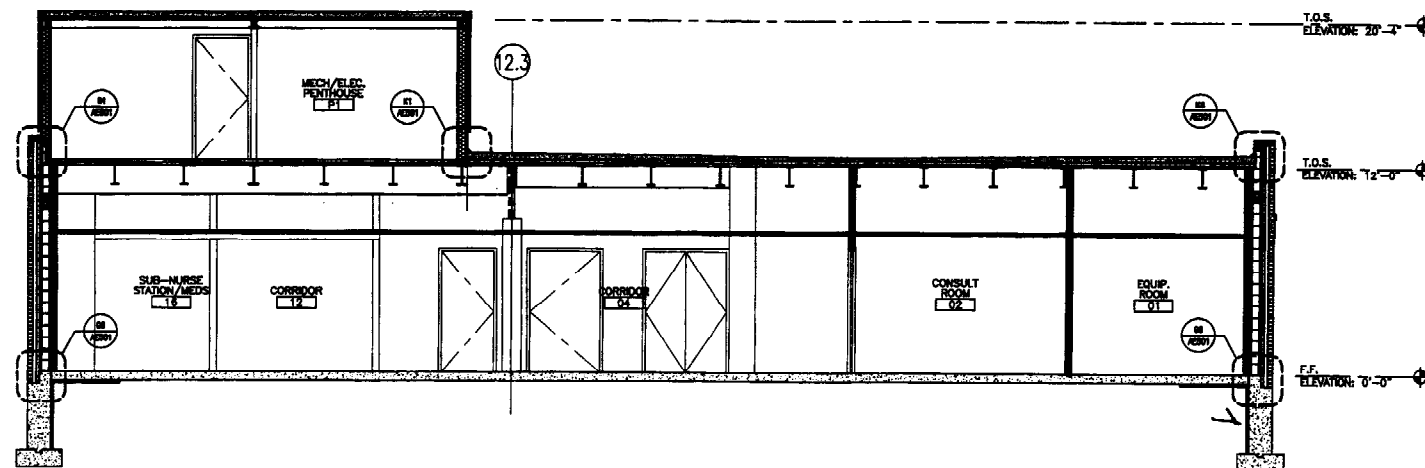
K1 BUILDING SECTION

1/4" = 1'-0" AE101



K9 BUILDING SECTION

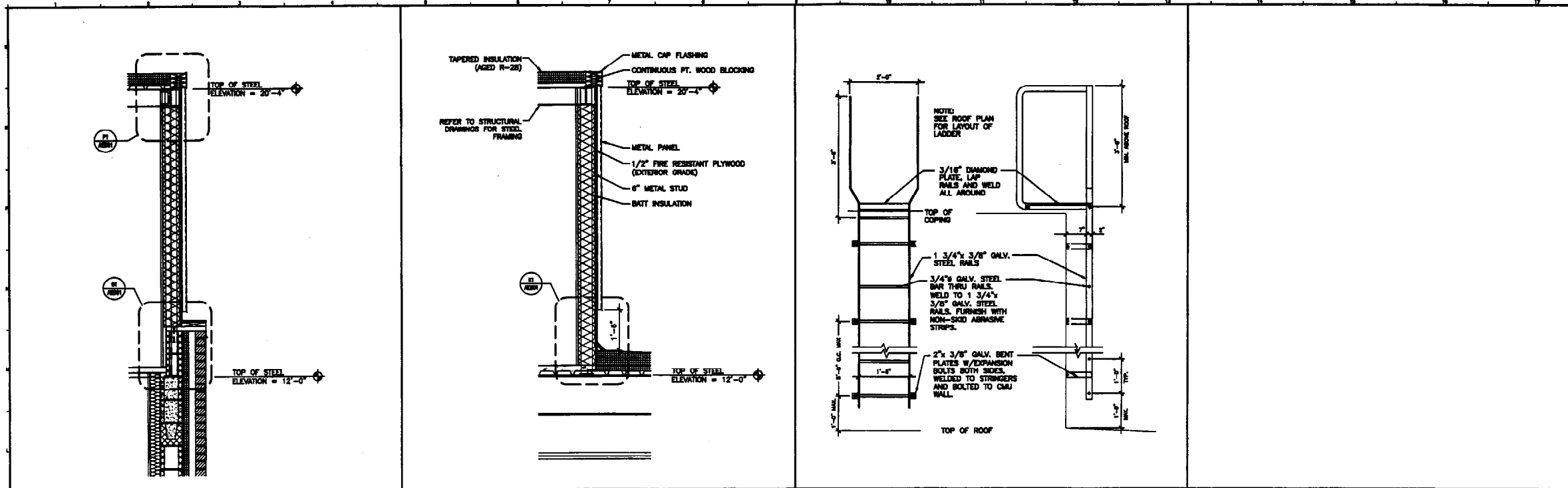
1/4" = 1'-0" AE301



A1 BUILDING SECTION

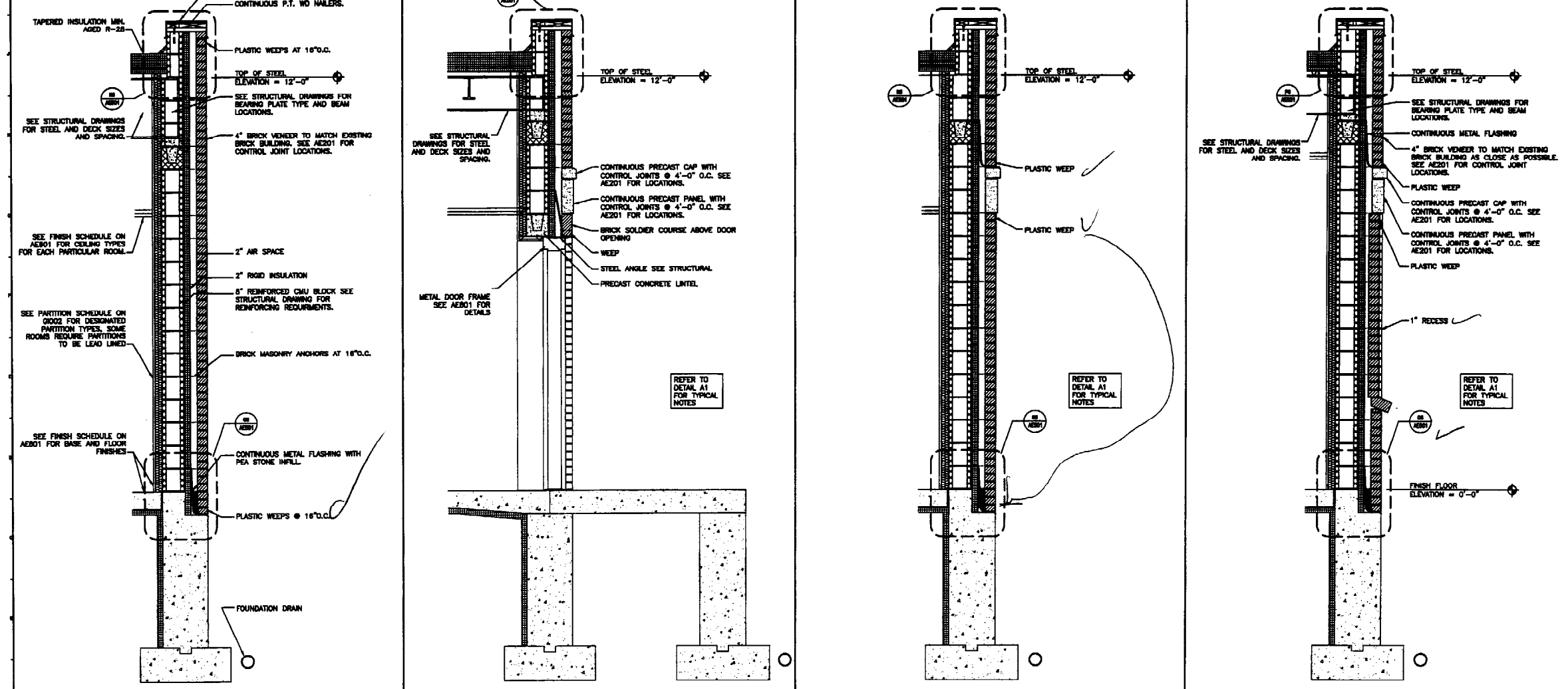
1/4" = 1'-0"

0	ISSUED FOR CONSTRUCTION	1-18-01
REV.	DESCRIPTION	DATE
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MERCY HOSPITAL SPECIAL PROCEDURES ADDITION PORTLAND, MAINE PROJECT:		
BUILDING SECTIONS		
SHEET TITLE:		
SCALE:	DATE:	1-18-01
PROJECT MANAGER:	GRAPHIC SCALE:	0" = 1'
JOB CAP/DRAWN:	SHEET No.	
A/E OF RECORD:	SMRT CAD FILE:	AE301-20109
PROJECT No.	20109	AE301



K1	PENTHOUSE WALL SECTION	K5	PENTHOUSE WALL SECTION	K9	LADDER DETAIL	K14	-
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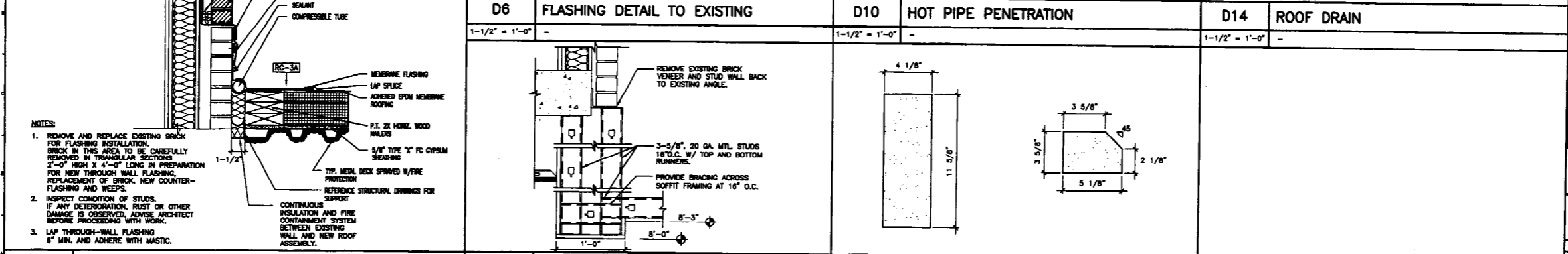
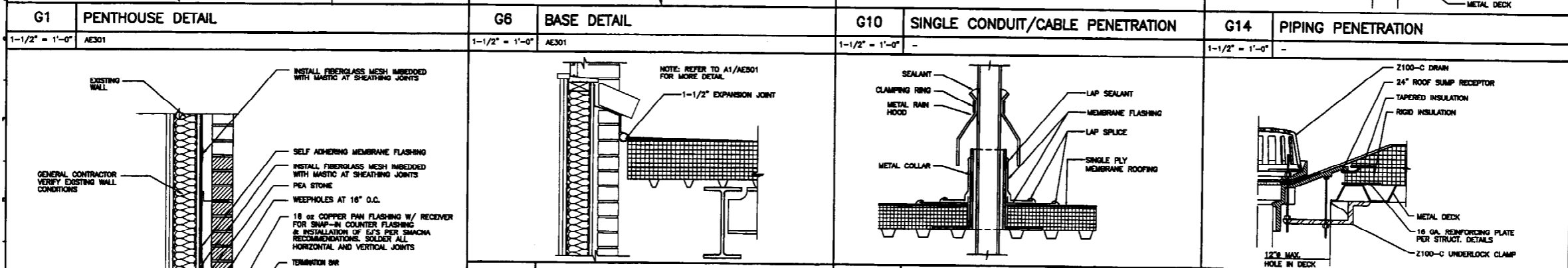
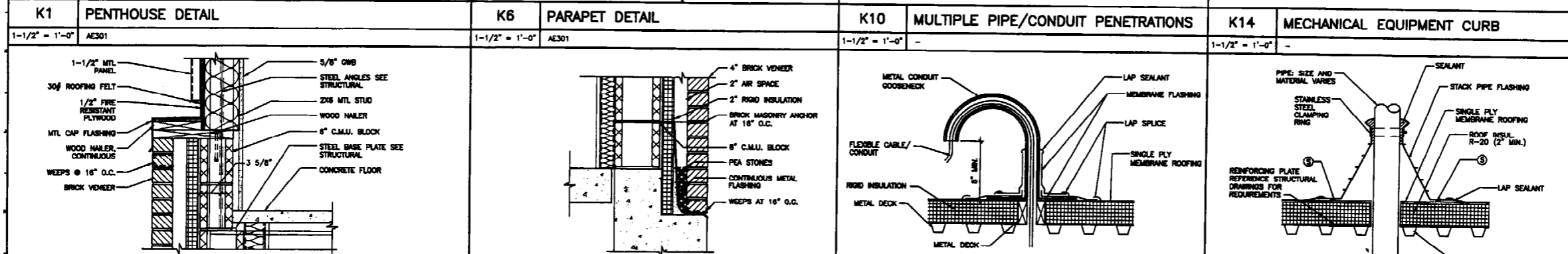
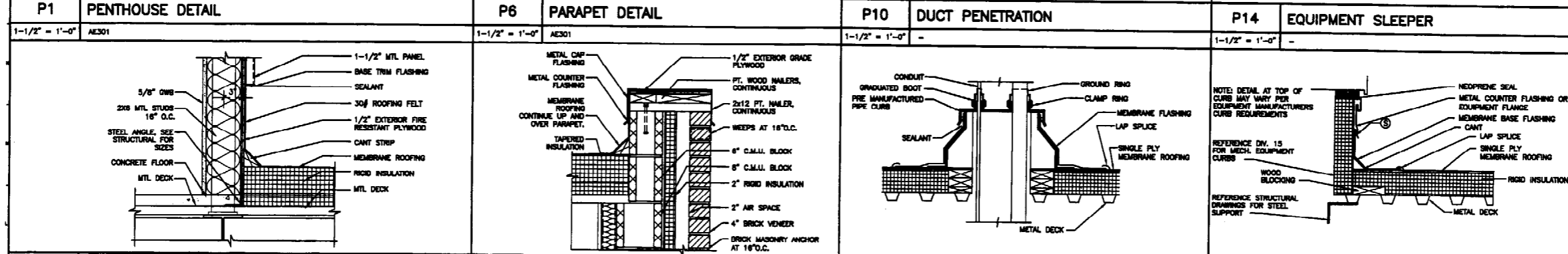
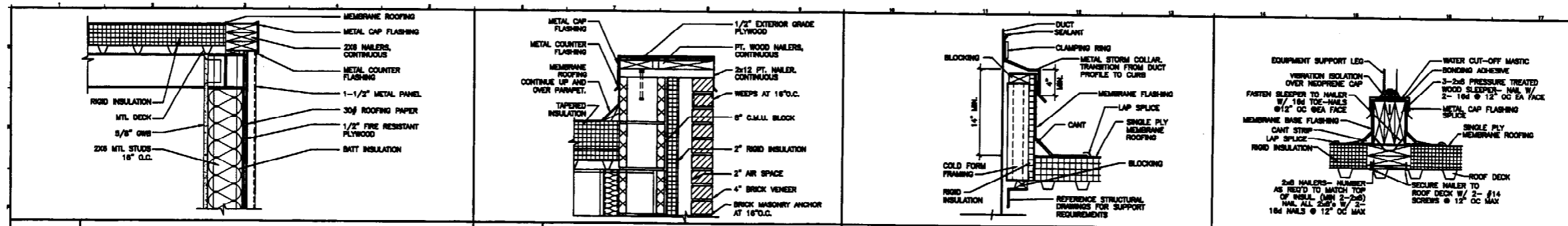
3/4" = 1'-0"	AE301	3/4" = 1'-0"	AE301	3/4" = 1'-0"	AE201, AE301	-	-
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A1	WALL SECTION	A5	*	A9	WALL SECTION	A13	WALL SECTION
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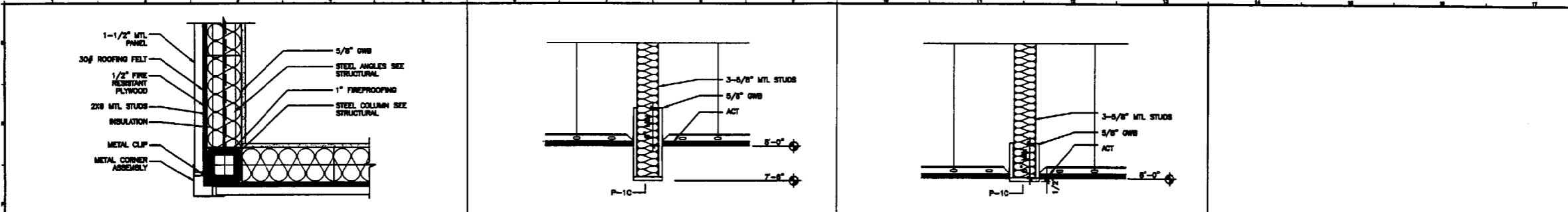
3/4" = 1'-0"	AE101, AE301	3/4" = 1'-0"	AE101, AE301	3/4" = 1'-0"	AE101, AE301	3/4" = 1'-0"	AE101, AE301
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REV. DESCRIPTION	DATE
ISSUED FOR CONSTRUCTION	
1-19-01	
CURRENT ISSUE STATUS:	
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MERCY HOSPITAL SPECIAL PROCEDURES ADDITION PORTLAND, MAINE	
WALL SECTIONS AND DETAILS	
SHEET TITLE:	DATE: 1-19-01
SCALE:	GRAPHIC SCALE: 0" = 1'
PROJECT MANAGER:	JOB CAP/DRAWING:
A/E OF RECORD:	SHEET No.:
SMART CAD FILE: AE302-2010B	AE302
PROJECT No. 2010B	

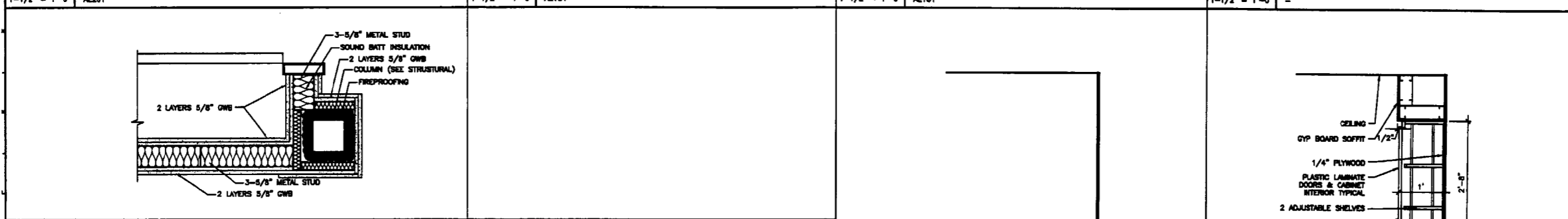


A1	-	A6	HEADER DETAIL TO EXISTING	A10	PRECAST DETAILS
1-1/2" = 1'-0"	-	1-1/2" = 1'-0"	-	3" = 1'-0"	-

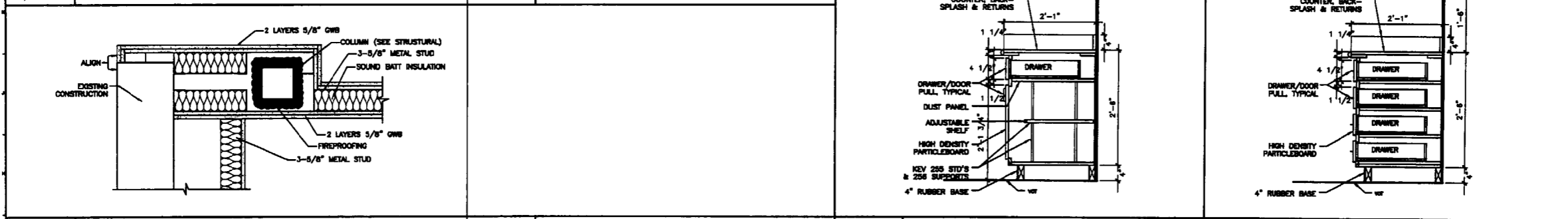
0	ISSUED FOR CONSTRUCTION	1-19-01
REV.	DESCRIPTION	DATE
ISSUED FOR CONSTRUCTION		
1-19-01		
CURRENT ISSUE STATUS:		
SM RT ARCHITECTURE ENGINEERING PLANNING 144 Park Street, P.O. Box 418 Portland, Maine 04104 Tel. (207) 772-8846 Fax. (207) 772-1070		
MERCY HOSPITAL SPECIAL PROCEDURES ADDITION PORTLAND, MAINE		
DETAILS		
SHEET TITLE:	DATE: 1-19-01	
SCALE:	GRAPHIC SCALE: 0"	
PROJECT MANAGER:	JOB CAP/DRAWING:	
A/E OF RECORD:	SHEET No. AE501	
SMRT CAD FILE: AE501-20109	PROJECT No. 20109	



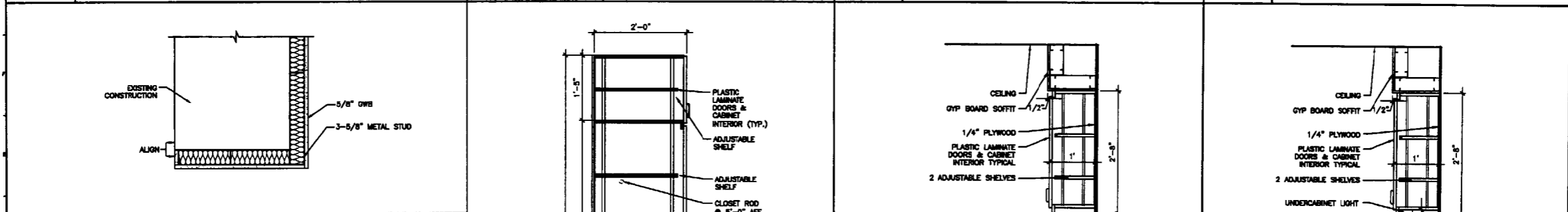
P1 PENTHOUSE DETAIL 1-1/2" = 1'-0" AE201
P6 - 1-1/2" = 1'-0" AE101
P10 - 1-1/2" = 1'-0" AE101
P14 - 1-1/2" = 1'-0" -



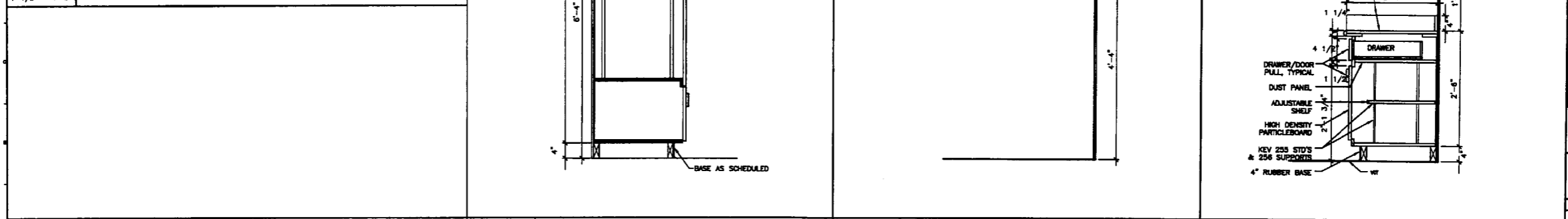
K1 PLAN DETAIL - 2 HOUR WALL 1-1/2" = 1'-0" AE101
K6 - 1-1/2" = 1'-0" AE301




G1 PLAN DETAIL - 2 HOUR WALL 1-1/2" = 1'-0" AE101
G6 - 1-1/2" = 1'-0" AE301



D1 PLAN DETAIL 1-1/2" = 1'-0" -
G10 CASEWORK DETAIL 1" = 1'-0" -



A6 CASEWORK DETAIL 1" = 1'-0" -
A10 CASEWORK DETAIL 1" = 1'-0" -
A14 CASEWORK DETAIL 1" = 1'-0" -

0	ISSUED FOR CONSTRUCTION	1-19-01
REV.	DESCRIPTION	DATE
ISSUED FOR CONSTRUCTION		
1-19-01		
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SM RT ARCHITECTURE ENGINEERING PLANNING 144 Pine Street, P.O. Box 618 Portland, Maine 04104 Tel. (207) 772-2846 Fax. (207) 772-8270		
MERCY HOSPITAL SPECIAL PROCEDURES ADDITION PORTLAND, MAINE		
DETAILS		
SHEET TITLE:	DATE: 1-19-01	
SCALE:	GRAPHIC SCALE: 0"	
PROJECT MANAGER:	SHEET No.	
JOB CAP/DRAWING:	AE502	
A/E OF RECORD:	PROJECT No. 20109	
SMRT CAD FILE: AE502-20109		

ROOM FINISH SCHEDULE											
ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS				CEILING		ROOM NUMBER	REMARKS
				NORTH	SOUTH	EAST	WEST	MATERIAL	HEIGHT		
01	EQUIPMENT ROOM	VCT	VNYL	P1	P1	P1	P1	ACT-1	8'-0"	01	
02	CONSULT ROOM	VCT	VNYL	P1	P1	P1/ACCENT	P1	ACT-2	8'-0"	02	
03	ALLURM	SVF	SVF	P2	P2	P2	P2	ACT-3	8'-7"	03	
04	CORRIDOR	VCT	VNYL	P1	P1	P1	P1	ACT-2	8'-0"	04	
05	STORAGE SCRUB	VCT	VNYL	P2	P2	P2	P2	ACT-1	8'-0"	05	
07	CONTROL ROOM	VCT	VNYL	P1	P1	P1	P1	ACT-1	8'-0"	07	
08	SOLED WORKROOM	VCT	VNYL	P2	P2	P2	P2	ACT-1	8'-0"	08	
10	VESTIBULE	VCT	VNYL	P2	P2	P2	P2	QWB	8'-3"	10	
11	TOILET	VCT	VNYL	P2	P2/ACCENT	P2	P2	ACT-2	8'-0"	11	
12	CORRIDOR	VCT	VNYL	P1	P1	P1	P1	ACT-2	8'-0"	12	
13	NURSE STATION	VCT	VNYL	P1	P1	P1	P1	ACT-2	8'-0"	13	
14	REDLINER BAY	VCT	VNYL	P1	P1	P1	P1/ACCENT	ACT-2	8'-0"	14	
15	REDLINER BAY	VCT	VNYL	P1	P1	P1	P1/ACCENT	ACT-2	8'-0"	15	
16	SUB-NURSE STATION/MEDS	VCT	VNYL	P1	P1	P1	P1	ACT-2	8'-0"	16	
17	STRETCHER BAY	VCT	VNYL	P1	P1/ACCENT	P1	P1	ACT-2	8'-0"	17	
18	STRETCHER BAY	VCT	VNYL	P1	P1/ACCENT	P1	P1	ACT-2	8'-0"	18	
20	MD-4 LAB	SVF	SVF	P2	P2	P2	P2	ACT-3	9'-8"	20	
21	CORRIDOR	VCT	VNYL	P1	P1	P1	P1	ACT-2	8'-0"	21	
25	ELEC CLOSET	VCT	VNYL	P1	P1	P1	P1	ACT-1	8'-0"	25	
P1	MECH/ELEC. PENTHOUSE	SEALD CONC								P1	

DOOR SCHEDULE													
DOOR NUMBER	SIZE	DOOR	MATERIAL	ELEVATION	GLAZING	FRAME			HWS	FINE FINISH (GWL)	DOOR NUMBER	REMARKS	
						MATERIAL	ELEVATION	HEAD					
01	3'-6" X 7'-0" X 1 3/4"	WD	NG	TEMP/LEAD		HM/LEAD	1	E1/AE001	A1/AE001		HW2	01	LEAD LINED
02	3'-0" X 7'-0" X 1 3/4"	WD	F			HM	1	E1/AE001	A1/AE001		HW2	02	
03	4'-0" X 7'-0" X 1 3/4"	WD	NG	TEMP/LEAD		HM/LEAD	1	E1/AE001	A1/AE001		HW1	03	LEAD LINED, DOOR OPERATOR (PUSH PAD)
07	3'-0" X 7'-0" X 1 3/4"	WD	NG	TEMP/LEAD	H/LEAD		1	E1/AE001	A1/AE001		HW1	07	LEAD LINED, DOOR OPERATOR (PUSH PAD)
08	2'-6" X 7'-0" X 1 3/4"	WD	F			HM	1	E1/AE001	A1/AE001		HW5	08	CLOSER
10A	4'-0" X 7'-0" X 1 3/4"	ALUM	F0	INS/TEMP		ALUM	3	E8/AE001	A8/AE001		HW6	10A	EXIT DEVICE
10B	4'-0" X 7'-0" X 1 3/4"	WD	H2	TEMP		HM	1	E3/AE001	A3/AE001		HW7	10B	EXIT DEVICE, DOOR OPERATOR (PUSH PAD)
11	3'-0" X 7'-0" X 1 3/4"	WD	F			HM	1	E1/AE001	A1/AE001		HW4	11	
20	4'-0" X 7'-0" X 1 3/4"	WD	NG	TEMP/LEAD		HM/LEAD	1	E1/AE001	A1/AE001		HW1	20	LEAD LINED, DOOR OPERATOR (PUSH PAD)
25	(PWS) 2'-4" X 7'-0" X 1 3/4"	WD	F			HM	2	E1/AE001	A1/AE001		HW6	25	
P1	3'-0" X 7'-0" X 1 3/4"	HM	F			HM	1				HW6	P1	EXTERIOR PENTHOUSE

FINISH ABBREVIATIONS
 VNYL COMPOSITE TILE (VCT)
 REFER TO FLOOR FINISH DRAWINGS FOR PATTERN LOCATIONS.
 VCT-FIELD HARLEQUIN WHITE 52505
 VCT-A LUNAR BLUE 51932
 VCT-B TEAL 51906
 VCT-C LAVENDER HAZE 51935
 VCT-D BUTTERCREAM YELLOW 51800

SEAMLESS VINYL FLOORING (SVF)
 SEE FLOOR FINISH DRAWINGS FOR PATTERN LOCATIONS.
 SVF-1 MED TECH W/ACCENTS
 SVF-1 (FIELD) GYPSOPHILIA 86480
 SVF-1 (A) JADED GREEN 86438
 SVF-1 (C) TRUE BLUE 86438

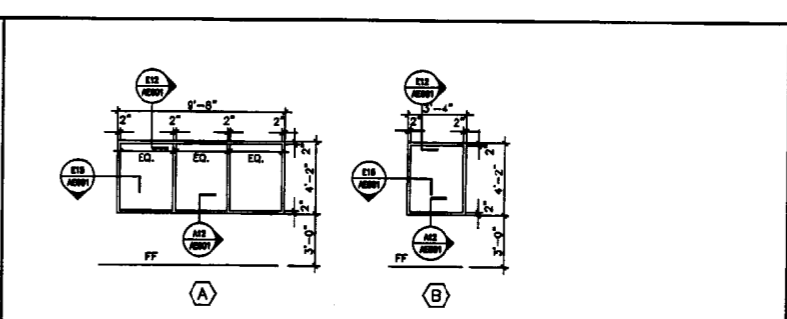
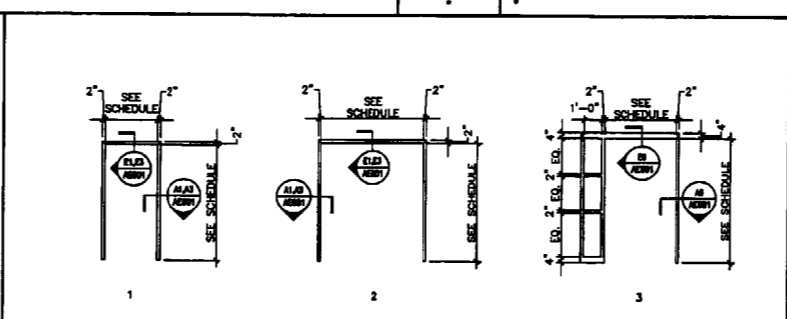
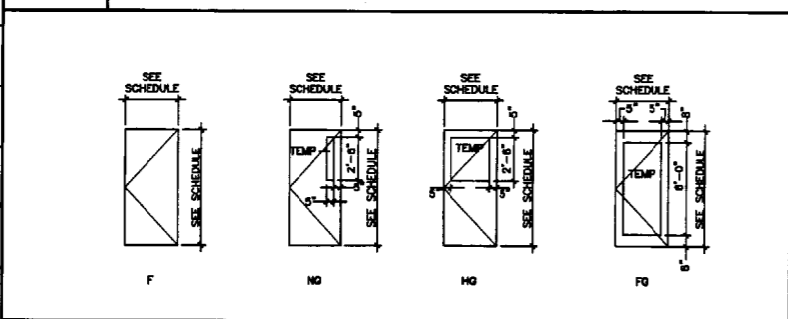
ACOUSTICAL CEILING TILES (ACT)
 ACT-1 ACOUSTICAL CEILING TILES - COMMON AREAS
 ACT-2 ACOUSTICAL CEILING TILES - WORK AREAS
 ACT-3 ACOUSTICAL CEILING TILES - MEDICAL AREAS

PAINT (P)
 P-1A TBD
 P-1B TBD
 P-1C CHARLIC CLOVE (PITTSBURGH)
 P-1D TBD
 P-1E TBD
 P-2 EPOXY (COLORS SIMILAR)

GENERAL NOTES:
 1. REFER TO INTERIOR ELEVATIONS FOR FINISH DESIGNATION.
 2. PROVIDE VCT PATTERN W/FIELD AND (4) ACCENT COLORS. REFER TO FLOOR FINISH PLAN.
 3. ALL QWB CEILINGS TO RECEIVE P-1C (PAINT) UNLESS NOTED OTHERWISE

M1 ROOM FINISH SCHEDULE

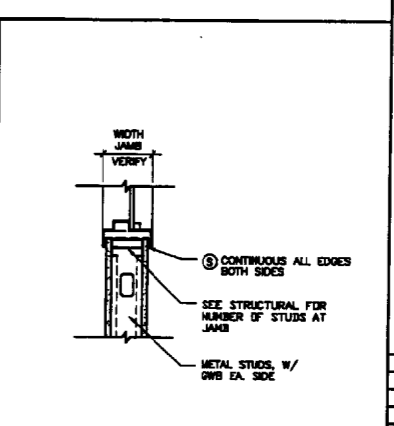
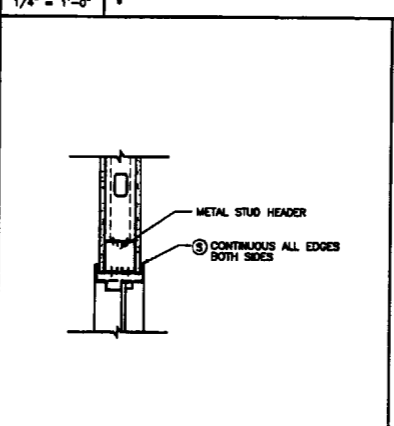
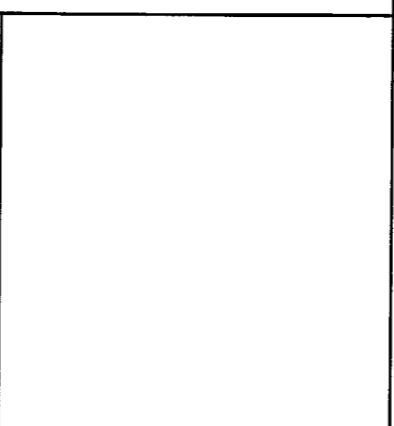
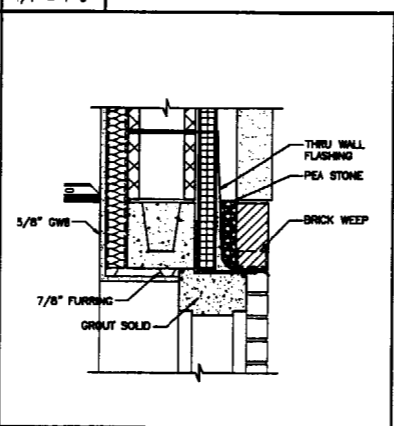
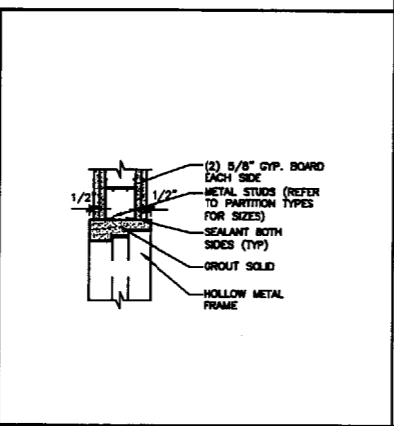
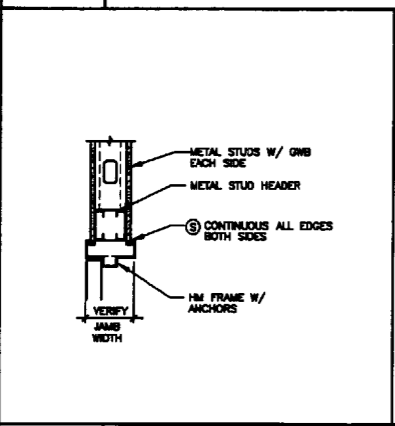
M9 DOOR SCHEDULE



J1 DOOR TYPES

J6 FRAME TYPES

J12 WINDOW TYPES



E1 HEAD DETAIL

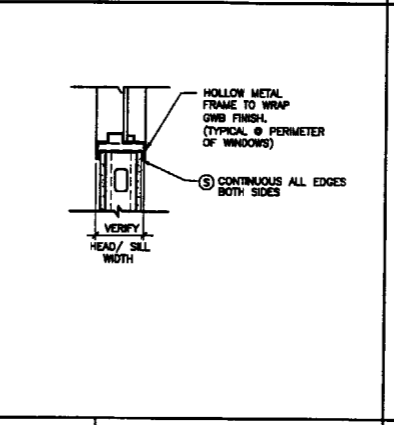
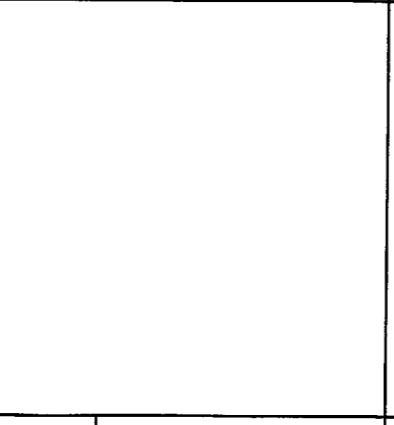
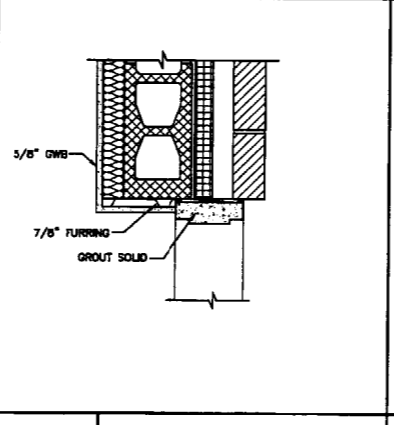
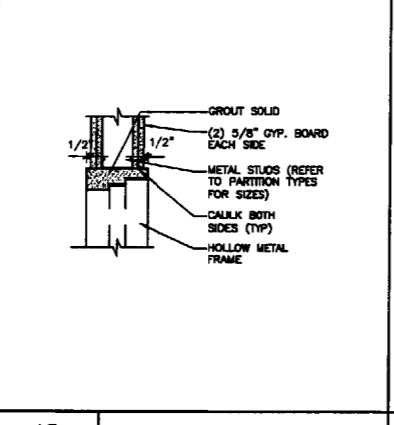
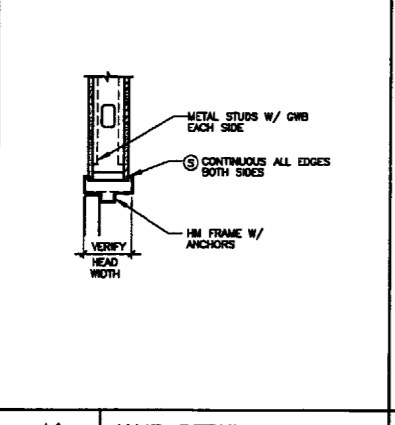
E3 HEAD DETAIL

E6 HEAD DETAIL

E9 HEAD DETAIL

E12 HEAD DETAIL

E15 JAMB DETAIL



A1 JAMB DETAIL

A3 JAMB DETAIL

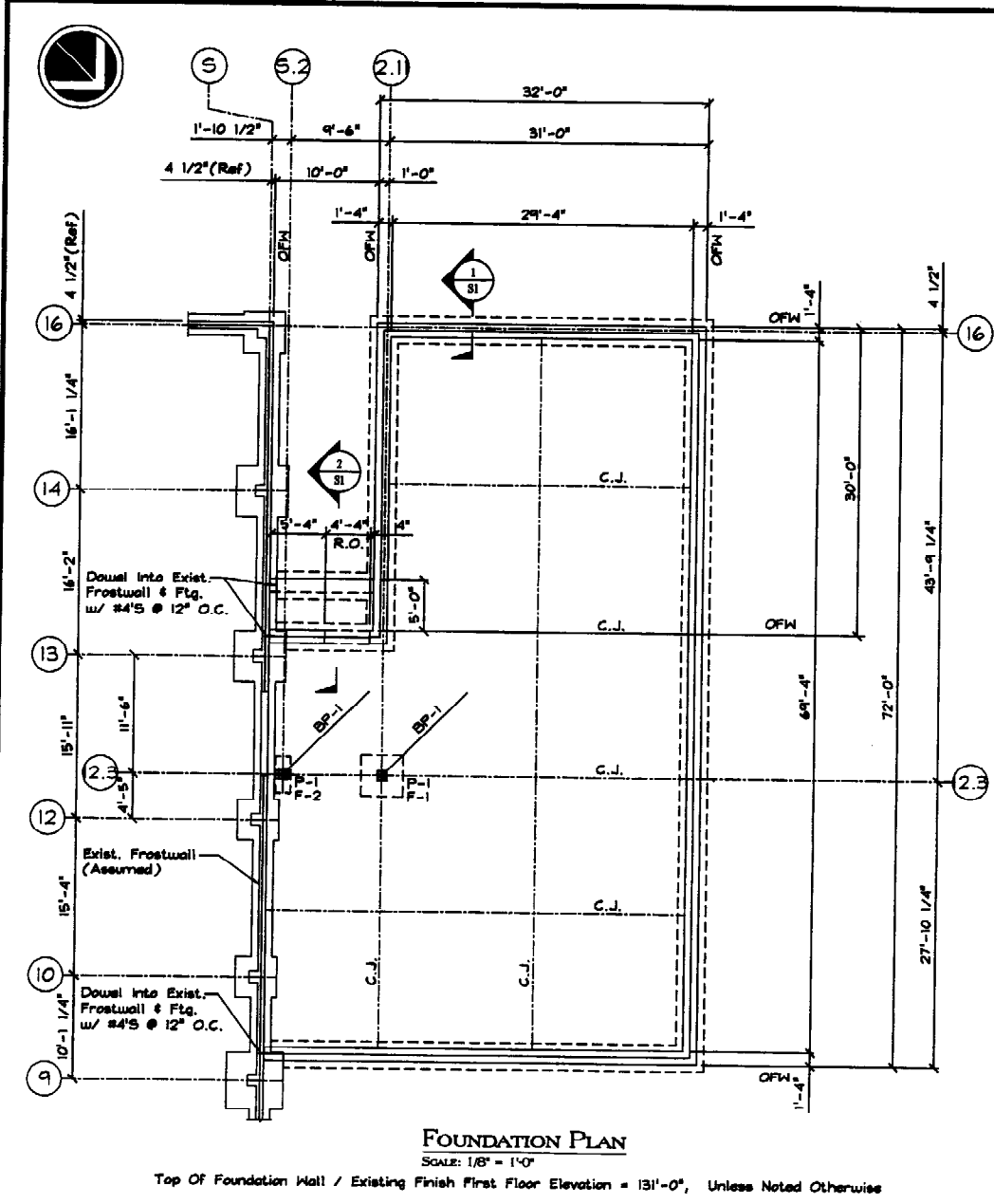
A6 JAMB DETAIL

A9 JAMB DETAIL

A12 SILL DETAIL

A15 JAMB DETAIL

0	ISSUED FOR CONSTRUCTION	1-19-01
REV.	DESCRIPTION	DATE
ISSUED FOR CONSTRUCTION		
1-19-01		
CURRENT ISSUE STATUS:		
ARCHITECTURE ENGINEERING PLANNING SHEET 144 Fore Street, P.O. Box 618 Portland, Maine 04104 tel. (207) 772-3846 fax. (207) 772-1070		
MERCY HOSPITAL SPECIAL PROCEDURES ADDITION PORTLAND, MAINE		
DOOR & FINISH SCHEDULES, DOOR AND WINDOW DETAILS		
SHEET TITLE:	DATE:	1-19-01
PROJECT MANAGER:	GRAPHIC SCALE:	
JOB CAP/DRWNR:	A/E OF RECORD:	SHEET No.
SMRT CAD FILE: AE001-20109	PROJECT No.	20109
		AE601



FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

Top Of Foundation Wall / Existing Finish First Floor Elevation = 131'-0", Unless Noted Otherwise

CONCRETE NOTES:

1. ALL CONCRETE WORK SHALL CONFORM TO ACI-308-LATEST EDITION
2. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 3000 PSI. MAXIMUM SIZE AGGREGATE SHALL BE 3/4". (SLAB TO BE 4000 PSI)
3. CONCRETE TO REMAIN EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.
4. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.
5. REINFORCING BARS SHALL CONFORM TO ASTM A63 GRADE 60. DEFORMED BARS SHALL BE DETAILED AND FABRICATED IN ACCORDANCE TO ACI-308 LATEST EDITION AND PLACED IN ACCORDANCE WITH ACI-308.
6. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A63 AND BE PROVIDED IN FLAT SHEETS.
7. SPLICES OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI-308. SPLICES OF #6'S SHALL BE 6" MINIMUM.
8. ANCHOR BOLTS SHALL CONFORM TO ASTM A307.
9. HOOKS NOT DESIGNATED SHALL BE ACI STANDARD HOOKS.
10. CONCRETE COVER OVER REINFORCEMENT SHALL BE AS FOLLOWS:
CONCRETE CAST AGAINST EARTH - 3"
CONCRETE EXPOSED TO EARTH OR WEATHER - 1 1/2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER - 3/4"
11. SUBMIT COMPLETE REBAR SHOP DRAWINGS AND SCHEDULES SHOWING ALL DETAILS AND ELEVATIONS PRIOR TO ANY FABRICATION.

FOUNDATION NOTES:

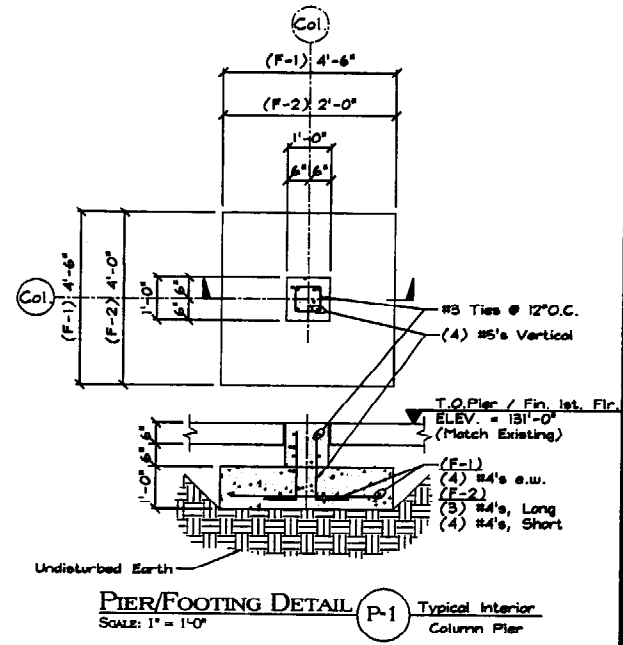
1. FOUNDATION DESIGNED BASED ON AN ASSUMED MAXIMUM ALLOWABLE BEARING PRESSURE OF 3000 PSF. IT IS THE RESPONSIBILITY OF THE OWNER/CONTRACTOR TO VERIFY THE SOIL BEARING CAPACITY. NOTIFY THE ENGINEER AND STOP WORK IF CLAY, NET SOILS, FILL, OR OTHER DELETERIOUS MATERIALS ARE ENCOUNTERED.
2. DESIGN OF EXTERIOR FOUNDATIONS IS BASED ON A FROST DEPTH OF 4'-4" BELOW FINISHED GRADE.
3. NO HORIZONTAL JOINT WILL BE PERMITTED IN THE WALLS OR SLABS UNLESS NOTED OTHERWISE.
4. FOUNDATION CONTRACTOR SHALL SET COLUMN ANCHOR BOLTS AND LEVELING PLATES, INCLUDING GROUTING, AS PER THE STRUCTURAL STEEL CONTRACTOR'S DRAWINGS.
5. EXCAVATING AND BACK FILLING AT NEW AND EXISTING FOUNDATION WALLS SHALL BE DONE SUCH THAT SYMMETRICAL LOADING SHALL BE MAINTAINED ON BOTH SIDES. WHERE DESIGN CONDITIONS REQUIRE DIFFERENT BACK FILL HEIGHTS, WALLS SHALL BE FIRMLY SHORED IN POSITION, AND SHORES SHALL REMAIN UNTIL FLOOR IS RAISED AND PROPERLY SET, TO PROVIDE FULL SUPPORT.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN, INSTALLATION, AND FINAL CLEARANCE OF ANY NEEDLING, SHORING, OR BRACING OF EXISTING STRUCTURES.

GENERAL NOTES:

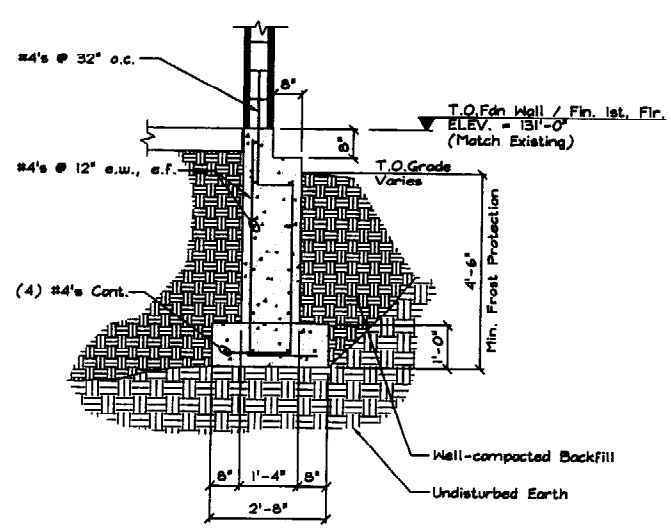
1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGISTS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
2. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
3. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCES TO ENSURE SAFETY OF THE STRUCTURE AND PERSONNEL DURING ERECTION. THIS INCLUDES THE ADDITION OF THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
4. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

MASONRY NOTES:

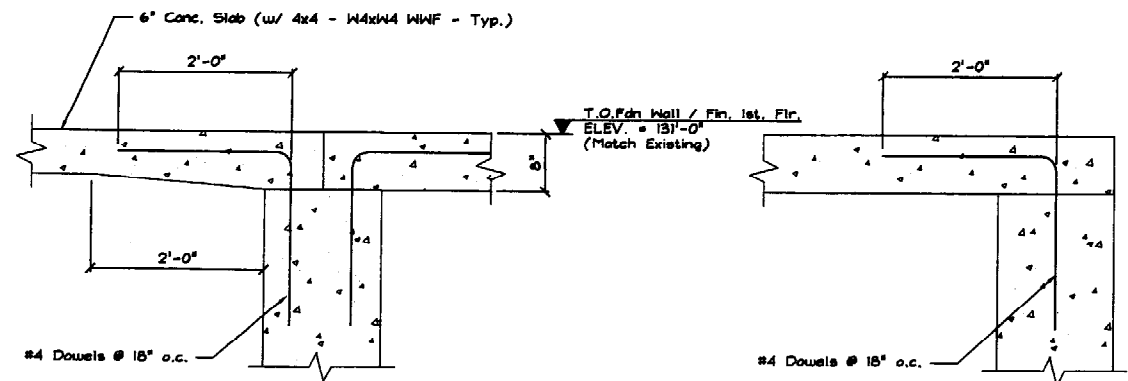
1. CONCRETE MASONRY SHALL BE ASTM C90, GRADE N, TYPE I. JOINT REINFORCING SHALL BE ASTM A62. GROUT SHALL BE ASTM C970 TYPE I FINE GROUT. PORTLAND CEMENT SHALL BE ASTM C90 TYPE I. PORTLAND CEMENT SHALL BE ASTM C90 TYPE I. PORTLAND CEMENT SHALL NOT BE USED WHERE GROUT IS SPECIFIED.
2. WALLS SHALL BE CONSTRUCTED WITH #4 BARS (VERT.) AT 20" O.C. WITH REINFORCED GROUTED SOLID 8" A CONT. BOND BEAM AT THE TOP AND 2" H CONT. REINFORCING TO BE 60 KSI NEW BULLET STEEL CONFORMING TO ASTM A-63 GRADE 60.
3. ALL MASONRY BLOCK WALLS SHALL BE OF SINGLE RYTHE CONSTRUCTION, AND LAID IN RUNNING BOND. TOOL ALL JOINTS CONCAVE.
4. ALL MASONRY BLOCK WALLS SHALL BE COMPLETE WITH STANDARD TRUSS TYPE HORIZONTAL REINFORCING AS MANUFACTURED BY "OUR-O-MALL" OR APPROVED EQUAL. REINFORCEMENT SHALL BE PLACED AT EVERY OTHER COURSE. PREFABRICATED CORNERS AND TEES SHALL BE USED AS REQUIRED.
5. CORNER BLOCKS AND END BLOCKS SHALL BE USED TO FINISH ALL 90° CORNERS AND WALL OPENINGS.
6. ALL STEEL SUPPORTED BY BLOCK WORK SHALL BE ANCHORED BY FIELD WELDING TO BEARING PLATES PROPERLY EMBEDDED IN THE BOND BEAM.
7. ALL WALLS TO HAVE VERTICAL CONTROL JOINTS AT A MAXIMUM SPACING OF 20'-0". WHERE CONTROL JOINTS PASS THROUGH BOND BEAM, REINFORCING SHALL BE CONTINUOUS. RAKE JOINT IN BOND BEAM AND SEAL BOTH SIDES.
8. HORIZONTAL JOINT REINFORCEMENT:
a. CONTINUOUS AROUND CORNERS.
b. DISCONTINUOUS THROUGH CONTROL JOINTS.
c. PROVIDE ADDITIONAL JOINT REINFORCEMENT IN FIRST TWO BED JOINTS ABOVE AND BELOW WALL OPENINGS. EXTEND TO 24" BEYOND OR TO NEXT CONTROL JOINT.



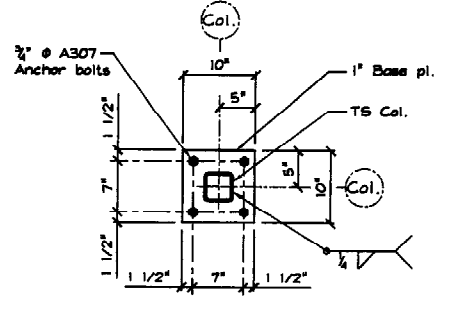
PIER/FOOTING DETAIL (P-1) Typical Interior Column Pier
SCALE: 1" = 1'-0"



SECTION 1 Typ. Fdn. Wall
SCALE: 1/2" = 1'-0"



SECTION 2 Typ. Section @ Ext. Door
SCALE: 1" = 1'-0"



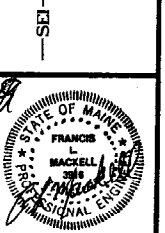
BASE PLATE DETAIL (BP-1) Typ. @ TS Interior Columns
SCALE: 1" = 1'-0"

REVISION/ISSUE		DESCRIPTION
#	DATE	ISSUED FOR CONSTRUCTION
0	1/14/01	1/15/01
1	1/15/01	MASONRY NOTES ADDED

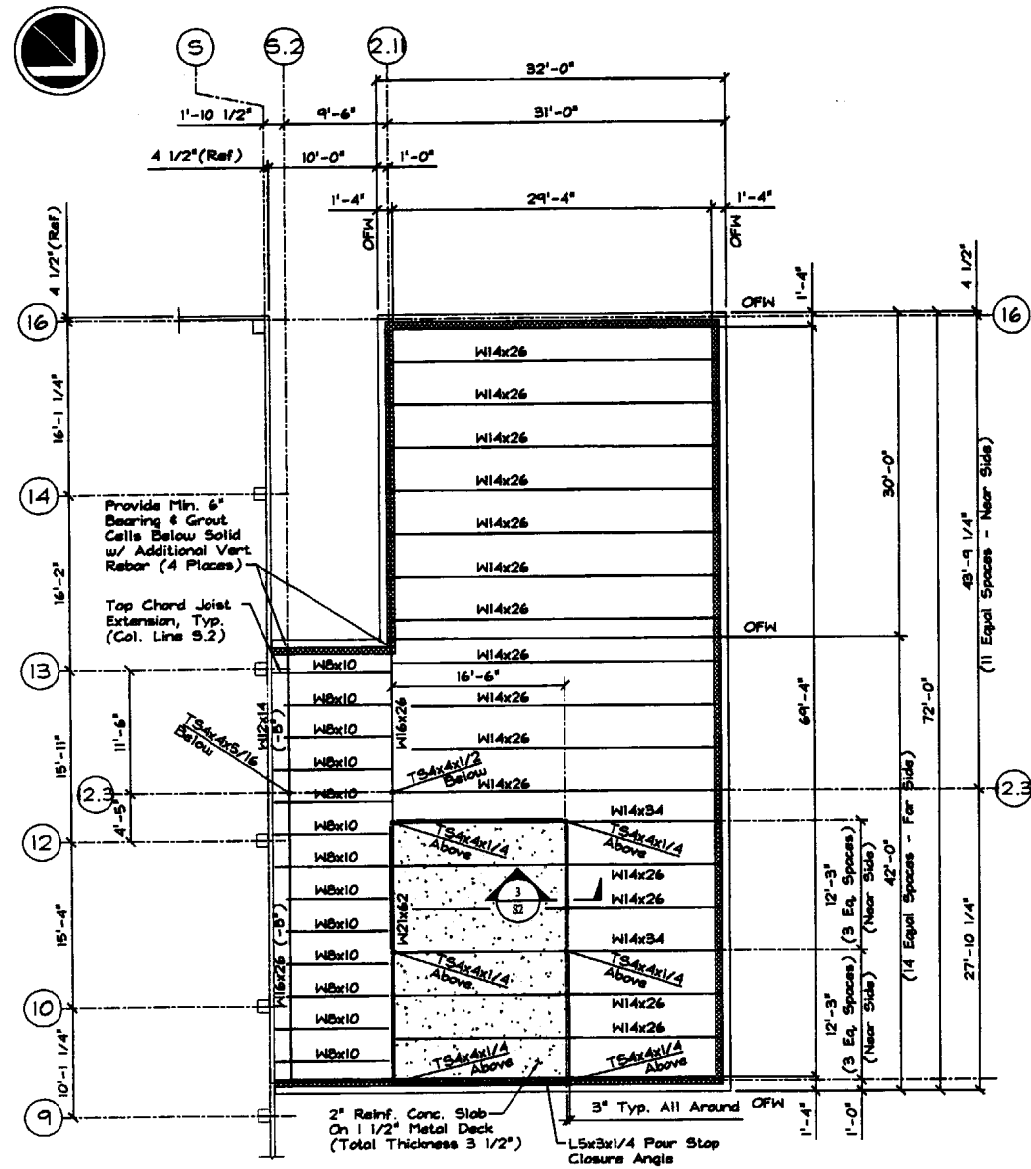
DRAWN BY:	L.F.P.
CHECKED BY:	F.L.M.
DATE:	12/22/00
SCALE:	AS NOTED
JOB NO.:	2000-5892

MAINE
MERCY HOSPITAL
SPECIAL PROCEDURES
ADDITION
PORTLAND

SHELLEY ENGINEERING, INC.
STRUCTURAL CONSULTANTS
90 BRIDGE STREET
WARRENTON, MAINE 04092
PHONE: (207) 848-8708
WWW.SHELLEYENGINEERING.COM

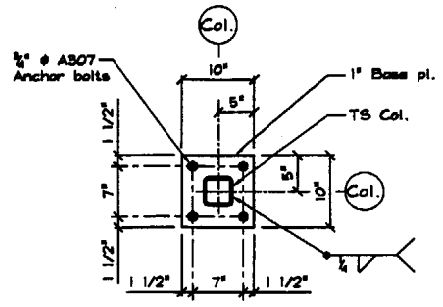


SHEET TITLE:
FOUNDATION PLAN, SECTIONS & DETAILS
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CADD 2000392s1

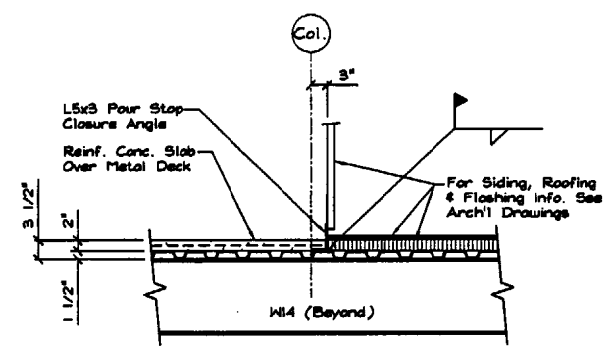


ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

Top Of Steel Elev. = 12'-0" Above Fin. Flr., Unless Noted Otherwise
Note: Reinforce Penthouse Slab w/ 6x6 - W4x14 WWF



BASE PLATE DETAIL (BP-1) Typ. # TS
SCALE: 1" = 1'-0"



SECTION 3 Penthouse Concrete Slab Perimeter Detail
SCALE: 3/4" = 1'-0"

STRUCTURAL STEEL NOTES - GENERAL

1. STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL LATEST EDITION.
2. ALL STEEL SHAPES TO BE ASTM A50, PLATES TO BE ASTM A36 UNLESS NOTED OTHERWISE.
3. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B. STEEL PIPES SHALL BE A53, GRADE B.
4. THE DESIGN OF CONNECTIONS NOT SHOWN ON THE DRAWINGS SHALL BE PROVIDED BY THE FABRICATOR. CONNECTIONS SHALL BE DESIGNED FOR THE FORCES SHOWN, OR IF NOT SHOWN, EACH CONNECTION SHALL BE CAPABLE OF SUPPORTING ONE HALF THE TOTAL ALLOWABLE UNIFORM LOAD CAPACITY OF THE MEMBER, PER AISC MANUAL OF STEEL CONSTRUCTION.
5. ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER ASTM A325 HIGH STRENGTH BOLTS (2 BOLT MIN.).
6. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 - LATEST EDITION. ALL WELDS SHALL BE MADE WITH E70XX ELECTRODES.
7. STEEL BEAMS AND COLUMNS SHALL BE CUT FROM FULL LENGTH STOCK. UNAUTHORIZED SPLICES WILL BE CAUSE FOR REJECTION.
8. SUBMIT COMPLETE STRUCTURAL STEEL SHOP DRAWINGS FOR REVIEW PRIOR TO ANY STEEL FABRICATION.

GENERAL NOTES:

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
2. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
3. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE STRUCTURE AND PERSONNEL DURING ERECTION. THIS INCLUDES THE ADDITION OF THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUTS OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
4. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

STRUCTURAL STEEL NOTES - METAL DECK:

1. METAL ROOF DECK SHALL BE 1 1/2" DEEP, WIDE RIB, 22 GAGE, TYPE B IN ACCORDANCE WITH THE LATEST EDITION OF "DESIGN MANUAL FOR FLOOR AND ROOF DECKS" BY THE STEEL DECK INSTITUTE, UNO. METAL DECK DESIGNED FOR MIN. 3 SPAN CONDITION.
2. METAL ROOF DECK SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A525 G60.
3. SUBMIT COMPLETE METAL DECK SHOP DRAWINGS FOR REVIEW PRIOR TO ANY FABRICATION.

OPEN WEB STEEL JOIST NOTES:

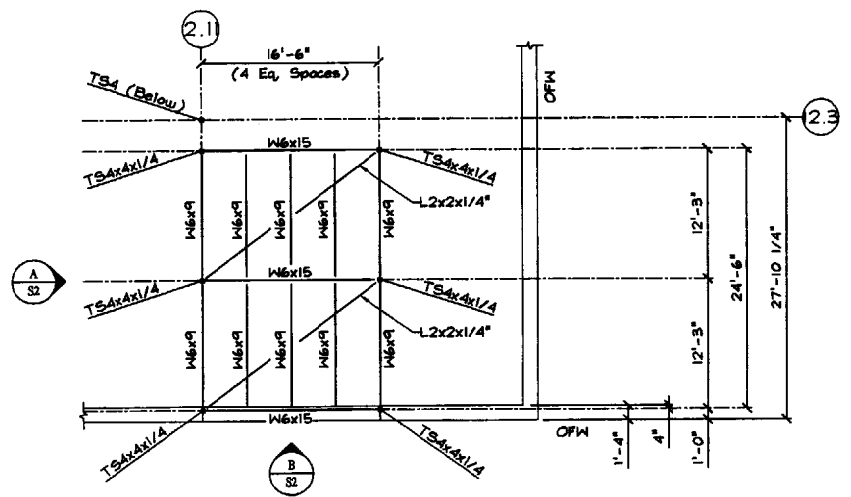
1. DESIGN, FABRICATION AND ERECTION OF ALL STEEL JOISTS SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT ISSUE OF THE AISC AND THE STANDARD SPECIFICATIONS OF THE STEEL JOIST INSTITUTE.
2. TOP AND BOTTOM CHORDS SHALL BE PARALLEL.
3. ROOF JOISTS SHALL BE DESIGNED FOR NET WIND UPLIFT OF 10 PSF.
4. SUBMIT SHOP DRAWINGS FOR REVIEW BY THE ENGINEER. (SHOP DRAWINGS SHALL INCLUDE AN ERECTION PLAN, CONNECTION DETAILS, AND JOIST DETAILS.)

MASONRY NOTES

SEE FOUNDATION DRAWING "F-1"

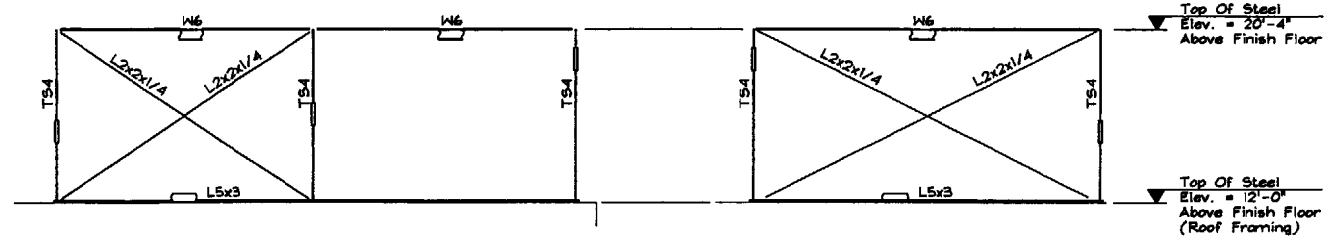
PAINTING NOTE:

1. ALL STEEL WORK IS TO RECEIVE SPRAY ON FIREPROOFING (SEE ARCHITECTURAL'S) THEREFORE, DO NOT PRIME OR PAINT ANY STEEL SURFACES.



PENTHOUSE FRAMING PLAN
SCALE: 1/8" = 1'-0"

Top Of Steel Elev. = 20'-4" Above Fin. Flr., Unless Noted Otherwise



ELEVATION VIEW A Penthouse Framing
SCALE: 1/4" = 1'-0"

NOTE: FOR PENTHOUSE WALLS (METAL STUDS & SIDING) SEE ARCHITECTURAL DRAWINGS.

ELEVATION VIEW B Penthouse Framing
SCALE: 1/4" = 1'-0"

NOTE: FOR PENTHOUSE WALLS (METAL STUDS & SIDING) SEE ARCHITECTURAL DRAWINGS.

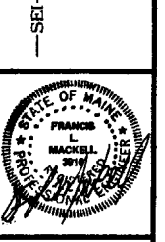
REVISION / ISSUE	DESCRIPTION
#	DATE
0	1/19/01
	ISSUED FOR CONSTRUCTION

DRAWN BY: L.F.P.	CHECKED BY: F.L.M.
DATE: 12/28/00	SCALE: As Noted
JOB NO.: 8000-3682	

MERCY HOSPITAL
SPECIAL PROCEDURES
ADDITION

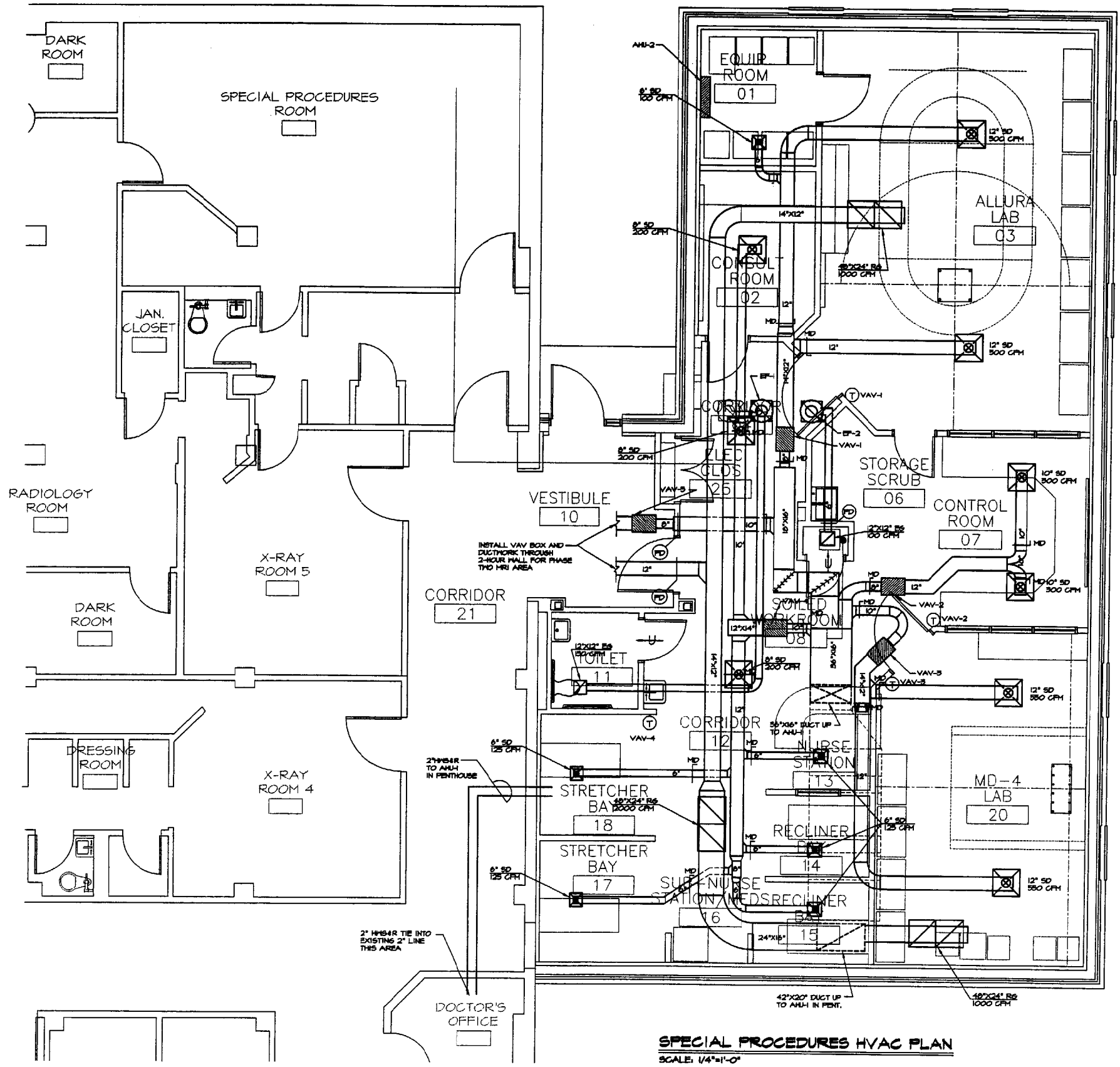
PORTLAND

SHALLEY ENGINEERING, INC.
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100 Business Center
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SHEET TITLE:
FRAMING
PLAN, SECTIONS
& DETAILS

SI OF 1
CADD 200094252



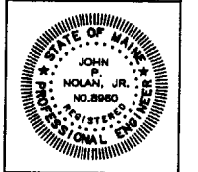
SPECIAL PROCEDURES HVAC PLAN
SCALE: 1/4"=1'-0"

FOR REVIEW 1/19/01

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DATE	REVISIONS

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Design Build Engineering - Mechanical Contracting
P.O. Box 3927 / 352 Warren Ave - Unit 2
Portland, Maine 04104
Ph. (207) 878-5223 Fax. (207) 878-5235



MERCY HOSPITAL
CLIENT
SPECIAL PROCEDURES ADDITION
PROJECT
HVAC PLAN
DRAWING TITLE

DATE: 01/19/01
SCALE: 1/8" = 1'-0"
DRAWN BY:
CHECKED BY: JFN
JOB NUMBER:
CAD FILE: Mercyspecial.mxd
SHEET NUMBER

M1
SHEET 1 OF 2

CONTROLS POINT SCHEDULE																	
TAG	SERVES	EQUIPMENT	T-STAT	HUMIDISTAT	HEAT VALVE	COOLING VALVE	VALVE ACT	AQUA STAT	RETURN SENSOR	DAMPERS	SMOKE DETECTOR	RESET CONTROL	ROOM ALARM SENS	ROOM PRESS SENS	ROOM UNIT CONTROL	REMARKS	
AHU-1	NEW ADD.	MCC 12	X	X	X				X	X	X		X	X	X		
AHU-2	EQUIP. RM. 01	SANYO											X				
AHU-3	FUTURE S.P. EQUIP. RM.	TRANE											X			NOT IN CONTRACT SYS. TO HAVE CAPABILITY	
VAV-1	ALLURA LAB	VCNE-II	X		X	X								X	X		
VAV-2	CONTR. RM.	VCNE-II	X		X	X								X	X		
VAV-3	MD-4	VCNE-II	X		X	X								X	X		
VAV-4	CORR. AREA	VCNE-II	X		X	X								X	X		
VAV-5	SPEC. PRO.	VCNE-II	X		X	X								X		NOT IN CONTRACT SYS. TO HAVE CAPABILITY	
EF-1	BATH ROOM															X	
EF-2	SOILED UTIL.															X	
EF-3	MRI MACH.															X	NOT IN CONTRACT SYS. TO HAVE CAPABILITY

FAN SCHEDULE											
TAG	SERVES	CFM	SP. W.G.	V/PH	HP	TS	RPM	LENGTH INCHES	WEIGHT POUNDS	MOD. NO.	REMARKS
EF-1	BATH RM.	200	0.25	120/1	1/10		1200	NA	45	FRN-8	ACME
EF-2	SOILED UTIL.	200	0.25	120/1	1/10		1200	NA	45	FRN-8	ACME
EF-3	MRI	500	0.25	120/1	1/3		1250	NA	60	FRN-12	N.L.C.

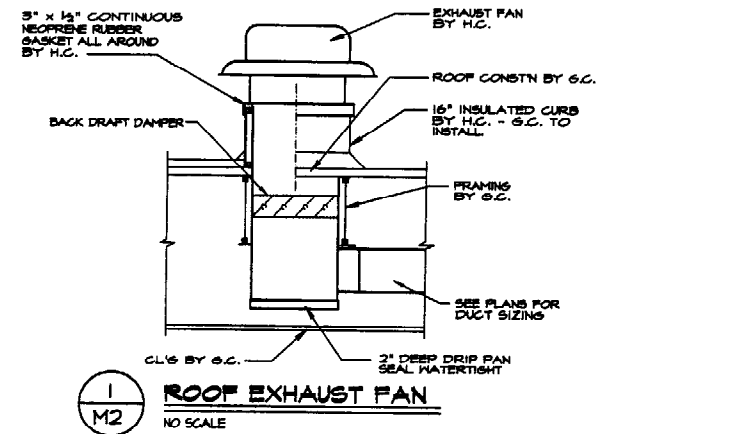
GRILLES, REGISTERS, & DIFFUSER SCHEDULE							
TAG	CONN. SIZE	QUANTITY	FACE SIZE INCHES	MAX CFM	SP. W.G.	THROW FEET	REMARKS
SD	AS NOTED	A.N.	24"x24"	A.N.	0.1	7-10	PRICE
RG	AS NOTED	A.N.	24"x24"	A.N.	0.05		PRICE
EG	AS NOTED	A.N.	12"x12"	A.N.	0.075		PRICE

SPLIT SYSTEM AIRHANDLER/CONDENSER SCHEDULE																									
GENERAL			AIR-HANDLER										CONDENSER												
TAG	AREA SERVED	ELECTRIC	CFM	EXT. SP.	RPM	FAN HP	% O.A.	HEATING			COOLING				COMPRESSOR(S)		FAN(S)			MODEL	REMARKS				
								BTU	INLET	TEMP	BTU	INLET	TEMP	BTU	INLET	TEMP	QUAN	REL	TRA	TOT. MCA	QUAN	FLA			
AHU-1/CU-1	NEW ADDITION	460/60/3	3500	.25	1075	1.5	30	40	90		80	67	57	54	180	2				32.7	2	1.9	MCG-12	TRANE	
AHU-2/CU-2	EQUIP. RM. 01	230/60/1	400								80	67	57	54	24	1								KS24	SANYO
AHU-3/CU-3	SPEC. PRO.	460/60/3	2000	1/2												1				18.2	18.2			TME-060 TTPO60	NOT IN CONTRACT

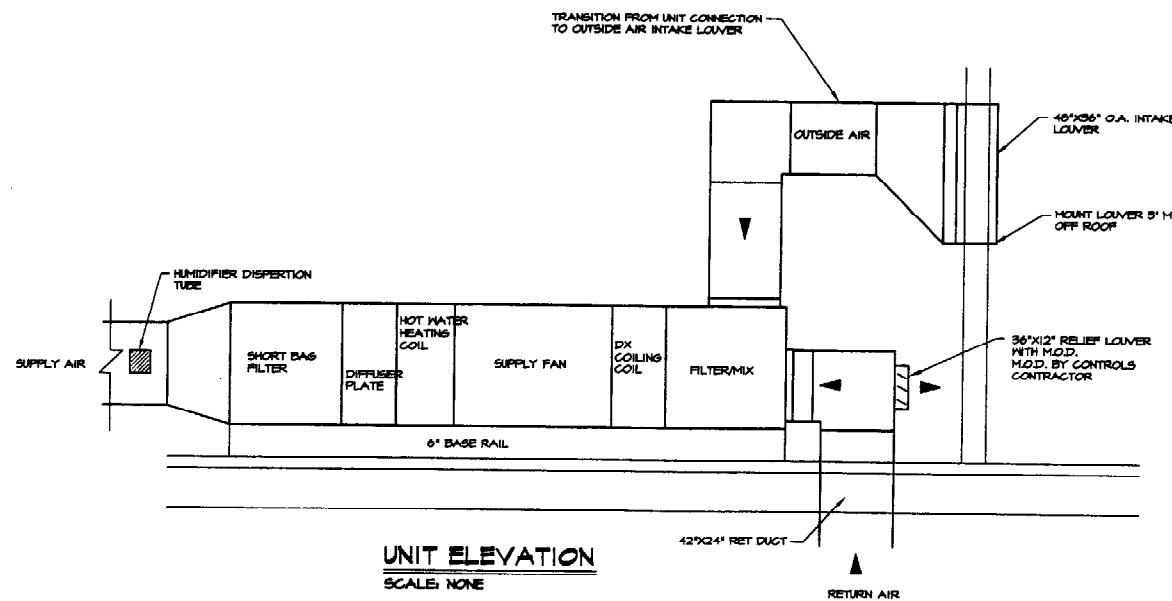
* SINGLE POINT ELECTRICAL CONNECTION TO CONDENSER ON ROOF.

VAV BOX SCHEDULE								
TAG	SERVES	MAX CFM	MIN CFM	COIL SIZE	HEATING COIL MEN	COIL GPM	MODEL	REMARKS
VAV-1	ALLURA LAB	1100	400		30.0	2.5	VCNE-II	TRANE
VAV-2	CONTROL RM.	700	300		23.0	1.9	VCNE-II	TRANE
VAV-3	MD-4	1300	400		34.0	2.75	VCNE-IT	TRANE
VAV-4	CORRIDOR AREA	1300	500		34.0	2.75	VCNE-IT	TRANE
VAV-5	SPEC. PROCEDURE	1200	400		32.0	2.5	VCNE-IT	NOT IN CONTRACT

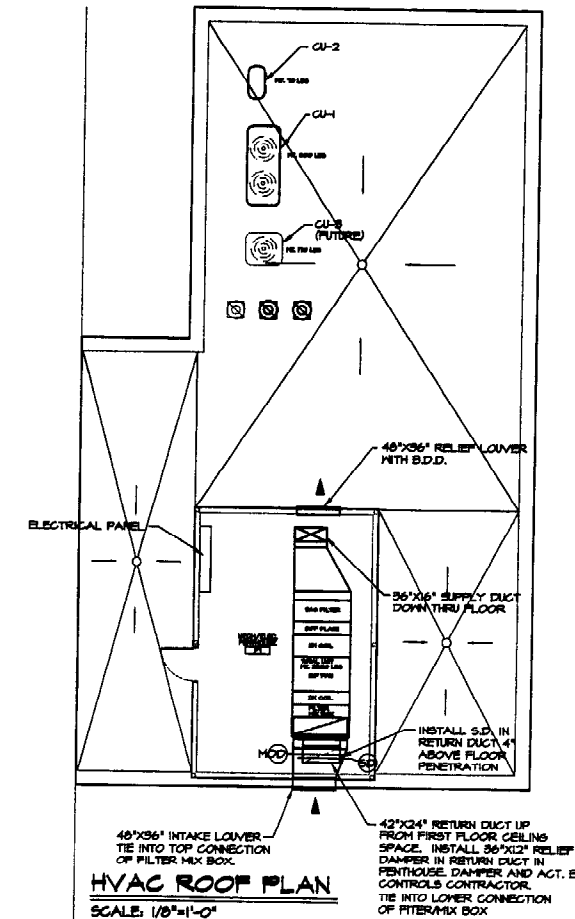
NOTES: RH HEATING COILS WITH MODULATING 2-WAY VALVES



1
M2
ROOF EXHAUST FAN
NO SCALE



UNIT ELEVATION
SCALE: NONE



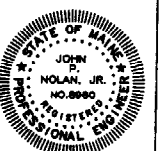
HVAC ROOF PLAN
SCALE: 1/8\"/>

FOR REVIEW 1/19/01

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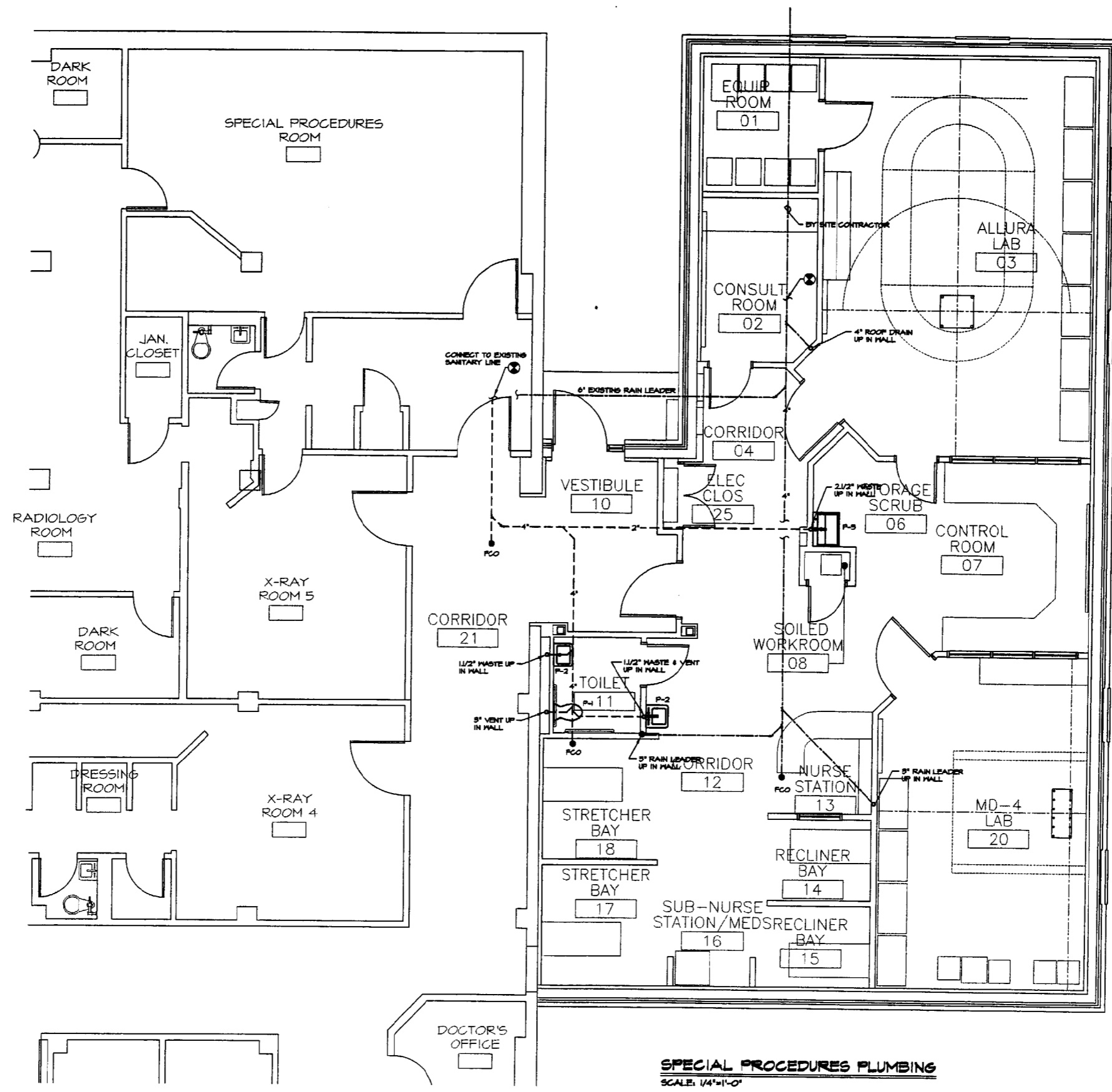
Titan Mechanical, Inc.
 Design Build Engineering - Mechanical Contracting
 P.O. Box 3927 / 352 Warren Ave - Unit 2
 Portland, Maine 04104
 Ph. (207) 878-5223 Fax. (207) 878-5235



MERCY HOSPITAL
 CLIENT
SPECIAL PROCEDURES ADDITION
 PROJECT
 MECH. RM., SCHEDULES & DETAILS
 DRAWING TITLE

DATE: 01/19/01
 SCALE: 1/8" = 1'-0"
 DRAWN BY:
 CHECKED BY: JFN
 JOB NUMBER:
 CAD FILE: Hmpsp00002
 SHEET NUMBER

M2
 SHEET 2 OF 2



SPECIAL PROCEDURES PLUMBING
SCALE: 1/4"=1'-0"

FOR REVIEW 1/19/01

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DATE	REVISIONS

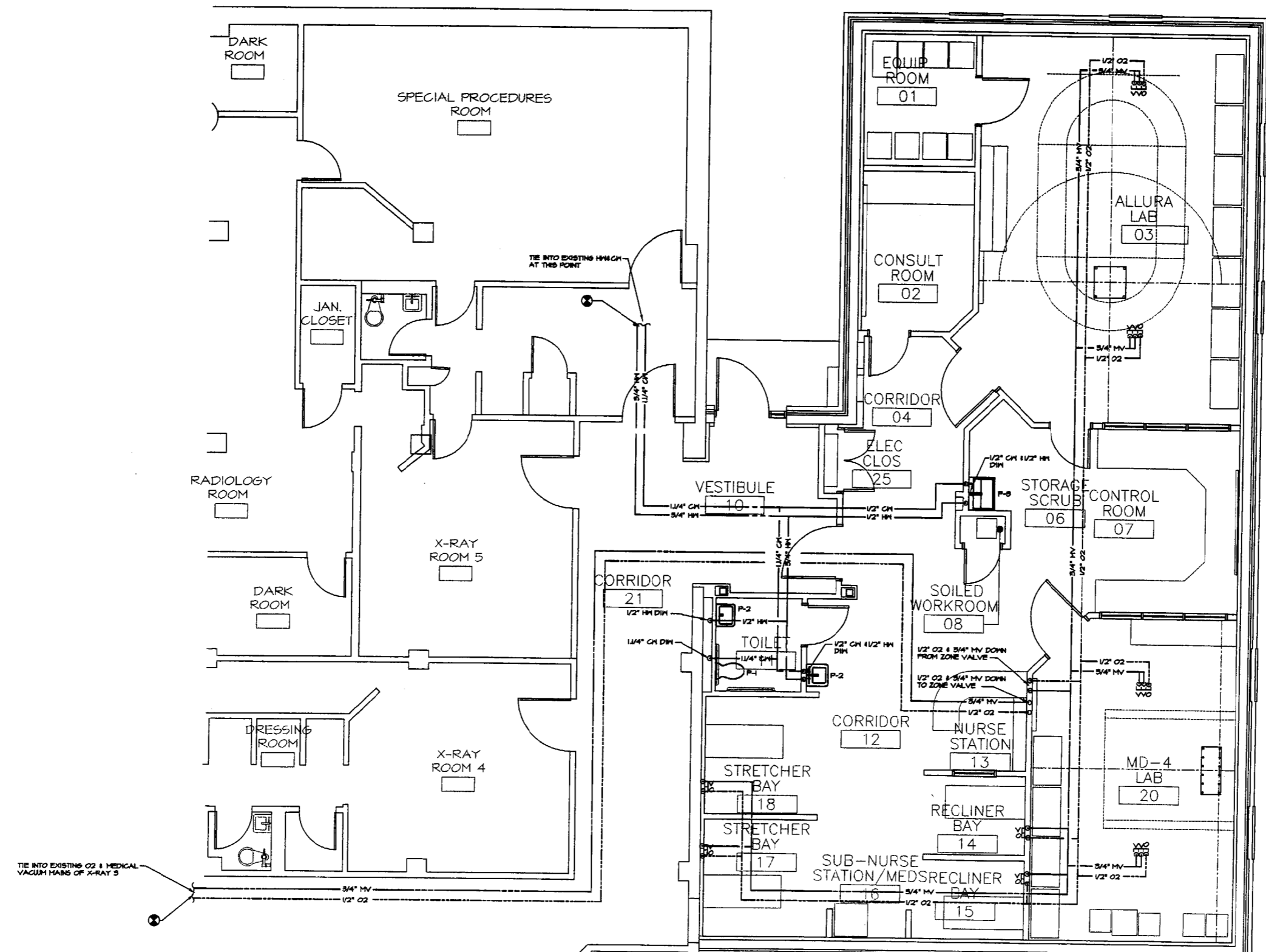
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Portland, Maine 04104
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MERCY HOSPITAL
CLIENT
SPECIAL PROCEDURES ADDITION
PROJECT
UNDERSLAB SANITARY & RAIN LEADERS
DRAWING TITLE

DATE: 01/19/01
SCALE: 1/8" = 1'-0"
DRAWN BY:
CHECKED BY: JFN
JOB NUMBER:
CAD FILE: MercySpdAdd
SHEET NUMBER

P1
SHEET 1 OF 2



TIE INTO EXISTING O2 & MEDICAL VACUUM MAINS OF X-RAY 5

TIE INTO EXISTING HMM CHN AT THIS POINT

FIXTURE SCHEDULE						
TAG	FIXTURE	CH	HN	WASTE	VENT	REMARKS
P-1	WALL HUNG HANDICAP TOILET K-4330-L	1/2"	—	4"	3"	WITH CARRIER
P-2	WALL HUNG HANDICAP LAV. K-1724-ADA	1/2"	1/2"	1 1/2"	1 1/2"	WITH CARRIER
P-3	SLOAN SCRUB SINK ESS-2100-CM	1/2"	1/2"	1 1/2"	1 1/2"	

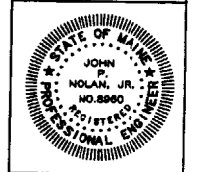
SPECIAL PROCEDURES PLUMBING
SCALE: 1/4"=1'-0"

FOR REVIEW 1/19/01

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DATE	REVISIONS

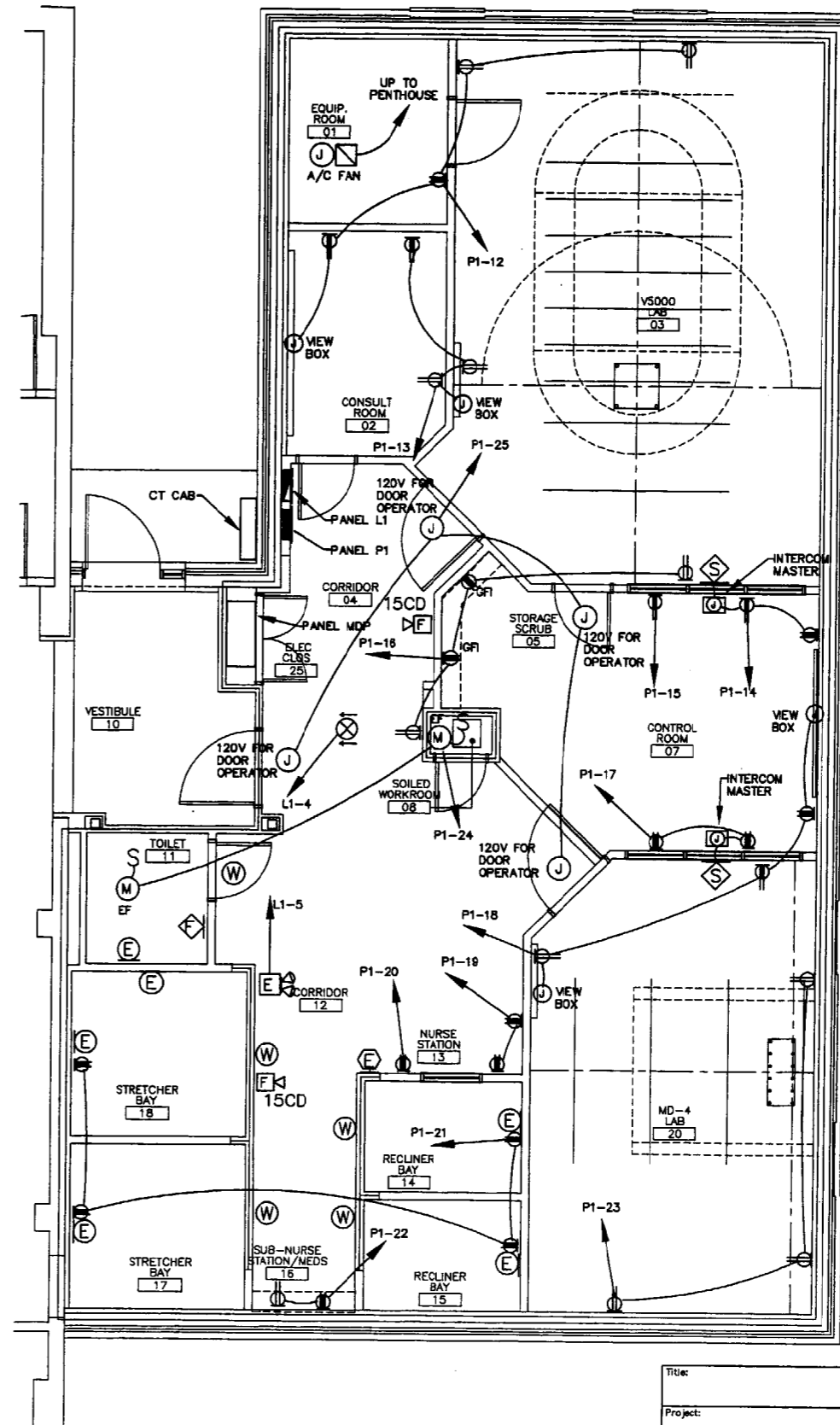
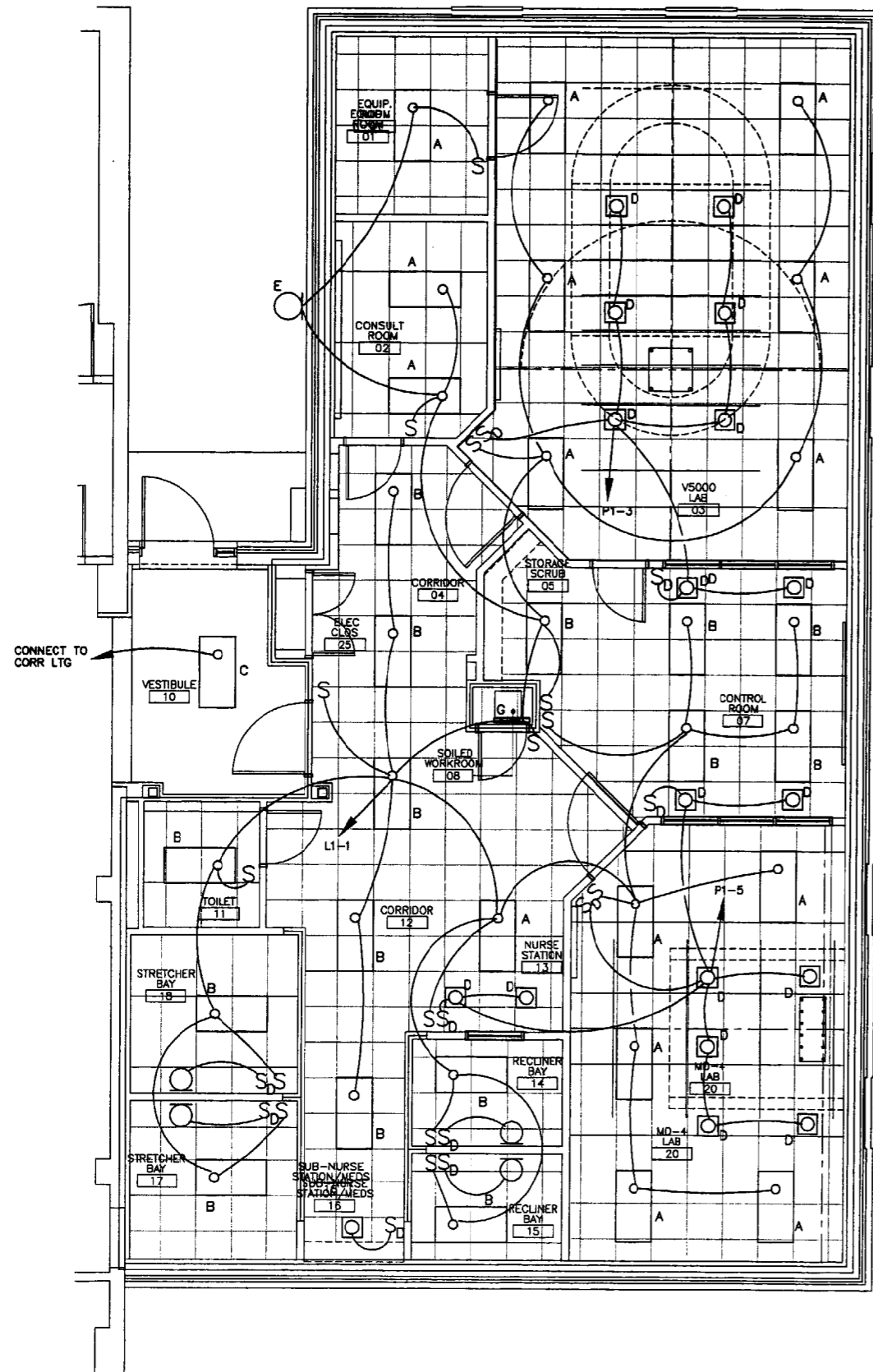
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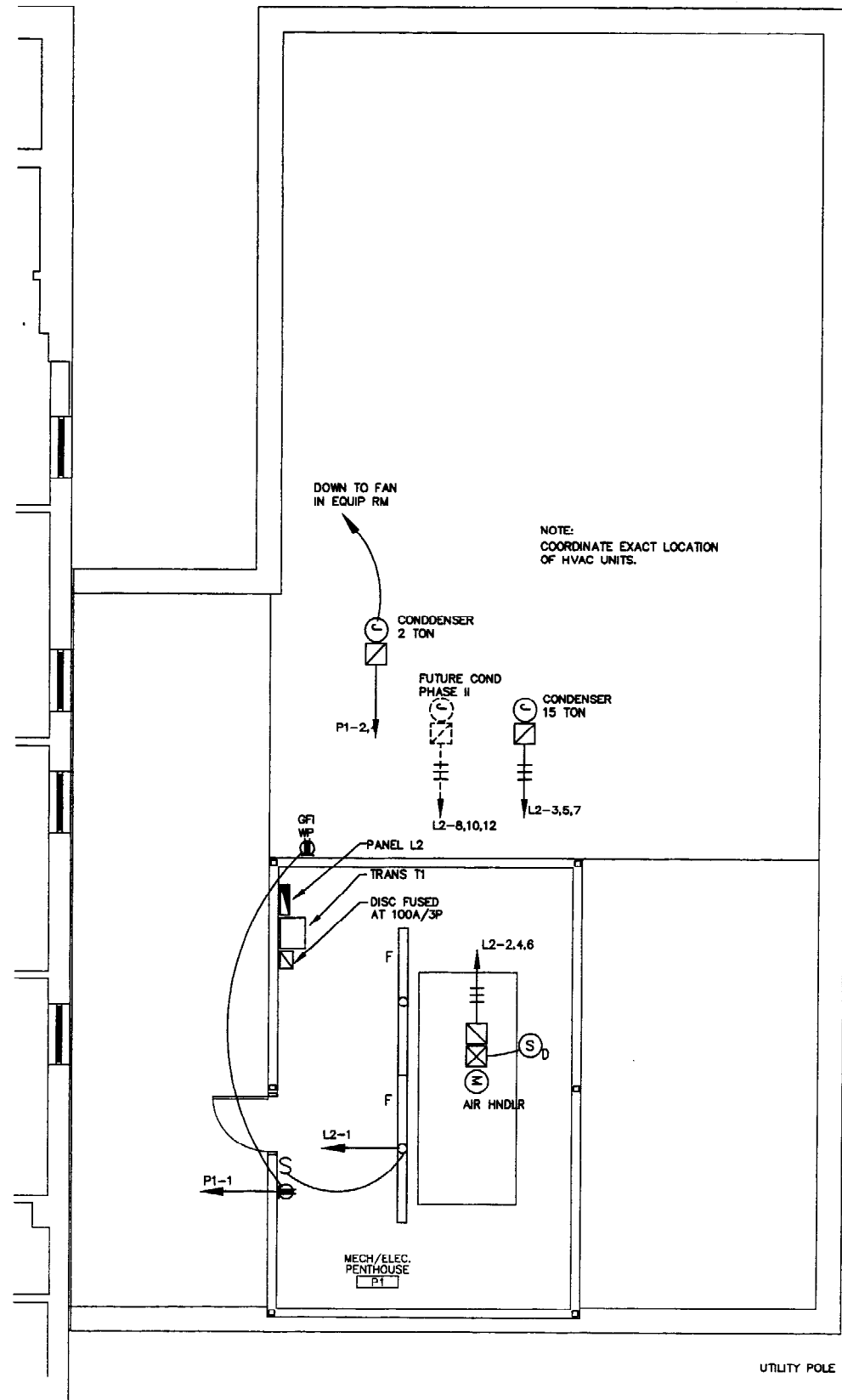
CLIENT: **MERCY HOSPITAL**
PROJECT: **SPECIAL PROCEDURES ADDITION**
DRAWING TITLE: **WATER & MEDICAL GAS DISTRIBUTION FIXTURE SCHEDULE**

DATE: 01/19/01
SCALE: 1/8" = 1'-0"
DRAWN BY:
CHECKED BY: JPN
JOB NUMBER:
CAD FILE: Hspgspchp02
SHEET NUMBER

P2
SHEET 2 OF 2



Title:		ELECTRICAL PLAN	
Project:		PROPOSED BUILDING ADDITION MERCY HOSPITAL PROCEDURES ROOMS PORTLAND, MAINE	
		HAROLD W. THOMAS THOMAS ENGINEERING Consulting Engineers 175 CARLSON STREET WESTBROOK, MAINE 04092 (207) 878-4407	
		Scale:	1/8" = 1'-0"
Date:	1/19/01		Drawing:
E-1			



GENERAL NOTES

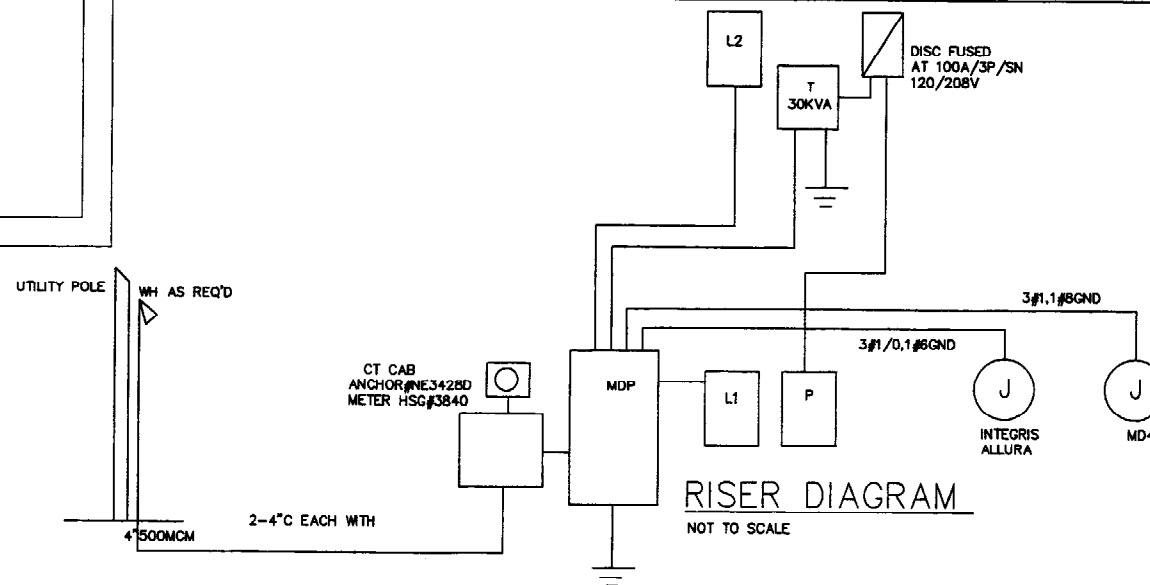
1. ALL WORK SHALL CONFORM TO LOCAL AND STATE CODES AND THE N.E.C.
2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING THE LOAD ON THE PANELS.
3. SWITCHES SHALL BE MOUNTED 4"-0" TO TOP OF PLATE. SWITCHES SHOWN IN SAME AREA SHALL BE GANGED UNDER A COMMON PLATE. LOCATE SWITCHES AS CLOSE AS POSSIBLE TO EDGE OF DOOR FRAME ON LOCK SIDE.
4. MINIMUM WIRE SIZE SHALL BE #12AWG COPPER. ALL REFERENCE TO WIRE SIZE IS INTENDED AS COPPER. CIRCUIT BREAKER SIZE (AS PER PANEL SCHEDULE) SHALL DICTATE WIRE SIZE OF ALL CONDUCTORS.
5. THE ENTIRE ELECTRICAL SYSTEM SHALL BE GROUNDED BY MEANS OF A SEPARATE GROUND CONDUCTOR. CONDUIT SHALL NOT BE CONSIDERED A GROUND CONDUCTOR, BUT SHALL BE GROUNDED. (USE TABLE 250-98 IN N.E.C.)
6. THIS CONTRACTOR SHALL COORDINATE WITH OTHER TRADES WHERE EQUIPMENT AND/OR DEVICES ARE FURNISHED BY OTHER TRADES AND WIRD WHOLLY OR IN PART BY THIS CONTRACTOR SO AS TO ACHIEVE A COMPLETE AND OPERATING SYSTEM.
7. OUTLETS OR JUNCTION BOXES MOUNTED BACK TO BACK SHALL BE PROHIBITED.
8. PROVIDE 2-1" EMPTY FROM EACH RECESSED PANEL EXTENDED TO ACCESSIBLE CEILING SPACE ABOVE EACH PANEL OR TO BOX 10" AFF IF NO CEILING. GAP FOR FUTURE USE.
9. OUTLETS BACK TO BACK WITHIN 24 INCHES OF EACH OTHER IN FIRE RATED WALLS, SHALL BE ENGAGED WITH FIRE RATED BACKER.
10. THIS CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF FIRE RATED WALLS BY SEALING ALL WIRING, CONDUIT, ETC., WHICH PASSES THROUGH SUCH WALLS WITH AN APPROVED FIRE RATED SEALANT.
11. THIS CONTRACTOR SHALL VERIFY MOUNTING HEIGHTS FOR ALL OUTLETS. COORDINATE RECEPTACLES CAREFULLY PRIOR TO INSTALLATION.
12. ALL HWY SCHEMATICS SHOWN ARE DIAGRAMMATICAL ONLY. REFER TO EQUIPMENT AND CONTROL MANUFACTURER'S SHOP DRAWINGS FOR EXACT WIRING.
13. LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES, TELEPHONE OUTLETS, ETC. SHALL BE CONFIRMED AND VERIFIED FROM ARCHITECTURAL DRAWINGS, I.E. ELEVATIONS, SECTIONS, REFLECTED CEILING, ETC.
14. ALL EXPOSED WIRING IN FINISHED AREAS SHALL BE IN WIREMOLD (OR APPROVED EQUAL).

LEGEND

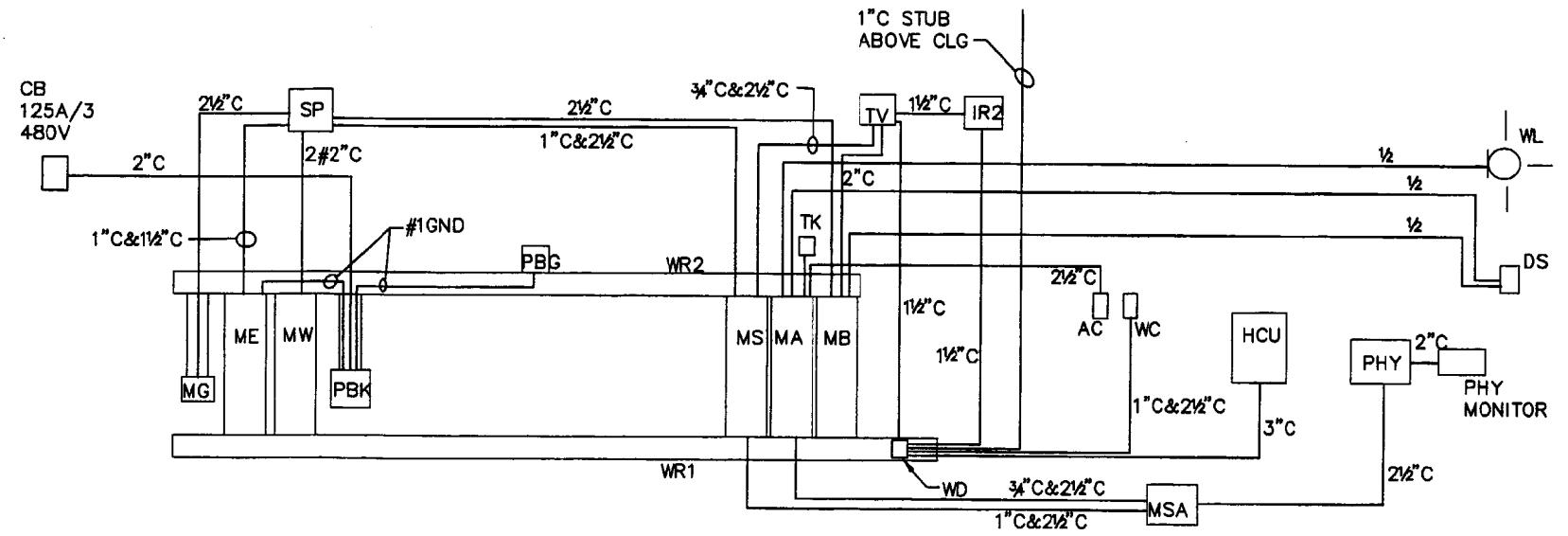
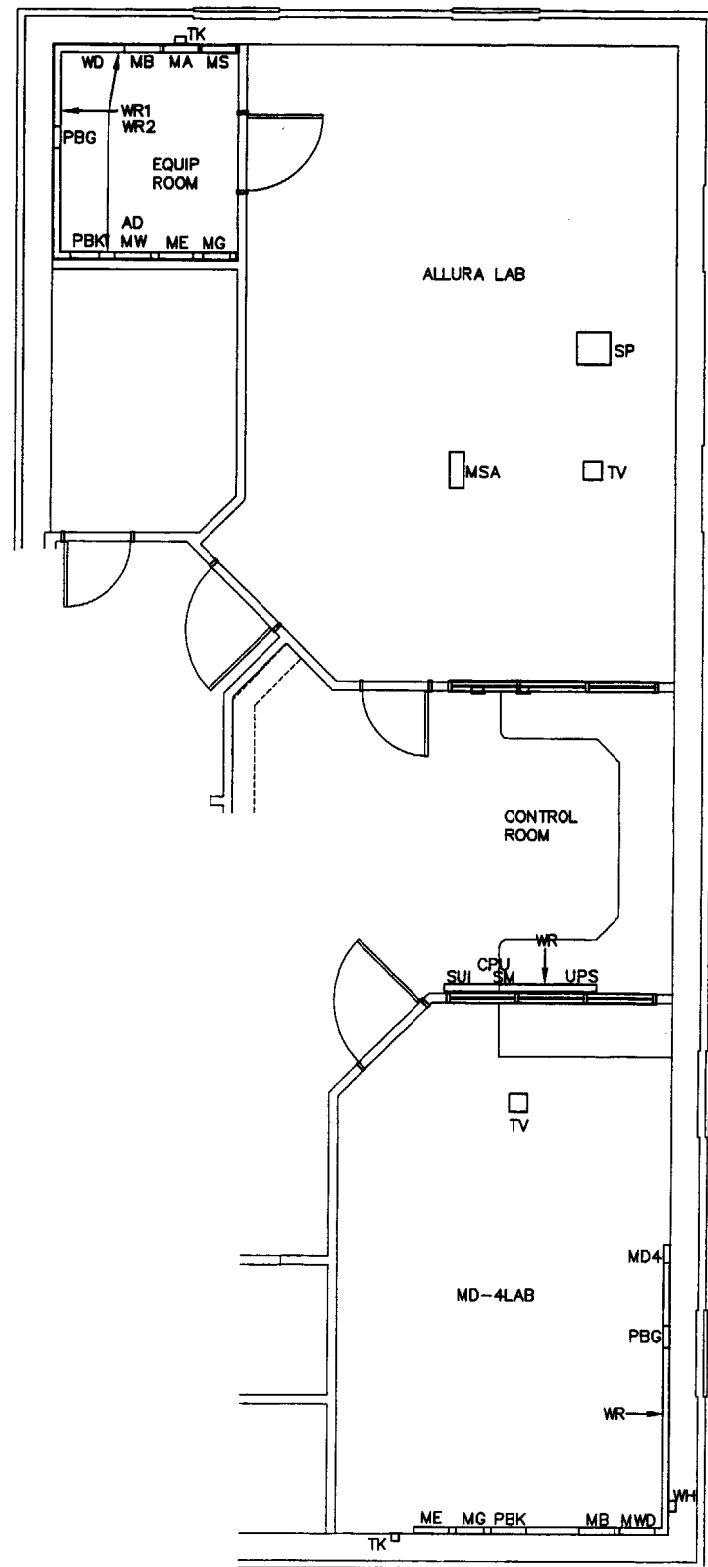
- ||— CONDUIT AND/OR WIRING RUN CONCEALED - ARROW DENOTES HOMERUN TO PANEL - HASHMARKS DENOTE NUMBER OF WIRES OTHER THAN TWO
- CONDUIT AND WIRING RUN CONCEALED IN OR UNDER SLAB OR BELOW GRADE
- LIGHTING AND POWER PANEL - 120/208V
- ▭ LIGHTING AND POWER PANEL - 277/480V
- FLUORESCENT FIXTURE
- LIGHTING FIXTURE - WALL OUTLET
- RECESSED FIXTURE
- S SINGLE POLE SWITCH
- S₂ DIMMER SWITCH
- S_{OL} THERMAL OVERLOAD SWITCH
- ⊕ DUPLEX CONVENIENCE OUTLET 18" AFF EXCEPT AS NOTED
- ⊕ DUPLEX CONVENIENCE OUTLET 44" AFF
- ⊕ VOICE/DATA OUTLET - WALL TYPE MOUNTED 18" AFF EXCEPT AS NOTED - RUN 3/4" CONDUIT FROM BOX TO ACCESSIBLE CEILING.
- ⊕ JUNCTION BOX - SIZED AS REQUIRED
- ⊕ ELECTRIC MOTOR - NUMBER INDICATED H.P.
- ⊕ DISCONNECT SWITCH - FUSED AS REQUIRED
- ⊕ ELECTRIC MOTOR CONTROLLER
- ⊕ EMERGENCY LIGHTING UNIT W/REMOTE HEADS AS SHOWN - MOUNTED SO TOP OF HEADS ARE 6" BELOW CEILING
- ⊕ EMERGENCY LIGHTING BATTERY UNIT
- ⊕ EXIT LIGHTING UNIT - CEILING OUTLET
- ⊕ EXIT LIGHTING UNIT - WALL OUTLET
- ⊕ FIRE ALARM MANUAL STATION
- ⊕ FIRE ALARM HORN AND LIGHT UNIT - MOUNT 80" AFF EXCEPT NO CLOSER THAN 6" TO CEILING - BUILDING SYSTEM
- ⊕ FIRE ALARM VISUAL UNIT - BUILDING SYSTEM
- ⊕ SMOKE DETECTOR - "D" DENOTES DUCT TYPE - BUILDING SYSTEM
- AF F ABOVE FINISH FLOOR
- AFG ABOVE FINISH GRADE
- DD DOUBLE DUPLEX
- GFI GROUND FAULT INTERRUPTER
- EF EXHAUST FAN
- WP WEATHERPROOF
- ⊕ SPEAKER - WALL OR CEILING OUTLET
- ⊕ SPECIAL PURPOSE OUTLET - SIZED AS REQUIRED
- ⊕ E-CALL PULL STATION
- ⊕ E-CALL AUDIBLE BUZZER
- ⊕ E-CALL CORRIDOR LIGHT

TYPE	MANUFACTURER	CATALOG NO.	LAMPS	MTG. & DESCRIPTION
A	COLUMBIA HUBBELL LIGHTOLIER METALUX	4PS243320-FSA19EB8 RD3GNA03-B1E-9A SPS2QFSA34050 ZGM-332A19.156-EB8X	3-FO32/T8 SYL. OCTRON	RECESSED-2x4-277V 0.156 FLAT LENS
B	COLUMBIA HUBBELL LIGHTOLIER METALUX	4PS242320-FSA19EB8 RD2GNA03-B1E-9A SPS2QFSA24050 ZGM-232A19.156-EB8X	2-FO32/T8 SYL. OCTRON	RECESSED-2x4-277V 0.156 FLAT LENS
C	SAME AS TYPE B EXCEPT FOR GED CEILING			
D	LIGHTOLIER	A0620	1-75W/A19	SURFACE
E	SPAULDING	MRK100M-PC-MT	1-100W/MH	SURFACE
F			4-FO32/T8 SYL. OCTRON	SURFACE - 8 STRIP-277V
G			2-FO17/T8 SYL. OCTRON	SURFACE - 2 STRIP-277V

PANEL	FEEDER	CIRCUIT BREAKERS		TRIP	POLE	SERVICE
		CIRCUIT	TRIP			
L1 100A LUGS 277/480V 3P-4W-SN RECESSED	4/3 1#8GND	1-5 6-10	20A 20A	1 1		ACTIVE SPARE
L2 100A LUGS 277/480V 3P-4W-SN SURFACE	4/3 1#8GND	1 2,4,6 3,5,7 8,10,12 9,11,13,14	20A 20A 50A 20A 20A	1 3 3 3 1		ACTIVE AIR HANDLER COND UNIT PHASE II COND UNIT SPARE
P 100A 120/208V 3P-4W-SN RECESSED	4/3 1#8GND	1,3,5,12-25 2,4 6-11	20A 20A 20A	1 2 1		ACTIVE A/C UNIT
MDP 800A MAIN 277/480V 3P-4W-SN SURFACE	8/500MCM	1,3,5 2,4,6 7,9,11 8,10,12 13,15,17 6-16	100A 100A 60A 125A 100A	3 3 3 3 3		PANEL L1 PANEL L2 TRANSFORMER ALLURA MACH MD4 MACH SPACE ONLY



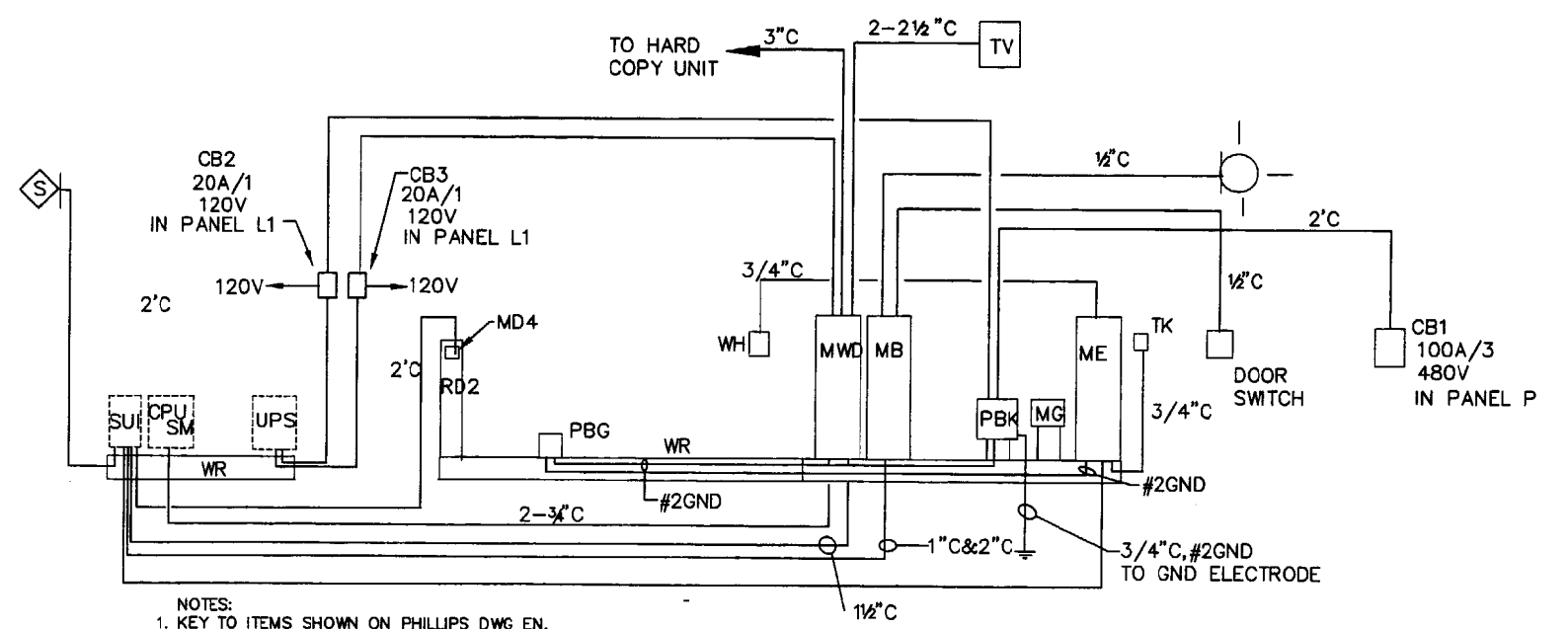
Title: ELECTRICAL PLAN - PENTHOUSE	
Project: PROPOSED BUILDING ADDITION MERCY HOSPITAL PROCEDURES ROOMS PORTLAND, MAINE	
	HAROLD W. THOMAS THOMAS ENGINEERING <i>Consulting Engineers</i> 175 CARLSON STREET WESTBROOK, MAINE 04092 (207) 878-4407
	Scale: 1/8"=1'-0" Date: 1/19/01 Drawing: E-2



INTEGRIS ALLURA

NOT TO SCALE

- NOTES:
 1. KEY TO ITEMS SHOWN ON PHILLIPS DWG ED1, ED2, AND ED3.
 2. CONDUIT AND WRG SCHEDULE SHOWN ON PHILLIPS DWG E2
 3. SEE DETAILS ON PHILLIPS DWG'S ED1, ED2 AND ED3.




- NOTES:
 1. KEY TO ITEMS SHOWN ON PHILLIPS DWG EN.
 2. CONDUIT AND WRG SCHEDULE SHOWN ON PHILLIPS DWG E2
 3. SEE DETAILS ON PHILLIPS DWG'S ED1 AND ED2.

MD-4LAB

NOT TO SCALE

Title: ELECTRICAL PROCEDURES ROOMS PLAN	
Project: PROPOSED BUILDING ADDITION MERCY HOSPITAL PROCEDURES ROOMS PORTLAND, MAINE	
	Scale: 1/8" = 1'-0"
	Date: 1/19/01
	Drawing: E3
HAROLD W. THOMAS THOMAS ENGINEERS <i>Consulting Engineers</i> 175 CARLSON STREET WESTBROOK, MAINE 04092 (207) 878-4407	

GENERAL NOTES:



PHILIPS

Philips Medical Systems

www.pmsna.com

Project Manager: Louis Pimental
East Voice Mail: (888) 345-8002 #6516
E-mail: louis.pimental@philips.com

Revisions	
Rev	Description
A	9/20/01 First Drawings
B	10/20/01 Revised Floor Plans for Allura

Table of Contents	
Section A - Equipment Plan	
General Notes	A1 - A2
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Section B - Support Plan	
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Support Plan - Floor	B1
Support Plan - Ceiling	B2
Support Details	B1 - B2
Section C - Electrical Plan	
Electrical Notes	C1 - C2
Electrical Legend	C1
Electrical Plan	C1
Panel Schedule	C2
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Section D - Network Plan	
Network Details	D1

This Site Plan is provided as a customer convenience, and is not to be construed as an architectural plan or construction document.
Philips assumes no liability for errors or omissions in the drawings or the accuracy of the information or the utilities available at the premises in which the equipment is to be installed, used, or stored.

Project Number: N-EAS-00728

Scale: As Noted

Drawn By: Suzanne Walden

Checked By: Louis Pimental

Date: 10/20/01

Sheet: C1

Mercy Hospital - Portland, ME

Integris Allura Ceiling - Room 3

Minimum Site Preparation Requirements

A smooth efficient installation is vital to Philips and their customers. Understanding what the minimum site preparation requirements are will help achieve this goal. The following list clearly defines the requirements which must be fulfilled before the installation can begin.

- Walls to be painted or covered, baseboards installed, floor to be tiled or covered, ceiling shall have grid lines and lighting fixtures installed.
- Doors and windows, especially radiation protection barriers, installed and finished with lockable components.
- All electrical convenience, conduit, raceway and junction boxes installed.
- Incoming mains power operational and connected to room key breaker.
- Room lighting installed and operational with contractor in detail to permit foot pedal control. Devices should be level, parallel, and free of lateral or longitudinal movement.
- 110v convenience outlets operational.
- All support structures correctly finished. All channels, pipes, beams and/or other supporting devices should be level, parallel, and free of lateral or longitudinal movement.
- All contractor supplied cables pulled and terminated.
- A clean-free environment in and around the procedure room.
- All HVAC (heating, ventilating and air conditioning) installed and operational as per specifications. When mechanical details are installed in a closed with doors, it is suggested that the customer install a temperature alarm in the event of an air conditioning failure.
- Architectural features such as computer floor, wood floor, casework, built-ins, installed and finished.
- All plumbing installed and finished.
- Philips does not install or connect developing lenses, automatic processors or associated equipment, built-in illumination, cassette pass boxes, loading benches and cabinets, lead protective covers, panels or lead glass window and frames. This is to be done by the customer/contractor.
- Clear door openings for moving equipment into the building must be 42" (1067mm) w x 62" (1575mm) h min. 48" (1219mm) w x 62" (1575mm) h max. or larger contingent on an 8' - 0" (2438mm) corridor width.

Medical Imaging Diagnostic

Medical imaging equipment to be installed by Philips Medical is equipped with a service diagnostic feature which allows for remote and on-site service diagnostics. To establish this feature, a dedicated direct-dialing, dialing, voice-grade line must be installed as shown on plan. All cost with this feature are the responsibility of the customer.

General Specifications

- Responsibility**
The customer shall be solely responsible, at its expense for preparation of site, including any required structural alterations. The site preparation shall be in accordance with plans and specifications provided by Philips. Compliance with all safety, electrical, and building codes relevant to the equipment and its installation is the customer's responsibility. Sufficiency of such plans and specifications, specifically including, but not limited to the accuracy of the dimensions described herein, shall be the sole responsibility of customer. The customer shall advise Philips of conditions at or near the site which could adversely affect the carrying out of the installation work and shall ensure that such conditions are corrected and that the site is fully prepared and suitable to Philips before the installation work is due to begin. The customer shall provide all necessary plumbing, carpentry work, or conduit wiring required to attach and install products ready for use.
- Permits**
Customer shall obtain all permits and licenses required by federal, state/provincial or local authorities in connection with the construction, installation and operation of the products and shall bear any expense in obtaining same or in complying with any related rules, regulations, ordinances and statutes.
- Radiation Protection**
The customer or his contractor, at his own expense, shall obtain the service of a licensed radiation physicist to specify radiation protection.
- Alterations and Other Trade Subcontractors**
Philips assumes no liability for alterations (i.e. patch in existing transformers) made at the site. If any alterations are made, it shall be the sole responsibility of the customer to properly remove and dispose of the material at its expense. Any delays caused to the project by this special handling shall result in Philips being paid for completion being extended by the period of time. Philips assumes that no alterations made in this project in any ceiling, walls or floors. If any alterations are made in any of these areas, it shall be the customer's sole responsibility to properly remove and/or make safe the condition, at the customer's sole expense.
- Liability**
In the event local labor conditions make it impossible or undesirable to use Philips regular employees for such installation and connection, such work shall be performed by laborers supplied by the customer, or by an independent contractor chosen by the customer at the customer's expense, and in such case, Philips agrees to furnish adequate engineering supervision for proper completion of the installation.
- Schedule**
The general contractor should provide Philips with a schedule of work to assist in the coordination of delivery of Philips supplied products which are to be installed by the contractor and delivery of the primary equipment.
- Standard Installation or Turnkey Work by Philips**
Any special requirements for Philips equipment indicated on these drawings is the responsibility of the customer. If an extended installation or turnkey contract exists between Philips and the customer for more preparation work required by the equipment represented on these drawings. Some of the responsibilities of the customer as indicated in these drawings may be assumed by Philips. In the event of a conflict between the work described in the turnkey contract workscope and these drawings, the turnkey contract workscope shall govern.

Electrical Requirements
CMCP with PDU 4000

Supply Configuration: 3 phase, 3 wire power and ground. Delta or wye
Nominal Line Voltage: 440, 480 or 480 VAC, 60 HZ.
Branch Power Requirement: 225 KVA

HVAC Requirement for General Equipment Locations

Heating, ventilation, air conditioning requirement for general equipment locations must maintain temperature at 72° - 84° Fahrenheit (22° - 29° Celsius) and non-condensing relative humidity at 40% - 60%.

Project Number: N-EAS-00728

Scale: As Noted

Drawn By: Suzanne Walden

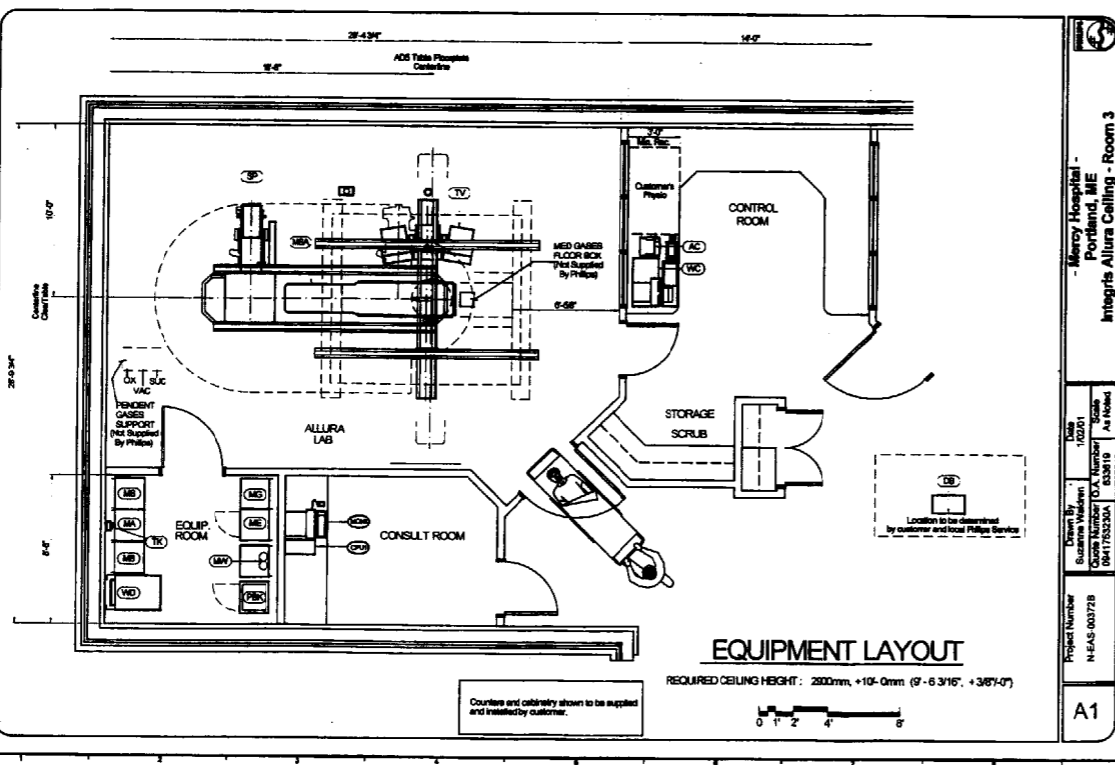
Checked By: Louis Pimental

Date: 10/20/01

Sheet: AN

Mercy Hospital - Portland, ME

Integris Allura Ceiling - Room 3



Equipment Legend			
Code	Description	Quantity	Unit
A-01	Class Board	2557	1190 AC
A-02	Angle Diagonal 5 with Fluo and Spewall	767	375 AC
A-03	Three Monitor Suspension	764	865 AC
A-04	CMCP Power Part (4x)	440	400 AC
A-05	CMCP Power Part (4x)	509	2899 AC
A-06	MPCMM Rack Cabinet	430	1837 AC
A-07	PDU 4000	710	2460 AC
A-08	Geometry Rack	592	1707 AC
A-09	Imaging Detection (BTV) Rack	442	1707 AC
A-10	System/Power Distribution Rack	1124	3414 AC
A-11	Desk Top Viewing Console	141	1025 AC
A-12	Acquisition Console CM	28	85 AC
A-13	Viewing Console Cabinet	737	865 AC
A-14	Documentation Etc. - Qty = 4	75	0 AC
<p>(Panel location to be coordinated with customer patch)</p>			
A-15	Remote Service Access Console	1	3 AC
A-16	San Ultra 10	44	36 AC
A-17	27" Philips Composite Monitor - EasyView	72	640 AC

<p>ISSUED FOR CONSTRUCTION</p> <p>1-19-01</p>	<p>ISSUED FOR CONSTRUCTION</p> <p>1-19-01</p>
<p>SMRT ARCHITECTURE ENGINEERING PLANNING</p> <p>144 Park Street/F.O. Box 616 Portland, Maine 04101 Tel: (207) 772-3944 Fax: (207) 772-1020</p>	
<p>MERCY HOSPITAL SPECIAL PROCEDURES ADDITION</p> <p>PROJECT: INTEGRIS ALLURA SHEETS C1, AN, A1, A2</p>	
<p>SHEET TITLE: NTS</p> <p>PROJECT MANAGER: CDP</p> <p>JOB CAP/DRAWN: CDP/</p> <p>A/E OF RECORD: SLB</p> <p>SMART CAD FILE: QA001-20109</p> <p>PROJECT No. 20109</p>	<p>DATE: 1-18-01</p> <p>GRAPHIC SCALE: 0" = 1'-0"</p> <p>SHEET No. QA001</p>

GENERAL NOTES:

Mercy Hospital - Portland, ME
Integrus Allura Ceiling - Room 3

Table

Weight	357 lbs (160 kg)
Heat Dissipation	1193 Btu/hr (350 kcal/hr)

Angle Chopped 6

Weight	797 lbs (360 kg)
Heat Dissipation	375 Btu/hr (110 kcal/hr)

Table plate is optional. This allows table to rotate +/- 90 degrees about center of table base. Table plate adjustable 20mm (7/16") higher off floor.

Spinecable table and drawer is optional. This allows the table to be +/- 100-120 degrees.

Weight: 428 lbs (191 kg) Heat Dissipation: 475 Btu/hr (140 kcal/hr)

Project Number: N-EAS-003726
Issue: 1/20/01
Author: Susanne Walker
Checker: D.A. Number
Date: 04/17/2004
Scale: 1/4" = 1'-0"

Mercy Hospital - Portland, ME
Integrus Allura Ceiling - Room 3

Table of equipment with a minimum depth of 3P is recommended to accommodate the monitor and Desk Top Unit - table or counter-top supplied by customer/contractor.

Weight: 141 lbs (64 kg) Heat Dissipation: 1020 Btu/hr (300 kcal/hr)

Weight: 357 lbs (160 kg) Heat Dissipation: 6520 Btu/hr (1921 kcal/hr)

Weight: 442 lbs (201 kg) Heat Dissipation: 1707 Btu/hr (500 kcal/hr)

Weight: 593 lbs (268 kg) Heat Dissipation: 1707 Btu/hr (500 kcal/hr)

Weight: 757 lbs (343 kg) Heat Dissipation: 3414 Btu/hr (1000 kcal/hr)

Weight: 442 lbs (201 kg) Heat Dissipation: 1707 Btu/hr (500 kcal/hr)

Weight: 442 lbs (201 kg) Heat Dissipation: 1707 Btu/hr (500 kcal/hr)

Weight: 442 lbs (201 kg) Heat Dissipation: 1707 Btu/hr (500 kcal/hr)

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Weight: 442 lbs (201 kg) Heat Dissipation: 1707 Btu/hr (500 kcal/hr)

Weight: 442 lbs (201 kg) Heat Dissipation: 1707 Btu/hr (500 kcal/hr)

Project Number: N-EAS-003726
Issue: 1/20/01
Author: Susanne Walker
Checker: D.A. Number
Date: 04/17/2004
Scale: 1/4" = 1'-0"

Mercy Hospital - Portland, ME
Integrus Allura Ceiling - Room 3

Weight: 710 lbs (322 kg) Heat Dissipation: 2490 Btu/hr (727 kcal/hr)

Weight: 430 lbs (195 kg) Heat Dissipation: 1537 Btu/hr (453 kcal/hr)

Weight: 472 lbs (214 kg) Heat Dissipation: 3274 Btu/hr (958 kcal/hr)

Weight: 71 lbs (32 kg) Heat Dissipation: 0 Btu/hr (0 kcal/hr)

Weight: 754 lbs (342 kg) Heat Dissipation: 683 Btu/hr (200 kcal/hr)

Weight: 44 lbs (20 kg) Heat Dissipation: 362 Btu/hr (106 kcal/hr)

Project Number: N-EAS-003726
Issue: 1/20/01
Author: Susanne Walker
Checker: D.A. Number
Date: 04/17/2004
Scale: 1/4" = 1'-0"

Mercy Hospital - Portland, ME
Integrus Allura Ceiling - Room 3

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Project Number: N-EAS-003726
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Author: Susanne Walker
Checker: D.A. Number
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Scale: 1/4" = 1'-0"

0 ISSUED FOR CONSTRUCTION 1-19-01

ISSUED FOR CONSTRUCTION 1-19-01

SMRT ARCHITECTURE ENGINEERING PLANNING

144 Fore Street, P.O. Box 418
 Portland, Maine 04104
 tel. (207) 772-3844
 fax. (207) 772-1070

MERCY HOSPITAL
 SPECIAL PROCEDURES ADDITION
 PORTLAND, MAINE

PROJECT: INTEGRIS ALLURA
 SHEETS AD1, AD2, AD3, AD4

SCALE: NTS DATE: 1-19-01

PROJECT MANAGER: CDP GRAPHIC SCALE: 1" = 1'-0"

JOB CAP/DRAWN: CDP/

A/E OF RECORD: ELB SHEET No. QA002

SMRT CAD FILE: QA002-20106 PROJECT No. 20109

GENERAL NOTES:

Attachment Support Information

- General**
The customer shall be solely responsible, at all times, for preparation of the site, including any required structural alterations. The site preparation shall be in accordance with this plan and specifications. The customer shall be solely responsible for obtaining all necessary permits and approvals. The customer shall be solely responsible for obtaining all necessary permits and approvals.
- Equipment Installation**
Where possible, with the plan and specifications, information relative to equipment size, weight, shape, mounting (concrete and steel) shall be provided on existing building. The customer shall be solely responsible, through the engineer of record for the building, to provide on the architectural/structural drawings, information regarding the proposed method of structural support, fasteners and anchors to which Philips will attach equipment. Any structural steel required by local authority shall be the customer's responsibility. The floor surface upon which Philips equipment is to be placed shall be flat and level to within plus or minus 1/8" (2mm).
- Floor Loading and Surface**
Where possible, with the plan and specifications, information relative to size, weight and shape of floor structural equipment. The customer shall be solely responsible, through the engineer of record for the building, to provide on the architectural/structural drawings, information regarding the proposed method of structural support, fasteners and anchors to which Philips will attach equipment. Any structural steel required by local authority shall be the customer's responsibility. The floor surface upon which Philips equipment is to be placed shall be flat and level to within plus or minus 1/8" (2mm).
- Ceiling Support Assumptions**
Philips provides, with the plan and specifications, information relative to size, weight and shape of ceiling support equipment. The customer shall be solely responsible, through the engineer of record for the building, to provide on the architectural/structural drawings, information regarding the proposed method of structural support, fasteners and anchors to which Philips will attach equipment. Any structural steel required by local authority shall be the customer's responsibility. Contractor to clearly mark Philips equipment longitudinal centerline on bottom of each structural support.
The structural support apparatus surface to which Philips equipment is to be attached, shall have horizontal equipment attachment surface parallel, square and level to within plus or minus 1/8" (2mm).
Any ceiling and/or supply of holes required to attach Philips equipment to the structural support apparatus shall be the responsibility of the customer.
Fasteners/anchors &c., bolts, wing nuts, lock and flat washers and split channels shall be provided by the customer.
- Lighting**
Lighting fixtures shall be placed in such a position that they are not obscured by equipment or its movement, nor shall they interfere with Philips ceiling cable and equipment movement or otherwise adversely affect the equipment. Such lighting fixture locations shall be the sole responsibility of the customer.
- Ceiling Obstructions**
There shall be no obstructions (e.g. pipes, ductwork, etc.) in the area concealing ceiling suspended equipment leads.
- Structural Anchorage (Per Manufacturer's Instructions)**
All structural anchorage hardware, including brackets, leveling plates, bolts, etc., shall be supplied and installed by the contractor/constructor unless otherwise specified within the support legend on this sheet. Installation of all structural anchorage hardware shall be in accordance with the manufacturer's instructions. Do not use chemical anchors or other systems. Consult with Philips regarding any anchor system issues.
- Floor Obstructions**
There shall be no obstructions on the floor (e.g. floor tracks, etc.) in front of the Philips structural cabinets. Floor marks clear or other marks below shall be the sole responsibility of the customer.

Project Number: H-EAS-003728
Scale: As Noted
Date: 10/20/01
Drawn By: Suzanne Wiseman
Checked By: [Signature]
As Noted

Integrus Allura Ceiling - Room 3
SN

Floor Support Legend

ACI Universal Floorplate
Documentation (See exchange)
(Final location to be coordinated with customer & architect of record)

Ceiling Support Legend

2 - Philips One Path
2 - Philips Medical Equipment Path
Unless (P100) mounted flush with finished ceiling

Project Number: H-EAS-003728
Scale: As Noted
Date: 10/20/01
Drawn By: Suzanne Wiseman
Checked By: [Signature]
As Noted

Integrus Allura Ceiling - Room 3
SL

FLOOR SUPPORT LAYOUT

REQUIRED CEILING HEIGHT: 2900mm, +10/-0mm (9'-6 3/16", +3/8"/-0")

Project Number: H-EAS-003728
Scale: As Noted
Date: 10/20/01
Drawn By: Suzanne Wiseman
Checked By: [Signature]
As Noted

Integrus Allura Ceiling - Room 3
S1

CEILING SUPPORT LAYOUT

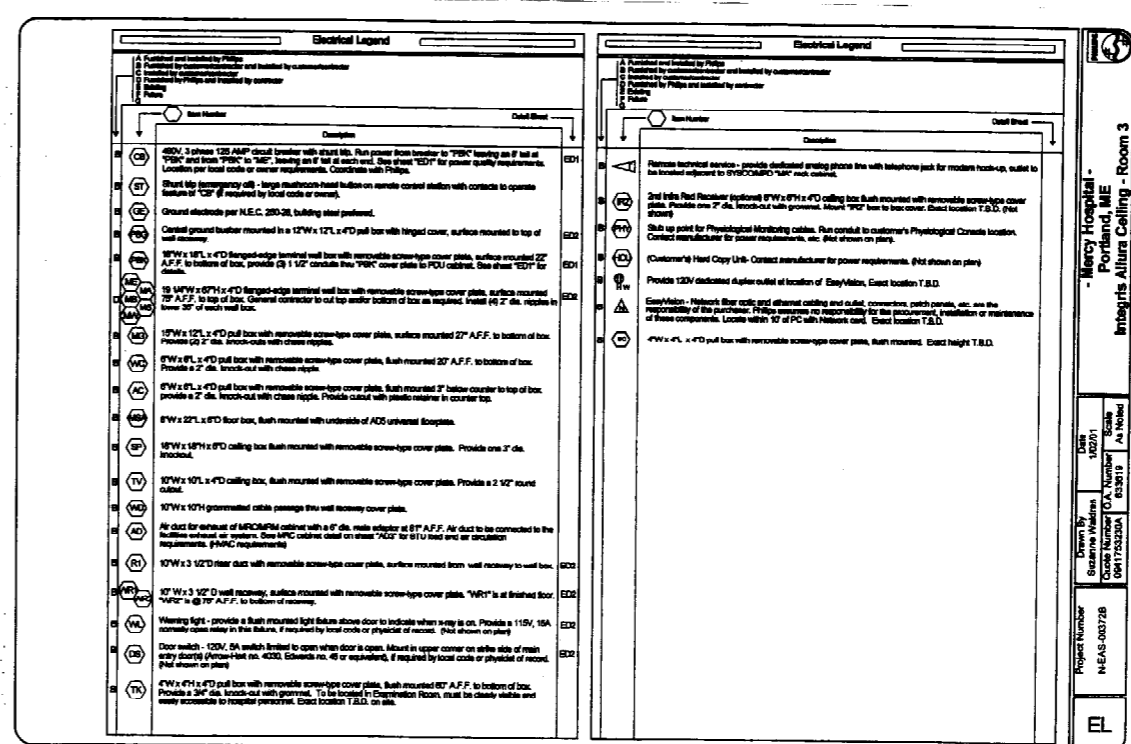
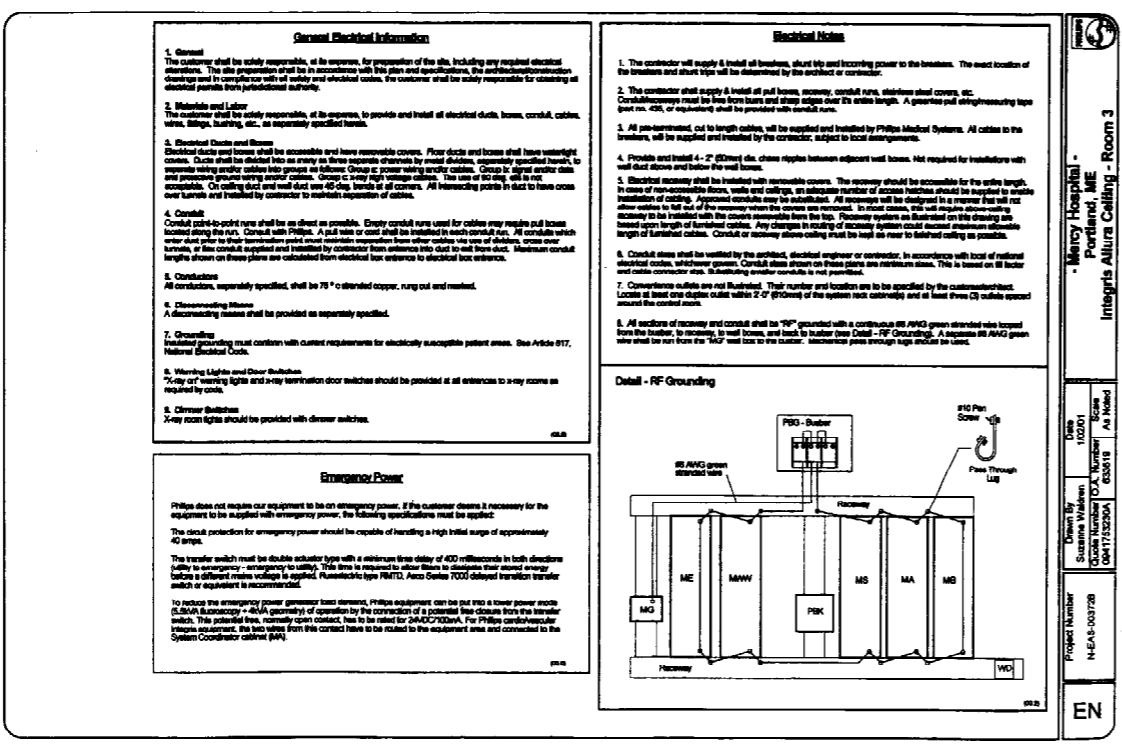
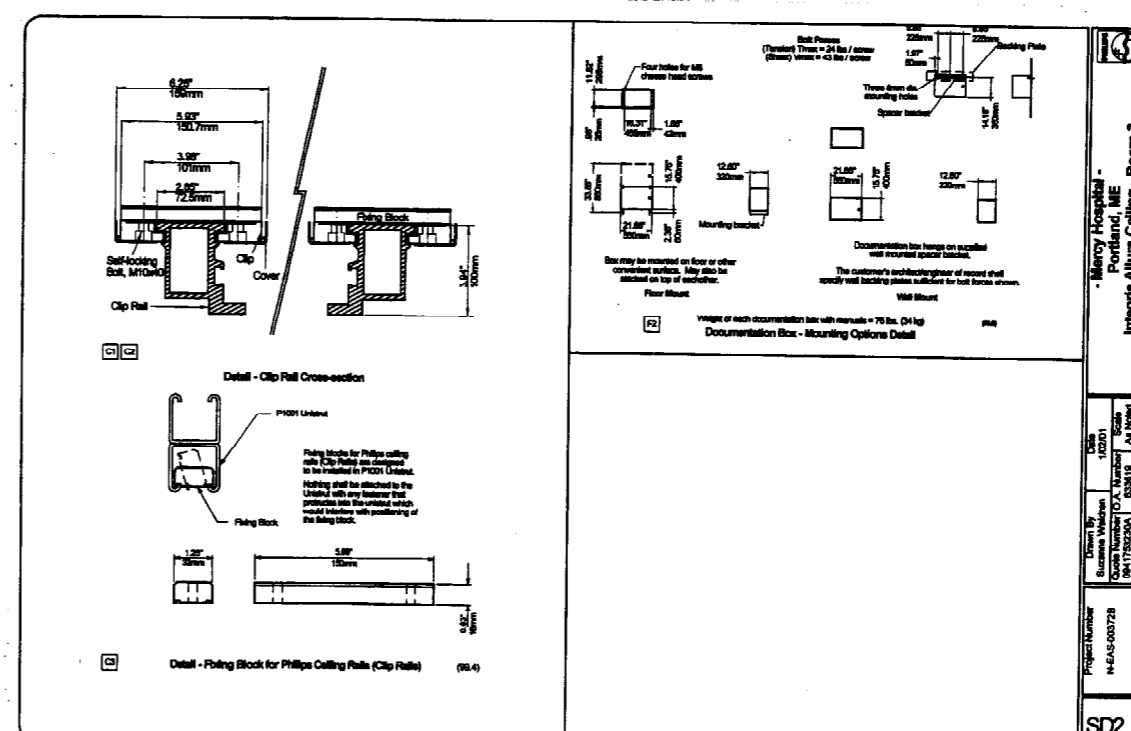
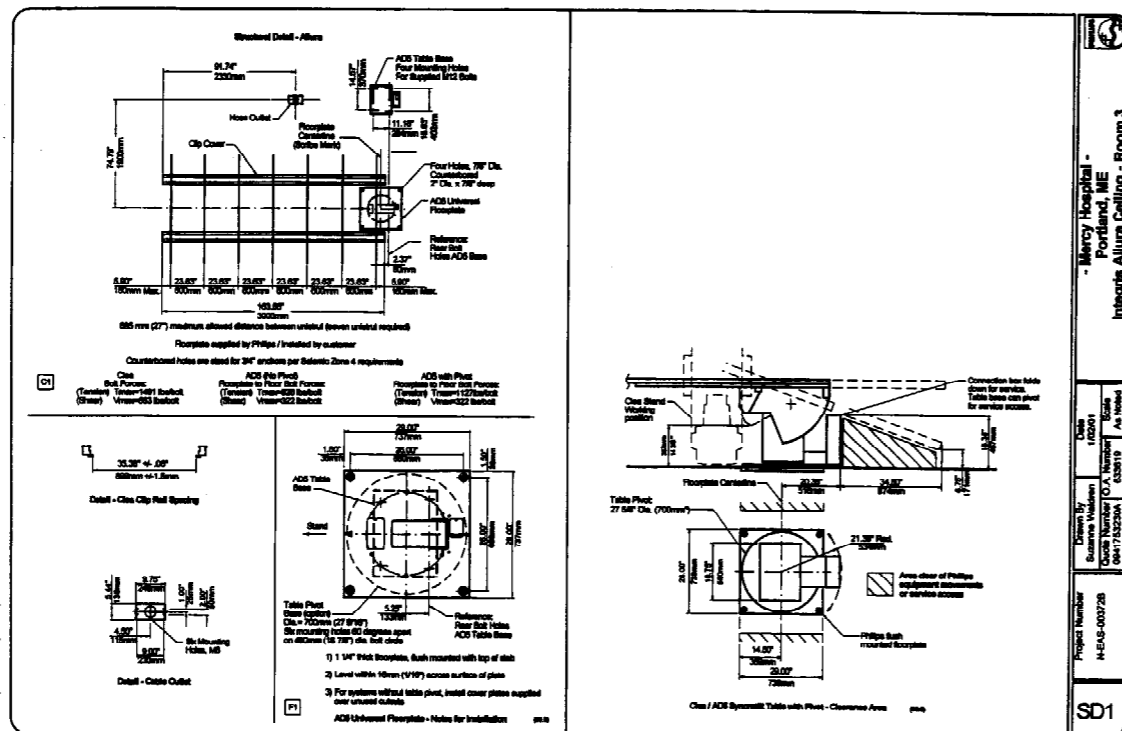
REQUIRED CEILING HEIGHT: 2900mm, +10/-0mm (9'-6 3/16", +3/8"/-0")

Project Number: H-EAS-003728
Scale: As Noted
Date: 10/20/01
Drawn By: Suzanne Wiseman
Checked By: [Signature]
As Noted

Integrus Allura Ceiling - Room 3
S2

0	ISSUED FOR CONSTRUCTION	1-19-01
REV.	DESCRIPTION	DATE
ISSUED FOR CONSTRUCTION		
1-19-01		
CURRENT ISSUE STATUS:		
SMRT		
ARCHITECTURE ENGINEERING PLANNING		
SMRT 144 Park Street, P.O. Box 618 Portland, Maine 04104 Tel. (207) 773-3846 Fax. (207) 773-1070		
MERCY HOSPITAL		
SPECIAL PROCEDURES ADDITION		
PORTLAND, MAINE		
PROJECT:		
INTEGRIS ALLURA		
SHEETS SN, SL, S1, S2		
SHEET TITLE:		
SCALE: NTS	DATE: 1-19-01	
PROJECT MANAGER: COP	GRAPHIC SCALE: 0"	
JOB CAP/DRAWN: COP/		
A/E OF RECORD: ELB	SHEET No.	
SMRT CAD FILE: QA003-20109		
PROJECT No. 20109		QA003

GENERAL NOTES:



ISSUED FOR CONSTRUCTION
1-19-01

SMRT
ARCHITECTURE ENGINEERING PLANNING
144 Fore Street, P.O. Box 618
Portland, Maine 04104
Tel: (207) 772-3946
Fax: (207) 772-1070

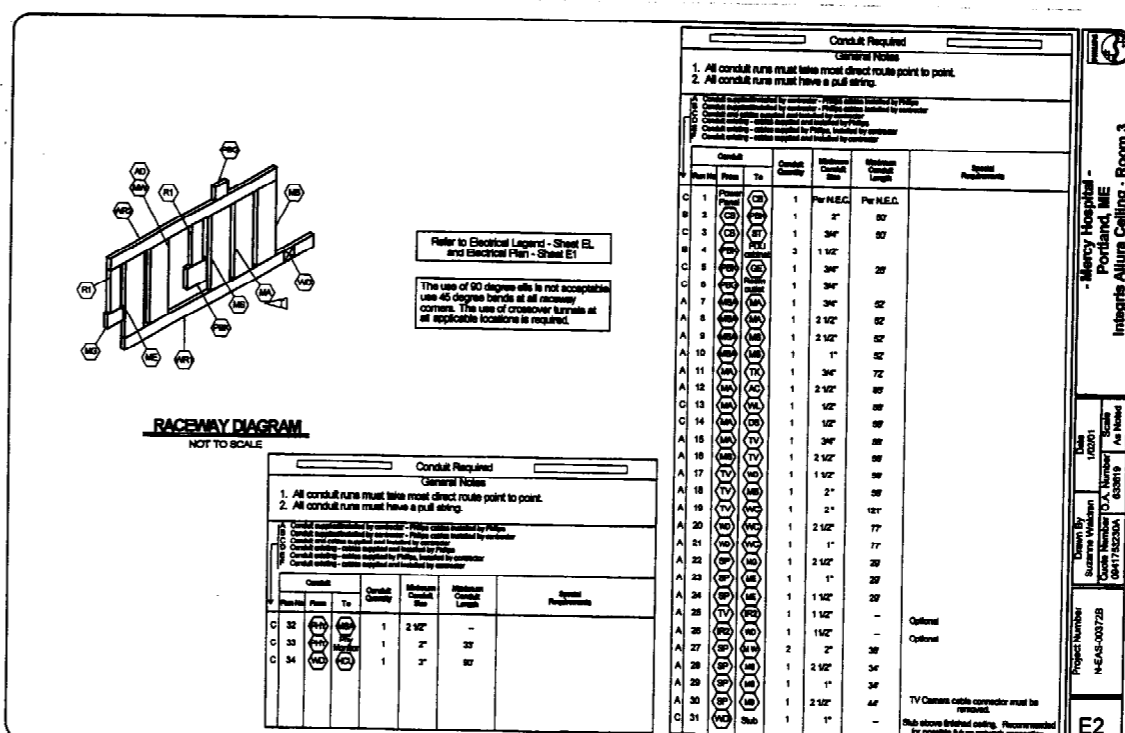
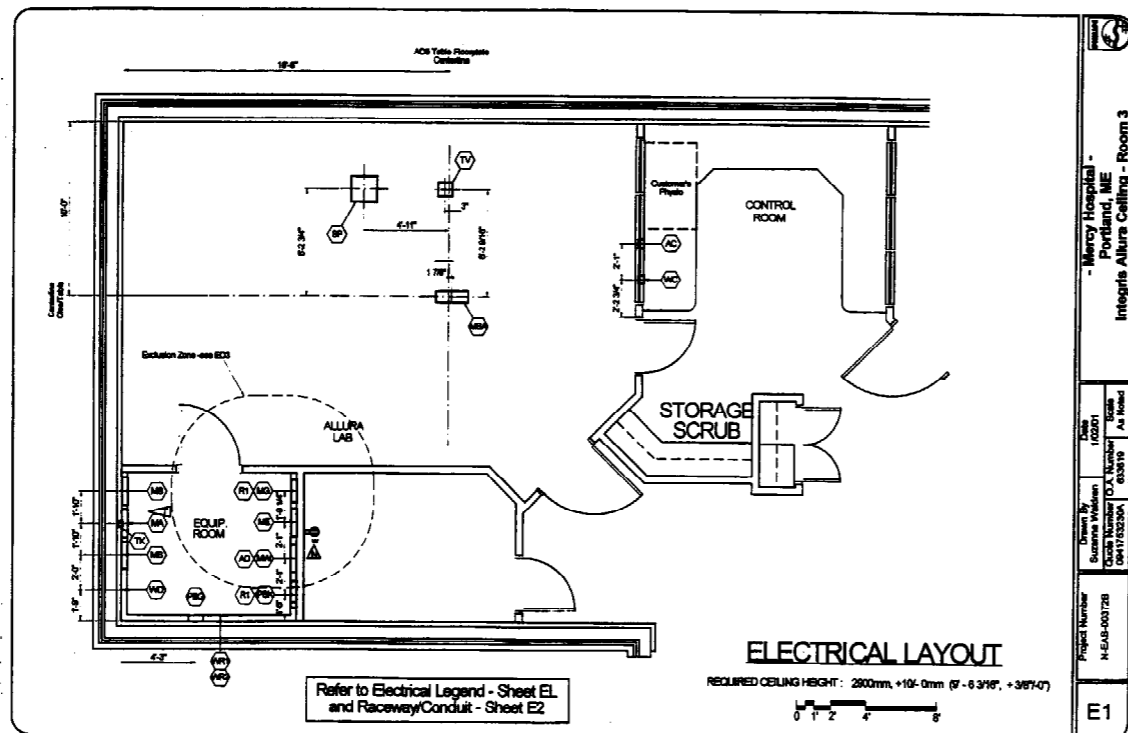
MERCY HOSPITAL
SPECIAL PROCEDURES ADDITION
PORTLAND, MAINE

INTEGRUS ALLURA
SHEETS SD1, SD2, EN, EL

PROJECT No. 20109

SCALE: NTS **DATE:** 1-19-01
PROJECT MANAGER: CDP **GRAPHIC SCALE:**
JOB CAP/DRAWN: CDP/
A/E OF RECORD: ELB **SHEET No.**
SMRT CAD FILE: Q004-20109
PROJECT No. 20109

GENERAL NOTES:



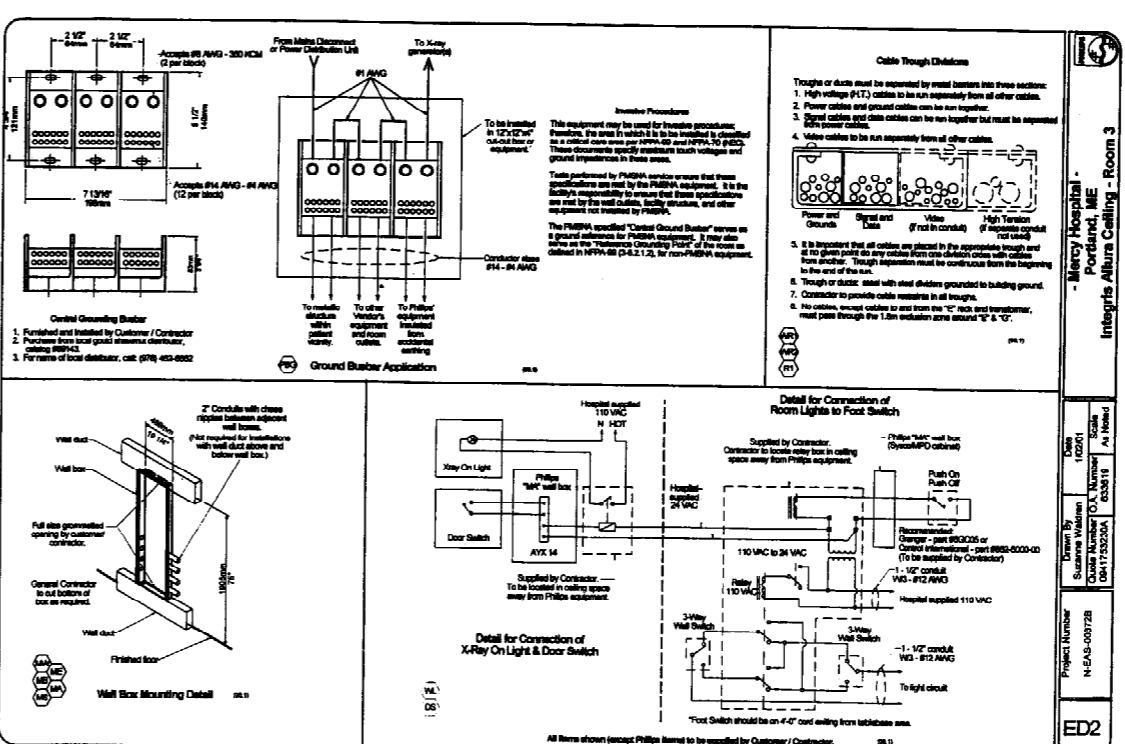
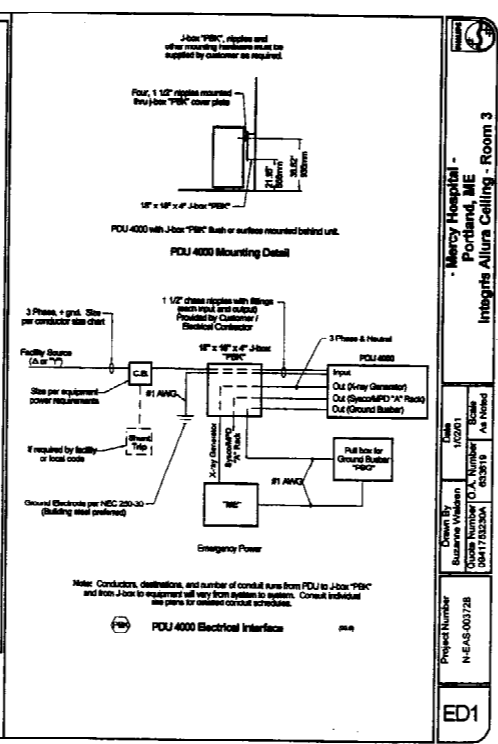
Power Quality Requirements
 OMCIP with PDU 4000

Power Output: 100 kW
 Supply configuration: 3 phase, 3 wire power and ground. Delta or wye
 Nominal line voltage: 440, 480, or 480 VAC, 60 HZ
 Line voltage variation: +1-8% steady-state
 Line voltage balance: 2% maximum of nominal voltage between phases
 Frequency variation: +/- 1% (+/- 0.6 hertz)
 Voltage surges: to 110% of steady-state voltage 100 msec, maximum duration, 6 per hour maximum
 BRANCH CIRCUITS AND WIRING SHALL MEET REQUIREMENTS OMCIP WITH PDU 4000

Branch power: 225 kVA
 Circuit breaker: 3 pole, 125 ampere
 Max. instantaneous power: 200 kVA (1000 MA @ 100 KV)
 Recommended conductor sizes for 1% impedance of branch conductors (based on 30 C conductor):

AWG	380 VAC	440 VAC	480 VAC
10 AWG	75 FT.	80 FT.	86 FT.
30 AWG	75 FT.	101 FT.	108 FT.
30 AWG	95 FT.	127 FT.	136 FT.
40 AWG	120 FT.	161 FT.	176 FT.
300 NCM	142 FT.	180 FT.	208 FT.
300 NCM	170 FT.	228 FT.	272 FT.
400 NCM	227 FT.	304 FT.	333 FT.
500 NCM	284 FT.	381 FT.	483 FT.

Inst. current: 300 A, 200 A, 250 A, 240 A
 Max. phase-to-phase impedance: 0.15 Ohms, 0.15 Ohms, 0.15 Ohms, 0.15 Ohms
 Max. load voltage drop: 45.0 V, 39.0 V, 37.5 V, 30.0 V
 Percent regulation at max. load: 11.2%, 8.8%, 8.2%, 7.5%
 Minimum copper wire size, circuit breaker to PDU: #1



ISSUED FOR CONSTRUCTION
 1-19-01

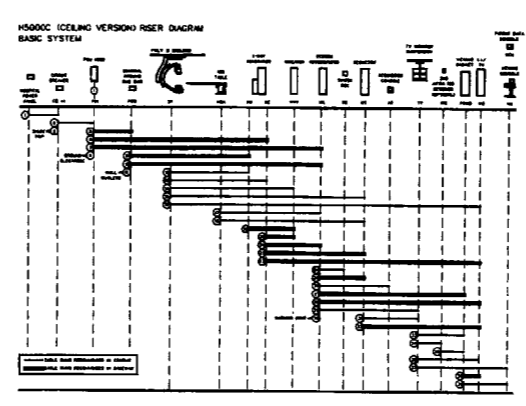
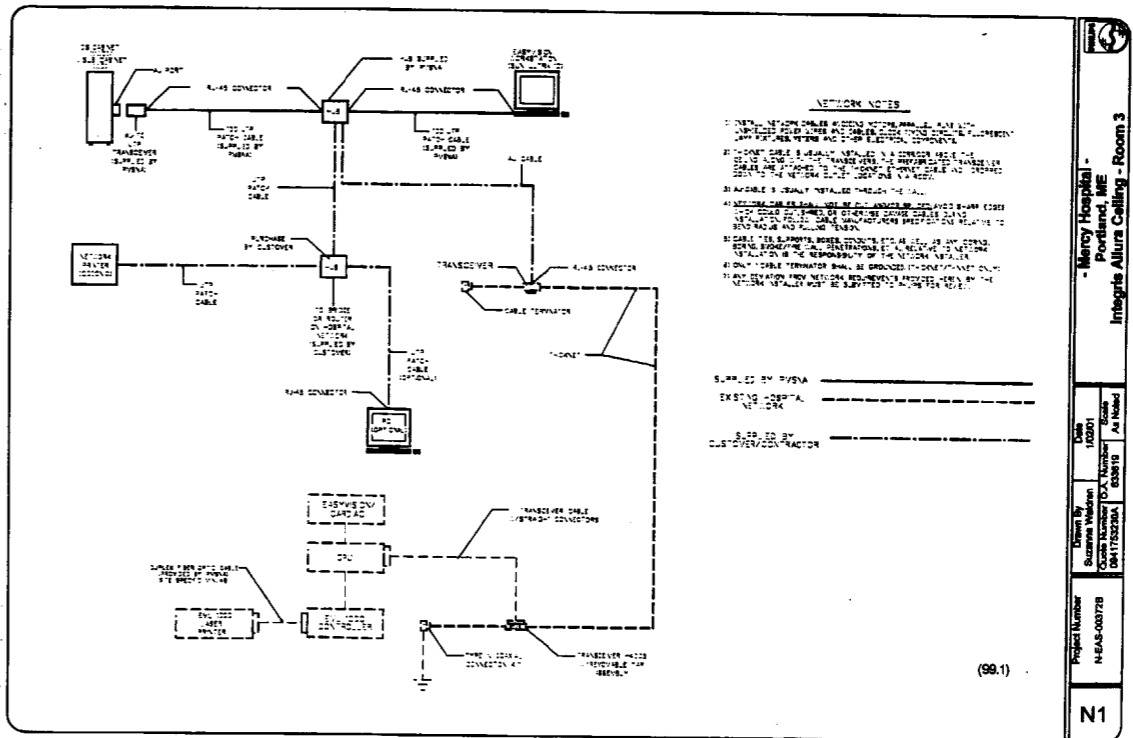
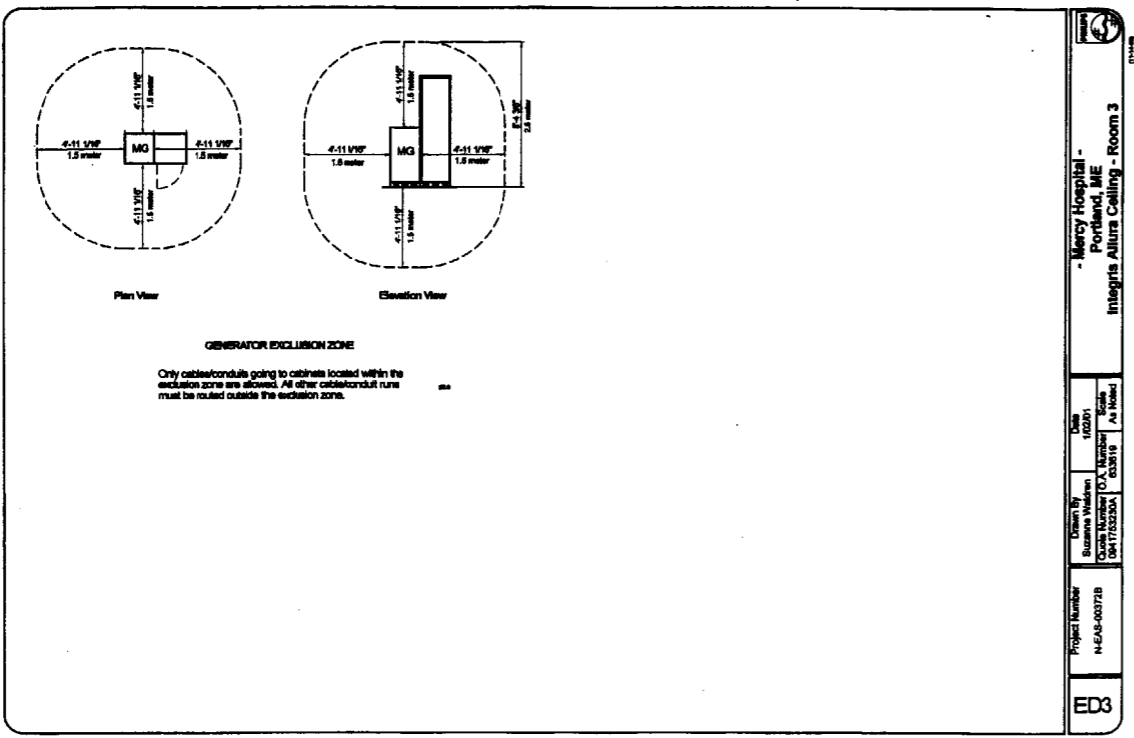
SMRT ARCHITECTURE ENGINEERING PLANNING
 144 Fore Street, P.O. Box 618
 Portland, Maine 04104
 Tel: (207) 773-3946
 Fax: (207) 773-1070

MERCY HOSPITAL
 SPECIAL PROCEDURES ADDITION
 PORTLAND, MAINE

INTEGRINS ALLURA
 SHEETS E1, E2, ED1, ED2

SCALE: NTS DATE: 1-19-01
 PROJECT MANAGER: CUP GRAPHIC SCALE: 1" = 1'-0"
 JOB CAP/DRAWING: CDP/
 A/E OF RECORD: ELB SHEET No.
 SMART CAD FILE: QA005-20109
 PROJECT No. 20109

GENERAL NOTES:




CABLING & CONDUIT SCHEDULE		CABLING & CONDUIT SCHEDULE	
NO.	DESCRIPTION	NO.	DESCRIPTION
1	100000 (CEILING VERSION) RISER DIAGRAM BASIC SYSTEM	1	100000 (CEILING VERSION) RISER DIAGRAM BASIC SYSTEM
2	...	2	...
3	...	3	...
4	...	4	...
5	...	5	...
6	...	6	...
7	...	7	...
8	...	8	...
9	...	9	...
10	...	10	...

NOTES FOR REFERENCE:

1. ALL CABLES SHALL BE INSTALLED IN A CONDUIT UNDER THE CEILING AND SHALL BE PROTECTED BY A RIGID PVC CONDUIT.
2. ALL CABLES SHALL BE INSTALLED IN A CONDUIT UNDER THE CEILING AND SHALL BE PROTECTED BY A RIGID PVC CONDUIT.
3. ALL CABLES SHALL BE INSTALLED IN A CONDUIT UNDER THE CEILING AND SHALL BE PROTECTED BY A RIGID PVC CONDUIT.
4. ALL CABLES SHALL BE INSTALLED IN A CONDUIT UNDER THE CEILING AND SHALL BE PROTECTED BY A RIGID PVC CONDUIT.
5. ALL CABLES SHALL BE INSTALLED IN A CONDUIT UNDER THE CEILING AND SHALL BE PROTECTED BY A RIGID PVC CONDUIT.
6. ALL CABLES SHALL BE INSTALLED IN A CONDUIT UNDER THE CEILING AND SHALL BE PROTECTED BY A RIGID PVC CONDUIT.
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8. ALL CABLES SHALL BE INSTALLED IN A CONDUIT UNDER THE CEILING AND SHALL BE PROTECTED BY A RIGID PVC CONDUIT.
9. ALL CABLES SHALL BE INSTALLED IN A CONDUIT UNDER THE CEILING AND SHALL BE PROTECTED BY A RIGID PVC CONDUIT.
10. ALL CABLES SHALL BE INSTALLED IN A CONDUIT UNDER THE CEILING AND SHALL BE PROTECTED BY A RIGID PVC CONDUIT.

0	ISSUED FOR CONSTRUCTION	1-19-01
REV.	DESCRIPTION	DATE
ISSUED FOR CONSTRUCTION		
1-19-01		
CURRENT ISSUE STATUS:		
ARCHITECTURE ENGINEERING PLANNING SMRT 144 Fore Street/7th Fl. Box 618 Portland, Maine 04104 Tel: (207) 775-3046 Fax: (207) 772-1070		
MERCY HOSPITAL SPECIAL PROCEDURES ADDITION PORTLAND, MAINE		
PROJECT: INTEGRIS ALLURA SHEETS ED3, N1		
SHEET TITLE:	NTS	DATE: 1-19-01
SCALE:	NTS	GRAPHIC SCALE: 0"
PROJECT MANAGER: CDP	CDP	
JOB CAP/DRAWN: CDP	CDP	
A/E OF RECORD: ELB	ELB	SHEET No.
SMRT CAD FILE: QAO05-20109		QA006
PROJECT No. 20109		

GENERAL NOTES:



PHILIPS

Philips Medical Systems
www.pmsna.com

Project Manager: Louis Pimenta
East Voice Mail: (888) 345-0002 #6516
E-mail: louis.pimenta@philips.com

Revisions			
Rev	Date	Description	By
A	08/00	AT, AD, DL, BH, EI	RS
B	07/00	AL, R, BL, BL, EI	RS

Table of Contents	
Section A - Equipment Plan	
General Notes	—A4
Equipment Plans	—A1
Equipment Layout	—A2
Equipment Details	—AD1 - AD3
Section B - Support Plan	
Support Notes	—B1
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Support Plan - Floor	—B1
Support Plan - Ceiling	—B2
Support Details	—B01
Section E - Electrical Plan	
Electrical Notes	—E1
Electrical Plan	—E1
Passway and Conduits	—E2
Electrical Details	—ED1-ED2

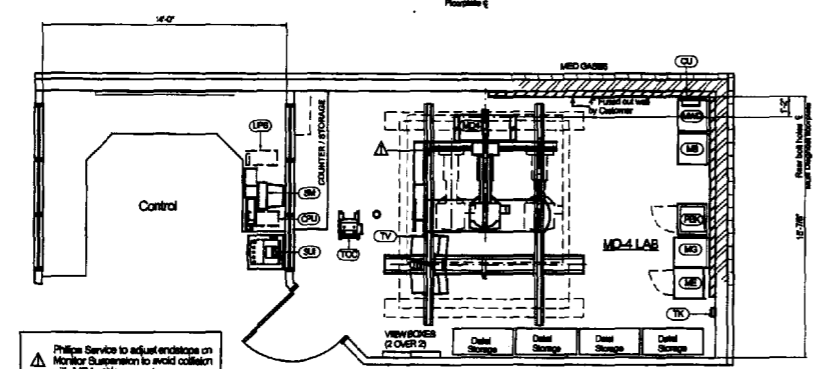
This file plan is provided as a customer convenience, and is not to be construed as an architectural plan or construction document.

Philips assumes no liability nor offers any warranty for the fitness or adequacy of the premises or the utilities available at the premises in which the equipment is to be installed, used or stored.

Drawn By: R. Pimenta
Checked By: R. Pimenta
Scale: As Noted

Project Number: H-EAS-002738

C1



Equipment Layout

Recommended Ceiling Height: 7'-6"

Ceiling heights other than recommended may impact equipment functionality; consult with Philips.

Drawn By: R. Pimenta
Checked By: R. Pimenta
Scale: As Noted

Project Number: H-EAS-002738

A1

Minimum Site Preparation Requirements

A smooth, efficient installation is vital to Philips and their customers. Understanding what the minimum site preparation requirements are will help achieve this goal. The following list clearly defines the requirements which must be fulfilled before the installation can begin.

1. Walls to be painted or covered, baseboards installed, floors to be flat and/or covered, ceiling shall have grid lines and lighting fixtures installed.
2. Doors and windows, especially radiation protection barriers, installed and finished with tobacco operations.
3. All electrical connections, conduit, accessory and junction boxes installed.
4. Incoming main power operational and connected to room main breaker.
5. 110v convenience outlets operational.
6. All support structures correctly installed. All channels, pipes, beams and/or other supporting devices should be level, parallel, and free of lateral or longitudinal movements.
7. All contractor supplied tables pulled and laid-out.
8. A dust-free environment in and around the procedure room.
9. All HVAC (heating, ventilation and air conditioning) installed and operational as per specifications.
10. Architectural finishes such as computer floor, wood floor, concrete, subfloors, installed and finished. When architectural cabinets are installed in a duct with doors, it is suggested that the customer install a lampless alarm in the event of an air conditioning failure.
11. All plumbing installed and finished.
12. Philips does not install or connect deaerating tanks, automatic pressure or associated equipment, built in illustrations, control panel units, loading benches and cabinets, lead protective screens, panels or lead glass windows and doors. This is to be done by the customer/contractor.
13. Clear door openings for moving equipment into the building must be 42" (1067mm) x 82" (2083mm) in min. x 42" (1067mm) x 82" (2083mm) in max. Or larger contingent on an 8'-0" (2438mm) ceiling width.

Note: Once Philips has moved equipment into the suite and started the installation, the contractor shall schedule the work around the Philips installation team on site. It is suggested that a telephone be published in the room to receive telephone calls. This would decrease facility staff burn-incoming calls for Philips personnel.

Remote Service Diagnostic

Medical imaging equipment to be installed by Philips Medical is equipped with a service diagnostic feature which allows for remote and on-site service diagnosis. To assemble this feature, a customer-defined distance - dialing - voice-grade line must be installed as shown on plan. All cut with this feature are the responsibility of the customer.

05/11

General Specifications

1. Responsibility
The customer shall be solely responsible, at its expense, for preparation of site, including any required structural alterations. The site preparation shall be in accordance with these and specifications approved by Philips as being suitable for the equipment and in compliance with all safety electrical and building codes relevant to the equipment and its installation. Sufficiency of such items and specifications, especially loading, but not limited to the accuracy of the dimensions described herein, shall be the sole responsibility of customer. The customer shall release Philips of conditions at or near the site which could adversely affect the carrying out of the installation work and shall ensure that such conditions are corrected and that the site is fully prepared and available to Philips before the installation work is due to begin. The customer shall provide all necessary planning, copy work, or conduit wiring required to attach and install products ready for use.

2. Permits
Customer shall obtain all permits and licenses required by federal, state/provincial or local authorities in connection with the construction, installation and operation of the products and shall bear any expense in obtaining same or incorporating with any related rules, regulations, ordinances and edicts.

3. Radiation Protection
The customer or his contractor, at his own expense, shall obtain the services of a licensed radiologist physicist to specify radiation protection.

4. Additional and Other Trade Installations
Philips assumes no responsibility for, jobs in existing (preformed) walls of the site, if any hazardous materials are found, it shall be the sole responsibility of the customer to properly remove and dispose of the material at its expense. Any other related jobs in the project for the specific building shall result in Philips being notified for completion being extended by the project of time. Philips assumes that no existing material is found anywhere on the site, it shall be the customer's sole responsibility to properly remove and/or make safe this material, at the customer's sole expense.

5. Labor
In the event local labor conditions make it infeasible or unprofitable to use Philips regular employees for such installation and connection, such work shall be performed by laborers supplied by the customer, or by an independent contractor chosen by the customer at the customer's expense, and in such case, Philips agrees to furnish adequate engineering supervision for proper completion of the installation.

6. Schedule
The general contractor should provide Philips with a schedule of work to be installed in the coordination of delivery of Philips supplied products which are to be installed by the contractor and delivery of the pre-installed equipment.

7. Installation Installation or Turnkey Work by Philips
Any non-preparation requirements for Philips equipment indicated on these drawings is the responsibility of the customer. If an installation or turnkey contract exists between Philips and the customer for any preparation work required by the equipment represented on these drawings. Some of the responsibilities of the customer as depicted in these drawings may be assumed by Philips. In the event of a conflict between the work described in the turnkey contract workscope and these drawings, the turnkey contract workscope shall govern.

05/11

Drawn By: R. Pimenta
Checked By: R. Pimenta
Scale: As Noted

Project Number: H-EAS-002738

AN

Equipment Legend			
Equipment Designation	Quantity	Unit Price	Total Price
Multi-Diagnost 4 (2nd Version)	3147	208	654,586
Super 40 CP Control Cabinet	207	207	42,849
Super 40 CP Diagnostic Cabinet	487	207	100,809
System User Interface	90	350	31,500
Multi-Diagnost 4 Console	125	350	43,750
Two Monitor Suspension	90	476	42,840
Multi-Diagnost 4 Imaging DR Rack	582	1767	1,026,394
PDU 8000	548	1280	702,240
Mounting Storage Cabinet	90	0	0
Remote Service Access Cover	1	3	3
DR Control Cabinet	410	2720	1,115,200
DR Line Interface and Monitor	53	265	14,005
DR Line Workstation	44	362	15,948
Undersupport Power Supply	200	60	12,000
CU 810 Cooling Unit	35	1797	62,395

Drawn By: R. Pimenta
Checked By: R. Pimenta
Scale: As Noted

Project Number: H-EAS-002738

A2

<p>ISSUED FOR CONSTRUCTION</p> <p>REV. DESCRIPTION DATE</p> <p>0 ISSUED FOR CONSTRUCTION 1-19-01</p>	<p>ISSUED FOR CONSTRUCTION</p> <p>1-19-01</p>
<p>SMRT ARCHITECTURE ENGINEERING PLANNING</p> <p>144 Fore Street, Box 618 Portland, Maine 04104 Tel: (207) 773-3046 Fax: (207) 773-1070</p>	
<p>MERCY HOSPITAL</p> <p>SPECIAL PROCEDURES ADDITION</p> <p>PORTLAND, MAINE</p>	
<p>PROJECT: MULTI-DIAGNOST 4</p> <p>SHEETS C1, AN, A1, A2</p>	
<p>SHEET TITLE: _____</p> <p>SCALE: NTS DATE: 1-19-01</p> <p>PROJECT MANAGER: CDP GRAPHIC SCALE: 1" = 1'</p> <p>JOB CAD/DRAWN: CDP/</p> <p>A/E OF RECORD: ELB SHEET No. _____</p> <p>SMRT CAD FILE: QAO07-20108 SHEET No. QA007</p> <p>PROJECT No. 20108</p>	

GENERAL NOTES:

Table Operating Controls

Weight	120 lbs	(21 lbs)
Heat Dissipation	600 Btu/hr	(120 Btu/hr)

**Sun Lines 6' 10\"/>

Weight	44 lbs	(20 lbs)
Heat Dissipation	260 Btu/hr	(50 Btu/hr)

Equipment Support Information

- Clearance**
The customer shall be solely responsible for the provision of the site, including any needed structural alterations, for the installation of the equipment in accordance with the plan and specifications. The structural modifications design and its compliance with all safety and building codes. The customer shall be solely responsible for obtaining all construction permits from jurisdictional authority.
- Structural Attachment**
Philips products, with the plan and specifications, information relative to clearance and weight, height, depth, including floor loadings and forces which may be applied on anchoring to building, to provide the architectural/interior design, information required for the building, to provide the architectural/interior design, information required for the building, to provide the architectural/interior design, information required for the building. Any anchorage and fasteners shall be the customer's responsibility. All type anchorage shall be as specified in the equipment manual for service. Contact with Philips service prior to specifying any fasteners.
- Floor Loading and Surface**
Philips products, with the plan and specifications, information relative to clear, weight and shape of ceiling equipment. The customer shall be solely responsible, through the architect or interior design, to provide the architectural/interior design, information required for the building, to provide the architectural/interior design, information required for the building. Any anchorage and fasteners shall be the customer's responsibility. The floor shall be as specified in the equipment manual for service. Contact with Philips service prior to specifying any fasteners.
- Ceiling Support Apparatus**
Philips products, with the plan and specifications, information relative to clear, weight and shape of ceiling equipment. The customer shall be solely responsible, through the architect or interior design, to provide the architectural/interior design, information required for the building, to provide the architectural/interior design, information required for the building. Any anchorage and fasteners shall be the customer's responsibility. The ceiling shall be as specified in the equipment manual for service. Contact with Philips service prior to specifying any fasteners.
- Lighting**
Lighting fixtures shall be placed in such a position that they are not obscured by equipment or its movement, nor shall they interfere with Philips ceiling cable and equipment movement, in addition, they shall not interfere with Philips ceiling cable, equipment movement or otherwise obstruct the equipment. Such lighting fixtures shall be the sole responsibility of the customer.
- Ceiling Obstructions**
There shall be no obstructions that project below the finished ceiling in the area covered by ceiling suspended equipment.
- Structural Attachments (For Outside Service Only)**
All ceiling attachments, including brackets, leveling plates, bolts, etc., shall be supplied and installed by the customer/interior design or other qualified person within the support structure of the building. Structural attachments to meet ceiling equipment requirements shall be accomplished using expansion type (A307, etc.) anchors and anchors to facilitate the removal of ceiling by maintenance. Do not use chemical anchors or other systems. Contact with Philips regarding any anchor system issues.
- Floor Obstructions**
There shall be no obstructions on the floor (sliding door tracks, etc.) in front of the Philips installed equipment. Floor must be clear to allow equipment to be pulled away from the wall for service.

Ceiling Support Legend

Item Number	Description	Detail Sheet
A	Philips Equipment Rails	SN
B	Unidirect (P-100) mounted flush with finished ceiling	SN

Floor Support Legend

Item Number	Description	Detail Sheet
A	Mill Chipboard Floorplate	SN
B	Manual Storage Cabinet Anchorage	SN

COLLISION IN PLANNING PHASE

Floor Support Layout

Recommended Ceiling Height: 9'-0"

Scale: 0 1 2 4 8

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CURRENT ISSUE STATUS:		
ARCHITECTURE ENGINEERING PLANNING SMRT 144 Fore Street/P.O. Box 618 Portland, Maine 04104 Tel. (207) 777-3846 Fax. (207) 777-1070		
MERCY HOSPITAL SPECIAL PROCEDURES ADDITION PORTLAND, MAINE		
MULTI-DIAGNOST 4 SHEETS ADS, SN, SL, S1		
SHEET TITLE:	1-19-01	
SCALE: NTS	DATE:	1-19-01
PROJECT MANAGER: CDP	GRAPHIC SCALE: 0" = 1"	
JOB CAP/DRAWN: CDP		
A/E OF RECORD: ELB	SHEET No.	
SMRT CAD FILE: QA009-20109	QA009	
PROJECT No. 20109		

GENERAL NOTES:

Raceway Diagram
Not to Scale

Order	Quantity	Notes	Material	Length	Notes
C	1		Per N.E.C. 76 N.W.S.C.		
B	2		1"	57	
B	3		3/4"	57	
B	4		1 1/2"	57	
A	5		3/4"	28	
A	6		3/4"	28	
A	7		3/4"	28	
A	8		1"	45	
A	9		3/4"	72	
A	10		1"	55	
A	11		3/4"	28	
A	12		3/4"	28	
A	13		3/4"	28	
A	14		1 1/2"	45	
A	15		1 1/2"	45	
A	16		1"	45	
A	17		1"	45	
A	18		2"	57	
A	19		2"	57	
C	20		1 1/2"	57	
C	21		1 1/2"	57	
A	22		1"	45	
A	23		1 1/2"	45	
A	24		1"	45	
A	25		3"	57	

GE - GROUND ELECTRODE

Flexible hose, no conduit required.

Refer to electrical legend - Sheet EN and electrical plan - Sheet E1

The use of 90 degree elbows is not acceptable use 45 degree bends at all necessary corners. The use of crossover fittings at all applicable locations is required.

Qualities Required

General Notes

- All conductors must be installed in raceway.
- All conductors must have a pull string.

Project Information

Project Name: Mercy Hospital - Portland, ME Multi-Diagnost 4

Project Number: H-EAS-00738

Revision: E2

Power Quality Requirements
Super CP 88 with PDU 6000

Power Output: 60 KW

Supply configuration: 3 phase, 3 wire power and ground. Delta or wye

Neutral line voltage: 208, 440, 480, or 480 VAC, 60 HZ.

Line voltage variation: +/- 6% steady-state

Line voltage balance: 2% maximum of nominal voltage between phases

Frequency variation: +/- 1% (+/- 0.5 hertz)

Voltage sags: +/- 110% of steady-state voltage 100 msec. maximum duration, 6 per hour maximum

Branch power: 150 KW

Chcvt breaker: 3 pole, 100 amperes

Max. instantaneous power: 125 KVA (800MA @ 100 KV)

Recommended conductor sizes for 1% impedance of branch conductors (based on 75 C copper conductors):

#1 AWG	300 VAC	480 VAC	480 VAC	480 VAC
80 FT.	79 FT.	110 FT.	87 FT.	95 FT.
10 AWG	78 FT.	107 FT.	110 FT.	121 FT.
20 AWG	85 FT.	128 FT.	133 FT.	152 FT.
30 AWG	120 FT.	189 FT.	176 FT.	182 FT.
40 AWG	152 FT.	231 FT.	221 FT.	242 FT.
200MCM	175 FT.	228 FT.	281 FT.	287 FT.
300MCM	212 FT.	285 FT.	313 FT.	344 FT.
400MCM	257 FT.	337 FT.	418 FT.	424 FT.
500MCM	338 FT.	478 FT.	522 FT.	574 FT.

Max. phase-to-phase impedance: 0.2 Ohms, 0.14 Ohms, 0.16 Ohms, 0.17 Ohms

Max. total voltage drop: 48.0 V, 29.6 V, 33.5 V, 31.9 V

Power regulation at max. load: 12.6 %, 6.5 %, 6.8 %, 6.8 %

Minimum copper wire size, chcvt breaker to PDU: #2

Electrical Requirements for Systems with PDU

Electrical power distribution at the facility shall comply with:

Utilization voltages per ANSI C84.1 - 1992 range A.

Voltage to be supplied is 3 phase, delta or wye.

Phase conductors to be sized for instantaneous voltage drop per NEC 517-73 and Philips recommendations.

Ground conductor to be sized per NEC.

Metal conduit shall not be used as the equipment ground conductor.

ANSI / NFPA 70 - National Electrical Code Article 250 - grounding Article 517 - health care facilities

ANSI / NFPA 99 - health care facilities

NEMA standard XFB - power supply guideline for x-ray machines

Power Quality Guidelines

- Power supplied to medical imaging equipment must be separate from power feeds to air conditioning, elevators, outdoor lighting, and other frequently switched or motorized loads. Such loads can cause transformer distortion and voltage fluctuations that can hinder high quality imaging.
- Equipment that utilizes the facility power system to transmit control signals (especially dock systems) may interfere with medical imaging equipment, thus requiring special wiring.
- The following devices provide a high impedance, nonlinear voltage source, which may affect image quality:
 - Static UPS systems
 - Series Reactor Voltage regulators
- Line impedance is the combined resistance and inductance of the electrical system and includes the impedance of the power source, the facility distribution system, and all phase conductors between the source and the imaging equipment. Philips publishes recommended conductor sizes based on equipment power requirements, acceptable voltage drops, and assumptions about the facility source impedance. The minimum conductor size is based on the total line impedance and NEC requirements. Unless impedance calculations are performed by an electrical engineer, the recommended values must be used.

PDU 6000 Electrical Interface

Project Information

Project Name: Mercy Hospital - Portland, ME Multi-Diagnost 4

Project Number: H-EAS-00738

Revision: ED1

Detail for Connection of X-Ray On Light & Door Switch

Cable Trough Divisions

- High voltage (HT) cables to be run separately from all other cables.
- Power cables and ground cables can be run together.
- Signal cables and data cables can be run together but must be separated from power cables.
- Video cables to be run separately from all other cables.
- It is important that all cables are placed in the appropriate trough and at an equal point in any cables from one cabinet cable with cables from another. Trough separation must be continuous from the beginning to the end of the run.
- Trough or duct: steel with steel shelves grounded to building ground.
- Conductor to provide cable materials in all troughs.
- No cables, signal cables to and from the "E" rack and transformer, must pass through the 1.5m exclusion zone around "E" & "F".

Wall Box Mounting Detail

Ground Bus Bar Application

- Finished and installed by customer/contractor.
- Purchase from local Ground Systems distributor, calling number 814.
- For name of local distributor, call (878) 492-8982.

Project Information

Project Name: Mercy Hospital - Portland, ME Multi-Diagnost 4

Project Number: H-EAS-00738

Revision: ED2

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<p>SM RT ARCHITECTURE ENGINEERING PLANNING</p> <p>144 Fore Street, P.O. Box 418 Portland, Maine 04104 Tel: (207) 772-3646 Fax: (207) 772-1090</p>	
<p>MERCY HOSPITAL</p> <p>SPECIAL PROCEDURES ADDITION</p> <p>PORTLAND, MAINE</p>	
<p>PROJECT:</p> <p>MULTI-DIAGNOST 4</p> <p>SHEETS E2, ED1, ED2</p>	
<p>SHEET TITLE:</p> <p>SCALE: NTS</p> <p>PROJECT MANAGER: CDP</p> <p>JOB CAP/DRAWN: CDP</p> <p>A/E OF RECORD: ELB</p> <p>SMRT CAD FILE: QA011-20109</p> <p>PROJECT No. 20109</p>	<p>DATE: 1-19-01</p> <p>GRAPHIC SCALE: 1" = 1'</p> <p>SHEET No. QA011</p>