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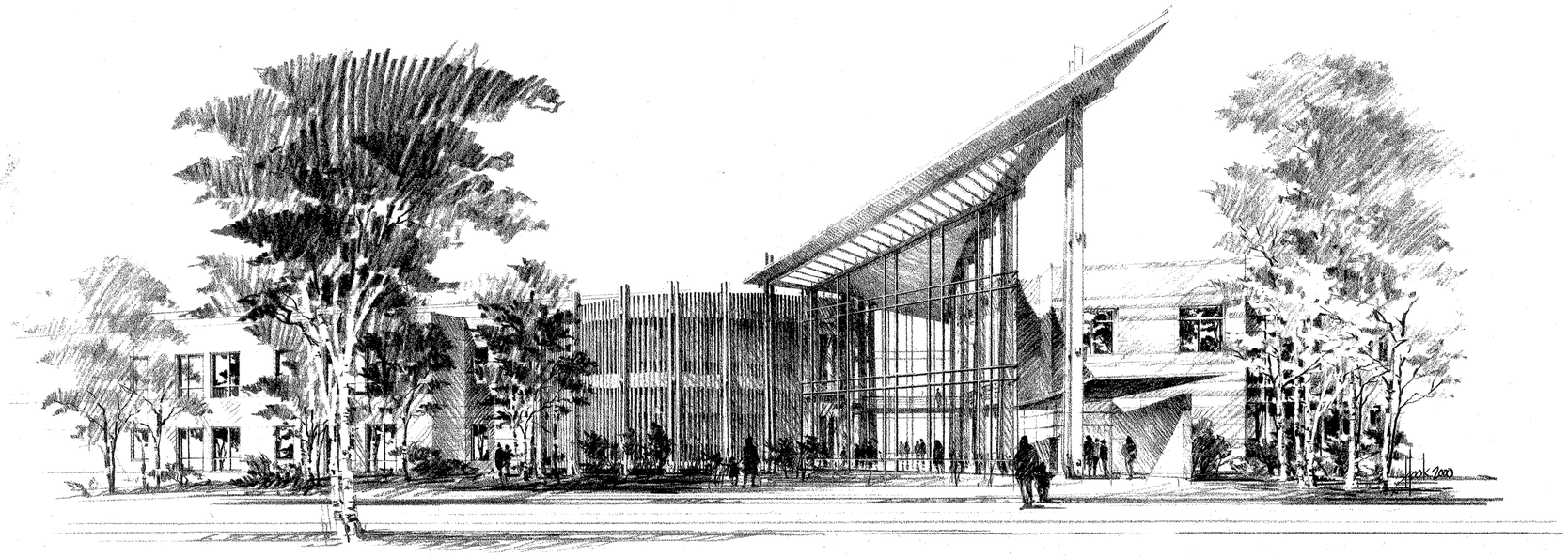

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PCC II

SHELL AND CORE PACKAGE VOLUME II

STATE OF ALASKA 49TH Richard G. Buckles No. A 10008 REGISTERED PROFESSIONAL ENGINEER

Number	Date	By	Description of Revisions

Sheet Title
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Scale	
Designed	Drawn BH
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Approved By	Job Number 24865100

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SHELL AND CORE PACKAGE VOLUME II

STATE OF ALASKA 49TH
Richard G. Buckley
No. A 10008
REGISTERED ARCHITECT

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ABBREVIATIONS

A

A	COMPRESSED AIR OUTLET
AB	ANCHOR BOLT
AC	ACOUSTIC/ALTERNATING CURRENT
AD	AREA DRAIN
ACT	ACOUSTIC CEILING TILE
ADD	ADDENDUM
ADDN	ADDITION
ADJ	ADJUSTABLE/ADJACENT
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
ALT	ALTERNATE/ALTERATION
AMP	AMPERES
ANCH	ANCHOR
ANOD	ANODIZED (ANODIC COATING)
AP	ACCESS PANEL
APROX	APPROXIMATE(LY)
ARCH	ARCHITECTURAL
ASST	ASSISTANT
AST	ASTRAGAL
ASSY	ASSEMBLY
ATM	ATMOSPHERE(IC)
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIO VISUAL
AVE	AVENUE
AVG	AVERAGE
AWC	ACOUSTIC WALL PANEL

B

B	BAND
BD	BOARD
BITUM	BITUMINOUS
BKSPLSH	BACKSPLASH
BL	BUILDING LINE, BLANKET
BLDG	BUILDING
BLKG	BLOCK(ING)
BLVD	BOULEVARD
BM	BENCH MARK
BM	BEAM
BOT	BOTTOM
BD	BOARD
BP	BED PAN RACK
BPC	BLOOD PRESSURE CUFF
BRKT	BRACKET
BSMT	BASEMENT
BTU	BRITISH THERMAL UNIT
BUR	BUILT-UP ROOFING
BW	BOTTOM OF WALL

C

C	CLOSER (SEE DOOR SCHED.) / COMPUTER OUTLET
CAB	CABINET
CAP	CAPACITY
CAT	CATEGORY
CB	CATCH BASIN/CHALKBOARD
CCT	CUBICLE CURTAIN TRACK/ CUBICLE TRACK
CCTV	CLOSED CIRCUIT TV
CD	CEILING DIFFUSER/CUP DISPENSER
CEIL	CEILING
CER	CERAMIC
CFM	CUBIC FEET/MINUTE
CFS	CUBIC FEET/SECOND
CG	CORNER GUARD/CENTER OF GRAVITY
CH	COAT HOOK
CHEM	CHEMICAL/CHEMISTRY
CIP	CAST-IN-PLACE (CONCRETE)
CJ	CONSTRUCTION JOINT
CLG	CEILING
CLJ	CONTROL JOINT
CLKG	CALKING
CLR	CLEAR
CLS	CLOSET
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNITS
CO	CLEAN OUT
COL	COLUMN
COMM	COMMUNICATION
COMP	COMPRESS(ED)(ION)/ COMPACT(OR)(ED)(ION)/ COMPOSITE(ION)
CMPT	COMPUTER
CONC	CONCRETE
COND	CONDUIT, CONDITION
CONF	CONFERENCE
CONN	CONNECT(ION)
CONST	CONSTRUCTION
CONT	CONTINUE/CONTINUOUS
CONTR	CONTRACTOR
CONV	CONVENTIONAL
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET
CT	CERAMIC TILE
CTR	CENTER
CTRSK	COUNTERSUNK
CU	CUBIC
CW	COLD WATER
CSWK	CASEWORK

D

D	DEEP
DB	DECIBLE
DC	DIRECT CURRENT
DBL	DOUBLE
DEG	DEGREE(S)
DEM	DEMOLISH/DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNDATION
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION(S)
DIR	DIRECTOR(S)
DISC	DISCONNECT
DISP	DISPENSER
DIV	DIVISION/DIVIDER
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DR	DOOR/DRAIN
DS	DOWNSPOUT
DWG	DRAWING(S)
DWR	DRAWER

E

E	EAST / ELECTRICAL OUTLET
EA	EACH
EFS	EXT. INSUL. FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION (GRADE)
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR/ELEVATION
ELIM	ELIMINATE
EMER	EMERGENCY
EMP	EMERGENCY POWER
ENAM	ENAMEL(ED)
ENCL	ENCLOSED
ENGR	ENGINEER
EP	EXPLOSION PROOF
EPOX	EPOXY FLOORING
EPOX PNT	EPOXY PAINT
EQ	EQUAL/EARTHQUAKE
EQJ	EARTHQUAKE JOINT
EQUIP	EQUIPMENT
ETC	ET CETERA
EW	EYE WASH
EWC	ELECTRIC WATER COOLER
EXAM	EXAMINATION/EXAMINING
EXC	EXCAVATED/EXCAVATION/ EXCAVATE
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED, EXPANSION
EXT	EXTERIOR

F

F	FAHRENHEIT
F TO F	FACE TO FACE
FA	FIRE ALARM
FAB	FABRICATE/FABRICATOR/ FABRIC
FAC	FACILITY
FAX	FACSIMILIE
FB	FLAT BAR
FBD	FIBERBOARD
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FACTORY FINISH/FAR FACE
FH	FIRE HYDRANT/FUME HOOD/ FLUSH HEAD/FLAT HEAD
FHC	FIRE HOSE CABINET
FHEC	FIRE HOSE AND EXTINGUISHER CABINET
FI	FILM ILLUMINATOR
FIC	FURNISHED AND INSTALLED BY CONTRACTOR
FIG	FURNISHED AND INSTALLED BY GOVERNMENT
FIN	FINISH(ED)
FIV	FURNISHED AND INSTALLED BY VENDOR
FL	FLOOR LINE/FLOOR
FLASH	FLASHING
FLEX	FLEXIBLE
FLR	FLOOR(ING)
FLUOR	FLUORESCENT
F.O.	FACE OF...
FP	FIREPROOF(ING)/FULL PENETRATION
FPM	FEET PER MINUTE
FRMG	FRAMING
FRT	FIRE RETARDANT TREATED
FS	FULL SIZE/FLOOR SINK
FSS	FOLDING SHOWER SEAT
FT	FOOT/FEET
FTG	FOOTING
FURR	FURRING
FUT	FUTURE: WORK TO BE PERFORMED LATER
FWC	FABRIC WALL COVERING

G

G	GAS OUTLET
GA	GAUGE/GAGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GEN	GENERAL/GENERATOR
GFRC	GLASS FIBER REINFORCED CONCRETE
GL	GLASS/GLAZING/GLAZED
GLAM	GLUE LAMINATED
GLP	GYPSUM LATH AND PLASTER
GOVT	GOVERNMENT
GRP	GLASS FIBER REINFORCED PLASTER
GS	GALVANIZED STEEL
GT	GLAZED TILE
GWB	GYPSUM WALLBOARD
GYP	GYPSUM

H

HARDWARE HEADING CODES (SEE OPENING SCHEDULING)

HB	HOSE BIB
HC	HOSE CABINET/HANDICAP
HCW	HOLLOW CORE WOOD/HOT AND COLD WATER
HD	HAND DRYER
HDWD	HARDWOOD
HDR	HEADER
HGT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HOSP	HOSPITAL
HP	HORSEPOWER/HIGH PRESSURE/HIGH POINT
HRL	HANDRAIL
HS	HOOK STRIP/HIGH STRENGTH
HSKG	HOUSEKEEPING
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HUR	HANDICAPPED URINAL
H&V	HEATING AND VENTILATING
HVAC	HEATING/VENTILATION/AIR CONDITIONING
HV	HOSE VALVE CABINET
HW	HOT WATER/HARDWARE
HWD	HARDWOOD
HWY	HIGHWAY
HYD	HYDRANT

I

ICU	INTENSIVE CARE UNIT
ID	INSIDE DIAMETER/INSIDE DIMENSION
IE	THAT IS
IE	INVERT ELEVATION
IG	INSULATING GLASS
IN	INCH
INCAND	INCANDESCENT
INCL	INCLUDE(ING)
INFO	INFORMATION
INL	INLET
INSTL	INSTALLATION/INSTALL
INSUL	INSULATE(D)(ING)(ION)
INT	INTERIOR
INTER	INTERSECTION, INTERMEDIATE
INV	INVERT
IPP	ISOLATION POWER PANEL
ISOL	ISOLATION
IVT	IV TRACK

J

JAN	JANITOR
J-BOX	JUNCTION BOX
JST	JOIST
JNT	JOINT

K

KP	KICK PLATE
KS	KNEE SPACE
KW	KILOWATT(S)

L

LAB	LABORATORY
LAV	LAVATORY
LB(S)	LAG BOLT(S)/POUND(S)
LBL	LABEL
LBR	LUMBER
LF	LINEAL FOOT/LINEAR FOOT
LG	LAMINATED GLASS
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LKR	LOCKER
LP	LOW POINT
LT	LIGHT
LTG	LIGHTING
LTWT	LIGHTWEIGHT
LV	LABORATORY VACUUM
LVR	LOUVER

M

MA	MEDICAL AIR
MACH	MACHINE
MAINT	MAINTENANCE
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MBH	1000 BRITISH THERMAL UNITS/HOUR
MBR	MEMBER
MC	MEDICINE CABINET/ MISCELLANEOUS
MCW	MINERAL CORE WOOD
MECH	MECHANICAL
MED	MEDICAL/MEDIUM
MEMB	MEMBRANE
MET	METAL
MEZZ	MEZZANINE
MFG	MANUFACTURING
MFR	MANUFACTURER
MGR	MANAGER
MH	MANHOLE
MIC	MICROPHONE
MIN	MINIMUM/MINUTE
MIR	MIRROR
MISC	MISCELLANEOUS
MK	MASTER KEY OR MASTER KEYED
ML	METAL LATH
MLDG	MOULDING
MLP	METAL LATH AND PLASTER
MO	MASONRY OPENING
MOD	MODULAR/MODIFIED/ MODIFICATION
MON	MONITOR
MRI	MAGNETIC RESONANCE IMAGING
M&S	MIRROR AND SHELF
MNTD	MOUNTED
MT	MOUNT
MTG	MOUNTING
MTG	MOUNTING HEIGT
MTL	METAL
MTR	MOTOR
MUL	MULLION

N

N	NORTH
N_2	NITROGEN
NA	NOT APPLICABLE
NEG	NEGATIVE
NFPA	NATIONAL FIRE PROTECTION AGENCY
NIC	NOT IN CONTRACT
NK	NO KEY
NO	NUMBER
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NS	NON SLIP/NURSE STATION
NTS	NOT TO SCALE
NC	NURSE CALL

O

O	OUTLET/OXYGEN
O_2	OXYGEN
OA	OVERALL/ DENTAL(ORAL) AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE/OVERFLOW
OFD	OVERFLOW DRAIN
OFF	OFFICE
OPER	OPERATING
OPH	OPPOSITE HAND
OPN(G)	OPEN(ING)
OPP	OPPOSITE
OR	OPERATING ROOM
ORTHO	ORTHOPEDIC
OT	OCCUPATIONAL THERAPY
OZ	OUNCE

P

P	PAINT
P/THRU	PASS THROUGH
PA	PUBLIC ADDRESS
PASS	PASSENGER
PAT	PATIENT
PTN	PARTITION(S)
PB	PANIC BOLT/PUSH BUTTON
PBB	PLASTER BASEBOARD
PBD	PARTICLEBOARD
PC	PULL CHAIN/PRECAST CONC
PCD	PAPER CUP DISPENSER
PCP	PRECAST CONCRETE PANEL
PERF	PERFORATED(D)
PERIM	PERIMETER
PERP	PERPENDICULAR
PFB	PREFABRICATE(D)
PG	PLATE GLASS
PGBD	PEGBOARD
PH	PHASE
PHARM	PHARMACY
PL	PLANTER/PLATE
PLEX	PLEXIGLASS
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT(ED)
POL	POLISH(ED)
PORT	PORTABLE
PP	PUSH PLATE
PR	PAIR, PRINTER, COMPUTER PRINTER
PREFAB	PREFABRICATE(D)
PRELIM	PRELIMINARY
PRESS	PRESSURE
PROJ	PROJECT(ION)
PROP	PROPERTY
PROT	PROTECTIVE
PS	PRESTRESSED
PT	POINT, PRESSURE TREAT
PTRN	PATTERN
P-TUBE	PNEUMATIC TUBE
PTD	PAPER TOWEL DISPENSER
PTD-W	PAPER TOWEL DISPENSER WASTE RECEPTACLE
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWR	POWER
PTS	PNEUMATIC TUBE STATION

Q

QT	QUARRY TILE/QUART
QTR	QUARTER
QUAN	QUANTITY

R

R	RADIUS/RISER
RAD	RADIATOR/RADIATION/ RADIUS
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RCWY	RACEWAY
RD	ROOF DRAIN/ROAD
REC	RECEIVING
RECEP	RECEPTACLE, RECEPTION
RECIRC	RECIRCULATION
RECT	RECTANGULAR
RECVD	RECEIVED
REF	REFERENCE/REFRIGERATOR
REFR	REFRIGERATOR
REG	REGULATOR/REGLET/ REGISTER
REINF	REINFORCE(D)(ING)(MENT)
R&S	ROD AND SHELF
REQD	REQUIRE(D)/REQUIREMENT
RESIL	RESILIENT
RET	RETURN
REV	REVERSE/REVISED/REVISION
RFG	ROOFING
RHR	RIGHT HAND REVERSE
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RPM	REVOLUTIONS PER MINUTE
RRS	RUB RAIL/WALL GUARD
RS	SPECIMEN SHELF
RSD	RECESSED SOAP DISH
RTN	RETURN
RWL	RAINWATER LEADER

S

S	SOUTH/SUPPORT
SAB	SOUND ATTENUATION BLANKETS
SAN	SANITARY
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE(D)
SGR	SHOWER CURTAIN ROD
SCW	SOLID CORE WOOD
SD	SOAP DISPENSER/SOAP DISH
SDB	SOUND DEADENING BOARD
SDPR	SMOKE DAMPER
SE	SELF EDGE
SECT	SECTION
SET	SETTING
SF	SQUARE FEET
SG	SHARPS DISPOSAL
SH	SHELF/SHADE
SHF	SHELF/SHELVING
SHT	SHEET
SHTG	SHEATHING
SHR	SHOWER
SHV	SHEET VINYL
SIM	SIMILAR
SJ	STEEL JOIST
SK	SINK
SKL	SKYLIGHT
SLBB	SHORT LEGS BACK-TO-BACK
SM	SHEET METAL
SND	SANITARY NAPKIN DISPENSER
SNT	SEALANT
SNW	SANITARY NAPKIN WASTE
SP	SHEAR PLATE/SMOKE PARTITION
SPEC	SPECIFICATION/SPECIFIED
SPK	SPEAKER
SPC	SPECIAL
SPR	SPRINKLER
SPT	SPECIMEN PASS THROUGH
SQ	SQUARE
SS	SERVICE SINK
ST	STREET/STEAM
SST	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STM	STEAM
STN	STONE
STOR	STORAGE
STR	STRAIGHT
STRUC	STRUCTURAL/STRUCTURE
SUBFL	SUBFLOOR(ING)
SUP	SUPPLY
SUPP	SUPPORT
SURF	SURFACE
SURG	SURGERY/SURGICAL
SUSP	SUSPEND(ED)
SV	SHEET VINYL
SYM	SYMMETRICAL
SYN	SYNTHETIC
SYS	SYSTEM

T

T	TOP, TREAD, TOILET, TEMPERED GLASS
T&B	TOP AND BOTTOM
TB	TOWEL BAR/TACK BOARD
TC	TOP OF CURB/TOP OF CONCRETE
TD	TOWEL DISPENSER
TDW	TOWEL DISPENSER AND WASTE
TEL	TELEPHONE
TEMP	TEMPERATURE/TEMPERED/ TEMPORARY
TERR	TERRAZZO
TG	TEMPERED GLASS
THERMO	THERMOSTAT(IC)
THK	THICK(NESS)
THRES	THRESHOLD
THRU	THROUGH
TO	TOP OF
TOC	TOP OF CONCRETE
TOIL	TOILET
TOL	TOLERANCE/TOP OF LANDING
TOP	TOPPING
TOS	TOP OF STEEL
TPD	TOILET PAPER DISPENSER
TPD&S	TOILET PAPER DISPENSER AND SHELF
TPH	TOILET PAPER HOLDER
TPTN	TOILET PARTITION
TRD	TREAD
TS	TOP OF SLAB
TV	TELEVISION
TW	TEMPERED WATER/TOP OF WALL
TYP	TYPICAL

U

UBC	UNIFORM BUILDING CODE
UC	UNIT COOLER/UNDER COUNTER
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES, INC.
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY
UV	UNIT VENTILATOR
USG	U.S. GYPSUM

V

V	VOLTS
V,VAC	VACUUM OUTLET
VAP	VAPOR
VAR	VARIABLE/VARNISH/ VARIES
VAT	VINYL ASBESTOS TILE
VCT	RESILIENT TILE
VD	VOLUME DAMPER
VENT	VENTILATION/VENTILATE/ VENTILATOR
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VOL	VOLUME
VP	VENEER PLASTER
VWC	VINYL WALL COVERING

W

W	WATTS
W	WIDE/WEST/WASTE/WATER
W/	WITH
W/H	WALL HUNG
W/O	WITHOUT
WAIN	WAINSCOT
WB	WHITE BOARD/WOOD BASE
WC	WATER CLOSET
WCT	WASHABLE CEILING TILE
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE (STEEL)/WOOD FLOORING
WG	WIRE GLASS/WALL GRILL
WH	WATER LINE
WP	WORK POINT
WK	WORK
WPT	WATERPROOF/WEATHERPROOF
WPM	WATERPROOF MEMBRANE
WR	WASTE RECEPTACLE/WATER REPELLENT/WOOD HANDRAIL
WRB	WARDROBE
WS	WOOD SCREWS/WATERSTOP
WSP	WEATHERSTRIP/WET STAND PIPE
WT	WEIGHT/WATERTIGHT
WT-1	WATERPROOFING TYPE 1

X

XRV	X-RAY VIEW BOX

Y

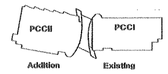
YD	YARD DRAIN

SYMBOLS

~	ANGLE
@	AT
℄	CENTERLINE
⊥	PERPENDICULAR
#	PLATE
ϕ	ROUND OR PHASE (ELECTRICAL)
Ø	DIAMETER
□	SQUARE
ft²	SQUARE FEET
&	AND
Δ	DELTA
±	PLUS OR MINUS
>	GREATER THAN

GRAPHICS

SYMBOLS



KEY PLAN — SHADED AREA DENOTES PORTION OF BUILDING ON THE CURRENT SHEET

GRAPHIC SCALE (DISTANCES SHOWN GRAPHICALLY ABOVE) (DISTANCES SHOWN NUMERICALLY BELOW)

NORTH ARROW

SCHEDULE INDICATORS

W7 — WINDOW SYMBOLS

L3 — LOUVER SYMBOLS

DATUM OR BENCH MARK
FLOOR ELEVATION

1 — GENERAL NOTE IDENTIFICATION

17 — DEMOLITION NOTE IDENTIFICATION

N 203' 8-1/4" COORDINATE IDENTIFICATION BASED
E 154' 7-1/2" ON PLAN NORTH

5 / M — COLUMN GRID SYMBOLS

BUILDING ELEVATION
1 / A3.1 — NUMBER IDENTIFICATION; SHEET NUMBER WHERE ELEVATION IS DRAWN

BUILDING SECTION
2 / A3.2 — NUMBER IDENTIFICATION; SHEET NUMBER WHERE SECTION IS DRAWN

WALL SECTION
3 / A3.3 — NUMBER IDENTIFICATION; SHEET NUMBER WHERE SECTION IS DRAWN

DETAILS
4 / A8.1 — NUMBER IDENTIFICATION; SHEET NUMBER WHERE DETAIL IS DRAWN

ENLARGED PLAN
5 / A4.1 — NUMBER IDENTIFICATION; SHEET NUMBER WHERE ENLARGED PLAN IS DRAWN

MATCH LINE — DEMARKS LINE BETWEEN AREAS ON SAME FLOOR PRINTED ON SEPARATE SHEET

A — CLOUD AREA REVISION — REVISION INDICATOR

SYMBOLS FOR FLOOR PLANS

FD — FLOOR DRAIN

WALL HUNG WATER CLOSET

WATER CLOSET

EXISTING WALL HUNG URINAL

ELECTRIC WATER COOLER

COUNTER MOUNTED LAVATORY

COUNTER MOUNTED SINK

2 BOWL COUNTER MOUNTED SINK

FLOOR MOUNTED SERVICE SINK

CLINIC SERVICE SINK W/ FLUSHING RIM

WALL MOUNTED WHEELCHAIR ACCESSIBLE LAVATORY

WALL HUNG LAVATORY

WALL HUNG LAVATORY

DRAWING CONVENTIONS

EXISTING WALLS TO REMAIN

EXISTING WALLS TO BE DEMOLISHED

ITEM ABOVE PLAN CUT LINE

NEW WALLS — A1.1.0–A1.1.4 FOR PARTITION TYPES

EXISTING WALL WITH NEW WALL INFILL
NEW WALL TO MATCH EXISTING WALL CONSTRUCTION

WINDOWS/ LOUVERS

RELITES IN INTERIOR WALLS

XX.XX — CASED OPENING

OPENING NUMBER
TYPICAL SWINGING DOOR

EXISTING DOOR TO REMAIN (NO OPENING NUMBER)

XX.XX — FOLDING PARTITION OR NON-RATED ACCORDIAN DOOR

XX.XX — HORIZONTAL SLIDING ACCORDIAN FIRE DOOR

XX.XX — COUNTERTOP COILING DOOR

XX.XX — SIGNAGE

S.XX — SITE SIGN NUMBER

MATERIAL LEGEND

EARTH/PAVEMENT

SECTION VIEW	ELEVATION VIEW
EARTH (UNDISTURBED)	
EARTH (FILL)	
SAND FILL	
CAPILLARY FILL	
ASPHALTIC CONCRETE	

CONCRETE/MASONRY

SECTION VIEW	ELEVATION VIEW
CONCRETE	
CONCRETE MASONRY UNITS	
BRICK	
CERAMIC TILE QUARRY TILE	
STONE	
CLAY TILE	
MARBLE	
GROUT MORTAR	

WALL FINISHES

SECTION VIEW	ELEVATION VIEW
METAL LATH & PLASTER OR STUCCO	
GYPSUM WALL BOARD	
VENEER PLASTER ON BASE BOARD	
CERAMIC TILE THIN SET	
CERAMIC TILE GROUT SET	

FLOOR FINISHES

SECTION VIEW	PLAN VIEW
CERAMIC TILE OR QUARRY TILE	
THIN SET ON CONCRETE FLOOR	
CERAMIC TILE OR QUARRY TILE	
GROUT SET WITH MEMBRANE	
RESILIENT FLOORING	
CARPET	

WOOD/PLASTIC

SECTION VIEW	ELEVATION VIEW
WOOD FRAMING	
SHIM OR BLOCKING	
FINISHED WOOD	
PLYWOOD	
PLAM ON PARTICLE BOARD	
PLAM ON PLYWOOD	
GLUE LAMINATED SECTION	

INSULATION

SECTION VIEW	ELEVATION VIEW
RIGID INSULATION	
BATT OR BLANKET INSULATION	
SPRAY ON FIREPROOFING	

METAL

SECTION VIEW	ELEVATION VIEW
STEEL (LARGE SCALE)	
OTHER METAL (LARGE SCALE)	
METAL (SMALL SCALE)	
HOLLOW METAL FRAME METAL STUD	
METAL FLASHING SHEET METAL	

MISCELLANEOUS

SECTION VIEW	ELEVATION VIEW
ACOUSTIC TILE	
ROD & SEALANT BACKER & SEALANT	
GLASS	

LIFE SAFETY PLAN SYMBOLS

WALL MTD. FIRE EXTINGUISHER
FE

RECESSED FIRE EXTINGUISHER CABINET LOCATION
FEC — SEE INT. ELEV FOR HEIGHTS

EXIT — EGRESS PATH EXIT LOCATION
EXIT LIGHT FIXTURES LOCATED ON RCPS – SEE ELEC'L DWG'S FOR TYPE

PROJECT GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, MEMBER SIZES AND CONDITIONS PRIOR TO COMMENCING ANY WORK. DIMENSIONS OF PCC II CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED.
   A. VERIFY DIMENSIONS OF EXISTING CONSTRUCTION PRIOR TO ORDERING MATERIALS AND STARTING WORK.
   B. REPORT ANY DISCREPANCY BETWEEN DIMENSIONS FOUND IN THE FIELD AND DIMENSIONS SHOWN ON THE DRAWINGS TO THE ARCHITECT.
2. PLAN DIMENSIONS RELATE TO FACE OF GWB, CENTERLINE OF PARTITION, OR PROJECT GRID LINES, UNO CRITICAL CLEARANCES ARE DESIGNATED "CLR".
3. FOR PARTITION TYPES, NOTES, AND DETAILS SEE SHEETS A1-1 & A1-2
4. FOR INFORMATION ON OPENINGS (WINDOWS, DOORS, RELITES & LOUVERS) SEE SHEETS A9-1.0 & A9-11.0.
5. WHERE DIMENSIONED ON FLOOR PLAN, DOORS ARE DIMENSIONED TO EDGE OF OPENING SIZE AND RELITES TO OUTSIDE EDGE OF FRAME UNLESS DIMENSIONED TO THE CENTER LINE OF THE OPENING.
6. IMMEDIATELY BRING ERRORS AND OMISSIONS FOUND IN THESE DRAWINGS TO THE ATTENTION OF ARCHITECT
7. DO NOT SCALE DRAWINGS. FOLLOW DIMENSIONS SHOWN ON DRAWINGS AND ACTUAL FIELD MEASUREMENTS. NOTIFY ARCHITECT OF DISCREPANCIES.
8. VERIFY AND PROVIDE REQUIRED BLOCKING AND BACKING FOR WALL OR CEILING MOUNTED ITEMS. ACTUAL FIELD MEASUREMENTS. NOTIFY ARCHITECT OF DISCREPANCIES.
9. DRAWINGS AND SPECIFICATIONS: EXAMINE AND BRING DISCREPANCIES BETWEEN ARCHITECT AND CONSULTANT WORK TO ATTENTION OF ARCHITECT BY WRITTEN NOTICE FOR CLARIFICATION. WORK INSTALLED IN CONFLICT WITH CONSTRUCTION DOCUMENTS WILL BE CONSIDERED IN NON-CONFORMANCE AND CORRECTED AT CONTRACTOR'S TIME AND EXPENSE AND AT NO EXPENSE TO OWNER OR ARCHITECT.
10. COORDINATION: COORDINATE WORK TO COMPLY WITH DRAWINGS AND SPECIFICATIONS AND TO ACCURATELY LOCATE OPENINGS FOR MECHANICAL, ELECTRICAL, AND EQUIPMENT TO NOT INTERFERE WITH STRUCTURAL FRAMING.
11. FINISHES: IN FINISHED INTERIOR AREAS – NO EXPOSED PIPE, CONDUITS, DUCTS, VENTS, ETC., CONCEAL UTILITY LINES BEHIND FINISHED CONSTRUCTION UNLESS NOTED AS EXPOSED CONSTRUCTION ON DRAWINGS OR APPROVED BY ARCHITECT.
12. OFFSET AND ADJUST FRAMING TO MAKE FINISHED SURFACES FLUSH AND TRUE TO LINE.
13. PROVIDE GALVANIC ISOLATION BETWEEN DISSIMILAR METALS.

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PCC II

SHELL AND CORE PACKAGE VOLUME II

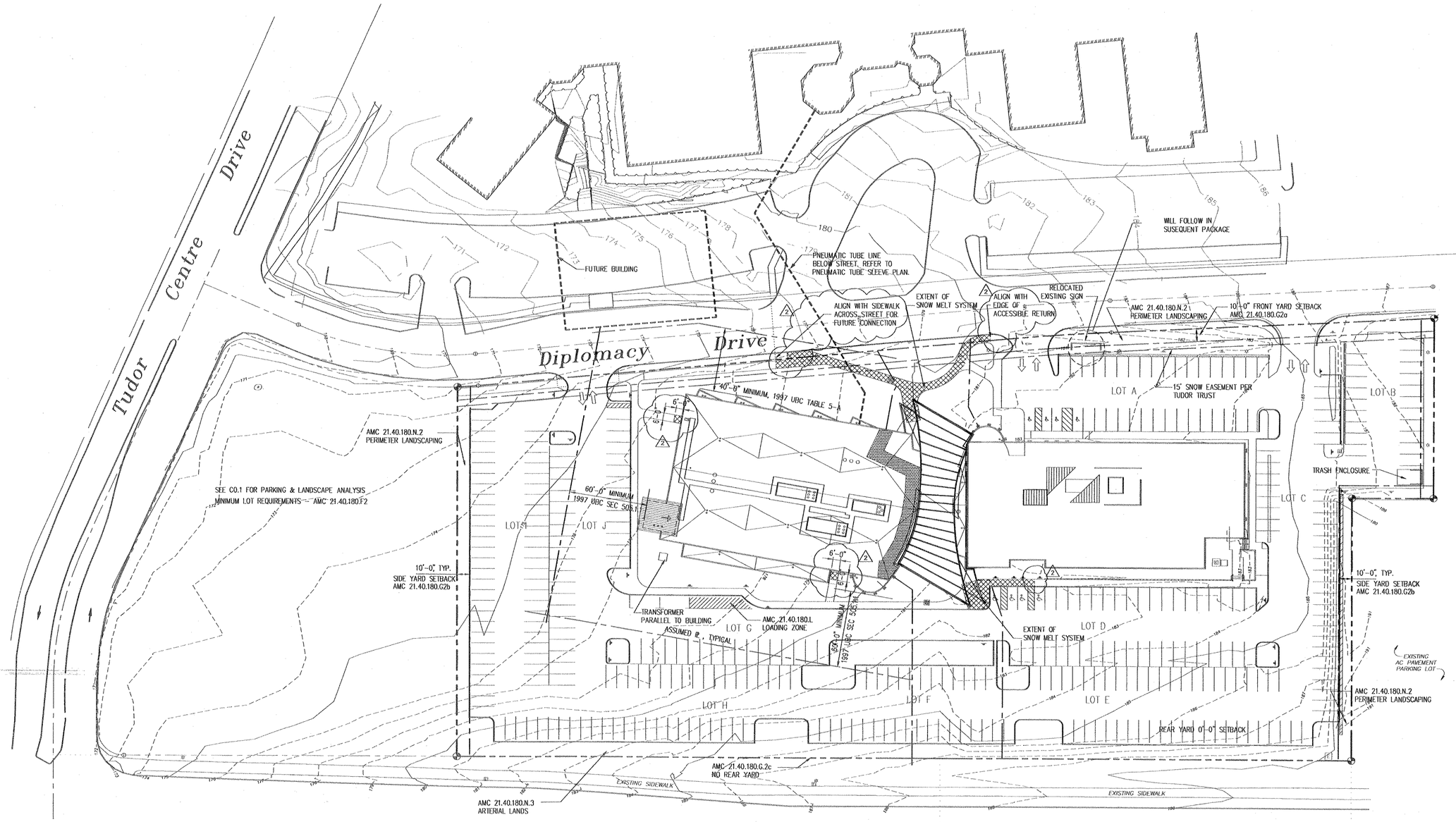
STATE OF ALASKA — 49TH — Richard G. Buckley — No. A 10008 — REGISTERED PROFESSIONAL

Number	Date	By	Description of Revisions

Sheet Title
ABBREVIATIONS, GRAPHIC SYMBOLS AND PROJECT GENERAL NOTES

Scale	
Designed	Drawn
Date 10/09/00	Checked
Approved By	Job Number 2486300

Sheet Number
S&C A0-0.2



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PCC II

SHELL AND CORE PACKAGE VOLUME II

PCCII Addition | PCCI Existing

Key Plan

NTS

Number	Date	By	Description of Revisions
2	12/14/00	RAL	REVISION ASI #22
1	7/21/00	DWD	REVISION ASI #2

Sheet Title

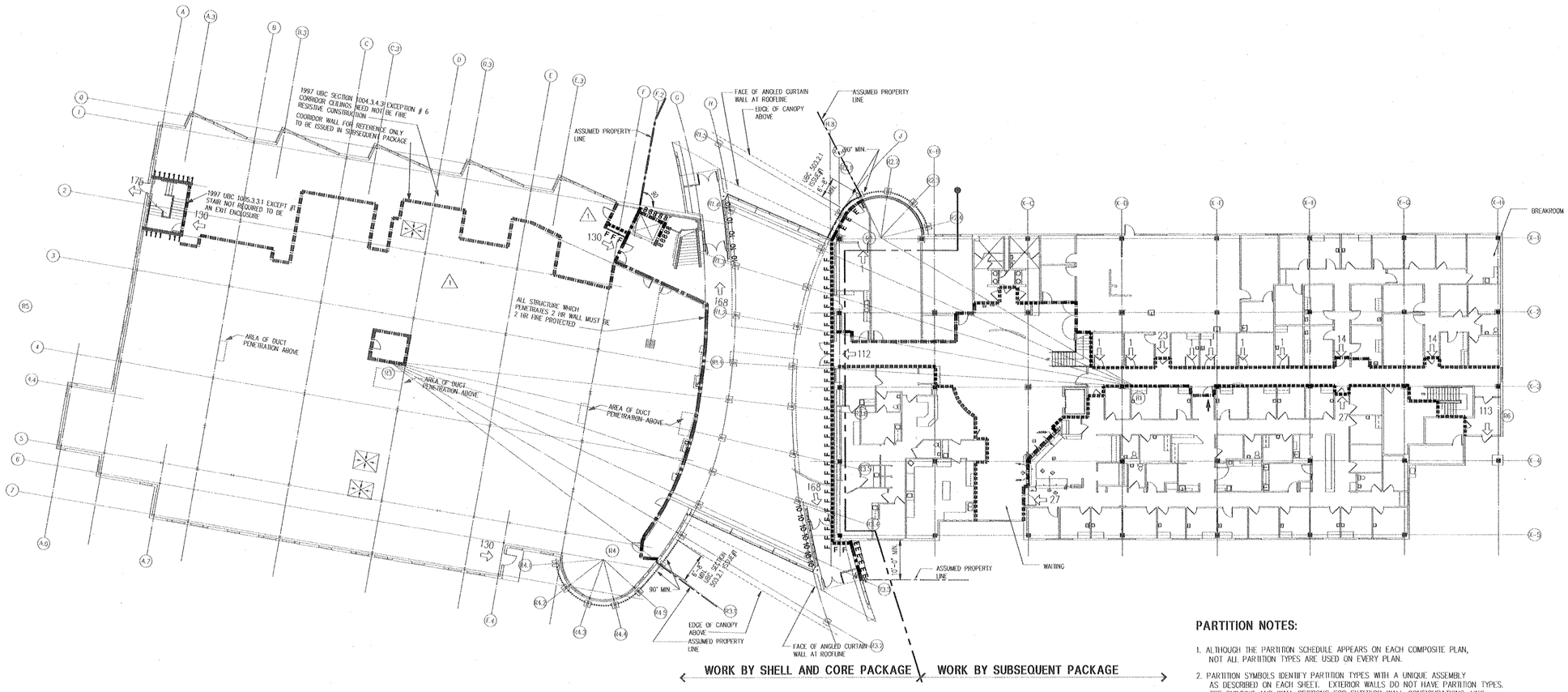
ARCHITECTURAL SITE AND SITE CODE ANALYSIS PLAN

Scale 1/32" = 1'-0"

Designed | Drawn
Date 10/09/00 | Checked
Approved By | Job Number 24863.00

Sheet Number

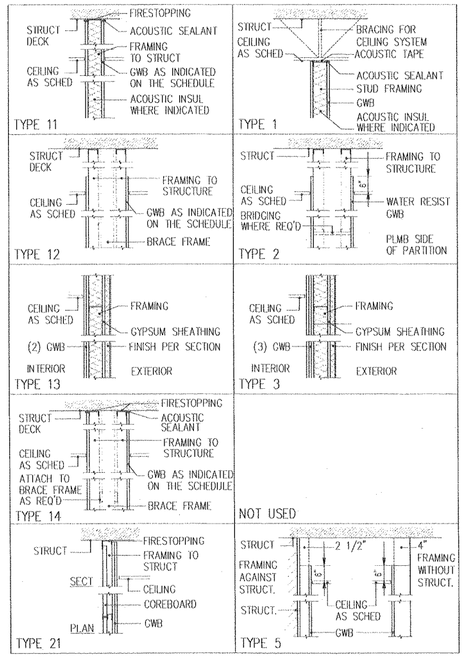
S&C A1-0



PARTITION SCHEDULE

SYMBOL	FIRE RATING	STC RATING	ASSEMBLY	TYPE	DESCRIPTION	THICKNESS	REMARKS
				EXIST PARTITION	EXISTING TO REMAIN	–	
	N.R.	40	NA	TYPICAL PARTITION	4" MTL STUDS @ 16" O.C. 1 LAYER 5/8" GWB EACH SIDE ACOUSTIC GASKET TO CLG	5-1/4"	TYPE 1
10 10 10 10 10	N.R.	–	NA	VESTIBULE PARTITION	10 MTL STUDS @ 16" O.C. 1 LAYER 5/8" GWB EACH SIDE ACOUSTIC GASKET TO CLG	11-1/4"	TYPE 1
C C C C C C	N.R.	40	NA	CHASE WALL	2 1/2" MTL STUD @ 16" O.C. 1 LAYER 5/8" GWB 2 1/2" MTL STUD @ 16" O.C. 1 LAYER 5/8" GWB OUTSIDE FACE	16 1/2" TYP. UNO	TYPE 2
F F F F F	N.R.	NA	NA	FURRING	4" OR 2 1/2" MTL STUDS 16" O.C., 1 LAYER 5/8" TYPE X GWB		TYPE 5 – USE 4" WHEN AWAY FROM STRUCTURE AND 2 1/2" WHEN AGAINST STRUCTURE
	1 HR	NA	EXIST	FIRE PARTITION	EXISTING TO REMAIN	–	EXIST FIRE PARTITION
	NR	NA	NA	BRACE FRAME WALL	TWO ROWS 1-5/8" MTL STUDS 16" O.C., 1 LAYER 5/8" GWB AT EACH OUTSIDE FACE	11 1/2" TYP., UNO	TYPE 12
1 1 1 1 1 1 1	1 HR	50	GA-WP5015 U420	FIRE RATED BRACE FRAME WALL	TWO ROWS 1-5/8" MTL STUDS 16" O.C., 1 LAYER 5/8" TYPE X GWB AT EACH OUTSIDE FACE	11 1/2" TYP., UNO	TYPE 14
	1 HR	40	GA-WP1200 U 415	FIRE PARTITION	4" MTL STUDS @ 16" O.C., UNO 1 LAYER 5/8" TYPE X GWB EA SIDE	5-1/4"	TYPE 11
8 8 8 8 8 8 8	NR	40	NA	PARTITION	8" MTL STUDS @ 16" O.C., UNO 1 LAYER 5/8" TYPE GWB EA SIDE ACOUSTIC GASKET TO CLG	7-1/4"	TYPE 1
E E E E E	1 HR		U424	EXTERIOR 1 HOUR WALL	6" MTL STUDS@ 16" O.C. 2 LAYERS 1/2" TYPE SCX GWB INSIDE, EXTERIOR – 1/2" GYPSUM SHEATHING, EXTERIOR FINISH PER ELEVATION	VARIES	TYPE 13
	N.R.	NA	NA	PARTITION	6" MTL STUDS @ 16" O.C. 1 LAYER 5/8" GWB EACH SIDE ACOUSTIC GASKET TO CLG	7 1/4"	TYPE 1
	2 HR	55	GA-WP1522	BLDG AREA SEPARATION INTERIOR	4" MTL STUDS@ 16" O.C. 2 LAYERS 5/8" TYPE X GWB EA SIDE	6-1/2"	TYPE 11
E E E E E	2 HR	NA	U424	EXTERIOR 2 HOUR WALL	6" MTL STUDS@ 16" O.C. 3 LAYERS 1/2" TYPE SCX GWB INSIDE, EXTERIOR – 1/2" GYPSUM SHEATHING, EXTERIOR FINISH PER ELEVATION	VARIES	TYPE 3
F F F F F F F F	2 HR	NA	GA-WP7095 U438	FURRING/SHAFT WALL PTN AT BLDG AREA SEPARATION	4" MTL 'CH' STUDS 24" O.C. 1" GYPSUM LINER PANEL 2 LAYERS 5/8" TYPE X GWB	5-1/4"	TYPE 21 2.5" MTL 'CH' STUDS 24" O.C. WHERE ATTACHED TO EXIST WALL

PARTITION TYPES



PARTITION NOTES:

1. ALTHOUGH THE PARTITION SCHEDULE APPEARS ON EACH COMPOSITE PLAN, NOT ALL PARTITION TYPES ARE USED ON EVERY PLAN.
2. PARTITION SYMBOLS IDENTIFY PARTITION TYPES WITH A UNIQUE ASSEMBLY AS DESCRIBED ON EACH SHEET. EXTERIOR WALLS DO NOT HAVE PARTITION TYPES. SEE BUILDING AND WALL SECTIONS FOR EXTERIOR WALL CONFIGURATIONS, UNO.
3. PARTITION TYPE IS CONTINUOUS ALONG THE LENGTH OF THE WALL BETWEEN CORNERS AND INTERSECTING PARTITIONS. PARTITION TYPE ABOVE AND BELOW OPENINGS IS THE SAME AS FOR EITHER SIDE OF THE OPENING.
4. PROVIDE ALL PARTITIONS CLOSING WITH UNDERSIDE OF STRUCTURE WITH SLOTTED DEFLECTION TRACK SYSTEM. AT RATED PARTITIONS SUCH CLOSURES SHALL BE A UL RATED ASSEMBLY.
5. ALL WALLBOARD SHALL BE 5/8" GWB TYPICAL U.N.O.
6. ALL PARTITIONS SHALL BE SEISMICALLY BRACED PER CODE REQUIREMENTS.
7. PROVIDE HORIZONTAL STUD BRACING IN FULL HEIGHT PARTITION BETWEEN TOP OF GWB AND UNDERSIDE OF STRUCTURE WHEN THE DISTANCE EXCEEDS THREE FEET.
8. PARTITIONS WHICH HAVE GWB ON ONE SIDE SHALL BE BRACED AT QUARTER POINTS OF HEIGHT TYPICALLY.
9. FIRE RATING ABBREVIATIONS USED IN THE PARTITION SCHEDULE ARE, AS FOLLOWS:
   U# = UNDERWRITERS LABORATORY DESIGN NUMBER
   GA = GYPSUM ASSOCIATION DESIGN NUMBER
10. FIRE RATED PARTITIONS SHALL FORM A SEPARATION THAT IS CONTINUOUS FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.
11. THE INTEGRITY OF EXISTING FIRE AND SMOKE BARRIERS MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS
12. ALL CONCEALED DUCT, PIPE AND CONDUIT PENETRATIONS THROUGH RATED PARTITIONS MUST BE FIRESTOPPED.
13. PROVIDE BRACING MID-HEIGHT IN ALL PARTITIONS WHICH SUPPORT CASEWORK AND TV BRACKETS.
14. PROVIDE CONTINUOUS BACKING FOR ALL WALL MOUNTED ITEMS: CASEWORK, WALL MOUNTED FURNITURE GRAB BARS, HANDRAILS AND EQUIPMENT.
15. FURRING SHALL EXTEND TO THE SAME HEIGHT AS GWB ON THE PARTITIONS WHICH ALIGNS WITH THEM.
16. CONTINUE GWB ABOVE THE HIGHEST CEILING WHERE DIFFERENT CEILING HEIGHTS ADJOIN PARTITION.
17. ALL METAL STUDS SHALL BE 20 GA. FOR INTERIOR PARTITIONS TO 15 FT. HEIGHT U.N.O. 18 GA. SHALL BE USED FOR PARTITIONS 15' AND HIGHER.
18. WALLS SURROUNDING PUBLIC TOILET ROOMS SHALL EXTEND TO THE UNDERSIDE OF THE DECK ABOVE. 1

FIREPROOFING NOTES:

1. SPRAY APPLIED RESISTIVE MATERIAL SHALL FOLLOW UL DESIGN NUMBERS AS STATED:
   a. FP AT COLUMNS – UL Y709 OR UL Y713
   b. FP AT BEAMS – UL N721
   c. REFER TO STRUCTURAL DRAWINGS FOR LOCATIONS OF COLUMNS, STEEL DECKING, AND/OR BEAMS TO RECEIVE SPRAY APPLIED RESISTIVE MATERIAL (FP DESIGNATION)

ACOUSTIC INSULATION:

1. FILL INTERIOR WALL CAVITIES WITH FIBERGLASS SOUND BATTS AND PLACE A 4" WIDE STRIP OF 3 1/2" FIBERGLASS SOUND BATT ON TOP OF SURFACE OF SUSPENDED CEILING ALONG THE CENTERLINE OF EACH INTERIOR WALL OF THE ROOMS INDICATED IN PLAN WITH THE SYMBOL : A 2

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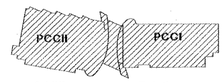
PCC II

SHELL AND CORE PACKAGE VOLUME II



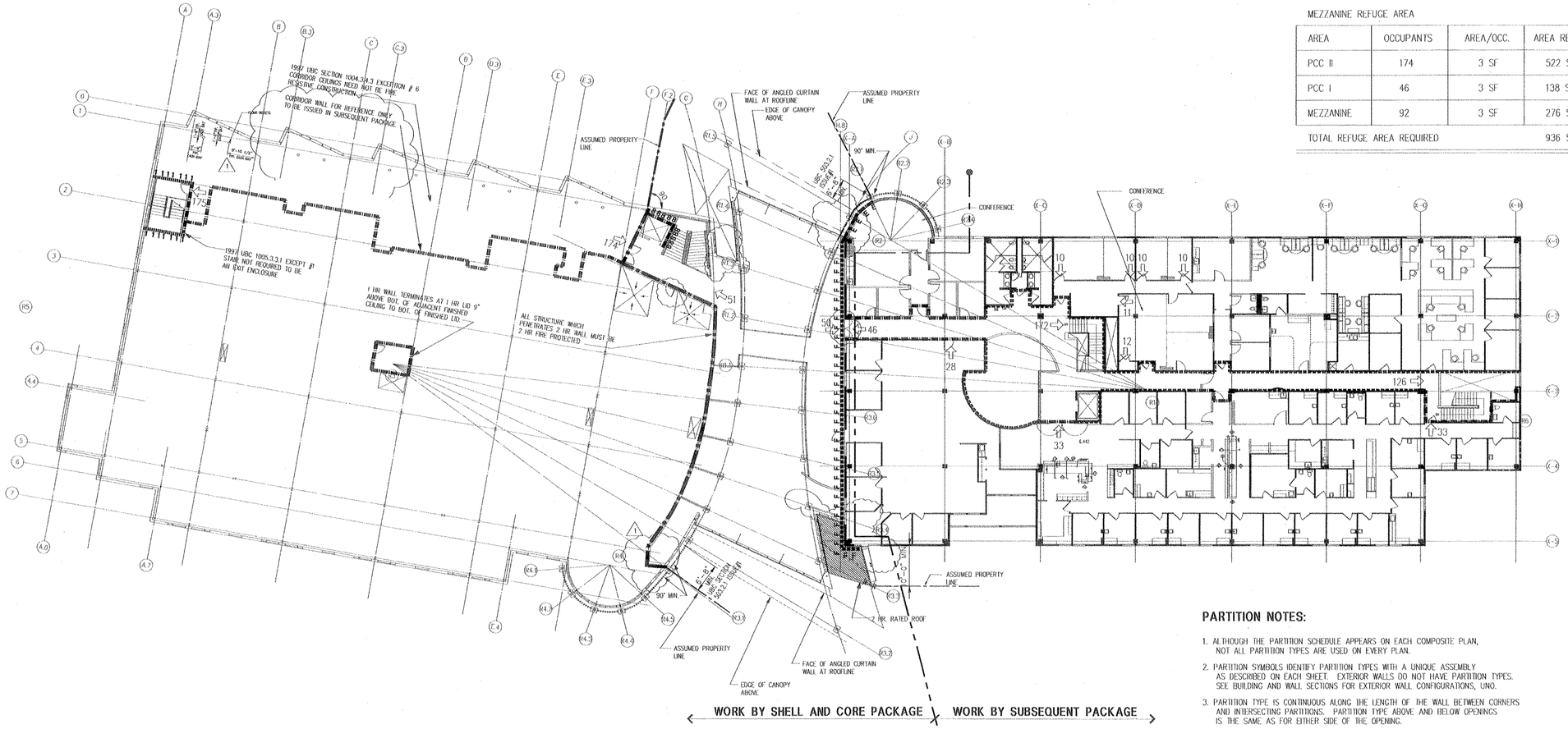
Key Plan
NTS

Number	Date	By	Description of Revisions
2	11/20/00	MLB	ASI #17
1	10/30/00	RAL	REVISION ASI #14

Sheet title
COMPOSITE PLAN LEVEL 1
CODE ANALYSIS

Scale 1/16" = 1'-0"
Designed — Drawn MEB
Date 10/09/00 — Checked
Approved By — Job Number 24863.00

Sheet Number
S&C A1-1



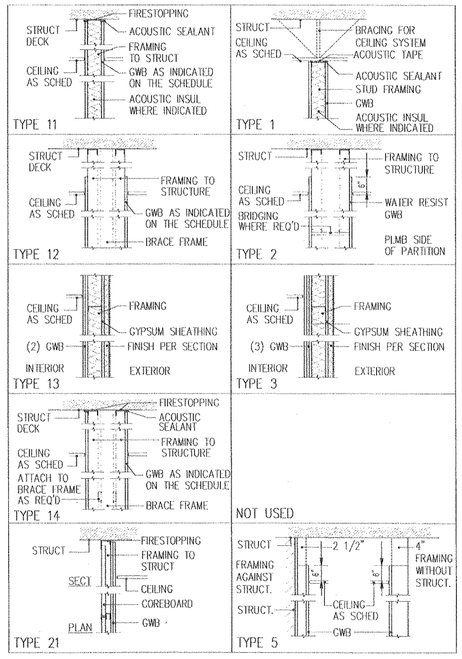
MEZZANINE REFUGE AREA

AREA	OCCUPANTS	AREA/OCC.	AREA REQ'D.
PCC II	174	3 SF	522 SF
PCC I	46	3 SF	138 SF
MEZZANINE	92	3 SF	276 SF
TOTAL REFUGE AREA REQUIRED			936 SF

PARTITION SCHEDULE

SYMBOL	FIRE RATING	STC RATING	ASSEMBLY	TYPE	DESCRIPTION	THICKNESS	REMARKS
				EXIST PARTITION	EXISTING TO REMAIN	--	
	N.R.	40	NA	TYPICAL PARTITION	4" MTL STUDS @ 16" O.C. 1 LAYER 5/8" GWB EACH SIDE ACOUSTIC GASKET TO CLG	5-1/4"	TYPE 1
10 10 10 10 10	N.R.	--	NA	VESTIBULE PARTITION	10 MTL STUDS @ 16" O.C. 1 LAYER 5/8" GWB EACH SIDE ACOUSTIC GASKET TO CLG	11-1/4"	TYPE 1
C C C C C C	N.R.	40	NA	CHASE WALL	2 1/2" MTL STUD @ 16" O.C. 1 LAYER 5/8" GWB 2 1/2" MTL STUD @ 16" O.C. 1 LAYER 5/8" GWB OUTSIDE FACE	16 1/2" TYP. UNO	TYPE 2
F F F F F	N.R.	NA	NA	FURRING	4" OR 2 1/2" MTL STUDS 16" O.C., 1 LAYER 5/8" TYPE X GWB		TYPE 5 - USE 4" WHEN AWAY FROM STRUCTURE AND 2 1/2" WHEN AGAINST STRUCTURE
	1 HR	NA	EXIST	FIRE PARTITION	EXISTING TO REMAIN	--	EXIST FIRE PARTITION
	NR	NA	NA	BRACE FRAME WALL	TWO ROWS 1-5/8" MTL STUDS 16" O.C., 1 LAYER 5/8" GWB AT EACH OUTSIDE FACE	11 1/2" TYP., UNO	TYPE 12
1 1 1 1 1 1 1	1 HR	50	GA-WP5015 U420	FIRE RATED BRACE FRAME WALL	TWO ROWS 1-5/8" MTL STUDS 16" O.C., 1 LAYER 5/8" TYPE X GWB AT EACH OUTSIDE FACE	11 1/2" TYP., UNO	TYPE 14
	1 HR	40	GA-WP1200 U 415	FIRE PARTITION	4" MTL STUDS @ 16" O.C., UNO 1 LAYER 5/8" TYPE X GWB EA SIDE	5-1/4"	TYPE 11
8 8 8 8 8 8 8	NR	40	NA	PARTITION	8" MTL STUDS @ 16" O.C., UNO 1 LAYER 5/8" TYPE GWB EA SIDE ACOUSTIC GASKET TO CLG	7-1/4"	TYPE 1
E E E E E	1 HR		U424	EXTERIOR 1 HOUR WALL	6" MTL STUDS@ 16" O.C. 2 LAYERS 1/2" TYPE SCX GWB INSIDE, EXTERIOR - 1/2" GYPSUM SHEATHING, EXTERIOR FINISH PER ELEVATION	VARIES	TYPE 13
	N.R.	NA	NA	PARTITION	6" MTL STUDS @ 16" O.C. 1 LAYER 5/8" GWB EACH SIDE ACOUSTIC GASKET TO CLG	7 1/4"	TYPE 1
	2 HR	55	GA-WP1522	BLDG AREA SEPARATION INTERIOR	4" MTL STUDS@ 16" O.C. 2 LAYERS 5/8" TYPE X GWB EA SIDE	6-1/2"	TYPE 11
E E E E E	2 HR	NA	U424	EXTERIOR 2 HOUR WALL	6" MTL STUDS@ 16" O.C. 3 LAYERS 1/2" TYPE SCX GWB INSIDE, EXTERIOR - 1/2" GYPSUM SHEATHING, EXTERIOR FINISH PER ELEVATION	VARIES	TYPE 3
F F F F F F F F	2 HR	NA	GA-WP7095 U438	FURRING/SHAFT WALL PTN AT BLDG AREA SEPARATION	4" MTL 'CH' STUDS 24" O.C. 1" GYPSUM LINER PANEL 2 LAYERS 5/8" TYPE X GWB	5-1/4" /1	TYPE 21 2.5" MTL 'CH' STUDS 24" O.C. WHERE ATTACHED TO EXIST WALL

PARTITION TYPES



PARTITION NOTES:

1. ALTHOUGH THE PARTITION SCHEDULE APPEARS ON EACH COMPOSITE PLAN, NOT ALL PARTITION TYPES ARE USED ON EVERY PLAN.
2. PARTITION SYMBOLS IDENTIFY PARTITION TYPES WITH A UNIQUE ASSEMBLY AS DESCRIBED ON EACH SHEET. EXTERIOR WALLS DO NOT HAVE PARTITION TYPES. SEE BUILDING AND WALL SECTIONS FOR EXTERIOR WALL CONFIGURATIONS, UNO.
3. PARTITION TYPE IS CONTINUOUS ALONG THE LENGTH OF THE WALL BETWEEN CORNERS AND INTERSECTING PARTITIONS. PARTITION TYPE ABOVE AND BELOW OPENINGS IS THE SAME AS FOR EITHER SIDE OF THE OPENING.
4. PROVIDE ALL PARTITIONS CLOSING WITH UNDERSIDE OF STRUCTURE WITH SLOTTED DEFLECTION TRACK SYSTEM. AT RATED PARTITIONS SUCH CLOSURES SHALL BE A UL RATED ASSEMBLY.
5. ALL WALLBOARD SHALL BE 5/8" GWB TYPICAL U.N.O.
6. ALL PARTITIONS SHALL BE SEISMICALLY BRACED PER CODE REQUIREMENTS.
7. PROVIDE HORIZONTAL STUD BRACING IN FULL HEIGHT PARTITION BETWEEN TOP OF GWB AND UNDERSIDE OF STRUCTURE WHEN THE DISTANCE EXCEEDS THREE FEET.
8. PARTITIONS WHICH HAVE GWB ON ONE SIDE SHALL BE BRACED AT QUARTER POINTS OF HEIGHT TYPICALLY.
9. FIRE RATING ABBREVIATIONS USED IN THE PARTITION SCHEDULE ARE AS FOLLOWS:
   UL = UNDERWRITERS LABORATORY DESIGN NUMBER
   GA = GYPSUM ASSOCIATION DESIGN NUMBER
10. FIRE RATED PARTITIONS SHALL FORM A SEPARATION THAT IS CONTINUOUS FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.
11. THE INTEGRITY OF EXISTING FIRE AND SMOKE BARRIERS MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS
12. ALL CONCEALED DUCT, PIPE AND CONDUIT PENETRATIONS THROUGH RATED PARTITIONS MUST BE FIRESTOPPED.
13. PROVIDE BRACING MID-HEIGHT IN ALL PARTITIONS WHICH SUPPORT CASEWORK AND TV BRACKETS.
14. PROVIDE CONTINUOUS BACKING FOR ALL WALL MOUNTED ITEMS: CASEWORK, WALL MOUNTED FURNITURE GRAB BARS, HANDRAILS AND EQUIPMENT.
15. FURRING SHALL EXTEND TO THE SAME HEIGHT AS GWB ON THE PARTITIONS WHICH ALIGNS WITH THEM.
16. CONTINUE GWB ABOVE THE HIGHEST CEILING WHERE DIFFERENT CEILING HEIGHTS ADJOIN PARTITION.
17. ALL METAL STUDS SHALL BE 20 GA. FOR INTERIOR PARTITIONS TO 15 FT. HEIGHT U.N.O. 18 GA. SHALL BE USED FOR PARTITIONS 15' AND HIGHER.
18. WALLS SURROUNDING PUBLIC TOILET ROOMS SHALL EXTEND TO THE UNDERSIDE OF THE DECK ABOVE. /1

FIREPROOFING NOTES:

1. SPRAY APPLIED RESISTIVE MATERIAL SHALL FOLLOW UL DESIGN NUMBERS AS STATED:
   a. FP AT COLUMNS - UL Y709 OR UL Y713
   b. FP AT BEAMS - UL N721
   c. REFER TO STRUCTURAL DRAWINGS FOR LOCATIONS OF COLUMNS, STEEL DECKING, AND/OR BEAMS TO RECEIVE SPRAY APPLIED RESISTIVE MATERIAL (FP DESIGNATION)

ACOUSTIC INSULATION:

1. FILL INTERIOR WALL CAVITIES WITH FIBERGLASS SOUND BATTS AND PLACE A 4" WIDE STRIP OF 3 1/2" FIBERGLASS SOUND BATT ON TOP OF SURFACE OF SUSPENDED CEILING ALONG THE CENTERLINE OF EACH INTERIOR WALL OF THE ROOMS INDICATED IN PLAN WITH THE SYMBOL : /A /2

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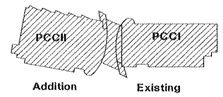
PCC II

SHELL AND CORE PACKAGE VOLUME II



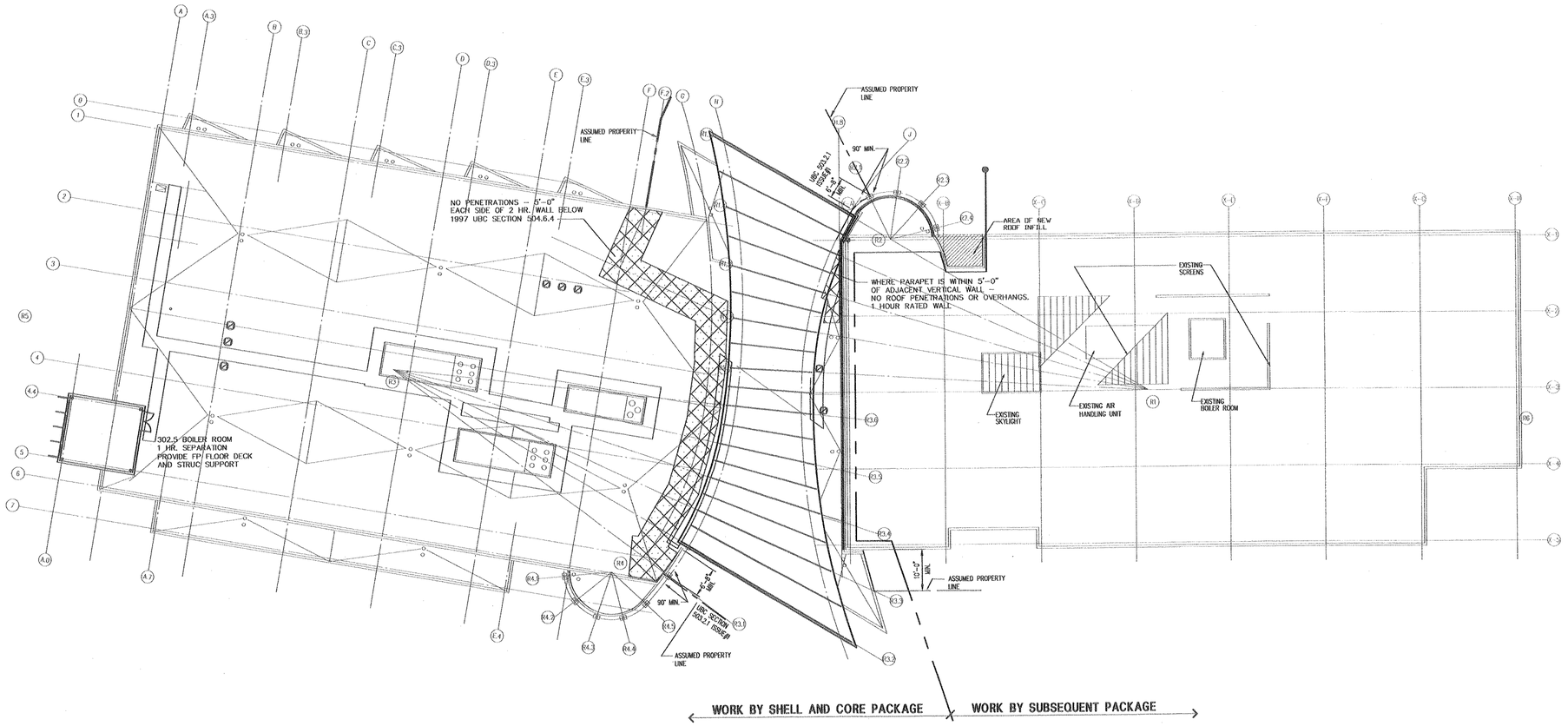
Key Plan
NTS

Number	Date	By	Description of Revisions
/2	11/20/00	MLB	ASI #17 - REVISE TEXT
/1	10/30/00	RAL	REVISION ASI #14

Sheet Title
COMPOSITE PLAN LEVEL 2 CODE ANALYSIS

Scale 1/16" = 1'-0"
Designed — Drawn MB
Date 11/09/00 — Checked
Approved By — Job Number 2486300

Sheet Number
S&C A1-2



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PCC II

SHELL AND CORE PACKAGE VOLUME II

STATE OF ALASKA — Richard G. Buckby — No. A 10008 — Registered Architectural Engineer

PCCII Addition | PCCI Existing

Key Plan
NTS

Number	Date	By	Description of Revisions

Sheet Title
COMPOSITE ROOF PLAN CODE ANALYSIS

Scale 1/16" = 1'-0"
Designed — Drawn MEI
Date 10/09/00 — Checked
Approved By — Job Number 2486300

Sheet Number

S&C A1-3

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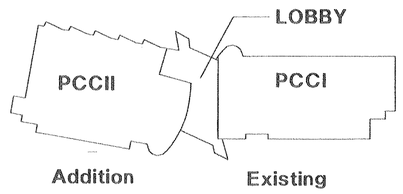
UNIFORM BUILDING CODE SUMMARY (W/ ANCHORAGE AMENDMENTS)	1997 UBC	PCC I - existing	Lobby	PCC II
Occupancy Groups	Table 5-A	B	A-2.1	B
Building Construction Type	Table 5-B	Type II - 1hr	Type V - 1hr	Type II-1hr
Required Building Separation	Section 504.6.2	2-hr from Lobby	2-hr from PCC I& PCC II	2-hr from Lobby
Required Occupancy Separation	Table 3-B	none required	1-hr from B Occupancy	none required
Allowable Stories	Table 5-B	4 stories	2 stories	4 stories
Number of Stories		2 stories	1 story	2 stories
Allowable Building Height	Table 5-B	65'-0"	50'-0"	65'-0"
Height of Floors		14'-0" and 13'-9"	Varies 31'-0" to 48'-6"	14'-0"
Total Building Height		31-0"	48'-6" at heights	31-0"
Fire Resistance of exterior walls				
Load Bearing Wall	Table 5-A & 6-A	1-hr	2-hr <20 feet	2-hr <20 feet
			1-hr >or = 10 feet	
Non Load Bearing Wall	Table 5-A	1-hr < 40 feet	2-hr <20 feet	1-hr < 40 feet
			1-hr >or = 10 feet	
Openings in exterior walls	Table 5-A	not permitted < 5 feet	not permitted < 5 feet	not permitted < 5 feet
		3/4 hour < 10 feet	3/4 hour < 10 feet	3/4 hour < 10 feet
Interior Bearing walls	Table 6-A; Section 508	NR	NR	NR
Structural Frame	Table 6-A; Section 508	NR	NR	NR
Permanent Partitions	Table 6-A; Section 508	NR	NR	NR
Shaft Enclosures (see Section 711 for definition)	Table 6-A; Section 508	1-hr	1-hr	1-hr
Floors and Floor Ceilings	Table 6-A; Section 508	NR	NR	NR
Roofs and Roof Ceilings (see Section 504.6.4 for exceptions)	Table 6-A; Section 508			
Required Exit Stairway construction		1/2 hr	NR from Mezzanine	1 hr
Fire resistive substitution for sprinklers throughout	Section 508	yes	yes	yes
Class of Roof	Section 504.6.4	to be determined	Class B	Class B
Basic Allowable Floor Area	Table 5-B	18,000.00	13,500.00	18,000.00
Area Increase Separation 3 sides/ 100%max	Section 505.1.2	2.00		
Area Increase Separation 2 sides/ 50%max	Section 505.1.1		1.50	1.50
Subtotal		36,000.00	20,250.00	27,000.00
Area Increase - Automatic Sprinklers - Not Applicable	Section 505.3	1.00	1.00	1.00
Subtotal		36,000.00	20,250.00	27,000.00
Allowable floor area increase 200% 1 story, 100% 2 story	Section 504			
Area increase for single floor	Section 504.1	0.00	0.00	0.00
Area increase for Multi-story	Section 504.2	2.00	2.00	2.00
Total Allowable Floor Area		72,000.00	40,500.00	54,000.00
Actual Floor Area by Occupancy				
First Floor		20,237.00	5,657.00	22,495.00
Exterior Covered Area		171.00	253.00	0.00
First Floor Subtotal		20,408.00	5,910.00	22,495.00
Second Floor		20,466.00	1,372.00	22,701.00
Second Floor Exterior Covered Area		0.00	0.00	0.00
Second Floor Subtotal		20,466.00	1,372.00	22,701.00
Roof Floor		150.00	0.00	463.92
Roof Floor Subtotal		150.00	0.00	463.92
Total Actual Floor area by Occupancy		41,024.00	7,282.00	45,659.92
Ratio of Actual to Allowable Floor Area	Section 504.3	0.57	0.18	0.85
Sum of ratios for Mixed Occupancies	Section 504.3	0.57	0.18	0.85



Key Plan
NTS

BUILDING CODE
1997 UBC WITH LOCAL AMMENDMENTS

Current Area Exiting Summary	PCC I					Lobby						PCC II					
Total People per floor																	
Floor	1st	people/n.s.f.	occ.	2nd	people/n.s.f.	1st	people/n.s.f.	occ.	2nd	people/n.s.f.	occ.	1st	people/n.s.f.	occ.	2nd	occ.	
Office	14,627.00	100.00	146.27	14,832.00	100.00	0.00	100.00	0.00	0.00	100.00	0.00	16,103.00	100.00	161.03	12,089.00	120.89	
Assembly	1,169.00	15.00	77.93	2,567.00	15.00	4,970.00	15.00	331.33	1,372.00	15.00	91.47	2,645.00	15.00	176.33	3,411.00	227.40	
Exercise												1,030.00	50.00	20.60			
Lockers												1,086.00	50.00	21.72			
Hallways	3,443.00			2,501.00	0.00										5,319.00		
Accessory spaces	643.00					297.00	0.00	0.00				528.00	0.00	0.00	1,201.00		
Total Area 05-17-00	19,882.00		224.20	19,900.00		5,267.00		331.33	1,372.00		91.47	21,382.00		379.68	22,020.00	348.29	
Exit Analysis per floor																	
number of exits per floor			2.00					2.00			2.00			3.00		2.00	
number of people exiting at each exit			112.10					165.67			45.73			126.56		174.15	
Minimum Stair width in inches per persons exiting											13.72					52.24	
Minimum hallway and/or door width in inches			22.42					33.13			9.15			25.31		34.83	
Horizontal exit refuge area in sq. ft.			336.31					497.00			137.20			379.68		522.44	

Plumbing Fixtures	Area	people/sf	Occupants	Water Closets		Lavatories		Drinking
	n.s.f.		male or female	Male				Fountains
Lobby								
First Floor								
Lobby	5,267.00	200.00	13.17	1.00		0.84	1 per 2 WC	2.00
Second Floor								
Lobby	1,372.00	200.00	3.43	1.00		0.24	1 per 2 WC	ee first floor
PCC II								
First Floor								
Office	19,302.00	200.00	48.46	3.00		6.00		
Public Waiting	2,010.00	30.00	33.50	2.00		4.00		1.00
Second Floor								
Office	19,279.00	200.00	48.20	3.00		4.00		
Public Waiting	2,741.00	30.00	45.68	2.00		8.00		1.00

Parking Summary	stalls per s.f.	PCC I area	PCC I stalls	Lobby area	Lobby stalls	PCC II stalls	Total Stalls	
Medical Clinic	250.00	35,307.00	141.23	6,765.00	27.06	168.16	336.44	per g.s.f.
Office	300.00	5,000.00	16.67	0.00	0.00	9.70	26.37	per g.s.f.
Warehouse	1,000.00	396.00	0.40	0.00	0.00	0.51	0.91	per g.s.f.
Totals		40,703.00	158.29	6,765.00	27.06	178.37	363.72	Required Parking Stalls per g.s.f.
							215.00	Clinic Full Time Employees

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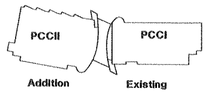
PCC II

SHELL AND CORE PACKAGE VOLUME II

STATE OF ALASKA 49TH Richard G. Buckley No. A 10008 Registered Professional Architect



Key Plan
NTS

Number Date By Description of Revisions

Sheet Title
CODE ANALYSIS REPORT

FOR REFERENCE ONLY

Scale
Designed Drawn MB
Date 10/09/00 Checked
Approved By Job Number 24863.00

Sheet Number

S&C A1-4

GENERAL NOTES

1. PLAN DIMENSIONS RELATE TO FACE OF GWB, CENTERLINE OF PARTITION, OR PROJECT GRID LINES, UNO CRITICAL CLEARANCES ARE DESIGNATED "CLR".
2. REFER TO DOOR SCHEDULE FOR DOOR AND RELITE DETAILS.
3. SEE SHEET A0-0.2 FOR PROJECT GENERAL NOTES
4. SEE SHEET A2-3.3 FOR REFLECTED CEILING AND SOFFIT PLANS OF VESTIBULES, BOILER ROOM AND LOBBY.
5. ALL ROOFS ARE TYPE RS-1 AND HAVE 3/8 TO 12 SLOPE OR GREATER, UNO.
6. ALIGN ALL WALLS IN EAST/WEST DIRECTION, UNO.

HATCHED AREA FOR REFERENCE ONLY
INFORMATION WILL FOLLOW IN SUBSEQUENT PACKAGE

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PCC II

SHELL AND CORE PACKAGE VOLUME II

PCCII Addition | PCCI Existing

Key Plan
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Number	Date	By	Description of Revision
1	11/15/00	RAL/AEL	REVISION ASI #16

Sheet Title
PLAN LEVEL 1 - PCC I

Scale 1/8" = 1'-0"
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PCC II

SHELL AND CORE PACKAGE VOLUME II

PCCII — Addition
PCCI — Existing

Key Plan
NTS

Number	Date	By	Description of Revisions
5	11/29/00	RAL	REVISION ASI #18
3	11/15/00	RAL/AEL	REVISION ASI #16
2	10/24/00	MLB	REVISION ASI #13
1	10/12/00	MLB	REVISION ASI #12

Sheet Title
PLAN LEVEL 1 - PCC II

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Designed RD — Drawn CJ,BD,MB
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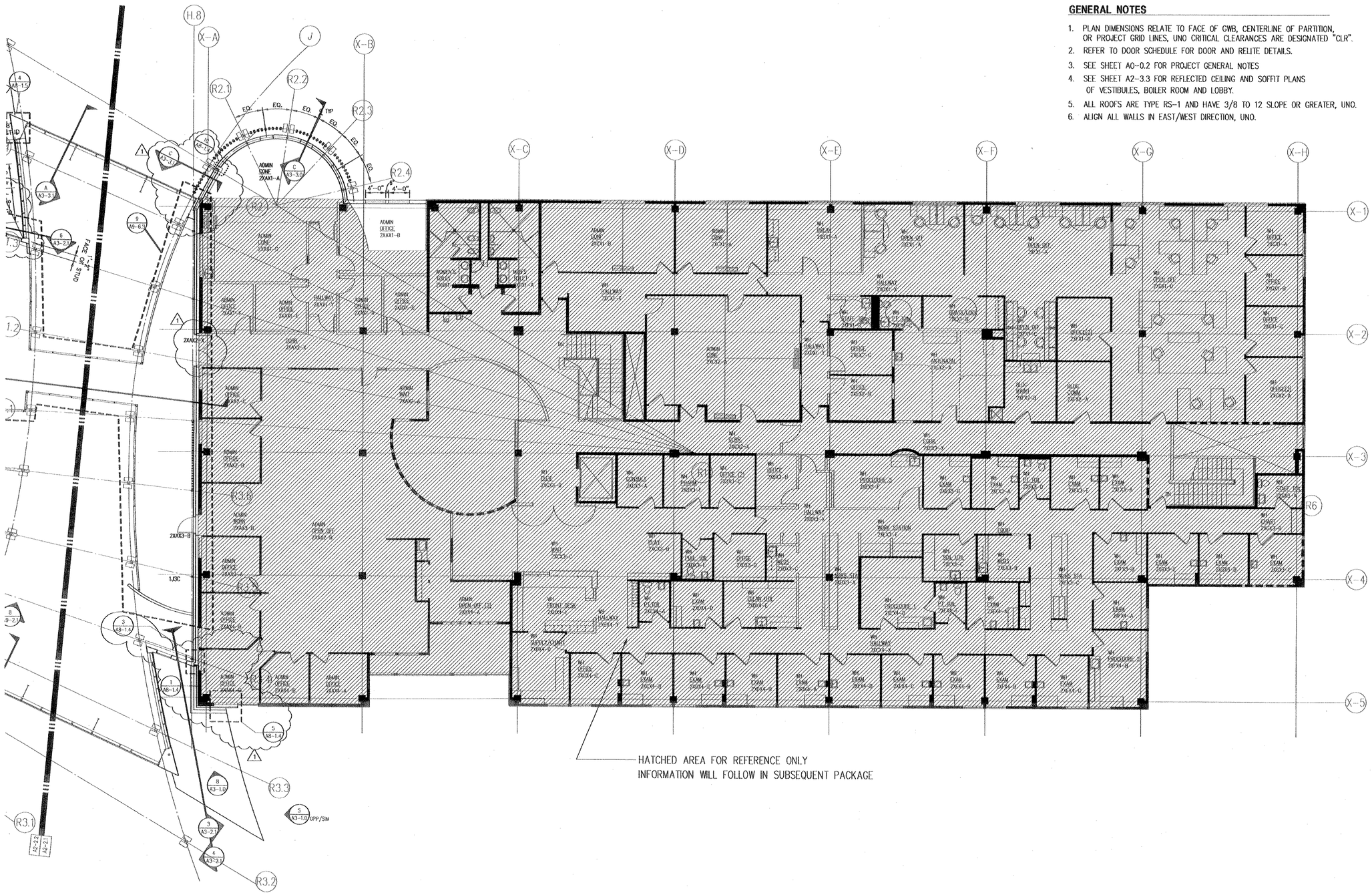
Approved By — Job Number 24863.00

Sheet Number

S&C A2-1.2



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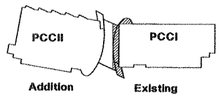


Key Plan
NTS

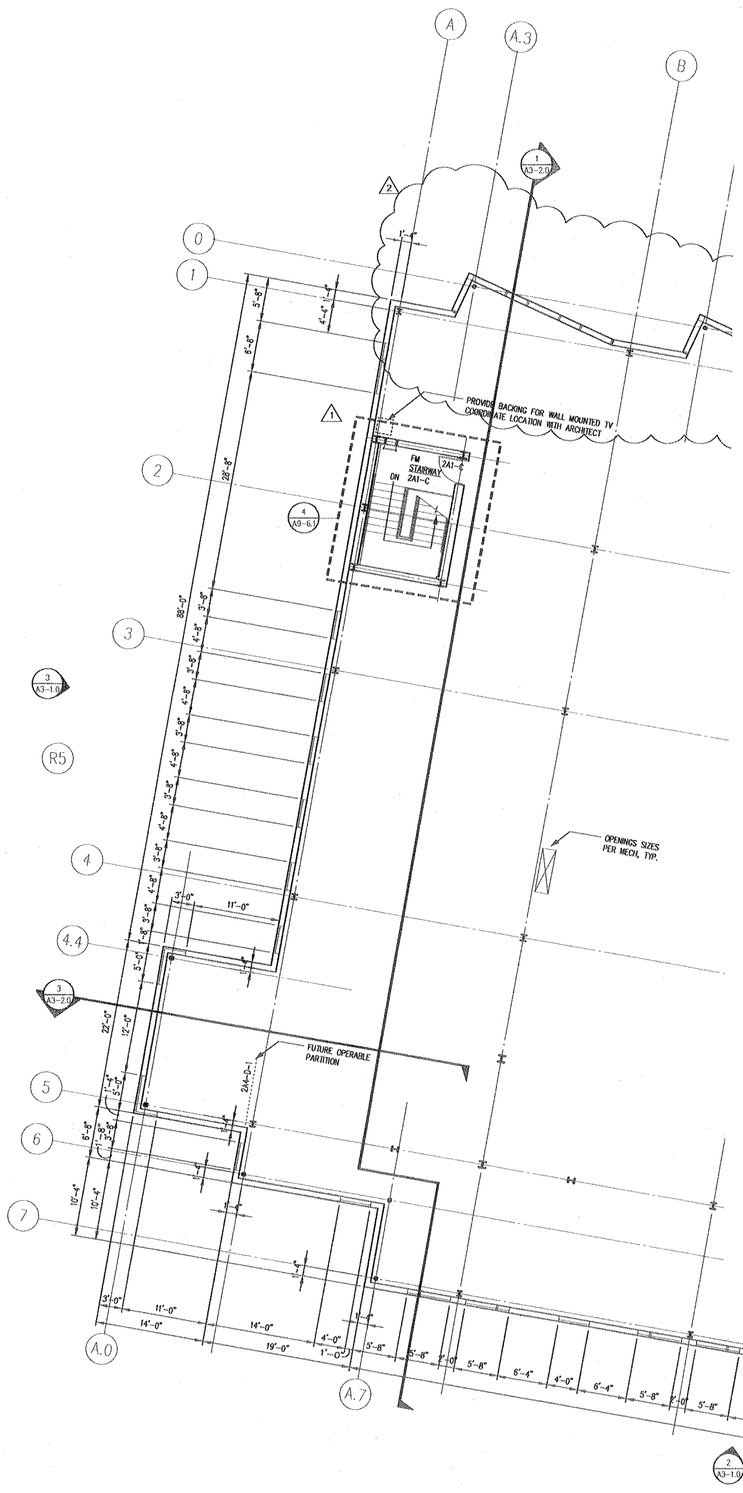
Number	Date	By	Description of Revisions
1	11/15/00	MLB/AEL/RAL	REVISION ASI #16

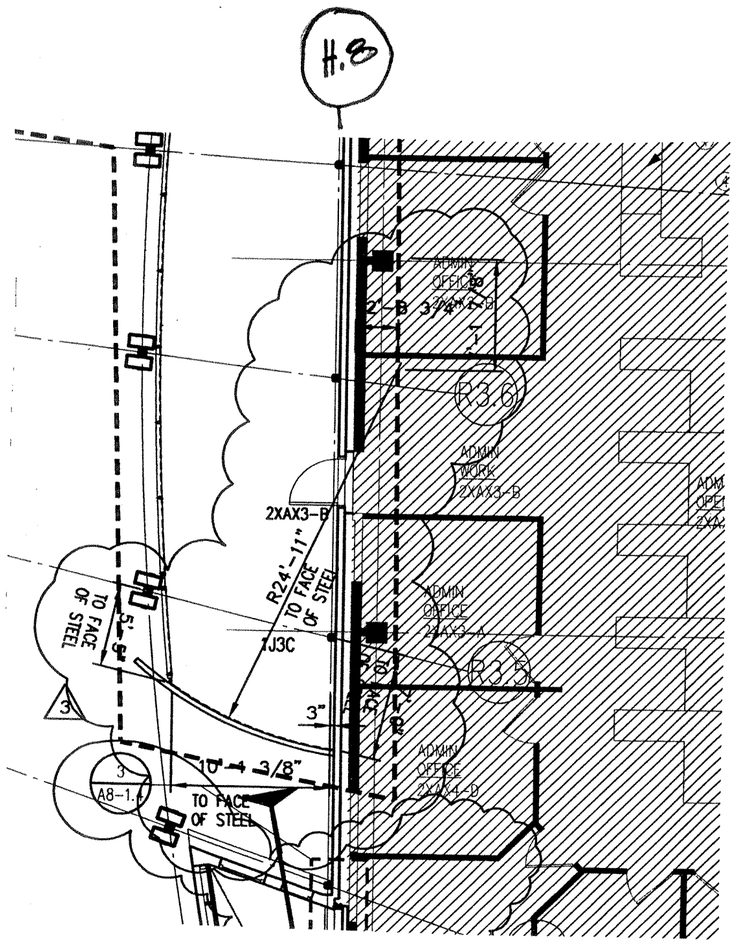
Sheet Title
PLAN LEVEL 2 - PCC I

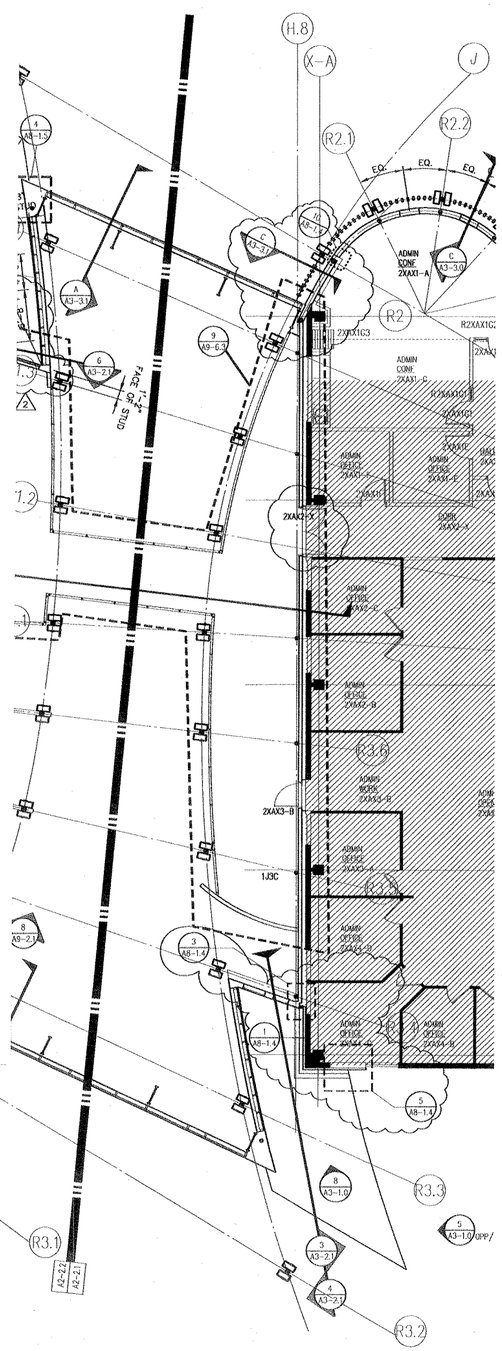
Scale 1/8" = 1'-0"
Designed RD — Drawn CJ,BD, MB
Date 10/09/00 — Checked CJ
Approved By — Job Number 2486300

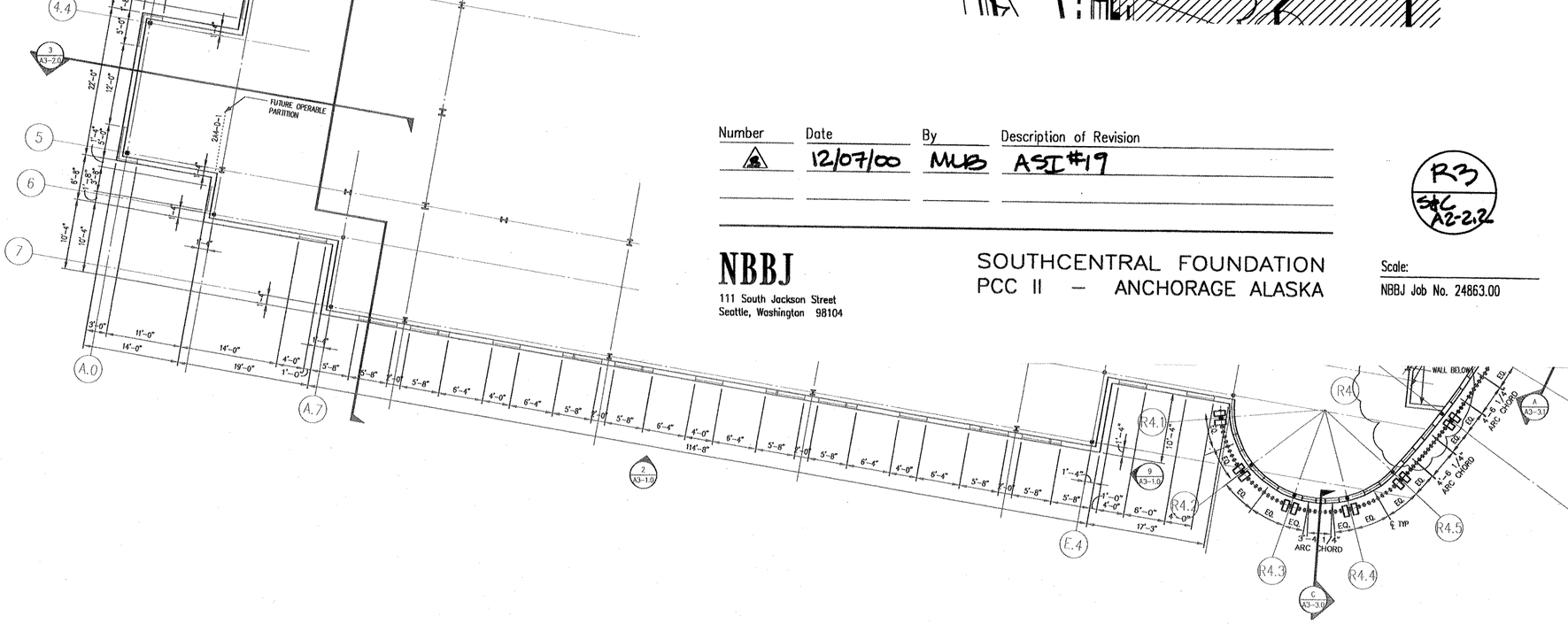
Sheet Number

S&C A2-2.1









Number	Date	By	Description of Revision
2	12/07/00	MLB	ASI #19

R3 S&C A2-2.2

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SOUTHCENTRAL FOUNDATION
PCC II — ANCHORAGE ALASKA

Scale:
NBBJ Job No. 24863.00

AL NOTES

DIMENSIONS RELATE TO FACE OF GWB, CENTERLINE OF PARTITION, ROJECT GRID LINES, UNO CRITICAL CLEARANCES ARE DESIGNATED "CLR".
R TO DOOR SCHEDULE FOR DOOR AND RELITE DETAILS.
SHEET A0-0.2 FOR PROJECT GENERAL NOTES
SHEET A2-3.3 FOR REFLECTED CEILING AND SOFFIT PLANS
/ESTIBULES, BOILER ROOM AND LOBBY.
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PCC II

SHELL AND CORE PACKAGE VOLUME II

PCCII Addition | PCCI Existing

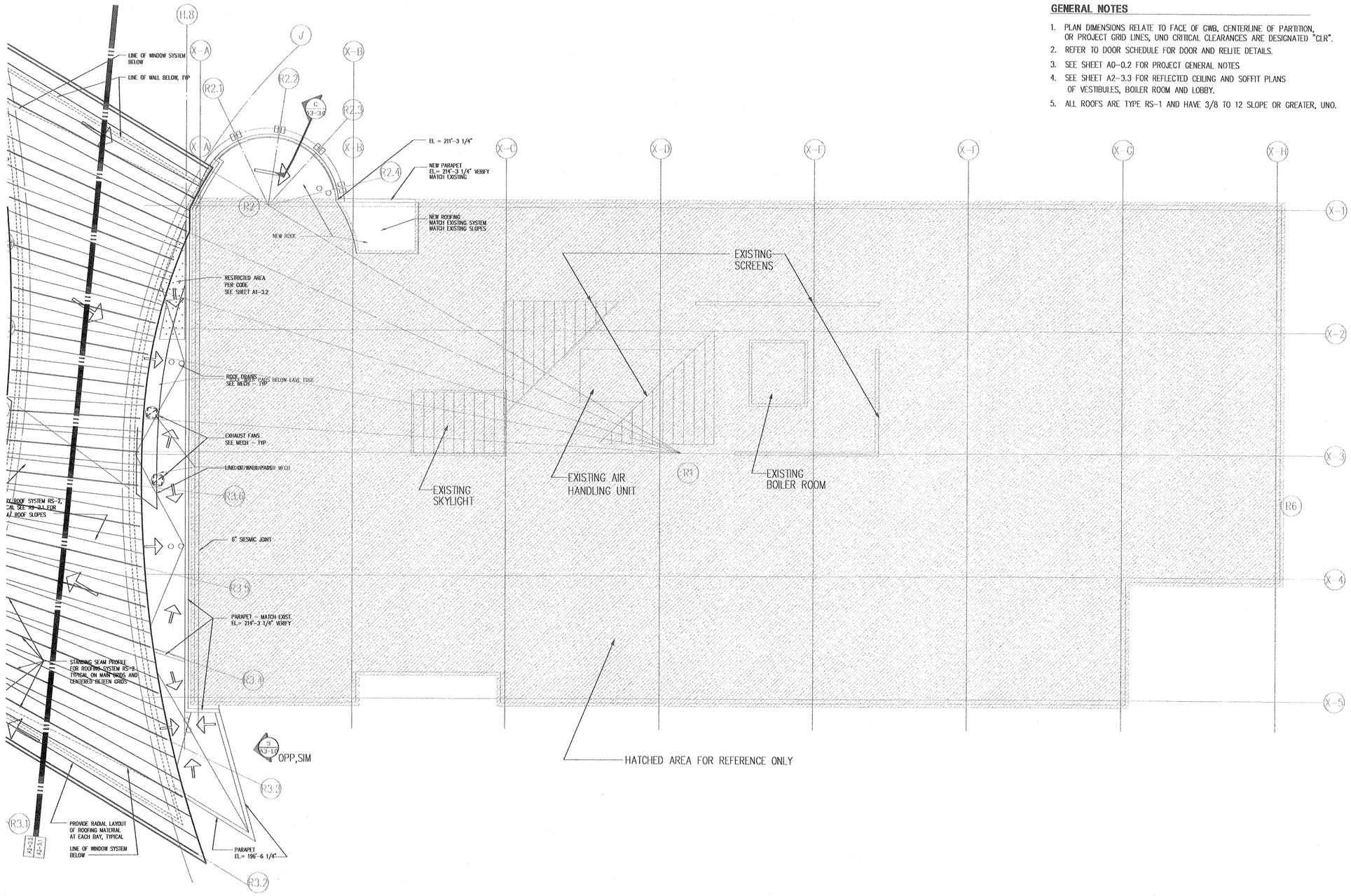
Key Plan
NTS

Number	Date	By	Description of Revisions
2	11/15/00	MLB/RAL/AEL	REVISION ASI #16
1	10/12/00	MLB	REVISION ASI #12

Sheet Title
PLAN LEVEL 2 - PCC II

Scale 1/8" = 1'-0"
Designed RD | Drawn CJ,BD,MB
Date 10/09/00 | Checked CJ
Approved By | Job Number 24863.00

Sheet Number
S&C A2-2.2



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PCC II

SHELL AND CORE PACKAGE VOLUME II

STATE OF ALASKA 49TH Richard G. Buchta No. A 10008 REGISTERED PROFESSIONAL ARCHITECT

PCCII Addition | PCCI Existing

Key Plan

NTS

Number	Date	By	Description of Revisions

Sheet Title

ROOF PLAN - EAST

Scale 1/8" = 1'-0"
Designed RD Drawn CJ,BD,MB
Date 10/09/00 Checked MB
Approved By Job Number 24860.00

Sheet Number

S&C A2-3.1

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R:\DATA FOR R14\USER: MLB DATE: 10/09/00 TIME: 11:13

GENERAL NOTES

1. PLAN DIMENSIONS RELATE TO FACE OF GWB, CENTERLINE OF PARTITION, OR PROJECT GRID LINES, UNO CRITICAL CLEARANCES ARE DESIGNATED "CLR".
2. REFER TO DOOR SCHEDULE FOR DOOR AND RELITE DETAILS.
3. SEE SHEET A0-0.2 FOR PROJECT GENERAL NOTES
4. SEE SHEET A2-3.3 FOR REFLECTED CEILING AND SOFFIT PLANS OF VESTIBULES, BOILER ROOM AND LOBBY.
5. ALL ROOFS ARE TYPE RS-1 AND HAVE 3/8 TO 12 SLOPE OR GREATER, UNO.

PARAPET - 5 PLACES EL.= 211'-3 1/4"
ROOF DRAINS SEE MECH - TYP
TYP PARAPET EL.= 214'-3 1/4" (MATCH PCC 1 TYPICAL)
PARAPET EL.= 196'-6 1/4"
ROOF HATCH
TYP PARAPET EL.= 214'-3 1/4" (MATCH PCC 1, TYP)
6'-0" MIN TYP
ROOF VENT COORD WITH MECH TYPICAL
ROOF WALK PADS TYP
RIDGE
EXHAUST FANS SEE MECH - TYP
2 x 4 FT WOOD FURRING WITH 5/8 FRT PLYWOOD OVER ON CONCRETE PAD 24" OC TYP
LINE OF CONCRETE BELOW
RESTRICTED AREA PER CODE SEE SHEET A1-3.2
EXHAUST FANS SEE MECH - TYP
20'-0" MIN TO INTAKE -TYP
TYP @ MECH UNITS
MECH UNITS SEE MECH
BLDG BOILER RM 345-1
LINE OF WINDOW SYSTEM BELOW
LINE OF WALL BELOW, TYP
RESTRICTED AREA PER CODE SEE SHEET A1-3.2
ROOF DRAINS SEE MECH - TYP
EXHAUST FANS SEE MECH - TYP
LINE OF WALK PADS
40BBX ROOF SYSTEM RS-2, TYPICAL SEE 79-21 FOR METAL ROOF SLOPES
6" SIESMIC JOINT
PARAPET - MATCH EXIST. EL.= 214'-3 1/4" VERIFY
ROOF DRAINS SEE MECH - TYP
TYP PARAPET EL.= 214'-3 1/4" (MATCH PCC1, TYP.)
PARAPET EL.= 211'-4 3/4"
LINE OF ROOF WALK PADS
STANDING SEAM PRIMLE FOR ROOFING SYSTEM RS-2, TYPICAL ON MAIN SKIDS AND CENTERED BETWEEN GRIDS
EL.= 211'-4 3/4"
TYP PARAPET EL.= 214'-3 1/4" (MATCH PCC1, TYP.)
EL.= 214'-3 1/4" (MATCH PCC1, TYP.)
SLOPED PARAPET
PROVIDE RADIAL LAYOUT OF ROOFING MATERIAL AT EACH BAY, TYPICAL
LINE OF WINDOW SYSTEM BELOW
PARAPET EL.= 196'-6 1/4"

1 ROOF PLAN PCC2
SCALE: 1/8" = 1'-0"
M:\24863_00\DWG S&C\S&C A2-3_2.DWG

2 BOILER ROOM ROOF
SCALE: 1/8" = 1'-0"
M:\24863_00\DWG S&C\S&C A2-3_2.DWG

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PCC II

SHELL AND CORE PACKAGE VOLUME II

STATE OF ALASKA 49TH Richard G. Buckley No. A 10008 REGISTERED PROFESSIONAL ARCHITECT

PCCII Addition | PCCI Existing

Key Plan
NTS

Number	Date	By	Description of Revisions

Sheet Title
ROOF PLAN - WEST

Scale 1/8" = 1'-0"
Designed RD Drawn MB,WH
Date 10/09/00 Checked MB
Approved By Job Number 24863.00

Sheet Number
S&C A2-3.2

M:\24863_00\Dwg S&C\S&C A2-3_2.dwg
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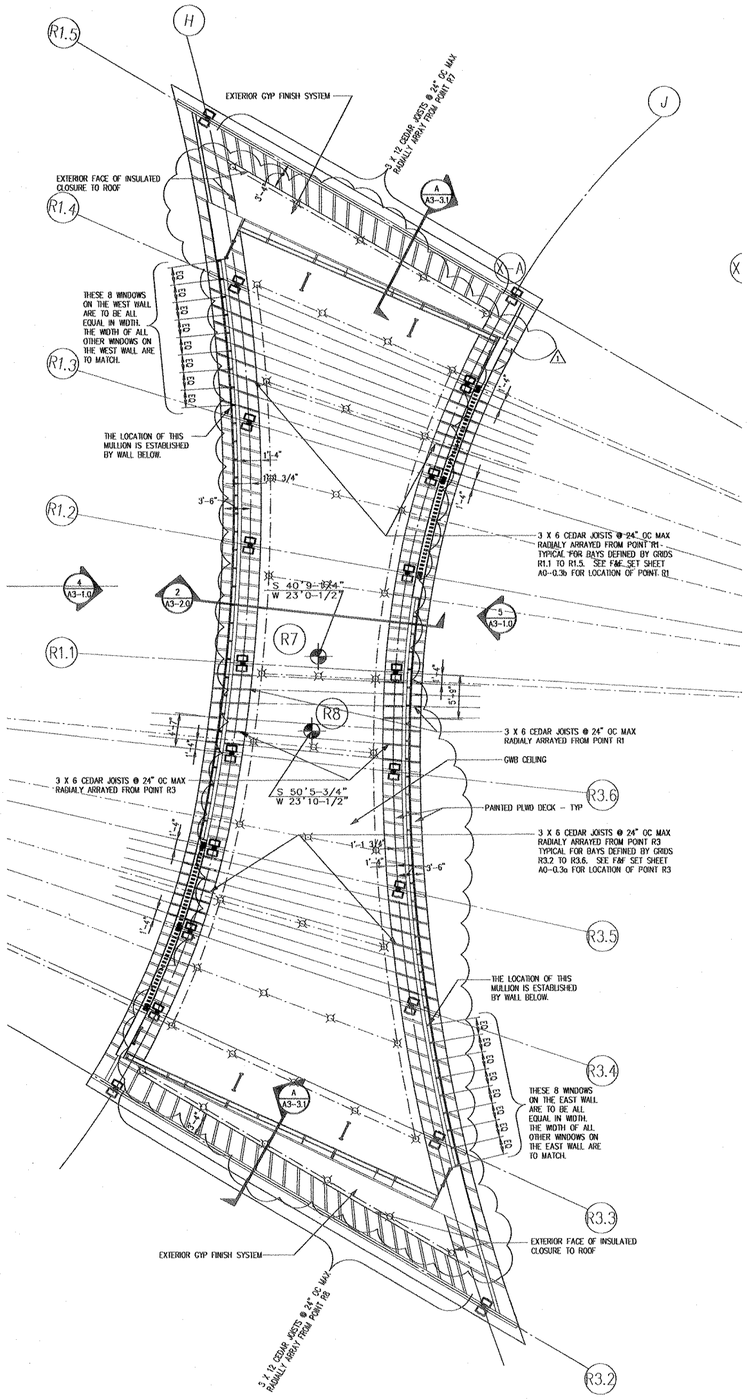

3 **LOBBY REFLECTED CEILING & SOFFIT PLAN**
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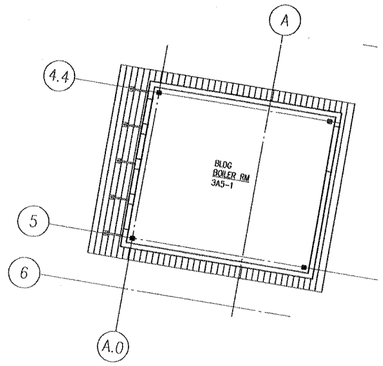
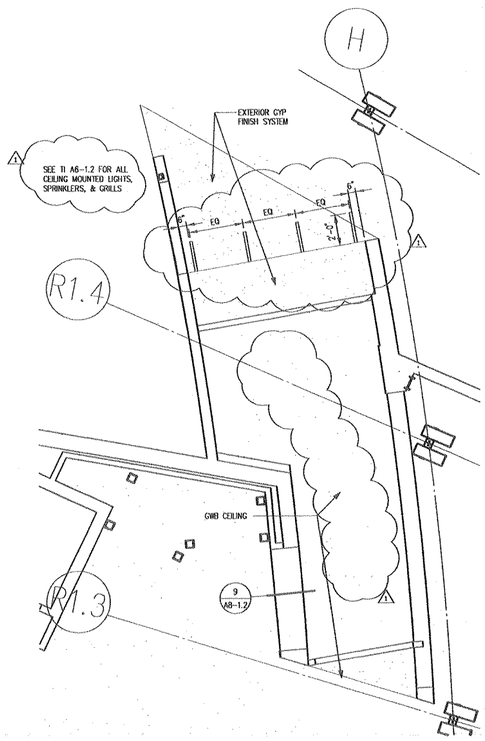


4 **BOILER ROOM SOFFIT PLAN**
SCALE: 1/8" = 1'-0" M:\24863_00\DWG S&C\S&C A2-3_3.DWG



2 **REFLECTED CEILING PLAN NORTH VESTIBULE**
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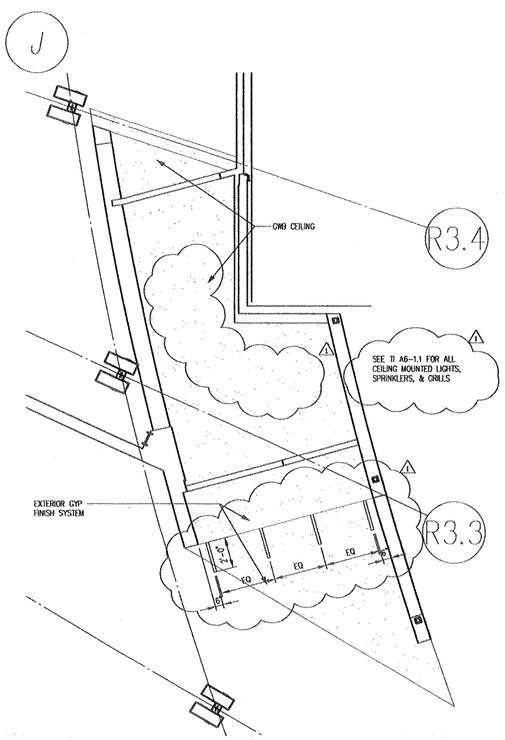

1 **REFLECTED CEILING PLAN SOUTH VESTIBULE**
SCALE: 1/4" = 1'-0" M:\24863_00\DWG S&C\S&C A2-3_3.DWG

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PCC II

SHELL AND CORE PACKAGE VOLUME II

PCCII Addition — PCCI Existing

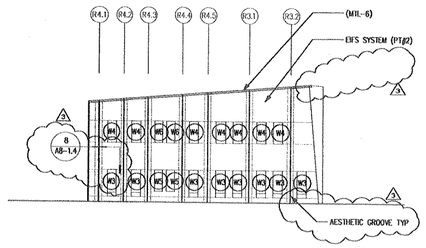
Key Plan
NTS

Number	Date	By	Description of Revisions
1	12/14/00	RAL	REVISION ASI #22

Sheet Title
RCP/ SOFFIT PLANS OF LOBBY VESTIBULES & BOILER ROOM

Scale 1/4" = 1'-0"
Designed RD Drawn BD
Date 10/09/00 Checked MB
Approved By Job Number 24863.00

Sheet Number
S&C A2-3.3



6 UNFOLDED ELEVATION @ SOUTH TRADITIONAL HEALING

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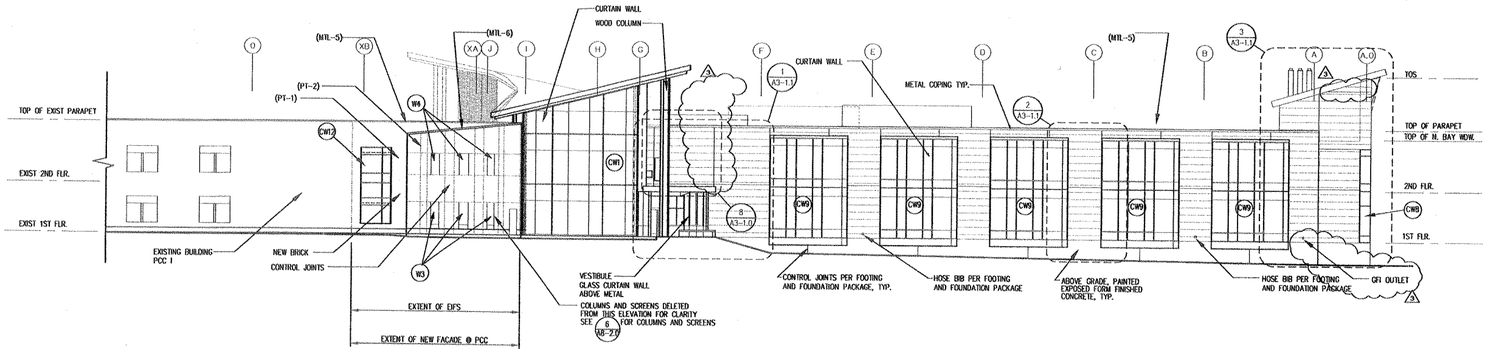
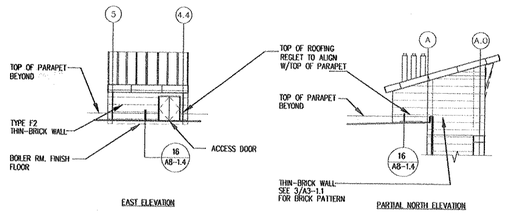


1 NORTH BUILDING ELEVATION

SCALE: 1/16" = 1'-0" M:\24863_00\DWG S&C\S&C A3-1_0.DWG

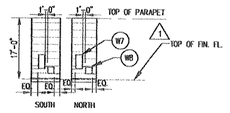


EAST ELEVATION

PARTIAL NORTH ELEVATION

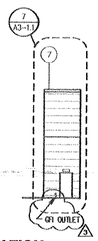
7 BOILER ROOM ELEVATIONS

SCALE: 1/16" = 1'-0" M:\24863_00\DWG S&C\S&C A3-1_0.DWG



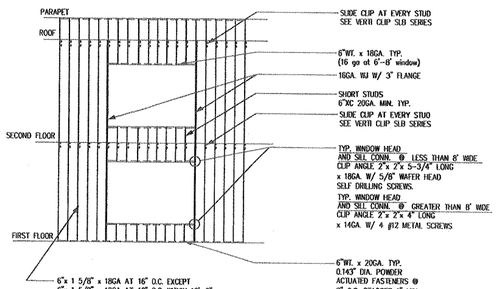
8 VESTIBULE EXT. ELEVATIONS

SCALE: 1/16" = 1'-0" M:\24863_00\DWG S&C\S&C A3-1_0.DWG



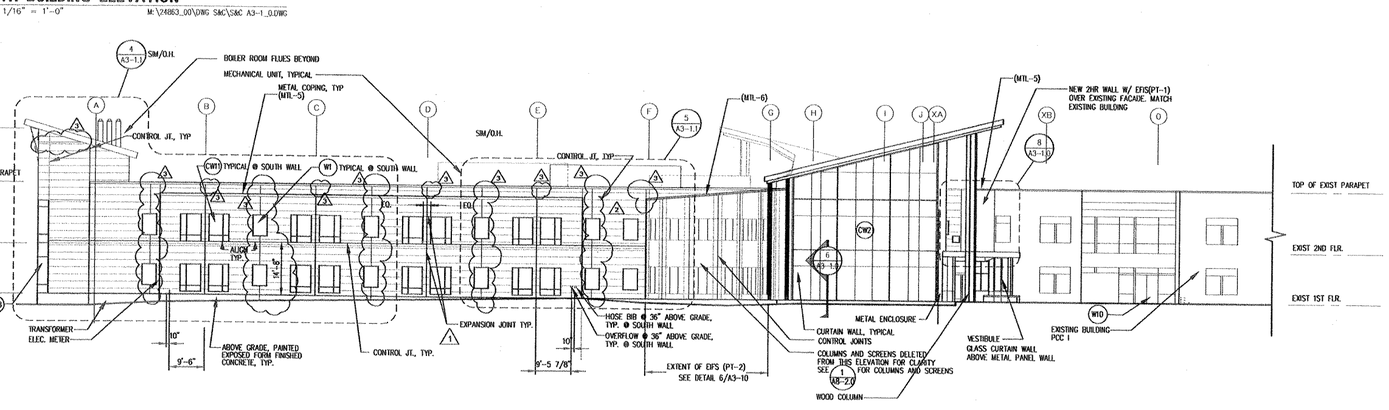
9 EAST ELEVATION

SCALE: 1/16" = 1'-0" M:\24863_00\DWG S&C\S&C A3-1_0.DWG



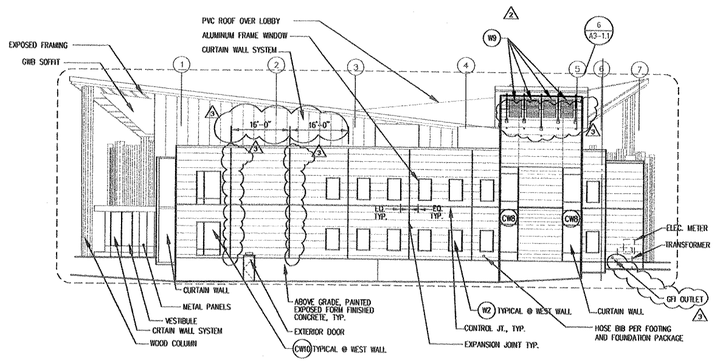
10 TYP. EXTERIOR STUD PARTITION

SCALE: 1/8" = 1'-0" M:\24863_00\DWG S&C\S&C A3-1_0.DWG



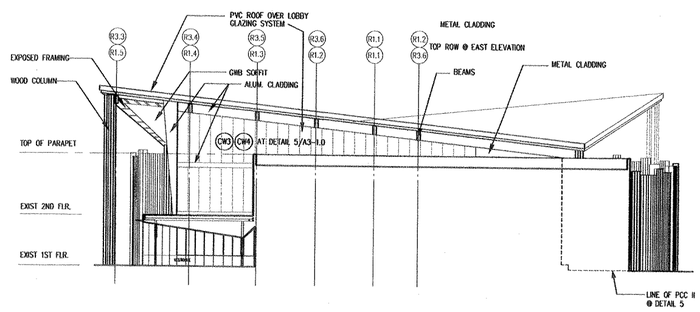
2 SOUTH BUILDING ELEVATION

SCALE: 1/16" = 1'-0" M:\24863_00\DWG S&C\S&C A3-1_0.DWG



3 WEST BUILDING ELEVATION @ PCC II

SCALE: 1/16" = 1'-0" M:\24863_00\DWG S&C\S&C A3-1_0.DWG



4 WEST BUILDING ELEVATION @ LOBBY

SCALE: 1/16" = 1'-0" M:\24863_00\DWG S&C\S&C A3-1_0.DWG

5 EAST BUILDING ELEVATION @ LOBBY

SCALE: 1/16" = 1'-0" M:\24863_00\DWG S&C\S&C A3-1_0.DWG

GENERAL NOTES:

1. SEE SHEET A8-1.0 FOR WINDOW TYPES
2. SEE SHEET A3-1.1 FOR BRICK MODULES ELEVATIONS
3. SEE DETAILS 7,8 & 9/A8-1.4 AND 16/A8-1.3 FOR CONTROL & EXPANSION JOINT DETAILS

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PCC II

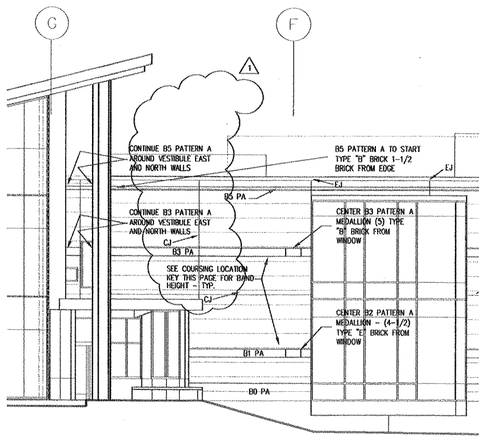
SHELL AND CORE PACKAGE VOLUME II

Number	Date	By	Description of Revisions
3	12/07/00	MLB	REVISION ASI #19
2	11/15/00	MLB	REVISION ASI #16
1	10/30/00	MLB	REVISION ASI #14

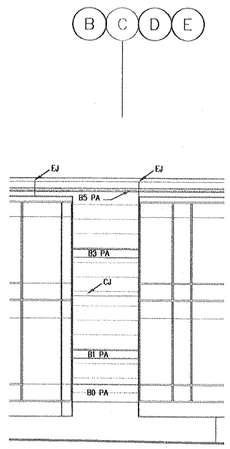
Sheet Title
BUILDING ELEVATIONS PCC II

Scale 1/16" = 1'-0"
Designed RD Drawn MB,LB,CF
Date 10/09/00 Checked CJ
Approved By Job Number 24863.00

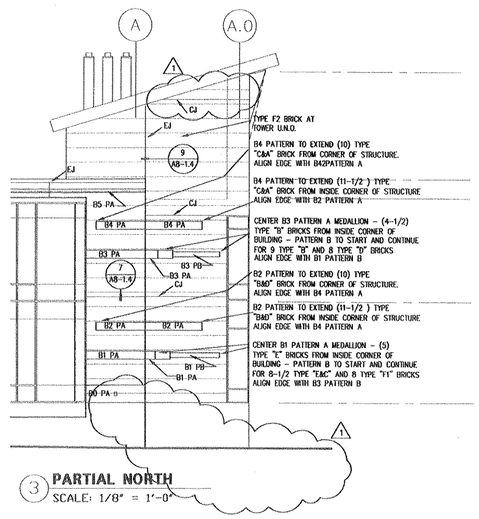
Sheet Number
S&C A3-1.0



1 **PARTIAL NORTH**
SCALE: 1/8" = 1'-0"



2 **PARTIAL NORTH**
SCALE: 1/8" = 1'-0"



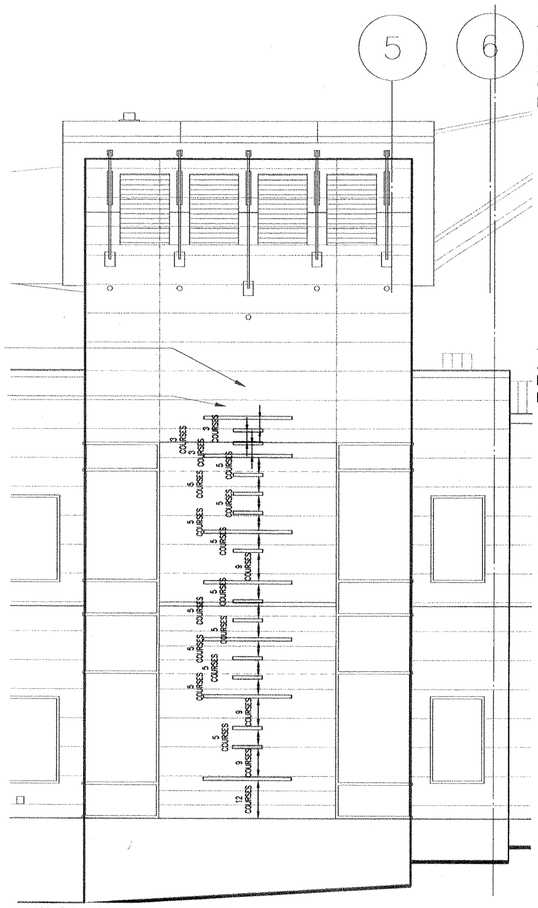
3 **PARTIAL NORTH**
SCALE: 1/8" = 1'-0"

GENERAL NOTES

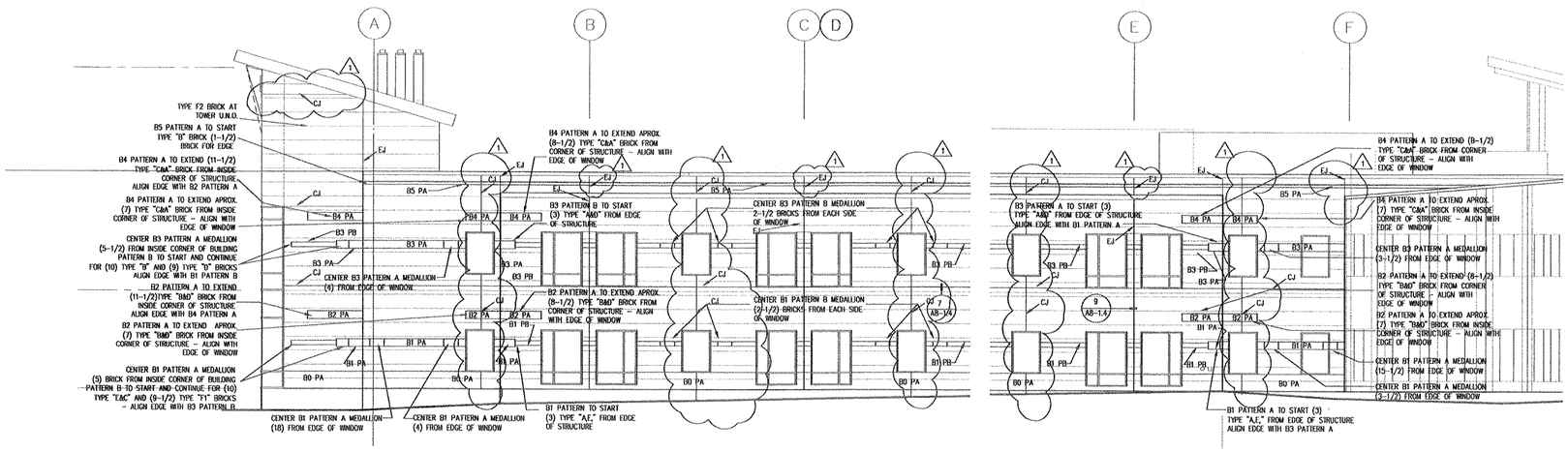
1. SEE COURSING LOCATION KEY THIS SHEET FOR B AND P CODING.
2. SEE SHEET A3-1.2 FOR BRICK PATTERNS, BAND TYPES AND COLORS.
3. ALL FIELD TILE IS "7-1" TYPE UNLESS OTHER WISE NOTED. SEE SHEET A3-1.2 FOR COLOR INFORMATION.

CENTER BETWEEN WINDOWS (1) COURSE OF (4) TYPE "B" BRICKS - TYPICAL B

CENTER BETWEEN WINDOWS (1) COURSE OF (10) TYPE "E" BRICKS - TYPICAL A

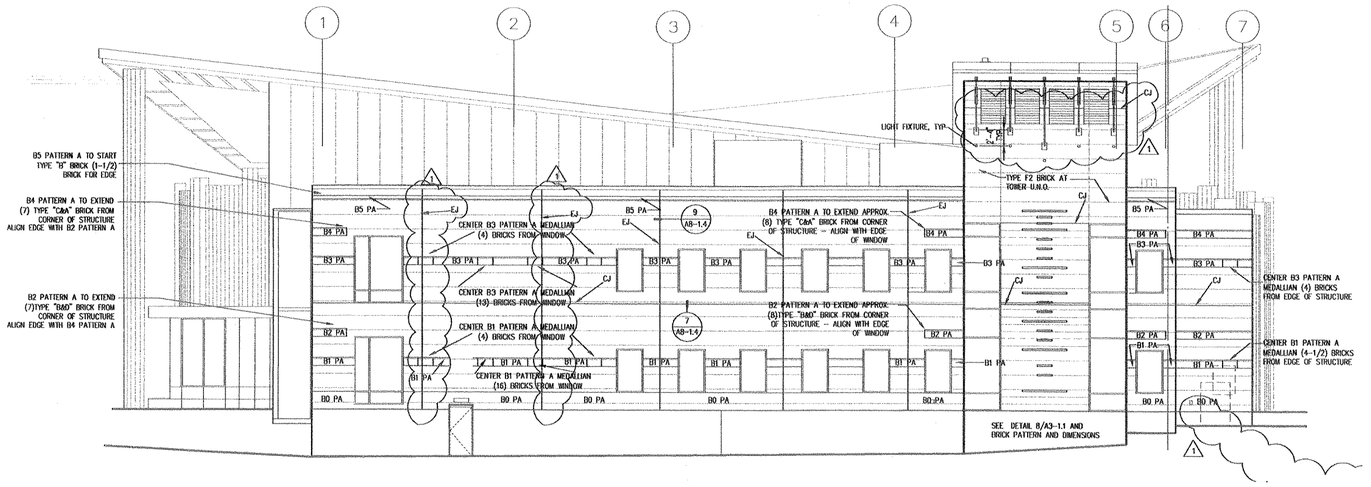


8 **WEST TOWER ELEVATION**
SCALE: 1/4" = 1'-0"

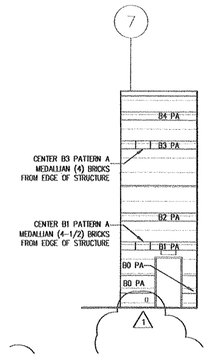


4 **PARTIAL SOUTH**
SCALE: 1/8" = 1'-0"

5 **PARTIAL SOUTH**
SCALE: 1/8" = 1'-0"



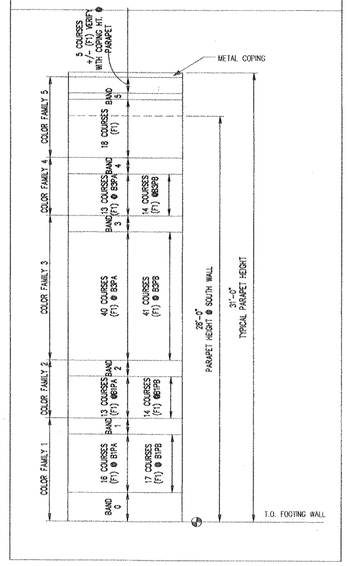
6 **WEST ELEVATION**
SCALE: 1/8" = 1'-0"



7 **EAST ELEVATION**
SCALE: 1/8" = 1'-0"

COURSING LOCATION KEY

ABBREVIATIONS USED TO DESCRIBE BRICK OR ELEVATIONS ARE AS FOLLOWS:
BAND NUMBER: B_
PATTERN IDENTIFICATION: P_



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PCC II

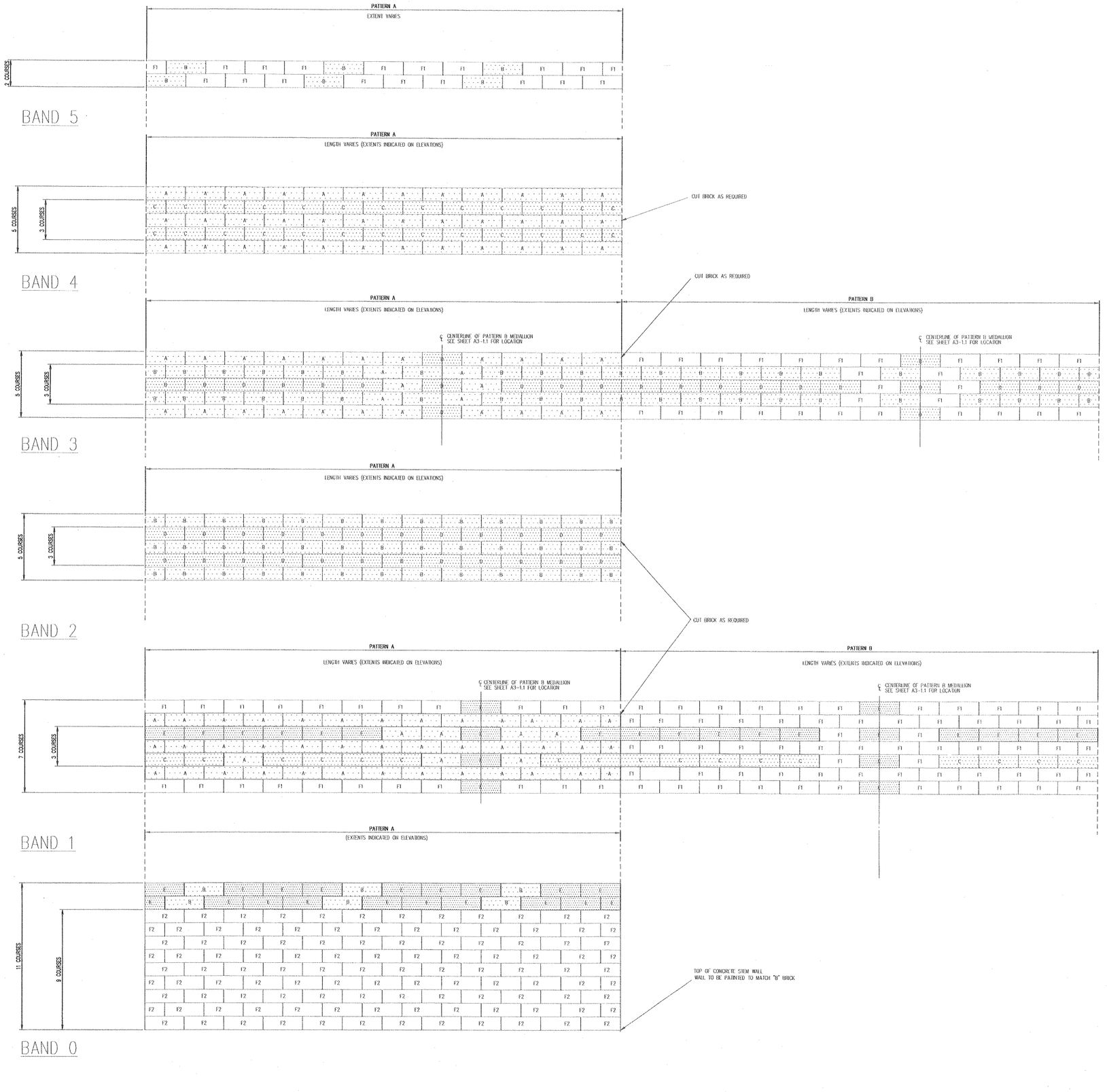
SHELL AND CORE PACKAGE VOLUME II

Number	Date	By	Description of Revisions
1	12/07/00	MLB	REVISION ASI #19

Sheet Title
PARTIAL BUILDING ELEVATIONS PCC II

Scale 1/16" = 1'-0"
Designed RD | Drawn RD, MB
Date 10/09/00 | Checked
Approved By | Job Number 2486300

Sheet Number
S&C A3-1.1



COLOR FAMILY BAND 5

SYMBOL	USE	BRICK
F1	FIELD	BRICK F1
B	LT. ACCENT	BRICK B

COLOR FAMILY BAND 4

SYMBOL	USE	BRICK
F1	FIELD	BRICK F1
A	LIGHT ACCENT	BRICK A
C	DARK ACCENT	BRICK C

COLOR FAMILY BAND 3

SYMBOL	USE	BRICK
F1	FIELD	BRICK F1
A	LIGHT ACCENT	BRICK A
B	MEDIUM ACCENT	BRICK B
D	DARK ACCENT	BRICK D

COLOR FAMILY BAND 2

SYMBOL	USE	BRICK
F1	FIELD	BRICK F1
B	LIGHT ACCENT	BRICK B
D	DARK ACCENT	BRICK D

COLOR FAMILY BAND 1

SYMBOL	USE	BRICK
F1	FIELD	BRICK F1
A	LIGHT ACCENT	BRICK A
C	MEDIUM ACCENT	BRICK C
E	DARK ACCENT	BRICK E

COLOR FAMILY BAND 0

SYMBOL	USE	BRICK
F2	FIELD	BRICK F2
B	LIGHT ACCENT	BRICK B
E	DARK ACCENT	BRICK E

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PCC II

SHELL AND CORE PACKAGE VOLUME II

STATE OF ALASKA 49TH
Richard G. Buckley
No. A 10006
REGISTERED PROFESSIONAL ARCHITECT

Number	Date	By	Description of Revisions

Sheet Title
ELEVATION DETAILS
BRICK PATTERNS
BRICK BANDS AND COLORS

Scale 3/4" = 1'-0"
Designed RD Drawn LB,GF
Date 10/09/00 Checked MB
Approved By Job Number 24860.00

Sheet Number

S&C A3-1.2

W:\24860.00\Dwg S&C\S&C A3-1.2.dwg
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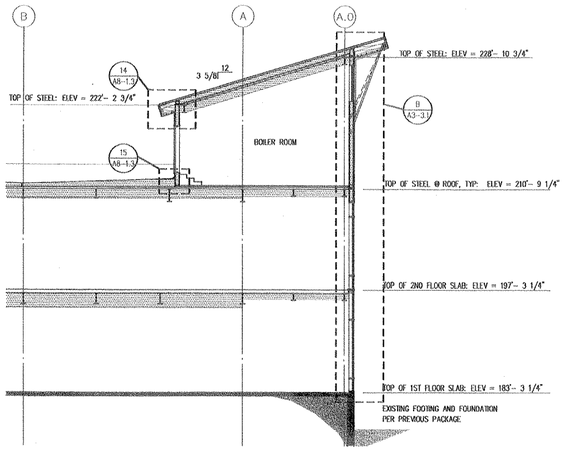

3 **EAST - WEST PARTIAL BUILDING SECTION**
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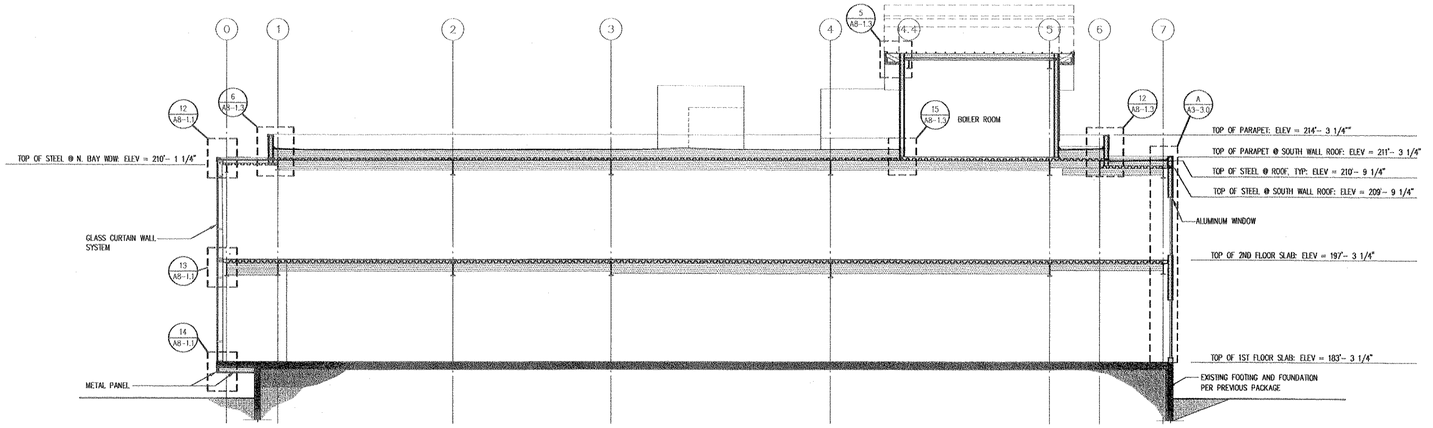

1 **NORTH - SOUTH BUILDING SECTION**
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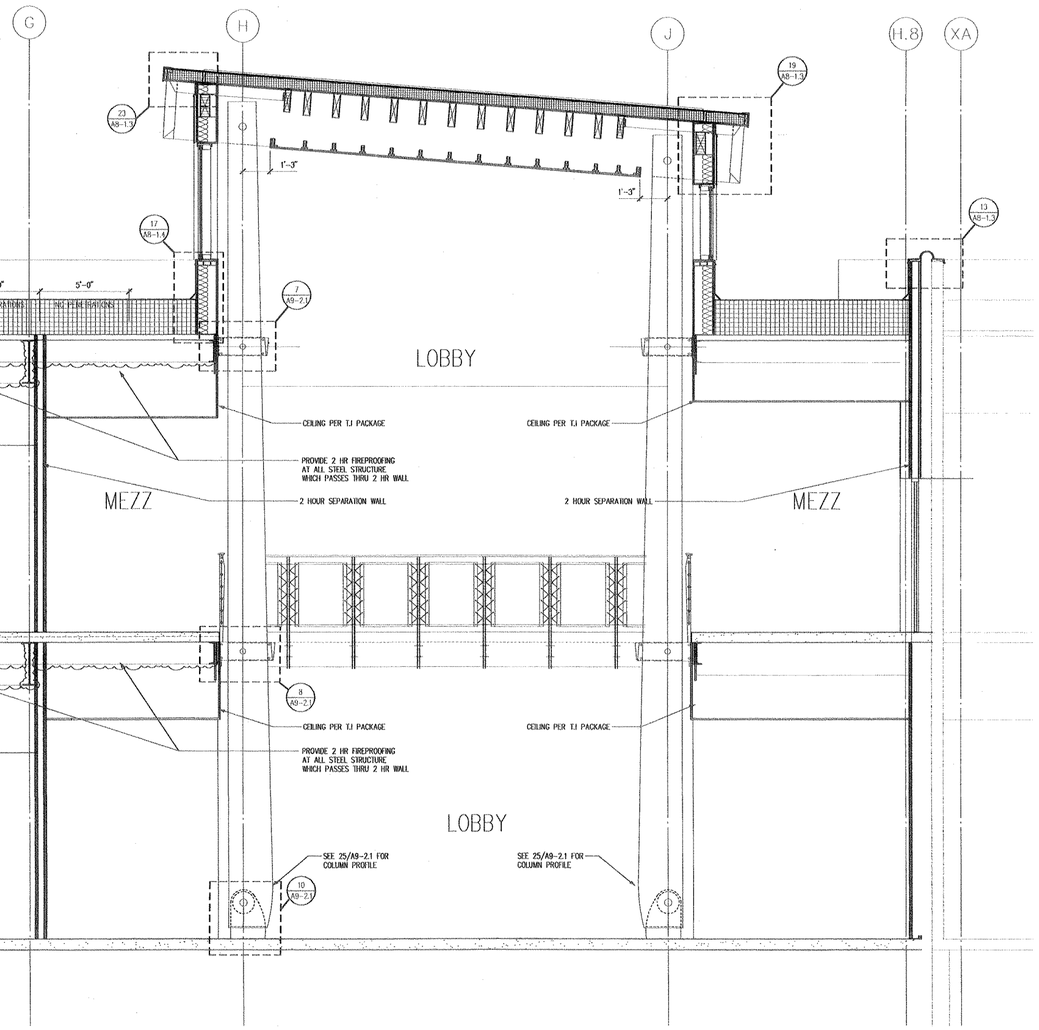

2 **EAST - WEST BUILDING SECTION**
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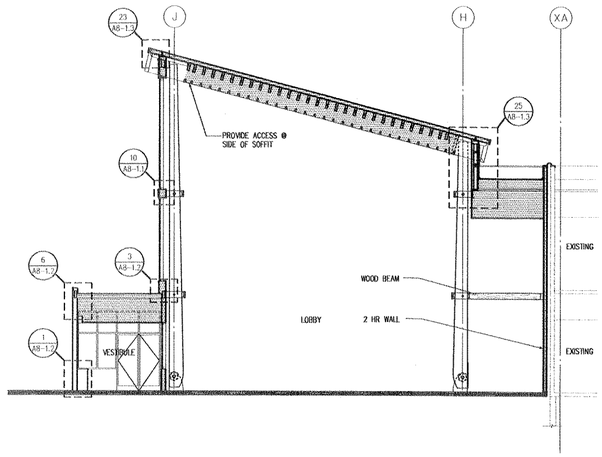

4 **EAST - WEST BUILDING SECTION**
SCALE: 1/8" = 1'-0" M:\24863_00\DWG S&C\S&C A3-2_0.DWG

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PCC II

SHELL AND CORE PACKAGE VOLUME II

STATE OF ALASKA 49TH Richard G. Buckley No. A 10008 REGISTERED PROFESSIONAL ENGINEER

Number	Date	By	Description of Revisions

Sheet Title
BUILDING SECTIONS PCC II

Scale VARIES
Designed RD Drawn MB
Date 10/09/00 Checked AF
Approved By Job Number 24863.00

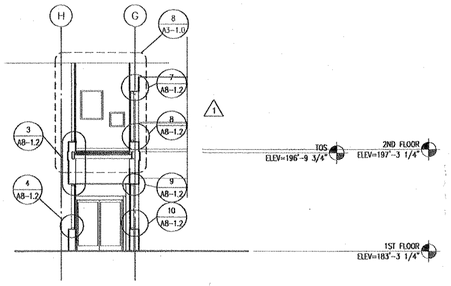
Sheet Number
S&C A3-2.0

M:\24863_00\Dwg S&C\S&C A3-2_0.dwg | DATE: 10/09/00 | TIME: 15:43
PLOTTED FOR: R14 | USER: CPJ

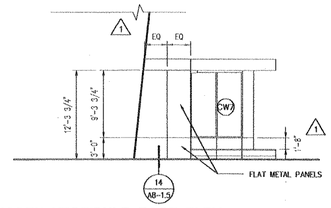
FLAT METAL PANEL GENERAL NOTES

1. FIELD VERIFY ALL DIMENSIONS.
2. ALL MULLIONS AND METAL PANELS TO BE MTL-4 UNO
3. SEE SHEET A8-1.0 FOR METAL WINDOW TYPES AND OTHER FLAT METAL PANELS
4. METAL PANEL JOINTS TO ALIGN WITH MULLION CENTER LINES EXCEPT AT OPENING EDGES AT WHICH PANEL JOINTS WILL ALIGN WITH OPENING

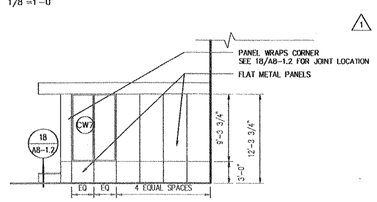
5 NOT USED
1/8"=1'-0"



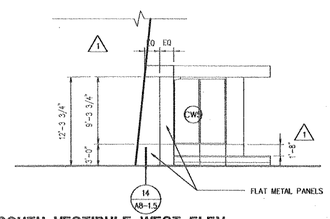
6 NORTH VESTIBULE SOUTH ELEVATION/SECTION
1/8"=1'-0"



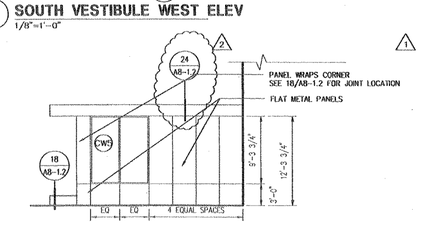
7 NORTH VESTIBULE EAST ELEV
1/8"=1'-0"



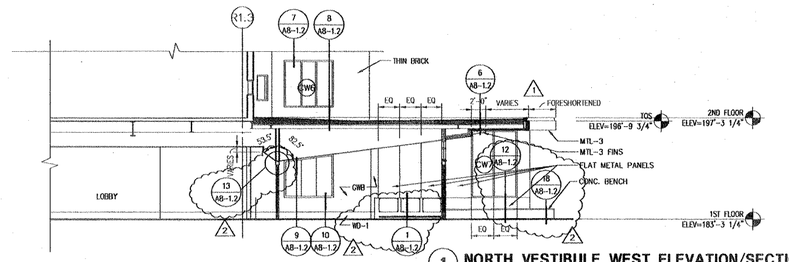
8 NORTH VESTIBULE WEST ELEV
1/8"=1'-0"



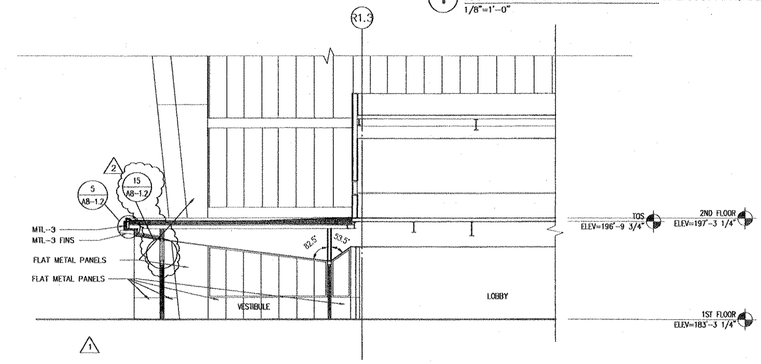
9 SOUTH VESTIBULE WEST ELEV
1/8"=1'-0"



10 SOUTH VESTIBULE EAST ELEV
1/8"=1'-0"



1 NORTH VESTIBULE WEST ELEVATION/SECTION
1/8"=1'-0"



2 NORTH VESTIBULE EAST ELEVATION/SECTION
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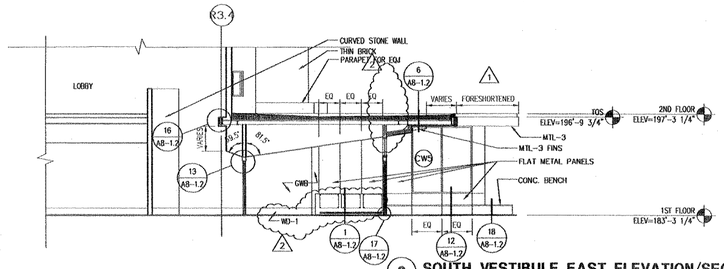
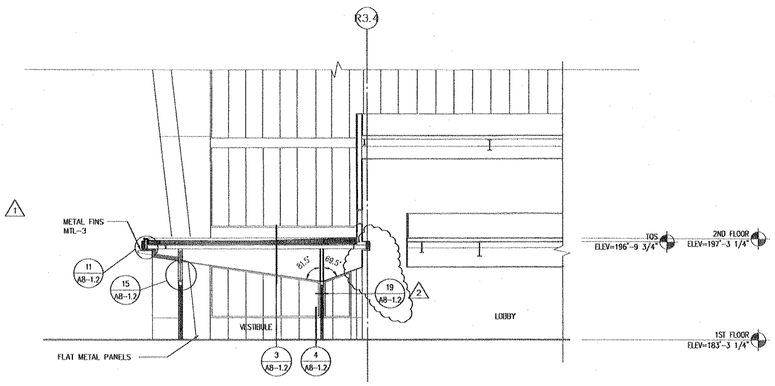


3 SOUTH VESTIBULE EAST ELEVATION/SECTION
1/8"=1'-0"



4 SOUTH VESTIBULE WEST ELEVATION/SECTION
1/8"=1'-0"

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PCC II

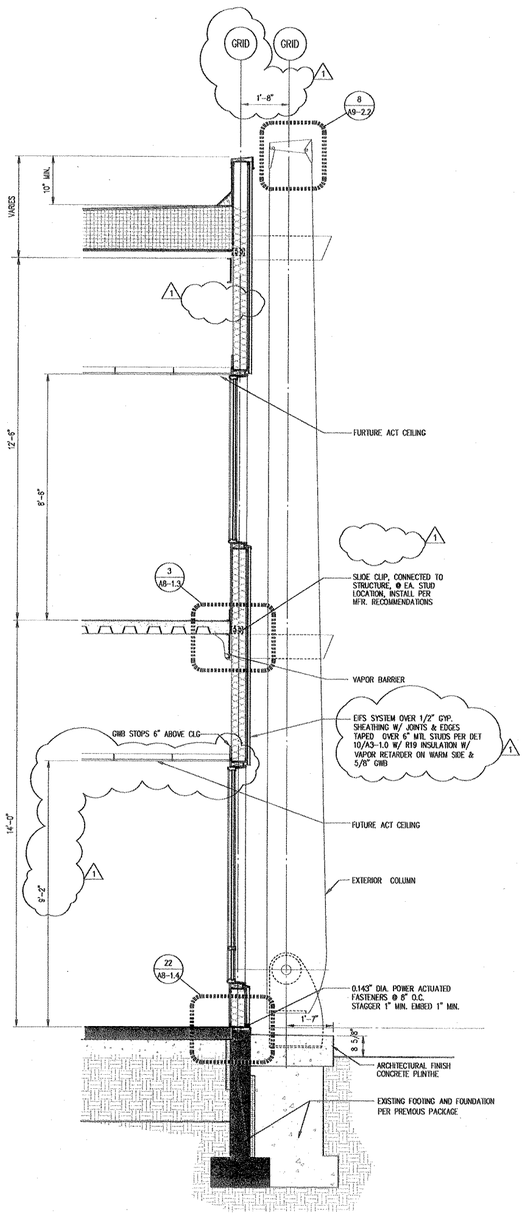
SHELL AND CORE PACKAGE VOLUME II

Number	Date	By	Description of Revisions
2	11/29/00	RAL	REVISION ASI #18
1	11/15/00	RAL	REVISION ASI #16

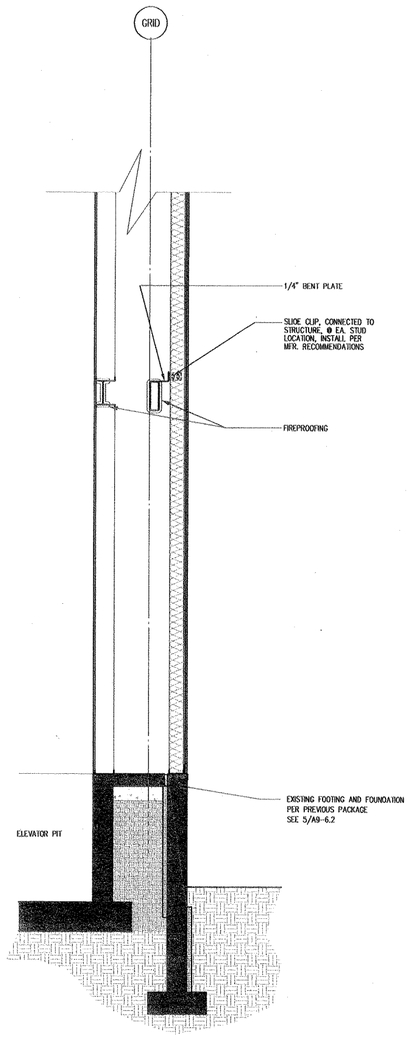
Sheet Title
VESTIBULE SECTIONS

Scale 1/8" = 1'-0"
Designed RD Drawn ARF
Date 10/09/00 Checked RL
Approved By Job Number 24863.00

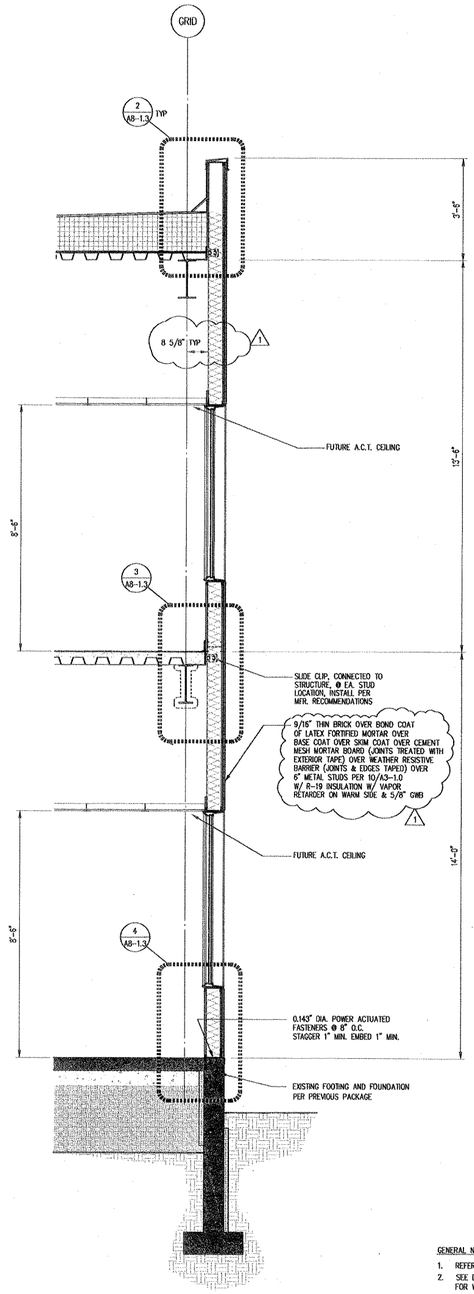
Sheet Number
S&C A3-2.1



C **EXTERIOR WALL @ EIFS CIRCLE**
SCALE: 1/2" = 1'-0"



B **PARTIAL EXTERIOR WALL @ ELEVATOR PIT**
SCALE: 1/2" = 1'-0"



GENERAL NOTE:

1. REFER TO STRUCTURAL DRAWINGS
2. SEE DETAIL 10/A3-1.0 FOR WALL FRAMING DETAILS

A **TYPICAL EXTERIOR WALL @ THIN BRICK**
SCALE: 1/2" = 1'-0"

A1 **NEW THIN BRICK WALL @ EXISTING BLDG.**
SCALE: 1/2" = 1'-0"

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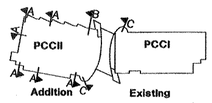
PCC II

SHELL AND CORE PACKAGE VOLUME II



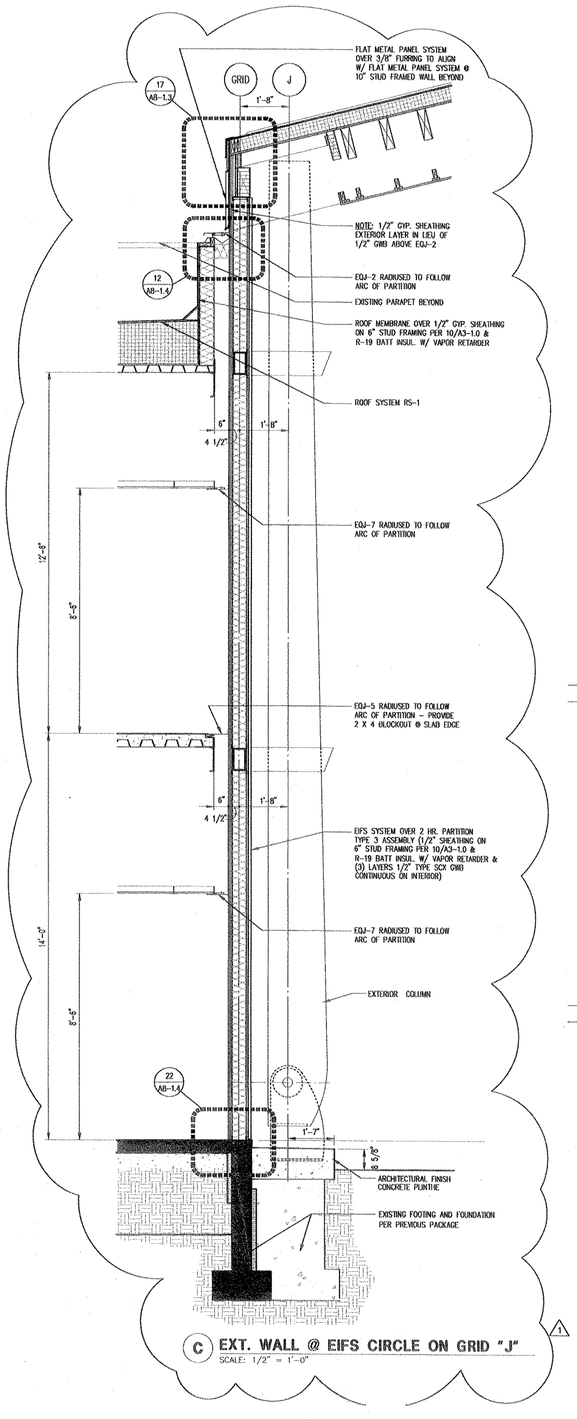
Key Plan
NTS

Number	Date	By	Description of Revisions
1	11/15/00	AEL	REVISION ASI #16

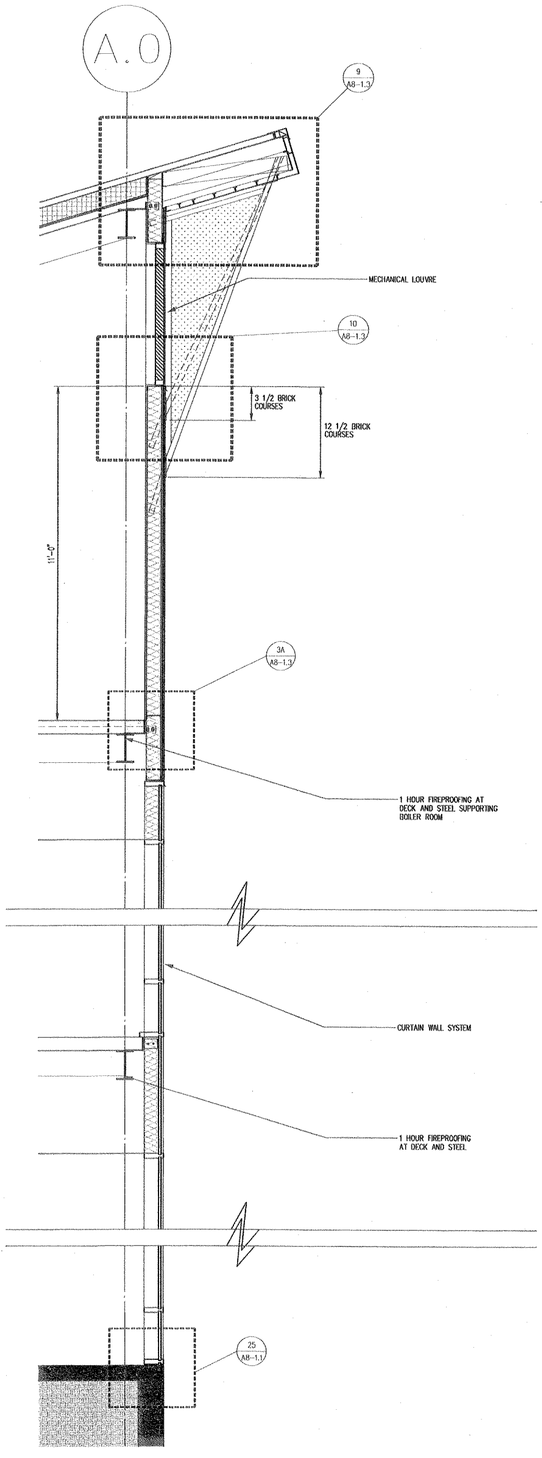
Sheet Title
WALL SECTIONS

Scale
Designed — Drawn
Date 10/09/00 — Checked
Approved By — Job Number 2486300

Sheet Number
S&C A3-3.0



C EXT. WALL @ EIFS CIRCLE ON GRID "J"
SCALE: 1/2" = 1'-0"



B BOILER ROOM WALL SECTION
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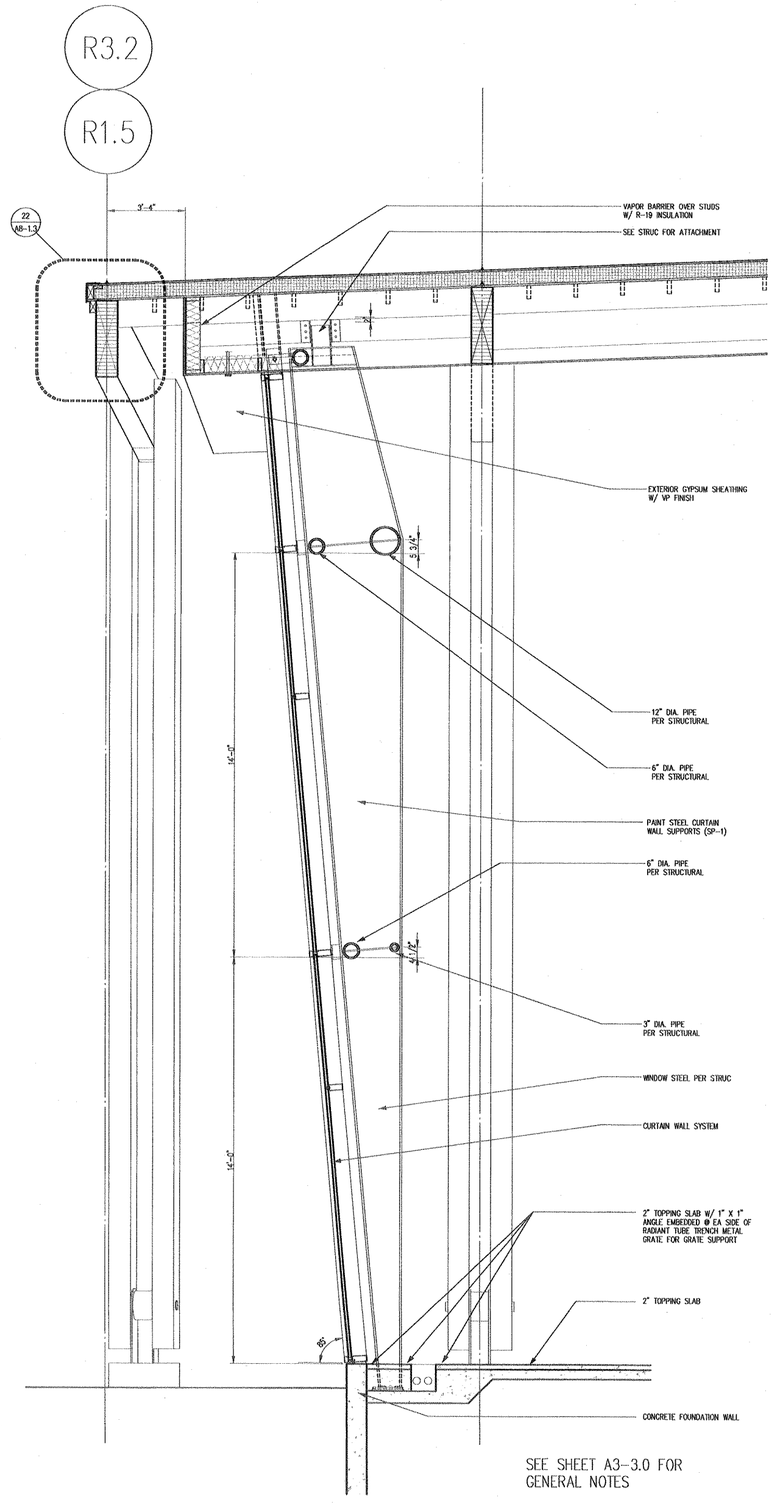

A CURTAIN WALL SECTION - N-S
SCALE: 1/2" = 1'-0"

SEE SHEET A3-3.0 FOR GENERAL NOTES

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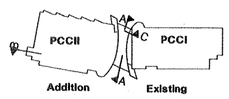
PCC II

SHELL AND CORE PACKAGE VOLUME II



Key Plan
NTS

Number	Date	By	Description of Revisions
1	11/15/00	AEL	REVISION ASI #16

Sheet Title
WALL SECTIONS

Scale 1/2" = 1'-0"
Designed — Drawn MB
Date 10/09/00 — Checked
Approved By — Job Number 24863.00

Sheet Number
S&C A3-3.1

M:\24863.00\Dwg\S&C\a3-1\S&C A3-3.1.dwg
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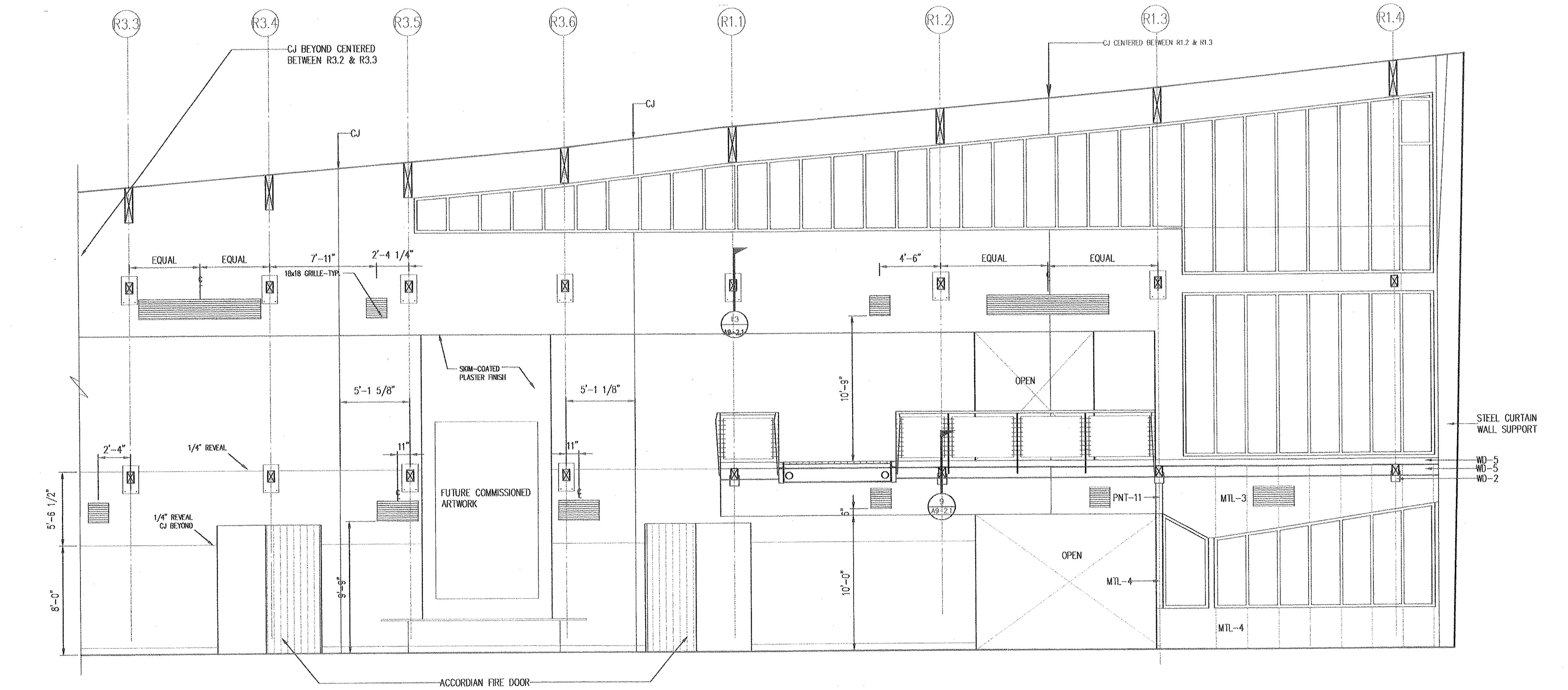

1 LOBBY 1H1-B/BALCONY 2G2-A
WEST

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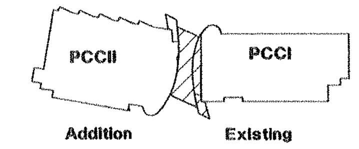
PCC II

SHELL AND CORE PACKAGE VOLUME II

STATE OF ALASKA
49TH
Richard G. Buckley
No. A 10006
REGISTERED PROFESSIONAL ARCHITECT



Key Plan
NTS

Number	Date	By	Description of Revisions

Sheet Title
INTERIOR ELEVATIONS
PCC II LEVEL 1
FOR REFERENCE ONLY

Scale 1/4" = 1'-0"
Designed RD | Drawn SE
Date 10/09/00 | Checked CK, MA
Approved By | Job Number 2486300

Sheet Number

TI A5-1.7

M:\24863_00\Dwg S&C\S&C A5-1_7.dwg
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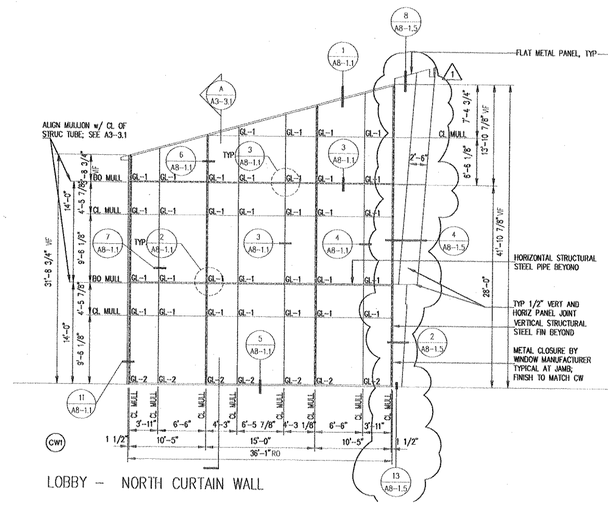
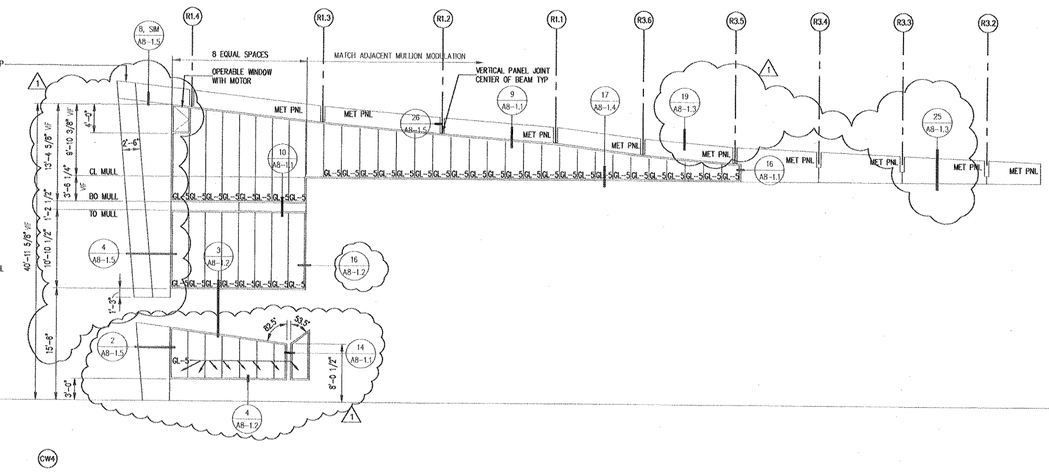


LOBBY – NORTH CURTAIN WALL



LOBBY – WEST CURTAIN WALL

WINDOW & FLAT METAL PANEL GENERAL NOTES

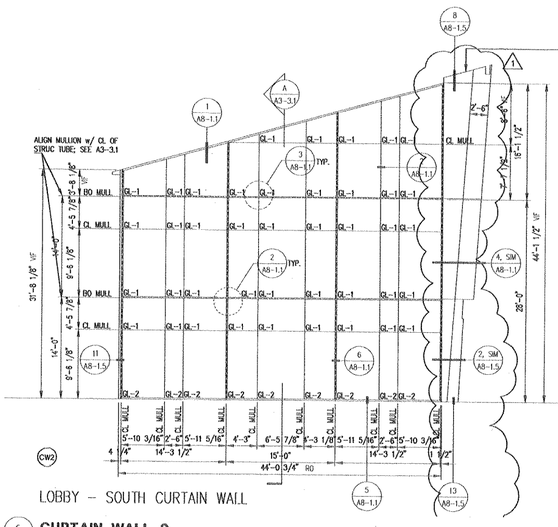
1. "CW" DESIGNATIONS INDICATE GLAZED CURTAIN WALL SYSTEM. SEE SPEC SECTION 08910.
2. "W" DESIGNATIONS INDICATE ALUMINUM WINDOW SYSTEM. SEE SPEC SECTION 08520.
3. "L" DESIGNATION INDICATE LOUVER. SEE SPEC SECTION 10210.
4. "GL-#" DESIGNATION INDICATE GLASS TYPE. SEE SPEC SECTIONS 08800 AND 01900.
5. WINDOW DIMENSION ARE FOR ROUGH OPENING DIMENSIONS OVERALL AND MULLION DIMENSIONS.
6. "BO MULL" INDICATES DIMENSION TO BOTTOM OF MULLION.
   "CL MULL" INDICATES DIMENSION TO CENTERLINE OF MULLION.
   "TO MULL" INDICATES DIMENSION TO TOP OF MULLION.
7. "SF" DESIGNATION INDICATE STOREFRONT DOOR SYSTEM. SEE SPEC SECTION 08515.
8. SINGLE LINE GLASS MULLION INDICATES NO MULLION CAP ❶ EXTERIOR.
9. DOUBLE LINE GLASS MULLION INDICATES MULLION CAP ❶ EXTERIOR.
10. FIELD VERIFY ALL DIMENSIONS.
11. DIMENSIONS FOR CW1 & CW2 ARE IN THE VERTICAL PLANE.
12. ALL MULLIONS AND METAL PANELS TO BE MTL-4 UNO
13. SEE SHEET A3-2.1 FOR METAL PANELS AT VESTIBULES
14. ALL CURTAIN WALL SNAP COVERS 9/16" UNO
15. ALL OPENINGS IN THIN BRICK WALL TO ALIGN WITHIN THE MASONRY MODULE. COORDINATE DIMENSIONS WITH ACTUAL MASONRY MODULES OF EXISTING BUILDING.

LEGEND

STANDARD CAP

5 CURTAIN WALL 1

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



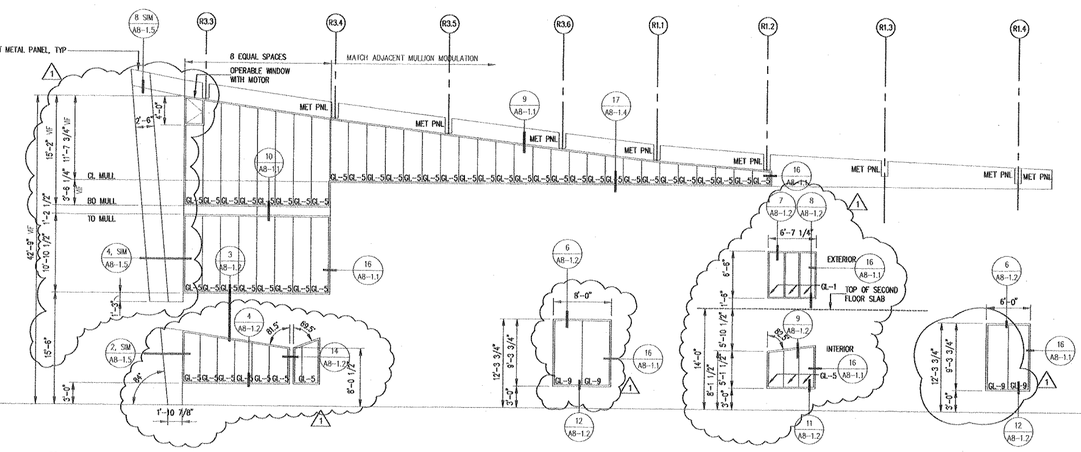
LOBBY – SOUTH CURTAIN WALL

6 CURTAIN WALL 2

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

CURTAIN WALL 4

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



LOBBY – EAST CURTAIN WALL

4 CURTAIN WALL 3

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

VESTIBULE – SOUTH CURTAIN WALL – EXTERIOR

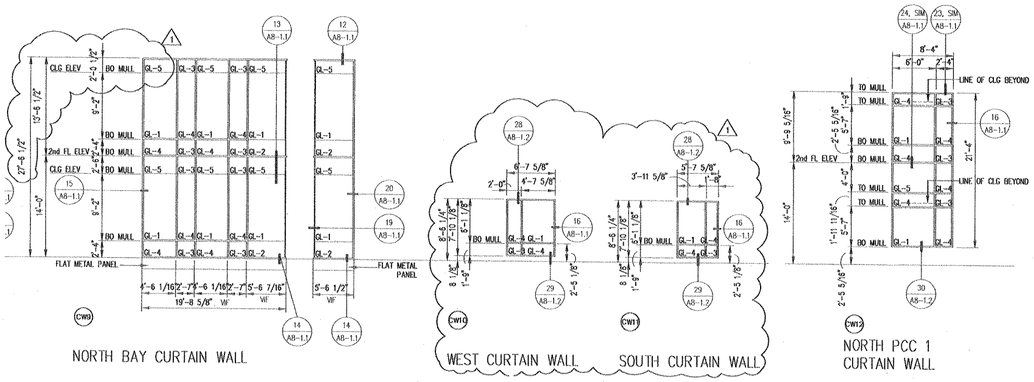
VESTIBULE – NORTH CURTAIN WALL – INTERIOR/EXTERIOR

VESTIBULE – NORTH CURTAIN WALL – EXTERIOR

WEST TOWER CORNER CURTAIN WALL

1 CURTAIN WALL 5, 6, 7, 8

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



NORTH BAY CURTAIN WALL

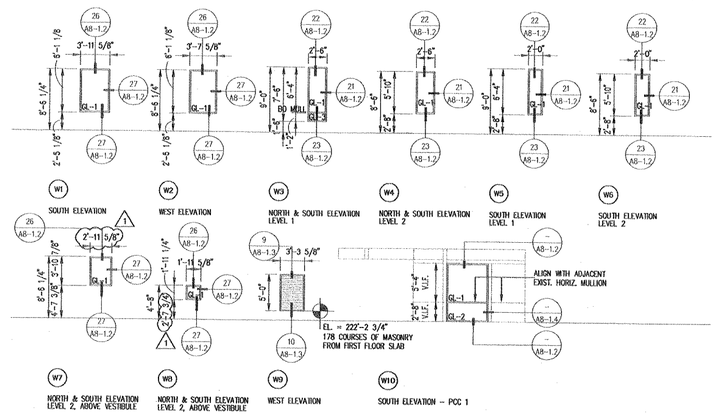
WEST CURTAIN WALL

SOUTH CURTAIN WALL

NORTH PCC 1 CURTAIN WALL

7 CURTAIN WALLS 9, 10, 11, 12

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



2 WINDOW & LOUVER TYPES

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

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PCC II

SHELL AND CORE PACKAGE VOLUME II

Number	Date	By	Description of Revisions
1	11/15/00	RAL/AEL	REVISION ASI #16

Sheet Title
WINDOW TYPES & FLAT METAL PANEL TYPES

Scale 1/8"=1'-0"
Designed RD Drawn BRL/RL
Date 10/09/00 Checked MB
Approved By Job Number 2486300

Sheet Number

S&C A8-1.0

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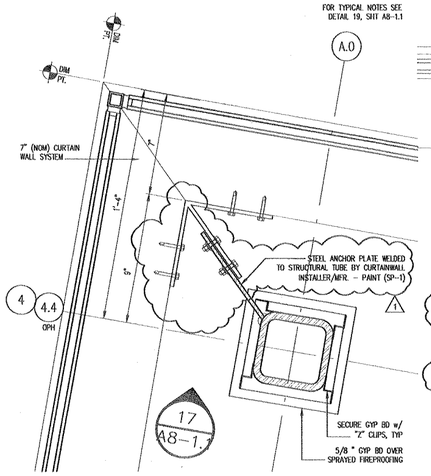
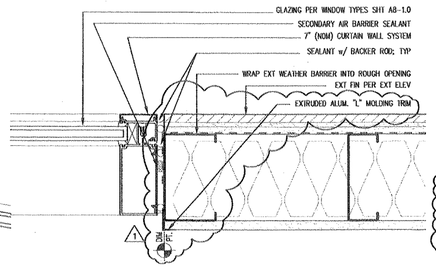
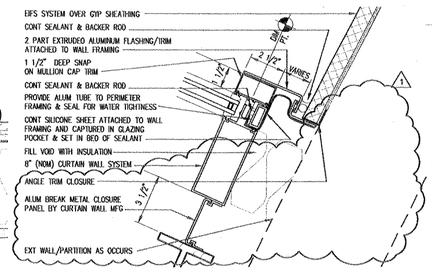


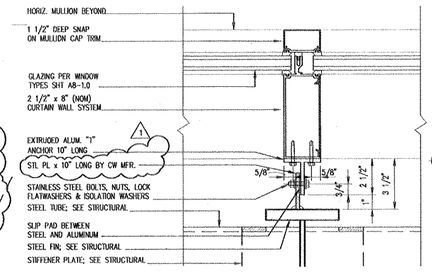
22 TOWER - CW CORNER JAMB & STRUC TUBE
SCALE: 3" = 1'-0"



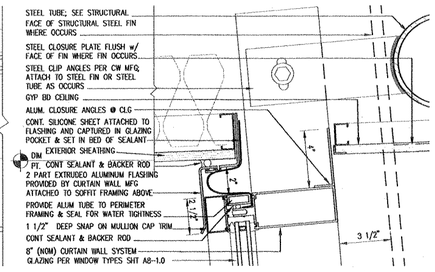
16 TYP. - CURTAIN WALL JAMB
SCALE: 3" = 1'-0"



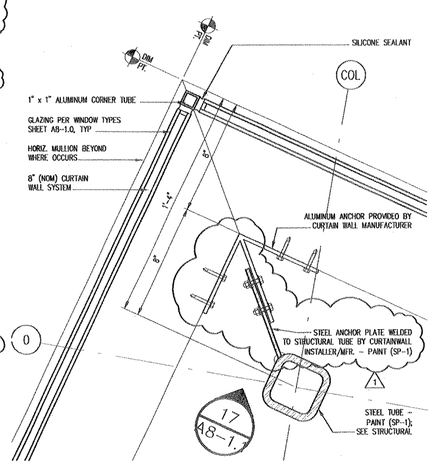
11 LOBBY - N/S CURTAIN WALL JAMB
SCALE: 3" = 1'-0"



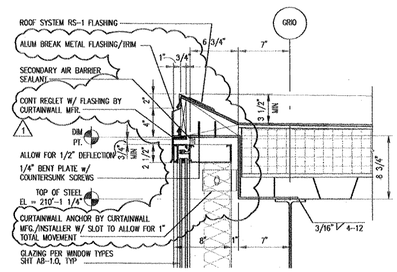
6 LOBBY - N/S CW VERT MULLION @ FIN
SCALE: 3" = 1'-0"



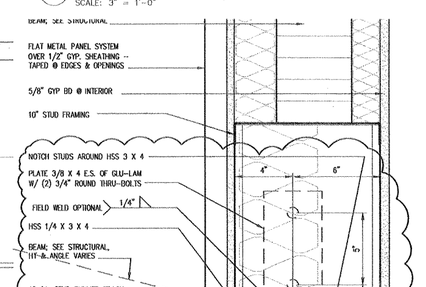
1 LOBBY - N/S CURTAIN WALL HEAD
SCALE: 3" = 1'-0"



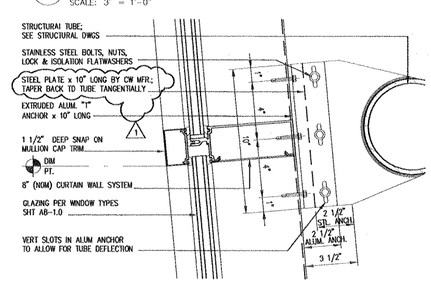
17 TOWER/BAY - CON @ TUBE TO HORIZ MUL
SCALE: 3" = 1'-0"



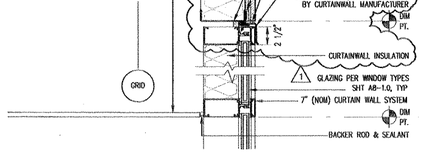
12 BAY - CURTAIN WALL HEAD
SCALE: 1 1/2" = 1'-0"



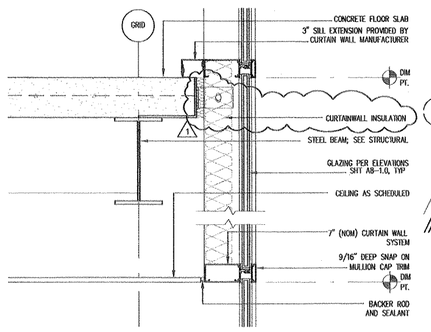
7 LOBBY - N/S CW VERT MULLION @ TUBE
SCALE: 3" = 1'-0"



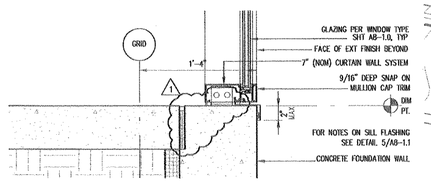
2 LOBBY - N/S CW STRUC CON @ FIN
SCALE: 3" = 1'-0"



23 TOWER - CURTAIN WALL HEAD
SCALE: 1 1/2" = 1'-0"

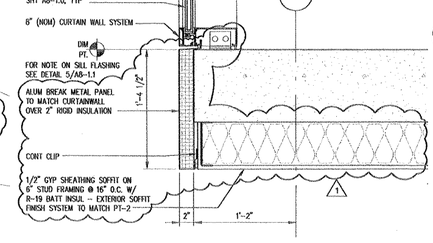


24 TOWER - CURTAIN WALL @ 2nd FLOOR
SCALE: 1 1/2" = 1'-0"

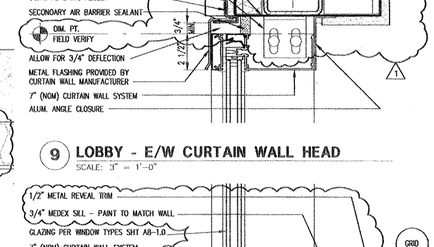


25 TOWER - CURTAIN WALL SILL
SCALE: 1 1/2" = 1'-0"

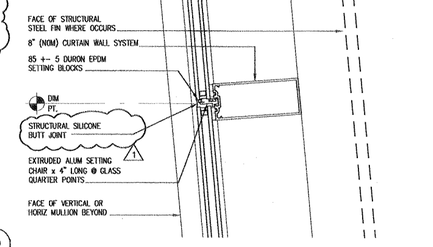
19 BAY - CW CORNER JAMB & STRUC TUBE
SCALE: 3" = 1'-0"



14 BAY - CURTAIN WALL SILL
SCALE: 1 1/2" = 1'-0"

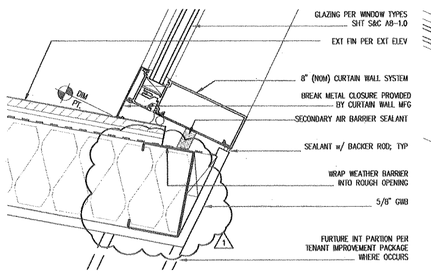


9 LOBBY - E/W CURTAIN WALL HEAD
SCALE: 3" = 1'-0"

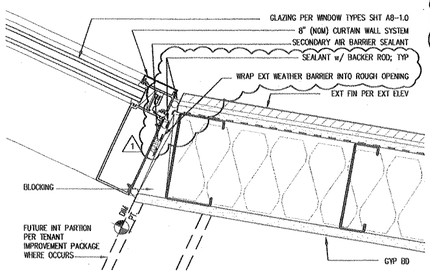


3 LOBBY - N/S CW STRUC CON @ TUBE
SCALE: 3" = 1'-0"

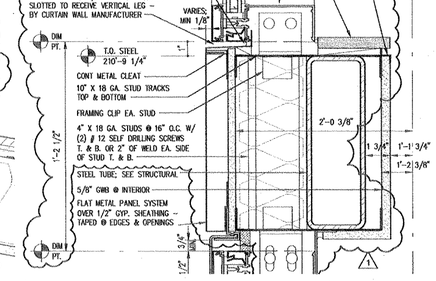
5 LOBBY - N/S CURTAIN WALL SILL
SCALE: 3" = 1'-0"



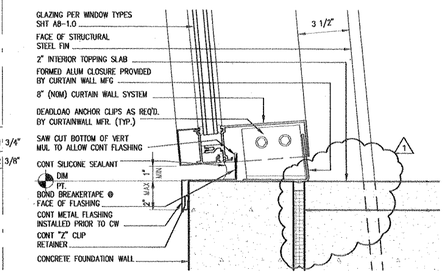
20 BAY - CURTAIN WALL WEST JAMB
SCALE: 3" = 1'-0"



15 BAY - CURTAIN WALL EAST JAMB
SCALE: 3" = 1'-0"



10 LOBBY - E/W CURTAIN WALL @ BEAM
SCALE: 3" = 1'-0"



4 LOBBY - N/S CURTAIN WALL MULLION
SCALE: 3" = 1'-0"

NBBJ
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Seattle, Washington 98104
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PCC II

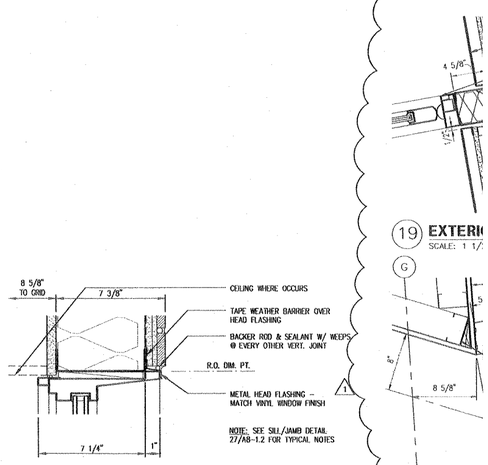
SHELL AND CORE PACKAGE VOLUME II

Number	Date	By	Description of Revisions
1	11/15/00	AEL	REVISION AS #16

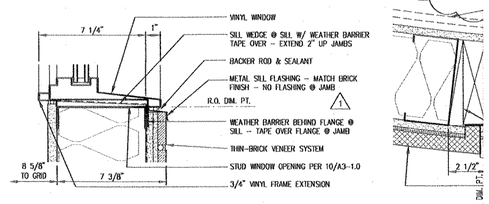
Sheet Title
EXTERIOR GLAZING DETAILS

Scale 1 1/2" = 1'-0"
Designed HD — Drawn BRL
Date 10/09/00 — Checked AEL
Approved By — Job Number 2486300

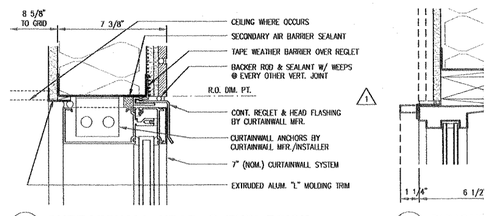
Sheet Number
S&C A8-1.1



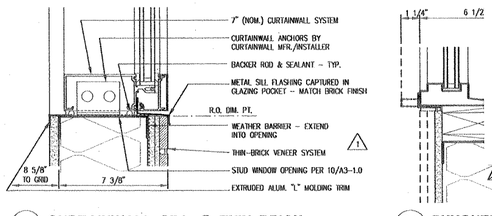
26 **PUNCH WINDOW HEAD @ THIN BRICK**
SCALE: 3" = 1'-0"



27 **PUNCH WINDOW SILL/JAMB @ THIN BRICK**
SCALE: 3" = 1'-0"



28 **CURTAINWALL HEAD @ THIN BRICK**
SCALE: 3" = 1'-0"
M:\24863_00\DET\08WD\W01.DWG



29 **CURTAINWALL SILL @ THIN BRICK**
SCALE: 3" = 1'-0"
M:\24863_00\DET\08WD\W01.DWG

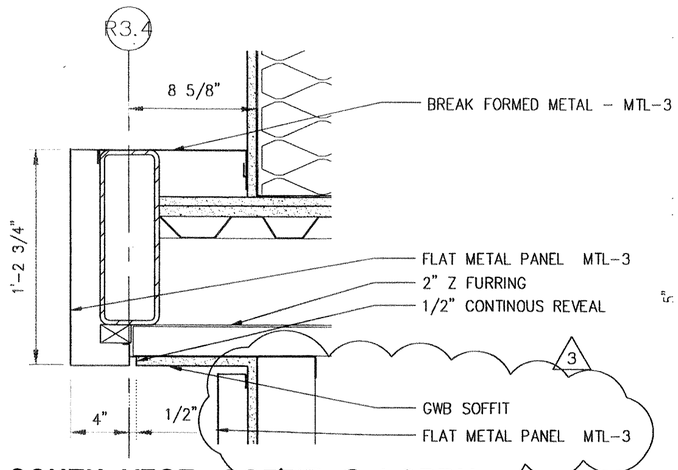
19 **EXTERI**
SCALE: 1 1/

20 **DOOR**
SCALE: 1 1/

21 **PUNCHE**
SCALE: 3" =

22 **PUNCHE**
SCALE: 3" =

23 **PUNCHED WINDOW SILL @ EIFS**
SCALE: 3" = 1'-0"



16 **SOUTH VEST. SOFFIT @ LOBBY**
SCALE: 1 1/2" = 1'-0"
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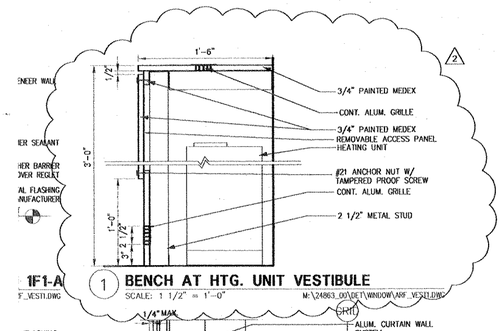

1 **BENCH AT HTG. UNIT VESTIBULE**
SCALE: 1 1/2" = 1'-0"
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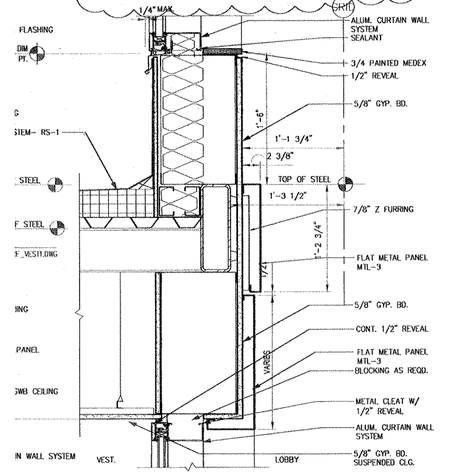

3 **SILL / HEAD DETAIL**
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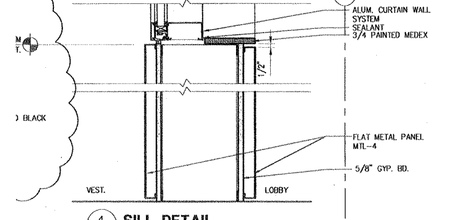
M:\24863_00\DET\WINDOW\ARF_VEST1.DWG



4 **SILL DETAIL**
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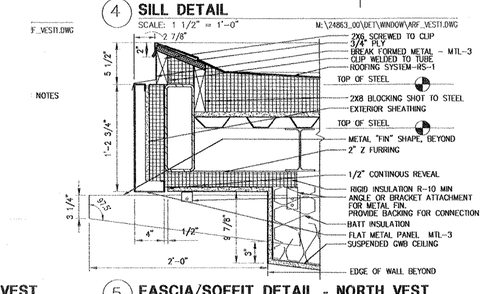
M:\24863_00\DET\WINDOW\ARF_VEST1.DWG



5 **FASCIA/SOFFIT DETAIL - NORTH VEST**
SCALE: 1 1/2" = 1'-0"
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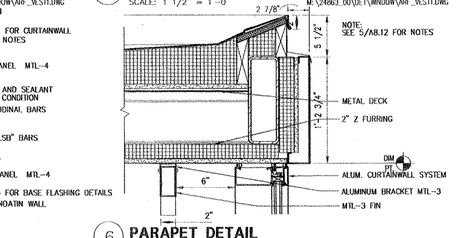
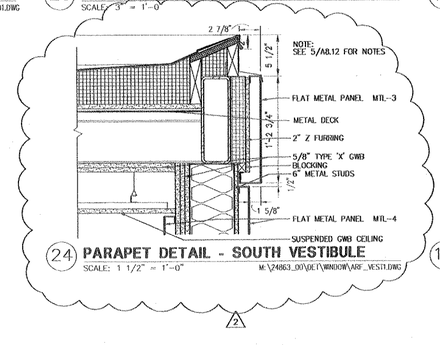
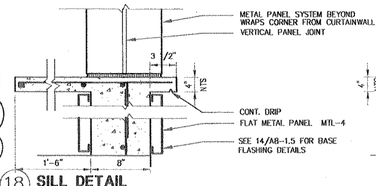


6 **PARAPET DETAIL**
SCALE: 1 1/2" = 1'-0"
M:\24863_00\DET\WINDOW\ARF_VEST1.DWG



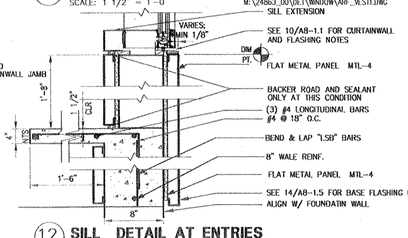
24 **PARAPET DETAIL - SOUTH VESTIBULE**
SCALE: 1 1/2" = 1'-0"
M:\24863_00\DET\WINDOW\ARF_VEST1.DWG

17 **SILL DETAIL**
SCALE: 1 1/2" = 1'-0"
M:\24863_00\DET\WINDOW\ARF_VEST1.DWG



18 **SILL DETAIL**
SCALE: 1 1/2" = 1'-0"
M:\24863_00\DET\WINDOW\ARF_VEST1.DWG

11 **FASCIA/SOFFIT DETAIL- SOUTH VEST**
SCALE: 1 1/2" = 1'-0"
M:\24863_00\DET\WINDOW\ARF_VEST1.DWG



12 **SILL DETAIL AT ENTRIES**
SCALE: 1 1/2" = 1'-0"
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Number	Date	By	Description of Revision
3	12/07/00	RAL	REVISION ASI #19

16
A8-1.2

NBBJ
111 South Jackson Street
Seattle, Washington 98104

SOUTHCENTRAL FOUNDATION
PCC II – ANCHORAGE ALASKA

Scale:
NBBJ Job No. 24863.00

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PCC II

SHELL AND CORE PACKAGE VOLUME II

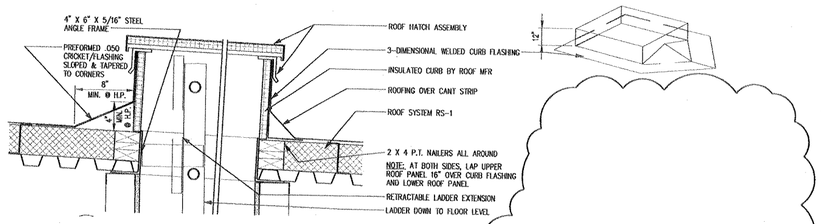
Number	Date	By	Description of Revisions
2	11/29/00	RAL	REVISION ASI #18
1	11/15/00	RAL	REVISION ASI #16

Sheet Title
GLAZING AND VESTIBULE DETAILS

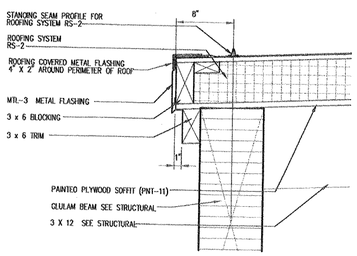
Scale AS NOTED
Designed RD Drawn ARF/AEL
Date 10/09/00 Checked AEL
Approved By Job Number 24863.00

Sheet Number
S&C A8-1.2

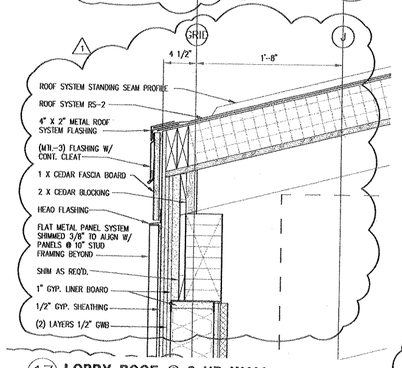
M:\24863_00\Dwg S&C\sht\15 S&C A8-1_2.dwg
XLDATA FOR R14|USER:AEL DATE:11/7/00 TIME:14:38



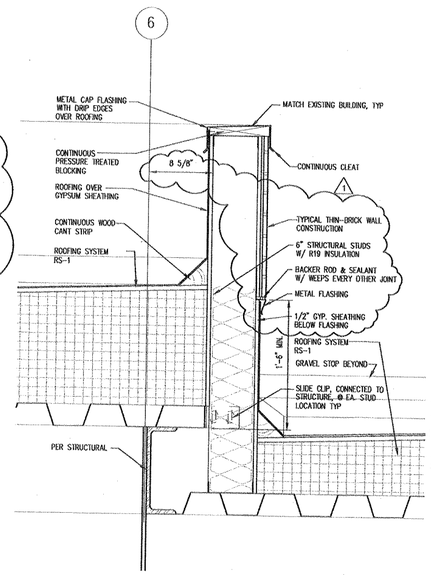
21 ROOF HATCH DETAIL
SCALE: 1 1/2"=1'-0"



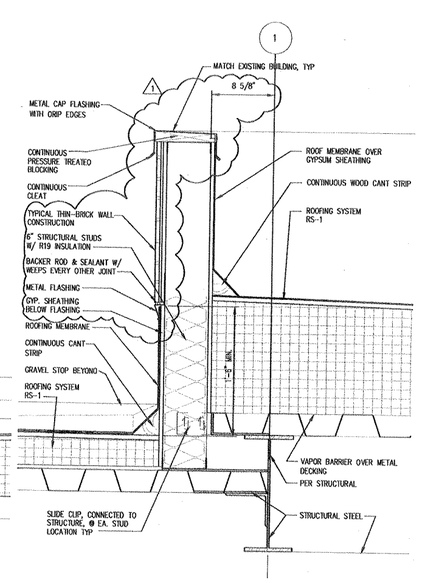
22 LOBBY ROOF @ N & S OVERHANG
SCALE: 1 1/2"=1'-0"



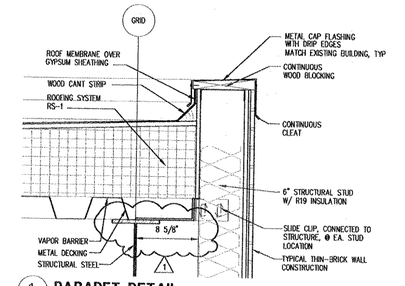
17 LOBBY ROOF @ 2 HR WALL
SCALE: 1 1/2"=1'-0"



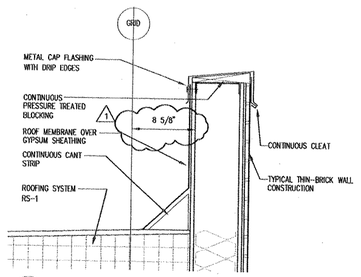
12 PARAPET DETAIL @ SOUTH WALL
SCALE: 1 1/2" = 1'-0"



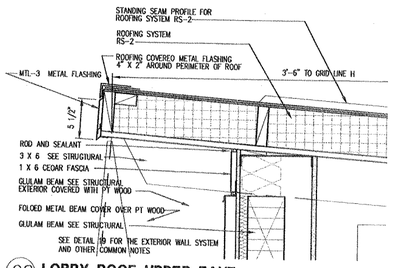
6 PARAPET DETAIL @ NORTH BAYS
SCALE: 1 1/2" = 1'-0"



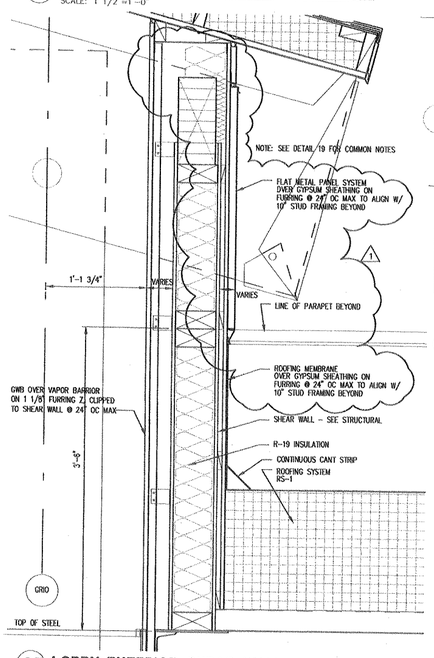
1 PARAPET DETAIL
SCALE: 1 1/2" = 1'-0"



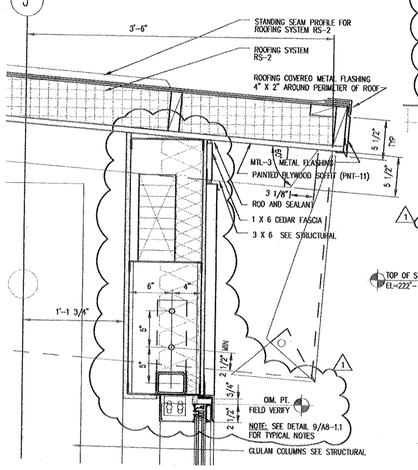
2 PARAPET DETAIL
SCALE: 1 1/2"=1'-0"



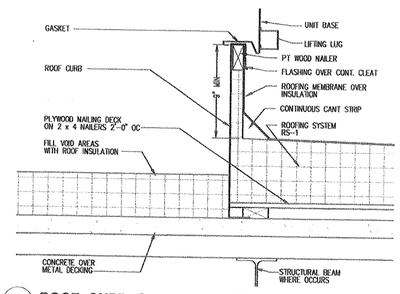
23 LOBBY ROOF UPPER EAVE
SCALE: 1 1/2"=1'-0"



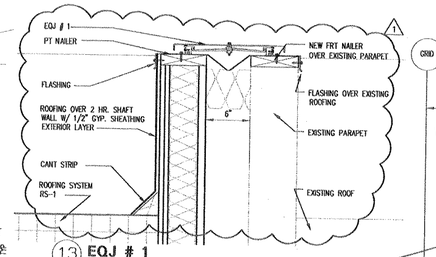
25 LOBBY EXTERIOR SHEAR WALL
SCALE: 1 1/2"=1'-0"



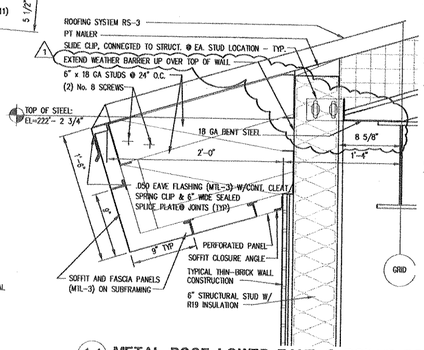
19 LOBBY ROOF LOWER EAVE
SCALE: 1 1/2"=1'-0"



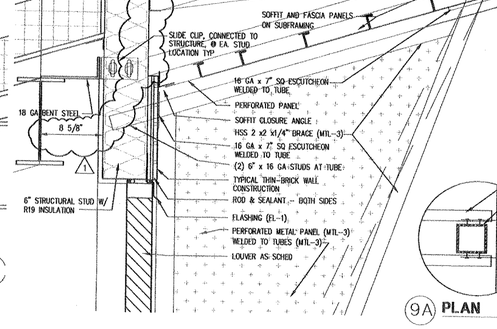
20 ROOF CURB @ MECHANICAL UNIT
SCALE: 1 1/2"=1'-0"



13 EQJ # 1
SCALE: 1 1/2"=1'-0"

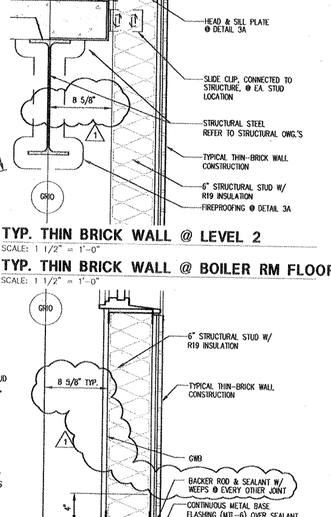


14 METAL ROOF LOWER EAVE @ BOILER ROOM
SCALE: 1 1/2"=1'-0"



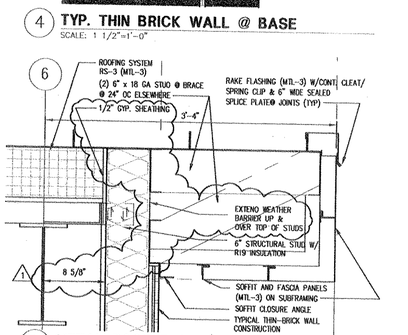
9 METAL ROOF UPPER EAVE AND LOUVER HEAD
SCALE: 1 1/2"=1'-0"

9A PLAN

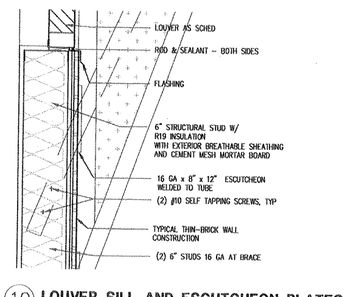


3 TYP. THIN BRICK WALL @ LEVEL 2
SCALE: 1 1/2" = 1'-0"

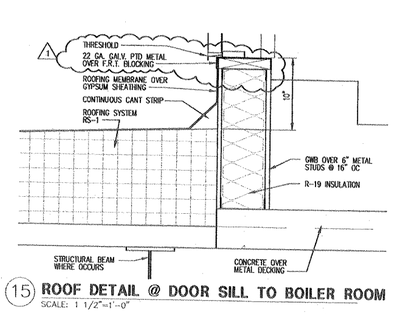
3A TYP. THIN BRICK WALL @ BOILER RM FLOOR
SCALE: 1 1/2" = 1'-0"



5 METAL ROOF RAKE DETAIL
SCALE: 1 1/2"=1'-0"



10 LOUVER SILL AND ESCUTCHEON PLATES
SCALE: 1 1/2"=1'-0"



15 ROOF DETAIL @ DOOR SILL TO BOILER ROOM
SCALE: 1 1/2"=1'-0"

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PCC II

SHELL AND CORE PACKAGE VOLUME II

Number	Date	By	Description of Revisions
1	11/15/00	RAL/AEL	REVISION ASI #16

Sheet Title
EXTERIOR ROOF AND WALL DETAILS

Scale	1 1/2" = 1'-0" UNO
Designed	RD
Drawn	WH
Date	10/09/00
Checked	MB
Approved By	
Job Number	2486300

Sheet Number
S&C A8-1.3

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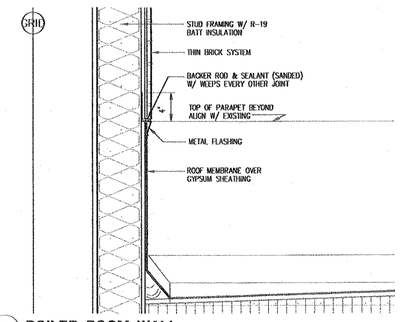
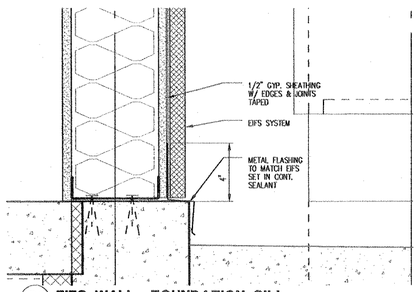
PLOTDATA FOR R14/USER: MLB
DATE: 11/17/00 TIME: 08:01



16 **BOILER ROOM WALL**
SCALE: 1 1/2" = 1'-0" M:\24863_00\DWG S&C\AS16\S&C A8-1_4.DWG



22 **EIFS WALL FOUNDATION SILL**
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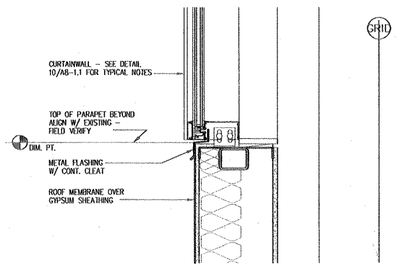

17 **LOBBY - E/W CURTAIN WALL SILL**
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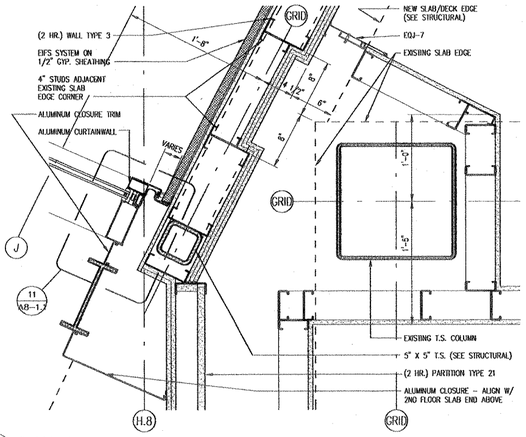

11 **SEISMIC JOINT**
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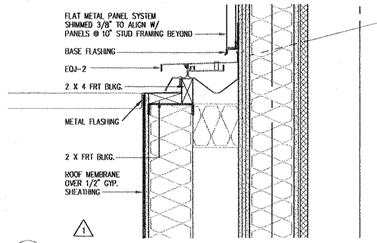
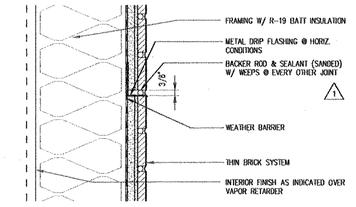
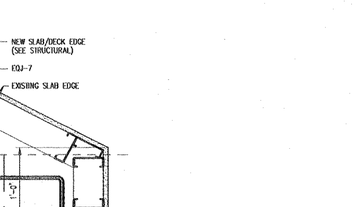


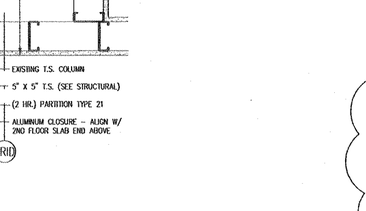
12 **SEISMIC JOINT**
SCALE: 1 1/2" = 1'-0" M:\24863_00\DWG S&C\AS16\S&C A8-1_4.DWG



7 **THIN BRICK CONTROL JOINT**
SCALE: 3" = 1'-0" M:\24863_00\DET\WALL-JOINTS.DWG



8 **EIFS SYSTEM REVEAL**
SCALE: 3" = 1'-0" M:\24863_00\DET\WALL-JOINTS.DWG



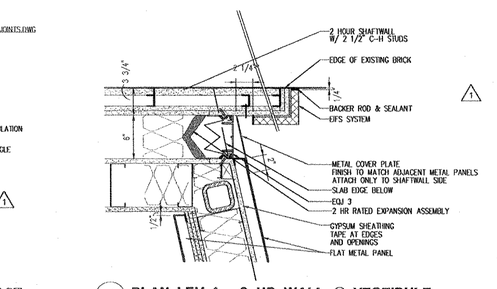
9 **THIN BRICK EXPANSION JOINT**
SCALE: 3" = 1'-0" M:\24863_00\DET\WALL-JOINTS.DWG

10 **SEISMIC JOINT**
SCALE: 1 1/2" = 1'-0" M:\24863_00\DET\05_EQJ_1.DWG

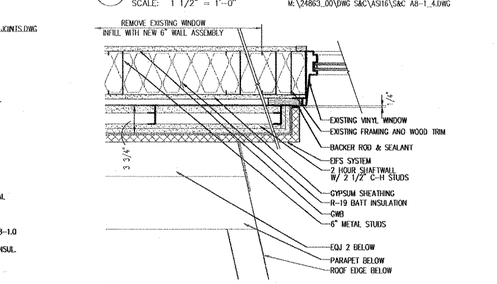
1 **SECTION - VEST. PARAPET TO 2 HR WALL**
SCALE: 1/2" = 1'-0" M:\24863_00\DWG S&C\AS16\S&C A8-1_4.DWG

2 **PLAN LEV 1- 2 HR WALL @ VESTIBULE**
SCALE: 1 1/2" = 1'-0" M:\24863_00\DWG S&C\AS16\S&C A8-1_4.DWG

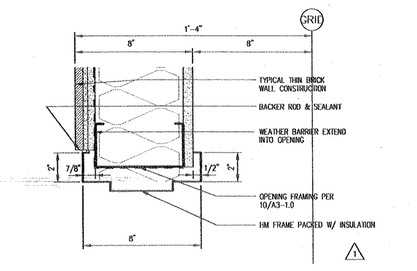
3 **PLAN LEV 2- 2 HR WALL ABOVE VESTIBULE**
SCALE: 1 1/2" = 1'-0" M:\24863_00\DWG S&C\AS16\S&C A8-1_4.DWG



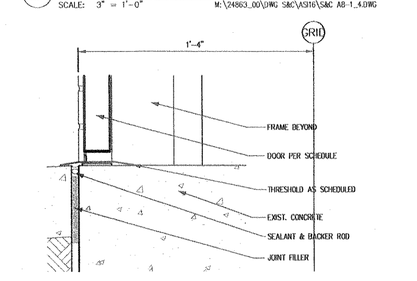
4 **PLAN LEV 1 - 2 HR WALL @ VESTIBULE**
SCALE: 1 1/2" = 1'-0" M:\24863_00\DWG S&C\AS16\S&C A8-1_4.DWG



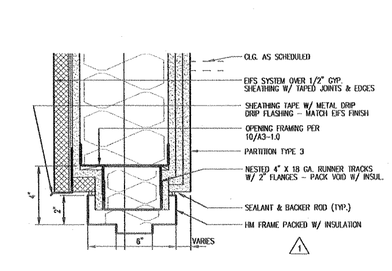
5 **PLAN LEV 2- 2 HR WALL ABOVE VESTIBULE**
SCALE: 1 1/2" = 1'-0" M:\24863_00\DWG S&C\AS16\S&C A8-1_4.DWG



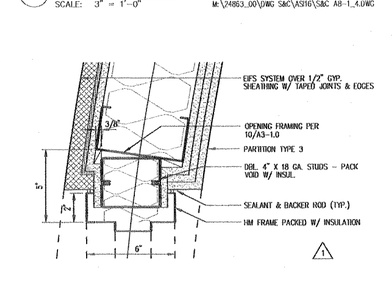
24 **TYPICAL EXTERIOR DOOR JAMB@THIN BRICK**
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\AS16\S&C A8-1_4.DWG



25 **TYPICAL EXTERIOR DOOR SILL@THIN BRICK**
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\AS16\S&C A8-1_4.DWG



24 **TYPICAL EXTERIOR DOOR JAMB@THIN BRICK**
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\AS16\S&C A8-1_4.DWG



25 **TYPICAL EXTERIOR DOOR SILL@THIN BRICK**
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\AS16\S&C A8-1_4.DWG

19 **HEAD @ CURVED EIFS WALL**
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\AS16\S&C A8-1_4.DWG

20 **JAMB @ CURVED EIFS WALL**
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\AS16\S&C A8-1_4.DWG

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PCC II

SHELL AND CORE PACKAGE VOLUME II

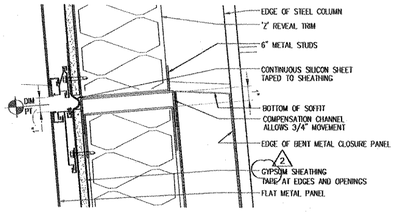
Number	Date	By	Description of Revisions
2	11/29/00	RAL	REVISION ASI #18
1	11/15/00	RAL/AEL	REVISION ASI #16

Sheet Title
MISC. ROOF, EQJ, EXTERIOR DOOR AND WOOD FLASHING DETAILS

Scale VARIES
Designed RD Drawn WH, MB
Date 10/09/00 Checked MB
Approved By Job Number 24863.00

Sheet Number
S&C A8-1.4

M:\24863_00\Dwg S&C\ar\16\S&C A8-1_4.dwg
PLOTDATE FOR R14|USER: AEL DATE: 11/17/00 TIME: 11:50



25 **HORIZONTAL JOINT @ COMP CHANNEL**
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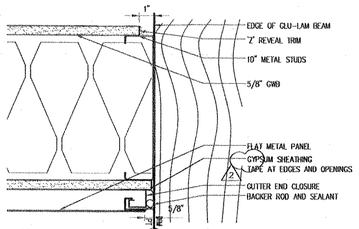

26 **VERTICAL JOINT @ BEAM**
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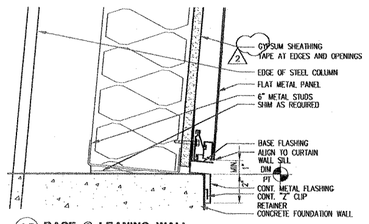
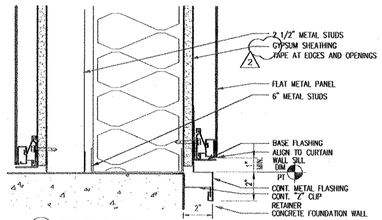
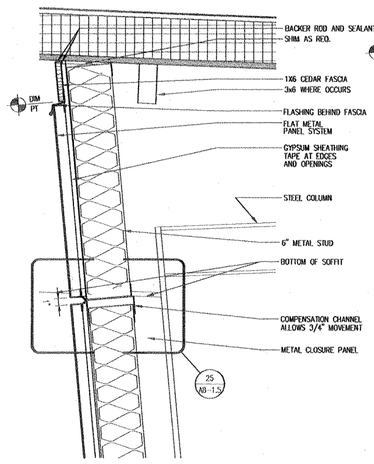


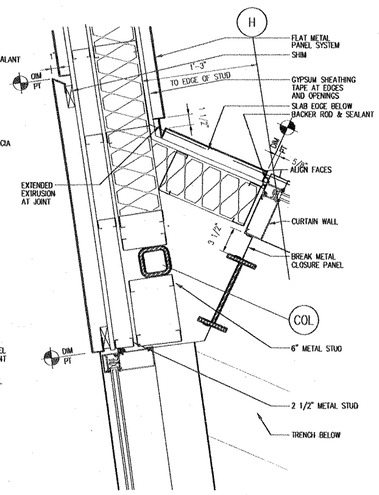
13 **BASE @ LEANING WALL**
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\S&C A8-1_5.DWG



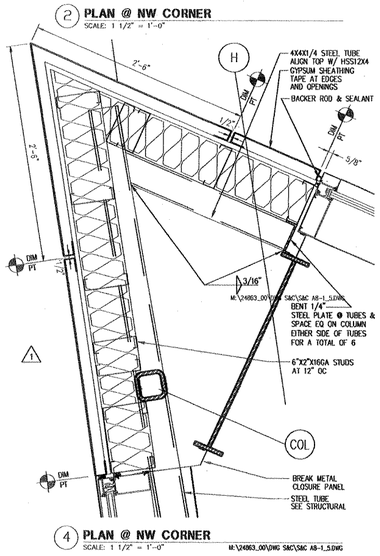
14 **BASE @ VESTIBULE WALL**
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\S&C A8-1_5.DWG



8 **DETAIL @ HEAD**
SCALE: 1 1/2" = 1'-0" M:\24863_00\DWG S&C\S&C A8-1_5.DWG



2 **PLAN @ NW CORNER**
SCALE: 1 1/2" = 1'-0"



4 **PLAN @ NW CORNER**
SCALE: 1 1/2" = 1'-0" M:\24863_00\DWG S&C\S&C A8-1_5.DWG

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PCC II

SHELL AND CORE PACKAGE VOLUME II

Number	Date	By	Description of Revisions
2	11/29/00	RAL	REVISION ASI #18
1	11/15/00	RAL	REVISION ASI #16

Sheet Title
FLAT METAL PANEL DETAILS

Scale VARIES
Designed RD — Drawn RL
Date 10/09/00 — Checked RL
Approved By — Job Number 24863.00

Sheet Number
S&C A8-1.5

M:\24863_00\Dwg S&C\sa18\S&C A8-1_5.dwg
PLOTDATA FOR R14\USER: MLB | DATE: 11/17/00 | TIME: 08:11

	OPENING	SIZE (WIDTH X HT)	LABEL	DOOR TYPE	FRAME TYPE	HDWE GROUP	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	REMARKS
LEVEL 1	1A1-D-1	3-0 X 6-8	--	5-4	B 1	1	23/A8-1.4	24/A8-1.4	25/A8-1.4	TOP OF FRAME – 7'-1" KEYPAD ACCESS FROM EXTERIOR
	1A1-D-2	3-0 X 6-8	60 MIN	2-1	A	2	5/A9-1.0	6/A9-1.0	--	KEYPAD ACCESS FROM STAIR SIDE
	1C3-A	3-0 X 6-8	--	1-1	A	3	5/A9-1.0	4/A9-1.0	--	--
	1E1-B	3-0 X 6-8	45 MIN	1-1	A	4	5/A9-1.0	5/A9-1.0	--	--
	1E6-A-1	3-4 X 6-8	--	5-4	B	5	23/A8-1.4	24/A8-1.4	25/A8-1.4	--
	1F1-A	6-0 X 6-8	90 MIN	PAIR 2-1	A	6	5/A9-1.0	6/A9-1.0	--	(1) 180 DEG. LEAF
	1F2-A-1	3-0 X 6-8	90 MIN	2-1	A	17	5/A8-1.0	4/A9-1.0	--	--
	1F2-A-2	3-0 X 6-8	90 MIN	2-1	A	17	5/A9-1.0	4/A9-1.0	--	--
	1F2-A-3	PER PLAN	--	PER MFR.	PER MFR.	NA	20/A9-3.3	PER MFR.	PER MFR.	OPERABLE PARTITION PER SPEC.
	1F4-A	3-0 X 6-8	90 MIN	1-1	A	7	5/A9-1.0	4/A9-1.0	--	--
	1G4-Y	3-6 X 9-0	90 MIN	1-0	A	11	5/A9-3.3	11/A9-3.3	--	USE FRAME FOR OFFSET HINGE MAGNETIC HOLD OPEN
	1H1-B-1	SEE DOOR TYPE	90 MIN	7-4	--	8	7/A9-3.3	5/A9-3.3	--	KEY SWITCH CONTROL
	1H1-B-2	SEE DOOR TYPE	90 MIN	7-4	--	8	7/A9-3.3	9/A9-3.3	--	KEY SWITCH CONTROL
	1H1-B-3	1-8 X 9-5 3/4	--	1-5	--	16	--	--	--	HORIZ. ACCORDIAN POCKET DOOR, SEE DETAIL 3/A9-3.3
	1H1-B-4	1-8 X 9-5 3/4	--	1-5	--	16	--	--	--	HORIZ. ACCORDIAN POCKET DOOR, SEE DETAIL 10/A9-3.3
	1H1-C-1	6-0 X 7-6 2	--	PAIR 6-3	D	9	15/A8-1.2	20/A8-1.2	17/A8-1.2	OVERHEAD AUTOMATIC OPERATOR WITH MOTION DETECTOR
	1H1-C-2	6-0 X 7-6	--	PAIR 6-3	E	10	13/A8-1.2	14/A8-1.2	--	OVERHEAD AUTOMATIC OPERATOR WITH MOTION DETECTOR
	1H5-A-1	6-0 X 7-6	--	PAIR 6-3	D	9	15/A8-1.2	20/A8-1.2	17/A8-1.2	OVERHEAD AUTOMATIC OPERATOR WITH MOTION DETECTOR
	1H5-A-2	6-0 X 7-6	--	PAIR 6-3	E	10	13/A8-1.2	14/A8-1.2	--	OVERHEAD AUTOMATIC OPERATOR WITH MOTION DETECTOR
	1XAX1-D	3-0 X 6-8	90 MIN	2-1	A	12	*	*	*	MAG HOLD-OPEN
	1XAX1-E	3-0 X 6-8	60 MIN	1-0	B	13	19/A8-1.4	20/A8-1.4	--	KEY ONLY, NO HANDLE AT EXTERIOR
	1XAX1-F	3-0 X 6-8	--	1-0	B	20	5/A9-1.0	4/A9-1.0	--	KEY ONLY, NO HANDLE AT EXTERIOR
	1XAX2-X	7-4 X 6-8	90 MIN	PAIR 2-1	A	6	*	*	*	(1) 135 DEG. LEAF, MAG HOLD-OPENS
	R1F4-B	2-6 X 5-2	90 MIN	--	G	--	16/A9-3.3	17/A9-3.3	16/A9-3.3	RELITE
LEVEL 2	2A1-C	3-0 X 6-8	60 MIN	2-1	A	2	5/A9-1.0	6/A9-1.0	--	KEYPAD ACCESS FROM STAIR SIDE
	2A4-D-1	PER PLAN	--	PER MFR.	PER MFR.	PER MFR.	20A/A9-3.3	PER MFR.	PER MFR.	OPERABLE PARTITION PER SPEC.
	2C3-B	3-0 X 6-8	--	1-1	A	3	5/A9-1.0	4/A9-1.0	--	--
	2F1-A-1	6-0 X 6-8	90 MIN	PAIR 2-1	A	6	5/A9-1.0	6/A9-1.0	--	(1) 180 DEG. LEAF, MAG HOLD-OPENS
	2F1-A-2	6-0 X 6-8	90 MIN	PAIR 2-1	A	14	5/A9-1.0	4/A9-1.0	--	MAG HOLD-OPENS
	2XAX2-X	6-0 X 6-8	90 MIN	PAIR 2-1	A	19	*	*	*	(2) 180 DEG. LEAFS, MAG HOLD-OPENS
	2XAX3-B	3-0 X 6-8	90 MIN	2-1	A	18	*	*	*	--
	--	--	--	--	--	--	--	--	--	--
LEVEL 3	3A5-1	6-0 X 6-8	60 MIN	PAIR 1-0	F	15	23/A8-1.4	24/A8-1.4	15/A8-1.3	--

* REFERS TO DETAILS THAT WILL BE PART OF THE TENANT IMPROVEMENT PACKAGE.

3 DOOR, FRAME AND HARDWARE SCHEDULE

GENERAL NOTES – OPENING SCHEDULE

The following describes information contained in the schedules:

OPENING NUMBER — See Graphics Symbols Index for illustration. Numbers are found on floor plans and relate to room numbering.

OPENING SIZE — Width by height of opening indicated on Frame Elevation Types and Opening Detail drawings. Size may not include portions of doors in pockets or above ceilings or soffits.

LABEL — Fire rating applied to the opening assembly, typically indicated in minutes (e.g., 90 min., 45 min., and 20 min.).

DOOR TYPE — Configuration diagrams are found on the Door Type Schedule. A number followed by "PR" identifies a pair of doors of that type.

GLAZING types are indicated by a GL–# on this Sheet. Refer to Specifications Section 08800.

FRAME TYPE SCHEDULE — Frame sizes are based on the opening sizes UNO.

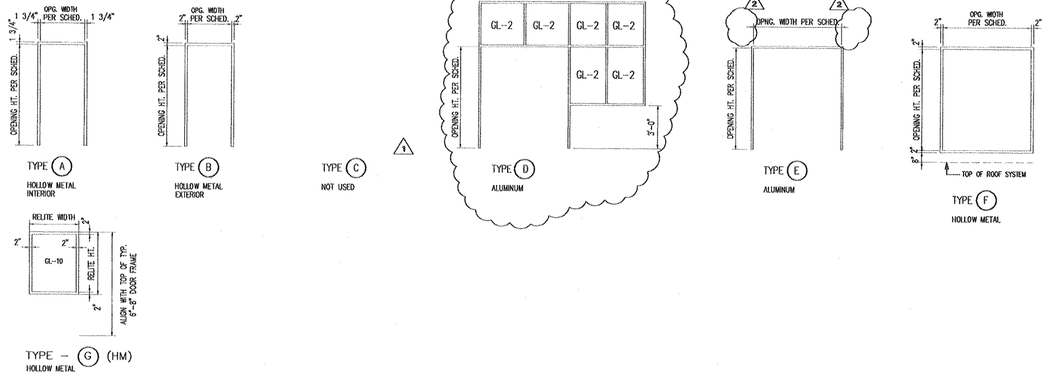
HDWE (Hardware) GROUP: hinges, groups, closers stops, door plates thresholds, and weatherstripping, all described in the specifications section 08700.

REMARKS — Additional information about opening where reference is made to a particular door type or operation, see the appropriate Specification Section.

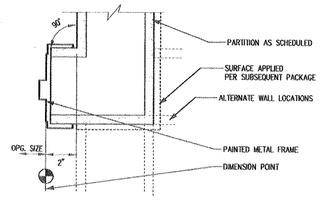
REV — Identifies a revision to the particular opening as indicated on the door type schedule, frame elevations, and the drawings.

		MATERIAL / FINISH	THICKNESS	TYPE–1	TYPE–2	TYPE–3 NOT USED	TYPE–4 NOT USED	TYPE–5	TYPE–6	TYPE–7	TYPE–8 NOT USED
				PER SCHED. / PER SCHED.	PER SCHED. 4"/11" GL–8 GL–8A 2'-1" 3'-6" PER SCHED.	PER SCHED. 1" 1" GL– 3'-6" PER SCHED.	PER SCHED. 11" 11" GL– 3'-6" PER SCHED.	PER SCHED. 3½" 3½" GL–2 3'-6" PER SCHED.	PER SCHED. 3½" 3½" GL–2 12" PER SCHED.	OPG. WIDTH PER PLAN OPG HEIGHT – 8'-6" (HORIZ. ACCORDION DOORS)	PER SCHED. PER SCHED. (COILING FIRE SHUTTER)
0		H.M. PAINT	1-3/4"	1-0							
1		SC.WD. SHADED	1-3/4"	1-1	2-1						
2		SC.WD. P. LAMINATE	1-3/4"								
3		ALUM CUSTOM COLOR						5-4	6-3		
4		STEEL FACTORY FINISH								7-4	8-4
5		SC. WD. PAINT	1-3/4"	1-5				1			

1 DOOR TYPE SCHEDULE



2 FRAME TYPE SCHEDULE



6 INTERIOR TIGHT JAMB

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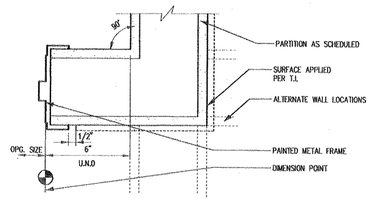

4 TYPICAL INTERIOR JAMB

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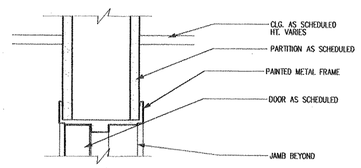

5 TYPICAL INTERIOR HEAD

SCALE: 3" = 1'–0" M:\24863_00\DET\08DOOR02.DWG

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PCC II

SHELL AND CORE PACKAGE VOLUME II

Number	Date	By	Description of Revisions
2	11/15/00	MLB/AEL/RAL	REVISION ASI #15
1	10/30/00	MLB	REVISION ASI #14

Sheet Title

OPENING SCHEDULE, OPENING TYPES AND OPENING DETAILS

Scale 1/4" = 1'–0"
Designed — Drawn MB
Date 10/09/00 — Checked
Approved By — Job Number 24863.00

Sheet Number

S&C A9-1.0

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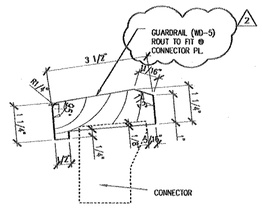

21 WOOD DETAIL @ TOP GUARDRAIL
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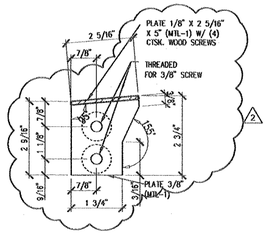

22 TYP. GUARDRAIL BRACKET
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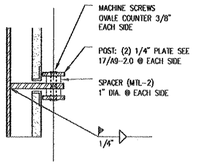

23 TYP. CONNECTOR PLAN DETAIL
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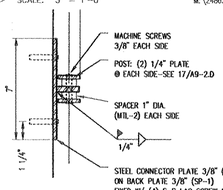
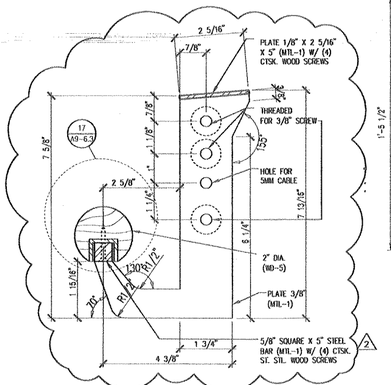


24 TYP. CONNECTOR PLAN DETAIL @ STAIR
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG



25 TYP. GUARDRAIL/HANDRAIL BRACKET@ STAIR
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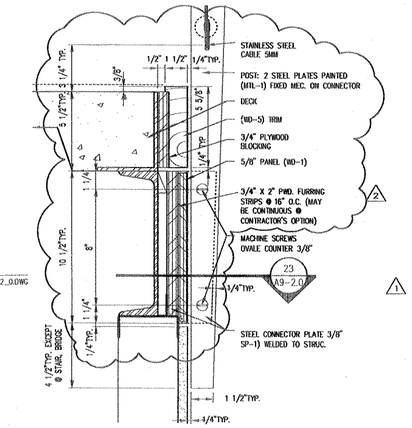

16 TYP. CONNECTOR/POST DETAIL
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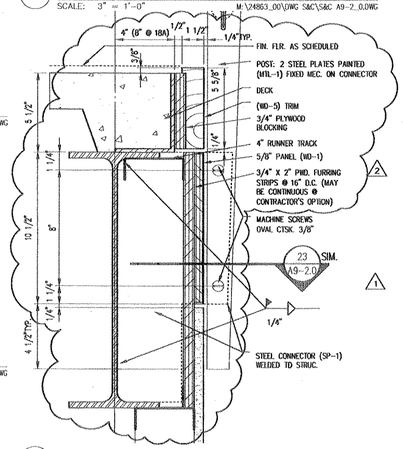
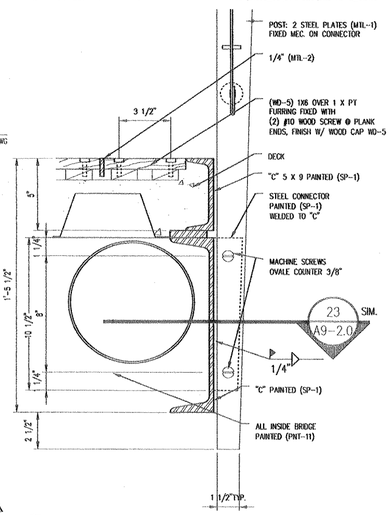
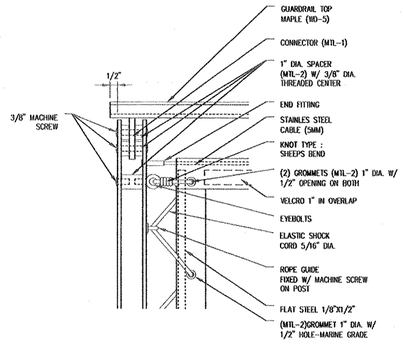


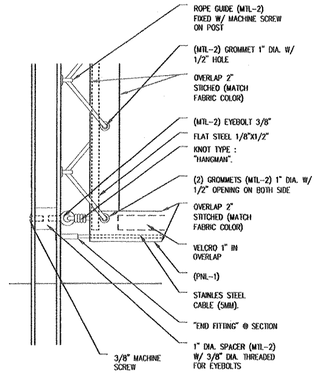
18 TYP. CONNECTOR/POST DETAIL @ MEZZ/STAIR
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG



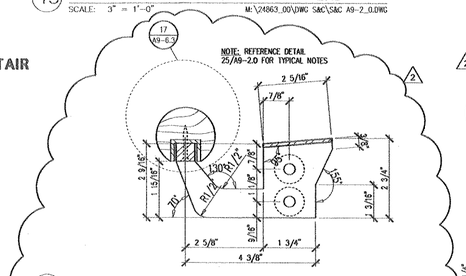
20 TYP. CONNECTOR/POST DETAIL @ BRIDGE
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG



11 TOP DETAIL @ GUARDRAIL "END"
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG

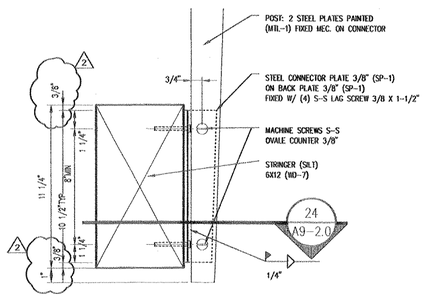


13 BOTTOM DETAIL @ GUARDRAIL "END"
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG

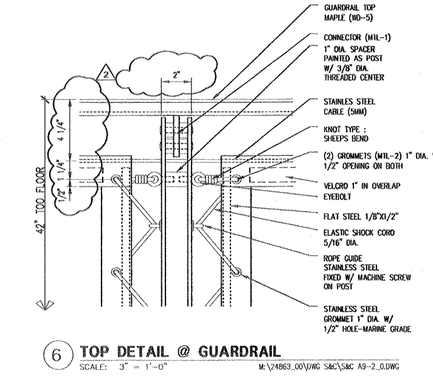


14 TYP. GUARDRAIL/HANDRAIL BRACKET @ COLUMNS
SCALE: 6" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG

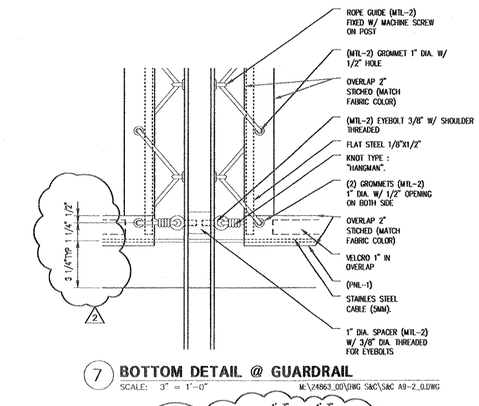
NOTE: ALL FASTENERS ARE MADE OF STAINLESS STEEL, UNO



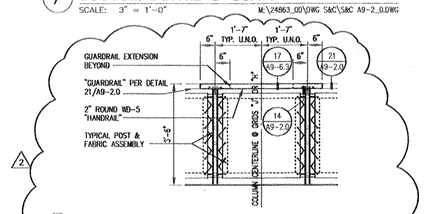
15 POST/CONNECTOR TYP. DETAIL @ STAIR
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG



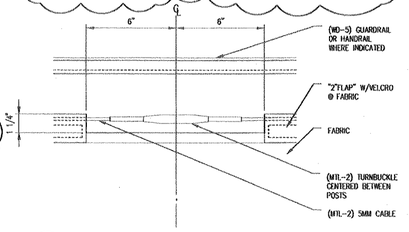
6 TOP DETAIL @ GUARDRAIL
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG



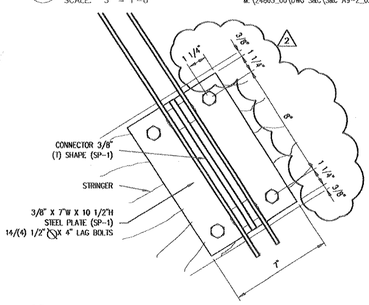
7 BOTTOM DETAIL @ GUARDRAIL
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG



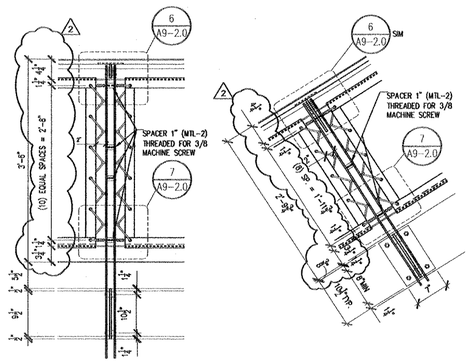
8 GUARDRAIL ELEV. @ GLU-LAM COLUMNS
SCALE: 1/2" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG



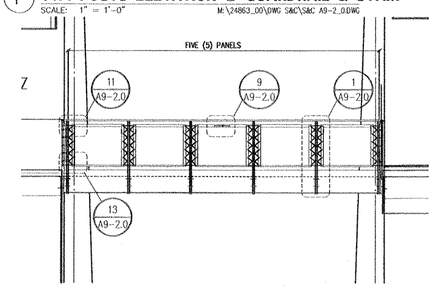
9 TURNBUCKLE DETAIL @ TOP GUARDRAIL
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG



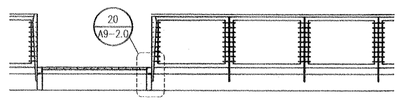
10 POST/CONNECTOR ELEVATION @ STAIR
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG



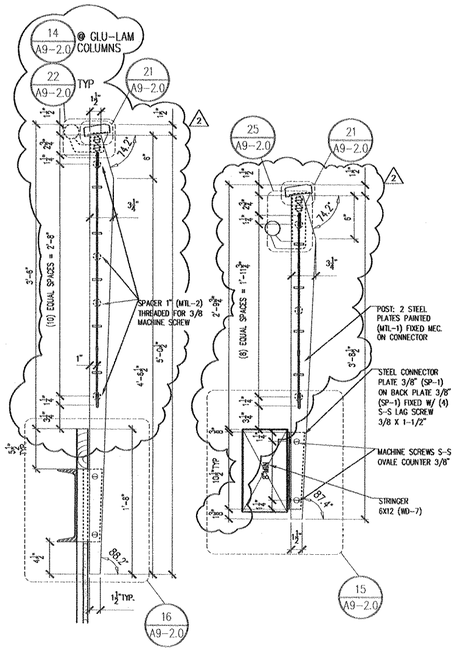
1 TYP. POSTS ELEVATION @ GUARDRAIL & STAIR
SCALE: 1" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG



2 ELEVATION @ BRIDGE-LOBBY
SCALE: 1/4" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG



3 SECTION @ BRIDGE-LOBBY
SCALE: 1/4"=1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG



5 TYP. POSTS @ MEZZ AND STAIR
SCALE: 1 1/2" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_0.DWG

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PCC II

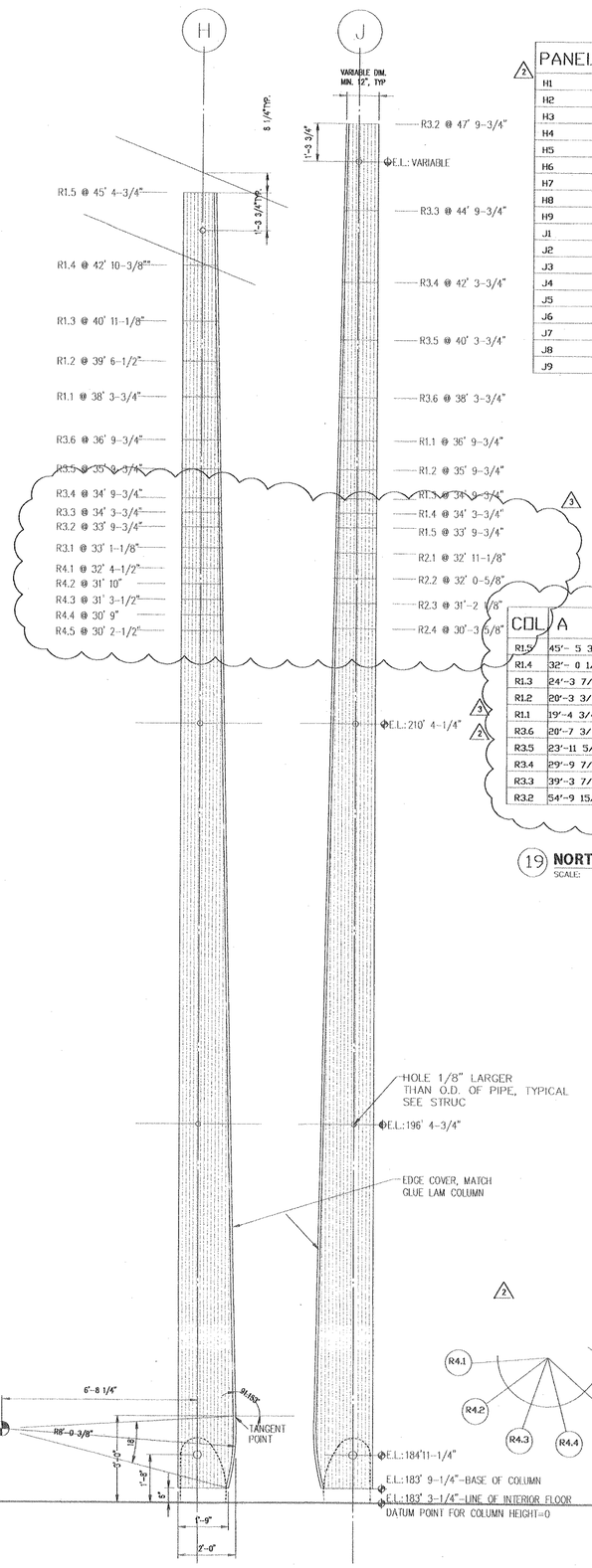
SHELL AND CORE PACKAGE VOLUME II

Number	Date	By	Description of Revisions
2	12/14/00	AEL	REVISION ASI #22
1	10/16/00	MLB	REVISION ASI #13

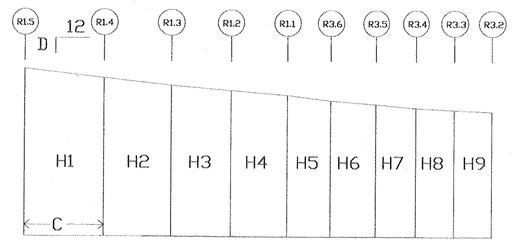
Sheet Title
MEZZANINE, STAIRS AND HANDRAIL DETAILS

Scale VARIES
Designed RD Drawn MA
Date 10/09/00 Checked BD
Approved By Job Number 24863.00

Sheet Number
S&C A9-2.0

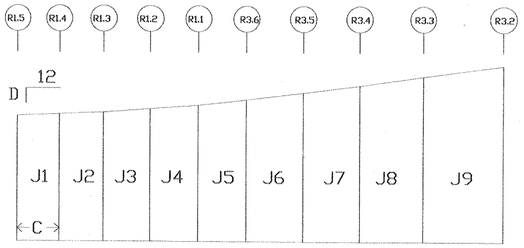


PANEL	C	D
H1	22' 1-3/8"	1.373
H2	18'0-31/32"	1.286
H3	16'1-51/64"	1.029
H4	15'4-41/64"	0.959
H5	11'10-55/64"	1.512
H6	12'6-23/32"	0.955
H7	11'5"	1.047
H8	11'5"	0.526
H9	11'5"	0.526
J1	12'-11 29/32"	0.462
J2	12'-11 29/32"	0.462
J3	12'-11 29/32"	0.924
J4	12'-11 29/32"	0.924
J5	12'-11 31/32"	1.385
J6	15'-5 39/64"	1.552
J7	15'-4 17/32"	1.561
J8	17'-9 19/32"	1.685
J9	22'-6 7/32"	1.066



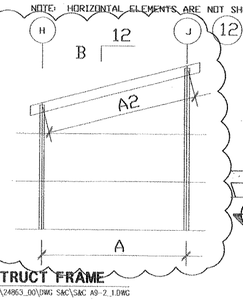
NOTE: HORIZONTAL ELEMENTS ARE NOT SHOWN TO SCALE

11 WEST LOBBY STRUCTURAL FRAME
SCALE: 1" = 16'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG



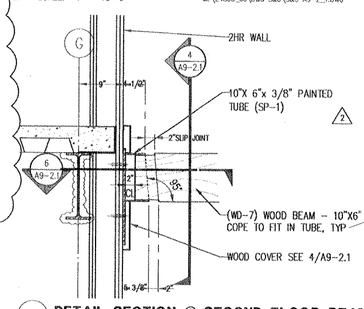
NOTE: HORIZONTAL ELEMENTS ARE NOT SHOWN TO SCALE

COL	A	A2	B
R1.5	45'- 5 3/16"	46'-10 41/64"	3.06
R1.4	32'- 0 1/2"	33'-1 61/64"	3.20
R1.3	24'-3 7/16"	25'-0 9/16"	3.02
R1.2	20'-3 3/4"	20'-7 27/32"	2.20
R1.1	19'-4 3/4"	19'-5 7/16"	0.93
R3.6	20'-7 3/16"	20'-7 27/32"	0.87
R3.5	23'-11 5/16"	24'-4 5/16"	2.26
R3.4	29'-9 7/16"	30'-8 19/32"	3.02
R3.3	39'-3 7/8"	40'-8 25/64"	3.20
R3.2	54'-9 15/16"	56'-7 1/16"	3.06

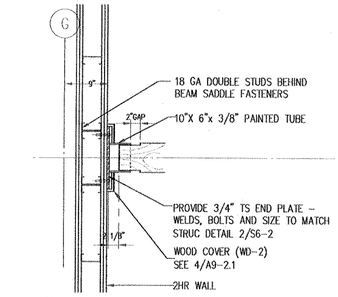


19 NORTH/ SOUTH LOBBY STRUCT FRAME
SCALE: 16" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG

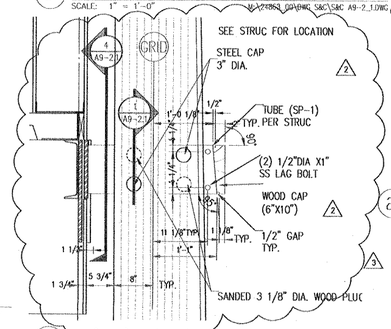
12 EAST LOBBY STRUCTURAL FRAME
SCALE: 1" = 16'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG



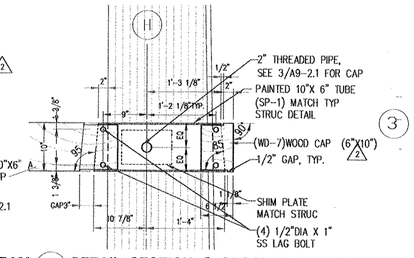
13 DETAIL SECTION @ SECOND FLOOR BEAM
SCALE: 1" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG



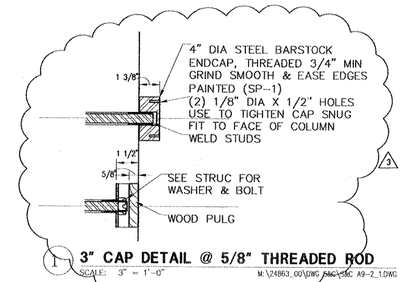
6 PLAN @ BEAM & SADDLE
SCALE: 1" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG



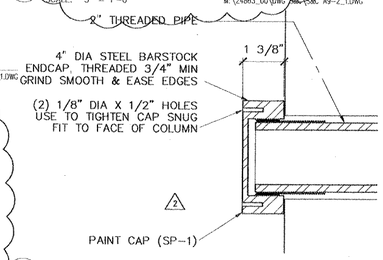
7 DETAIL SECTION @ ROOF
SCALE: 1" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG



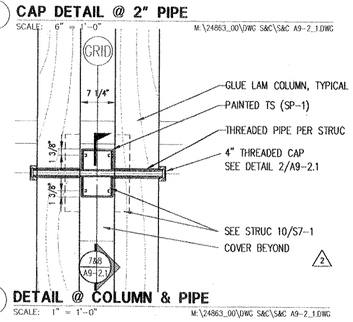
8 DETAIL SECTION @ SECOND FLOOR BEAM
SCALE: 1" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG



1 3" CAP DETAIL @ 5/8" THREADED ROD
SCALE: 3" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG



2 CAP DETAIL @ 2" PIPE
SCALE: 6" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG

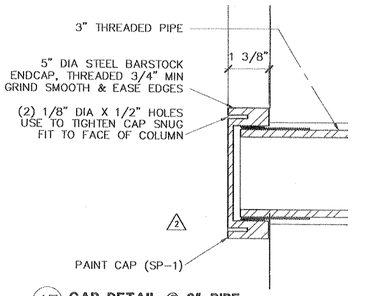


3 DETAIL @ COLUMN & PIPE
SCALE: 1" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG

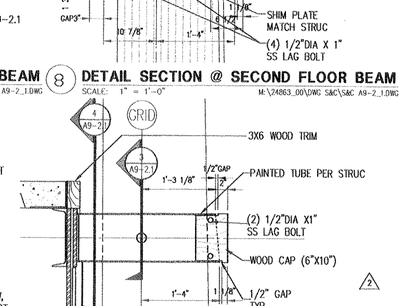
25 COLUMN LAYOUT AND HEIGHT
SCALE: 2" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG

20 LOBBY FRAMING KEY PLAN
SCALE: NTS M:\24863_00\DWG S&C\S&C A9-2_1.DWG

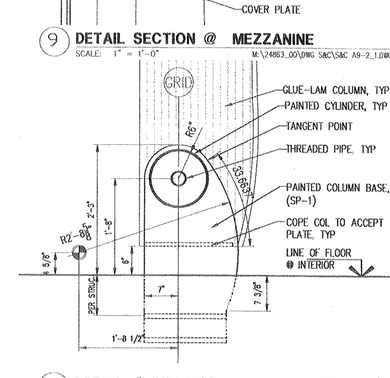
14 PLAN DETAIL @ COLUMN BASE
SCALE: 1" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG



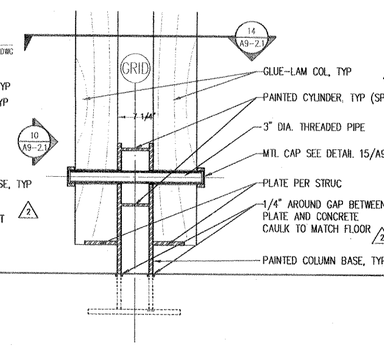
15 CAP DETAIL @ 3" PIPE
SCALE: 6" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG



9 DETAIL SECTION @ MEZZANINE
SCALE: 1" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG



10 DETAIL @ INTERIOR COLUMN BASE
SCALE: 1" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG



5 SECTION THRU BASE @ INTERIOR COLUMNS
SCALE: 1" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG

4 PAINTED COVER @ WALL
SCALE: 1" = 1'-0" M:\24863_00\DWG S&C\S&C A9-2_1.DWG

WILL FOLLOW IN
SUBSEQUENT PACKAGE

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PCC II

SHELL AND CORE PACKAGE VOLUME II

Number	Date	By	Description of Revisions
3	10/24/00	MLB	ASI #13
2	10/9/00	MLB	ASI #10
1	9/20/00	MLB	ASI #9

Sheet Title
LOBBY COLUMN AND CONNECTION DETAILS

Scale AS SHOWN
Designed Drawn
Date 10/09/00 Checked
Approved By Job Number 24863.00

Sheet Number
S&C A9-2.1

M:\24863_00\DWG S&C\S&C A9-2_1.dwg
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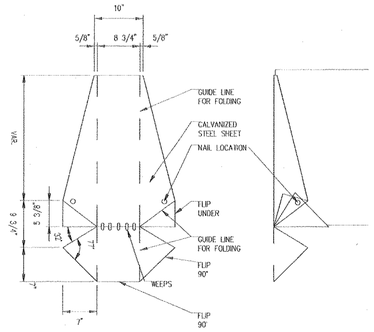
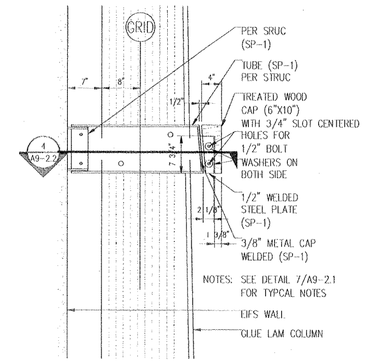
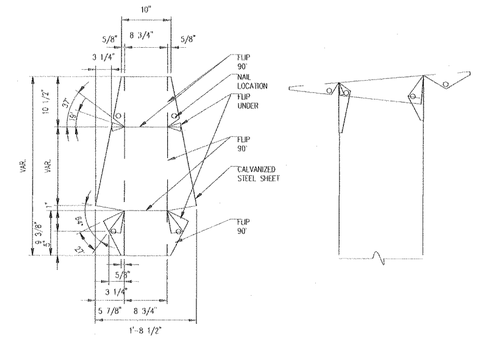


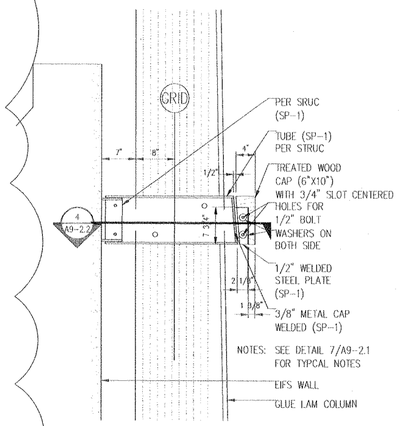
6 TYP. CAP DETAIL @ EXTERIOR BEAM
SCALE: 1" = 1'-0"



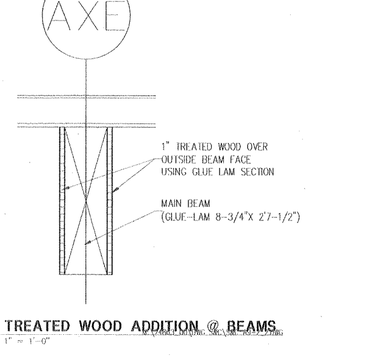
1 DETAIL SECTION @ EXTERIOR TOP ROUND WALL
SCALE: 1" = 1'-0"



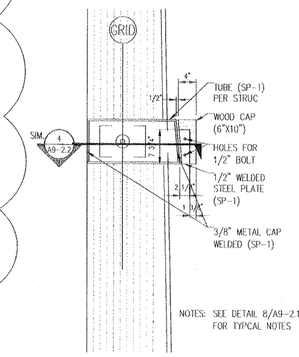
8 TYP. CAP DETAIL @ EXTERIOR COLUMN
SCALE: 1" = 1'-0"



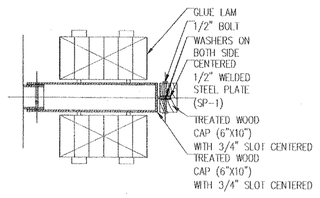
2 DETAIL SECTION @ EXTERIOR J/R3.2 & H/R1.5 ROOF LEVEL
SCALE: 1" = 1'-0"



9 TYP. TREATED WOOD ADDITION @ BEAMS
SCALE: 1" = 1'-0"



4 DET SECTION @ EXT. SEC. FLOOR ROUND WALL
SCALE: 1" = 1'-0"



5 PLAN DETAIL @ EXTERIOR
SCALE: 1" = 1'-0"

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PCC II

SHELL AND CORE PACKAGE VOLUME II

Number	Date	By	Description of Revisions
2	11/20/00	MA	ASI #17
1	10/30/00	MA	ASI #14

Sheet Title
LOBBY COLUMN CONNECTION DETAILS, CAP DETAILS AND TREATED WOOD DETAIL @ BEAM

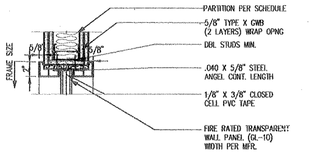
Scale	AS SHOWN
Designed	RD
Drawn	MA
Date	10/09/00
Checked	
Approved By	
Job Number	24863.00

Sheet Number

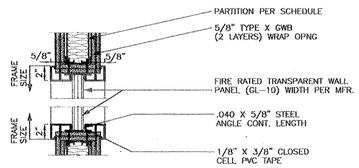
S&C A9-2.2

2

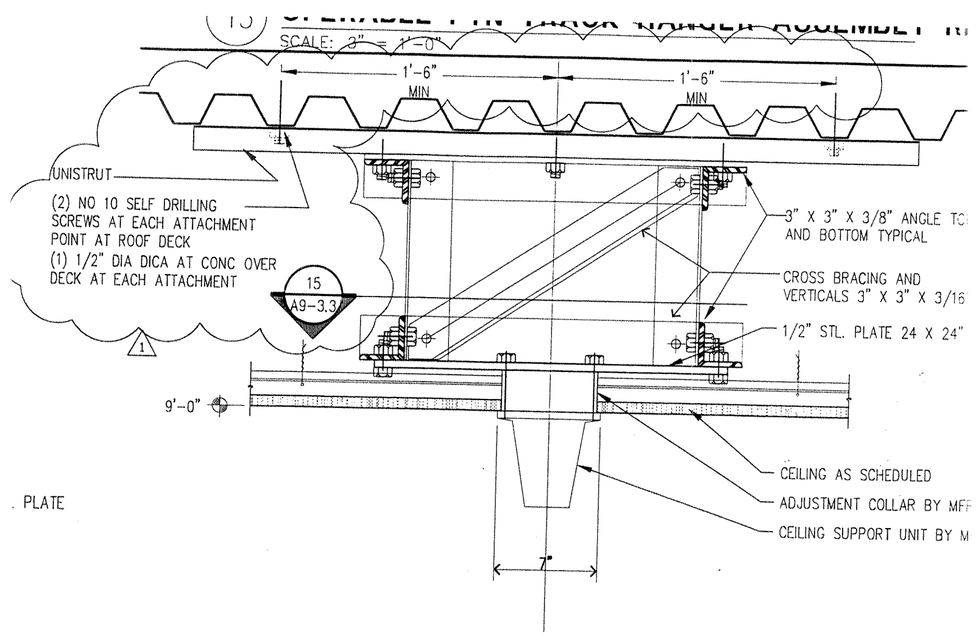
W:\24863.00\Dwg S&C\S&C A9-2.2.dwg
PLOTTED FOR PHILSTER, MAR | DATE: 10/27/00 | TIME: 15:10



16 **FIRELITE JAMB**
SCALE: 1 1/2" = 1'-0" M:\24863\DET\FIRELITE_SOMN_JB.DWG



17 **FIRELITE HEAD**
SCALE: 1 1/2" = 1'-0" FIRELITE_SOMN_HD.DWG



14 **SECTION-PROCEDURE LIGHT SUPPORT**
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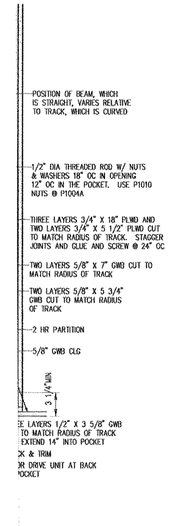
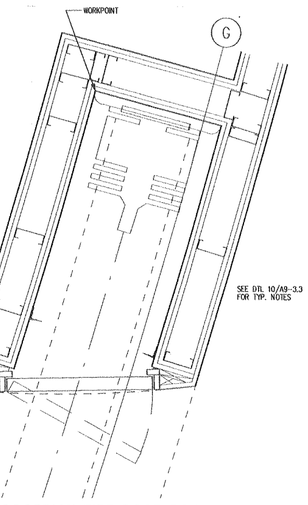
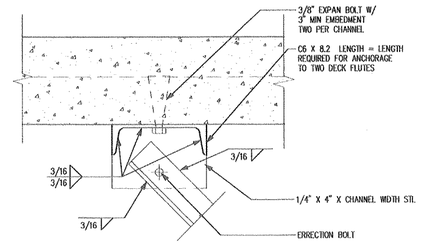


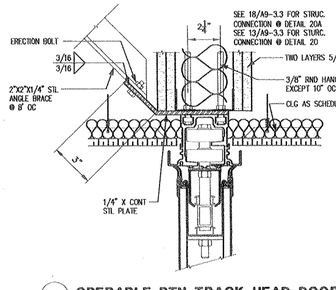


3 **ACCORDIAN FIRE DOOR POCKET**
SCALE: 1 1/2" = 1'-0" M:\24863_00\DWG S&C\S&C A9-3_3.DWG

18 **RM 1F2-A OPERABLE PTN TRACK HANGER**
SCALE: 3" = 1'-0"



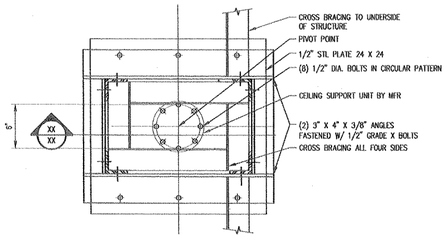
19 **OPERABLE PIN TRACK BRACE SUPPORT**
SCALE: 3" = 1'-0"



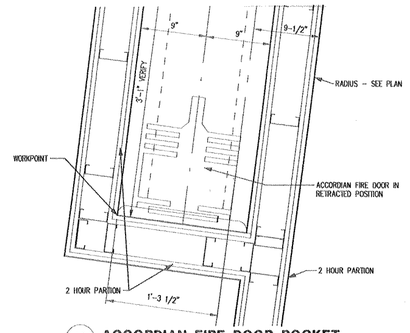
20 **OPERABLE PTN TRACK HEAD DOOR 2A4-D-1**
SCALE: 3" = 1'-0"

20A **OPERABLE PTN TRACK HEAD DOOR 1F2-A-3**
SCALE: 3" = 1'-0"

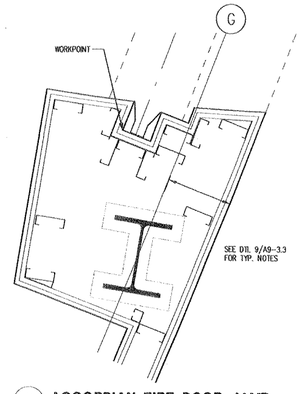
14 **SECTION-PROCEDURE LIGHT SUPPORT**
SCALE: 1 1/2" = 1'-0" M:\24863_00\DET\11_LITE.DWG



15 **PLAN-PROCEDURE LIGHT SUPPORT**
SCALE: 1 1/2" = 1'-0" M:\24863_00\DET\11_LITE.DWG



10 **ACCORDIAN FIRE DOOR POCKET**
SCALE: 1 1/2" = 1'-0" M:\24863_00\DWG S&C\S&C A9-3_3.DWG



5 **ACCORDIAN FIRE DOOR JAMB**
SCALE: 1 1/2" = 1'-0" M:\24863_00\DWG S&C\S&C A9-3_

Number	Date	By	Description of Revision
1	12/26/00	RAL	REVISION ASI #23

R1.1 S&C A9-3.3

NBBJ
111 South Jackson Street
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SOUTHCENTRAL FOUNDATION
PCC II — ANCHORAGE ALASKA

Scale:
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PCC II

SHELL AND CORE PACKAGE VOLUME II

STATE OF ALASKA 49TH
Richard G. Buckley
No. A 10008
REGISTERED PROFESSIONAL ARCHITECT

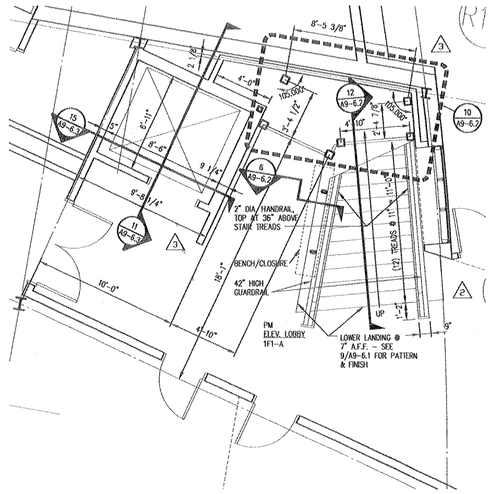
Number	Date	By	Description of Revisions

Sheet Title
INTERIOR DETAILS

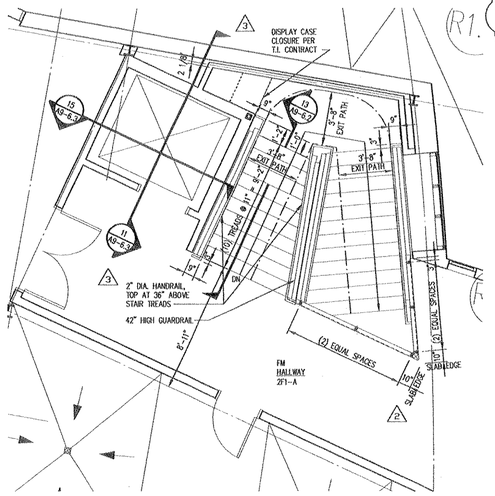
Scale AS NOTED
Designed RD Drawn HD
Date 10/09/00 Checked CJ
Approved By Job Number 24863.00

Sheet Number
S&C A9-3.3

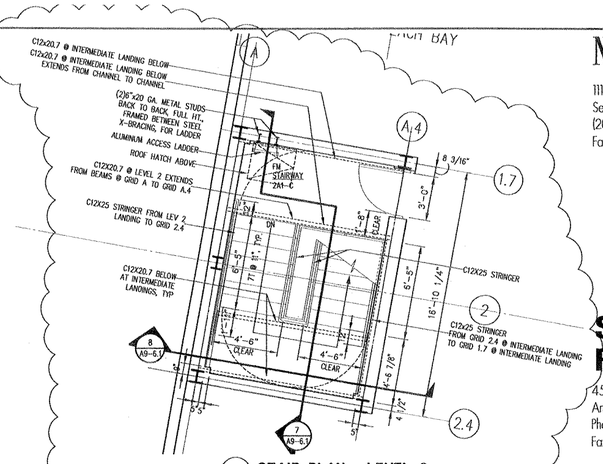
M:\24863_00\Dwg S&C\S&C A9-3_3.dwg | DATE: 10/26/00 T:\ME:08:17 | PLOTDATA FOR R14|USER: RLD



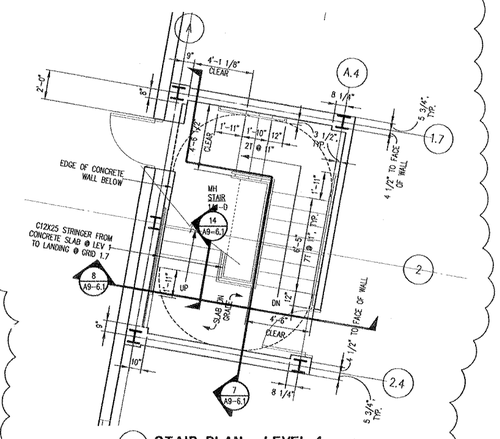
1 STAIR PLAN - LEVEL 1
1/4"=1'-0"



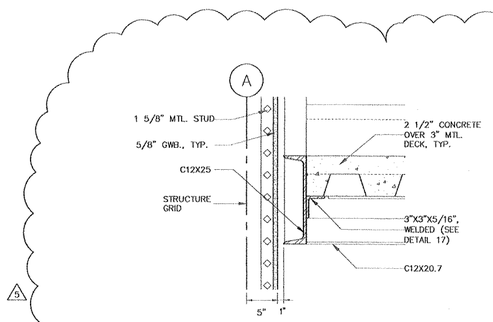
2 STAIR PLAN - LEVEL 2
1/4"=1'-0"



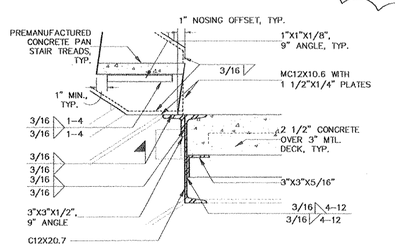
4 STAIR PLAN - LEVEL 2
1/4"=1'-0"



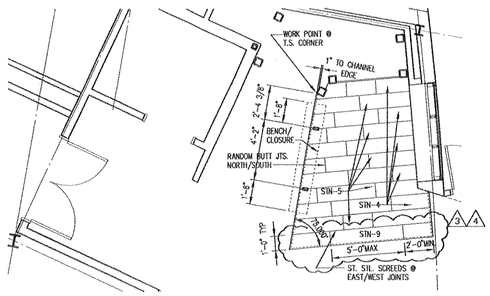
3 STAIR PLAN - LEVEL 1
1/4"=1'-0"



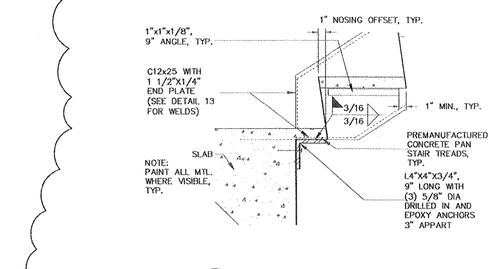
12 LANDING, WEST SIDE
1 1/2"=1'-0"



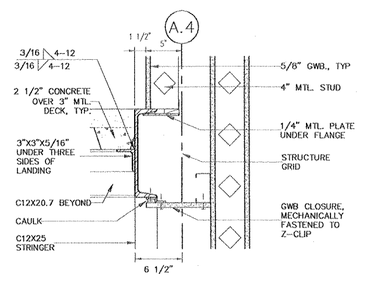
13 STRINGER @ BOTTOM
1 1/2"=1'-0"



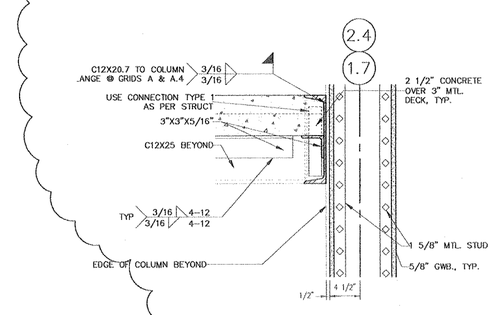
9 STAIR BASE FLOOR PATTERN - LEVEL 1
1/4"=1'-0"



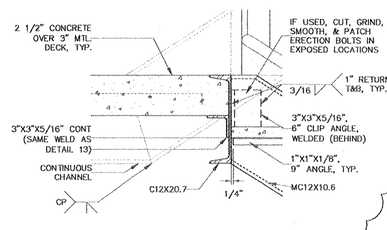
14 STRINGER @ FOUNDATION
1 1/2"=1'-0"



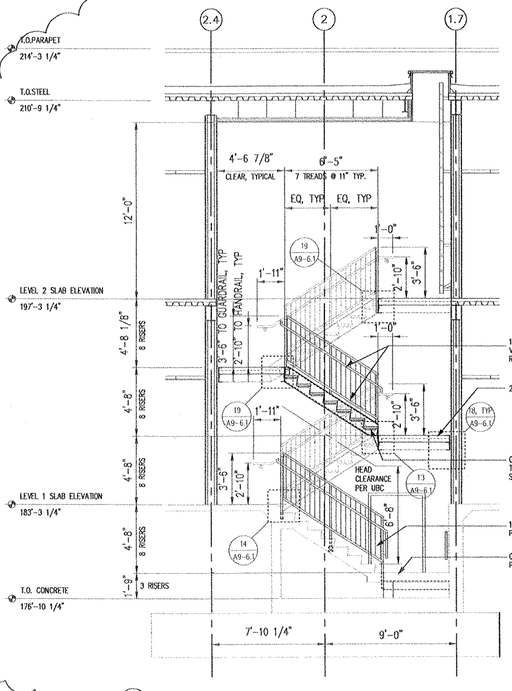
17 LANDING, EAST SIDE
1 1/2"=1'-0"



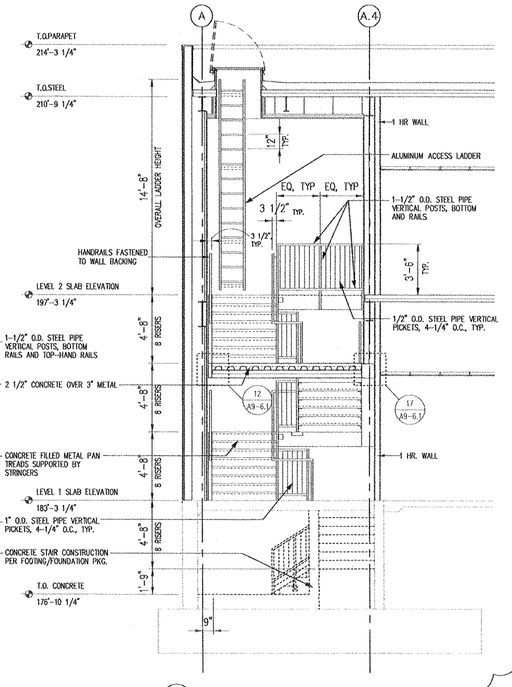
18 LANDING @ BACK
1 1/2"=1'-0"



19 STRINGER @ TOP
1 1/2"=1'-0"



7 SECTION AT STAIR
1/4"=1'-0"



8 SECTION AT STAIR
1/4"=1'-0"

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PCC II

SHELL AND CORE PACKAGE VOLUME II

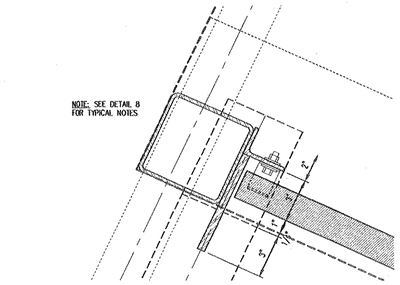
Number	Date	By	Description of Revisions
5	12/26/00	RAL	REVISION ASI #23
4	12/14/00	AEL	REVISION ASI #22
3	12/07/00	AEL	REVISION ASI #19
2	10/15/00	RAL	REVISION ASI #16
1	10/12/00	MLB	REVISION ASI #12

Sheet Title
STAIR PLANS SECTIONS AND DETAILS

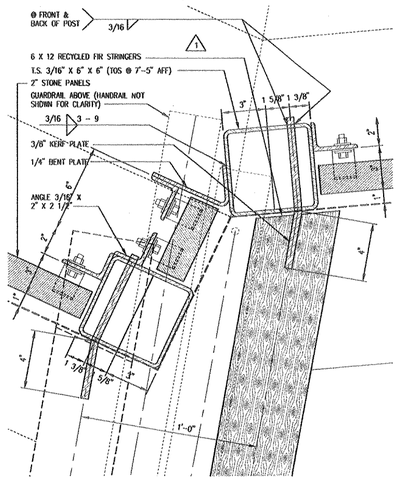
Scale VARIES
Designed — Drawn MB, DC, AL
Date 10/09/00 — Checked
Approved By — Job Number 24863.00

Sheet Number
S&C A9-6.1

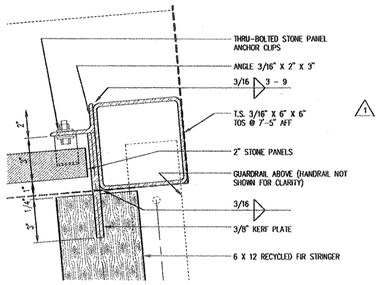
M:\24863_00\dwg S&C\S&C A9-6_1.dwg
PLOTDATA FOR R14|USER: ROL | DATE: 12/26/00 | TIME: 10:47



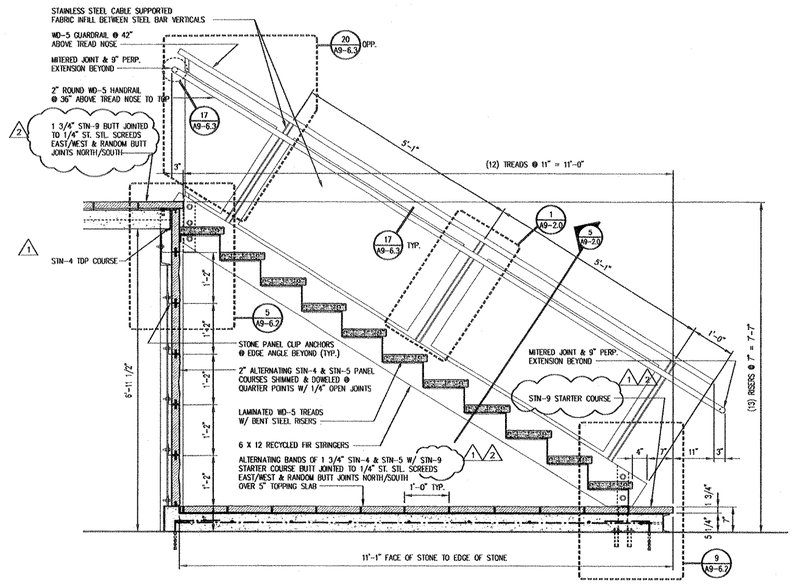
1 STRINGER CONN. PLAN DETAIL
3"=1'-0"



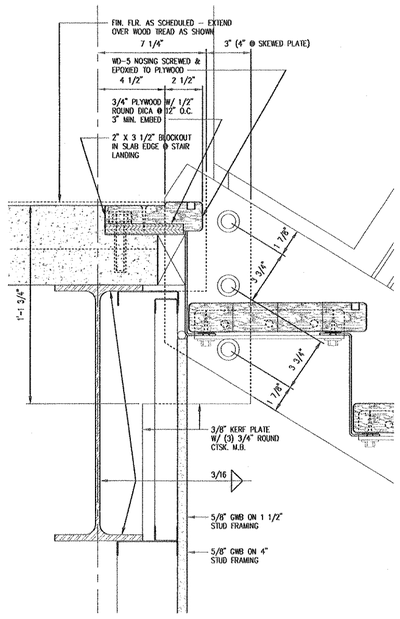
4 STRINGER CONN. PLAN DETAIL
3"=1'-0"



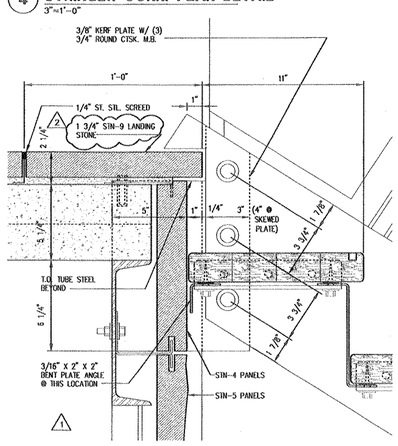
8 STRINGER CONN. PLAN DETAIL
3"=1'-0"



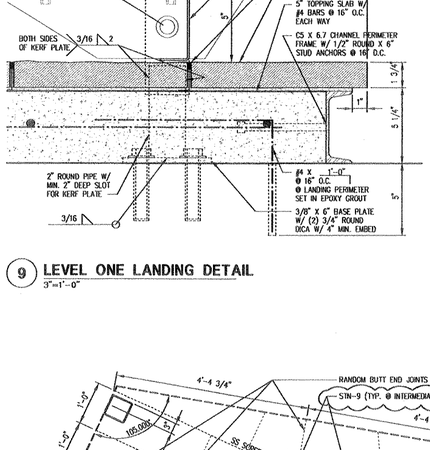
12 LOWER STAIR RUN SECTION
3/4"=1'-0"



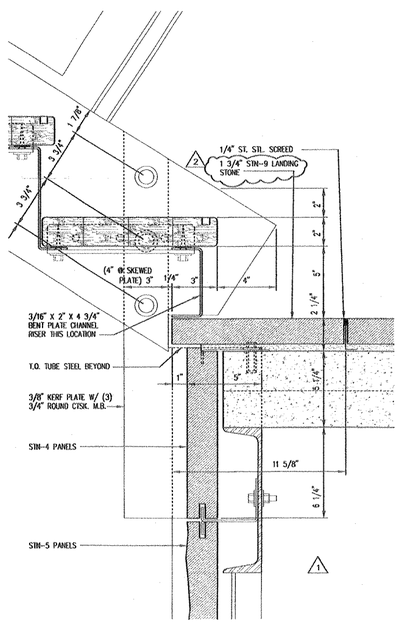
2 2ND FLOOR LANDING DETAIL
3"=1'-0"



5 INTERMEDIATE LANDING DETAIL
3"=1'-0"



9 LEVEL ONE LANDING DETAIL
3"=1'-0"



3 INTERMEDIATE LANDING DETAIL
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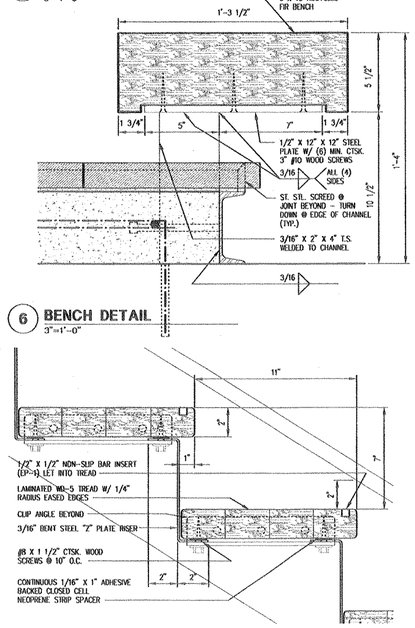
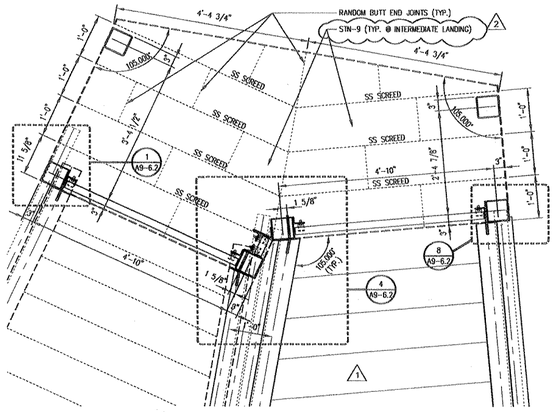
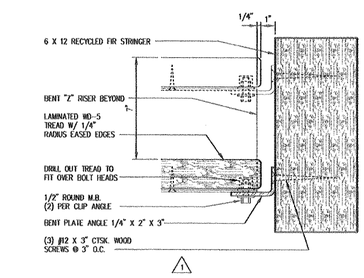


6 BENCH DETAIL
3"=1'-0"

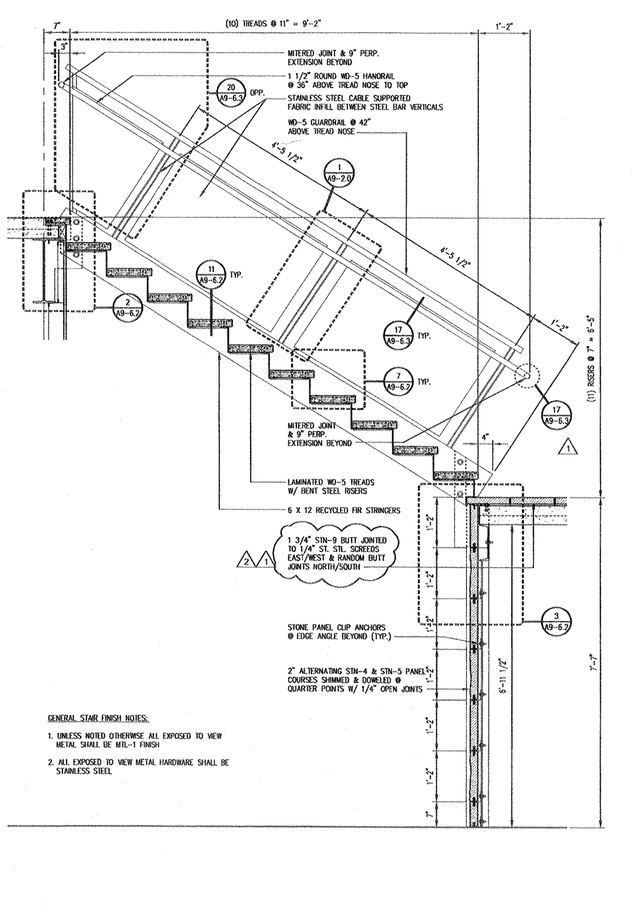


10 LANDING PLAN
3/4"=1'-0"



11 TREAD/STRINGER CONN. DETAIL
3"=1'-0"

7 TYPICAL TREAD DETAIL
3"=1'-0"



GENERAL STAIR FINISH NOTES:

1. UNLESS NOTED OTHERWISE ALL EXPOSED TO VIEW METAL SHALL BE MTL-1 FINISH
2. ALL EXPOSED TO VIEW METAL HARDWARE SHALL BE STAINLESS STEEL

13 UPPER STAIR RUN SECTION
3/4"=1'-0"

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PCC II

SHELL AND CORE PACKAGE VOLUME II

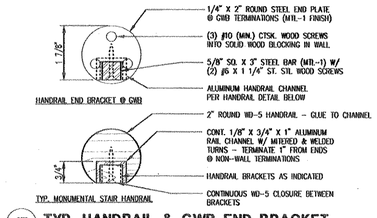
Number	Date	By	Description of Revisions
2	12/14/00	AEL	REVISION ASI #22
1	12/07/00	AEL	REVISION ASI #19

Sheet Title
MONUMENTAL STAIR DETAILS

Scale AS NOTED
Designed MA — Drawn AEL
Date 10/09/00 — Checked CK
Approved By — Job Number 2486300

Sheet Number

S&C A9-6.2



17 **TYP. HANDRAIL & GWB END BRACKET**
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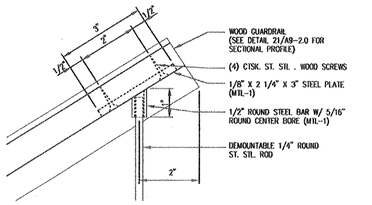
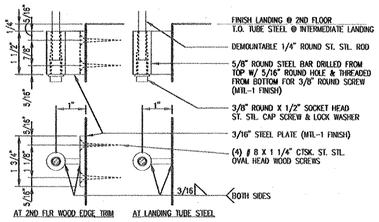
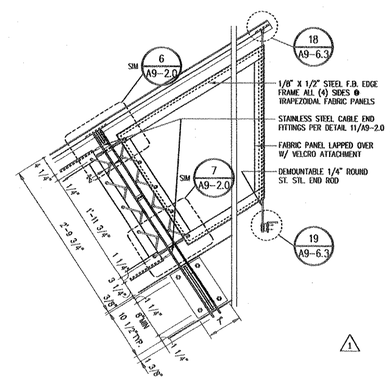


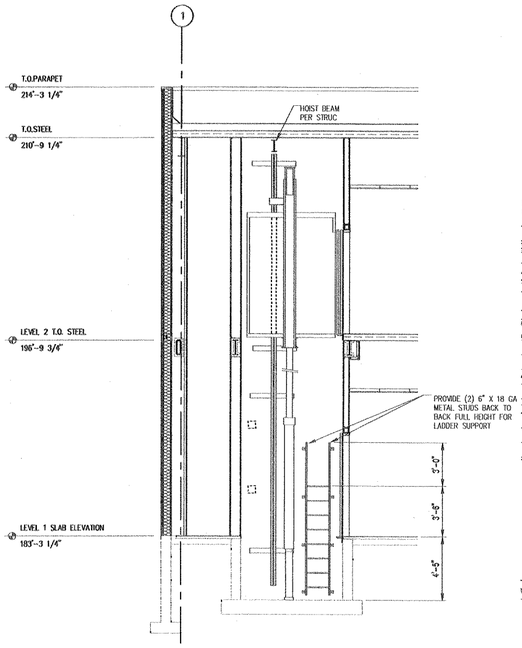
18 **STAIR PANEL END POST BRACKET @ RAIL**
SCALE: 6" = 1'-0" M:\24863_00\DET\05_STR_6.DWG



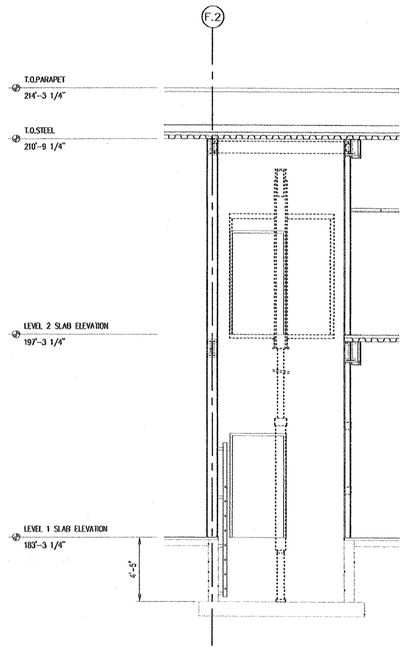
19 **STAIR PANEL END POST BRACKET @ FLR.**
SCALE: 6" = 1'-0" M:\24863_00\DET\05_STR_6.DWG



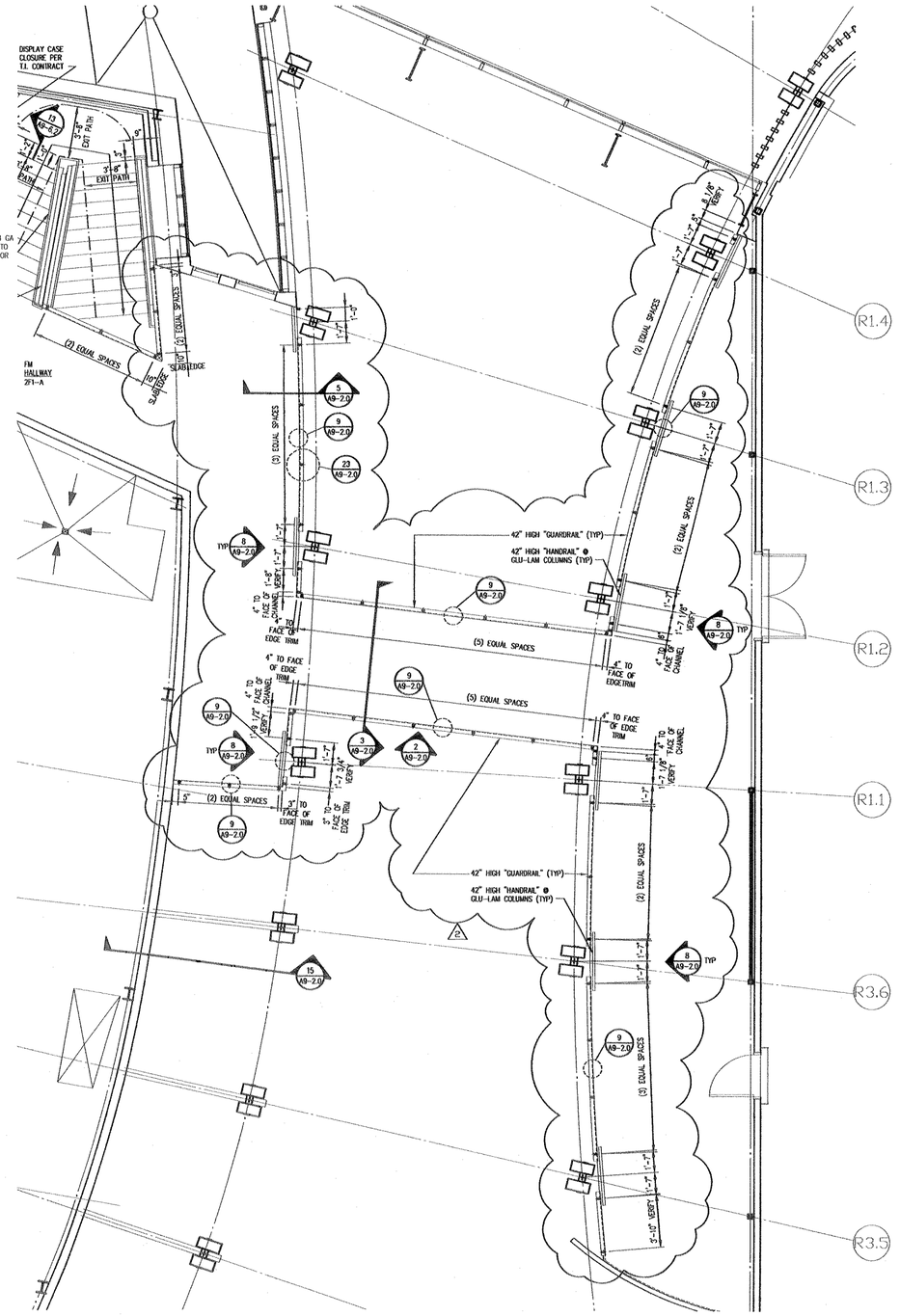
20 **STAIR END PANEL**
1"=1'-0"



11 **SECTION AT ELEVATOR SHAFT**
1/4"=1'-0"



15 **SECTION AT ELEVATOR SHAFT**
1/4"=1'-0"



9 **PLAN @ BRIDGE & MEZZ.-LOBBY**
1/4"=1'-0"

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PCC II

SHELL AND CORE PACKAGE VOLUME II

Number	Date	By	Description of Revisions
2	12/14/00	AEL	REVISION ASI #22
1	12/07/00	AEL	REVISION ASI #19

Sheet title
ELEVATOR SECTIONS, PLAN @ MEZZ & AND BRIDGE

Scale AS NOTED
Designed RD Drawn MB
Date 10/09/00 Checked MB
Approved By Job Number 24863.00

Sheet Number

S&C A9-6.3

M:\24863_00\Dwg S&C\S&C A9-6.3.dwg
\DATA FOR R14\USER: AEL DATE: 12/15/00 TIME: 11:05

MECHANICAL LEGEND

GENERAL

SYMBOL	ABBREVIATION	DESCRIPTION
		PIPE UP AND DOWN
		PIPE DOWN
M-1		MECHANICAL SYMBOL
ø	DIA	DIAMETER OR ROUND
T		TEMPERATURE SENSOR

VALVES & FITTINGS

SYMBOL	ABBREVIATION	DESCRIPTION
		Y-TYPE STRAINER
	PG	PRESSURE GAUGE
	TH	THERMOMETER, COLUMN TYPE
		UNION
		FLANGE
		CAP
		TEMP PRESSURE TEST PLUG
		FLOW METER FITTING (PITOT)
	AAV	AUTOMATIC AIR VENT
	MAV	MANUAL AIR VENT
		FLEXIBLE PIPE CONN
		ANCHOR
M		METER
	GV	GATE VALVE
	CHV	CHECK VALVE
	BV	BALL VALVE
		CIRCUIT SETTER
	RV	RELIEF VALVE
		NEEDLE VALVE
	HEDV	HOSE END DRAIN VALVE
	ACV	AUTOMATIC CONTROL VA (2-WAY)

PIPING SYSTEMS

SYMBOL	ABBREVIATION	DESCRIPTION
D	D	INDIRECT DRAIN LINE
G	G	NATURAL GAS
GLR	GLR	GLYCOL RETURN
GLS	GLS	GLYCOL SUPPLY

DUCTWORK

SINGLE LINE	DOUBLE LINE		DESCRIPTION
RECT. / ROUND			CONICAL SPIN-IN TAKEOFF
ROUND / ROUND			CONICAL TAKEOFF
			RECTANGULAR 45° LATERAL
			ROUND 45° CONICAL LATERAL
			TEE WITH TURNING VANES
			BRANCH TAKEOFF
			RADIUS TEE
			BRANCH TEE
			FLEXIBLE DUCT
S		CD	CEILING DIFFUSER (CFM, SUPPLY)
S		CD	CEILING DIFFUSER WITH BLANK OFF
E		CG	RETURN/EXHAUST GRILLE (OR REGISTER CFM, E: EXHAUST, R: RETURN)
		TVE	TURNING VANE ELBOW
		VD	MANUAL VOLUME DAMPER
		RVD	REMOTE VOLUME DAMPER
		F & SD	COMBINATION FIRE AND SMOKE DAMPER
R			DUCT RISES UP (IN DIRECTION OF AIRFLOW)
D			DUCT DROPS DOWN (IN DIRECTION OF AIRFLOW)
			HOT WATER HEATING COIL
			LINED DUCT
			FLEXIBLE CONNECTION

DUCTWORK CONT'D

DUCT LINE EQUIVALENTS LEGEND

SINGLE LINE	DOUBLE LINE	DESCRIPTION
		90° ELBOW UP (SUPPLY)
		90° ELBOW UP (RETURN/EXHAUST)
		90° ELBOW DOWN (SUPPLY)
		90° ELBOW DOWN (RETURN/EXHAUST)
		RADIUS ELBOW UP (SUPPLY)
		RADIUS ELBOW UP (RETURN/EXHAUST)
		RADIUS ELBOW DOWN (SUPPLY)
		RADIUS ELBOW DOWN (RETURN/EXHAUST)
		ROUND DUCT UP (SUPPLY/EXHAUST/RETURN)
		ROUND DUCT DOWN (SUPPLY/EXHAUST/RETURN)
		TRANSITION (ROUND TO ROUND/ RECTANGULAR TO RECTANGULAR)
		RADIUS ELBOW
		TRANSITION (RECTANGULAR TO ROUND)
RECT. / ROUND		SPIN-IN TAKEOFF
ROUND / ROUND		CONICAL TEE

S&C MECHANICAL DRAWING LIST

DRAWING NO.	DRAWING TITLE
S&C M0.1	LEGEND & DRAWING INDEX
S&C M0.2	SCHEDULES
S&C M0.3	SCHEDULES
S&C M2-1.2	PCC II, LEVEL I -- HVAC PLAN
S&C M2-1.2a	PCC II, LEVEL I -- HVAC PIPING PLAN
S&C M2-2.2	PCC II, LEVEL II -- HVAC PLAN
S&C M2-2.2a	PCC II, LEVEL II -- HVAC PIPING PLAN
S&C M2-3.2	PCC II ROOF PLAN -- HVAC
S&C M4-2.1	PCC II MECHANICAL ROOM PLAN AND SECTIONS
S&C M7-0.1	CONTROL DIAGRAMS
S&C M7-0.2	CONTROL DIAGRAMS
S&C M7-0.3	CONTROL DIAGRAMS
S&C M9-2.1	PCC II PIPING DIAGRAMS AND DETAILS
S&C M9-2.2	PCC II DETAILS

FILENAME: S&CMECHDRAWLIST.XLS

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PCC II

SHELL AND CORE PACKAGE VOLUME II

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NEI#: 200006

STATE OF ALASKA — 49TH — TOM G. FERLAN — No. ME5092 — REGISTERED PROFESSIONAL ENGINEER

Number	Date	By	Description of Revisions

Sheet Title
LEGEND & DRAWING INDEX

Scale NONE
Designed SBE — Drawn DRA
Date 10/09/00 — Checked LDS
Approved By — Job Number 2486300

Sheet Number
S&C M0.1

ROOF TOP UNIT SCHEDULE

MARK	UNIT SERVES	LOCATION	MIN. OSA CFM	SUPPLY FAN					EXHAUST FAN					DX COOLING COIL							HOT WATER HEATING COIL (1)						ELECTRICAL (4)						MIN. EER	NOTES	MANUFACTURER & MODEL NO.
				CFM	E.S.P.	HP	RPM	BHP	CFM	E.S.P. (1)	HP	RPM	BHP	TOTAL COOLING CAPACITY (MBH)	SENSIBLE COOLING CAPACITY (MBH)	E.A.T. (°F) D.B.	E.A.T. (°F) W.B.	AMB. (°F)	L.A.T. (°F) D.B.	L.A.T. (°F) W.B.	CAPACITY (MBH)	GPM (3)	EAT (°F)	LAT (°F)	MAX PRESS DROP (FT W.G.)	MAX. AIR PRESS. DROP (IN W.G.)	VOLTAGE	SUPPLY FAN FLA	COND. FAN FLA	EXHAUST FAN FLA	MCA	MOCP			
RTU-1	PCC II – LEVEL I	PCC II – ROOF	6,400	22,500	3.00	40	1100	32.5	20,000	1.00	15.00	700	10.6	487.0	448.7	74.3	62.0	80.0	55.0	50.5	476.7	35.2	28.8	60.0	5.0	0.5	460/3/60	48.5	10.8	19.3	201.6	250	9.2	(5),(6),(7)	TRANE SLHF – C60
RTU-2	PCC II – LEVEL II	PCC II – ROOF	6,740	25,500	3.00	40	1100	32.5	23,000	1.00	15.00	700	10.6	575.3	522.8	74.8	62.2	80.0	56.7	51.7	467.4	34.5	35.4	60.0	5.0	0.5	460/3/60	48.5	10.8	19.3	201.6	250	9.2	(5),(6),(7)	TRANE SLHF – C60
RTU-3	LOBBY	PCC II – ROOF	1,200	11,000	2.00	15	1200	12.5	–	–	–	–	–	247.4	242.0	75.4	62.4	80.0	56.0	51.2	440.4	32.5	58.1	95.0	5.0	0.5	460/3/60	19.3	5.4	–	99.13	125	9.1	(5),(6),(7)	TRANE SLHF – C30

FILENAME: M00-1

NOTES:

(1) HOT WATER COIL SELECTION CALCULATION BASED ON MINIMUM SUPPLY CFM SETTING FOR ROOF TOP UNITS.
(2) NOT USED
(3) GPM BASED ON EWT = 200 °F, LWT = 170 °F AND 50% GLYCOL/WATER MIXTURE.
(4) PROVIDE SINGLE-POINT POWER CONNECTION.
(5) PROVIDE ASHRAE 52, 30% EFFICIENCY PLEATED MEDIA FILTERS (INCLUDE DIRTY FILTER LOSS OF 1.00 INCH IN TOTAL STATIC PRESSURE CALCULATIONS)
(6) MECHANICAL CONTRACTOR TO INSTALL SMOKE DETECTOR IN SUPPLY DUCTWORK TO SHUT DOWN UNIT UPON DETECTION OF SMOKE. ELECTRICAL CONTRACTOR TO FURNISH AND WIRE.
(7) PROVIDE SEISMIC ROOF CURB.

FAN SCHEDULE

MARK	UNIT SERVES	TYPE	LOCATION	CFM	T.S.P. (IN. W.G.)	DRIVE TYPE	MOTOR HP	MOTOR RPM	MOTOR BHP	MOTOR VOLT	MOTOR PH	MAX. SONES	ACCESSORIES	MANUFACTURER & MODEL NO.
EF-1	ELEC ROOM EXHAUST	CENTRIFUGAL ROOF EXHAUST	PCC II – ROOF	750	0.250	BELT	1/4	1,310	0.111	120	1	8.7	(1),(2),(3)	GREENHECK GB-90
EF-2	LEVEL I & LEVEL II SPECIAL EXHAUST	CENTRIFUGAL ROOF EXHAUST	PCC II – ROOF	410	0.375	BELT	1/4	1,170	0.060	120	1	6.0	(1),(2),(3)	GREENHECK GB-80
EF-3	LEVEL I & LEVEL II GENERAL EXHAUST	CENTRIFUGAL ROOF EXHAUST	PCC II – ROOF	1,625	0.500	BELT	1/4	700	0.220	120	1	6.1	(1),(2),(3)	GREENHECK GB-180
EF-4	CONF. RM. RANGE EXHAUST	CENTRIFUGAL ROOF EXHAUST	PCC II – ROOF	370	0.250	BELT	1/4	930	0.03	120	1	4.0	(1),(2),(3),(4)	GREENHECK GB-80
EF-5	LEVEL I & LEVEL II GENERAL EXHAUST	CENTRIFUGAL ROOF EXHAUST	PCC II – ROOF	1,250	0.375	BELT	1/4	1,200	0.2	120	1	10.0	(1),(2),(3)	GREENHECK GB-130
EF-6	LEVEL I & LEVEL II SPECIAL EXHAUST	CENTRIFUGAL ROOF EXHAUST	PCC II – ROOF	1,615	0.375	BELT	1/3	1,480	0.300	120	1	14.0	(1),(2),(3)	GREENHECK GB-120
EF-7	NORTH VESTIBULE	CEILING EXHAUST	VESTIBULE CEILING	500	0.250	DIRECT	285 WATTS	1,080	–	120	1	7.4	(5),(6),(7),(8)	GREENHECK SP-255
EF-8	SOUTH VESTIBULE	CEILING EXHAUST	VESTIBULE CEILING	500	0.250	DIRECT	285 WATTS	1,080	–	120	1	7.4	(5),(6),(7),(8)	GREENHECK SP-255
EF-9	BLDG CAFÉ	CENTRIFUGAL ROOF EXHAUST	LOBBY LOW ROOF	190	0.250	BELT	1/4	1,170	0.042	120	1	5.5	(1),(2),(3)	GREENHECK GB-70
EF-10	LOBBY TOILET EXHAUST	CENTRIFUGAL ROOF EXHAUST	LOBBY LOW ROOF	500	0.250	BELT	1/4	1,230	0.069	120	1	6.9	(1),(2),(3)	GREENHECK GB-80

FILENAME: M00-2

(1) 12" PREFABRICATED INSULATED ALUMINUM CONSTRUCTION ROOF CURB
(2) GRAVITY BACKDRAFT DAMPER
(3) WIRE MESH BIROSCREEN
(4) FAN TO RUN FROM MOUNTED ON RANGE HOOD. REFERENCE ARCHITECTURAL DRAWINGS FOR RANGE HOOD REQUIREMENTS.
(5) HOUSING INTERIOR LINED WITH SOUND ABSORBING INSULATION
(6) FAN MOUNTED SOLID STATE SPEED CONTROL
(7) RECTANGULAR CONNECTION HOODED WALL CAP EQUAL TO GREENHECK MODEL WC WITH BUILT IN BIRDSCREEN AND DAMPER PAINTED TO MATCH EXTERIOR WALL COLOR
(8) FAN TO RUN OFF THERMOSTAT SUPPLIED BY FAN MANUFACTURER

GRILLE, REGISTER & DIFFUSER SCHEDULE

ITEM	MODULE SIZE (1)	NECK SIZE	CONNECTED DUCT SIZE (2)	MAX. AIRFLOW C.F.M.	MAX. NC (3)	MAX. E.S.P. IN. W.G.	THROW FT. (4)	DESCRIPTION (5)	MANUFACTURER & MODEL NO.
FG-1	SEE PLANS	NA	NA	350 CFM/LF	36	0.05	NA	FLOOR GRILLE	TITUS CT-PP-0
EG-1	NA	6"X6"	8" ø	135	25	0.1	NA	EXHAUST CEILING GRILLE	TITUS 350FL
	NA	10"X10"	10" ø	295	25	0.1	NA	EXHAUST CEILING GRILLE	TITUS 350FL
	NA	14"X14"	12" ø	445	25	0.1	NA	EXHAUST CEILING GRILLE	TITUS 350FL
	NA	18"X18"	12" ø	570	25	0.1	NA	EXHAUST CEILING GRILLE	TITUS 350FL
	NA	22"X22"	14" ø	785	25	0.1	NA	EXHAUST CEILING GRILLE	TITUS 350FL
SAG-1	16"X16"	14"X14"	14"X14"	500	20	0.05	NA	SUPPLY AIR GRILLE	TITUS 300FL
HWG-1	18"X18"	15"X15"	14" ø	1,000	20	0.1	37	HIGH WALL SUPPLY GRILLE	TITUS FR-1
HWG-2	36"X18"	33"X15"	18" ø	1,800	20	0.1	46	HIGH WALL SUPPLY GRILLE	TITUS FR-2
HWRG-1A	116"X18"	114"X16"	60"X16"	3,960	20	0.1	NA	HIGH WALL RETURN GRILLE	TITUS CT-540 W/1" FLANGE
HWRG-1B	104"X18"	102"X16"	58"X16"	3,540	20	0.1	NA	HIGH WALL RETURN GRILLE	TITUS CT-540 W/1" FLANGE
HWRG-2	36"X18"	34"X16"	30"X10"	500	20	0.01	NA	HIGH WALL RETURN GRILLE	TITUS CT-540 W/1" FLANGE

FILENAME: 810-1015.XXR

NOTES:

1 COORDINATE WITH ARCHITECTURAL CEILING PLAN FOR LOCATIONS AND CEILING TYPE. MODULE SIZES INCLUDE FLANGES.
2 UNLESS INDICATED OTHERWISE ON DRAWINGS.
3 NC VALUES ARE BASED ON ROOM ABSORPTION OF 10dB, RE 10 EXP-12 WATTS.
4 THROW VALUES ARE GIVEN FOR ISOTHERMAL TERMINAL VELOCITIES OF 50 FPM.

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STATE OF ALASKA – 49TH – TOM G. FERLAN – No. ME5092 – REGISTERED PROFESSIONAL ENGINEER

PCC II

SHELL AND CORE PACKAGE VOLUME II

Number	Date	By	Description of Revisions
1	12/7/00	SBE	ASI #19

Sheet Title
SCHEDULES - MECHANICAL

Scale NONE
Designed SBE Drawn DRA
Date 10/09/00 Checked LDS
Approved By Job Number 24863.00

Sheet Number
S&C M0.2

SCHEDULES - MECHANICAL
DX
C:\PROJECTS\200006\S&C\M02.dwg
11-15-2000 1557 hours

CABINET HEATER SCHEDULE

MARK	LOCATION	CAPACITY (MBH)	GPM (1)	WATER P.D. (FT. WATER)	MOTOR					TYPE	MANUFACTURER &MODEL NO.	WEIGHT (LBS)
					CFM	VOLT	F.L.A.	HP	RPM			
CABH-1	NORTH VESTIBULE	26.9	2.0	10.0	277	115	0.8	1/20	1080	VERTICAL CONCEALED	TRANE FFAB0301, 3H	81
CABH-2	SOUTH VESTIBULE	26.1	2.0	10.0	277	115	0.8	1/20	1080	VERTICAL CONCEALED	TRANE FFAB0301, 3H	81

FILENAME: 810-100

NOTES:
(1) GPM BASED ON EWT = 200 °F, LWT = 170 °F AND 50% GLYCOL/WATER MIXTURE.

PUMP SCHEDULE

MARK	SYSTEM	LOCATION	CAPACITY (GPM)	T.D.H. (FT.)	BHP	MOTOR				TYPE	REMARKS	MANUFACTURER & MODEL NO.
						HP	VOLT	PH	RPM			
P-1	GLYCOL HEATING SYSTEM	BOILER ROOM, PCC II ROOF	207	110	9.0	10	480	3	3500	IN-LINE		B&G SERIES 80, 2-1/2 X 2-1/2 X 7
P-2	GLYCOL HEATING SYSTEM	BOILER ROOM, PCC II ROOF	207	110	9.0	10	480	3	3500	IN-LINE		B&G SERIES 80, 2-1/2 X 2-1/2 X 7
P-3	BOILER CIRCULATING SYSTEM	BOILER ROOM, PCC II ROOF	124	20	1.3	1.5	480	3	1750	IN-LINE		B&G SERIES 80, 2-1/2 X 2-1/2 X 7
P-4	BOILER CIRCULATING SYSTEM	BOILER ROOM, PCC II ROOF	124	20	1.3	1.5	480	3	1750	IN-LINE		B&G SERIES 80, 2-1/2 X 2-1/2 X 7
P-5	SNOW MELT SYSTEM	PCCI MECH. ROOM 1XAX1-D	11	20	--	1/6	120	1	--	IN-LINE		GRUNDFOS UP 43-75F

FILENAME: 700-1

AIR SEPARATOR SCHEDULE

MARK	SYSTEM	LOCATION	SIZE (INCH)	GPM	Cv	MAX. DELTA P (FT. WATER)	REMARKS	MANUFACTURER & MODEL NO.	EQUIP. WEIGHT (LBS)
AS-1	HOT WATER HEATING SYSTEM	BOILER ROOM	5	207	215	1.00		B&G R-5	220

FILENAME: 700-100

UNIT HEATER SCHEDULE

MARK	UNIT SERVES	LOCATION	CAPACITY (MBH)	GPM (1)	EWT (°F)	LWT (°F)	P.D. (FT. WATER) (1)	MOTOR					TYPE	MANUFACTURER &MODEL NO.	EQUIP. WEIGHT (LBS)
								CFM	RPM	HP	VOLT	PH			
UH-1	BOILER ROOM	BOILER ROOM	52.7	4.1	200.0	170.0	0.5	1535	1550	1/8	120	1	HORIZONTAL PROPELLER	TRANE 100-S	85

FILENAME: 810-102

NOTES:
(1) BASED 50% GLYCOL/WATER MIXTURE.

BOILER SCHEDULE

MARK	TYPE	LOCATION	MIN. OUTPUT (LBS/HR) (MBH)	GAS INPUT (MBH) (KW)	BOILER HP	GPM	EWT (°F)	LWT (°F)	PRESSURE PSIG DESIGN	FLUE DIA.	BURNER MOTOR			NOTES	MANUFACTURER & MODEL NO.	WEIGHT (LBS.)
											HP	V	PH			
B-1	CAST IRON	BOILER ROOM	1714	2136	51.2	124	170	200	10	12	1.0	120	1	(1),(2)	BURNHAM V-911A WG	4700
B-2	CAST IRON	BOILER ROOM	1714	2136	51.2	124	170	200	10	12	1.0	120	1	(1),(2)	BURNHAM V-911A WG	4700

FILENAME: 700-3

NOTES:
(1) PROVIDE WITH POWER FLAME C2-G-20B GAS BURNER (0.5 PSI)
(2) FORCED DRAFT

EXPANSION TANK SCHEDULE

MARK	SYSTEM	LOCATION	APPROX. SYSTEM VOLUME (GAL)	TEMP RANGE (°F)		FILL PRESS. AT TANK (PSIG)	MAX. PRESS. (PSIG)	OPER.	TOTAL VOL. (GAL.)	MIN. ACCEPT. VOL. (GAL.)	TYPE	REMARKS	MANUFACTURER & MODEL NO.	OPER. WEIGHT (LBS)
				MIN.	MAX.		RELIEF VALVE	TANK						
ET-1	HOT WATER HEATING SYSTEM	BOILER ROOM	880.0	170.0	200.0	10.0	30.0	125.0	21.7	13.0	DIAPHRAGM		AMTROL ST-180V-C	500
ET-3	SNOW MELT SYSTEM	PCCI MECH. ROOM 1XAX1-D	126.0	95.0	125.0	10.0	30.0	100.0	2.0	0.9	DIAPHRAGM	(1)	AMTROL EXTROL MODEL 1500	9

FILENAME: 700-5

NOTES:
(1) PROVIDE 1-1/4" AIR PURGER AND #732 AUTOMATIC AIR VENT.

HEAT EXCHANGER SCHEDULE - WATER TO WATER

MARK	SYSTEM	LOCATION	MBH	COLD SIDE (1)				HOT SIDE (1)				REMARKS	MANUFACTURER & MODEL NO.	OPER. WEIGHT (LBS)
				GPM	PD (FT.)	EWT (°F)	LWT (°F)	GPM	PD (FT.)	EWT (°F)	LWT (°F)			
HX-2	SNOWMELT	PCCI MECH. ROOM 1XAX1-D	149.2	11.0	8.3	95	120	11.0	5.1	200	170	PLATE TYPE	TRANTER UX-055	140

FILENAME: 720-103

NOTES:
(1) BASED ON 50% GLYCOL/WATER MIXTURE.

FINNED TUBE RADIATOR SCHEDULE

MARK	LOCATION	M.B.H.	BTUH /FT (1)	G.P.M. (2)	MIN. FIN WIDTH	MIN. FIN HEIGHT	MIN. FIN SERIES PER FOOT	MIN. TUBE DIA	MIN. TUBE LENGTH	MAX. P.D. FT. W.G. (2)	REMARKS	MANUFACTURER & MODEL NO.
FTR-1	NORTH LOBBY	11.4	1140	0.9	3 1/4	5 1/4	58	1 1/4	10'-0"	0.10	(3),(4),(5)	TRANE BARE ELEMENT
FTR-2	SOUTH LOBBY	14.8	1140	1.1	3 1/4	5 1/4	58	1 1/4	13'-0"	0.10	(3),(4),(5)	TRANE BARE ELEMENT

FILENAME: COMSCHLES

NOTES:
(1) BTUH/FT BASED ON AVG. E.W.T. OF 185 °F AND 65°F E.A.T.
(2) BASED ON EWT = 200 °F, LWT = 170 °F AND 50% GLYCOL/WATER MIXTURE.
(3) ALUMINUM FIN CONSTRUCTION
(4) COPPER TUBE CONSTRUCTION
(5) REFER TO DETAIL 3/S&C M0.3/S&C M9-2.1

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PCC II

SHELL AND CORE PACKAGE VOLUME II

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NEI#: 200006

STATE OF ALASKA 49TH — TOM G. FERLAN, JR. No. ME5092 — REGISTERED PROFESSIONAL ENGINEER

Number	Date	By	Description of Revisions

Sheet Title
SCHEDULES - MECHANICAL

Scale NONE
Designed SBE — Drawn DRA
Date 10/09/00 — Checked LDS
Approved By — Job Number 2486300

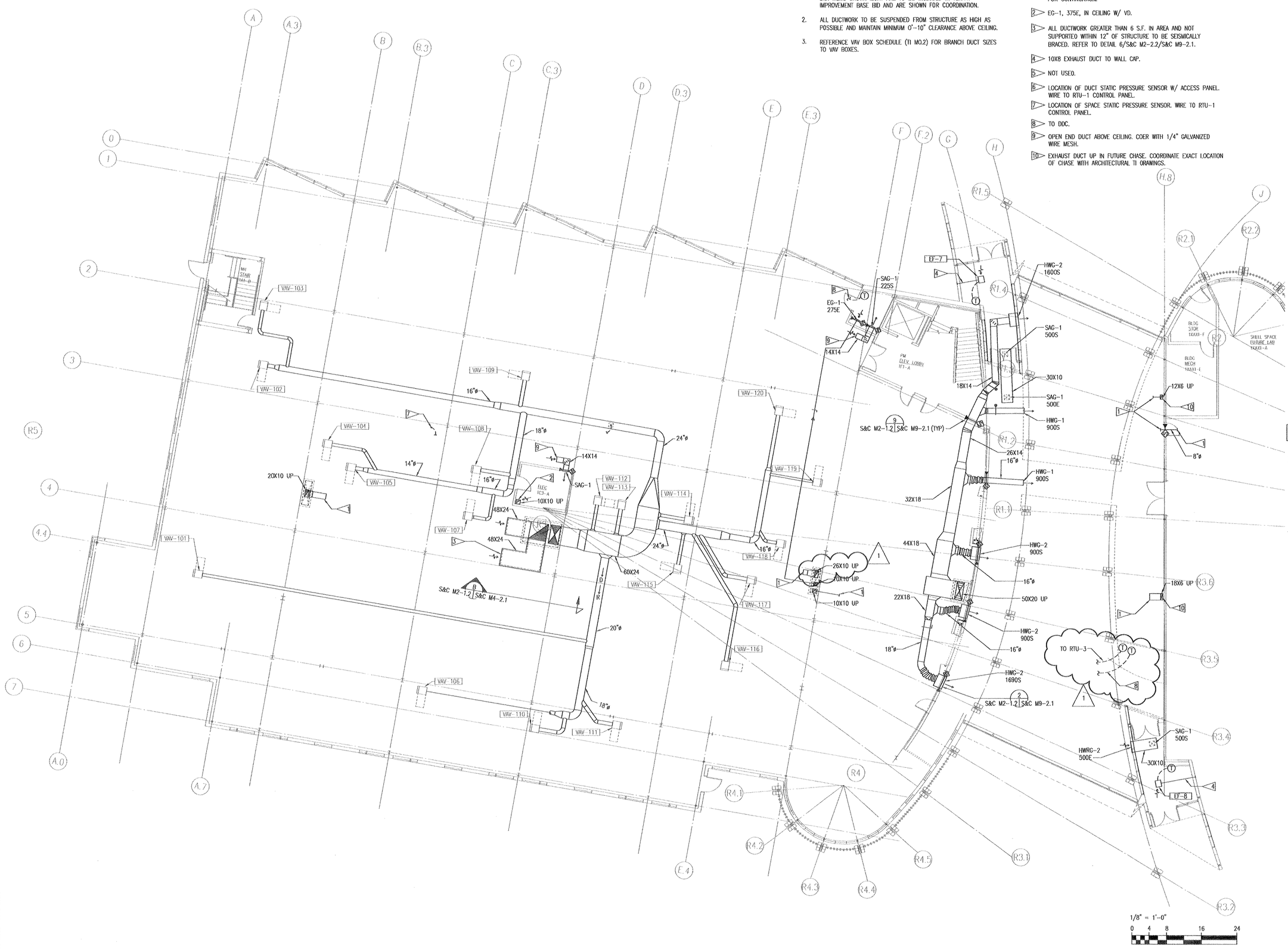
Sheet Number
S&C M0.3

GENERAL NOTES:

1. ITEMS SHOWN HEAVY ARE TO BE INCLUDED IN SHELL & CORE BASE BID. ITEMS SHOWN LIGHT ARE TO BE INCLUDED IN TENANT IMPROVEMENT BASE BID AND ARE SHOWN FOR COORDINATION.
2. ALL DUCTWORK TO BE SUSPENDED FROM STRUCTURE AS HIGH AS POSSIBLE AND MAINTAIN MINIMUM 0'-10" CLEARANCE ABOVE CEILING.
3. REFERENCE VAV BOX SCHEDULE (TI M0.2) FOR BRANCH DUCT SIZES TO VAV BOXES.

FLAG NOTES:

1. OPEN END DUCT FOR FUTURE CONNECTION. REFER TO TI M2-1.2 FOR CONTINUATION.
2. EG-1, 375E, IN CEILING W/ VD.
3. ALL DUCTWORK GREATER THAN 6 S.F. IN AREA AND NOT SUPPORTED WITHIN 12" OF STRUCTURE TO BE SEISMICALLY BRACED. REFER TO DETAIL 6/S&C M2-2.2/S&C M9-2.1.
4. 10X8 EXHAUST DUCT TO WALL CAP.
5. NOT USED.
6. LOCATION OF DUCT STATIC PRESSURE SENSOR W/ ACCESS PANEL. WIRE TO RTU-1 CONTROL PANEL.
7. LOCATION OF SPACE STATIC PRESSURE SENSOR. WIRE TO RTU-1 CONTROL PANEL.
8. TO DDC.
9. OPEN END DUCT ABOVE CEILING. COER WITH 1/4" GALVANIZED WIRE MESH.
10. EXHAUST DUCT UP IN FUTURE CHASE. COORDINATE EXACT LOCATION OF CHASE WITH ARCHITECTURAL TI DRAWINGS.



1/8" = 1'-0"
0 4 8 16 24

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STATE OF ALASKA 49TH
TOM G. FERLAN
No. MC5092
REGISTERED PROFESSIONAL ENGINEER

PCCII Addition | PCCI Existing

Key Plan
NTS

Number	Date	By	Description of Revisions
1	12/7/00	SBE	ASI #19

Sheet Title
PCC II LEVEL I - HVAC PLAN

Scale 1/8"=1'-0"
Designed SBE Drawn DA
Date 10/09/00 Checked LOS
Approved By Job Number 2486300

Sheet Number
S&C M2-1.2

PCC II LEVEL I - HVAC PLAN
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12-08-2000 1640 hours

GENERAL NOTES:

1. ITEMS SHOWN HEAVY ARE TO BE INCLUDED IN SHELL & CORE BASE BID. ITEMS SHOWN LIGHT ARE TO BE INCLUDED IN TENANT IMPROVEMENT BASE BID AND ARE SHOWN FOR COORDINATION.
2. ALL PIPING TO BE SUSPENDED FROM STRUCTURE AS HIGH AS POSSIBLE AND MAINTAIN MINIMUM 0'-10" CLEARANCE ABOVE CEILING.

FLAGNOTE:

1. REFER TO ARCHITECTURAL DRAWINGS FOR CONCEALED CABINET HEATER INSTALLATION REQUIREMENTS. REFER TO CABINET HEATER PIPING DETAIL 7/S&C M2-1.2a/S&C M9-2.1.
2. CONTINUE TO SNOW MELT MANIFOLD. REFER TO FOOTING & FOUNDATION SHEET P2-1.2 FOR LOCATION.

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CONTACT: LARRY D. SWARTZ, P.E.
NE#: 200006

STATE OF ALASKA — TODD G. FERLAN — No. ME5092 — REGISTERED PROFESSIONAL ENGINEER

PCC II

SHELL AND CORE PACKAGE VOLUME II

PCCII — Addition
PCCI — Existing

Key Plan

NTS

Number	Date	By	Description of Revisions

Sheet Title
PCC II LEVEL I - HVAC PIPING PLAN

Scale 1/8"=1'-0"
Designed SBE — Drawn DRA
Date 10/09/00 — Checked LDS
Approved By — Job Number 24863.00

Sheet Number
S&C M2-1.2a

1/8" = 1'-0"
0 4 8 16 24

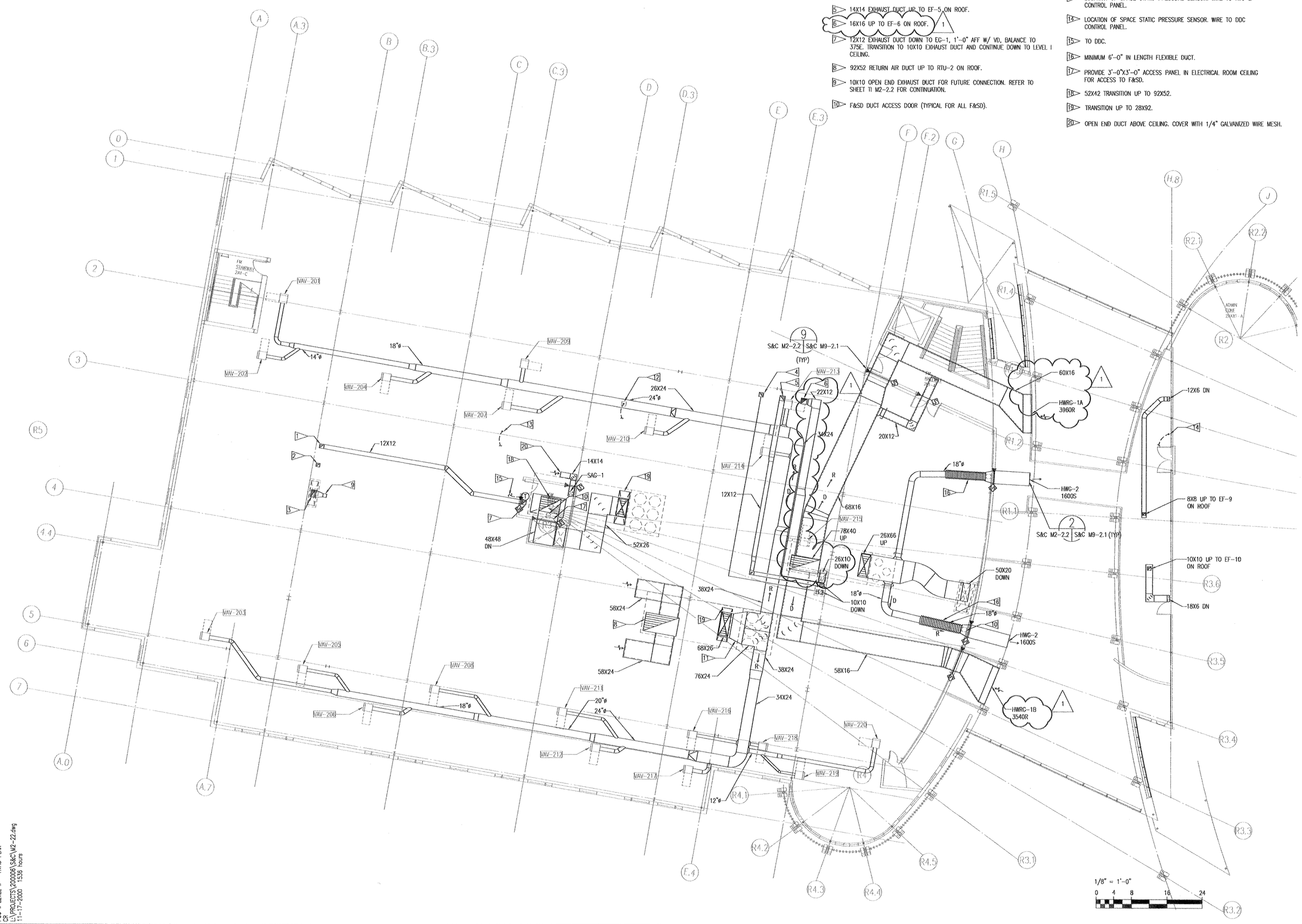
PCC II LEVEL I - HVAC PIPING PLAN
\PROJECTS\200006\S&C\M2-12A.dwg
3-29-2000 11:14 hours

GENERAL NOTES:

1. ITEMS SHOWN HEAVY ARE TO BE INCLUDED IN SHELL & CORE BASE BID. ITEMS SHOWN LIGHT ARE TO BE INCLUDED IN TENANT IMPROVEMENT BASE BID AND ARE SHOWN FOR COORDINATION.
2. ALL DUCTWORK TO BE SUSPENDED FROM STRUCTURE AS HIGH AS POSSIBLE AND MAINTAIN A MINIMUM 0'-10" CLEARANCE ABOVE CEILING.

FLAG NOTES:

1. 12X12 EXHAUST DUCT UP TO EF-1 ON ROOF.
2. 19X10 EXHAUST DUCT UP TO EF-2 ON ROOF.
3. 20X10 EXHAUST DUCT DOWN TO FIRST FLOOR CEILING SPACE. TRANSITION EXHAUST DUCT TO 16X16 AND UP TO EF-3 ON ROOF.
4. 10X10 EXHAUST DUCT UP TO EF-4 ON ROOF.
5. 14X14 EXHAUST DUCT UP TO EF-5 ON ROOF.
6. 16X16 UP TO EF-6 ON ROOF.
7. 12X12 EXHAUST DUCT DOWN TO EG-1, 1'-0" AFF W/ VD, BALANCE TO 375E. TRANSITION TO 10X10 EXHAUST DUCT AND CONTINUE DOWN TO LEVEL I CEILING.
8. 92X52 RETURN AIR DUCT UP TO RTU-2 ON ROOF.
9. 10X10 OPEN END EXHAUST DUCT FOR FUTURE CONNECTION. REFER TO SHEET TI M2-2.2 FOR CONTINUATION.
10. F&SD DUCT ACCESS DOOR (TYPICAL FOR ALL F&SD).
11. ALL DUCTWORK GREATER THAN 6.0 S.F. IN AREA AND NOT SUPPORTED WITHIN 12" OF STRUCTURE TO BE SEISMICALLY BRACED. REFER TO DETAIL 6/S&C M2-2.2/S&C M9-2.1.
12. LOCATION OF DUCT STATIC PRESSURE SENSOR W/ ACCESS PANEL. WIRE TO RTU-2 CONTROL PANEL.
13. LOCATION OF SPACE STATIC PRESSURE SENSOR. WIRE TO RTU-2 CONTROL PANEL.
14. LOCATION OF SPACE STATIC PRESSURE SENSOR. WIRE TO DDC CONTROL PANEL.
15. TO DDC.
16. MINIMUM 6'-0" IN LENGTH FLEXIBLE DUCT.
17. PROVIDE 3'-0"X3'-0" ACCESS PANEL IN ELECTRICAL ROOM CEILING FOR ACCESS TO F&SD.
18. 52X42 TRANSITION UP TO 92X52.
19. TRANSITION UP TO 28X92.
20. OPEN END DUCT ABOVE CEILING. COVER WITH 1/4" GALVANIZED WIRE MESH.



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PCC II

SHELL AND CORE PACKAGE VOLUME II

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STATE OF ALASKA — 49TH — TOM G. FERLAN — No. ME5092 — REGISTERED PROFESSIONAL ENGINEER

PCCII Addition / PCCI Existing

Key Plan
NTS

Number	Date	By	Description of Revisions
1	12/1/00	SBE	AGT sht 19

Sheet Title
PCC II LEVEL II - HVAC PLAN

Scale 1/8"=1'-0"
Designed SBE Drawn DRA
Date 10/09/00 Checked LDS
Approved By Job Number 2486300

Sheet Number
S&C M2-2.2

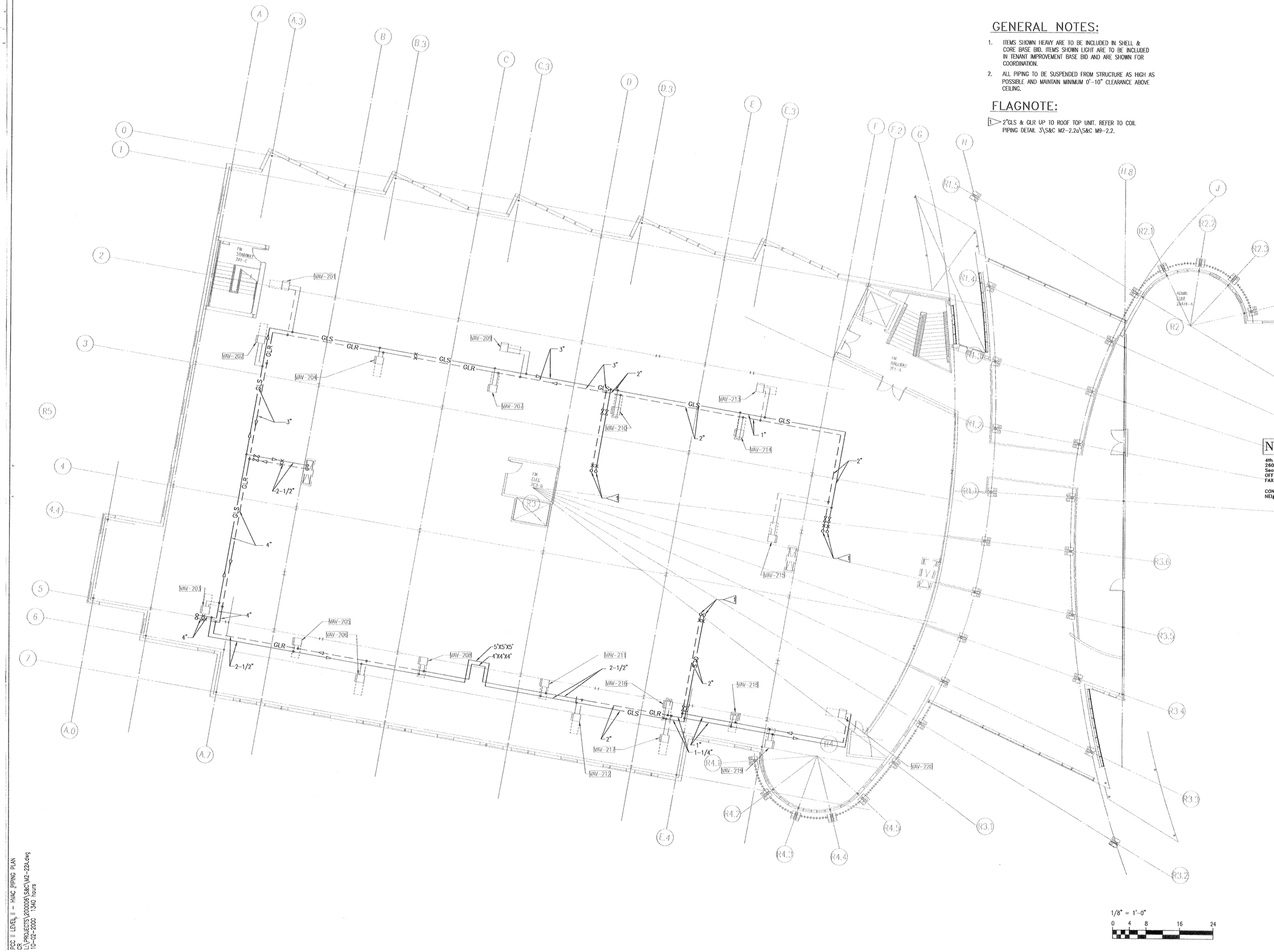
PCC II LEVEL II - HVAC PLAN
CR
L:\PROJECTS\200006\S&C\M2-22.dwg
11-17-2000 15:58 Hours

GENERAL NOTES:

1. ITEMS SHOWN HEAVY ARE TO BE INCLUDED IN SHELL & CORE BASE BID. ITEMS SHOWN LIGHT ARE TO BE INCLUDED IN TENANT IMPROVEMENT BASE BID AND ARE SHOWN FOR COORDINATION.
2. ALL PIPING TO BE SUSPENDED FROM STRUCTURE AS HIGH AS POSSIBLE AND MAINTAIN MINIMUM 0'-10" CLEARANCE ABOVE CEILING.

FLAGNOTE:

1 > 2"GLS & GLR UP TO ROOF TOP UNIT. REFER TO COIL PIPING DETAIL 3\S&C M2-2.2a\S&C M9-2.2.



1/8" = 1'-0"

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STATE OF ALASKA — TOM G. FERLAN — No. ME5092 — REGISTERED PROFESSIONAL ENGINEER

PCC II

SHELL AND CORE PACKAGE VOLUME II

PCCII — Addition
PCCI — Existing

Key Plan
NTS

Number	Date	By	Description of Revisions

Sheet Title
PCC II LEVEL II - HVAC PIPING PLAN

Scale 1/8"=1'-0"
Designed SBE — Drawn DRA
Date 10/09/00 — Checked LDS
Approved By — Job Number 24865.00

Sheet Number

S&C M2-2.2a

PCC II LEVEL II - HVAC PIPING PLAN
DGN: S&C
L:\PROJECTS\200006\S&C\M2-224.dng
10-02-2000 13:40 hours

GENERAL NOTES:

1. MECHANICAL CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR, INSTALLATION OF GYPSUM BOARD (TWO 5/8" LAYERS) WITHIN SOUND ATTENUATED ROOF CURBS (RTU-1, RTU-2 & RTU-3). REFER TO ROOF CURB MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR REQUIREMENTS.

2. MECHANICAL CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR, INSTALLATION OF ROOF INSULATION WITHIN VOID AREAS OF ALL ROOF CURBS.

EF-1
EF-2
EF-3
EF-4
EF-5
EF-6
EF-9
EF-10
RTU-1
RTU-2
RTU-3
SEE 1 S&C M2-3.2 S&C M4-2.1 FOR THIS AREA

1/8" = 1'-0"
0 4 8 16 24

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TOM G. FERLAN
No. ME5092
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PCC II

SHELL AND CORE PACKAGE VOLUME II

PCCII Addition | PCCI Existing

Key Plan
NTS

Number	Date	By	Description of Revisions

Sheet Title
PCC II ROOF PLAN - HVAC

Scale 1/8"=1'-0"
Designed SBE Drawn DRA
Date 10/09/00 Checked LDS
Approved By Job Number 2480.00

Sheet Number
S&C M2-3.2

PCC II ROOF PLAN - HVAC
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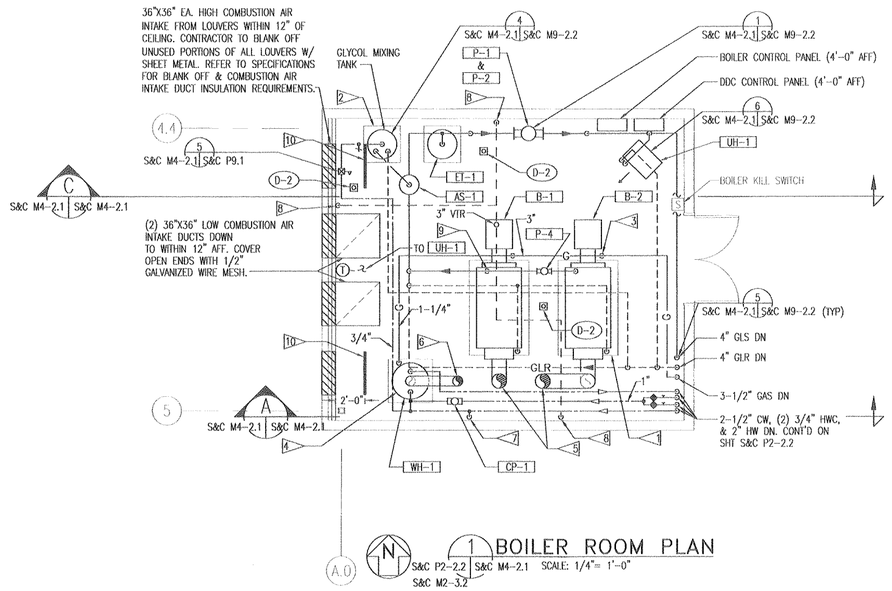
10-02-2000 15:47 hours



1 BOILER ROOM PLAN
S&C P2-2.2 | S&C M4-2.1 SCALE: 1/4"= 1'-0"
S&C M2-3.2

GENERAL NOTES:

1. MAINTAIN MIN. 3'-0" SERVICE CLEARANCE AROUND BOILERS.
2. REFER TO 1/S&C M4-2.1/S&C M9-2.1 FOR HEATING WATER PIPING DIAGRAM
3. ALL PIPING IN BOILER ROOM (LARGER THAN 1-1/4") SUSPENDED FROM STRUCTURE BY HANGERS GREATER THAN 12" IN LENGTH TO BE SEISMICALLY BRACED. REFER TO DETAIL 8/S&C M4-2.1/S&C M9-2.1.
4. CONTRACTOR TO ROUTE 1/2" VENTS FROM BOILER AND WATER HEATER GAS TRAINS UP THRU ROOF AND TERMINATE (MIN. 2'-0" ABOVE) IN GOOSENECK.

FLAG NOTES:

1. CONCRETE PAD. EXTEND 6" BEYOND BOILER. SEE STRUCTURAL DRAWINGS. (TYPICAL FOR BOTH BOILERS).
2. 4" CONCRETE PAD. (TYP. FOR WH-1, ET-1 & GLYCOL MIXING TANK). EXTEND 6" BEYOND EQUIPMENT.
3. 3" GAS DN TO B-1. PROVIDE 6" DIRT LEG, GAS COCK AND UNION (TYPICAL FOR B-2).
4. REFER TO 4/S&C M4-2.1/S&C P9.1 GAS WATER HEATER DETAIL.
5. 12"ø FLUE UP. SEE STACK DETAIL 2/S&C M4-2.1/S&C M9-2.2.
6. 8"ø FLUE UP. SEE STACK DETAIL 2/S&C M4-2.1/S&C M9-2.2.
7. 1/2" CW DN W/ BALL VALVE TO TPV-3.
8. 2" V DN.
9. P-3 IN VERTICAL.
10. CONTRACTOR TO PROVIDE MINIMUM 16 GAUGE SHEET METAL MIN. 2'-0" FROM LOUVER OPENING TO PROTECT BOILER ROOM FROM DRAFT. SHEET METAL TO COVER ENTIRE LOUVER OPENING.

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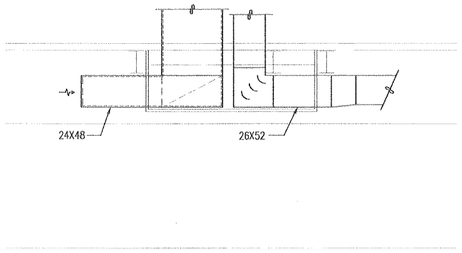
PCC II

SHELL AND CORE PACKAGE VOLUME II

C BOILER ROOM SECTION
S&C M4-2.1 | S&C M4-2.1 SCALE: 1/4" = 1'-0"



B DUCT CHASE SECTION
S&C M2-1.2 | S&C M4-2.1 SCALE: 1/4" = 1'-0"

A BOILER ROOM SECTION
S&C M4-2.1 | S&C M4-2.1 SCALE: 1/4" = 1'-0"

NOTES:

1. STACK HEIGHT AT LEAST 2 FEET HIGHER THAN ANY PORTION OF A BUILDING WITHIN 10 FEET.
2. SEE STACK DETAIL 2/S&C M4-2.1/S&C M9-2.2.

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Number	Date	By	Description of Revisions

Sheet Title
PCC II MECHANICAL ROOM PLAN AND SECTIONS

Scale 1/4"=1'-0"
Designed SBE Drawn DRA
Date 10/09/00 Checked LDS
Approved By Job Number 24863.00

Sheet Number
S&C M4-2.1

SCALE: 1/4"=1'-0"
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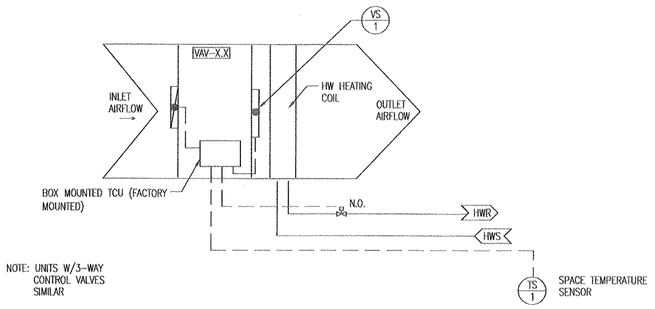
10-03-2000 0838 hours



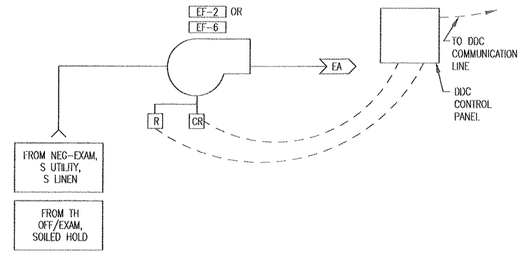
2 VAV TERMINAL BOXES (VAV-X)

S&C M-7.01 | S&C M-7.01 SCALE: NONE

A. GENERAL: THE UNIT DAMPER MODULATES TO MAINTAIN A SPACE TEMPERATURE SETPOINT (ADJUSTABLE) OF 70°F. FOR HEATING AND 78° F. FOR COOLOING AS SENSED BY TS/1. BETWEEN 70°F. AND 78°F. SPACE TEMPERATURE, THE AIR DAMPER MODULATES FROM MINIMUM TO MAXIMUM AIRFLOW AS SCHEDULED. HEATING COILS ARE NOT ACTIVATED UNTIL SPACE TEMPERATURE AS SENSED BY TS/1 DROPS TO 70°F. HEATING COIL CONTROL VALVE SHALL MODULATE TO MAINTAIN 70° F. SPACE TEMPERATURE. ABOVE 70°F. HEATING COIL VALVE SHALL BE CLOSED.

B. UNOCCUPIED MODE: ROOFTOP UNIT SHALL BE CYCLED ON. VAV BOX DAMPER SHALL OPEN FULLY WITH HEATING COILS ACTIVATED TO MAINTAIN NIGHT SETBACK TEMPERATURE OF 60°F. FOR HEATING. VAV BOX SHALL OPEN TO MAINTAIN NIGHT SETBACK OF 85°F. FOR COOLING. SETBACK TEMPERATURE SHALL BE ADJUSTABLE.

C. WARMUP MODE: ROOFTOP UNIT (RTU-X) SHALL BE OPERATING. VAV BOX DAMPER SHALL OPEN TO MAINTAIN 70°F. SPACE TEMPERATURE. VAV BOX HEATING COILS SHALL BE CLOSED WITH RTU HEATING COIL PROVIDING HEAT.

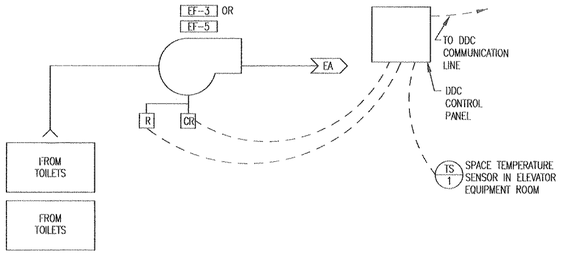


EXHAUST FAN CONTROL 3 DIAGRAM (EF-2) AND (EF-6)

S&C M-7.01 | S&C M-7.01 SCALE: NONE

EXHAUST FAN (EF-2) AND (EF-6):

A. GENERAL: (EF-2) AND (EF-6): EXHAUST FANS EF-2 AND EF-6 SHALL RUN CONTINUOUSLY. DDC SYSTEM SHALL ALARM UPON FAN SHUTDOWN.



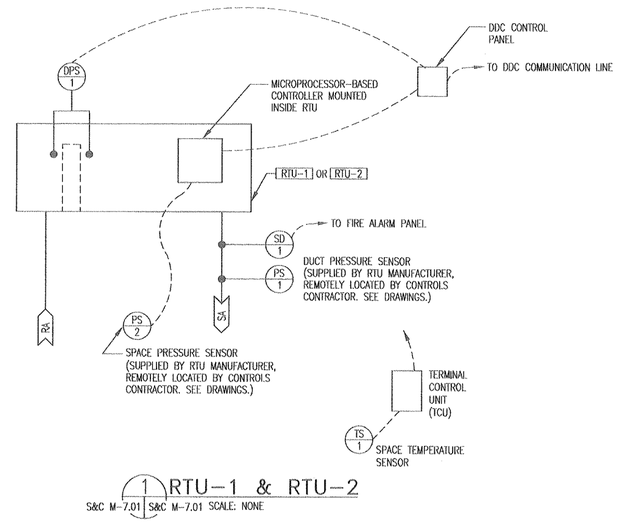
EXHAUST FAN CONTROL 4 DIAGRAM (EF-3) AND (EF-5)

S&C M7-0.1 | S&C M-7.01 SCALE: NONE

EXHAUST FAN (EF-3) AND (EF-5):

A. GENERAL (EF-3) AND (EF-5): EXHAUST FANS EF-3 AND EF-5 SHALL RUN BASED UPON BUILDING OCCUPIED MODE. DDC SYSTEM SHALL ALARM UPON FAN SHUTDOWN DURING OCCUPIED MODE. FANS SHALL NOT RUN DURING WARM UP.

B. (EF-5): WHEN SPACE TEMPERATURE EXCEEDS THE SETPOINT OF 85°F, AS SENSED BY TS/1, EF-5 SHALL OVERRIDE UNOCCUPIED MODE AND RUN. DDC SHALL ALARM UPON SPACE TEMPERATURE EXCEEDING 95°F, AS SENSED BY TS/1.



1 RTU-1 & RTU-2

S&C M-7.01 | S&C M-7.01 SCALE: NONE

SEQUENCE OF OPERATION

ROOFTOP UNIT VARIABLE AIR VOLUME:

A. GENERAL: ROOFTOP UNIT INCLUDES VARIABLE AIR VOLUME SUPPLY AND EXHAUST FANS. UNIT SHALL PROVIDE OUTSIDE AIR VENTILATION, ECONOMIZER COOLING, DIRECT EXPANSION (DX) COOLING, AND HOT WATER PREHEAT. RTU-1 SERVES LEVEL I SPACES AND RTU-2 SERVES LEVEL II SPACES IN OCCUPIED AND UNOCCUPIED MODES OF OPERATION. UNITS SHALL OPERATE BASED UPON A SCHEDULE PROVIDED BY THE OWNER.

B. OCCUPIED MODE: THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY. ECONOMIZER DAMPERS SHALL BE IN THE MINIMUM OUTSIDE AIR POSITION UNLESS THERE IS A CALL FOR COOLING.

DISCHARGE AIR TEMPERATURE TO BE RESET BY ZONE TEMPERATURES SERVED BY THE ROOFTOP UNIT. IF ONE OR MORE OF THE ZONES CALL FOR COOLING (SPACE TEMPERATURE ABOVE 78° F) AND THE OUTSIDE AIR TEMPERATURE (AS SENSED BY TS/OSA) IS LESS THAN THE ECONOMIZER HIGH LIMIT OF 60° F, DAMPERS SHALL MODULATE BETWEEN MINIMUM AND FULL OPEN TO MAINTAIN DISCHARGE AIR TEMPERATURE OF 55° F. DAMPERS WILL RETURN TO MINIMUM IF OUTSIDE AIR TEMPERATURE EXCEEDS ECONOMIZER HIGH LIMIT.

C. UNOCCUPIED MODE: THE SUPPLY FAN WILL CYCLE ON AND OFF TO MAINTAIN SPACE TEMPERATURE AT SETPOINT OF 60° F FOR HEATING AND 85° F FOR COOLING, AS SENSED BY TS/1 FOR ALL ZONES. DURING HEATING SEQUENCE ZONE COILS WILL HEAT SPACE WITH ECONOMIZER IN FULL RECIRCULATION POSITION. DURING COOLING SEQUENCE, ECONOMIZER DAMPERS AND DX COIL AT ROOFTOP UNIT WILL MAINTAIN NIGHT SETBACK.

D. WARM UP MODE: ROOFTOP UNIT SHALL START ON AN OPTIMIZED START PROGRAM THAT TAKES INTO ACCOUNT CURRENT SPACE TEMPERATURE, OUTSIDE AIR TEMPERATURE, AND PREVIOUS SYSTEM PERFORMANCE UNDER SIMILAR CONDITIONS. OPTIMUM START PROGRAM WILL DELAY OR ACCELERATE ROOFTOP UNIT.

E. HEATING MODE: UPON A CALL FOR HEATING (SPACE TEMPERATURE BELOW 70° F SETPOINT AS SENSED BY TS/1) THE ROOFTOP UNIT PREHEAT COIL CONTROL VALVE SHALL OPEN TO SATISFY DISCHARGE AIR TEMPERATURE SETPOINT.

F. COOLING MODE: UPON A CALL FOR COOLING (SPACE TEMPERATURE ABOVE 78°F SETPOINT AS SENSED BY TS/1) THE ECONOMIZER DAMPERS WILL MODULATE TO MAINTAIN 55°F ECONOMIZER SETPOINT. LIMIT MINIMUM DISCHARGE AIR TEMPERATURE TO 55°F. ON A CONTINUED CALL FOR COOLING, THE DX COIL SHALL MAINTAIN 55° F SETPOINT AND DAMPERS SHALL GO TO MINIMUM POSITION.

G. VSD CONTROLS SUPPLY FAN SPEED AND SHALL MODULATE TO MAINTAIN DUCT STATIC PRESSURE AS SENSED BY PS/1 IN THE SUPPLY DUCT.

H. VSD CONTROLS EXHAUST FAN SPEED AND SHALL MODULATE TO MAINTAIN A SLIGHTLY POSITIVE INDOOR PRESSURE (0.05") AS SENSED BY PS/2 IN THE SPACE, COMPARED TO THE ATMOSPHERIC PRESSURE.

I. FREEZE PROTECTION: UNIT SHALL SHUT DOWN AND MIXING DAMPERS SHALL CLOSE IF THE MANUALLY RESET LOW LIMIT THERMOSTAT SENSES AIR TEMPERATURE LEAVING THE PREHEAT COIL BELOW 35° F SETPOINT. PROVIDE SEPARATE ALARM POINT FOR THE LOW LIMIT THERMOSTAT.

J. FILTERS: A DIFFERENTIAL PRESSURE SWITCH MOUNTED AT THE FILTERS SHALL ALARM WHEN THE FILTERS ARE DIRTY AND NEED CHANGING.

K. SMOKE SHUTDOWN: DIVISION 16 SHALL CONTROL DUCT MOUNTED SMOKE DETECTOR SD/1 TO DEACTIVATE THE UNIT IF SMOKE IS SENSED IN THE SUPPLY AIR DUCT. NOTE: SMOKE DETECTOR SHALL TRIP FIRE ALARM PANEL.

CONTROL LEGEND

- TS 1 — TEMPERATURE SENSOR
- DPS 1 — DIFFERENTIAL PRESSURE SENSOR
- PS 1 — PRESSURE SENSOR
- SD 1 — SMOKE DETECTOR
- VS 1 — VELOCITY SENSOR
- R.A. — RETURN AIR
- E.A. — EXHAUST AIR
- S.A. — SUPPLY AIR
- CONTROL DAMPER WITH OPERATOR
- R — DDC CONTROLLED RELAY
- CR — CURRENT SENSING RELAY
- TCU — TERMINAL CONTROL UNIT

DDC CONTROL SYSTEM POINTS LIST

DESCRIPTION	TYPE OF POINT	ALARM	COMMENT
ROOF TOP UNIT (RTU-1 AND RTU-2):			
START/STOP	DO	YES	
HIGH DUCT TEMPERATURE THERMOSTAT	DI	YES	MONITORED
OCCUPIED/UNOCCUPIED	DO	YES	
SUPPLY FAN FAILURE	DI	YES	MONITORED
EXHAUST FAN FAILURE	DI	YES	MONITORED
FILTER DELTA P	DI	YES	
SUPPLY FAN VFD POSITION	AI		MONITORED
EXHAUST FAN VFD POSITION	AI		MONITORED
ECONOMIZER ACTUATOR POSITION	AI		MONITORED
UNOCCUPIED ZONE COOLING SETPOINT	AO		ADJUSTABLE
UNOCCUPIED ZONE HEATING SETPOINT	AO		ADJUSTABLE
SUPPLY AIR COOLING SETPOINT	AO		ADJUSTABLE
SUPPLY AIR HEATING SETPOINT	AO		ADJUSTABLE
SPACE STATIC PRESSURE SETPOINT	AO		ADJUSTABLE
SUPPLY AIR STATIC PRESSURE SETPOINT	AO		ADJUSTABLE
FREEZE THERMOSTAT	DI	YES	MONITORED
SMOKE DETECTOR STATUS (SD-1)	DI	YES	MONITORED
TYPICAL VAV BOX (VAV-X)			
DAMPER	AO		0 - 10 VOLT
VOLUME	AI	YES	
MIN/MAX SETPOINT	AO		
DISCHARGE AIR TEMPERATURE (TS/2)	AI	YES	
SPACE TEMPERATURE (TS/1)	AI	YES	
SPACE TEMPERATURE OVERIDE	DI		
SPACE TEMPERATURE SETPOINT	AO		ADJUSTABLE
CONTROL VALVE	AO		4 - 20 mA
EXHAUST FAN (EF-1):			
EXHAUST FAN START/STOP	DO		
EXHAUST FAN STATUS	DI	YES	VIA CURRENT SENSING RELAY
EXHAUST FAN (EF-2):			
EXHAUST FAN START/STOP	DO		
EXHAUST FAN STATUS	DI	YES	VIA CURRENT SENSING RELAY
EXHAUST FAN (EF-3):			
EXHAUST FAN START/STOP	DO		
EXHAUST FAN STATUS	DI	YES	VIA CURRENT SENSING RELAY
EXHAUST FAN (EF-5):			
EXHAUST FAN START/STOP	DO		
EXHAUST FAN STATUS	DI	YES	VIA CURRENT SENSING RELAY
SPACE TEMPERATURE (TS/1)	AI	YES	
EXHAUST FAN (EF-6):			
EXHAUST FAN START/STOP	DO		
EXHAUST FAN STATUS	DI	YES	VIA CURRENT SENSING RELAY

FILENAME: DDC2.XLS

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PCC II

SHELL AND CORE PACKAGE VOLUME II

STATE OF ALASKA — 49TH — TOM G. FERLAN — No. ME5092 — REGISTERED PROFESSIONAL ENGINEER

Number	Date	By	Description of Revisions

Sheet Title
CONTROL DIAGRAMS

Scale NONE
Designed SBE | Drawn CR
Date 10/09/00 | Checked LDS
Approved By | Job Number 2486300

Sheet Number
S&C M7-0.1

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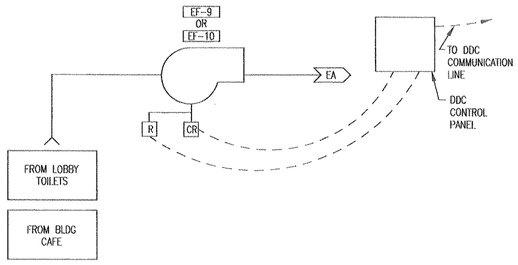
09-25-2000 1355 hours
CONTROL DIAGRAMS

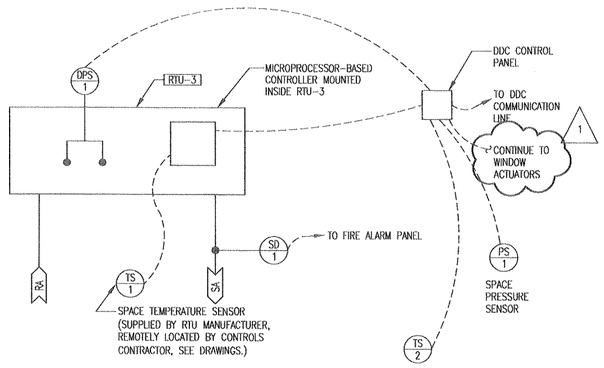


EXHAUST FAN CONTROL DIAGRAM (EF-9) AND (EF-10)

2 S&C M7-02 | S&C M7-0.2 SCALE: NONE

EXHAUST FAN (EF-9) & (EF-10):

A. GENERAL (EF-9) & (EF-10): EXHAUST FAN EF-9 & EF-10 SHALL RUN BASED UPON BUILDING OCCUPIED MODE. DDC SYSTEM SHALL ALARM UPON FAN SHUTDOWN DURING OCCUPIED MODE. FANS SHALL NOT RUN DURING WARM UP.



RTU-3

1 S&C M7-0.2 | S&C M7-0.2 SCALE: NONE

SEQUENCE OF OPERATION

ROOFTOP UNIT CONSTANT VOLUME:

A. GENERAL: ROOFTOP UNIT INCLUDES CONSTANT VOLUME SUPPLY FAN. RTU-3 UNIT SERVES THE LOBBY. UNIT SHALL PROVIDE OUTSIDE AIR VENTILATION, ECONOMIZER COOLING, DIRECT EXPANSION (DX) COOLING, AND HOT WATER HEATING FOR THE LOBBY IN OCCUPIED AND UNOCCUPIED MODES OF OPERATION.

B. OCCUPIED MODE: THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY. ECONOMIZER DAMPERS SHALL BE IN THE MINIMUM OUTSIDE AIR POSITION UNLESS THERE IS A CALL FOR COOLING. THE ROOFTOP UNIT HEATING COIL CONTROL VALVE WILL MODULATE OPEN TO SATISFY SPACE TEMPERATURE AS SENSED BY TS/1. IF TS/1 CALLS FOR COOLING AND THE OUTSIDE AIR TEMPERATURE (AS SENSED BY TS/OSA) IS LESS THAN THE ECONOMIZER HIGH LIMIT OF 60°F, DAMPERS SHALL MODULATE BETWEEN MINIMUM AND FULL OPEN TO MAINTAIN DISCHARGE AIR TEMPERATURE OF 55°F. DAMPERS WILL RETURN TO MINIMUM POSITION IF OUTSIDE AIR TEMPERATURE EXCEEDS ECONOMIZER HIGH LIMIT.

C. UNOCCUPIED MODE: THE SUPPLY FAN SHALL OPERATE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AT SETBACK OF 60°F (AS SENSED BY TS/1) FOR HEATING AND 85°F FOR COOLING (ADJUSTABLE).

D. WARM-UP MODE: ROOFTOP UNIT SHALL START ON AN OPTIMIZED START PROGRAM THAT TAKES INTO ACCOUNT CURRENT SPACE TEMPERATURE, OUTSIDE AIR TEMPERATURE, AND PREVIOUS SYSTEM PERFORMANCE UNDER SIMILAR CONDITIONS. OPTIMUM START PROGRAM WILL DELAY OR ACCELERATE ROOFTOP UNIT START TIME TO MINIMIZE THE UNIT RUN TIME BUT BRING THE SPACE INTO OCCUPIED TEMPERATURE RANGE OF 68°F AT SCHEDULED OCCUPANCY TIME. UPON UNIT STARTUP, OUTSIDE AND EXHAUST DAMPERS SHALL BE FULLY CLOSED, HEATING COIL VALVE SHALL BE MODULATED OPEN TO PROVIDE HEATING TO SPACE. WHEN SPACE TEMPERATURE REACHES 68°F, RTU SHALL BE PUT INTO NORMAL OCCUPIED MODE.

E. HEATING MODE: ON A CALL FOR HEATING THE ROOFTOP UNIT HEATING COIL CONTROL VALVE SHALL MODULATE OPEN TO SATISFY SPACE TEMPERATURE OF 68°F AS SENSED BY TS/1.

F. COOLING MODE: UPON A CALL FOR COOLING THE ECONOMIZER DAMPERS SHALL MODULATE TO MAINTAIN 55°F ECONOMIZER SETPOINT. ON A CONTINUED CALL FOR COOLING THE DX COIL SHALL MAINTAIN 55°F SETPOINT AND DAMPERS SHALL GO TO MINIMUM POSITION. LIMIT MINIMUM DISCHARGE AIR TEMPERATURE TO 55°F AS SENSED BY TS/1.

G. FREEZE PROTECTION: UNIT SHALL SHUT DOWN AND MIXING DAMPERS SHALL CLOSE IF THE MANUALLY RESET LOW LIMIT THERMOSTAT SENSES AIR TEMPERATURE LEAVING THE HEATING COIL BELOW 35°F SETPOINT. PROVIDE SEPARATE ALARM POINT FOR THE LOW LIMIT THERMOSTAT.

H. FILTERS: A DIFFERENTIAL PRESSURE SWITCH MOUNTED AT THE FILTERS SHALL MONITOR FILTER LOADING AND ALARM WHEN THE FILTERS ARE DIRTY.

I. SMOKE SHUTDOWN: DUCT MOUNTED SMOKE DETECTOR (SD/1) SHALL DEACTIVATE THE ROOFTOP UNIT DOWN IF SMOKE IS SENSED IN THE SUPPLY AIR DUCT. DETECTOR AND WIRING ARE BY DIV. 16. PROVIDE SEPARATE ALARM POINT FOR THE DUCT MOUNTED SMOKE DETECTOR.

LOBBY RELIEF AIR (OPERABLE WINDOWS): 1

A. DDC SYSTEM TO ACTUATE OPERABLE WINDOWS IN LOBBY FOR CONTROL OF SPACE PRESSURE. THE WINDOWS SHALL OPEN IN SEQUENCE TO MAINTAIN A SLIGHTLY POSITIVE PRESSURE (0.05") IN THE SPACE AS SENSED BY PS/1.

B. DDC SYSTEM SHALL OPEN WINDOWS, VIA CONTACTS ON WINDOW ACTUATOR, WHEN WINDOW ACTUATOR IS IN AUTOMATIC MODE. REFER TO ARCHITECTURAL DRAWINGS FOR NUMBER OF ACTUATORS AND LOCATIONS. DDC SYSTEM SHALL SEQUENCE THE OPENING OF THE LOBBY WINDOWS AS FOLLOWS:

WHEN SPACE PRESSURE SET POINT IS EXCEEDED, SYSTEM SHALL OPEN ONE WINDOW. AFTER A TIME PERIOD (SET BY OPERATOR), IF SPACE PRESSURE SET POINT IS EXCEEDED, SYSTEM SHALL OPEN SECOND WINDOW. AFTER A TIME PERIOD, IF SPACE PRESSURE SET POINT IS EXCEEDED, SYSTEM SHALL OPEN THIRD WINDOW AND SO ON.

SYSTEM SHALL CLOSE WINDOWS IN THE SAME MANOR TO MAINTAIN SPACE PRESSURE SETPOINT.

DDC CONTROL SYSTEM POINTS LIST

DESCRIPTION	TYPE OF POINT	ALARM	COMMENT
ROOF TOP UNIT (RTU-3):			
START/STOP	DO	YES	
HIGH DUCT TEMPERATURE THERMOSTAT	DI	YES	MONITORED
OCCUPIED/UNOCCUPIED	DO	YES	
SUPPLY FAN FAILURE	DI	YES	MONITORED
FILTER DELTA P	DI	YES	
ECONOMIZER ACTUATOR POSITION	AI		MONITORED
OCCUPIED ZONE COOLING SETPOINT	AO		ADJUSTABLE
OCCUPIED ZONE HEATING SETPOINT	AO		ADJUSTABLE
UNOCCUPIED ZONE COOLING SETPOINT	AO		ADJUSTABLE
UNOCCUPIED ZONE HEATING SETPOINT	AO		ADJUSTABLE
SPACE TEMPERATURE SENSOR(TS/2)	AI		
FREEZE THERMOSTAT	DI	YES	MONITORED
SMOKE DETECTOR STATUS (SD-1)	DI	YES	MONITORED
EXHAUST FAN (EF-9):			
EXHAUST FAN START/STOP	DO		
EXHAUST FAN STATUS	DI	YES	VIA CURRENT SENSING RELAY
EXHAUST FAN (EF-10):			
EXHAUST FAN START/STOP	DO		
EXHAUST FAN STATUS	DI	YES	VIA CURRENT SENSING RELAY
MISCELLANEOUS:			
SPACE PRESSURE SENSOR	AI	YES	
WINDOW ACTUATOR	AO		

1

FILENAME: DDC1.XLS

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STATE OF ALASKA 49TH TOM G. FERLAN No. ME5092 REGISTERED PROFESSIONAL ENGINEER

Number	Date	By	Description of Revisions
1	12/7/00	SBE	ASI #19

Sheet Title
CONTROL DIAGRAMS

Scale NONE
Designed SBE | Drawn CR
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Approved By | Job Number 24863.00

Sheet Number

S&C M7-0.2

CONTROL DIAGRAMS
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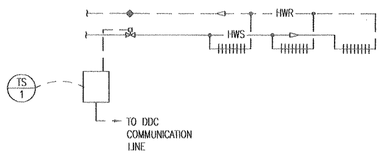
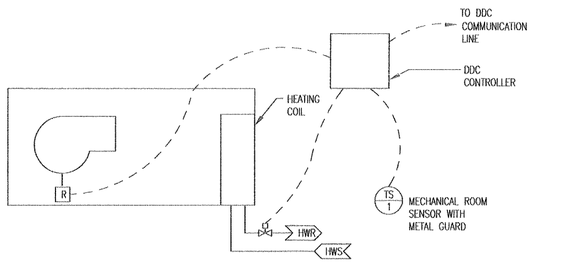


2 FINNED TUBE RADIATION (FTR-X)

S&C M7-0.3 | S&C M7-0.3 SCALE: NONE

A. GENERAL: THE FINNED TUBE ELEMENTS SERVE LOBBY.

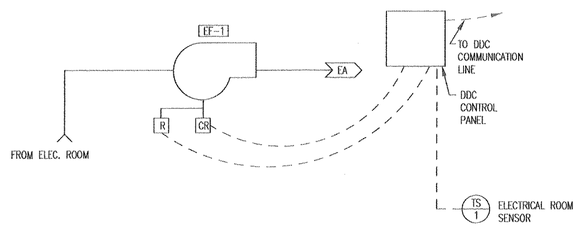
B. THE HEATING CONTROL VALVE MODULATE TO MAINTAIN OF 70°F (AS SENSED BY TS/1).



3 UNIT HEATER (UH-1)

S&C M7-0.3 | S&C M7-0.3 SCALE: NONE

A. GENERAL: UNIT HEATER SHALL BE BROUGHT ON AND THE HEATING COIL CONTROL VALVE SHALL BE MODULATED TO MAINTAIN SPACE TEMPERATURE SETPOINT OF 55°F AS SENSED BY TS/1. DDC SHALL ALARM IF SPACE TEMPERATURE DROPS BELOW 40°F.

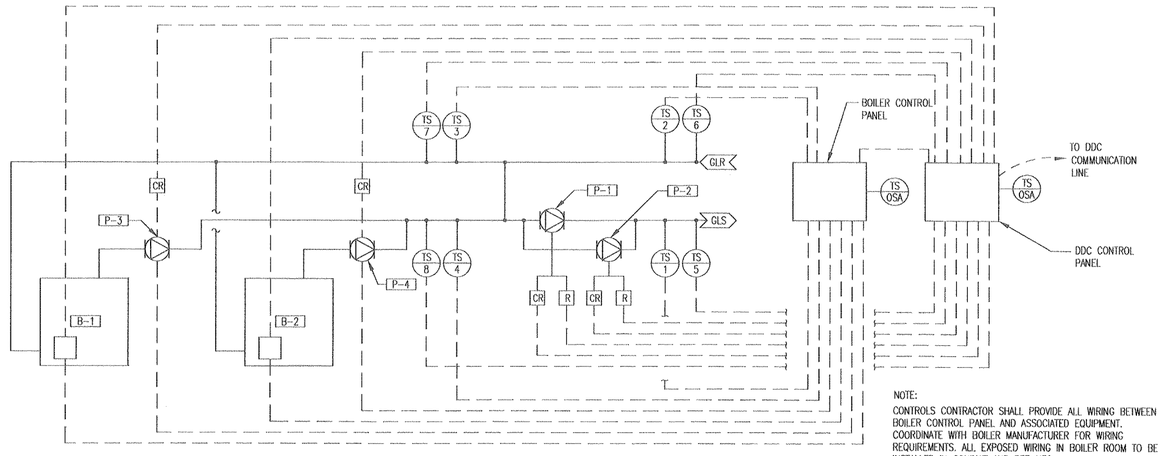


4 ELEC. RM. EXHAUST (EF-1):

S&C M7-0.3 | S&C M7-0.3 SCALE: NONE

ELECTRICAL ROOM EXHAUST FAN (EF-1):

A. GENERAL: WHEN SPACE TEMPERATURE EXCEEDS THE SETPOINT OF 85°F AS SENSED BY TS/1, EF-1 SHALL OPERATE. DDC SYSTEM SHALL ALARM UPON FAN SHUTDOWN DURING A CALL FOR COOLING OR SPACE TEMPERATURE EXCEEDING 95°F AS SENSED BY TS/1.



NOTE:
CONTROLS CONTRACTOR SHALL PROVIDE ALL WIRING BETWEEN BOILER CONTROL PANEL AND ASSOCIATED EQUIPMENT. COORDINATE WITH BOILER MANUFACTURER FOR WIRING REQUIREMENTS. ALL EXPOSED WIRING IN BOILER ROOM TO BE INSTALLED IN CONDUIT AND PER NEC.

1 HEATING SYSTEM CONTROL DIAGRAM

S&C M7-0.3 | S&C M7-0.3 SCALE: NONE

SEQUENCE OF OPERATION

A. GENERAL: HEATING SYSTEM CONSISTS OF TWO GAS FIRED BOILERS (B-1 & B-2) WITH TWO BOILER CIRCULATING PUMPS (P-3 & P-4) AND TWO SYSTEM PUMPS (P-1 & P-2). HEATING SYSTEM SHALL BE ACTIVATED WHENEVER OUTSIDE AIR TEMPERATURE FALLS BELOW 60°F AND INACTIVE WHENEVER OSA TEMPERATURE RISES TO 65°F OR ABOVE. BOILER CONTROL PANEL SHALL CONTROL SEQUENCE OF OPERATION FOR BOILERS AND CIRCULATING PUMPS (P-3 & P-4). BOILER CONTROL PANEL SHALL ALSO FIX SYSTEM LOOP TEMPERATURE AS A FUNCTION OF OUTSIDE AIR TEMPERATURE. DDC CONTROL PANEL SHALL START/STOP SYSTEM PUMPS (P-1 & P-2), MONITOR CIRCULATING AND SYSTEM LOOP TEMPERATURES, AND MANAGE BOILER CONTROL PANEL SYSTEM POINTS AS INDICATED IN SCHEDULE BELOW.

B. WARM-UP MODE: WHEN OUTSIDE AIR TEMPERATURE FALLS BELOW 60°F, THE LEAD SYSTEM PUMP (P-1) WILL START. THE GLS TEMPERATURE IS LINEARLY RESET BASED UPON OUTSIDE AIR TEMPERATURE (SEE SCHEDULE BELOW). AT INITIAL START UP, THE GLS SETPOINT TEMPERATURE IS 140°F. WHEN GLS TEMPERATURE (AS SENSED BY TS/1) FALLS BELOW THIS SETPOINT, THE LEAD CIRCULATING PUMP (P-3) WILL START AND THE LEAD BOILER (B-1) WILL BE BROUGHT ON LINE AT LOW FIRE. BOILER MINIMUM CIRCULATING PUMP OPERATION SHALL BE PROVEN BEFORE THE ASSOCIATED BOILER IS BROUGHT ON LINE.

C. IF THE LEAD BOILER (B-1) IS AT 100% FIRE AND GLS FALLS BELOW SETPOINT, AS SENSED BY TS/1, THE LAG BOILER CIRCULATING PUMP (P-4) AND BOILER (B-2) ARE STARTED.

D. IF THE SYSTEM PUMP STATUS, AS SENSED BY A CURRENT RELAY, INDICATES THE PUMP FAILED TO START, THE DDC SYSTEM SHALL ALARM, SHUT OFF THE PUMP, AND START THE LAG PUMP.

E. DDC SYSTEM SHALL MONITOR BOTH SYSTEM AND CIRCULATING GLS AND GLR TEMPERATURES.

F. RESET SCHEDULE

OSA TEMPERATURE	GLS TEMPERATURE
60°F	140°F
-20°F	200°F

DDC CONTROL SYSTEM POINTS LIST

DESCRIPTION	TYPE OF POINT	ALARM	COMMENT
GLYCOL SYSTEM:			
BOILER B-1 START/STOP	DO		
BOILER B-2 START/STOP	DO		
BOILER B-1 STATUS	DI	YES	MONITORED
BOILER B-2 STATUS	DI	YES	MONITORED
CIRCULATING PUMP P-3 STATUS	DI	YES	VIA CURRENT SENSING RELAY
CIRCULATING PUMP P-4 STATUS	DI	YES	VIA CURRENT SENSING RELAY
BOILER B-1 LOW WATER CUTOFF TROUBLE	DI	YES	MONITORED
BOILER B-2 LOW WATER CUTOFF TROUBLE	DI	YES	MONITORED
BOILER B-1 HI-LIMIT TROUBLE	DI	YES	MONITORED
BOILER B-2 HI-LIMIT TROUBLE	DI	YES	MONITORED
BOILER B-1 FLAME TROUBLE	DI	YES	MONITORED
BOILER B-2 FLAME TROUBLE	DI	YES	MONITORED
SYSTEM PUMP P-1 START/STOP	DO		
SYSTEM PUMP P-2 START/STOP	DO		
SYSTEM PUMP P-1 STATUS	DI	YES	VIA CURRENT SENSING RELAY
SYSTEM PUMP P-2 STATUS	DI	YES	VIA CURRENT SENSING RELAY
CIRCULATING LOOP GLS TEMPERATURE (TS/8)	AI		MONITORED
CIRCULATING LOOP GLR TEMPERATURE (TS/7)	AI		MONITORED
SYSTEM LOOP GLS TEMPERATURE (TS/5)	AI		MONITORED
SYSTEM LOOP GLR TEMPERATURE (TS/6)	AI		MONITORED
SYSTEM LOOP TEMPERATURE SETPOINT	AO		ADJUSTABLE
OSA TEMPERATURE	AI		
FINNED TUBE RADIATOR (FTR-X):			
CONTROL VALVE	AO		4 - 20 mA
SPACE TEMPERATURE	AI		
UNIT HEATER (UH-1):			
UNIT HEATER START/STOP	DO		
CONTROL VALVE	AO		4 - 20 mA
SPACE TEMPERATURE	AI		
EXHAUST FAN (EF-1):			
EXHAUST FAN START/STOP	DO		
EXHAUST FAN STATUS	DI	YES	VIA CURRENT SENSINC RELAY
SPACE TEMPERATURE	AI	YES	
MISCELLANEOUS:			

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Sheet Title
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Scale NONE
Designed SBE Drawn CR
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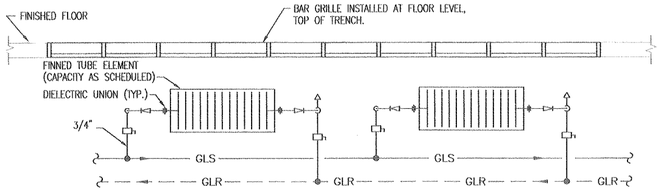
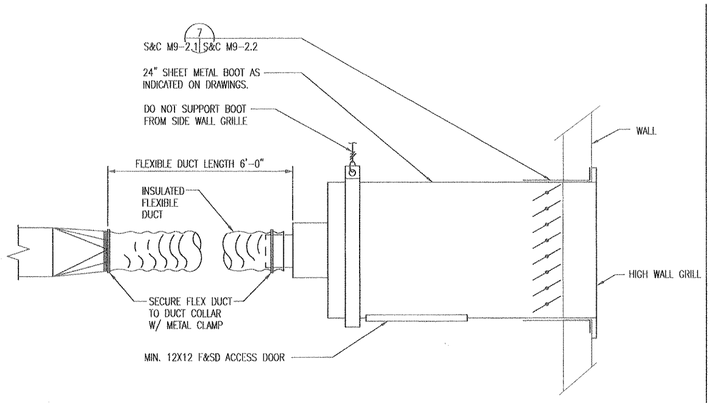
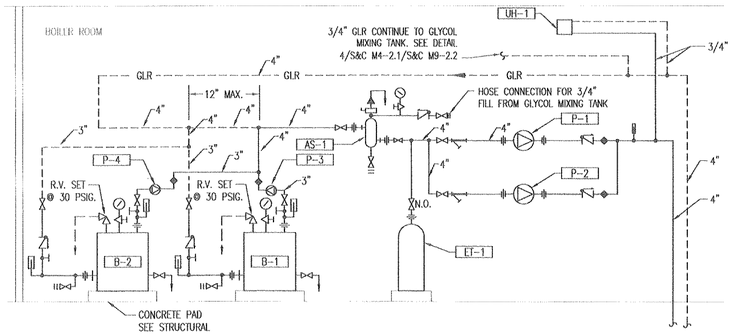
S&C M7-0.3



3 FINNED TUBE RADIATION PIPING DETAIL
S&C M9-2.1 | S&C M9-2.1 SCALE: NONE



2 SIDEWALL SUPPLY AIR GRILLE
S&C M2-1.2 | S&C M9-2.1 SCALE: NONE
S&C M2-2.2



1 HEATING WATER PIPING DIAGRAM
S&C M4-2.1 | S&C M9-2.1 SCALE: NONE

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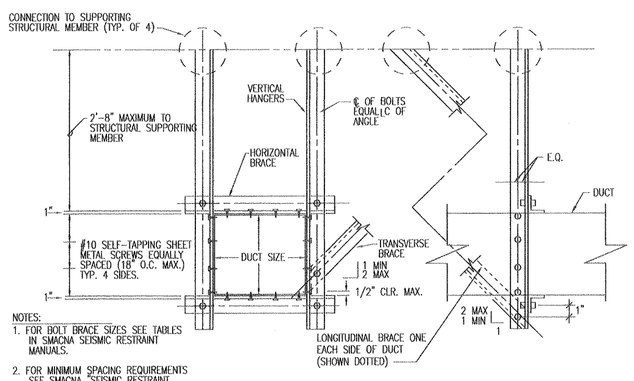
PCC II

SHELL AND CORE PACKAGE VOLUME II

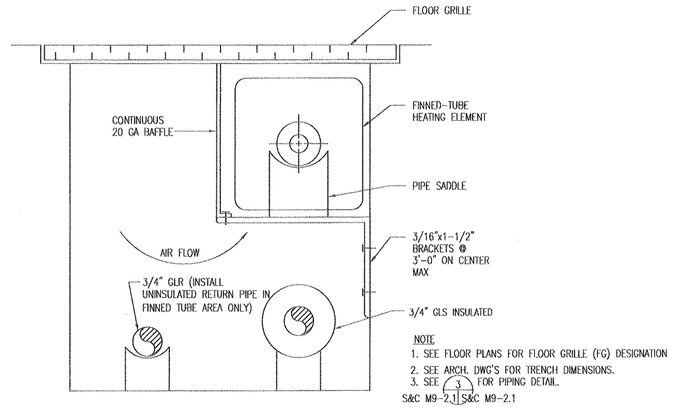


NOTES:
1. FOR BOLT BRACE SIZES SEE TABLES IN SMACNA SEISMIC RESTRAINT MANUALS.
2. FOR MINIMUM SPACING REQUIREMENTS SEE SMACNA "SEISMIC RESTRAINT MANUAL".

TYPICAL SEISMIC BRACING FOR RECTANGULAR DUCTS

6 S&C M2-2.1 | S&C M9-2.1 SCALE:NONE
S&C M2-2.2

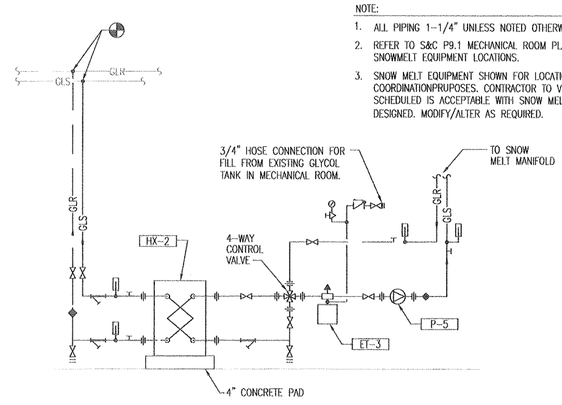
15010-35



NOTE
1. SEE FLOOR PLANS FOR FLOOR GRILLE (FG) DESIGNATION
2. SEE ARCH. DWG'S FOR TRENCH DIMENSIONS.
3. SEE 3 FOR PIPING DETAIL.
S&C M9-2.1 | S&C M9-2.1

5 TRENCH/RADIATION DETAIL (LOBBY)
S&C M2-1.2a | S&C M9-2.1 SCALE: NONE

NOTE:
1. ALL PIPING 1-1/4" UNLESS NOTED OTHERWISE.
2. REFER TO S&C P9.1 MECHANICAL ROOM PLAN FOR SNOWMELT EQUIPMENT LOCATIONS.
3. SNOW MELT EQUIPMENT SHOWN FOR LOCATION AND COORDINATIONPRUPOSES. CONTRACTOR TO VERIFY EQUIPMENT SCHEDULED IS ACCEPTABLE WITH SNOW MELT SYSTEM DESIGNED. MODIFY/ALTER AS REQUIRED.



4 SNOWMELT HEAT EXCHANGER PIPING DIAGRAM
S&C P9.1 | S&C M9-2.1 SCALE: NONE

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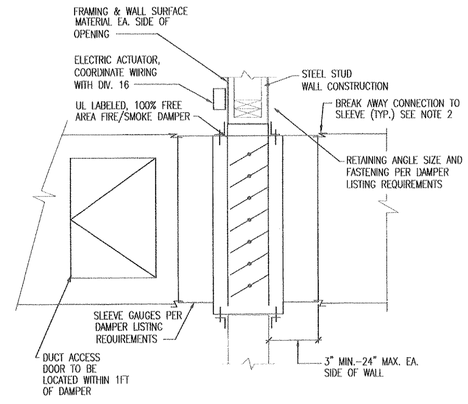


COMBINATION FIRE/SMOKE DAMPER - INSTALLATION DETAIL

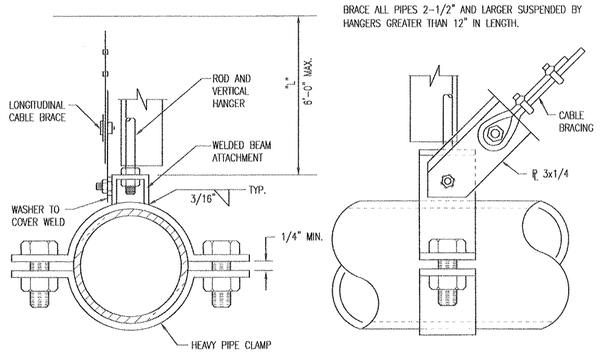
9 S&C M2-1.2 | S&C M9-2.1 SCALE: NONE
S&C M2-2.2

15010-28

NOTES:
1. PROVIDE ACCESS DOOR ON LATCH SIDE OF FIRE/SMOKE DAMPER.
2. DUCT CONNECTIONS TO COMPLY WITH SMACNA AND BE AIR TIGHT.
3. FILL GAP CONTINUOUSLY AROUND DAMPER WITH FIRE RATED CAULK (SEE SPECS).
4. SUPPORT DAMPER ON BOTH SIDES OF THE WALL SO THAT THE DUCT WILL NOT REST ON THE WALL.
5. DAMPER HEIGHT AND WIDTH TO BE MINIMUM 8". PROVIDE SMOOTH TRANSITION TO DUCT SIZE AS INDICATED ON PLANS.

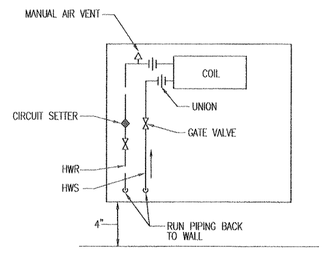
NOTE:
REFER TO LATEST SMACNA "SEISMIC RESTRAINT MANUAL FOR MINIMUM SPACING REQUIREMENTS".

BRACE ALL PIPES 2-1/2" AND LARGER SUSPENDED BY HANGERS GREATER THAN 12" IN LENGTH.



8 SEISMIC BRACING FOR PIPE
S&C M4-2.1 | S&C M9-2.1 SCALE: NONE

15010-22



7 CABINET HEATER PIPING DETAIL
S&C M2-1.2a | S&C M9-2.1 SCALE: NONE

15200-13

Number	Date	By	Description of Revisions

Sheet Title
PCC II PIPING DIAGRAMS AND DETAILS

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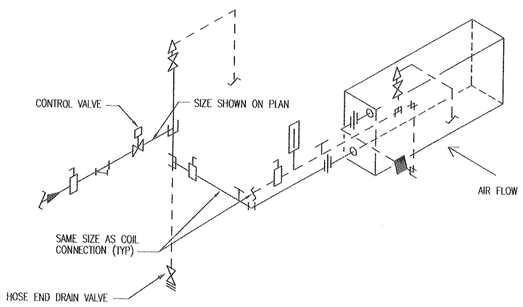
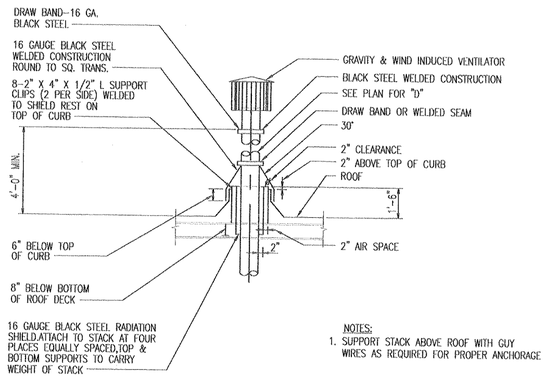
S&C M9-2.1



3 RTU COIL PIPING DETAIL
S&C M2-2.2a | S&C M9-2.2 SCALE: NONE 15100-11



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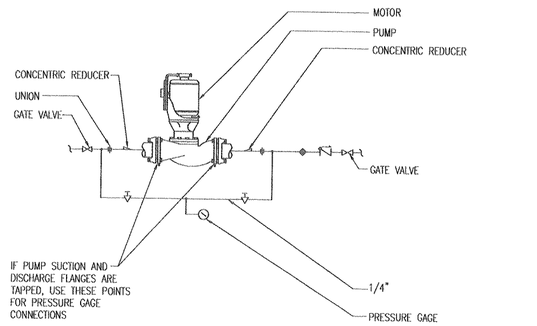
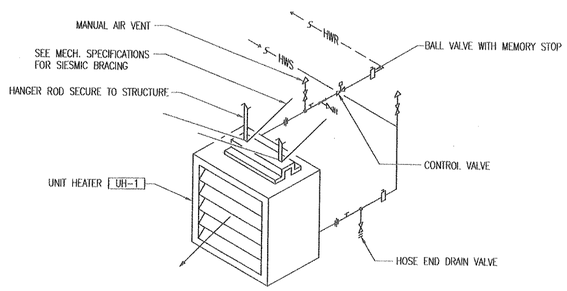
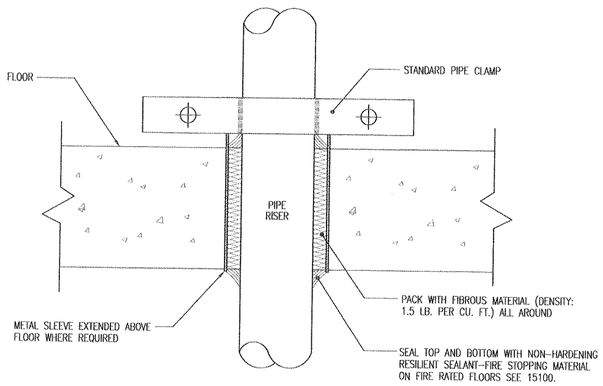
S&C M4-2.1 | S&C M9-2.2 SCALE: NONE 15100-7



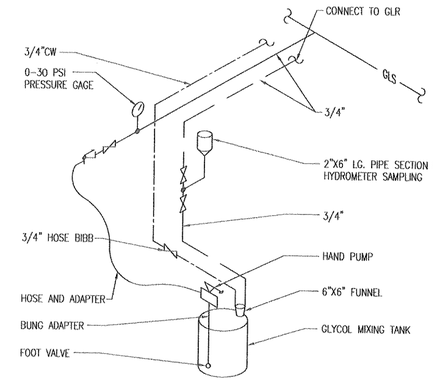
1 INLINE CENTRIFUGAL PUMP
S&C M4-2.1 | S&C M9-2.2 SCALE: NONE 15100-6



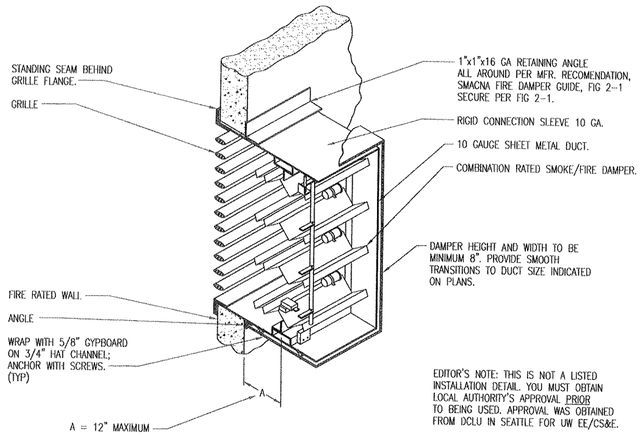
6 UNIT HEATER DETAIL
S&C M4-2.1 | S&C M9-2.2 SCALE:NONE 15660-2



5 PIPE RISER SUPPORT DETAIL
S&C M4-2.1 | S&C M9-2.2 SCALE: NONE 15100-1



4 GLYCOL MIXING TANK DETAIL
S&C M4-2.1 | S&C M9-2.2 SCALE: NONE
S&C M9-2.1



7 SMOKE FIRE DAMPER DETAIL
S&C M9-2.1 | S&C M9-2.2 SCALE: NONE 15660-29

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STATE OF ALASKA — 49TH — TOM G. FERLANT — No. ME5092 — REGISTERED PROFESSIONAL ENGINEER

PCC II

SHELL AND CORE PACKAGE VOLUME II

Number	Date	By	Description of Revisions

Sheet Title
PCC II PIPING DIAGRAMS AND DETAILS

Scale NONE
Designed SBE Drawn SJR
Date 10/09/00 Checked LDS
Approved By Job Number 2486300

Sheet Number
S&C M9-2.2

PLUMBING FIXTURE SCHEDULE

MARK	ITEM	MFR/ MODEL	DESCRIPTION	COLD WATER (IN)	HOT WATER (IN)	WASTE (IN)	VENT (IN)
RD-1	ROOF DRAIN	J.R. SMITH 1010-CU	DUCO CAST IRON BODY, FLASHING COLLAR, GRAVEL STOP, UNDERDECK CLAMP, VANDAL PROOF DOME.	--	--	3	--
RD-2	ROOF DRAIN	JOSAM 22080	DUCO CAST IRON BODU, FLASHING COLLAR, GRAVEL STOP, UNDERDECK CLAMP, SMALL SUMP, HIGH DOME.	--	--	3	--
ORD-1	OVERFLOW ROOF DRAIN	J.R. SMITH 1070	DUCO CAST IRON BODY, FLASHING COLLAR, GRAVEL STOP, UNDERDECK CLAMP, VANDAL PROOF DOME, PVC STANDPIPE INSTALLED INSIDE DOME. ADJUST TO DRAIN WHEN WATER LEVEL IS 2" ABOVE ADJACENT ROOF DRAIN.	--	--	3	--
ORD-1	OVERFLOW ROOF DRAIN	JOSAM 22080-17	SAME AS RD-2, EXCEPT WITH 2" HIGH SOLID CLAMPING COLLAR.	--	--	3	--
HB-1	HOSE BIBB	J.R. SMITH 5609QT	NON-FREEZE BRONZE NICKEL PLATED QUARTER TURN WALL HYDRANT WITH 3/4" HOSE CONNECTION AND INTERGRAL VACUUM BREAKER, VANDAL RESISTANT CAP AND "T" HANDLE KEY.	3/4	--	--	--
D-2	FLOOR SINK	J.R. SMITH 3510-F38	DUCO CAST IRON BODY AND FLASHING COLLAR, ROUND TOP ANTI-SPLASH RIM. RIM SHALL BE FLUSH WITH FINISHED MECHANICAL FLOOR.	--	--	3	2
D-3	PLANTER DRAIN	J.R. SMITH 2680	DUCO CAST IRON BODY AND FLASHING CLAMP WITH BRONZE PERFORATED STANDPIPE AND DOME.	--	--	2	2

FILENAME: 400-FIX-SCD

EXPANSION TANK SCHEDULE

MARK	SYSTEM	LOCATION	APPROX. SYSTEM VOLUME (GAL)	TEMP RANGE (°F) MIN.	TEMP RANGE (°F) MAX.	MAX. PRESS. RELIEF VALVE	OPER. (PSIG) TANK	MIN. VOL. (GAL.)	TYPE	MANUFACTURER
ET-2	DOMESTIC HOT WATER	ROOF BOILER ROOM	185	50.0	120.0	85.0	120.0	3.2	DIAPHRAM IN-LINE	"AMTROL" THERM-X-TROL ST-12

FILENAME: 700-plbg-SC

PUMP SCHEDULE

MARK	SYSTEM	LOCATION	CAPACITY (GPM)	T.D.H. (FT.)	BHP	MOTOR HP	MOTOR VOLT	MOTOR PH	MOTOR RPM	TYPE	MANUFACTURER & MODEL NO.
CP-1	DOMESTIC HOT WATER	ROOF BOILER ROOM	7.0	15	-	1/12	120	1	-	IN-LINE, ALL BRONZE	GRUNDFOS UP 26-96BF

FILENAME: 700-1-PLBGSC

WATER HEATER SCHEDULE

MARK	UNIT SERVES	LOCATION	CAPACITY (GAL)	EWT (°F)	LWT (°F)	RECOVERY RATE(GPH)	ELECTRICAL V	ELECTRICAL PH	ELECTRICAL HZ	REMARKS	MANUFACTURER & MODEL NO.
WH-1	PCC II	ROOF BOILER ROOM	100	50	120	553	120	1	60	(1)	A.O. SMITH BTR400

NOTES:
(1) NATURAL GAS FIRED - 400,000 BTUH INPUT

FILENAME: 400-100SC

PLUMBING LEGEND

GENERAL

SYMBOL	ABBREVIATION	DESCRIPTION
		ITEM TO BE REMOVED
		PIPE UP AND DOWN
		PIPE DOWN
P-1		PLUMBING SYMBOL
	POC	POINT OF CONNECTION
E		EXISTING
X		REMOVE EXISTING
		CONNECTING PIPING
T.E. = 0.00 / I.E. = 0.00	TE / IE	TOP / INVERT ELEVATION

VALVES & FITTINGS

SYMBOL	ABBREVIATION	DESCRIPTION
		Y-TYPE STRAINER
	PG	PRESSURE GAUGE
	TH	THERMOMETER, COLUMN TYPE
		UNION
		CAP
		TEMP PRESSURE TEST PLUG
		FLEXIBLE PIPE CONN
	SA	SHOCK ARRESTOR
M		METER
	RD	ROOF DRAIN
	ORD	OVERFLOW ROOF DRAIN
	VTR	VENT THROUGH ROOF
	FCO	FLOOR CLEANOUT
	WCO	WALL CLEANOUT
	CO	CLEAN OUT
FD	FD	FLOOR DRAIN
	GV	GATE VALVE
	CHV	CHECK VALVE
	BV	BALL VALVE
		CIRCUIT SETTER
	RV	RELIEF VALVE
		NEEDLE VALVE
	HEDV	HOSE END DRAIN VALVE
	RPBP	REDUCE PRESSURE BACKFLOW PREVENTER
	HB	HOSE BIBB
		GAS COCK

PIPING SYSTEMS

SYMBOL	ABBREVIATION	DESCRIPTION
	CW	COLD WATER
	HW	HOT WATER
	HWC	HOT WATER RECIRCULATION
NP	NP	NON-POTABLE COLD WATER
TP	TP	TRAP PRIMER
RL	RL	RAINLEADER
ORL	ORL	OVERFLOW RAINLEADER
	W	WASTE ABOVE GRADE
	W	WASTE BURIED
	V	VENT
D	D	INDIRECT DRAIN LINE
G	G	NATURAL GAS

FIRE PROTECTION SPECIALTIES

SYMBOL	ABBREVIATION	DESCRIPTION
F	F	FIRE LINE
		SPRINKLER HEAD

PLUMBING DRAWING LIST

DRAWING NO.	DRAWING TITLE
S&C P0.1	LEGEND, SCHEDULES & DRAWING INDEX
S&C P2-0.2	PCC II - PLUMBING FOUNDATION PLAN-REFERENCE ONLY
S&C P2-1.2	PCC II, LEVEL I - PLUMBING PLAN
S&C P2-2.2	PCC II, LEVEL II - PLUMBING PLAN
S&C P2-3.2	PCC II ROOF PLAN - PLUMBING
S&C P9.1	PCC II PIPING DIAGRAMS, RISERS & DETAILS

FILENAME: S&CPLBGINDLIST.XLS

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STATE OF ALASKA 49TH — TOM G. FERLAN — No. ME5092 — REGISTERED PROFESSIONAL ENGINEER

PCC II

SHELL AND CORE PACKAGE VOLUME II

Number	Date	By	Description of Revisions

Sheet Title
LEGEND, SCHEDULES, & DRAWING INDEX

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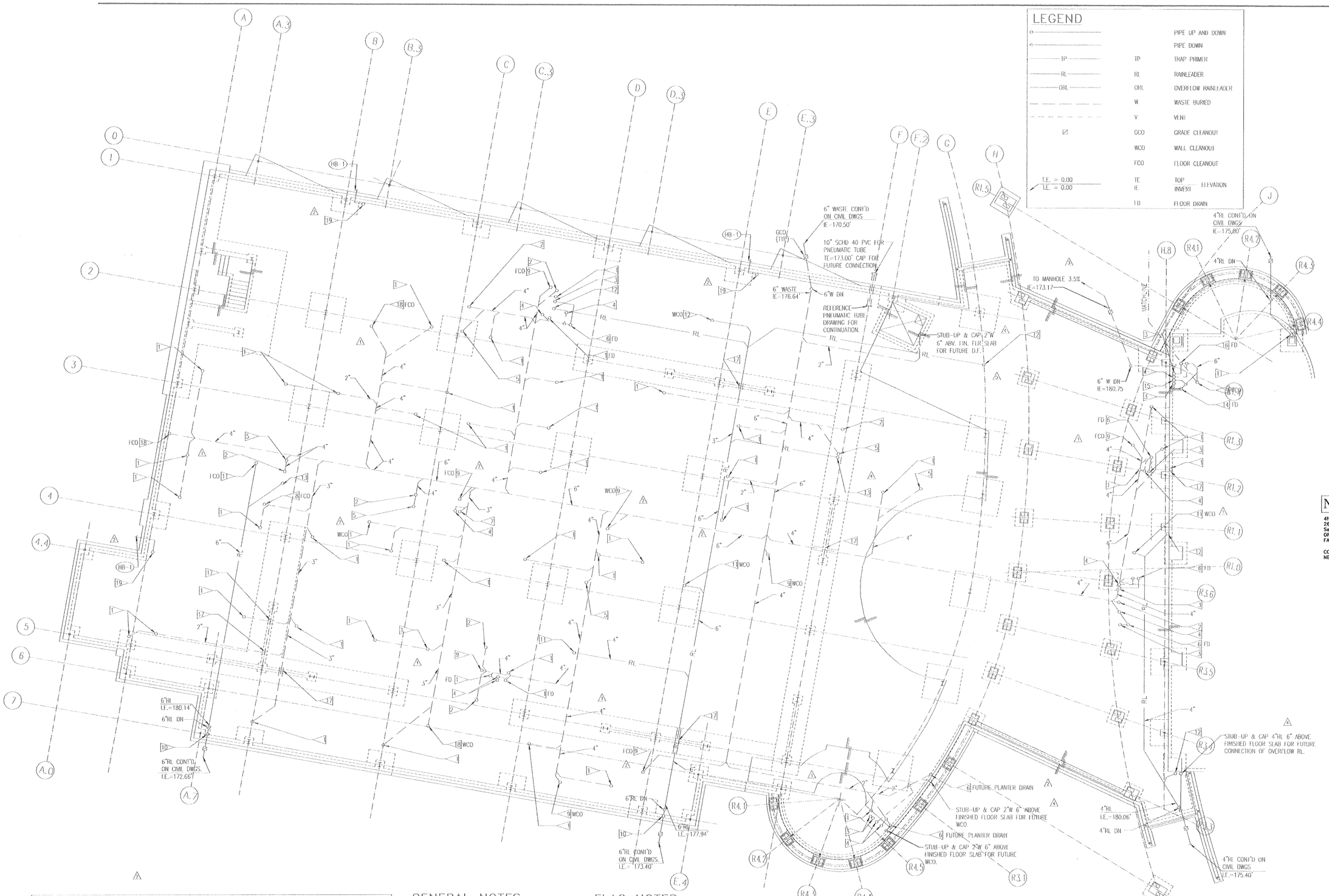
Designed SBE Drawn DRA
Date 10/09/00 Checked LDS
Approved By Job Number 24863.00

Sheet Number
S&C P0.1



LEGEND

		PIPE UP AND DOWN
		PIPE DOWN
TP	TP	TRAP PRIMER
RL	RL	RAINLEADER
ORL	ORL	OVERFLOW RAINLEADER
	W	WASTE BURIED
	V	VENT
	GCO	GRADE CLEANOUT
	WCO	WALL CLEANOUT
	FCO	FLOOR CLEANOUT
T.E. = 0.00	TE	TOP
I.E. = 0.00	IE	INVERT ELEVATION
	FD	FLOOR DRAIN

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STATE OF ALASKA — 4931 — TOM C. FERLAN — No. ME5092 — REGISTERED PROFESSIONAL ENGINEER

PCCII Addition — PCCI Existing

Key Plan

NTS

1	6/27/00	LCF	PLAN REVIEW COMMENTS
2	7/11/00	LCF	REVISION
3	8/2/00	LCF	RFI# 0036
4	8/18/00	LCF	ASI#4
5	8/1/00	LCF	ASI#

Number	Date	By	Description of Revisions

Sheet Title

PCC II - PLUMBING LEGEND & FOUNDATION PLAN

Scale 1/8"=1'-0"
Designed SBE — Drawn DRA
Date 10/09/00 — Checked LDS
Approved By — Job Number 2486500

Sheet Number

S&C P2-0.2

1/8" = 1'-0"

0 4 8 16 24

PLUMBING FIXTURE SCHEDULE

MARK	ITEM	MFR/ MODEL	DESCRIPTION	COLD WATER (IN)	HOT WATER (IN)	WASTE (IN)	VENT (IN)
HB-1	HOSE BIBB	J.R. SMITH 5609QT	NON-FREEZE BRONZE NICKEL PLATED QUARTER TURN WALL HYDRANT WITH 3/4" HOSE CONNECTION AND INTERGRAL VACUUM BREAKER, VANDAL RESISTANT CAP AND "T" HANDLE KEY.	3/4	-	-	-

FILENAME: 400 FIX-F&F

GENERAL NOTES:

1. CONTRACTOR TO PROVIDE AS-BUILT, DIMENSIONED RED LINED PRINTS (1 SET) TO MECHANICAL ENGINEER AFTER INSTALLATION.
2. RUN WASTE & RAINLEADER PIPING AT 2% SLOPE.
3. THIS SHEET IS FOR REFERENCE ONLY AND WAS ISSUED AS "FOOTING & FOUNDATION PACKAGE", AS ISSUED ON 7/17/00.

FLAG NOTES:

1> STUB-UP & CAP 2"W 6" ABOVE FINISHED FLOOR SLAB FOR FUTURE CONNECTION POINT.
2> STUB-UP & CAP 4"W 6" ABOVE FINISHED FLOOR SLAB FOR FUTURE CONNECTION POINT.
3> STUB-UP & CAP 1/2" TRAP PRIMER LINE 6" ABOVE FINISHED FLOOR SLAB.
4> STUB-UP & CAP 2"V 6" ABOVE FINISHED FLOOR SLAB.
5> STUB-UP & CAP 4"W LINE 6" ABOVE FINISHED FLOOR SLAB FOR FUTURE CONNECTION OF SECOND FLOOR FIXTURES.
6> STUB-UP & CAP 2" P-TRAP W/ 1/2" TRAP PRIMER LINE FOR INSTALLATION OF FUTURE FLOOR DRAIN.
7> STUB-UP & CAP 3" P-TRAP 6" ABOVE FINISHED FLOOR SLAB FOR INSTALLATION OF FUTURE CONNECTION FLOOR SET SERVICE SINK.
8> STUB-UP & CAP 2"W 6" ABOVE FINISHED FLOOR SLAB FOR INSTALLATION OF FUTURE FLOOR CLEANOUT.
9> STUB-UP & CAP 4"W 6" ABOVE FINISHED FLOOR SLAB FOR INSTALLATION OF FUTURE CLEANOUT.
10> STUB-UP & CAP 6"RL W/HEAT TAPE & INSULATION 6" ABOVE FINISHED FLOOR SLAB FOR FUTURE CONNECTION OF OVERFLOW RL.
11> STUB-UP & CAP 4"RL 6" ABOVE FINISHED FLOOR SLAB FOR FUTURE CONNECTION.
12> STUB-UP & CAP 3"RL 6" ABOVE FINISHED FLOOR SLAB FOR FUTURE CONNECTION.
13> STUB-UP & CAP 6"RL 6" ABOVE FINISHED FLOOR SLAB FOR FUTURE CONNECTION.
14> STUB-UP & CAP 6"W W/ P-TRAP & 1/2" TRAP PRIMER LINE FOR INSTALLATION OF FUTURE SPRINKLER DRAIN.
15> STUB-UP & CAP 3"V 6" ABOVE FINISHED FLOOR FOR FUTURE CONNECTION.
16> STUB-UP & CAP 4"W W/ P-TRAP & 1/2" TRAP PRIMER LINE FOR FUTURE INSTALLATION OF MECHANICAL ROOM DRAIN.
17> PROVIDE METAL SLEEVE FOR PIPE PENETRATION THRU FOOTING SLEEVE TO EXTEND MIN. 6" BEYOND FOOTING WALL.
18> STUB-UP & CAP 3" W 6" ABOVE FINISHED FLOOR SLAB FOR INSTALLATION OF FUTURE FLOOR CLEANOUT.
19> STUB-UP & CAP 3/4" CW 6" ABOVE FINISHED FLOOR SLAB.

FIRE PROTECTION NOTE:

ENTIRE BUILDING (PCC II AND LOBBY) TO BE SPRINKLERED. SPRINKLER HEAD LOCATIONS INDICATED ARE ONLY IN AREAS OF AESTHETIC IMPORTANCE AND ARE LOCATED IN ACCORDANCE WITH TENANT IMPROVEMENT DRAWINGS. IF HEAD LOCATIONS OR NUMBER OF HEADS INDICATED DO NOT COMPLY WITH APPLICABLE CODES AND STANDARDS OR REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION, REVISE THE LOCATIONS AND NUMBER OF HEADS AND OBTAIN APPROVAL FROM ARCHITECT PRIOR TO FORMAL SUBMITTAL.

FLAG NOTES:

1. SEISMIC SEPARATION ASSEMBLY. REFER TO FIGURE A-6-4.3, NFPA 13.
2. FIRE SPRINKLER MAIN UP IN WALL TO MAIN LOBBY CEILING SPACE. THIS MAIN TO SERVE ENTIRE LOBBY, EAST MEZZANINE LEVEL AND SOUTH VESTIBULE.
3. FIRE SPRINKLER MAIN UP IN WALL TO SECOND LEVEL CEILING SPACE. THIS MAIN TO SERVE WEST MEZZANINE LEVEL AND SECOND LEVEL OF MAIN BUILDING.
4. UP EAST MEZZANINE LEVEL CEILING SPACE.
5. 3/4" CW DN. CONNECT TO 3/4" STUB SERVING HB-1 WHICH WAS INSTALLED UNDER THE FOOTING & FOUNDATION PACKAGE.

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PCC II

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STATE OF ALASKA — 4919 — TOM G. FERLAN, No. ME5092 — REGISTERED PROFESSIONAL ENGINEER

PCCII (Addition) PCCI (Existing)

Key Plan NTS

Number	Date	By	Description of Revisions
1	12/7/00	SBE	ASI #19

Sheet Title
PCC II LEVEL 1 PLUMBING PLAN

Scale 1/8"=1'-0"
Designed SBE Drawn CR
Date 10/09/00 Checked LDS
Approved By Job Number 2486300

Sheet Number
S&C P2-1.2

1/8" = 1'-0"
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PCC II LEVEL 1 PLUMBING PLAN
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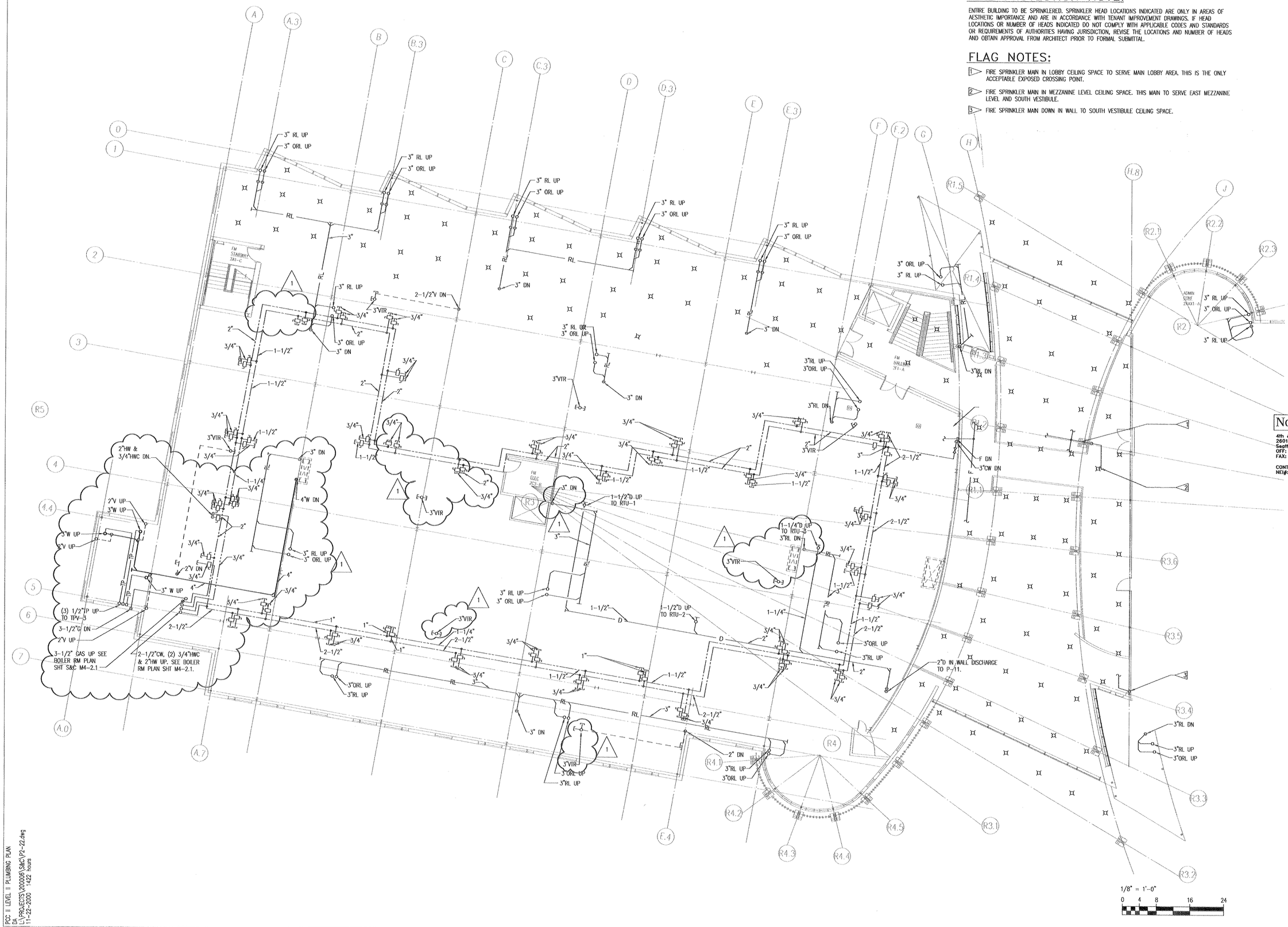
11-22-2000 1422 hours

FIRE PROTECTION NOTE:

ENTIRE BUILDING TO BE SPRINKLERED. SPRINKLER HEAD LOCATIONS INDICATED ARE ONLY IN AREAS OF AESTHETIC IMPORTANCE AND ARE IN ACCORDANCE WITH TENANT IMPROVEMENT DRAWINGS. IF HEAD LOCATIONS OR NUMBER OF HEADS INDICATED DO NOT COMPLY WITH APPLICABLE CODES AND STANDARDS OR REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION, REVISE THE LOCATIONS AND NUMBER OF HEADS AND OBTAIN APPROVAL FROM ARCHITECT PRIOR TO FORMAL SUBMITTAL.

FLAG NOTES:

1. FIRE SPRINKLER MAIN IN LOBBY CEILING SPACE TO SERVE MAIN LOBBY AREA. THIS IS THE ONLY ACCEPTABLE EXPOSED CROSSING POINT.
2. FIRE SPRINKLER MAIN IN MEZZANINE LEVEL CEILING SPACE. THIS MAIN TO SERVE EAST MEZZANINE LEVEL AND SOUTH VESTIBULE.
3. FIRE SPRINKLER MAIN DOWN IN WALL TO SOUTH VESTIBULE CEILING SPACE.



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STATE OF ALASKA 49TH — TOM G. FERLAN No. ME5092 — REGISTERED PROFESSIONAL ENGINEER

PCCII Addition | PCCI Existing

Key Plan
NTS

No.	Date	By	Description of Revisions
1	12/1/00	SBE	ASI # 19

Sheet Title
PCC II LEVEL II PLUMBING PLAN

Scale 1/8"=1'-0"
Designed SBE Drawn DRA
Date 10/09/00 Checked LDS
Approved By Job Number 24866300

Sheet Number
S&C P2-2.2

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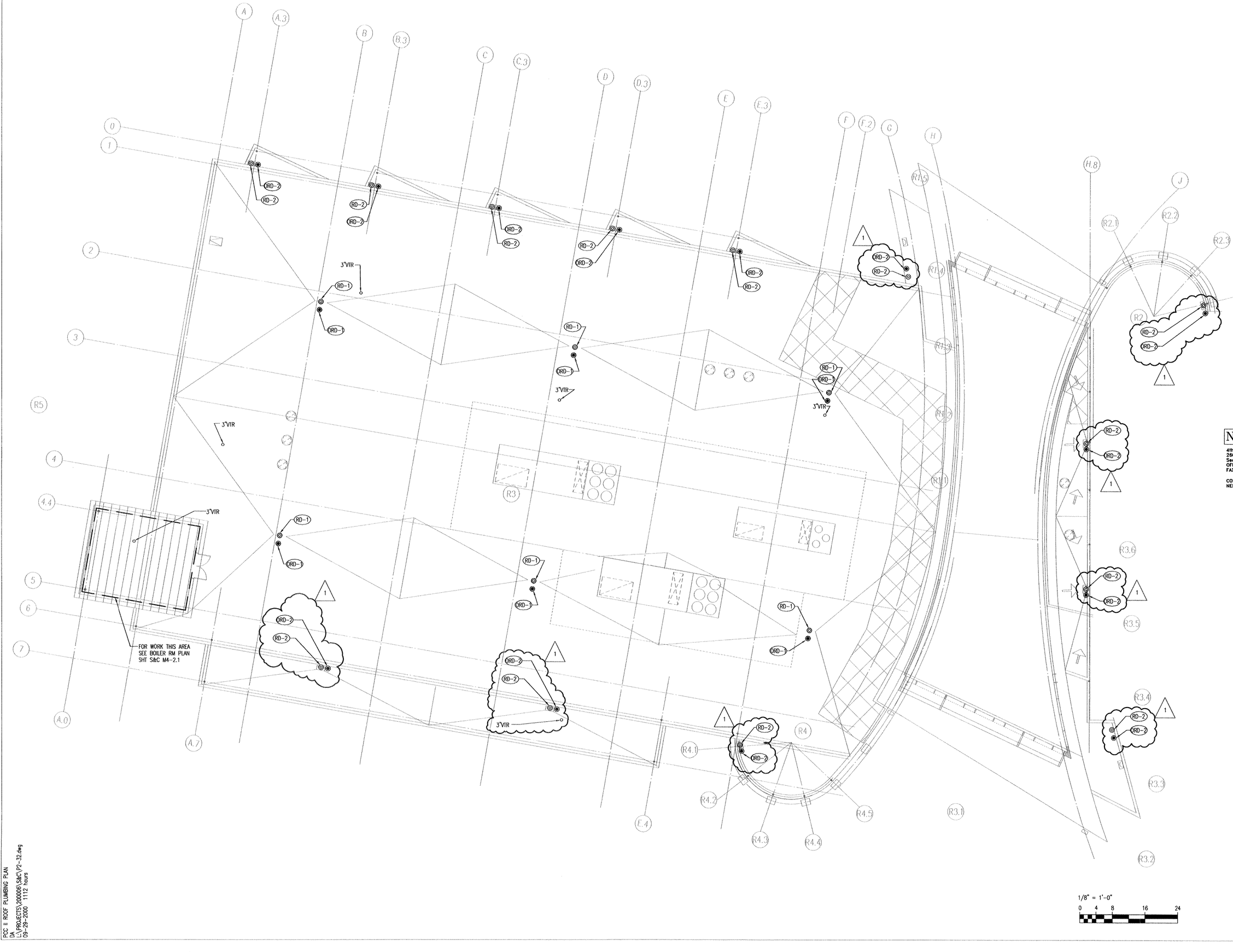

1/8" = 1'-0"

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STATE OF ALASKA — 49TH — TOM G. FERLAN — No. ME5092 — REGISTERED PROFESSIONAL ENGINEER

PCCH — Addition
PCCI — Existing

Key Plan

NTS

Number	Date	By	Description of Revisions
1	10/17/2000	KB	井口

Sheet Title
PCC II ROOF PLUMBING PLAN

Scale 1/8"=1'-0"
Designed SBE — Drawn DRA
Date 10/09/00 — Checked LDS
Approved By — Job Number 2486300

Sheet Number

S&C P2-3.2

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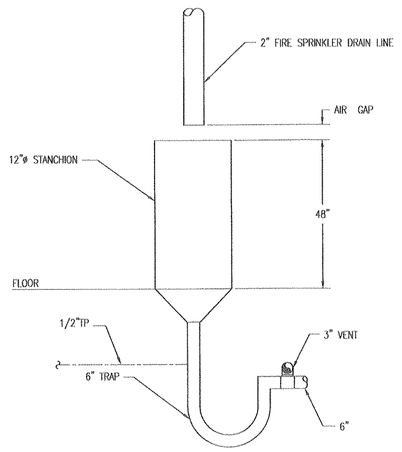
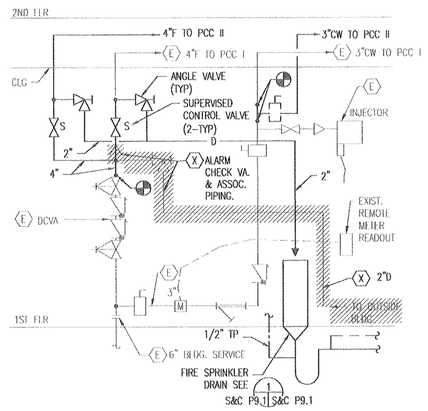
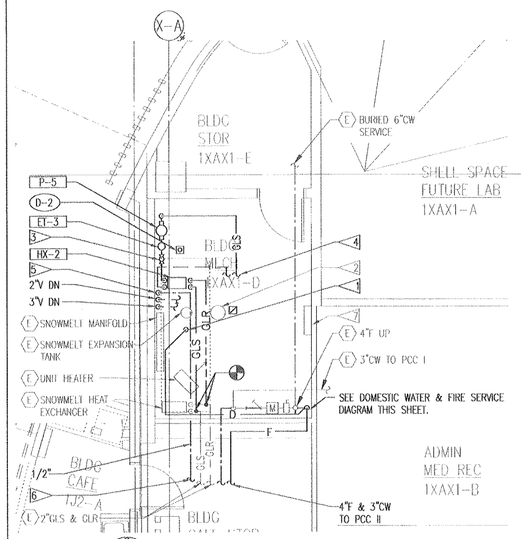


1 FIRE SPRINKLER DRAIN DETAIL
S&C P9.1 | S&C 9.1 NO SCALE



DOMESTIC WATER & FIRE SERVICE DIAGRAM
NO SCALE



N MECHANICAL ROOM PLAN
SCALE: 1/4"=1'-0"

NOTES:

1. EXISTING SNOWMELT SYSTEM TO SERVE ZONE #1, NEW SNOWMELT SYSTEM TO SERVE ZONE #2. REFER TO FOOTING AND FOUNDATION PACKAGE SHEET P2-1.2.
2. SNOWMELT SYSTEMS TO BE DESIGNED, FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. SEE 4\S&C P9.1\S&C M9-2.1.

FLAG NOTES:

1. 2"D DN TO FIRE SPRINKLER DRAIN. SEE 1\S&C P9.1\S&C P9.1.
2. (E) GLYCOL TANK
3. SNOW MELT 4-WAY CONTROL VALVE.
4. SEE S&C M2-1.2a FOR CONTINUATION TO NEW SNOWMELT MANIFOLD.
5. 1/2"CW DN TO TPV-3.
6. CONNECT 1/2"CW SUPPLY TO CW SUPPLY LINE SERVING SINKS IN BLDG CAFE' STORAGE RM & BLDG CAFE'.
7. EXISTING SNOW MELT CONTROLLER (ZONE #2).

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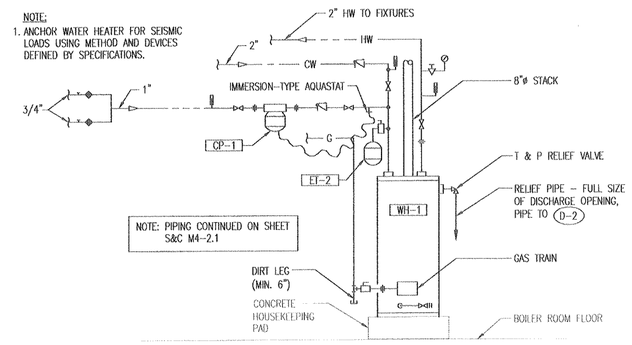
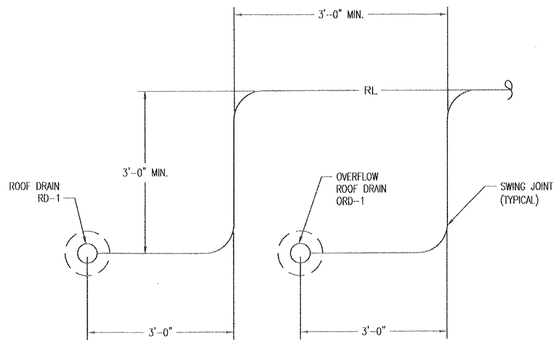
PCC II

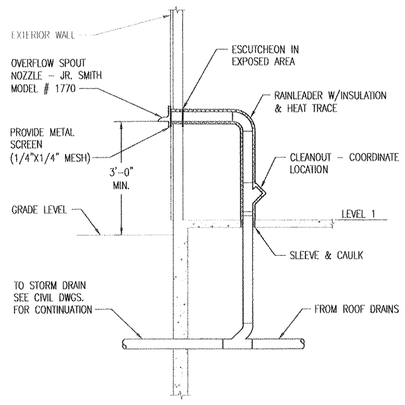
SHELL AND CORE PACKAGE VOLUME II



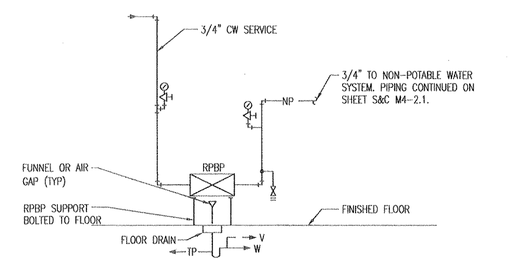
4 GAS WATER HEATER DETAIL
S&C M4-2.1 | S&C P9.1 SCALE: NONE



3 ROOF DRAIN/OVERFLOW DETAIL
S&C P2-2.2 | S&C P9.1 NO SCALE



2 OVERFLOW RAINLEADER DETAIL
S&C P2-1.2 | S&C P9.1 NO SCALE



5 REDUCED PRESSURE BACKFLOW PREVENTER
S&C M4-2.1 | S&C M9.1 SCALE: NONE
YS218-4

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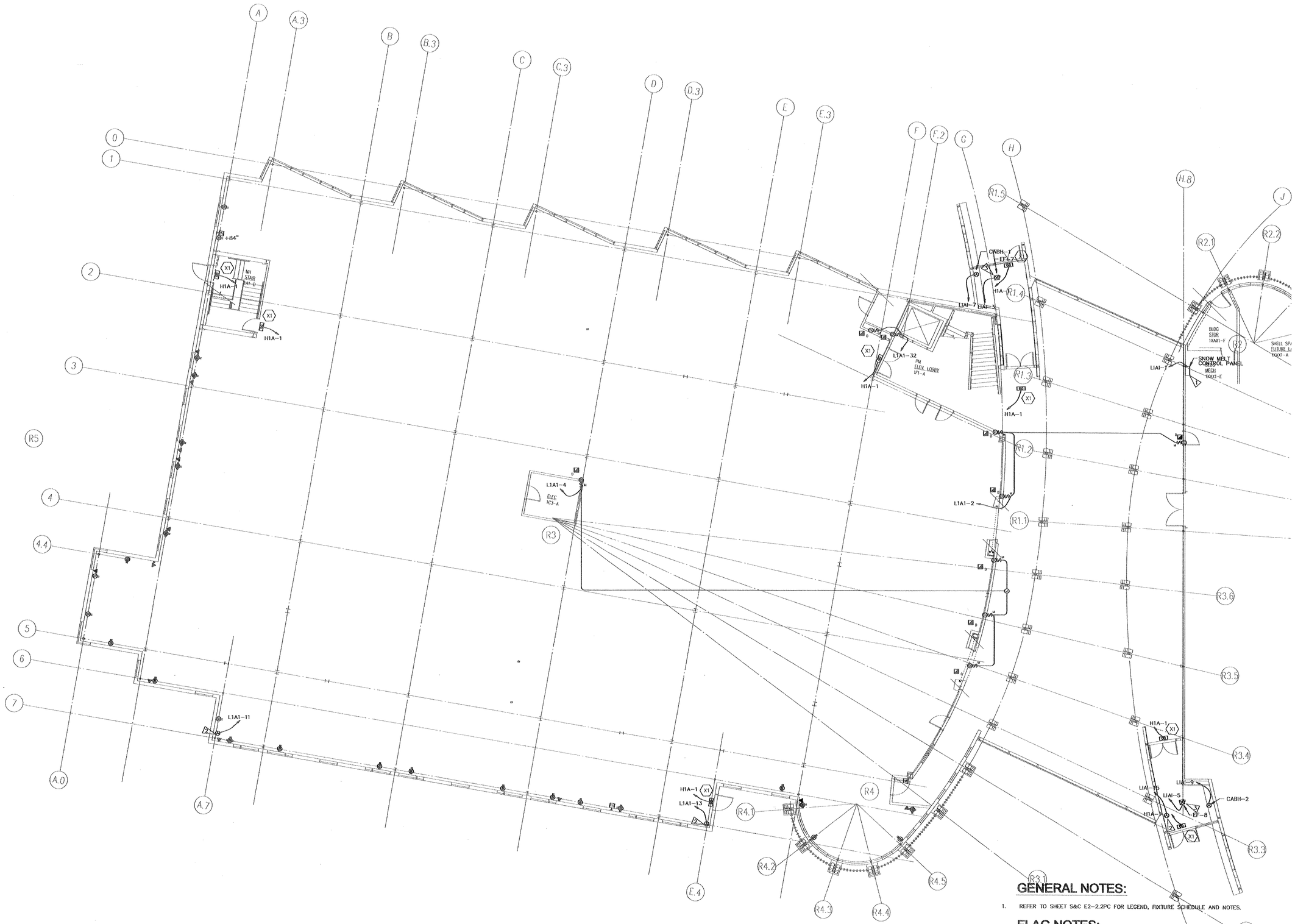
49TH
THOMAS C. FEHLAU
No. ME5092
MECHANICAL PROFESSIONAL ENGINEER

Number	Date	By	Description of Revisions

Sheet Title
PCC II PIPING DIAGRAMS, RISER & DETAILS

Scale NONE
Designed SBE | Drawn SJR
Date 10/09/00 | Checked LDS
Approved By | Job Number 24863.00

Sheet Number
S&C P9.1



GENERAL NOTES:

1. REFER TO SHEET S&C E2–2.2PC FOR LEGEND, FIXTURE SCHEDULE AND NOTES.

FLAG NOTES:

1> CONTROLS CONTRACTOR SHALL DETERMINE REQUIREMENTS AND INSTALL CONNECTIONS FROM SNOW MELT CONTROL PANEL TO PUMP P5, MIXING VALVE AND OTHER ACCESSORIES.

2> HEAT TRACE CONNECTION.

3> ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL WIRING BETWEEN EXHAUST FAN AND THERMOSTAT. MECHANICAL CONTRACTOR TO PROVIDE THERMOSTAT. COODINATE WITH MECHANICAL CONTRACTOR FOR WIRING REQUIREMENTS AND THERMOSTAT LOCATION.

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PCC II

Shell & Core Package Volume II

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STATE OF ALASKA — JAMES R. DUNCAN — No. EE4299 — REGISTERED PROFESSIONAL ENGINEER

EXPIRES 12-31-2001

PCCII — Addition
PCCI — Existing

Key Plan
NTS

Number	Date	By	Description of Revisions

Sheet Title
PCC 2 FLOOR 1
CORE AND SHELL POWER
AND COMMUNICATION ROUGH IN

Scale 1/8"=1'-0"
Designed MWW — Drawn NJS
Date 10/09/00 — Checked MAJ / JRD
Approved By TLJ — Job Number B10192

Sheet Number

S&C E2-1.2PC

FIXTURE SCHEDULE

X1 — SINGLE FACE GREEN LED EXIT SIGN. DIECAST ALUMINUM HOUSING, UNIVERSAL ARROWS AND UNIVERSAL MOUNT. CAST ALUMINUM FACEPLATE WITH STENCIL FACE, MANUFACTURER'S STANDARD FINISH AS SELECTED BY ARCHITECT. ASSEMBLY SHALL BE HELD IN PLACE WITHIN THE DIECAST FIXTURE FRAME USING REINFORCED PLASTIC OR METALLIC CLIPS. RATED LAMP LIFE SHALL BE 20 YEARS MINIMUM. SHALL MEET UL STANDARD 924. INTEGRAL BATTERY PACK FOR EMERGENCY OPERATION. TWO CIRCUIT WITH INTEGRAL TRANSFER RELAY. ALL LAMPS TO BE "ON" WITH EITHER CIRCUIT.

MANUFACTURER: SURELITES CAX SERIES; LITHONIA SIGNATURE SERIES; HUBBLE C SERIES; EMERGI-LITE PRESTIGE SERIES; PRESCOLITE COMPASS SERIES

LAMP: LED – GREEN – SUPPLIED WITH FIXTURE

WATTS: 3 MAXIMUM

LEGEND

PROVIDE AND INSTALL SINGLE GANG BOX WITH MUD RING AT 18" ABOVE FINSHED FLOOR (UNLESS OTHERWISE NOTED). PROVIDE AND INSTALL 3/4" CONDUIT FROM EACH BOX TO CEILING SPACE DIRECTLY ABOVE LOCATION. CABLING WILL BE INSTALLED AS PART OF TI PACKAGE.

PROVIDE AND INSTALL DOUBLE GANG BOX WITH MUD RING AT 18" ABOVE FINISHED FLOOR (UNLESS OTHERWISE NOTED). PROVIDE AND INSTALL 3/4" CONDUIT FROM EACH BOX TO THE CEILING SPACE DIRECTLY ABOVE. CABLING WILL BE INSTALLED AS PART OF TI PACKAGE.

PROVIDE AND INSTALL THOMAS & BETTS 665 SERIES CONCEALED SERVICE FLOOR BOX IN SLAB LOCATIONS SHOWN. PROVIDE AND INSTALL CONDUIT AS SHOWN. CABLING WILL BE INSTALLED AS PART OF TI PACKAGE.

PROVIDE, INSTALL AND CONNECT DISCONNECTS.

PROVIDE, INSTALL AND CONNECT FIRE–SMOKE DAMPER.

PROVIDE, INSTALL AND CONNECT DUCT SMOKE DETECTOR.

PROVIDE AND INSTALL EMERGENCY EXIT DIRECTIONAL SIGNAGE. REFER TO FIXTURE SCHEDULE THIS SHEET FOR FIXTURE TYPES. PROVIDE AND INSTALL 3/4" CONDUIT FROM EACH FIXTURE TO CEILING SPACE DIRECTLY ABOVE LOCATION. MOUNT AND CIRCUIT AS SHOWN.

ROUGH IN MAGNETIC DOOR HOLDER.

FLAG NOTES:

1. SEE ONE–LINE DIAGRAM ON SHEET E4 FOR CONDUIT AND WIRE SIZE.
2. MOUNT DISCONNECT, STARTER, AND RECEPTACLE TO ROOF–MOUNTED FREESTANDING SUPPORT. COORDINATE WITH ROOFING MANUFACTURER FOR WATERPROOFING DETAILS.
3. 3/4"C, 3#12, 1#12G.
4. 3/4"C, 2#10, 1#10G.
5. RUN CONDUIT IN CEILING SPACE OF FLOOR BELOW.

GENERAL NOTES:

1. ALL MECHANICAL EQUIPMENT, EXCLUDING DAMPERS, SHOWN ON THIS SHEET IS LOCATED ON THE ROOF.
2. RECEPTACLE MOUNTING HEIGHTS AND LOCATIONS INDICATED ON ARCHITECTURAL PLANS SHALL TAKE PRECEDENCE OVER THOSE INDICATED ON ELECTRICAL PLANS.

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STATE OF ALASKA — JAMES R. DUNCAN — No. EE4299 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES: 12-31-2001

PCC II

Shell & Core Package Volume II

PCCII — Addition
PCCI — Existing

Key Plan
NTS

Number	Date	By	Description of Revisions

Sheet Title
PCC 2 FLOOR 2
CORE AND SHELL POWER
AND COMMUNICATION ROUGH IN

Scale 1/8"=1'-0"
Designed MWW — Drawn NJS
Date 10/09/00 — Checked MAJ / JRD
Approved By TLJ — Job Number B10192

Sheet Number
S&C E2-2.2PC

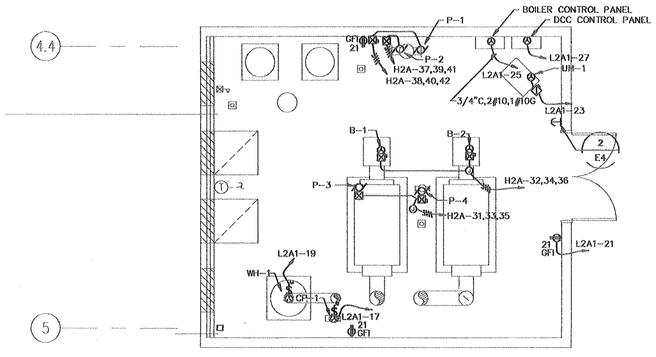
J:\B10192 CAD\E2-2-2PCS.DWG OCT 05, 2000 - 3:21:29 PM BY: NJS

FEEDER SCHEDULE

FEEDER NO.	COPPER CONDUCTORS		AMPACITY NOTE 2
	CONDUIT	WIRE	
A4	1 1/4"	4 – #4, 1#8 G.	70
A3	1"	3 – #4, 1#8 G.	70
B4	1 1/4"	4 – #2, 1 #6 G.	115
B3	1 1/4"	3 – #2, 1 #6 G.	115
CH	2"	3 – #1, 1#1/0 N, 1#6 G.	120
C4	1 1/2"	4 – #1, 1 #6 G.	130
C3	1 1/2"	3 – #1, 1 #6 G.	130
D5	2"	5 – #1/0, 1 #6 G.	136
D4	1 1/2"	4 – #1/0, 1 #6 G.	150
D3	1 1/4"	3 – #1/0, 1 #6 G.	150
E5	2"	5 – #2/0, 1 #6 G.	156
E4	2"	4 – #2/0, 1 #6 G.	175
E3	2"	3 – #2/0, 1 #6 G.	175
F5	2"	5 – #3/0, 1 #6 G.	180
F4	2"	4 – #3/0, 1 #6 G.	200
F3	1 1/2"	3 – #3/0, 1 #6 G.	200
G5	2 1/2"	5 – #4/0, 1 #6 G.	208
G4	2 1/2"	4 – #4/0, 1 #4 G.	230
G3	2"	3 – #4/0, 1 #4 G.	230
H5	3"	5–250kcmil, 1 #4 G.	232
H4	2 1/2"	4–250kcmil, 1 #4 G.	255
H3	2 1/2"	3–250kcmil, 1 #4 G.	255
J5	3"	5–300kcmil, 1 #4 G.	256
J4	3"	4–300kcmil, 1 #4 G.	285
J3	3"	3–300kcmil, 1 #4 G.	285
K5	3"	5–350kcmil, 1 #4 G.	280
K4	3"	4–350kcmil, 1 #4 G.	310
K3	3"	3–350kcmil, 1 #4 G.	310
L5	3"	5–400kcmil, 1 #2 G.	304
L4	3"	4–400kcmil, 1 #2 G.	335
L3	3"	3–400kcmil, 1 #2 G.	335
M5	3 1/2"	5–500kcmil, 1 #2 G.	344
M4	3"	4–500kcmil, 1 #2 G.	380
M3	3"	3–500kcmil, 1 #2 G.	380
N5	4"	5–600kcmil, 1 #2 G.	380
N4	3 1/2"	4–600kcmil, 1 #2 G.	420
N3	3 1/2"	3–600kcmil, 1 #2 G.	420
2H5	(2) 3"	5–250kcmil, 1 #2 G. EA.	464
2H4	(2) 2–1/2"	4–250kcmil, 1 #2 G. EA.	510
2H3	(2) 2–1/2"	3–250kcmil, 1 #2 G. EA.	510
2J5	(2) 3"	5–300kcmil, 1 #2 G. EA.	512
2K5	(2) 3"	5–350kcmil, 1 #1 G. EA.	560
2K4	(2) 3"	4–350kcmil, 1 #1 G. EA.	620
2K3	(2) 2–1/2"	3–350kcmil, 1 #1 G. EA.	620
2M4	(2) 3"	4–500kcmil, 1 #1/0 G. EA.	760
2M3	(2) 3"	3–500kcmil, 1 #1/0 G. EA.	760
2N4	(2) 3–1/2"	4–600kcmil, 1 #1/0 G. EA.	840
2N3	(2) 3–1/2"	3–600kcmil, 1 #1/0 G. EA.	840
3L4	(3) 3"	4–400kcmil, 1 #2/0 G. EA.	1005
3L3	(3) 3"	3–400kcmil, 1 #2/0 G. EA.	1005
4H4	(4) 2–1/2"	4–250kcmil, 1 #2/0 G. EA.	1020
4H3	(4) 2–1/2"	3–250kcmil, 1 #2/0 G. EA.	1020
4K4	(4) 3"	4–350kcmil, 1 #3/0 G. EA.	1240
4K3	(4) 3"	3–350kcmil, 1 #3/0 G. EA.	1240
4N4	(4) 3–1/2"	4–600kcmil, 1 #4/0 G. EA.	1680
4N3	(4) 3–1/2"	3–600kcmil, 1 #4/0 G. EA.	1680
5N4	(5) 3–1/2"	4–600kcmil, 1 #250 G. EA.	2100
5N3	(5) 3–1/2"	3–600kcmil, 1 #250 G. EA.	2100
6N4	(6) 3–1/2"	4–600kcmil, 1 #350 G. EA.	2520
6N3	(6) 3–1/2"	3–600kcmil, 1 #350 G. EA.	2520

SCHEDULE NOTES:

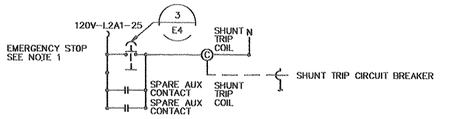
1. CONDUIT SIZING BASED ON RIGID GALVANIZED STEEL CONDUIT AND TYPE THHN–2/THWN–2 AND XHHW WIRE TAKING INTO ACCOUNT BOTH CONDUIT FILL AND JAMB RATIO. CONFIRM CONDUIT FILL AND JAM RATIOS FOR FEEDER CONFIGURATIONS OTHER THAN THOSE SHOWN.
2. AMPACITIES LISTED ARE BASED ON THE FOLLOWING TAKEN FROM TABLE 310–16.
   - A. 60° RATING FOR TERMINATION TO DEVICES @ 100A OR LESS PER UL.
   - B. 75° RATING FOR 3W AND 4W FEEDERS.
   - C. 90° RATING FOR 5W FEEDERS DE–RATED TO 80% WHERE PREDOMINATLY HARMONIC CURRENTS ARE PRESENT. NEUTRALS ≥ #1/0 ARE PARALLELED ON 5W FEEDERS.
3. INCREASE RACEWAY SIZE FOR OTHER TYPES OF RACEWAYS AND DIFFICULT OR LONG PULLS.
4. GROUND WIRE SIZE INCREASED FOR PARALLEL CONDUCTOR RUNS PER NEC TABLE 250–122.



1 S&C E2–2.2PC S&C E4

BOILER ROOM

SCALE: 1/4"=1'–0"

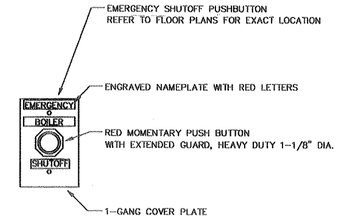


NOTES:

1. MOMENTARY CONTACT MUSHROOM SHAPED PUSHBUTTON. 2 N.O. CONTACTS. MOUNT ON 2 GANG BOX WITH SINGLE GANG PLASTER RING. PROVIDE ENGRAVED NAMEPLATE "EMERGENCY BOILER SHUTDOWN".

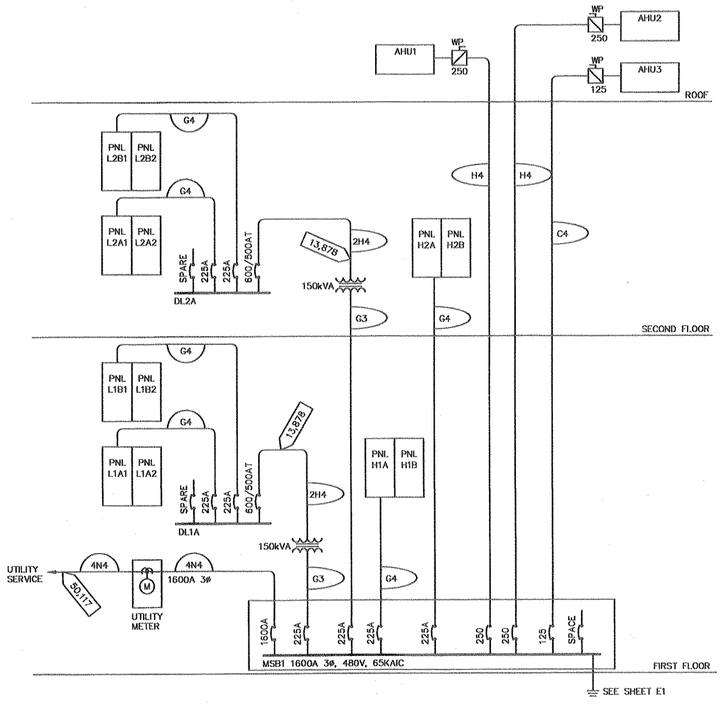
2 E4 BOILER EMERGENCY POWER SHUTDOWN

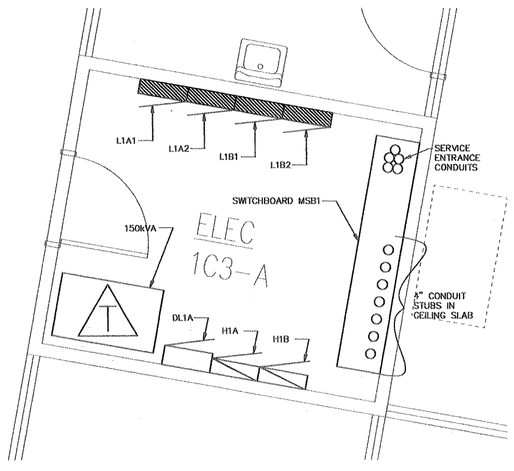
NOT TO SCALE



3 E4 EMERGENCY SHUTOFF PUSHBUTTON

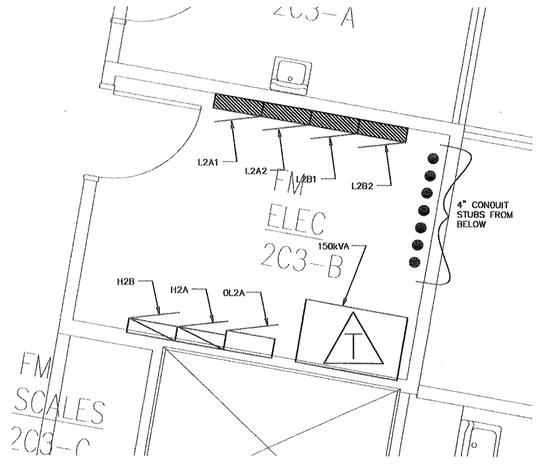
NOT TO SCALE





ELECTRICAL ROOM 1C3-A

SCALE: 1/2"=1'–0"



ELECTRICAL ROOM 2C3-B

SCALE: 1/2"=1'–0"

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PCC II

Shell & Core Package Volume II

PCCII Addition | PCCI Existing

Key Plan

NTS

Number	Date	By	Description of Revisions

Sheet Title: ELECTRICAL FLOOR PLAN DETAILS

Scale: AS NOTED
Designed: MWW — Drawn: NJS
Date: 10/09/00 — Checked: MAJ / JRD
Approved By: TLJ — Job Number: B10192

Sheet Number

S&C E4