DMV ROOF AND SKYLIGHT REPLACEMENT

DEPARTMENT OF ADMINISTRATION
DIVISION OF CAPITAL ASSET MANAGEMENT AND MAINTENANCE

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THE ROBINSON GREEN BERETTA CORPORATION

CONSULTANTS

B+AC

ARCHITECTURE

STRUCTURAL

LIST OF DRAWINGS

REVISION	DATE	SHEET #	SHEET NAME
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		D100	ROOF DEMOLITION PLAN
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		A511	ROOF DETAILS
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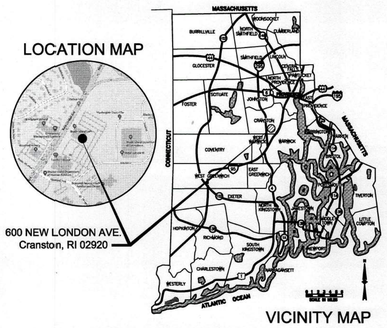
DMV ROOF AND SKYLIGHT REPLACEMENT - 6550



STATUS: FOR CONSTRUCTION

DATE: 6/12/2020

ABBREVIATIONS

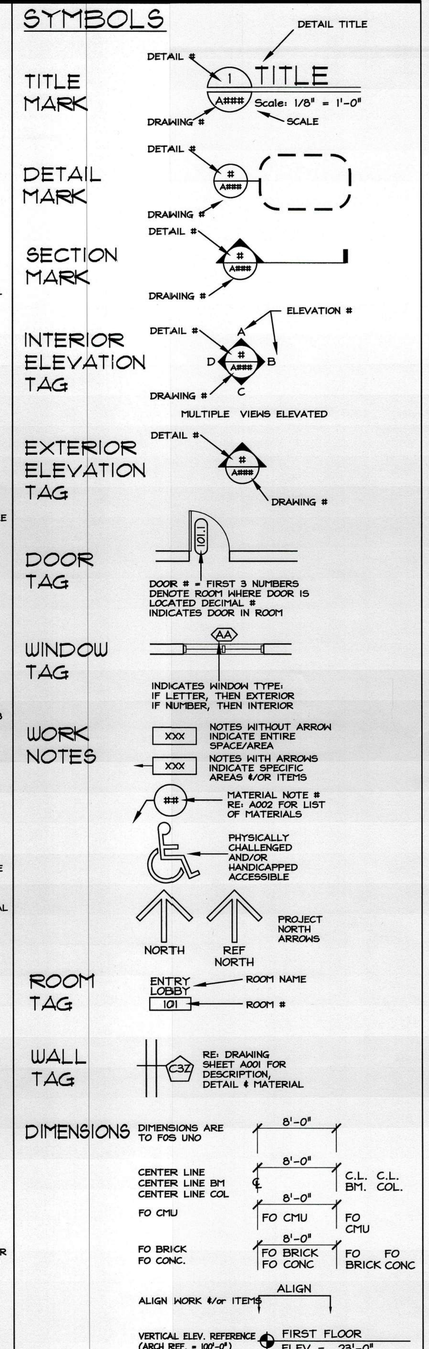
AFF	ABOVE FINISHED FLOOR
AF	ABOVE FLOOR
ACP	ACCESS PANEL
ACC	ACCESSORY, ACCESSORIES
ACOUS	ACOUSTICAL
ACT	ACOUSTIC CEILING TILE
ADH	ADHESIVE
ADJ	ADJUSTABLE
AGG	AGGREGATE (S)
A/C	AIR CONDITIONING
AVB	AIR/VAPOR BARRIER
AC	ALTERNATING CURRENT
ALT	ALTERNATE
ALUM	ALUMINUM
AT	ALUMINUM THRESHOLD
ANC	ANCHOR (S) ANCHORAGE (S)
AB	ANCHOR BOLTS
L∡	ANGLE
ANOD	ANODIZED
ANT	ANTENNA (E)
APP	APPROVED, APPROVAL
APPROX	APPROXIMATE
AD	AREA DRAIN
@	AT
ATT	ATTACH, ATTACHMENT
ALD	AUTOMATIC LOUVER DAMPER
AVE	AVENUE
AVG	AVERAGE
BTB	BACK TO BACK
BM	BEAM
BMK	BENCH MARK
BG	BEARING
BPL	BEARING PLATE
BIT	BITUMINOUS
BC	BOTTOM OF CURB
BLK	BLOCK
BLKG	BLOCKING
BD	BOARD
BF	BOTTOM OF FOOTING
BO	BOTTOM OF
BOC	BOTTOM OF CURB
BS	BOTH SIDES
BW	BOTH WAYS
BOT	BOTTOM
BKT	BRACKET
BK	BRICK
BRG	BRIDGING, BRIDGE (D)
BTU	BRITISH THERMAL UNIT
BLDG	BUILDING
BUR	BUILT-UP ROOFING
CK	CHALK
CBT, CAB	CABINET
CPT	CARPET
CI	CAST IRON
CB	CATCH BASIN
CLG	CEILING
CTR	CENTER
CL, ℄	CENTERLINE
CTC	CENTER TO CENTER
C	CENTIGRADE (CELSIUS)
CT	CERAMIC TILE
CLF	CHAIN-LINK FENCE
CB	CHALKBOARD
CH, [	CHANNEL
CM	CENTIMETER
CV	CHECK VALVE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CKT	CIRCUIT
CO	CLEANOUT
CLR	CLEAR, CLEARANCES
CLS	CLOSURE
CW	COLD WATER
C.COL	COLUMN
COMP	COMPRESS (ED),(ION),(IBLE)
CONC	CONCRETE (PORTLAND CEMENT)
CMU	CONCRETE MASONRY UNITS
COND	CONDUIT
CX	CONNECTION
CONT	CONTINUOUS
CLL	CONTRACT LIMIT LINE
CONTR	CONTRACTOR
CJ	CONTROL JOINT
CFL	COUNTERFLASHING (S)
CS	COUNTERSINK, COUNTERSUNK
CU	CUBIC
CU	COPPER
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CF	CUBIC FEET
CU IN	CUBIC INCH
CY	CUBIC YARD
CYL	CYLINDER, CYLINDRICAL
DPR	DAMPER
DP	DAMPPROOF (ED),(ING)
DL	DEAD LOAD
DB	DECIBEL
DEG	DEGREE
DEM	DEMOLISH, DEMOLITION
DEP	DEPRESSED
DET	DETAIL
DIA or Ø	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DC	DIRECT CURRENT
DCX	DISCONNECT (ION)
DPN	DISPENSER
DPL	DISPOSAL, DISPOSABLE
DR	DOOR
DBL	DOUBLE
DH	DOUBLE-HUNG
DTA	DOVETAIL ANCHOR
DTS	DOVETAIL ANCHOR SLOT
DN	DOWN
DS	DOWNSPOUT
D	DRAIN, DRAINAGE LINE
DI	DRAIN INLET
DT	DRAIN TILE
DWG,DRWG	DRAWING (S)
DF	DRINKING FOUNTAIN
DMH	DROP MANHOLE
EIFS	EXT. INSUL FINISH SYSTEM
EW	EACH WAY
EA	EACH
EFF	EFFICIENCY
E, ELECT.	ELECTRIC, ELECTRICAL
EP	ELECTRIC PANEL
EWC	ELECTRIC WATER COOLER
EL, ELEV	ELEVATION
ENC	ENCLOSE, ENCLOSURE
EQ, =	EQUAL (TO)
EQP, EQUIP	EQUIPMENT
EXH	EXHAUST
ED	EXHAUST DUCT
EF	EXHAUST FAN
EH	EXHAUST HOOD
EXIST.	EXISTING
EXP	EXPANSION
EXP	EXPOSED
EB	EXPANSION BOLT
EJ	EXPANSION JOINT
ET	EXTENDED, EXTENSION
EPS	EXTRUDED POLYSTYRENE
EXT	EXTERIOR
FAB	FABRICATE
FO	FACE OF
FS, FOS	FACE OF STUD
FAS	FASTEN, FASTENER
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FNDR	FEMININE NAPKIN DISPENSER
FNDP	FEMININE NAPKIN DISPOSAL UNIT
FF	FINISH FLOOR

FBD	FIBERBOARD
FGL	FIBERGLASS
FIL	FILLER (S)
FIN	FINISH
FFE	FINISH FLOOR ELEVATION
FFL	FINISH FLOOR LINE
FTR	FINNED TUBE RADIATION
FA	FIRE ALARM STATION
FDC	FIRE DEPARTMENT CONN.
FE	FIRE EXTINGUISHER
FEC, FXC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FH	FIRE HYDRANT
FMN	FIRE MAIN
FR	FIREPROOF (ING)
FR	FIRE RESISTANT
FRC	FIRE-RESISTANT COATING
FRT	FIRE-RETARDANT TREATMENT
FSP	FIRE STANDPIPE
FXD	FIXED
FXT	FIXTURE
FLG	FLASHING
FHCS	FLAT HEAD COUNTERSUNK SCREW
FHWS	FLAT HEAD WOOD SCREW
FLX	FLEXIBLE
FLR	FLOOR, FLOORING
FD	FLOOR DRAIN
FGR	FLOOR GRILLE (REGISTER)
FLU	FLUORESCENT
FL	FLOW LINE
FT	FOOT, FEET
FC	FOOTCANDLES
FTG	FOOTING
FWK	FORMWORK
FND, FDW	FOUNDATION (WALL)
FR	FRAME (D),(ING)
FBO	FURNISHED BY OTHERS
F & I	FURNISH & INSTALL
FURR	FURRING
FUT	FUTURE
FAI	FRESH AIR INTAKE
FRP	FIBER REINFORCED PLASTIC
FSL	FUSIBLE LINK
GAL	GALLON (S)
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPS	GALLONS PER SECOND
GALV	GALVANIZED
GI	GALVANIZED IRON
GST	GALVANIZED STEEL
G	GAS
GKT	GASKET (ED)
GAV	GATE VALVE
GA	GAUGE
GLB	GLASS BLOCK
GMU	GLAZED MASONRY UNITS
GB	GRAB BARS
GRD	GRADE, GRADING
GRT	GRANITE
GVL	GRAVEL
GR	GRILLE
GD	GROUND (ED)
GT	GROUT (ED)
GYP. BD.	GYPSUM WALLBOARD
GWB	GYPSUM WALLBOARD
GYL	GYPSUM LATH
GFRC	GLASS FIBER REINF. CONC.
GPL	GYPSUM PLASTER
HH	HAND HOLD
HA	HANGER
HBD	HARDBOARD
HC	HANDICAP(PED)
HDN	HARDENER (ED)
HDW	HARDWARE
HWD	HARDWOOD
HD	HEAD
HDR	HEADER
HDE	HEAT DETECTOR
HTG	HEATING
HAC	HEATING & AIR CONDITIONING
H & V	HEATING & VENTILATING
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HVC	HEATING, VENTILATING, COOLING
Hz	HERTZ (CYCLES PER SECOND)
HPL	HIGH PRESSURE LAMINATE
HV	HIGH VOLTAGE
HWY	HIGHWAY
HO	HOLD OPEN
HCWD	HOLLOW CORE WOOD
HM	HOLLOW METAL
HMD	HOLLOW METAL DOOR
HMF	HOLLOW METAL FRAME
HK	HOOK (S)
HR	HOUR
HOR, HORZ.	HORIZONTAL
HP	HORSEPOWER
HB	HOSE BIBB
HW	HOT WATER
HWR	HOT WATER RETURN
HWC	HOT WATER, CIRCULATOR
HWF	HOT WATER FAUCET
HWH	HOT WATER HEATING
HWT	HOT WATER TANK
HYD	HYDRANT
IN	INCH
INCL	INCLUDING (ED),(SIVE)
INFO	INFORMATION
ID	INSIDE DIAMETER
INSL	INSULATE (D),(ATION)
IMC	INSULATED METAL CLAD
INT	INTERIOR, INTERNAL
INV	INVERT
IE	INVERT ELEVATION
IDM	ISOLATE DISC. METALS
JAN	JANITOR
JT	JOINT
JF	JOINT FILLER
JS	JOINT SEALER
J	JOIST
JCT	JUNCTION
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATT
K	KIP
KD	KNOCK DOWN
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE (D)
LAT	LATERAL
LAV	LAVATORY
LB	LAG BOLT
LBL	LABEL
LBS, #	POUND'S
LCC	LEAD COATED COPPER
LDR	LEADER
LH	LEFT-HAND
LWOD	LESS WIDTH OF DOOR
LIN	LINEN
LP	LIGHT PROOF
LS	LIMESTONE
LTL	LINTEL
LL	LIVE LOAD
LLV	LONG LEG VERTICAL
LW	LIGHT WEIGHT
LP	LOW PRESSURE
LOC	LOCATION
LKR	LOCKER
LG	LONG, LENGTH
LONG	LONGITUDINAL
L or LH	LONG SPAN STEEL JOIST
LVR	LOUVER
LV	LOW VOLTAGE

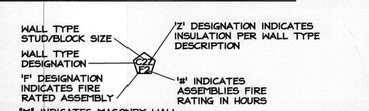
MB	MACHINE BOLT
MH	MANHOLE
MFD,MFR'D	MANUFACTURED
MFR	MANUFACTURER
MFG	MANUFACTURING
MBL	MARBLE
MK	MARK
MAS	MASONRY
MCJ	MASONRY CONTROL JOINT
MJ	MASONRY JOINT
MO	MASONRY OPENING
MTL	MATERIAL (S)
MAX	MAXIMUM
MC	MEDICINE CABINETS
MED	MEDIUM
MDF	MEDIUM DENSITY FIBERBOARD
MBR	MEMBER
MMB,MEMB	MEMBRANE
MTL	METAL
METC	METAL CLAD
ME	METAL EDGE
MRE	METAL ROOF DECK(ING)
M	METER (S)
MEZZ	MEZZANINE
MIC	MICROPHONE
MM	MILLIMETER
MWK	MILLWORK
MIN	MINIMUM
MIR	MIRROR
MIS	MISCELLANEOUS
MXV	MIXING VALVE
MOD	MODULAR
MLD	MOLDING
MDO	MEDIUM DENSITY OVERLAY
MT	MOUNT (ED), (ING)
MHT	MOUNTING HEIGHT
MUL	MULLION
NL	NAILABLE
NAT	NATURAL (FINISH)
NRC	NOISE-REDUCTION CO-EFFICIENT
NOM	NOMINAL
NC	NON-CORROSIVE
NIC	NOT IN THIS CONTRACT
NTS	NOT TO SCALE
NO,#	NUMBER
OC	ON-CENTER
K,L,H	OPEN-WEB STEEL JOIST
OPG, OPNG	OPENING
OPR	OPERATOR
OPP	OPPOSITE
O.H.,OPH	OPPOSITE HAND
OHS	OPPOSITE HAND SIMILAR
OSB	ORIENTED STRAND BOARD
OAE	OR APPROVED EQUAL
OZ	OUNCE (S)
OD	OUTSIDE DIAMETER
OA	OVERALL
OH	OVERHEAD
OHB	OVERHEAD BRACED
OHD	OVERHEAD DOOR
OF	OWNER FURNISHED
OFI	OWNER FURNISHED & INSTALLED
OFCI	OWNER FURNISH-CONTRACTOR INSTALL
OX	OXYGEN
PT	PRESSURE TREATED
PNT, PTD	PAINT, PAINTED
PR	PAIR
PNL	PANEL
PAR, //	PARALLEL
PBD	PARTICLE BOARD
PTN	PARTITION
PCT or %	PERCENT (AGE)
PF	PERFORATED (D)
PERIM	PERIMETER
PERP, ⊥	PERPENDICULAR
P	PHASE
PLAS	PLASTER
PL	PLATE
PLUMB	PLUMBING
PLYWD	PLYWOOD
PNU	PNEUMATIC
POL	POLISH (ED)
PE	PORCELAIN ENAMEL
PCF	POUNDS PER CUBIC FOOT
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PIC	POURED INPLACE CONCRETE
PDF	POWER DRIVEN FASTENER (ING)
PCC	PRECAST CONCRETE
PREFAB	PREFABRICATED
PRN	PREFINISH (ED)
PRF	PREFORMED
PM	PREMOLDED
PRMTL	PRESSED METAL
PVT	PRIVATE
PROJ	PROJECT
PL, ℄	PROPERTY LINE
P&I	PROVIDE & INSTALL
PUB	PUBLIC
PA	PUBLIC ADDRESS SYSTEM
PB	PULL BOX
PU	PULL, PULL CHAIN
PP	PUMP
PD	PUMP DISCHARGE
PIV	POST INDICATOR VALVE
PC	PHYSICALLY CHALLENGED
PVC	POLY VINYL CHLORIDE
QT	QUARRY TILE
RW	RACEWAY
RAD	RADIATOR, RADIATION
RA, R	RADIUS
R	RISER
RL	RAIL, RAILING
RR	RAILROAD
RECP	RECEPTACLE
REF	REFERENCE
RFL	REFLECTIVE
RE	REFER TO
REG	REGISTER
RFC	REINFORCE (D) (ING)
RC	REINFORCED CONCRETE
REQ,REQ'D	REQUIRE(ED), REQUIREMENTS
R & S	REMOVE AND SALVAGE
R & D	REMOVE AND DISPOSE
R & R	REMOVE AND REINSTALL
RESIL	RESILIENT
RTN	RETAIN (ED) (ER) (ING)
RVS, REV	REVERSE (SIDE)
REV	REVISE (ED), REVISION
RPM	REVOLUTIONS PER MINUTE
RPS	REVOLUTIONS PER SECOND
RH	RIGHT HAND
ROW	RIGHT-OF-WAY
RD	ROOF DRAIN
RFG	ROOFING
RM	ROOM
RO	ROUGH OPENING
RU	RUBBER
RP	RUSTPROOF (ING)

SDL	SADDLE
SAN	SANITARY (SEWER)
SCN	SCREEN
SLT	SEALANT
SLR	SEALER
STG	SEATING
SEC	SECTION
SEL	SELECT (OR)
SPT	SEPTIC TANK
SVC	SERVICE
SSK	SERVICE SINK
STH	SHEATHING
SHT	SHEET
SHV	SHELF, SHELVING
S & R	SHELF & ROD
SHR	SHOWER RECEPTOR
SIM	SIMILAR (TO)
SH	SINGLE HUNG
SK	SINK
SKL	SKYLIGHT
SL	SLEEVE
SDE, SD	SMOKE DETECTOR
SHV	SMOKE-VENTING HATCH
SCWD	SOLID CORE WOOD
SSM	SOLID SURFACE MATERIAL
SP	SOUNDPROOF
SPK	SPEAKER
SPEC	SPECIFICATIONS, PROJECT MANUAL
SPF	SPECIFIED
SPR	SPRINKLER
SQ, ◻	SQUARE
SF	SQUARE FOOT (FEET)
SY	SQUARE YARD
STAG	STAGGER
SS	STAINLESS STEEL
STD	STANDARD
ST	STEEL
STIFF	STIFFENER
STN	STONE
STO	STORAGE
SD	STORM DRAIN
ST	STREET
S	STRUCTURAL
SIP	STRUCTURAL INSULATED PANEL
SUP	SUPPORT
SUSP	SUSPENDED
SAT	SUSPENDED ACOUSTIC TILE
SUSP CEIL	SUSPENDED CEILING
SYM	SYMMETRY (ICAL)
SYS	SYSTEM
TB	TACKBOARD
TEL	TELEPHONE
TV	TELEVISION
TMP, TEMP	TEMPER (ED)
TCV	TEMPERATURE CONTROL VALVE
TP	TEST PIT
TZ	TERRAZZO
THM	THERMOMETER
THS	THERMOSTAT
TH	THICK, THICKNESS
THR	THRESHOLD
TCL	TIME CLOCK
TOL	TOLERANCE
TG, T & G	TONGUE AND GROOVE
TO	TOP OF
TOC	TOP OF CONCRETE / CURB
TOS, TS	TOP OF STEEL
TOW	TOP OF WALL
TRANS	TRANSFORMER
TR	TRANSOM
TJI	TRUSS JOIST 'I' SECTION
TP	TURNING POINT
TYP	TYPICAL
TOM	TOP OF MASONRY
UHF	ULTRAHIGH FREQUENCY
UF	UNDERFLOOR (DUCT)
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UH	UNIT HEATER
UK	UNIT KITCHEN
UV	UNIT VENTILATOR
UAS	UPWARD ACTING SECTIONAL
VJ	V-JOINTED
VA	VACUUM
VAB	VACUUM BREAKER
VB	VAPOR BARRIER
VP	VAPORPROOF
VNR	VENEER
VE	VENT
VR, VTR	VENT THROUGH ROOF
VTR	VENTILATOR
VER, VERT	VERTICAL
VHF	VERY HIGH FREQUENCY
VLF	VERY LOW FREQUENCY
VI	VIBRATION ISOLATOR
VNL	VINYL
VCT	VINYL COMPOSITION TILE
VB	VINYL BASE
VF	VINYL FABRIC
VQT	VINYL QUARTZ TILE
VS	VINYL SHEET
VT	VINYL TILE
VIT	VITREOUS
VC	VITRIFIED CLAY
V	VOLT (AGE)
VWC	VINYL WALLCOVERING
WN	WAINSCOT
WH	WALL-HUNG
WHY	WALL HYDRANT
WTW	WALL TO WALL
W	WASTE
WR	WASTE RECEPTACLES
WC	WATER CLOSET
WHA	WATER HAMMER ARRESTOR
WP	WATERPROOF (ED), (ING)
WPT (WP)	WORK (ING) POINT
WST	WEATHERSTRIPPING
WE	WEEPHOLE
WWF	WELDED WIRE FABRIC
WID	WIDE, WIDTH
WF,WF	WIDE-FLANGE BEAM
WG	WIRE GLASS
WM	WIRE MESH
W, W/	WITH
W/IN	WITHIN
WO, W/O	WITHOUT
WD	WOOD
WB	WOOD BASE
WBM	WOOD BEAM
WBO	WORK BY OTHERS
WBOR	WORK BY OWNER
WBT	WORK BY TENANT
WK	WORK
WKRM	WORKROOM
WI	WROUGHT IRON
XR	X-RAY
Y	WYE FITTING
Z	ZONE
ZC	ZINC COATED
ZS	ZEE STUD

SYMBOLS



INTERIOR WALL DESIGNATIONS:



"M" INDICATES MASONRY WALL.
"CL" INDICATES PROTECTED COLUMN ASSEMBLY - SEE COLUMN FIREPROOFING NOTES THIS SHEET

EXAMPLE - WALL "A2"
"A" - WALL TYPE
"2" - STUD THICKNESS

EXAMPLE - WALL TYPE "M4"
"M" - MASONRY WALL
"4" - CMU THICKNESS

METAL STUDS	WOOD STUDS	MASONRY WALLS
1 = 1 5/8" STUDS	3 = 2 X 3 STUDS	2 = 1 5/8" SOAP
2 = 2 1/2" STUDS	4 = 2 X 4 STUDS	4 = 4" BLOCK
3 = 3 5/8" STUDS	6 = 2 X 6 STUDS	6 = 6" BLOCK
4 = 4" STUDS		8 = 8" BLOCK
6 = 6" STUDS		10 = 10" BLOCK
		12 = 12" BLOCK

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Certification

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Project

STATE OF RHODE ISLAND

DEPARTMENT OF ADMINISTRATION

DIVISION OF CAPITAL ASSET MANAGEMENT AND MAINTENANCE

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Drawing Status

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Sheet Contents

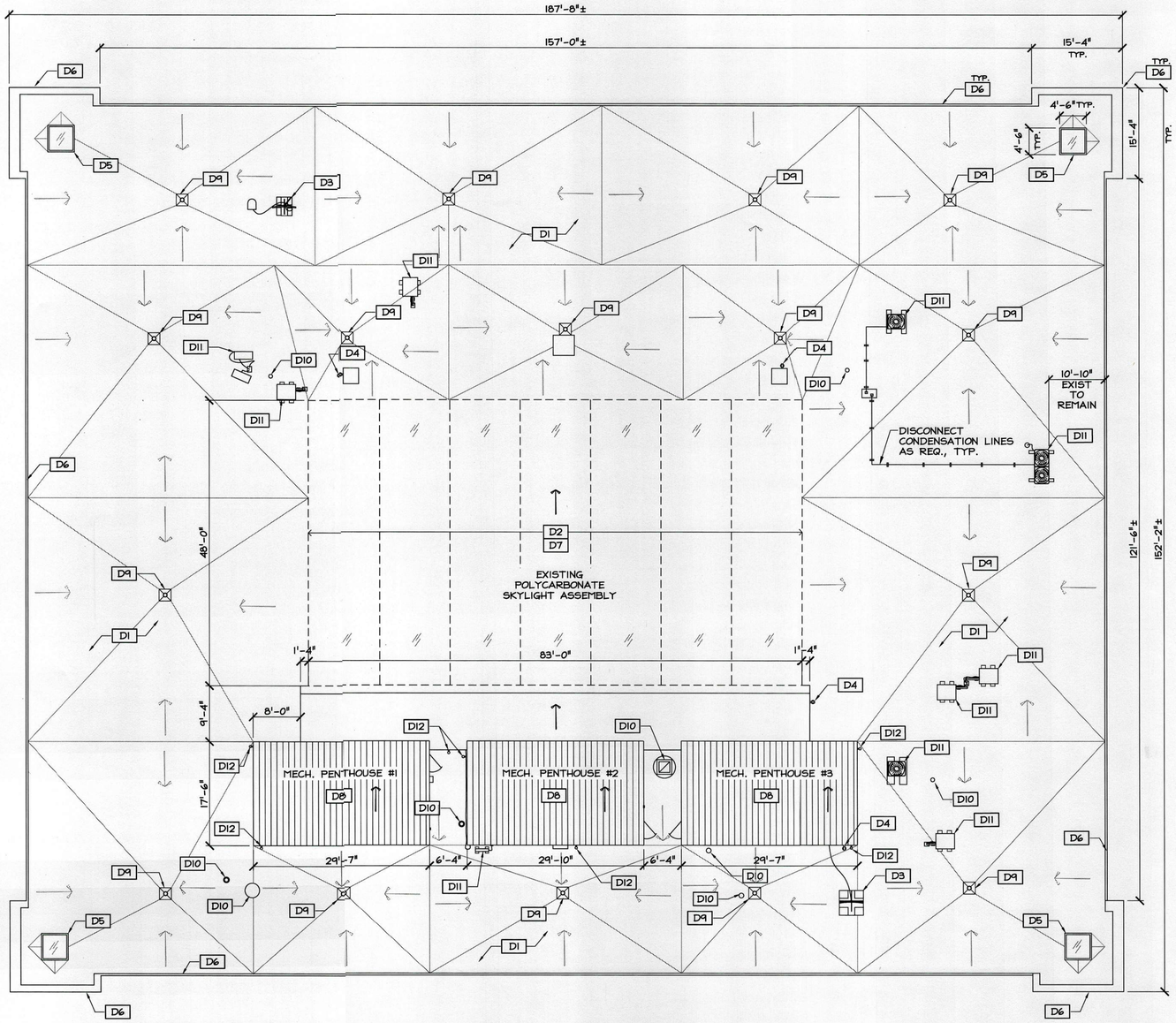
ABBREVIATION SHEET

Project Number. 6550

Drawing No.

A002

Sheet of



REF
N

1 DEMOLITION ROOF PLAN

D100 Scale: 3/32" = 1'-0"

GENERAL DEMOLITION NOTES:

1. THE EXISTING CONDITIONS INFORMATION SHOWN &/or INDICATED ON THE DRAWINGS WAS OBTAINED FROM LIMITED EXISTING DRAWINGS PREPARED BY OTHERS; FIELD REVIEW; FIELD MEASUREMENT; &/or OTHER AVAILABLE DOCUMENTATION &/or OBSERVATION BY OTHERS. NOT ALL EXISTING CONDITIONS &/or ACTUAL CONSTRUCTION MAY BE INDICATED &/or KNOWN.
2. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, CONNECTIONS, LOCATIONS, SIZES, AND DIMENSIONS, ETC. IN THE FIELD AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING DEMOLITION WORK.
3. CONTRACTOR TO COORDINATE EXTENTS OF ALL DEMOLITION WORK WITH ALL NEW WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING DEMOLITION WORK.
4. EXISTING BUILDING CONSTRUCTION DEFICIENCIES NOT INDICATED ON THE DRAWINGS, BUT UNCOVERED &/or DISCOVERED BY CONTRACTOR'S CONSTRUCTION ACTIVITIES SHALL BE REPORTED TO THE ARCHITECT FOR REVIEW PRIOR TO INSTALLATION OF NEW WORK. ADDITIONAL DETAILS WILL BE FURNISHED AS NECESSARY. TYPICAL.
5. FULL EXTENT OF BUILDING MATERIALS IS UNKNOWN. EXISTING BUILDING CONSTRUCTION MAY CONTAIN MATERIALS THAT REQUIRE ABATEMENT. IF POTENTIAL MATERIALS ARE DISCOVERED, CONTRACTOR TO NOTIFY OWNER & ARCHITECT BEFORE PROCEEDING WITH WORK.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE SECURITY OF THE AREA UNDER CONSTRUCTION & DEMOLITION.
7. CONTRACTOR TO MAINTAIN BUILDING IN A SAFE AND SECURE MANNER AND TO ELIMINATE THE APPEARANCE OF AN UNATTRACTIVE NUISANCE. MAINTAIN PHYSICAL BARRIER TO PREVENT ROOF ACCESS AND PROVIDE FALL BARRIER ALONG ROOF EDGE DURING CONSTRUCTION.
8. CONTRACTOR TO MAINTAIN BUILDING/ROOF INTEGRITY & WEATHER-TIGHTNESS OF EXTERIOR ENVELOPE AT THE END OF EACH WORK DAY. CONTRACTOR IS NOT PERMITTED TO REMOVE IN ONE DAY ANY MORE THAN CAN BE SECURED AT THE END OF DAY. CONTRACTOR TO COORDINATE SKYLIGHT INSTALL WITH MANUFACTURER, AND PROVIDE TEMPORARY PROTECTIONS ABOVE AND BELOW AS REQ. TO KEEP OCCUPANTS SAFE AND BUILDING WATER-TIGHT, TYP.
9. CONTRACTOR TO PROVIDE ALL OSHA and/or BUILDING CODE REQUIRED SAFETY PROTECTION TO PROTECT WORKERS FROM FALLS, CRUSHING, ELECTROCUTION, IMPACT FROM ABOVE, ETC. MAINTAIN A FIRE WATCH AT ALL "HOT" WORK.
10. CONTRACTOR TO MAINTAIN 1-HR FIRE SEPARATION BETWEEN CONSTRUCTION ACTIVITIES AND OCCUPIED AREA(S). COORDINATE WITH FIRE CODE ENFORCEMENT AUTHORITY HAVING JURISDICTION.
11. CONTRACTOR TO FURNISH AND INSTALL ALL SHORING AND/OR BRACING TO SUPPORT ALL EXISTING WALLS, FLOORS/ROOFS, ETC. PRIOR TO REMOVALS OF EXISTING CONSTRUCTION.
12. CONTRACTOR IS TO SUPPLY AND INSTALL DUST BARRIERS, GASKETING ON DUST BARRIER DOORS, AND NEGATIVE AIR PRESSURE IN ALL WORK AREAS, AS WELL AS NON TRACKING STICKY MATS AT ALL WORK AREA ENTRANCES. THE USE OF NOISY TOOLS, VOC-CONTAINING MATERIALS, AND PRODUCTS WITH ODORS, SHALL BE USED ON A LIMITED BASES ONLY.
13. CONTRACTOR SHALL SCHEDULE ALL LOUD AND DISRUPTIVE ACTIVITIES BEFORE OR AFTER OFFICE WORK HOURS. ROOFING WORK TO BE PERFORMED DURING NORMAL WORK BUSINESS HOURS. SKYLIGHT WORK WORK TO BE PERFORMED ON WEEKENDS STARTING AT 6AM. CONTRACTOR SHALL CONFIRM AND COORDINATE REMOVAL AND REPLACEMENT PROCESS WITH OWNER FOR OFF HOUR TIMES WHERE WORK CAN BE COMPLETED.
14. PROVIDE FIRE CAULKING & MINERAL WOOL INSULATION OR FIRE STOPPING AT ANY FOUND GAPS BETWEEN FLOOR DECKS AND VERTICAL SHAFTS OR EXTERIOR WALLS.
15. PATCH/REPAIR/REFINISH ALL SURFACES, INTERIOR FINISHES, AND EXTERIOR FINISHES EXPOSED OR DAMAGED BY DEMOLITION WORK.
16. CONTRACTOR SHALL PROTECT ALL EXISTING WORK TO REMAIN DURING DEMOLITION.
17. CONTRACTOR SHALL DISPOSE OF DEMOLITION MATERIAL(S) IN A SAFE, LEGAL MANNER.
18. MECHANICAL AND ELECTRICAL ITEMS TO BE REMOVED AND REINSTALLED BY LICENSED CONTRACTOR. ROOF CURBS TO BE RAISED ACCORDINGLY TO MAINTAIN EQUAL OR BETTER CLEARANCES TO ROOF. MECH & ELEC LOCATIONS IN DRAWINGS ARE DIAGRAMMATIC ONLY, EXACT LOCATIONS SHALL BE COORDINATED IN THE FIELD. FURNISH AND INSTALL ALL INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE FOR OPERATION.
19. ALLOW FOR RAISING OF ALL MECH. & SKYLIGHT CURBS, AND ROOF EDGE FOR FASICA, A 1 1/2" MINIMUM.
20. EXISTING DETERIORATED MATERIALS SHALL NOT BE CONCEALED. REPORT TO OWNER & ARCHITECT UPON DISCOVERY. CONTRACTOR TO INSPECT ROOF DECK AND EXISTING EDGE BLOCKING UPON EXPOSURE AND NOTIFY ARCHITECT AND OWNER'S PROJECT MANAGER PRIOR TO ANY REPLACEMENT.
21. DUMPSTER AND ALL OTHER CONSTRUCTION EQUIPMENT LOCATIONS SHALL BE COORDINATED WITH THE OWNER. PROTECT PAVING AND OTHER SURROUNDING MATERIALS FROM DAMAGE DURING CONSTRUCTION.
22. ALL EXISTING ROOF DRAINS TO BE REPLACED WITH DIRECT DROP IN REPLACEMENT DRAINS AT EXISTING LOCATIONS.
23. VERIFY THAT ROOF INSULATION DOES NOT PREVENT AIR FLOW AT TOP OF EXTERIOR WALLS AND OTHER OBSTRUCTIONS ABOVE INSULATED CEILING AREAS AND WHERE REQUIRED PROVIDE ADDITIONAL RIGID AIR BAFFLES TO ALLOW PROPER AIR MOVEMENT.
24. DEMOLITION NOTES ARE GENERAL IN NATURE. THE CONTRACT DRAWINGS REQUIRE ALL DEMOLITION NECESSARY TO ACCOMPLISH THE FINAL RESULT OF THE WORK AS SHOWN IN THE CONTRACT DOCUMENTS WHETHER OR NOT SUCH DEMOLITION IS SPECIFICALLY NOTED ON THE CONTRACT DRAWINGS.
25. GC TO PROVIDE PROTECTION AT EXISTING LANDSCAPING, GC TO FIX/REPAIR/REPLACE ANY LANDSCAPE DAMAGED DURING DEMOLITION OR CONSTRUCTION, TYP.

DEMOLITION PLAN LEGEND:

XXX — NOTES WITHOUT AN ARROW INDICATE AN ENTIRE SPACE/AREA.

XXX — NOTES WITH AN ARROW(S) INDICATE SPECIFIC AREAS &/or ITEMS.

EXISTING WALL/ITEM TO REMAIN

EXISTING ITEM TO BE REMOVED

R&D = REMOVE & DISPOSE OF
R&S = REMOVE & SALVAGE
R&R = REMOVE & REINSTALL
ETR = EXISTING TO REMAIN

DEMOLITION NOTES:

EXISTING ROOF:
60-MIL PVC MEMBRANE
1 1/2" POLYISOCYANURATE INSULATION
BUR & GRAVEL
APPROX. 1 1/2" PERLITE
STEEL DECK

D1	R&D ROOFING SYSTEM IN ITS ENTIRETY TO DECK. PREPARE FOR NEW MEMBRANE ROOFING SYSTEM.
D2	R&D EXISTING BARREL VAULT ATRIUM SKYLIGHT ASSEMBLY IN ITS ENTIRETY. COORDINATE REPLACEMENT w/ NEW WORK PLAN AND ENLARGED DETAILS SHEETS, TYP.
D3	R&S COMMUNICATIONS / ELECTRICAL EQUIPMENT FOR REINSTALL AFTER NEW ROOFING. GC TO TO COORDINATE DISCONNECT/REPLACEMENT w/ SERVICE PROVIDER, TYP.
D4	R&D ELECTRICAL RECEPTACLE
D5	R&D SKYLIGHT WINDOW, INSPECT EXIST. CURB, AND PREPARE FOR REPLACEMENT SKYLIGHT.
D6	R&D CONT. METAL COPING / FASCIA, PREPARE FOR REPLACEMENT AT ALL ROOF EDGE. GC TO INSPECT WOOD BLOCKING FOR DAMAGE OR ROT, TYP.
D7	PREPARE EXISTING STEEL BEAM SURFACE FOR SKYLIGHT SILL LUGS / ANCHORS, REMOVE ANY EXTRANEOUS FASTENERS, BLOCKING, SHIMS, SEALANT, GASKETS, ETC., COORDINATE w/ STRUCTURAL DRAWINGS, TYP.
D8	GC PREPARE ALL EXPOSED SURFACES OF EXISTING CORRUGATED METAL PENTHOUSE ENCLOSURES, REMOVE ALL WIRES, BRACKETS, FIXTURES, ETC., FOR INSTALL OF NEW INSULATION & ROOFING TO RUN UP AND OVER, ENCASING PENTHOUSE, COORDINATE w/ NEW WORK PLAN AND ENLARGED DETAILS SHEETS, TYP.
D9	R&D EXISTING ROOF DRAIN, INSPECT FOR WATER DAMAGE AT DECK, PREPARE FOR REPLACEMENT.
D10	R&D FLASHING BOOT AT EXISTING FLUE OR PLUMBING PENETRATION. INSPECT FOR WATER DAMAGE, PREPARE FOR REPLACEMENT.
D11	R&R EXISTING MECHANICAL EQUIPMENT TO EXISTING LOCATIONS, U.N.O. ALL EXISTING CURBS TO BE INSPECTED FOR DAMAGE OR ROT. ALL CURBS TO BE RAISED, REFER TO GEN. NOTE #19 THIS SHEET. GC TO REPLACE ALL EXISTING SLEEPERS. ALL PITCH POCKETS TO BE CLEANED OUT AND REPLACED. TYP.
D12	R&R EXISTING SURVEILLANCE CAMERA EQUIPMENT, TYP.

NOTE: ALL DIMENSIONS TO BE FIELD VERIFIED PRIOR TO PURCHASING, TYP.

LEGEND:

SLOPE DN	DIRECTION OF ROOF SLOPE
	EXISTING MECHANICAL ROOF TOP UNITS
	ROOF ELEVATION CHANGE
PV	EXISTING ROOF PENETRATION / PLUMBING VENT
	EXISTING ROOF TOP EXHAUST / INTAKE
	EXISTING CONDENSER / MECHANICAL UNIT
	EXISTING ROOF DRAIN
	EXISTING SURVEILLANCE CAMERA
	EXISTING ELECTRICAL RECEPTACLE
	EXISTING COMMUNICATIONS / SATELLITE EQUIPMENT

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STATE OF RHODE ISLAND

DEPARTMENT OF ADMINISTRATION

DIVISION OF CAPITAL ASSET MANAGEMENT AND MAINTENANCE

DMV ROOF & SKYLIGHT REPLACEMENT

STATE OF RHODE ISLAND
HOPE

600 New London Ave, Cranston RI 02920

Drawing Status

FOR CONSTRUCTION

Issued On 6/12/2020

Sheet Contents

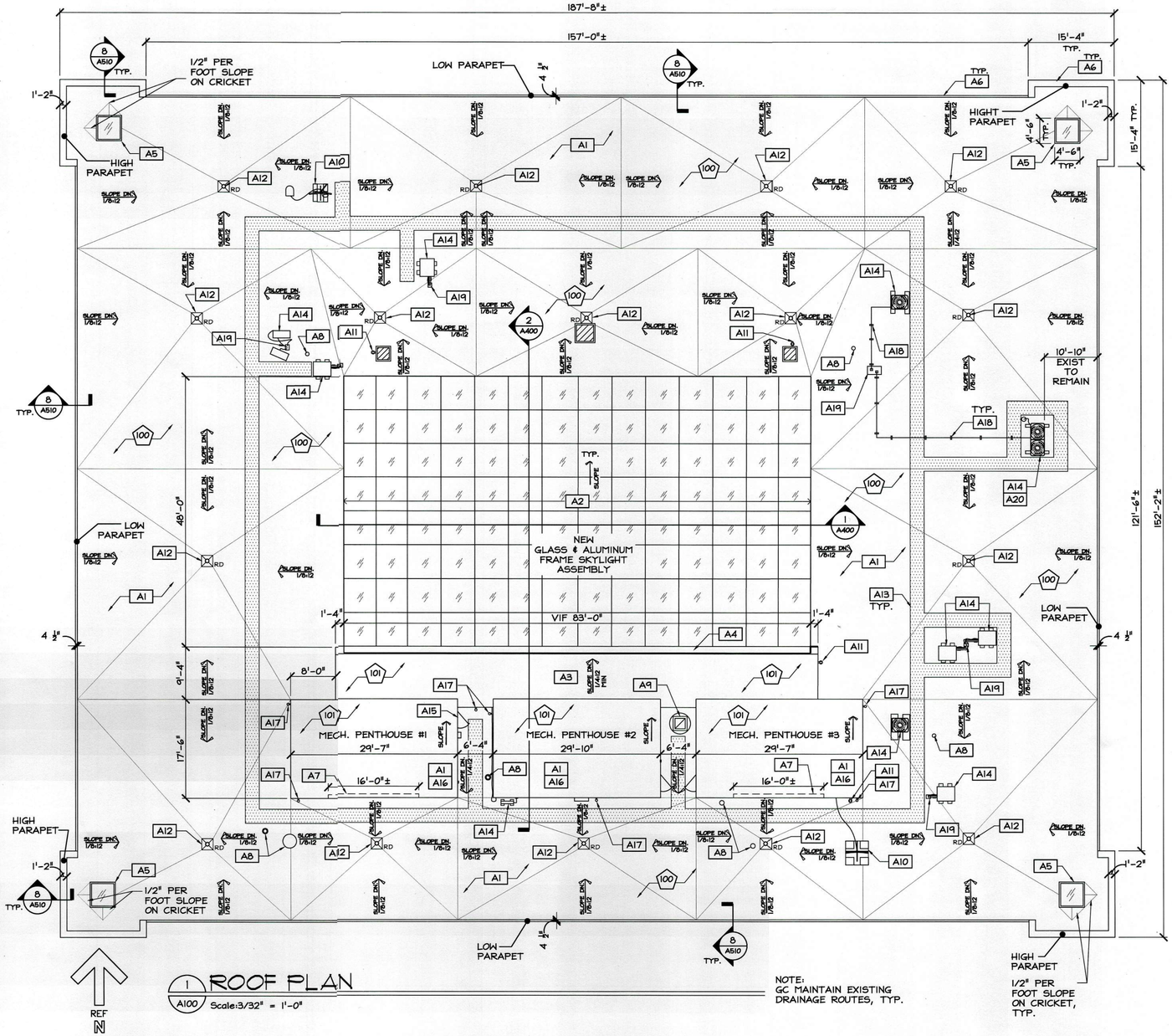
ROOF DEMOLITION PLAN

Project Number. 6550

Drawing No.

D100

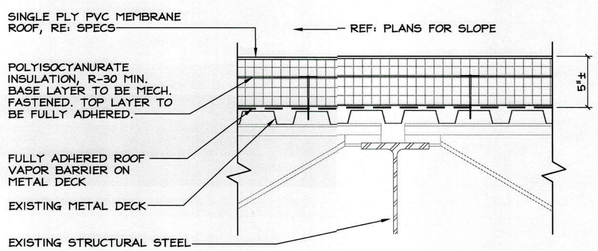
Sheet of



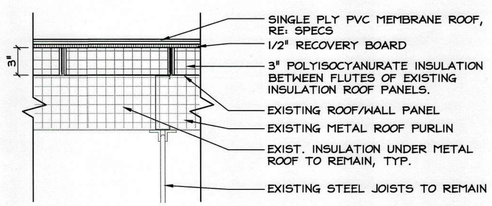
1 ROOF PLAN

A100 Scale:3/32" = 1'-0"

NOTE:
GC MAINTAIN EXISTING DRAINAGE ROUTES, TYP.



100 TYPICAL ROOF ASSEMBLY
NON-FIRE RATED



101 TYPICAL ROOF ASSEMBLY
NON-FIRE RATED

2 ROOF CONSTRUCTION TYPES

A100 Scale: 1 1/2" = 1'-0"

GENERAL ROOF NOTES:

1. NOT ALL PENETRATIONS MAY BE SHOWN. COORDINATE ALL WORK DRAWINGS AND FIELD VERIFY ALL EXISTING CONDITIONS IN FIELD. DISCREPANCIES NOTED BY THE CONTRACTOR MUST BE BROUGHT TO THE ARCHITECT'S & OWNER'S ATTENTION PRIOR TO BIDDING.
2. ALL DIMENSIONS TO BE FIELD VERIFIED.
3. ALL DIMENSIONS TO EXISTING CONSTRUCTION ARE TO FACE OF FINISH U.N.O.
4. ARROW ⟶ DENOTES DOWNWARD SLOPE OF ROOF.
5. PROVIDE ROOF CRICKETS (TAPERED INSULATION) UP SLOPE OF ALL HVAC &/or OTHER ROOF TOP EQUIPMENT CURBS TO PREVENT PONDING OF WATER. SLOPE CRICKETS @ ±1/2"/FT (TYP)
6. PROVIDE NOM. 30" SQ WALKING PADS AROUND ALL ROOF TOP EQUIPMENT & AT ROOF ACCESS POINT(S). EXTENT OF WALKING PATH(S) ARE SHOWN. G.C. TO VERIFY EXACT QUANTITY.
7. CONTRACTOR TO MAINTAIN ALL EXIST. MECHANICAL EQUIPMENT 10' MINIMUM FROM ROOF EDGE(S) WITH FALL POTENTIAL.
8. NEW ROOFING TO BE APPROX. 2" THICKER THAN EXISTING ASSEMBLY. GC TO CARRY NEW PT 2X BLOCKING AS REQ. TO RAISE ALL, BUT NOT LIMITED TO, MECHANICAL CURBS, ROOF EDGE PARAPETS, ROOF PENETRATIONS, AND ROOF DRAINS, AS REQ. TO MAINTAIN EXISTING CLEARANCES TO ROOFING, TYP.
9. PROVIDE NEW FLASHING BOOT AND SHEET METAL FLASHING FOR ALL PLUMBING AND MECHANICAL PENETRATIONS PER MANUFACTURERS INSTRUCTIONS, TYP.
10. PROVIDE NEW PITCH POCKETS AT ALL EXISTING PITCH POCKET LOCATIONS, TYP.

ROOF PLAN LEGEND:

XXX NOTES WITHOUT AN ARROW INDICATE AN ENTIRE SPACE/AREA.

XXX NOTES WITH AN ARROW(S) INDICATE SPECIFIC AREAS &/or ITEMS.

EXISTING TO REMAIN

NEW CONSTRUCTION

F&I = FURNISH & INSTALL
R&D = REMOVE & DISPOSE OF
R&S = REMOVE & SALVAGE
R&R = REMOVE & REINSTALL
ETR = EXISTING TO REMAIN

ROOF WORK NOTES:

A1	F&I NEW MEMBRANE ROOFING. COORDINATE w/ ENLARGED DETAILS SHEET AND ROOFING MFR, TYP.
A2	F&I NEW CUSTOM ATRIUM SKYLIGHT ASSEMBLY, COORDINATE w/ ROOF DETAILS SHEET A511, STRUCTURAL DRAWINGS, AND CUSTOM SKYLIGHT MFR INSTALLATION REQUIREMENTS. TOP FLANGE OF ALL EXIST. EXPOSED STEEL TO BE PREPARED AND PAINTED AS REQ. PRIOR TO INSTALL OF NEW SKYLIGHT. GC TO COORDINATE w/ CUSTOM SKYLIGHT MFR ON ALL ATTACHMENTS AND FLASHING DETAILS PRIOR TO INSTALL, TYP.
A3	F&I NEW CRICKET INSULATION, COORDINATE w/ ROOF DETAILS SHEET A511, TYP.
A4	GC TO TIE-IN CUSTOM SKYLIGHT CLOSURE EXTENSION INTO NEW ROOFING SYSTEM. GC TO COORDINATE w/ ROOF DETAILS SHEET A511 AND SKYLIGHT MFR DETAILS, TYP.
A5	F&I NEW CURB SKYLIGHT WINDOW, COORDINATE w/ SKYLIGHT MFR, TYP. RE: 11/A510
A6	F&I NEW METAL COPING / FASCIA, COORDINATE w/ ENLARGED DETAIL 8/A510. PROVIDE NEW MATCHING PT 2X BLOCKING ON EXIST BLOCKING. NEW TOP OF PARAPET TO MATCH OR EXISTING TOP OF INSULATION TO TOP OF PARAPET HEIGHT, TYP.
A7	EXISTING MECHANICAL LOUVERED INTAKE TO BE ABANDONED, F&I NEW INFILL BLOCKING / FRAMING AS REQUIRED FOR FLUSH INSTALL OF NEW VERTICAL ROOFING, COORDINATE w/ DETAIL 12/A510, TYP.
A8	F&I NEW FLASHING BOOT AND SHEET METAL FLASHING FOR PLUMBING AND MECHANICAL PENETRATIONS PER MANUFACTURERS INSTRUCTIONS. RE: 13/A510
A9	REINSTALL EXISTING EXHAUST FAN ON EXISTING CURB w/ NEW ROOF FLASHING, COORDINATE w/ DETAIL 5/A511
A10	REINSTALL COMMUNICATIONS / ELECTRICAL EQUIPMENT TO EXISTING CONDITION. GC TO COORDINATE w/ SERVICE PROVIDER FOR RECONNECTION AND ACCURATE POSITIONING, TYP.
A11	F&I NEW WEATHER-TIGHT ELEC. GFCI RECEPTACLE BOX, TO MATCH EXISTING RATING. EXTEND EXISTING BOX TO NEW ROOF FACE, PROVIDE BLOCKING AS REQ., TYP.
A12	F&I NEW ROOF DRAIN, PROVIDE NEW METAL AND MEMBRANE FLASHING, TYP. RE: 1/A510
A13	PROVIDE NEW ROOF WALK-OFF TILES, COORDINATE w/ ROOFING MFR, TYP.
A14	REINSTALL EXISTING MECHANICAL UNIT. PROVIDE NEW CURB BLOCKING OR NEW SLEEPERS, FIELD VERIFY CONDITIONS, AND METAL & MEMBRANE FLASHING, TYP. RE: 10/A510
A15	PROVIDE NEW METAL DOOR SIZED TO MATCH EXISTING WIDTH IN EXISTING FRAME. HEIGHT TO BE VIF FOR NEW SILL HEIGHT TO BE 8" ABOVE NEW ROOF. PROVIDE 16 GA HM DOOR FULLY WELDED FRAME, PROVIDE PAINT FOR DOOR AND EXIST FRAME. REINSTALL CYLINDRICAL HARDWARE FROM EXIST DOOR TO NEW DOOR SLAB.
A16	F&I NEW INFILL INSULATION AND RECOVERY BOARD ALL SIDES OF EXISTING CORRUGATED METAL MECHANICAL PENT HOUSE, COORDINATE w/ ROOF DETAILS SHEET A510, TYP.
A17	REINSTALL SURVEILLANCE CAMERA EQUIPMENT AT EXISTING LOCATIONS, PROVIDE BLOCKING A REQ. TO REINSTALL.
A18	ANCHOR CONDUIT/PIPE TO ROOF. RE: 9/A510
A19	REPLACE PITCH POCKET PER DETAIL 14/A510.
A20	REPLACE EXIST. SLEEPERS w/ CURB PER DETAIL 10/A510

NOTE: ALL DIMENSIONS TO BE FIELD VERIFIED PRIOR TO PURCHASING, TYP.

LEGEND:

SLOPE DN.	DIRECTION OF ROOF SLOPE
	MECHANICAL ROOF TOP UNITS
	ROOF ELEVATION CHANGE
PV	NEW FLASHING BOOT AT EXIST. ROOF PENETRATION / PLUMBING VENT
	ROOF TOP EXHAUST / INTAKE
	CONDENSER / MECHANICAL UNIT
RD	NEW ROOF DRAIN
	REINSTALLED SURVEILLANCE CAMERA
	NEW ELECTRICAL RECEPTACLE
	REINSTALLED COMMUNICATIONS / SATELLITE EQUIPMENT
	NEW 30"x30" ROOF WALK PAD
	EXHAUST FAN/ CAPPED CURVE. RE 7/A510

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Checked by JCI

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STATE OF RHODE ISLAND

DEPARTMENT OF ADMINISTRATION

DIVISION OF CAPITAL ASSET MANAGEMENT AND MAINTENANCE

DMV ROOF & SKYLIGHT REPLACEMENT

600 New London Ave, Cranston RI 02920

Drawing Status

FOR CONSTRUCTION

Issued On 6/12/2020

Sheet Contents

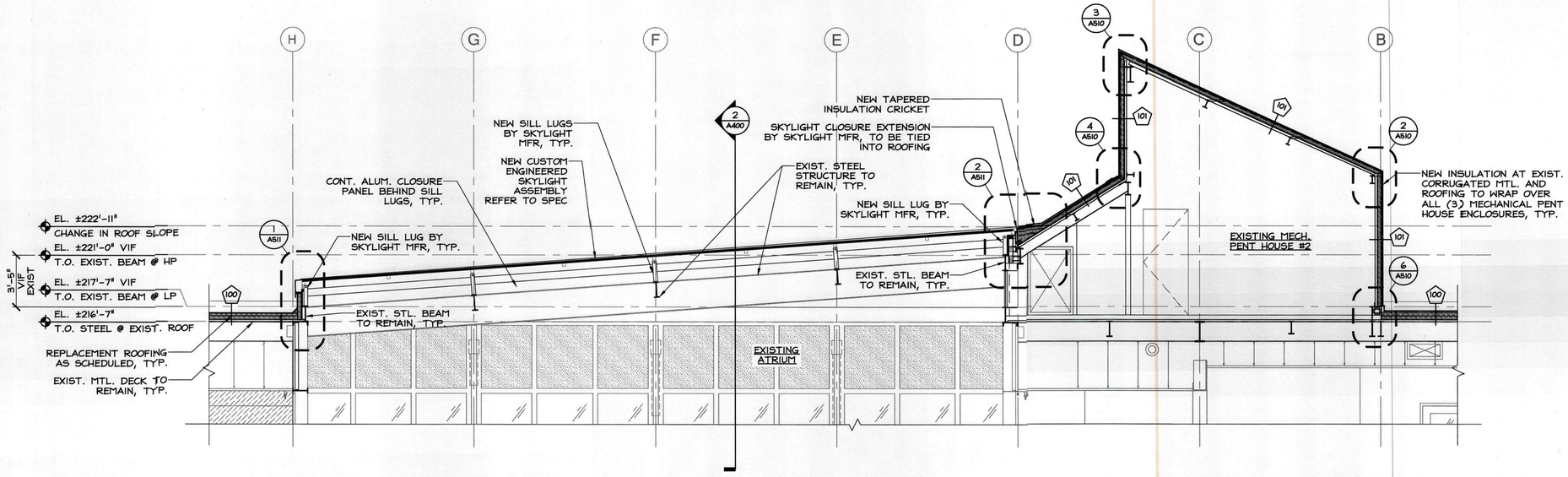
ROOF PLAN & ROOF TYPES

Project Number. 6550

Drawing No.

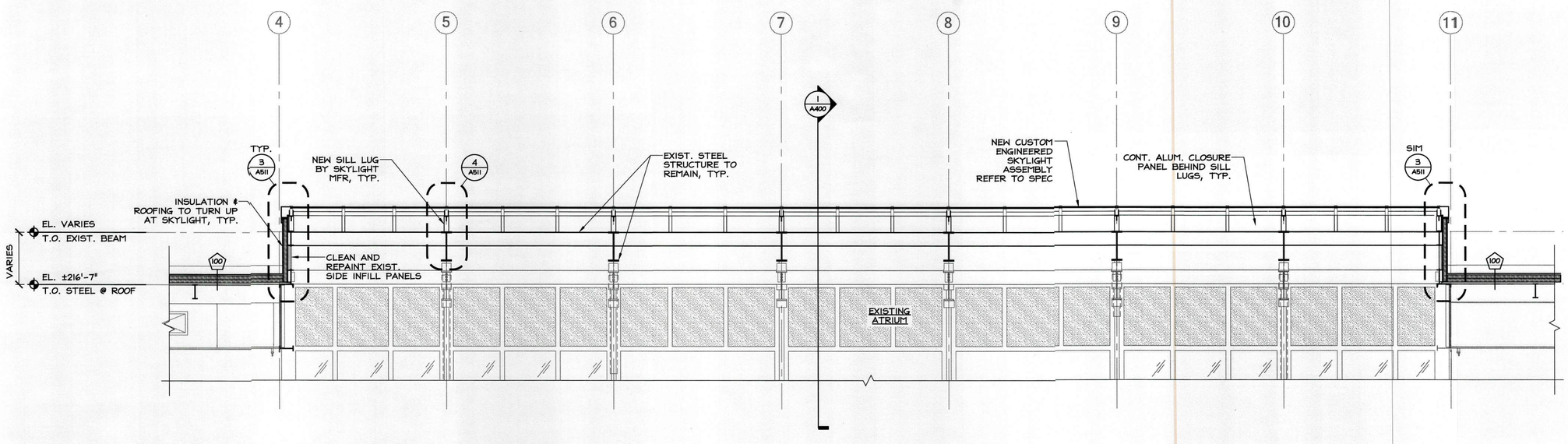
A100

Sheet of



1 A400 SKYLIGHT LONGITUDINAL SECTION

Scale:1/4" = 1'-0"



2 A400 SKYLIGHT LATITUDINAL SECTION

Scale:1/4" = 1'-0"

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DAVID L. CARRARO No. 2182 REGISTERED ARCHITECT

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DMV ROOF & SKYLIGHT REPLACEMENT

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Drawing Status

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Sheet Contents

SKYLIGHT SECTION

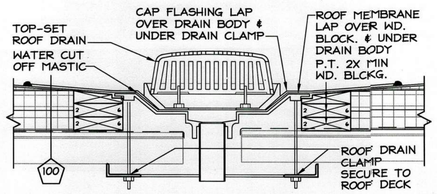
Project Number. 6550

Drawing No.

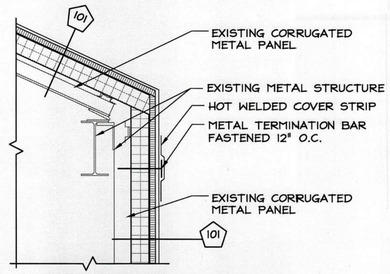
A400

Sheet of

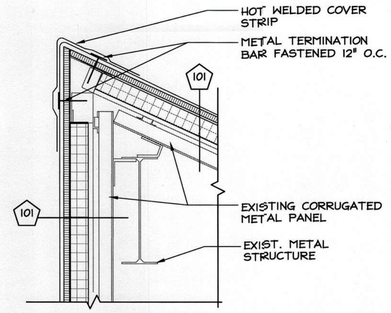
INSTALL ROOF MEMBRANE INTO DRAIN ASSEMBLY PER MEMBRANE MFR'S INSTRUCTIONS.
BASIS OF DESIGN: ZURN Z121, OR EQUAL, SIZED TO MATCH EXISTING AND TO BE TIED INTO EXISTING ROOF DRAIN PIPING



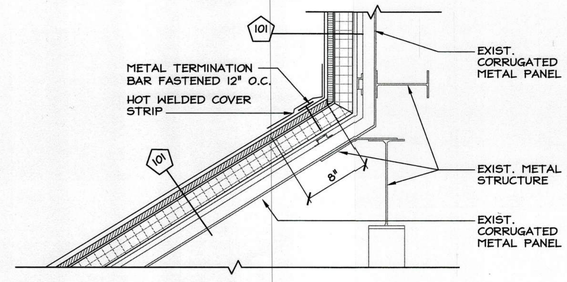
1 ROOF DRAIN
A510 Scale: 1 1/2" = 1'-0" (SECTION DETAIL)



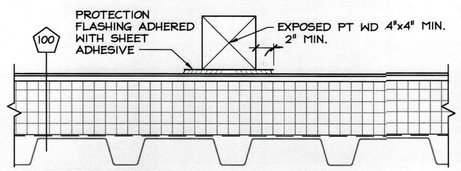
2 WALL ROOF TERMINATION
A510 Scale: 1 1/2" = 1'-0" (SECTION DETAIL)



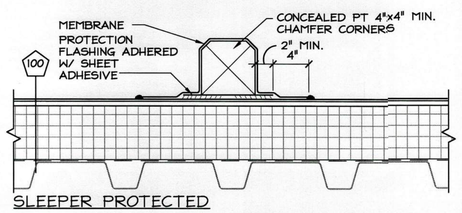
3 PEAK RIDGE TERMINATION
A510 Scale: 1 1/2" = 1'-0" (SECTION DETAIL)



4 SLOPE TRANSITION
A510 Scale: 1 1/2" = 1'-0" (SECTION DETAIL)

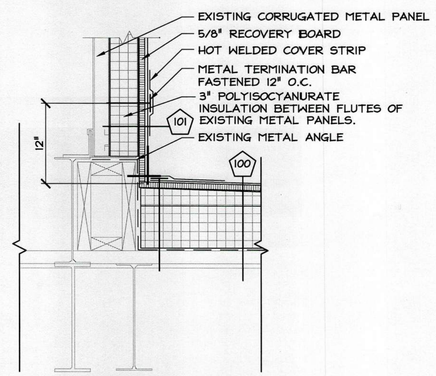


SLEEPER LOOSE

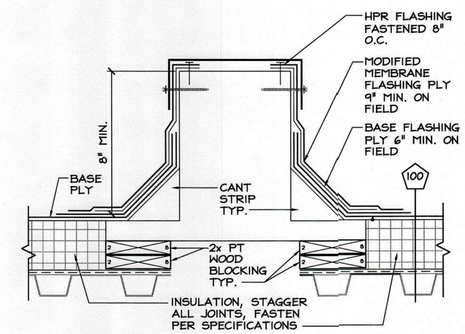


SLEEPER PROTECTED

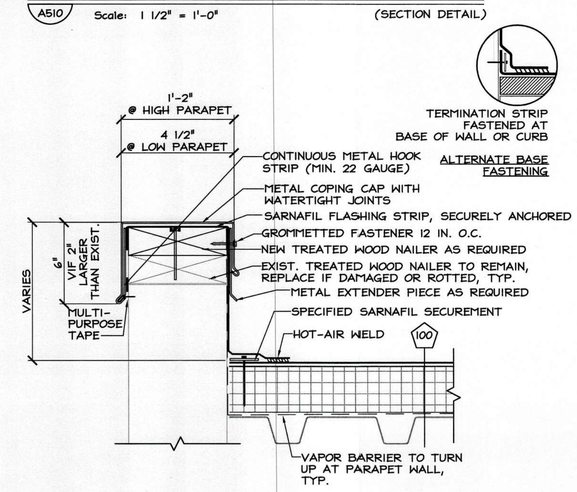
5 SLEEPER
A510 Scale: 1 1/2" = 1'-0" (SECTION DETAIL)



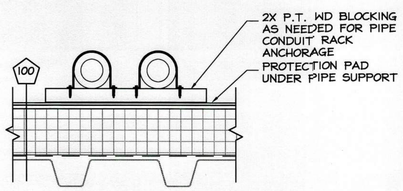
6 WALL TERMINATION AT BASE
A510 Scale: 1 1/2" = 1'-0" (SECTION DETAIL)



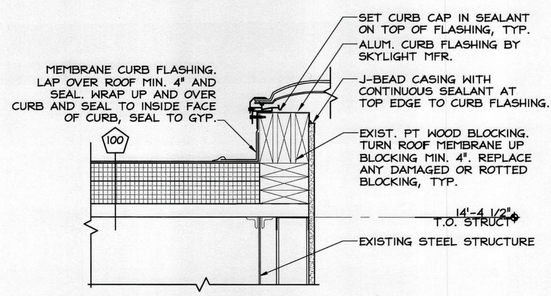
7 EXHAUST FAN COVERS
A510 Scale: 1 1/2" = 1'-0" (SECTION DETAIL)



8 PARAPET METAL COPING
A510 Scale: 1 1/2" = 1'-0" (SECTION DETAIL)

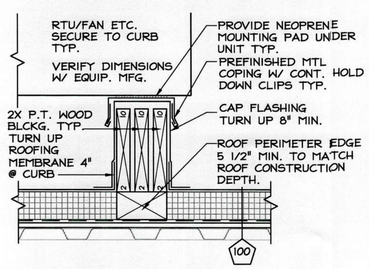


9 CONDUIT/PIPE ANCHORING
A510 Scale: 1 1/2" = 1'-0" (SECTION DETAIL)

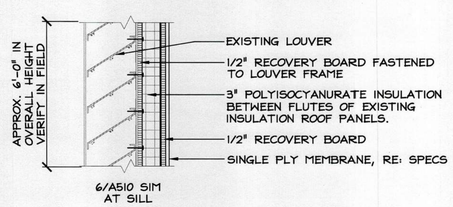


11 SKYLIGHT CURB & SOFFIT
A510 Scale: 1 1/2" = 1'-0" (SECTION DETAIL)

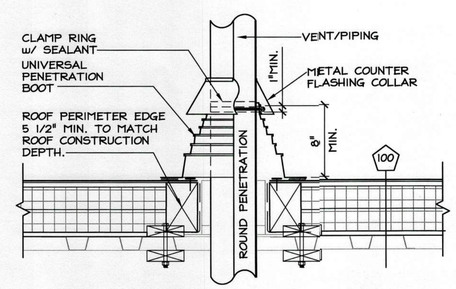
1. REMOVE ALL EXIST. FLASHING, LEAD, ETC. PIPE SURFACE MUST BE FREE OF ALL RUST, GREASE, INSULATION, ETC.
2. PIPE MUST BE ANCHORED TO ENSURE STABILITY.
3. PRE-MOULDED PIPE FLASHING MAY BE CUT TO HEIGHT, BUT NO LOWER THAN REINFORCING RING (NO WRINKLES OR FOLDS UNDER CLAMPING RING).
4. APPLY LAP SEALANT BETWEEN PENETRATION & PRE-MOLDED PIPE FLASHING PRIOR TO INSTALLATION OF CLAMPING RING.
5. DO NOT USE WHEN SERVICE LINE TEMP. EXCEEDS 180°F. REFER DET: 10/A501H



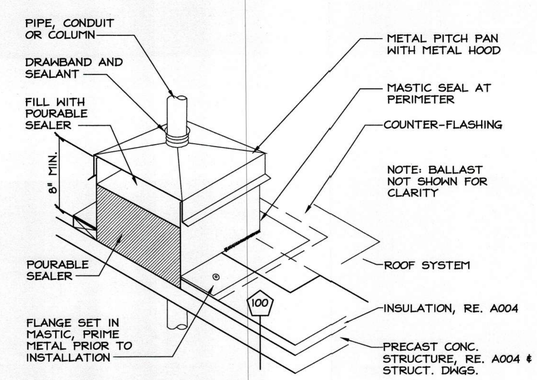
10 WOOD CURB
A510 Scale: 1 1/2" = 1'-0" (SECTION DETAIL)



12 LOUVER INFILL
A510 Scale: 1 1/2" = 1'-0" (SECTION DETAIL)



13 FLASHING BOOT
A510 Scale: 1 1/2" = 1'-0" VENT/ PIPE



14 PITCH POCKET
A510 Scale: 1 1/2" = 1'-0" CONDUITS (AXON DETAIL)

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Certification

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Checked by JCI
Revised on

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Project
STATE OF RHODE ISLAND
DEPARTMENT OF ADMINISTRATION
DIVISION OF CAPITAL ASSET MANAGEMENT AND MAINTENANCE

DMV ROOF & SKYLIGHT REPLACEMENT

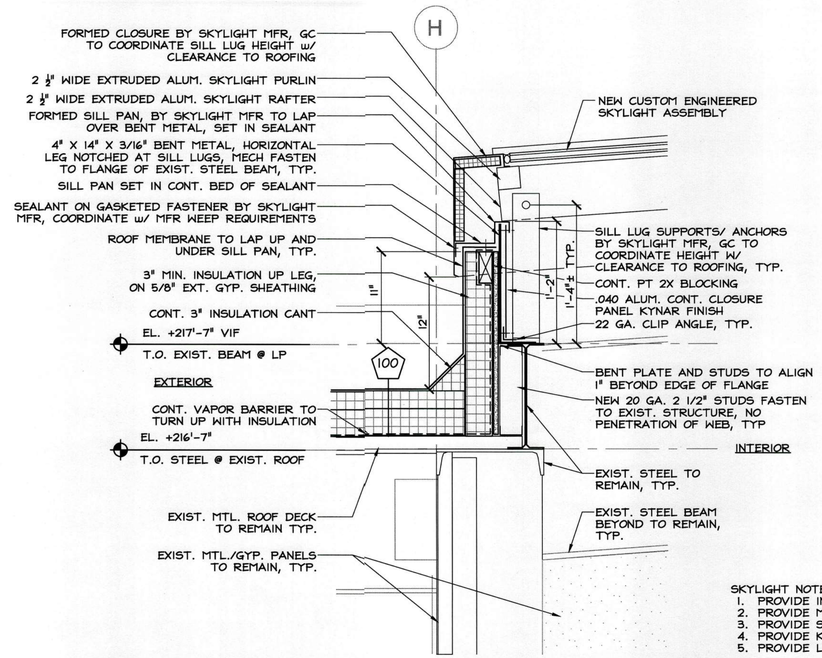
600 New London Ave, Cranston RI 02920

Drawing Status
FOR CONSTRUCTION

Issued On 6/12/2020

Sheet Contents
ROOF DETAILS

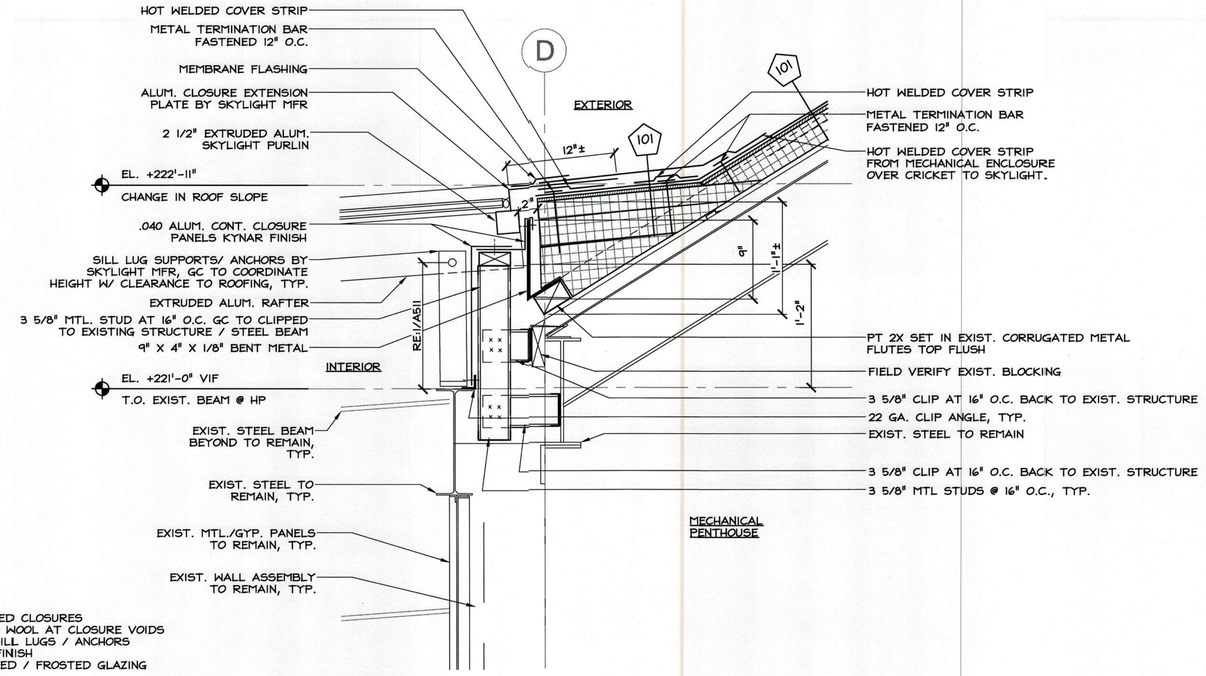
Project Number. 6550
Drawing No.
A510
Sheet of



1 A511 SKYLIGHT LOW POINT

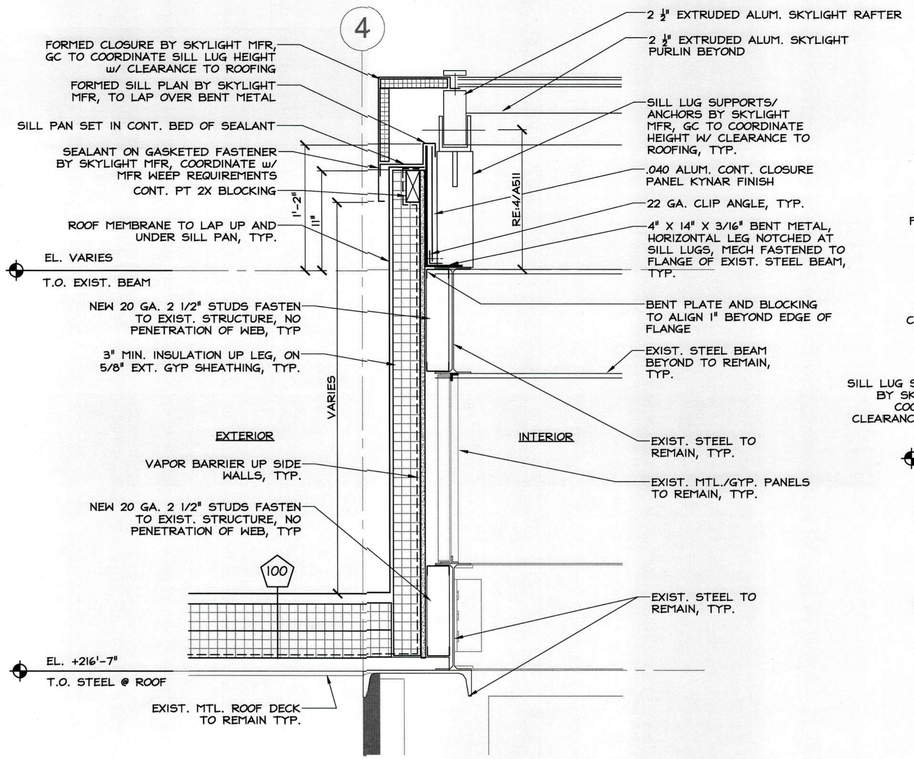
Scale: 1 1/2" = 1'-0" (SECTION DETAIL)

SKYLIGHT NOTES:
1. PROVIDE INSULATED CLOSURES
2. PROVIDE MINERAL WOOL AT CLOSURE VOIDS
3. PROVIDE STEEL SILL LUGS / ANCHORS
4. PROVIDE KYNAR FINISH
5. PROVIDE LAMINATED / FROSTED GLAZING



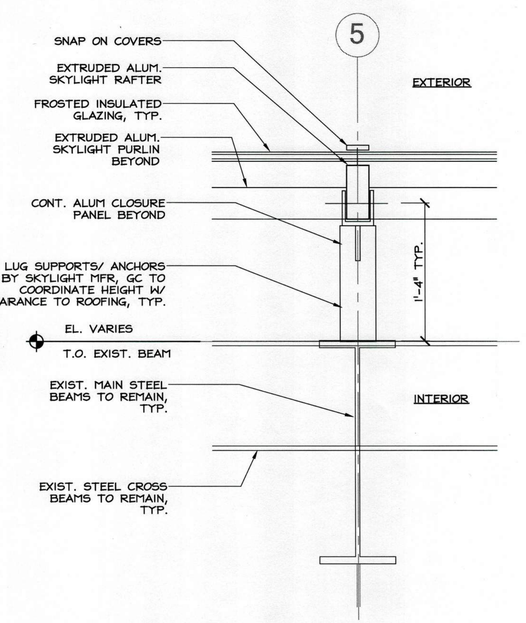
2 A511 SKYLIGHT HIGH POINT

Scale: 1 1/2" = 1'-0" (SECTION DETAIL)



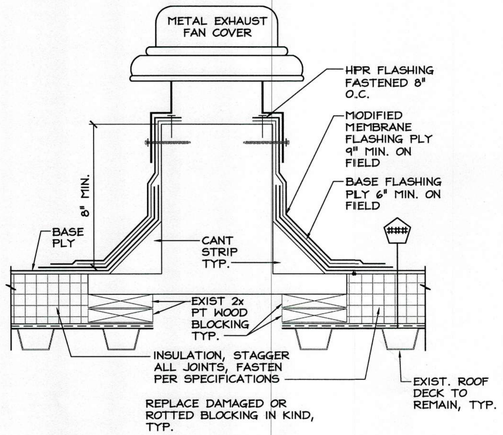
3 A511 SKYLIGHT SIDE SECTION

Scale: 1 1/2" = 1'-0" (SECTION DETAIL)



4 A511 SKYLIGHT INTERMEDIATE SILL LUG

Scale: 1 1/2" = 1'-0" (SECTION DETAIL)



5 A511 EXHAUST FAN

Scale: 1 1/2" = 1'-0" (SECTION DETAIL)

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Sheet Contents

ROOF DETAILS

Project Number. 6550

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A GENERAL

A1 STRUCTURAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE RHODE ISLAND STATE BUILDING CODE SBC-1-2019, 12TH EDITION AND THE INTERNATIONAL BUILDING CODE, 2015.

A2 VERIFY AND COORDINATE ALL NEW AND EXISTING DIMENSIONS RELATED TO THIS PROJECT.

A3 TYPICAL DETAILS AND NOTES SHOWN ON STRUCTURAL DRAWINGS SHALL BE APPLICABLE TO ALL PARTS OF THE STRUCTURAL WORK EXCEPT WHERE SPECIFICALLY REQUIRED OTHERWISE BY CONTRACT DOCUMENTS.

A4 DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO THOSE SHOWN FOR THE MOST NEARLY SIMILAR CONDITION AS DETERMINED BY THE ARCHITECT.

A5 EXAMINE ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR VERIFICATION OF LOCATION AND DIMENSIONS OF CHASES, INSERTS, OPENINGS, SLEEVES, WASHES, DRIPS, REVEALS, DEPRESSIONS, AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON STRUCTURAL DRAWINGS.

A6 OPENINGS IN SLABS AND WALLS LESS THAN 12" MAXIMUM DIMENSION ARE GENERALLY NOT SHOWN ON STRUCTURAL DRAWINGS. OPENINGS SHOWN ON STRUCTURAL DRAWINGS SHALL NOT BE REVISED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT.

A7 THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR ALL PARTS OF THE WORK, INCLUDING DESCRIPTION OF DEMOLITION, AND CONSTRUCTION METHODS AND SEQUENCING WHERE APPLICABLE. NO PERFORMANCE OF THE WORK INCLUDING, BUT NOT LIMITED TO, DEMOLITION OF EXISTING STRUCTURE, OR FABRICATION OR ERECTION OF NEW STRUCTURAL ELEMENTS, SHALL COMMENCE WITHOUT REVIEW OF THE SHOP DRAWINGS BY THE ARCHITECT.

A8 IF IN THE COURSE OF EXECUTION OF THE STRUCTURAL WORK, ANY PORTION OF THE COMPLETED STRUCTURE DOES NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AS DETERMINED BY THE ARCHITECT, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF REMEDIAL ACTION TO ENSURE THAT THE COMPLETED WORK IS IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. A DESCRIPTION OF THE NON-CONFORMING WORK SHALL BE SUBMITTED ALONG WITH THE PROPOSED REMEDIAL ACTION TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION.

A9 UNLESS OTHERWISE SPECIFICALLY STATED IN WRITING, MARK-UPS ON REVIEWED OR APPROVED SHOP DRAWINGS OR SIMILAR SUBMISSIONS ARE TO COMMUNICATE AND CONFIRM THE INTENT OF CONTRACT DOCUMENTS AND SHALL NOT BE CONSTRUED AS AUTHORIZING OR REQUESTING A CHANGE TO ANY CONTRACT PRICE. IF A FABRICATOR OR CONTRACTOR BELIEVES THAT A CHANGE TO ANY CONTRACT PRICE SHOULD BE MADE, A WRITTEN REQUEST SHALL BE SUBMITTED FOR A RECOMMENDATION BY THE ARCHITECT AND ACTION BY THE OWNER ALONG WITH A COST PROPOSAL FOR ANY PROPOSED CHANGE PRIOR TO FABRICATION OR INSTALLATION OF ANY ITEM FOR WHICH A CHANGE IN CONTRACT PRICE IS REQUESTED. ANY CLAIM FOR ADDITIONAL COMPENSATION FOR AN ITEM FABRICATED OR INSTALLED WITHOUT PRIOR WRITTEN APPROVAL OF A CHANGE IN CONTRACT PRICE FOR SUCH FABRICATION AND/OR INSTALLATION WILL NOT BE ALLOWED.

A10 INFORMATION REGARDING EXISTING CONSTRUCTION IS BASED UPON AVAILABLE CONSTRUCTION DOCUMENTS PREPARED BY THE ARCHITECT, WHICH MAY OR MAY NOT REFLECT ALL AS BUILT CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES DISCOVERED DURING THE COURSE OF CONSTRUCTION BEFORE PROCEEDING WITH WORK IN THE AREA.

B RENOVATION AND RESTORATION

B1 WORK SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE STATED ABOVE.

B2 THE CONTRACTOR SHALL NOTIFY THE ARCHITECT WHEN, IN THE COURSE OF CONSTRUCTION OR DEMOLITION, CONDITIONS ARE UNCOVERED WHICH ARE UNANTICIPATED OR OTHERWISE APPEAR TO PRESENT A DANGEROUS CONDITION.

B3 INFORMATION REGARDING EXISTING CONSTRUCTION OR CONDITIONS IS BASED ON AVAILABLE RECORD DRAWINGS WHICH MAY OR MAY NOT TRULY REFLECT EXISTING CONDITIONS. SUCH INFORMATION IS INCLUDED ON THE ASSUMPTION THAT IT MAY BE OF INTEREST TO THE CONTRACTOR, BUT THE ARCHITECT ASSUMES NO REPONSIBILITY FOR ITS ACCURACY OR COMPLETENESS.

B4 VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB. DISCREPANCIES SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THAT PART OF THE WORK.

B5 PROVIDE ALL LABOR AND MATERIAL FOR ANY FRAMING REQUIRED TO CONNECT NEW FRAMING TO EXISTING CONSTRUCTION. WHEREVER IT IS NECESSARY TO REMOVE EXISTING CONSTRUCTION IN ORDER TO CONSTRUCT NEW WORK, THE AFFECTED AREA SHALL BE PATCHED AND REBUILT TO MATCH EXISTING ADJACENT WORK TO SATISFACTION OF THE ARCHITECT.

B6 NOTIFY ARCHITECT OF ANY CONTEMPLATED STRUCTURAL ALTERATION IN REASONABLE TIME TO RENDER AND DOCUMENT THE ARCHITECT'S DECISION.

C STRUCTURAL STEEL

C1 STRUCTURAL STEEL WORK SHALL CONFORM TO "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" (AISC 360-05); "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS & BRIDGES" (AISC 303-05); "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS, INCLUDING SUPPLEMENT NO.1 DATED 2006" (AISC 341-05); AND "STRUCTURAL WELDING CODE - STEEL" (AWS D1.1-04).

C2 STRUCTURAL STEEL SHALL BE NEW STEEL CONFORMING TO THE FOLLOWING:

(A)	UNLESS NOTED OTHERWISE	ASTM A992 OR A588 GRADE 50 (Fy = 50 KSI)
(B)	ANGLES, CHANNELS, PLATES, BASE PLATES, AND BARS	ASTM A36 (Fy = 36 KSI), UNO

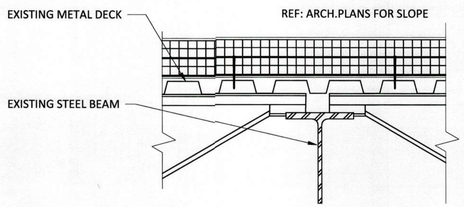
C3 WELDED CONNECTIONS SHALL BE MADE BY APPROVED CERTIFIED WELDERS USING FILLER METAL CONFORMING TO E70XX OR F7X-EXXX WITH LOW HYDROGEN.

C4 WELDS SHALL DEVELOP THE FULL STRENGTH OF THE MATERIALS BEING WELDED, UNLESS NOTED OTHERWISE, EXCEPT THAT FILLET WELDS SHALL BE A MINIMUM OF 1/4".

D STRUCTURAL DESIGN LOADS

D1	DEAD LOADS		
	(A)	WEIGHT OF BUILDING COMPONENTS	AS REQUIRED
	(B)	ROOFING ALLOWANCE	2.5 PSF
	(C)	HUNG ALLOWANCE	10 PSF
D2	SNOW LOADS		
	(A)	RISK CATEGORY	II
	(B)	GROUND SNOW LOAD	30 PSF
	(C)	IMPORTANCE FACTOR (Is)	1.0
	(D)	EXPOSURE FACTOR (Ce)	.9
	(E)	THERMAL FACTOR (Ct)	1.0
	(E)	ROOF SNOW LOAD	30 PSF + DRIFT
D3	WIND LOADS		
	(A)	ULTIMATE DESIGN WIND SPEED	134 MPH
	(B)	EXPOSURE CATEGORY	C
	(C)	VELOCITY PRESSURE COEFFICIENT (Kh) ROOF	1.04
	(D)	DIRECTIONALITY FACTOR (Kd)	.85
	(E)	TOPOGRAPHIC FACTOR (Kzt)	1.0
	(F)	MAIN WIND FORCE RESISTING SYSTEM	Existing
	(G)	COMPONENT CLADDING	SEE DETAIL 1 / S100

NOTES:
1. VERIFY ALL EXISTING CONDITIONS IN FIELD.
2. COORDINATE WITH ARCHT FOR INSULATION REQUIREMENTS



1 TYPICAL ROOF ASSEMBELY
1 1/2" = 1'-0"

BUILDING FLAT ROOF & WALL					
NET PRESSURES (psf)	ZONE*				
	1	2	3	4	5
pn-	-60.6	-95.2	-129.7	-41.4	-76.0
pn+	N/A	N/A	N/A	41.4	41.4

*"a"= 15'-3"

NOTE:
SEE TABLE ABOVE FOR WIND LOAD PRESSURES FOR CORRESPONDING ZONE.

SEE TABLE 30.7-2 OF ASCE7-10 FOR ZONE DEFINITION.

ZONE 1

ZONE 2

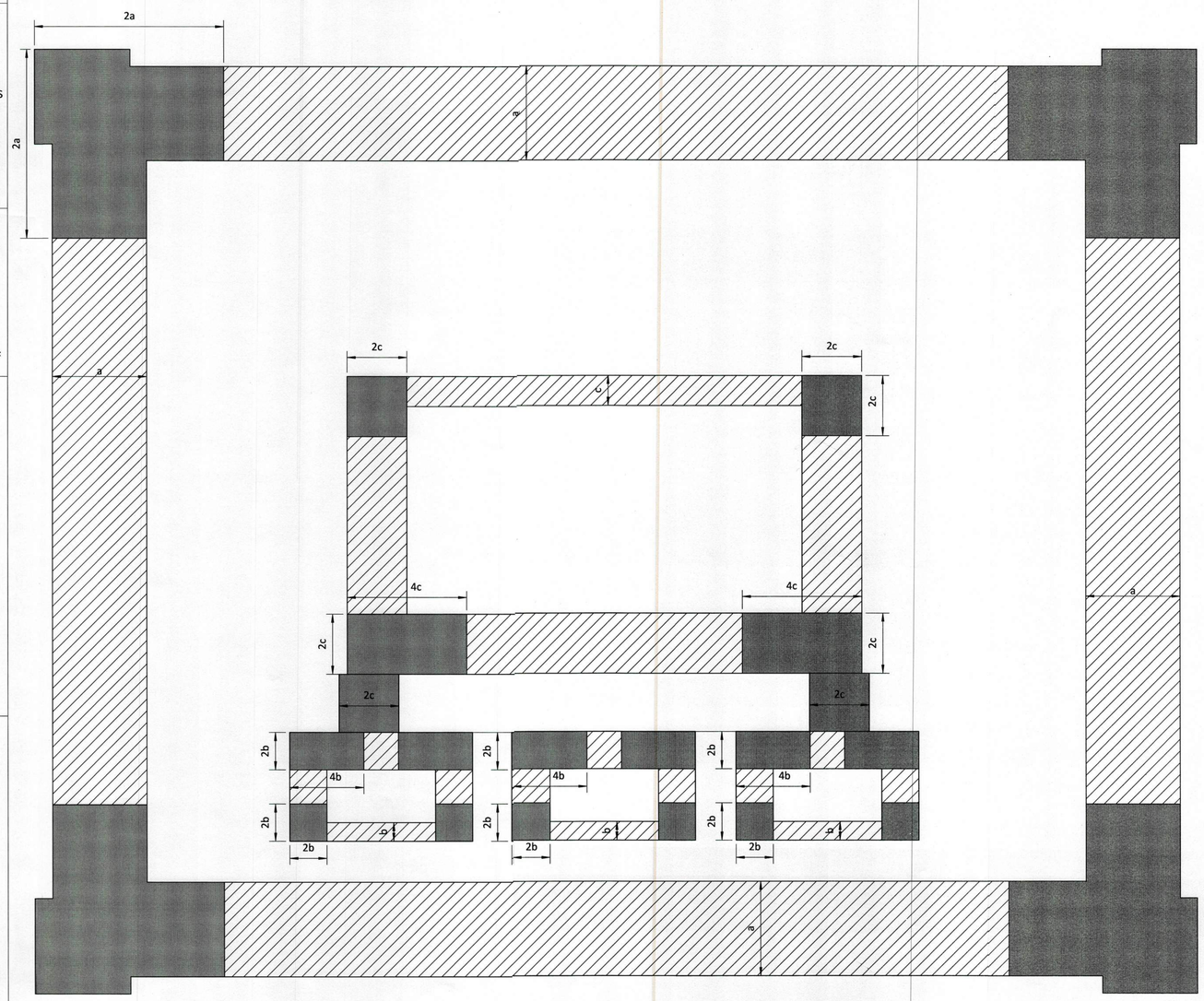
ZONE 3

BUILDING MONOSLOPE ROOF & WALL					
NET PRESSURES (psf)	ZONE*				
	1	2	3	4	5
pn-	-41.3	-53.3	-92.2	-38.3	-59.3
pn+	17.4	17.4	17.4	35.3	35.3

*"b"= 3'-0"

BUILDING SKYLIGHT			
NET PRESSURES (psf)	ZONE*		
	1	2	3
pn-	-39.7	-51.3	-88.7
pn+	16.7	16.7	16.7

*"c"= 4'-10"



2 WIND LOAD DIAGRAM
N.T.S.

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BALRAM CHAMARIA
No. 11840
REGISTERED PROFESSIONAL ENGINEER CIVIL / STRUCTURAL

Drawn by AK
Checked by BSC

Revised on
(ADD/PR/RFI/ETC) (DATE)
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Sheet Contents

GENERAL NOTES, WIND LOAD DIAGRAM & STRUCTURAL DETAILS

Project Number. 6550

Drawing No.

S100