AAB-319

NOTE: FOR SPECIFICATION OF WATER-PROOFING OF INCLINED COLUMNS AT CROWN SEE SHEET № 2 OF BULLETIN A-364 / B-254

COL. REFERENCE LINE
TOP OF CONC. COL. F.P.
CONC. CURB (FOR DETAILS OF EXP. JT. SEE DWG. A-AB-324)
TOP OF SLAB - EL. +1668'-10" AT TOWER A, EL. +1668'-10" AT TOWER B
ALUM. ROOF PANELS
ALUM. LOUVERS WITH BIRDSCREEN, OR 2" INSUL. ALUM. PANELS. SEE PLAN FOR LOCATION (PROVIDE SOLID INSUL. ALUM. PANELS IN TOWER B. PANELS TO BE REMOVABLE FOR FUTURE LOUVER INSTALLATION)
CHANNEL GIRTS (SEE STRUCT. DWGS.)
INCLINED WF COLUMNS @ 6'-8" O.C. (SEE STRUCT. DWGS.)
℄ OF WINDOW WASHER INDEX PIN
℄ OF 4"x6" STL. INDEXING TUBE BY WINDOW WASHER CONTRACTOR
ST. STL. FLASHING BY ROOFING CONTRACTOR
TREATED WD. NAILER
ALUM. FASCIA FINISH TO MATCH COL. COVER
COPPER FLASHING
ALUM. RIB WITH ST. STL. FACE
ALUM. SOFFIT PANEL FINISH TO MATCH COL. COVER
ALUM. COL. COVER
ALUM. SPANDREL PANEL
WF COLUMNS @ 6'-8" O.C.
11'-4" TO FIN. 110TH FL.
7'-2" TO SOFFIT
8'-7" TO FIN. 110TH FL.
COL. WATER-PROOFING
COL. WATER-PROOFING - SEE NOTES AT LEFT
COPPER FLASHING
CONT. TREATED WOOD NAILER
PLENUM (SEE H.V.A.C. DWGS.)
CLIP L
ROPE AND SEALANT
CONCRETE FIREPROOFING ON INCLINED COLUMN
COPPER FLASHING AND DRAW BAND AT COL. SET FLASHING IN SEALANT. WELD 3/16" ℇ AROUND CLIP L TO MAKE FLUSH SURFACE, STRIP INTO MEMBRANE W.P.
ROOF DRAIN
BOTTOM OF EXP. JT. IN CONC. (SEE STRUCT. DWGS.)
MET. REGLET WITH LEAD CAULKING
COPPER CAP & BASE FLASHING
RIGID INSULATION
CONCRETE FILL
½" EXPANSION JOINT FILLER (SEALANT OVER)
PLENUM (SEE H.V.A.C. DWGS)
CONT. TREATED WOOD NAILER
MEMBRANE W.P.
PROTECTION BOARD
RIGID INSULATION
CEMENT FILL, PITCH TO DRAIN
CONCRETE SLAB OVER H.V.A.C. OPNG.
METAL EDGE TRIM
METAL E RUNNERS AT TOP & BOTTOM
SECTION AT WINDOW WASHER AREA
½" GYPSUM WALLBOARD
METAL STUDS @ O.C.
BATT INSULATION
TOWER A EL. +1668'-10" / TOWER B EL. +1668'-10"
4'-0" / 5'-10½" TOWER B
4'-5" / 5'-10½" TOWER A
8'-10½" H.V.A.C. OPNG.

A/319 TYPICAL VERTICAL SECTION AT ROOF PARAPET

5'-7"
1'-4⅝"
1'-0"
6" ALUM. COPING OVER FABRIC FLASHING
CONT. TREATED WOOD BLOCKING
ANCHOR BOLTS, STAGGER 3'-0" O.C.
ROPE AND SEALANT
℄ OF WINDOW WASHER TRACK
8"WF31 WINDOW WASHER TRACK
PIPE SUPPORT, SEE STRUCT. DWGS.
W.P. DRAW BAND, SET FLASHING IN SEALANT
ROPE AND SEALANT
COPPER FLASHING
ROOF DRAIN
½" FOAM PIPE INSUL. AROUND PIPE SUPPORTS. SEALANT AT TOP
SCREED CONT. 1" AT H.P. 0" AT L.P.
RIGID INSULATION
PROTECTION BOARD
MEMBRANE W.P.
½" EXPANSION JOINT
RIGID INSULATION
TOP OF CONCRETE CURB EL. +1672'-11"
CONCRETE FILL
TOP OF SLAB H.P. EL. +1672'-3"
PROTECTION BOARD
MEMBRANE W.P.
CEMENT CANT
FABRIC FLASHING
CONT. TREATED WOOD NAILER
PLENUM (SEE H.V.A.C. DWGS.)
ALUM. LOUVERS WITH BIRDSCREEN
TOP OF CONC. FILL H.P. EL. +1669'-4" L.P. EL. +1669'-3"
½" EXPANSION JOINT
COPPER FLASHING
CONT. TREATED WOOD NAILER
RIGID INSULATION

B/319 TYPICAL VERTICAL SECTION AT TOWER 'A' AT INTERIOR CURB THRU LOUVERS
FOR BASE CONDITION BETWEEN LOUVERS, SEE DETAIL H/319
FOR CONDITION AT TOWER 'B', SEE DETAIL D/B356

5'-2½" TO COL. REF. LINE
1'-3½"
℄ OF WINDOW WASHER TRACK SUPPORT
NEW RAISED CONC. CURB
¾" x ½" ø STL. DOWELS, 1'-6" O.C.
PREVIOUS CURB LEVEL
ALUM. ROOF PANELS
WINDOW WASHER TRACK AND BUMPER
PIPE SUPPORT SEE STRUCT. DWGS.
DRAW BAND, SET FLASHING IN SEALANT
SEALANT COPPER FLASHING
½" EXPANSION JOINT
TOP OF SLAB
COL. WATER-PROOFING
CONT. TREATED WOOD NAILER
SCREED CONT. 1"AT H.P. 0" AT L.P.
INCLINED WF COLUMNS @ 6'-8" O.C.
4'-0" TO TOP OF FASCIA
9'-6" TO TOP OF PARAPET
1'-4" TO FIN. 110TH FL.
RIGID INSULATION
PROTECTION BOARD
MEMBRANE W.P.

C/319 PARAPET AT TURNTABLE AREA

ALUM. COPING
8'-4" x 4" x ½" L
WINDOW WASHER TRACK
OPP. HAND
W.P. DRAW BAND, SET FLASHING IN SEALANT
WINDOW WASHER TRANSFER UNIT OPENING
MET. REGLET WITH LEAD CAULKING
COPPER CAP & BASE FLASHING
PIPE SUPPORT SEE STRUCT. DWGS.
½" EXPANSION JOINT & SEALANT
½" FOAM PIPE INSUL. AROUND PIPE SUPPORTS. SEALANT AT SURFACE OF CONC. FILL
CONT. TREATED WOOD NAILER
5'-2½" TO COL. REF. LINE
RIGID INSULATION
PROTECTION BOARD
MEMBRANE W.P.
SCREED CONT. 1" AT H.P. 0" AT L.P.

D/319 SECTION AT CURB OF WINDOW WASHER OPENING

5'-2½" TO COL. REF. LINE
ALUM. ROOF PANELS
TOP OF CURB BEYOND
COL. WATERPROOFING - CARRIED ALL ROUND UPSTANDING STL. T
CONC. FILL
RIGID INSULATION
PROTECTION BOARD
MEMBRANE W.P.
COPPER FLASHING
½" EXPANSION JOINT TOP OF SLAB
CONT. TREATED WOOD NAILER
SCREED CONT. 1" AT H.P. 0" AT L.P.
COL. WATERPROOFING
4'-0" TO TOP OF FASCIA
9'-6" TO TOP OF PARAPET
11'-4" TO FIN. 110TH FL.

E/319 PARAPET AT SETBACK RETURN

ROPE & SEALANT
6" PVC WATERSTOP (EXTEND 4" BEYOND BOTTOM OF JOINT)
6" CONC. WALL

K/319 EXP. JOINT AT CONC. WALL
SCALE: 3"=1'-0"

4'-10" TO COL. REFERENCE LINE
8'
2'-10¼"
5'-7"
1'-5¾"
TURNTABLE AREA
CONC. CURB
ALUM. ROOF PANELS
LINE OF WINDOW WASHER TRACK AND BUMPER
1'-5¾"
6" (TYP.)
COL. WATER-PROOFING SEE NOTE DET. A
SEALANT OVER ½" EXP. JT. FILLER
10⅛"x3⅜" STL. TUBE TRACK SUPPORTS (SEE STRUCT. DWGS.)
CHANNEL GIRT
H.P. OF ROOF PANEL ABOVE
COL. WATER-PROOFING
6" (TYP.)
4¼"
11'-0"
6'-0"
SLOPE CURB DN.
TOP OF CURB H.P. (+1674') L.P. (+1667')
COL. WATER-PROOFING SEE NOTE DET. A
1'-8½"
8'-4"
3'-4" PANELS TYPICAL

G/319 TYPICAL PLAN SECTIONS

8'
GRAB BAR, OPP. HAND
D/319
SLOPE CURB DN.
WINDOW WASHER OPENING
TOP OF CURB H.P. (+1674') L.P. (+1667')
TOP OF CURB (+1674')
5'-9" TO ℄ COL. REF. LINE
J/319

J/319 PARAPET AT WINDOW WASHER OPENING

5'-6" ABOVE ROOF AT TRACK LEVEL
LINE OF CHAIN
5"x 8"x ½" L ABOVE CURB EACH SIDE OF ELEV. WELL
PLATE SHIM AS REQ'D. TO CLEAR ALUM.
¾" ø BOLTS
LINE OF CHAIN
F/319
7"
WINDOW WASHER TRANSFER UNIT WELL OPENING
COL. WATER PROOFING
TOP OF SLAB ELEV. AT TOWER A 1668'-10" ELEV. AT TOWER B 1662'-10"
SIM. TO D/319
5'-2" TO COL. REF. LINE

ALUM. LOUVERS WITH BIRDSCREEN
ROPE AND SEALANT
LINE OF DUCT
RIGID INSULATION
1'-3"
3" x 3" x ¼" L
5'-8" OPENING

G/319 TYP. JAMB AT INTERIOR CURB

CONC. FILL
RIGID INSULATION
PROTECTION BOARD
COPPER CAP & BASE FLASHING
MET. REGLET WITH LEAD CAULKING
1'-3"
1'-2"
8"
TOP OF SLAB EL. +1668'-10"
MEMBRANE W.P.
SCREED COAT 0" AT L.P.
CONT. TREATED WOOD NAILER

H/319 INTERIOR CURB BET. LOUVERS

REVISIONS	BY	APP'D
1 5-20-76		L.J.
2 6-15-76		L.J.
3 8-23-76		D.K.
4 9-10-76		D.K.
5 11-5-76		D.K.
6 7-6-77		D.K.
7 7-7-77		D.K.
8 7-8-77		D.K.

BULLETIN 302 USED AS IN PROCESS OF COMPLETION.

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SEVERUD ASSOCIATES, STRUCTURAL ENGINEERS
PORT AUTHORITY OF NEW YORK & NEW JERSEY, BUILDING DEVELOPMENT DEPARTMENT

TITLE: CROWN DETAILS
DRAWN: G.M. / R.J.
APPROVED:
SCALE: AS NOTED
DATE: 9-1-76
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