

CODE REVIEW:

Code: IBC 2006

Section 303: Library above Parking Garage is Group A-3
Section 311.3: Parking Garage is Group S-2 (per IBC).

Parking Garage is fully sprinklered, including stair towers.

Section 509.2: Group S-2 Open parking garage with Group A above:

509.2, note 2. Shaft, Stairway...enclosures through horizontal assembly shall have not less than a 2-hour fire resistance rating with opening protective in accordance with Table 715.4.

Section 509.7.1 Fire Separation. Means of egress for the upper occupancy (Library A-3) shall be separated from the parking occupancy by a fire barrier having at least a 2-hour fire-resistance rating as require by Section 706 with self-closing doors per Section 715.

Table 715.4 notes that for a Fire Door, the fire protection rating of 2-hours, the minimum fire door rating shall be 1½-hour (90 min).

Section 715.4.4 for doors, and 715.4.4.1 for door glazing: The requirement for temperature rise is not required at doors & glazing if the building is fully sprinklered.

Section 715.4.6 Glazing material. Fire-protection-rated glazing conforming to the opening protection requirements in Section 715.4 shall be permitted in fire door assemblies.

Section 715.4.6.1 Size limitations. Wired glass used in fire doors shall comply with Table 715.5.3 or NFPA 80.

Note: Standard wire glass not available for 90-min. rated door. Providing TGP Wirelite NT to achieve a 90 min rating on the vision light glass. Max. area in 90 min rated door, 100 sq. in.

Section 715.4.7 Door closing. Fire doors shall be self-closing in accordance with this section.

Section 715.4.7.1 Latch required. Single fire doors shall be provided with an active latch bolt that will secure the door when it is closed.

Code Notes:

- The Southwest stair tower is penetrating the floor assembly of the Library to serve as a main exit stair. The door at the top of the exit stair tower has an existing rated glazed door with wire glass at all window lite openings. Door & lites at Library level are not being changed in this project.
- The Southwest stair tower is considered a 2-hour shaft & exit passageway. 90-min doors & frames are required at a 2-hour shaft (per IBC Table 715.4).

GENERAL CONSTRUCTION NOTES:

DEMOLITION: REMOVE EXISTING METAL DOORS & HARDWARE, REMOVE GROUTED-IN- PLACE METAL DOOR FRAMES FROM CONCRETE & CONCRETE BLOCK OPENINGS. DISPOSE OF ALL MATERIALS OFF SITE.

PATCHING: PATCH EXISTING CONCRETE & CONCRETE BLOCK TO PROVIDE SMOOTH, EVEN ROUGH OPENING FOR NEW DOORS. PATCH WITH FAST SET, HIGH STRENGTH CEMENT MORTAR FOR USE IN PATCHING THICKNESS REQUIRED. FORM OR TOOL EDGES OF DOOR OPENINGS SMOOTH WITH EASED CORNER EDGES, NOT SHARP. COORDINATE NEW ROUGH OPENING WITH NEW DOORS & FRAMES TO BE INSTALLED, ALLOWING FOR 1/4"± AT PERIMETER.

INSTALL DOORS: INSTALL DOOR & FRAMES PER MANUFACTURER'S INSTRUCTIONS AND PER SPECIFICATIONS IN CONTRACT DOCUMENTS.

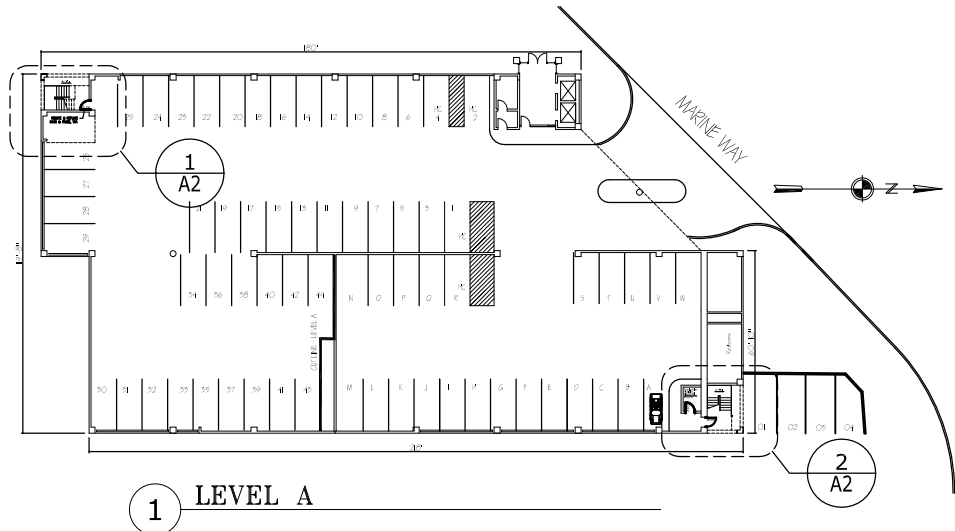
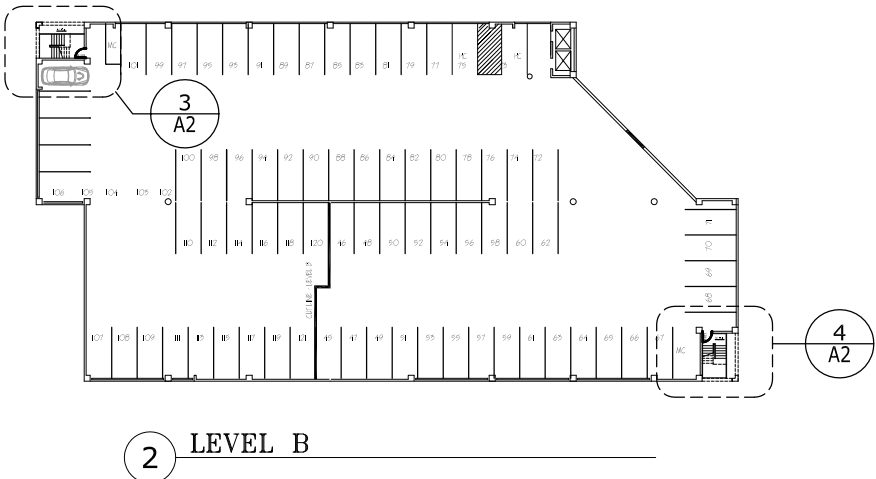
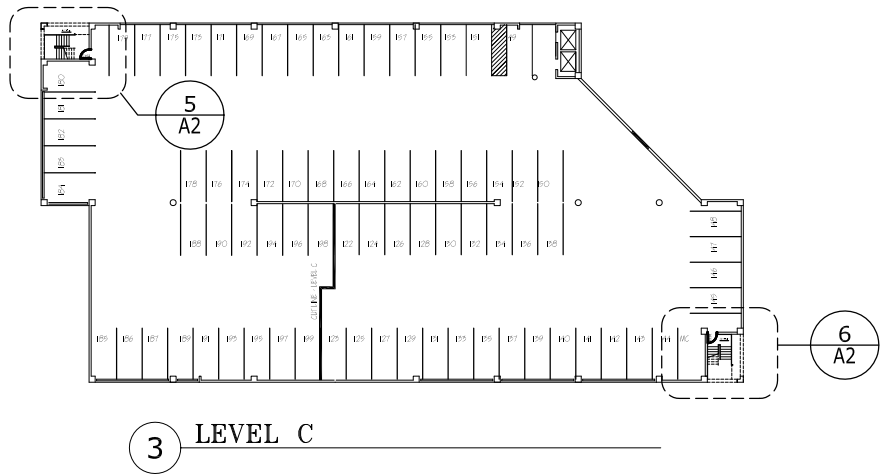
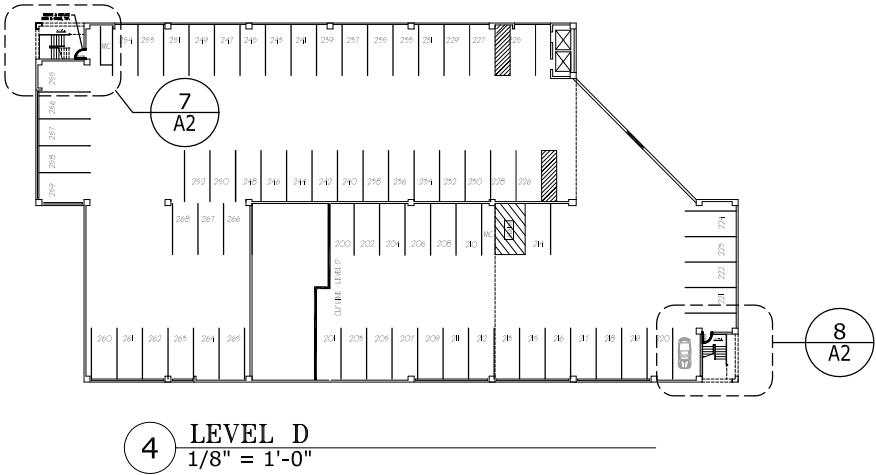
SEALANT AT DOOR PERIMETER: PROVIDE SILICONE SEALANT WITH SOLID BACKING OR FOAM BACKER ROD AT PERIMETER OF DOOR JAMBS, 1/4" TO 3/8".

- PROVIDE: GE SCS-9000 SILPRUF NB OR APPROVED EQUAL.
- COLOR TO BE DETERMINED BY ARCHITECT.

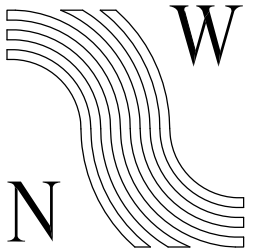
DOOR SCHEDULE:

REPLACEMENT DOOR SCHEDULE						
Door	LOCATION	SWING	HARDWARE	LITE	Door & Frame Rating	DOOR SIZE (in.)
A101	NE Stair, A-level	*	HW-1	4 x 25	90 min	36 x 85**
A102	SW Stair, A-Level	*	HW-1	4 x 25	90 min	36 x 85**
A103	Sprinkler Control Room	*	HW-2	No Lite	N / A	36 x 85**
B101	NE Stair, B-level	*	HW-1	4 x 25	90 min	36 x 85**
B102	SW Stair, B-level	*	HW-1	4 x 25	90 min	36 x 85**
C101	NE Stair, C-level	*	HW-1	4 x 25	90 min	36 x 85**
C102	SW Stair, C-level	*	HW-1	4 x 25	90 min	36 x 85**
D101	NE Stair, D-level	*	HW-1	4 x 25	90 min	36 x 85**
D102	SW Stair, D-level	*	HW-1	4 x 25	90 min	36 x 85**
		* per plans				

** ADJUST HEIGHT OF DOORS & FRAMES TO EXISTING ROUGH OPENING, CONTROL HEIGHT TO ALLOW FOR MINIMAL GAP AT TOP OF FRAME, SEE DETAILS SHEET A2.



03/26/2014



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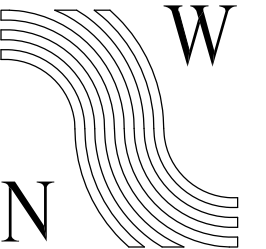
126 Seward Street
Juneau, AK 99801
907.586.6150

CONSTRUCTION DOCUMENTS
MARINE PARKING GARAGE
Exterior Door Replacement
City & Borough of Juneau - CBJ Contract E14-231
JUNEAU, ALASKA

SHEET TITLE:
LEVEL: A,B,C,D
OVERALL
PLANS
DATE: MARCH 2014
CHECKED BY: GRG
DRAWN: GRG

SHEET #

A1



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126 Seward Street
Juneau, AK 99801
907.586.6150

CONSTRUCTION DOCUMENTS

MARINE PARKING GARAGE

Exterior Door Replacement

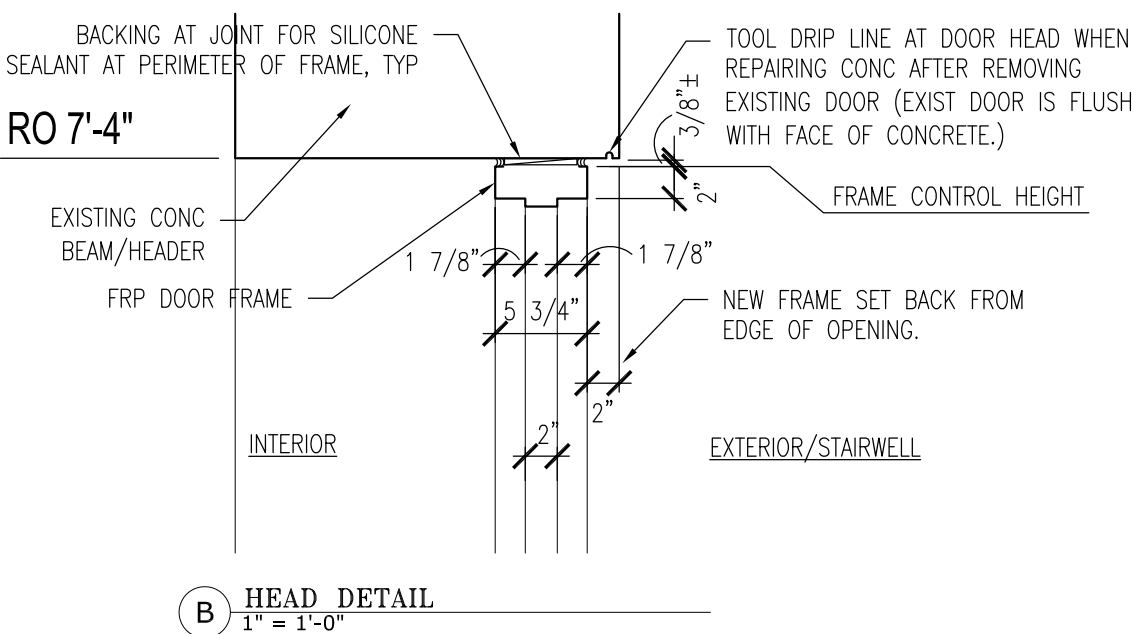
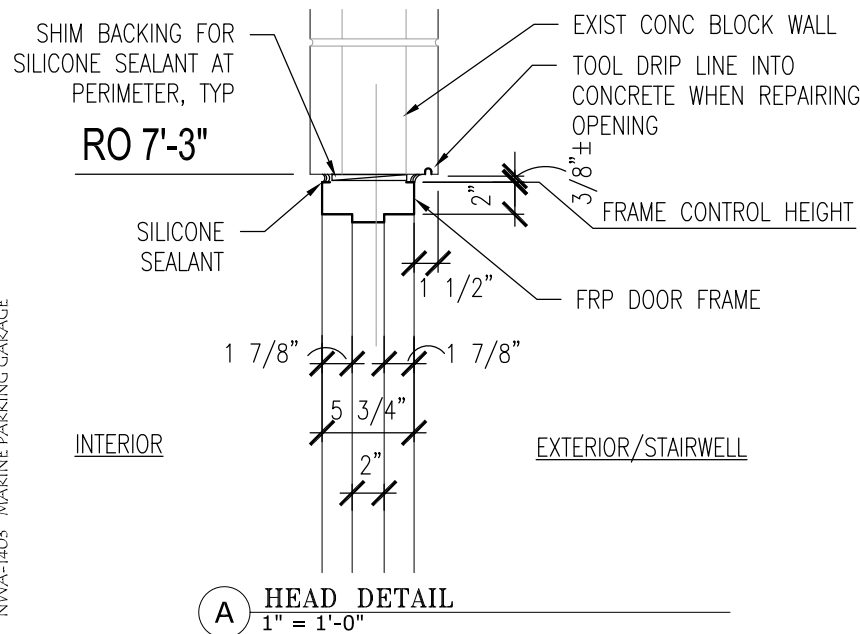
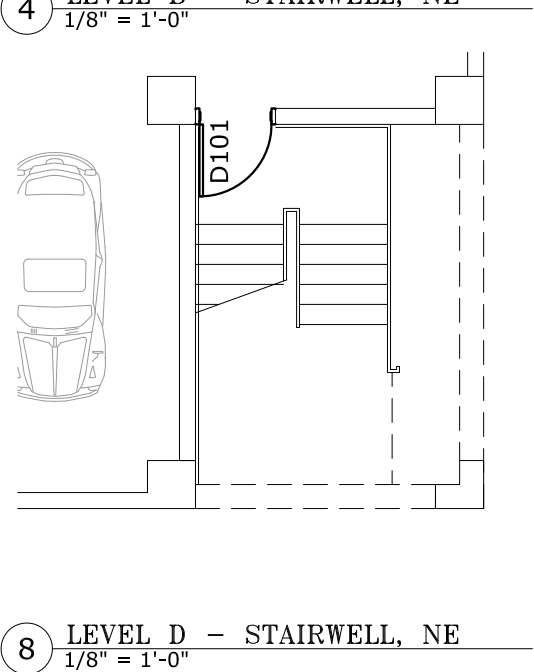
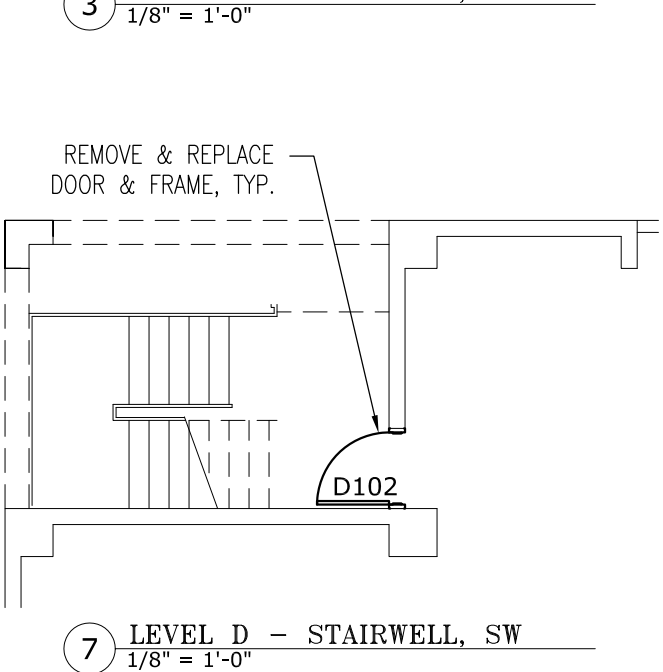
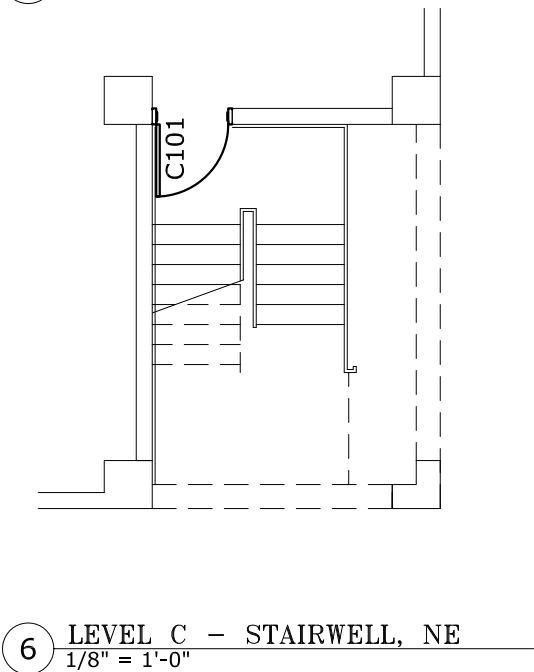
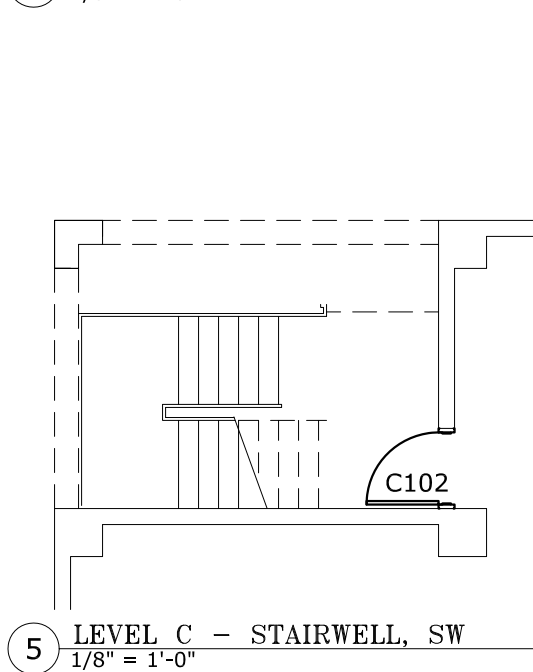
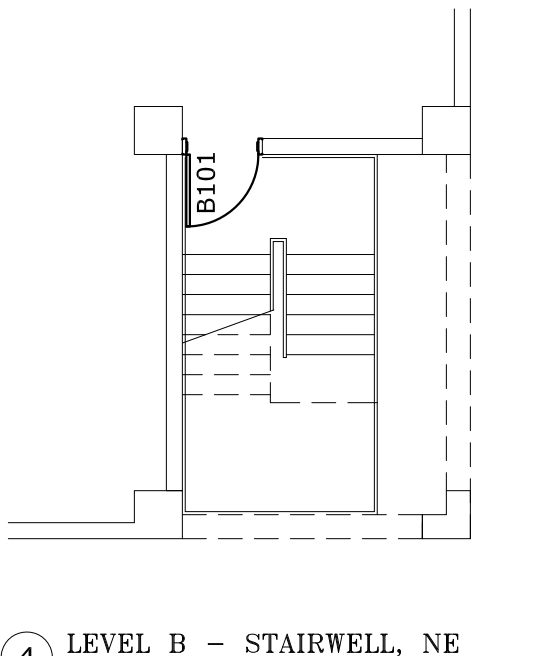
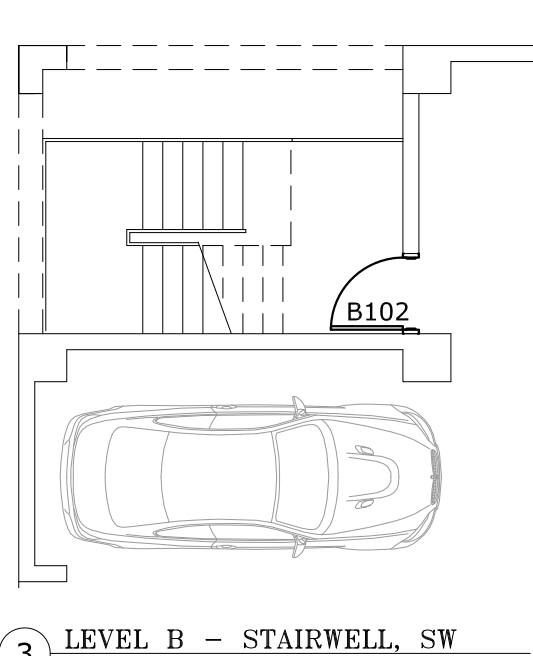
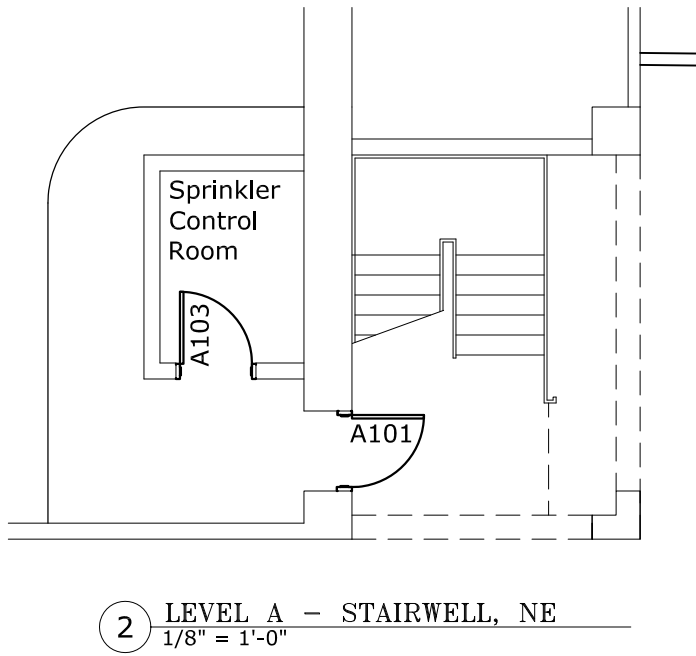
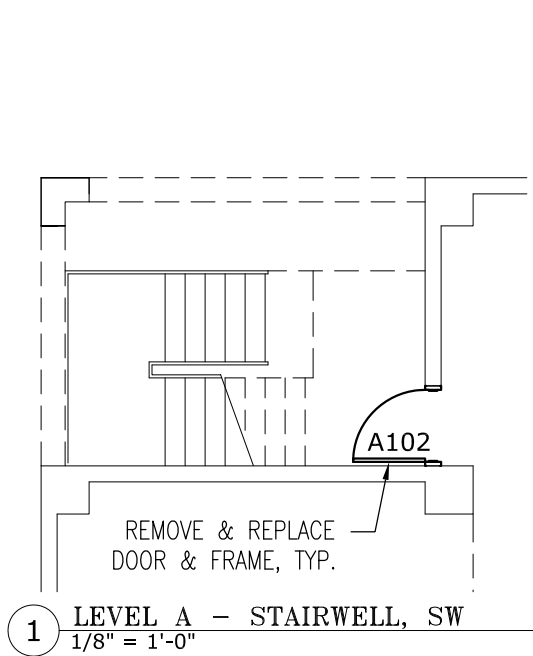
City & Borough of Juneau - CBJ Contract E14-231
JUNEAU, ALASKA

SHEET TITLE:
LEVEL: A - D
ENLARGED STAIR PLANS

DATE: MARCH 2014
CHECKED BY: GRG
DRAWN: GRG

SHEET #

A2



CONSTRUCTION GENERAL NOTES:

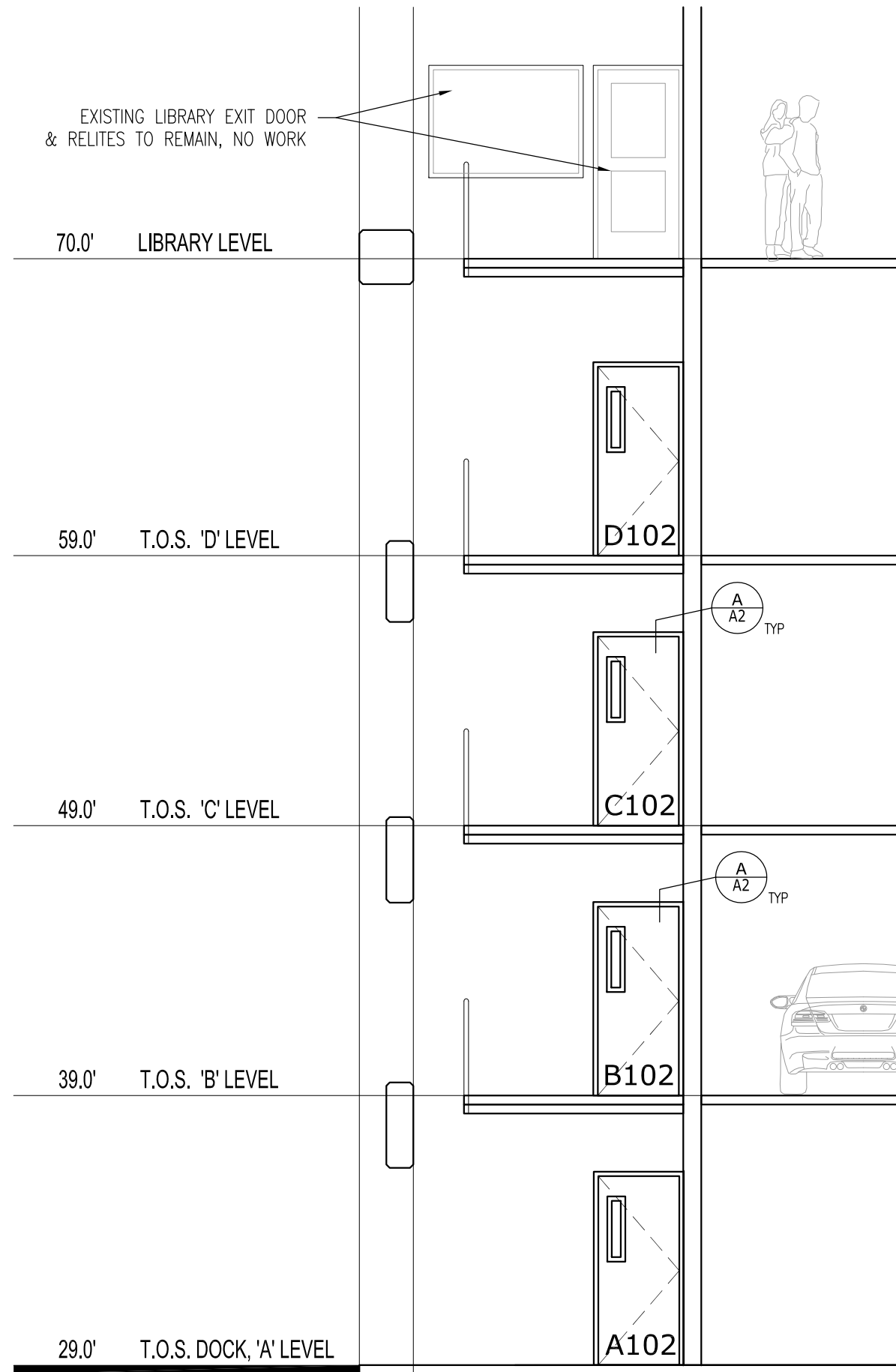
REMOVE & REPLACE SCHEDULED DOORS & FRAMES PER DRAWINGS AND SPECIFICATIONS AT (9) LOCATIONS. EXISTING METAL FRAMES ARE GROUTED INTO PLACE AND MAY REQUIRE PATCHING.

PATCH CONCRETE OPENINGS WHERE EXISTING DOORS & FRAMES ARE REMOVED, PATCH WITH CEMENT GROUT SMOOTH & SQUARE FOR ATTACHMENT OF NEW FRAMES. TOOL IN DRIP EDGE AT HEAD, TYP.

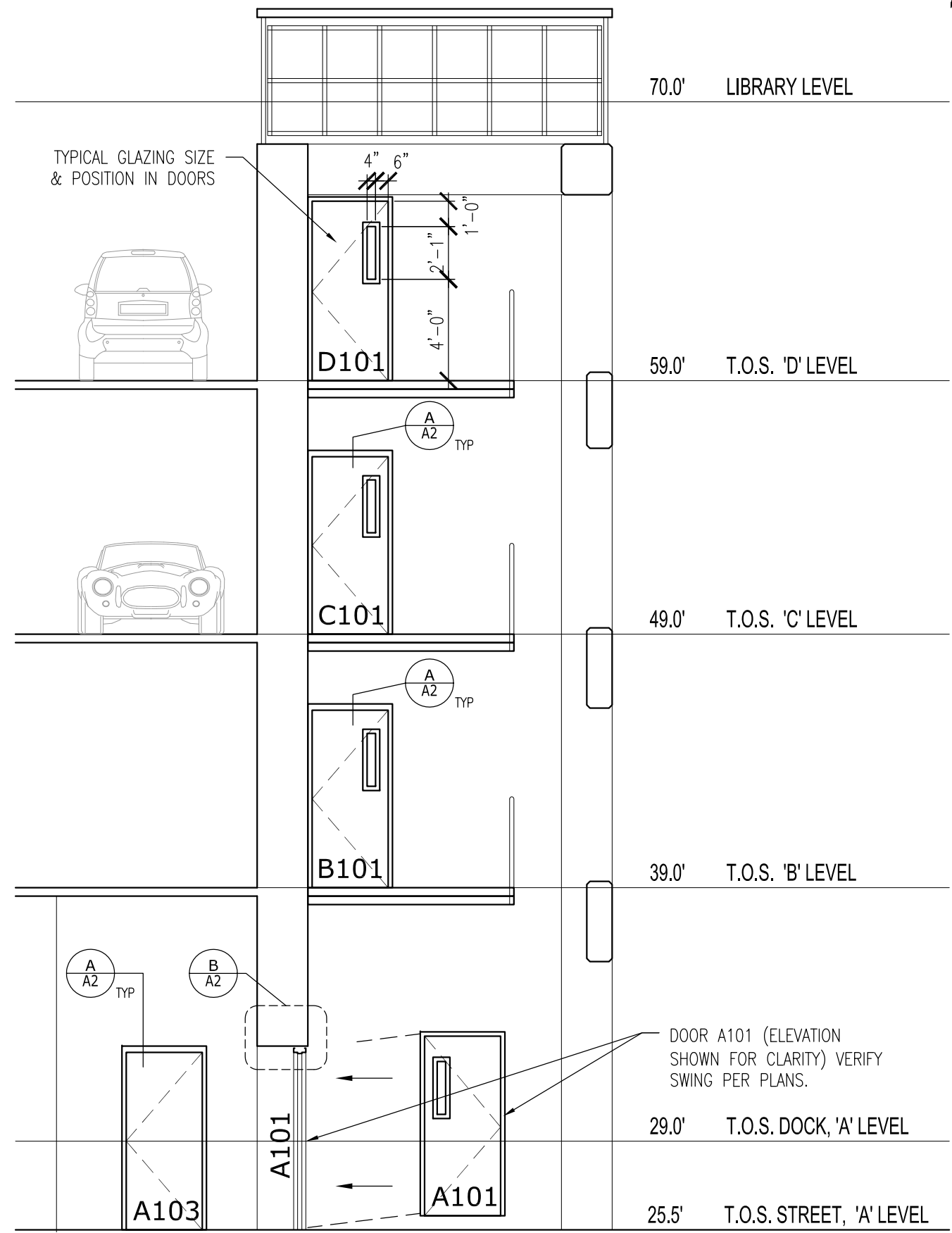
DOOR ROUGH OPENING: ADJUST HEIGHT OF NEW DOORS & FRAMES TO FIT WITHIN EXISTING ROUGH OPENINGS TO ALLOW FOR CONTROL HEIGHT AND SEALANT JOINT/SPACE AT TOP OF FRAME TO REMAIN CONSISTENT. CONTRACTOR TO VERIFY R.O. AT EACH DOOR OPENING.

INSTALL ALL RELATED DOOR HARDWARE AS SPECIFIED.

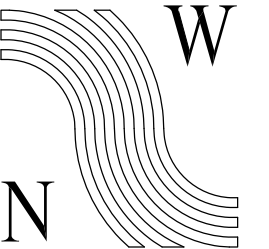
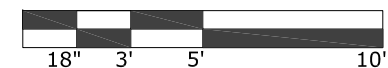
DOOR STOPS: VERIFY LOCATION OF DOOR STOPS WITH OWNER AND ARCHITECT ONSITE BEFORE ORDERING. EITHER FLOOR OR WALL TYPE ARE POSSIBLE DEPENDING ON CLEARANCES AND CONDITION OF EXISTING MATERIALS.



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



2 SECTION AT SE STAIRWELL
3/16" = 1'-0"



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CONSTRUCTION DOCUMENTS

MARINE PARKING GARAGE

Exterior Door Replacement

City & Borough of Juneau - CBJ Contract E14-231
JUNEAU, ALASKA

SHEET TITLE:
STAIR TOWER
ELEVATION

DATE: MARCH 2014
CHECKED BY: GRG
DRAWN: GRG

SHEET #

A3