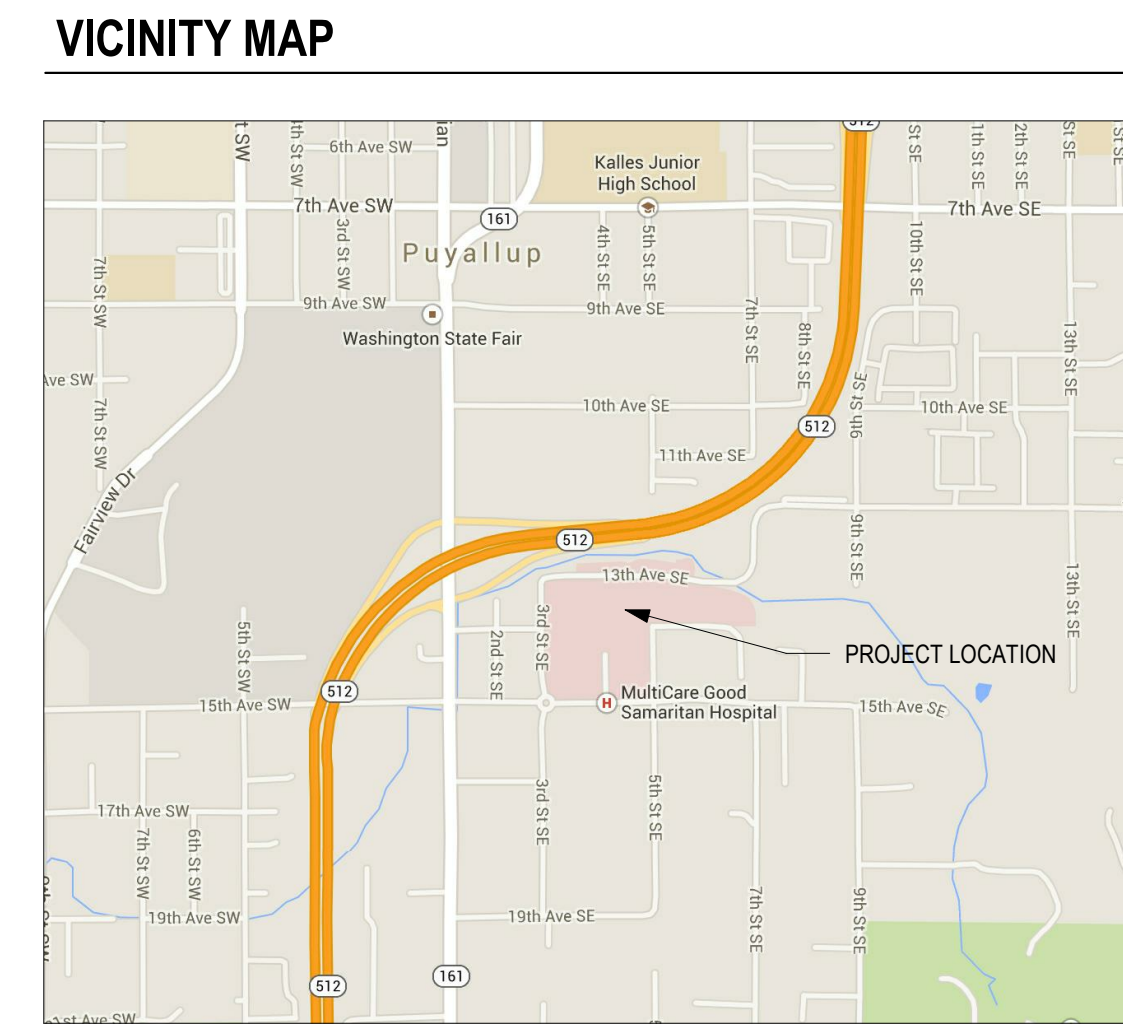


ED DELAYED EGRESS DOORS

Multicare Good Sam Hospital

401 15th Ave. SE, Puyallup WA 98372



PROJECT CONTACTS

OWNER: GBRE
922 13th Ave SE
Puyallup, WA 98372
TEL: (253) 891-6390
FAX: (253) 897-2319
ATTN: Leah Gendreau, Project Manager
EMAIL: leah.gendreau@multicare.org

ARCHITECT: CLARKKIOS ARCHITECTS
621 SW Alder St, Suite 700
Portland, OR 97205
TEL: (503) 224-4848
FAX: (503) 224-7116
ATTN: Adam McCroskey, Project Manager
EMAIL: adam.mccroskey@clarkkios.com

DOOR HARDWARE SPECIFICATIONS

HARDWARE GROUP NO. 01 FOR USE ON DOOR #(S):

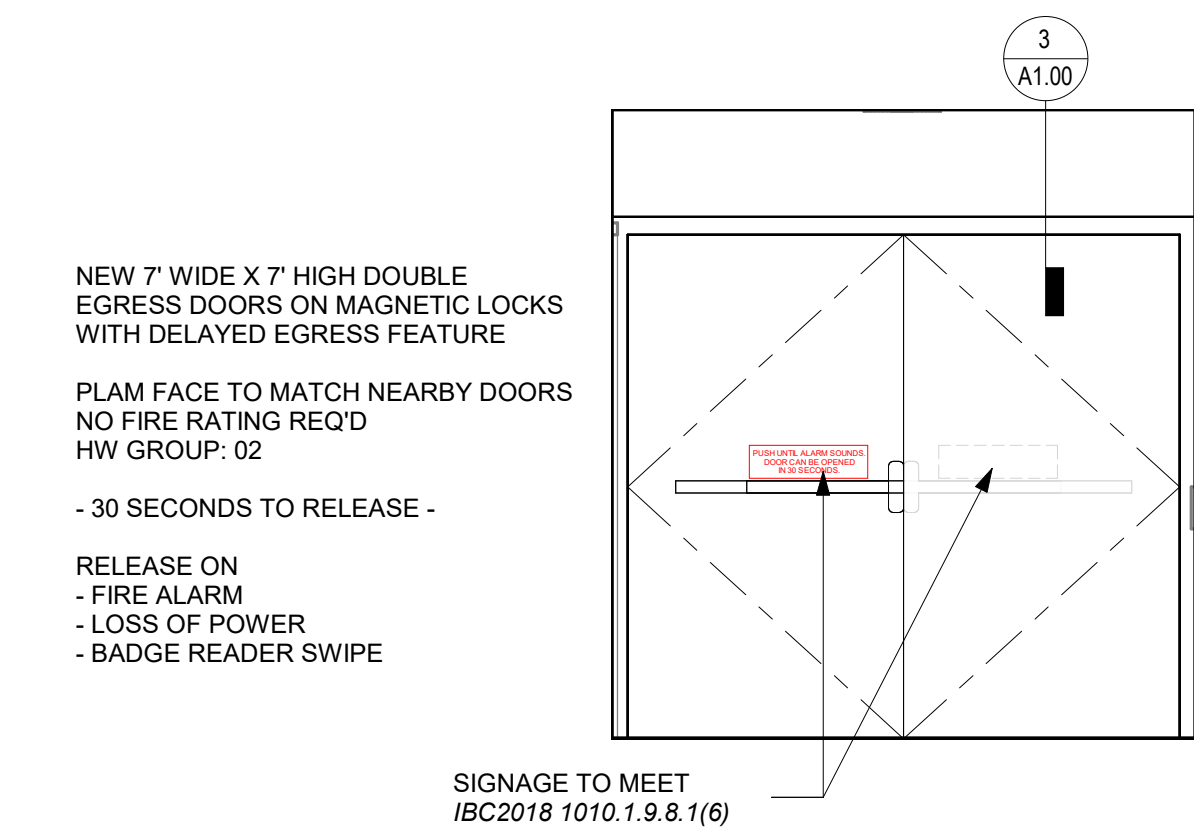
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA HINGE	5B81HW 4.5 X 4.5 NRP	652	IVE
1	EA PANIC HARDWARE	98-L-SE-06	626	VON
1	EA DELAYED EGRESS MAG	M490DE 12/24 VDC (ORDER WITH 30 SECOND DELAY)	628	SCE
1	EA SURFACE CLOSER	4040XP EDA	689	LCN
1	EA ARMOR PLATE	8400 16" X 2" LDW B-CS	630	IVE
1	EA WALL STOP	WS406/407CVX	630	IVE
1	EA GASKETING	488SBK PSA	BK	ZER
1	EA POWER SUPPLY	PS902 900-2RS 120/240 VAC		VON
2	EA ACCESS CONTROL	PROVIDED BY DIV 28		

POWER SUPPLY REQUIRES 120VAC. DELAYED EGRESS MAGNETIC LOCK REQUIRES 24V FROM POWER SUPPLY. FIRE ALARM AND ACCESS CONTROL INPUT. THE 30 SECOND DELAY MUST BE APPROVED IN WRITING BY THE LOCAL AHJ AND THEN ORDERED FROM THE FACTORY WITH THIS LETTER ATTACHED. THE DELAY TIME IS NOT FIELD SELECTABLE.

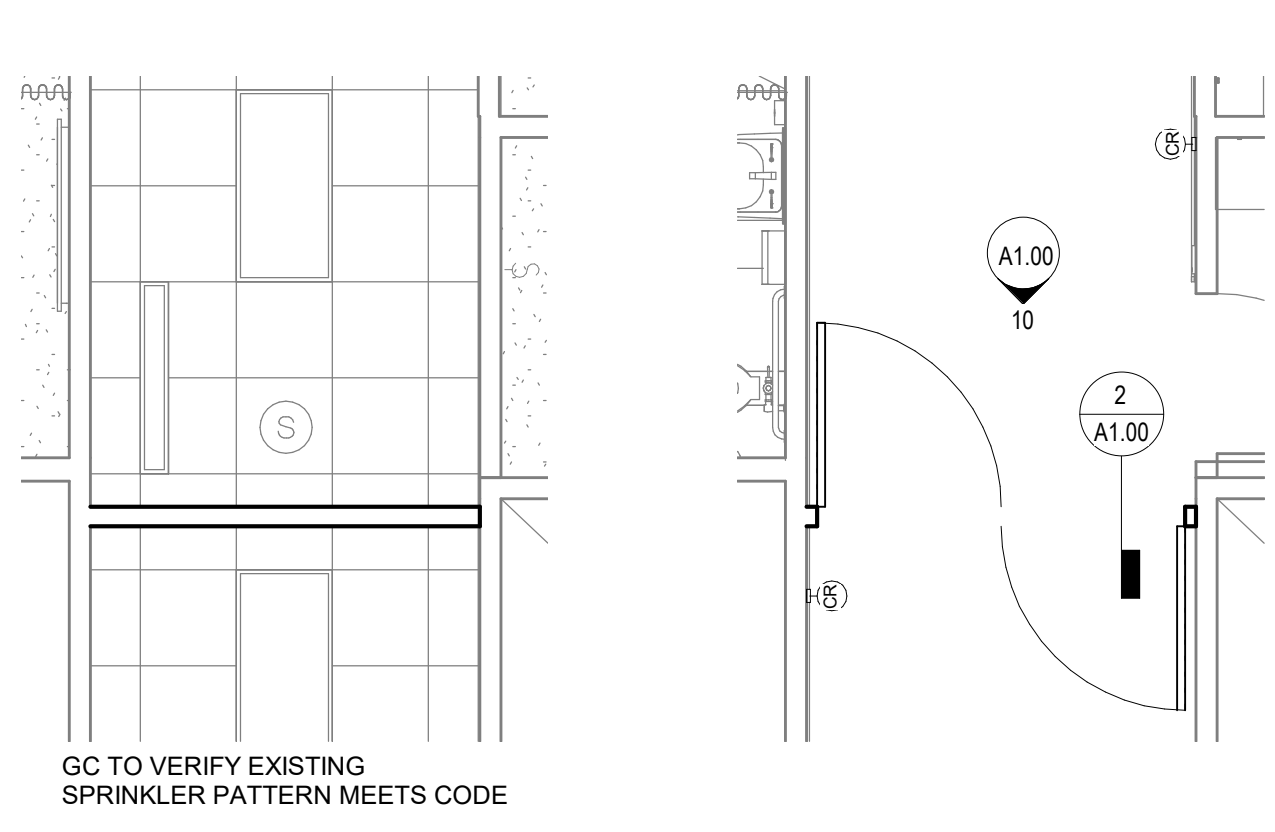
HARDWARE GROUP NO. 02 FOR USE ON DOOR #(S):

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA HINGE	5B81HW 4.5 X 4.5 NRP	652	IVE
1	EA PANIC HARDWARE	9827-EO-LBR-SNB	626	VON
1	EA PANIC HARDWARE	9827-EO-LBR-SNB	626	VON
2	EA DELAYED EGRESS MAG	M490DE 12/24 VDC (ORDER WITH 30 SECOND DELAY)	628	SCE
2	EA SURFACE CLOSER	4040XP EDA	689	LCN
2	EA ARMOR PLATE	8400 16" X 1" LDW B-CS	630	IVE
2	EA WALL STOP	WS406/407CVX	630	IVE
1	EA GASKETING	488SBK PSA (HEAD, JAMBS & ASTRAGAL)	BK	ZER
1	EA ASTRAGAL	43STST	STST	ZER
1	EA POWER SUPPLY	PS902 900-2RS 120/240 VAC		VON
2	EA ACCESS CONTROL	PROVIDED BY DIV 28		

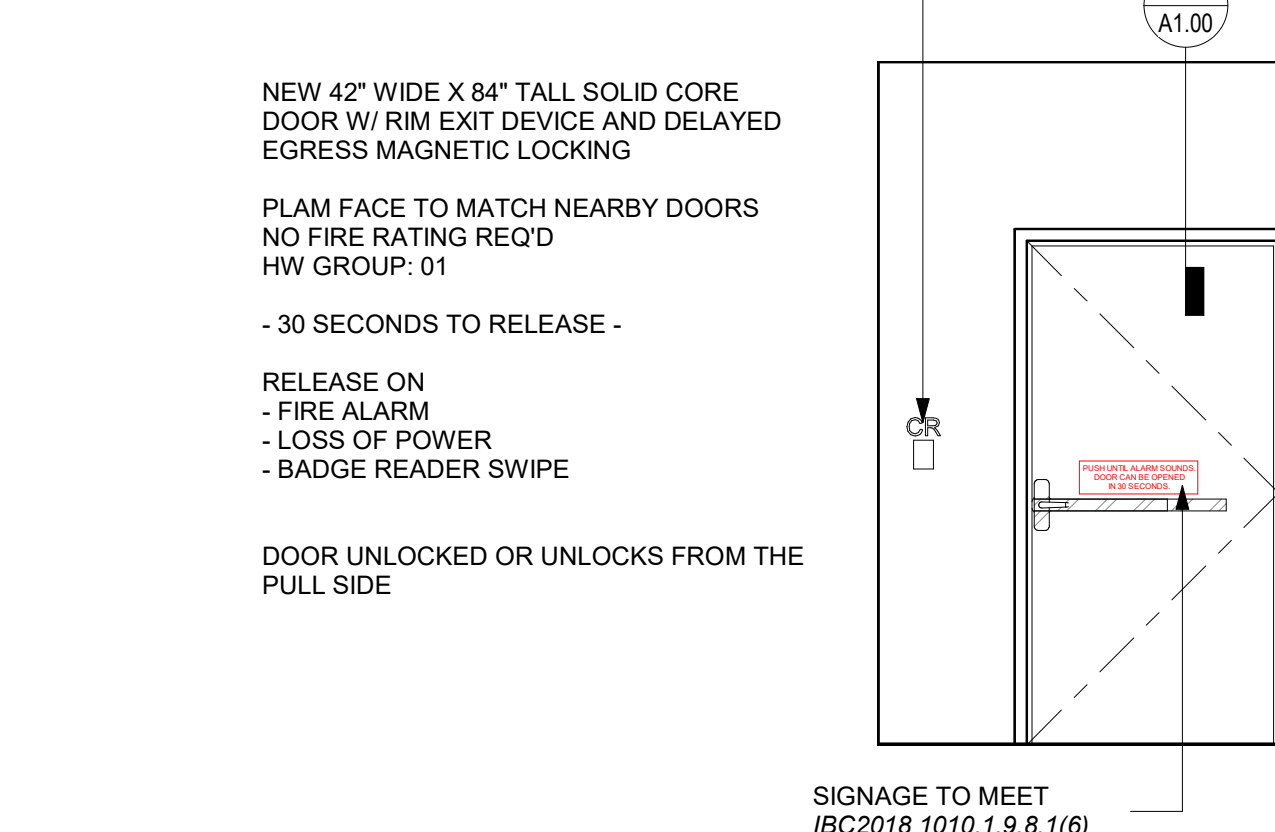
POWER SUPPLY REQUIRES 120VAC. DELAYED EGRESS MAGNETIC LOCKS REQUIRE 24V FROM POWER SUPPLY. FIRE ALARM AND ACCESS CONTROL INPUT. THE 30 SECOND DELAY MUST BE APPROVED IN WRITING BY THE LOCAL AHJ AND THEN ORDERED FROM THE FACTORY WITH THIS LETTER ATTACHED. THE DELAY TIME IS NOT FIELD SELECTABLE.



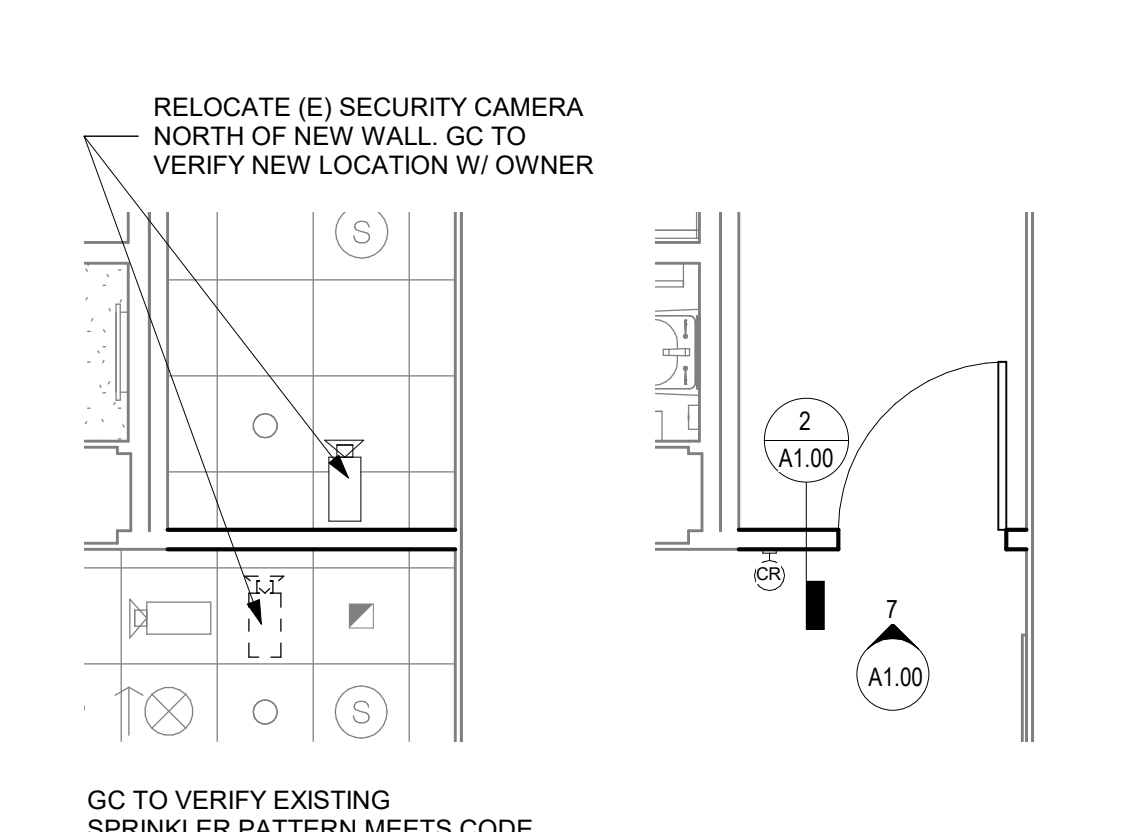
10 DOOR 2 - ELEVATION
3/8" = 1'-0"



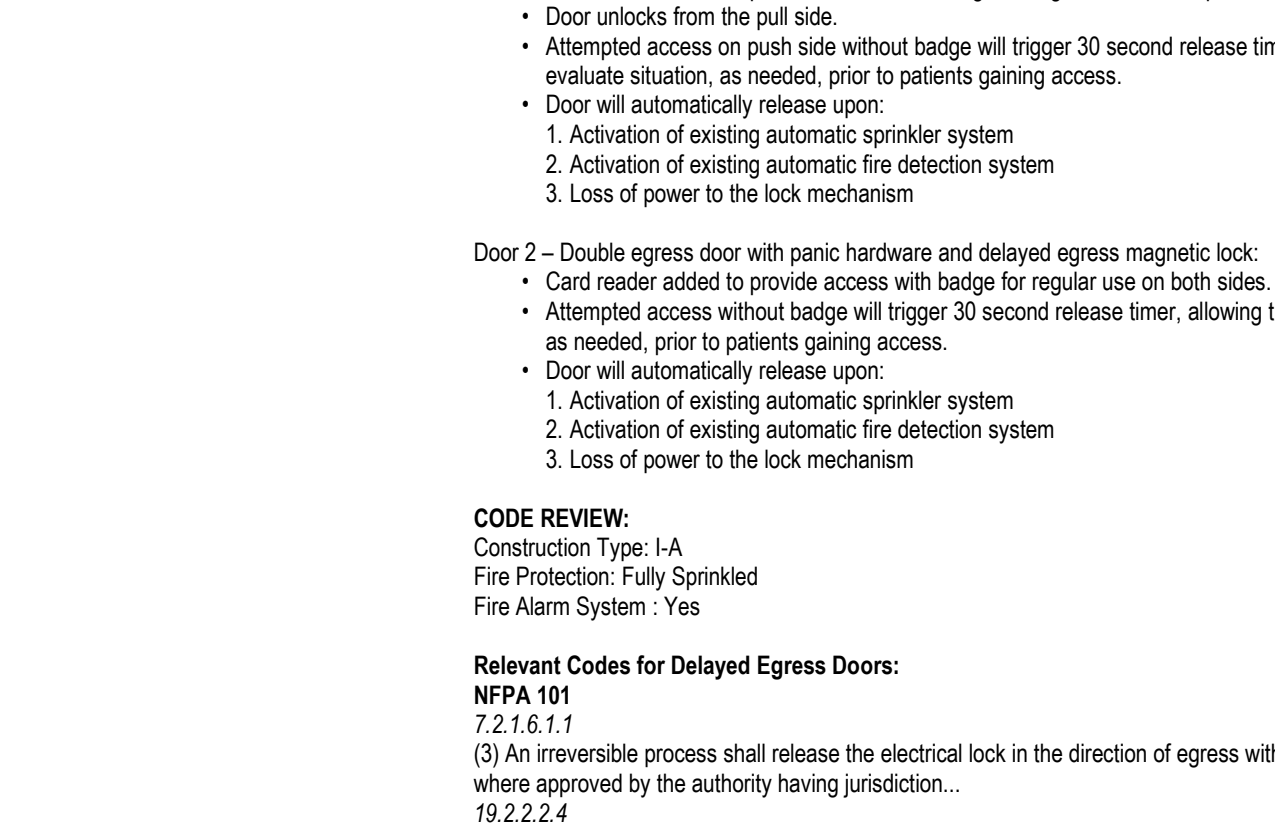
9 RCP @ DOOR 2
1/4" = 1'-0"



7 DOOR 1 - ELEVATION
3/8" = 1'-0"



6 RCP @ DOOR 1
1/4" = 1'-0"



5 DOOR 1 - ENLARGED PLAN
1/4" = 1'-0"

PROJECT DESCRIPTION

FUNCTIONAL NARRATIVE:
This project includes the addition of two cross-corridor doors within the Emergency Department. The purpose of these doors is to control restricted patient usage.

MHS is proposing access control and an extended 30 second delayed egress at these new doors. See below for further description of the operation of these added doors.

Door 1 - Single door with panic hardware and delayed egress magnetic lock:

- Card reader added to provide access with badge for regular use on the push side.
- Door unlocks from the pull side.
- Attempted access on push side without badge will trigger 30 second release timer, allowing time for staff to evaluate situation, as needed, prior to patients gaining access.
- Door will automatically release upon:
 - Activation of existing automatic sprinkler system
 - Activation of existing automatic fire detection system
 - Loss of power to the lock mechanism

Door 2 - Double egress door with panic hardware and delayed egress magnetic lock:

- Card reader added to provide access with badge for regular use on both sides.
- Attempted access without badge will trigger 30 second release timer, allowing time for staff to evaluate situation, as needed, prior to patients gaining access.
- Door will automatically release upon:
 - Activation of existing automatic sprinkler system
 - Activation of existing automatic fire detection system
 - Loss of power to the lock mechanism

CODE REVIEW:

Construction Type: I-A
Fire Protection: Fully Sprinkled
Fire Alarm System: Yes

Relevant Codes for Delayed Egress Doors:

- NFPA 101**
7.2.1.6.1.1
(5) An irreversible process shall release the electrical lock in the direction of egress within 15 seconds, or 30 seconds where approved by the authority having jurisdiction.
- IBC 2018**
1010.1.9.8.1.1
(5) An irreversible process shall release the electrical lock in the direction of egress within 15 seconds, or 30 seconds where approved by the authority having jurisdiction.
- Doors within a required means of egress shall not be equipped with a latch or lock that requires the use of a tool or key from the egress side, unless otherwise permitted by one of the following:
- Delayed-egress electrical locking systems complying with 7.2.1.6.1 shall be permitted.

- IBC 2018**
1010.1.9.8.1.1 Delayed egress locking system.
The delayed egress locking system shall be installed and operated in accordance with all of the following:
- The delay electronics of the delayed egress locking system shall deactivate upon actuation of the automatic sprinkler system or automatic fire detection system, allowing immediate free egress.
 - The delay electronics of the delayed egress locking system shall deactivate upon loss of allowing immediate free egress.
 - The delayed egress locking system shall have the capability of being deactivated at the fire command center and other approved locations.
 - An attempt to egress shall initiate an irreversible process that shall allow such egress in not more than 15 seconds when a physical effort to exit is applied to the egress side door hardware for not more than 3 seconds. Initiation of the irreversible process shall activate an audible signal in the vicinity of the door. Once the delay electronics have been deactivated, rearming the delay electronics shall be by manual means only.
Exception: Where approved, a delay of not more than 30 seconds is permitted on a delayed egress door.
 - The egress path from any point shall not pass through more than one:
 - In Group I-2 or I-3 occupancies, the egress path from any point in the building shall pass through not more than two delayed egress locking systems provided that the combined delay does not exceed 30 seconds.
 - In Group I-1 or I-4 occupancies, the egress path from any point in the building shall pass through not more than two delayed egress locking systems provided the combined delay does not exceed 30 seconds and the building is equipped throughout with an accordance with Section 903.3.1.1.
 - A sign shall be provided on the door and shall be located above and within 12 inches (305mm) of the door exit hardware:
 - For doors that swing in the direction of egress, the sign shall read: PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 (30) SECONDS.
 - For doors that swing in the opposite direction of egress, the sign shall read: PULL UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 (30) SECONDS.
 - The sign shall comply with the visual character requirements in ICC A117.1.
Exception: Where approved, in Group I occupancies, the installation of a sign is not required where care recipients who because of critical needs require restraint or treatment area.
 - Emergency lighting shall be provided on the egress side of the door.
 - The delayed egress locking system units shall be listed in accordance with UL 294.
- IBC REFERENCE:** 1010.1.9.3 Monitored or recorded egress. Where electrical systems that monitor or record egress activity are incorporated, the locking system shall comply with Section 1010.1.9.7, 1010.1.9.8, 1010.1.9.9, 1010.1.9.10, 1010.1.9.11 or shall be readily operable from the egress side without the use of a key or special knowledge or effort.

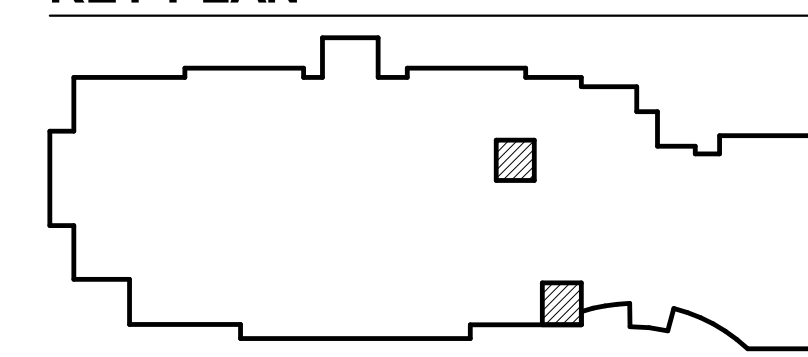
LEGEND

- EXISTING PARTITION
- NEW PARTITION
- NEW CARD READER

AREA	Occupancy Type	SO FT	Occupancy Calc.	Occupancy

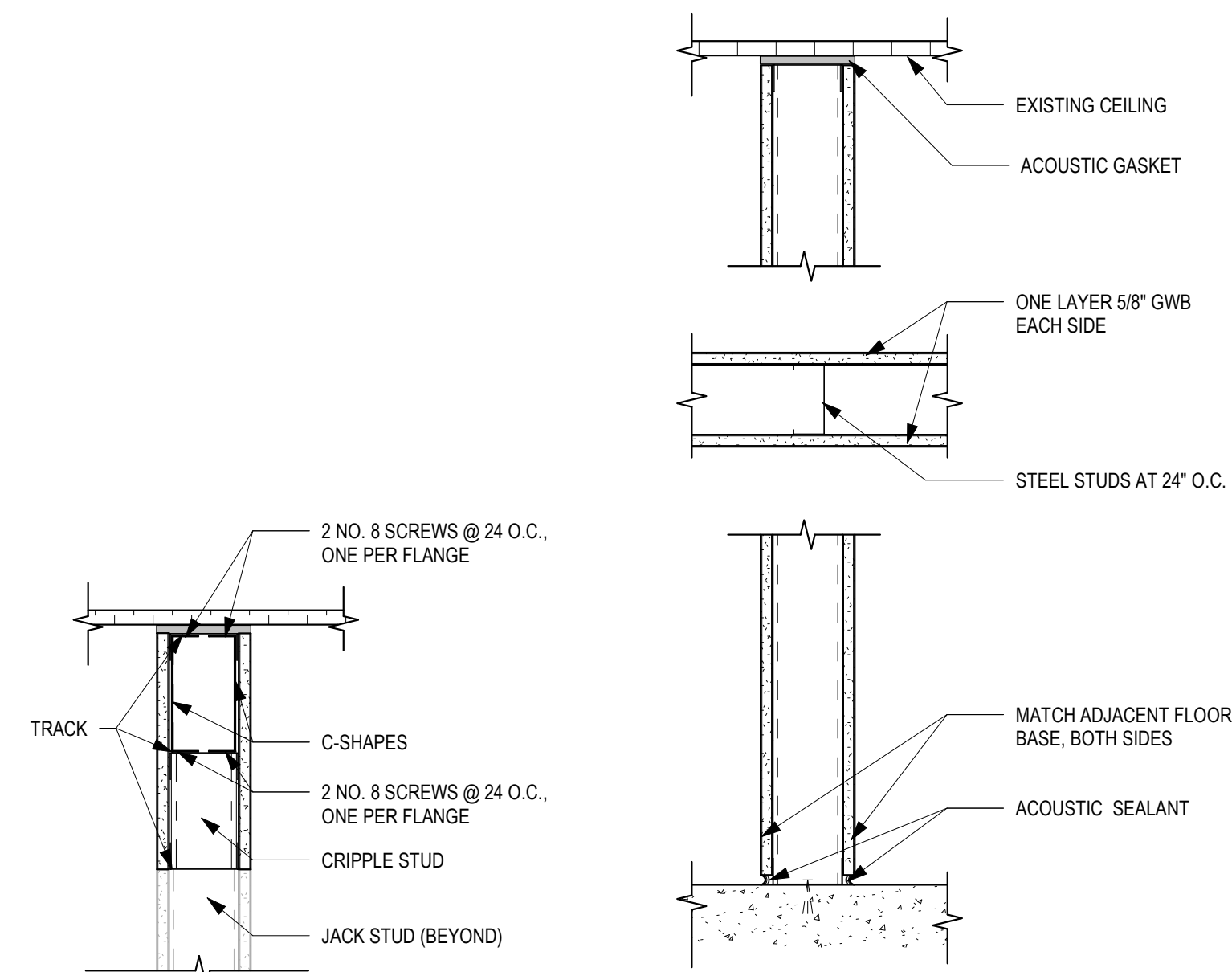
- OCCUPANCY TAG**
- CORRIDOR WALL (NR)
 - SMOKE BARRIER
 - 1-HR FIRE BARRIER
 - 2-HR FIRE BARRIER
 - EXIT ACCESS CORRIDOR (NR)
 - EXIT DISCHARGE
 - FIRE EXTINGUISHER
 - FIRE ALARM PULL STATION
 - EXIT SIGN

KEY PLAN



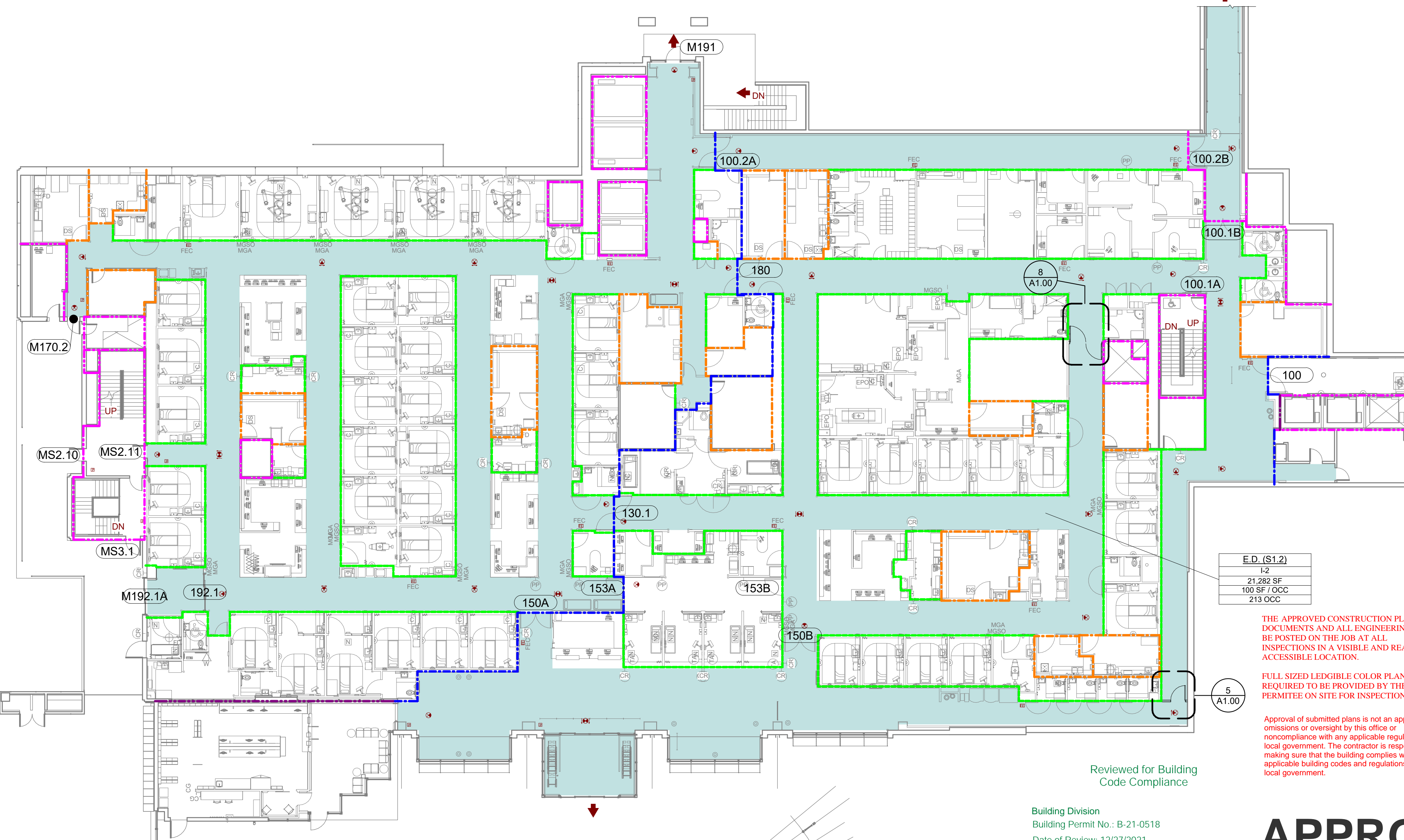
	Card Reader	Auto Door Opener	Delayed Egress	Magnetic Hold Opens
100	No	No	No	Yes
100.1A	Yes	No	No	No
100.1B	No	No	No	Yes
100.2A	No	No	No	Yes
100.2B	Yes	No	No	No
130.1	No	No	No	Yes
150A	Yes	Yes	No	No
150B	Yes	Yes	No	No
153A	No	Yes	No	No
153B	No	Yes	No	No
180	No	No	No	Yes
192.1	No	Yes	No	No
M170.2	No	No	No	No
M191	Yes	No	No	No
M192.1A	Yes	Yes	No	No
MS2.10	No	No	No	No
MS2.11	No	No	No	No
MS3.1	No	No	No	No

4 EXISTING DOOR SCHEDULE
12" = 1'-0"



3 BOXED HEADER AT OPENING
1 1/2" = 1'-0"

2 NON-RATED PARTITION
1 1/2" = 1'-0"



1 LEVEL 1 - OVERALL PLAN
1/16" = 1'-0"

APPROVED



ISSUE DATE: 10.22.2021

REVISIONS:

OVERVIEW, FLOORPLAN, ELEVATIONS & DETAILS

A1.00

PROJECT NO.: 21023