

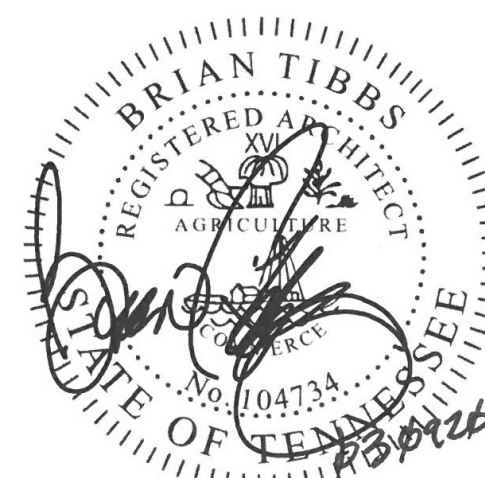
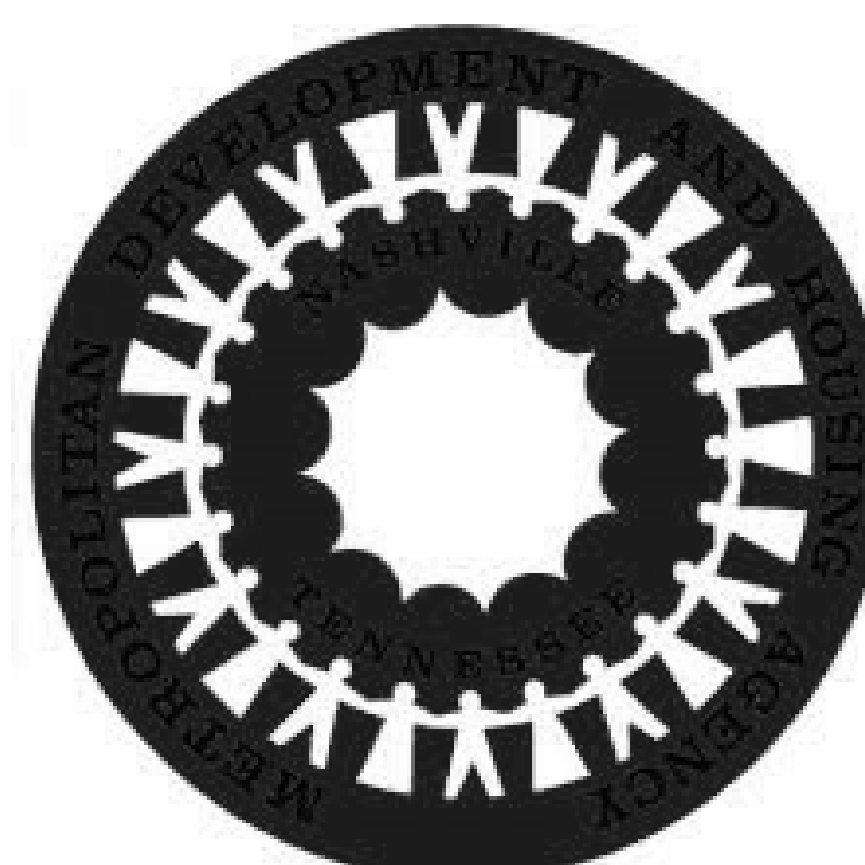
Nance Place Security Upgrades

8 Academy Place, Ste S-200, Nashville, TN 37210

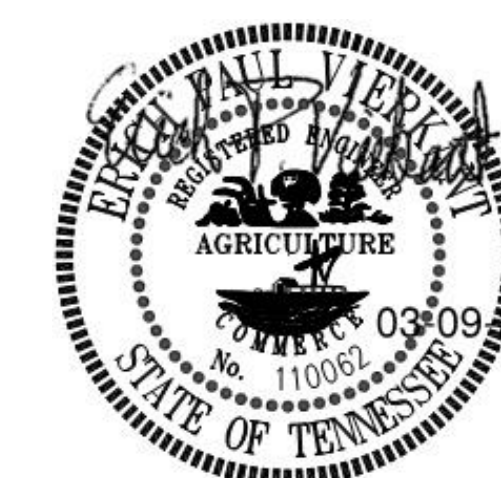
PREPARED FOR:

Metropolitan Development and Housing Agency

712 South 6th Street
Nashville, TN 37206



PREPARED BY:



 **MOODY•NOLAN**
1625 BROADWAY
4TH FLOOR
NASHVILLE, TN 37203

I.C. THOMASSON ASSOCIATES, INC.
2950 KRAFT DRIVE
#500
NASHVILLE, TN 37204

PHONE: (615) 386-9690 FAX: (615) 386-0528

PHONE: (615) 346-3400

Construction Documents 03/09/20

ABBREVIATIONS

SYMBOLS

Table of symbols and their corresponding abbreviations, including items like AND, ANGLE, AT, NUMBER / POUND, CENTERLINE, PROPERTY LINE, etc.

G

Table of abbreviations starting with G, including GAGE / GAUGE, GALVANIZED, GRAB BAR, GENERAL CONTRACTOR, etc.

P

Table of abbreviations starting with P, including PRE-CAST, PERFORATED, PLATE / PROPERTY LINE, PLASTIC LAMINATE, etc.

SYMBOLS LEGEND

Visual symbols legend showing examples for Building Section, Wall Section, Detail Section, Exterior Elevation, Interior Elevation, Window / Curtain Wall Elevation, Vertical Elevation / Level Mark, Spot Elevation, Revision Cloud & Tag, View Title, Plan, Graphic Scale, Matchline / View Reference, Grids Heads / Lines, Room Tags, Room Occupancy Tag, Room Finish Tag, Door Type Tag, Wall Type Tag, Window Type Tag, Ceiling Tag, Curtain Panel Type Tag, Coded Note / Accessory Tag, Furniture / Equipment Tag, Casework Tag, Millwork Note, North Arrow, Area Tag.

CODE SUMMARY

OWNER: METROPOLITAN DEVELOPMENT AND HOUSING AGENCY
OWNERS CONTACT: BRENT GRUBB
OWNERS ADDRESS: 712 SOUTH SIXTH STREET, NASHVILLE, TN 37206
OWNERS PHONE: 615-252-8423
SITE ADDRESS: 8 ACADEMY PLACE, SUITE 200, NASHVILLE, TN 37210
BUILDING CODES: 2012 INTERNATIONAL BUILDING CODE w/ LOCAL AMENDMENTS
BUILDING DATA: CONSTRUCTION TYPE: APARTMENTS = TYPE 5A (SPRINKLERED) GARAGE = TYPE 2 (SPRINKLERED)
USE GROUP: R-2
USE GROUP: S-2
USE GROUP: A-3
FIRE RESISTANCE RATINGS (TABLE 602): EXTERIOR WALLS: 0 HR VERTICAL CIRCULATION: 2 HR EXIT ACCESS CORRIDORS: 1 HR STRUCTURE: 0 HR FLOORS: 1 HR ROOF: 1 HR

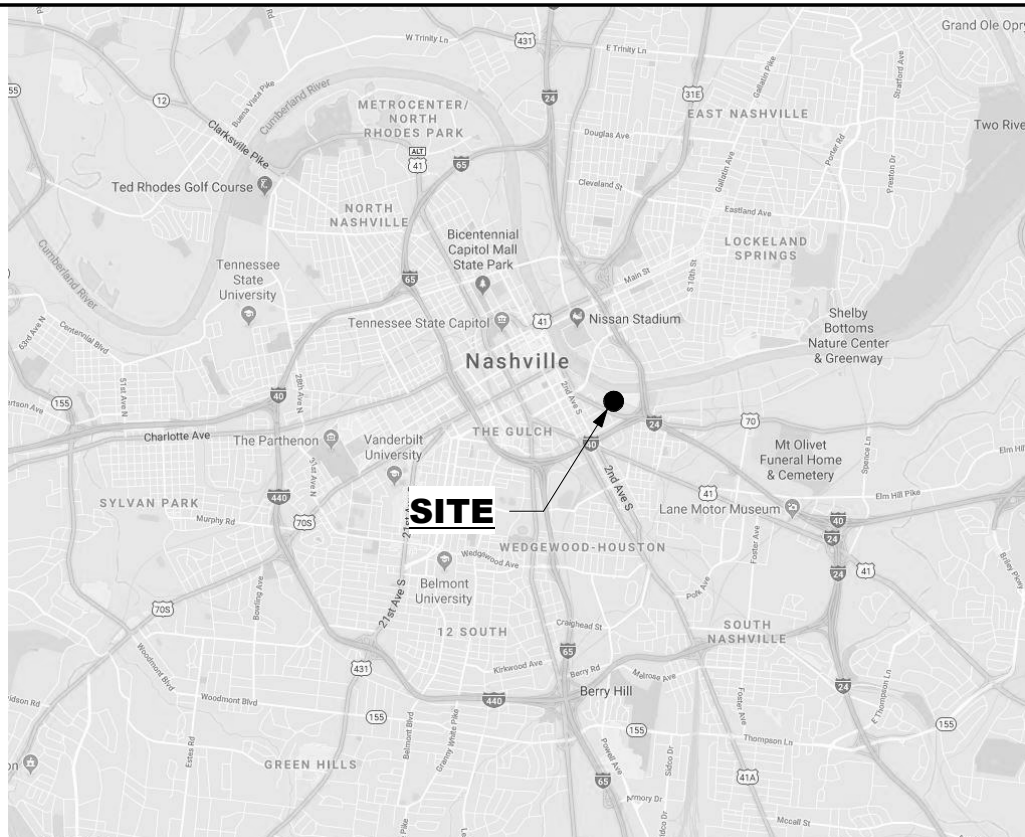
INDEX OF DRAWINGS

Table with columns: SHEET NUMBER, SHEET NAME, Sheet Issue Date, Current Revision Description, Current Revision Date. Lists sheets G000 through E102.

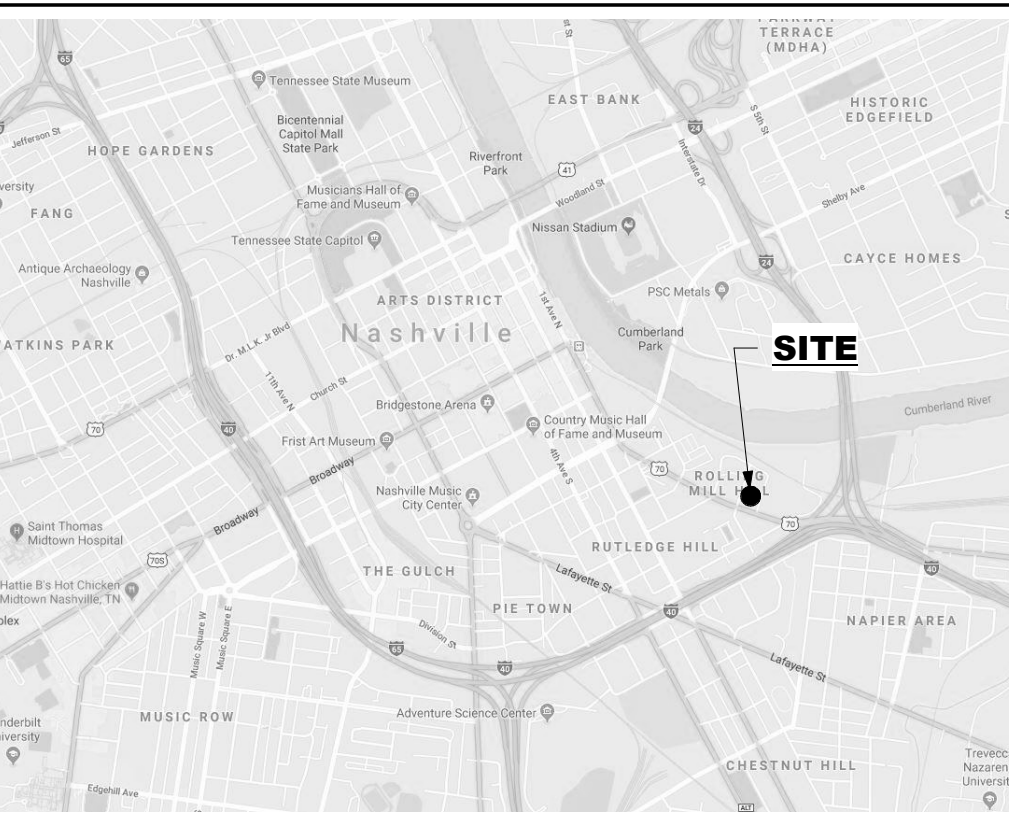
FLOOR PLAN GENERAL NOTES

- 1. THE CONTRACT DOCUMENTS CONSIST OF THE DRAWINGS AND PROJECT MANUAL...
2. DO NOT SCALE DRAWINGS.
3. CONTRACTOR'S SCOPE OF WORK INCLUDES ALL DRAWINGS WITHIN THIS SET...
4. PRIOR TO COMMENCING ACTIVITIES, CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONTRACT DOCUMENTS...
5. IN THE EVENT OF INCONSISTENCIES WITHIN OR BETWEEN THE CONTRACT DOCUMENTS...
6. THE DESIGNER SHALL BE THE INTERPRETER OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS...
7. BY COMMENCING ACTIVITIES, EACH CONTRACTOR INDICATES ACCEPTANCE OF THE CONTRACT DOCUMENTS...
8. ALL WORK SHALL CONFORM TO APPLICABLE FEDERAL, STATE, AND LOCAL CODES...
9. CONTRACTOR SHALL BE FULLY LICENSED AND INSURED TO PERFORM THE WORK OF THIS CONTRACT...
10. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING HIS OWN SAFETY PROGRAM...
11. ALL NEW WORK SHALL BE SQUARE, LEVEL, TRUE, PLUMB, ETC. UNLESS NOTED OTHERWISE...
12. ANY WORK JUDGED BY THE OWNER AND DESIGNER TO HAVE BEEN ACCESSIBLE FOR INSPECTION...
13. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TEMPORARY SHORING NECESSARY DURING CONSTRUCTION...
14. LOCATION/ARRANGEMENT OF MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT...
15. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS...
16. FIELD VERIFY ALL EXISTING AND NEW UTILITIES PRIOR TO ANY WORK BEGINNING...
17. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL WORK DURING CONSTRUCTION...
18. CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF ACCUMULATION OF WASTE MATERIALS OR RUBBISH...
19. CONTRACTOR SHALL PRESENT COMPLETED CONSTRUCTION TO OWNER FOR ACCEPTANCE...
20. ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE SHOWN WHERE REQUIRED TO INSTALL NEW DOOR HARDWARE...
21. ALL CUTTING AND PATCHING SHALL BE DONE BY CRAFTSMEN SKILLED IN THE TYPE OF WORK INVOLVED...
22. PERFORM CUTTING AND PATCHING WORK USING METHODS TO AVOID DAMAGE TO OTHER WORK...
23. REMOVE EXISTING DOOR HARDWARE AND DOOR CONTROL DEVICES WHERE REQUIRED TO INSTALL NEW DOOR HARDWARE...
24. ALL CUTTING AND PATCHING SHALL BE DONE BY CRAFTSMEN SKILLED IN THE TYPE OF WORK INVOLVED...

AREA MAP



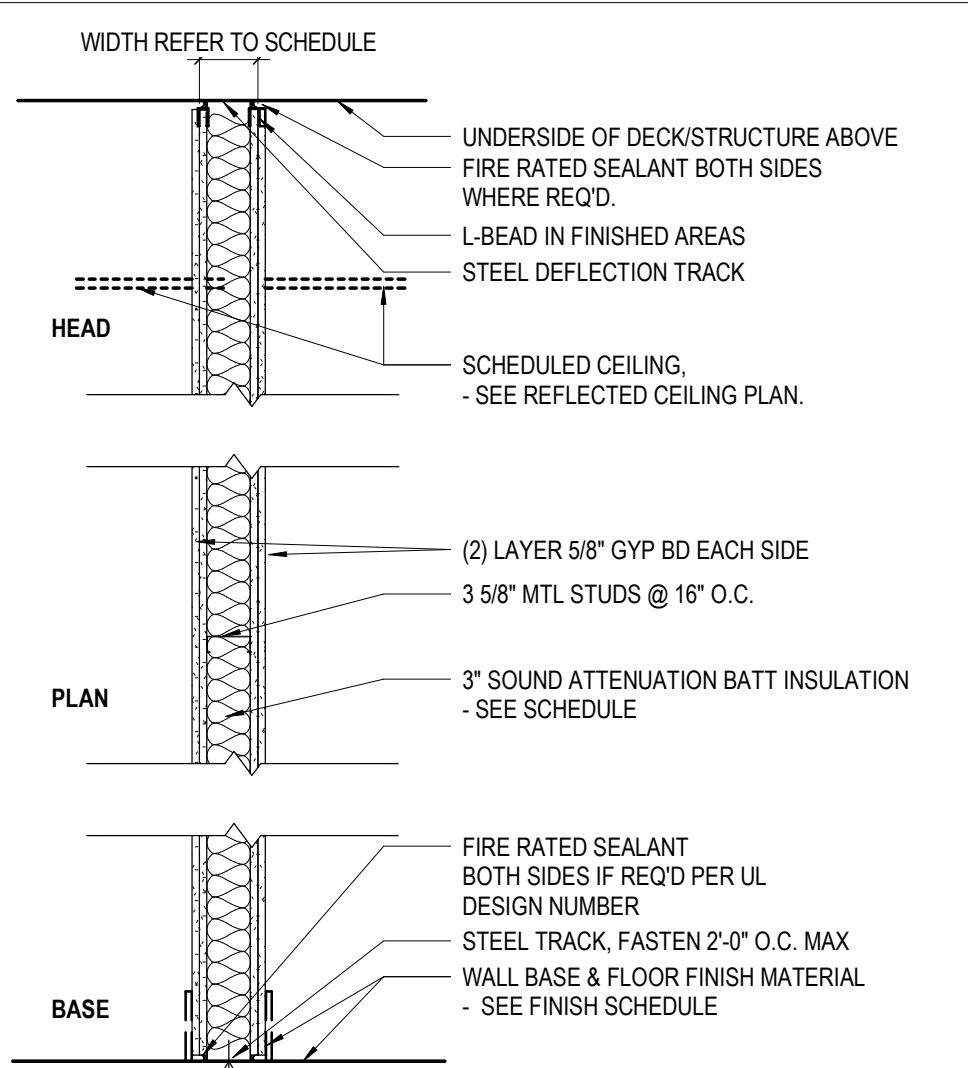
VICINITY MAP



MATERIALS LEGEND

Table of materials legend showing patterns and names for Aluminum, Acoustic Ceiling, Brick, Concrete, Concrete Masonry, Concrete (Surface), Earth, Glass - Large Scale, Glass - Small Scale, Granular Fill, Gypsum Board, Insulation - Batt, Insulation - Rigid, Plywood, Steel, Wood - Rough Framing, Wood - Rough Blocking, Wood - Finished.

TYPE 3 - 3 5/8" METAL STUD WALL TYPES



GENERAL NOTES - WALL TYPES

- 1. ALL DIMENSIONS TO FACE OF WALL UNLESS NOTED OTHERWISE.
2. USE 5/8" WATER RESISTANT GYP. BD. ON ALL WET WALLS, UNLESS NOTED OTHERWISE.
3. USE CEMENT BOARD FOR ALL WALLS TO RECEIVE CERAMIC TILE, UNLESS NOTED OTHERWISE.
4. FIRE SAFE ALL JOINTS AND PENETRATIONS AT FIRE RATED PARTITIONS.
5. UL NUMBERS LISTED APPLY ONLY TO THE TESTED MANUFACTURERS. EQUAL MANUFACTURERS EQUIVALENT ASSEMBLY INFORMATION MUST BE APPROVED BY ARCHITECT.
6. INSULATION MUST EXTEND FULL HEIGHT OF PARTITION, WHERE SOUND ATTENUATION BATTS ARE INDICATED IN PARTITIONS, INSTALL ACOUSTIC SEALANT AT BOTH SIDES, ALONG THE TOP AND BOTTOM, AND AT INTERSECTING PARTITIONS.
7. WHERE 3 5/8", 4" OR 6" STUD WALLS ARE INDICATED, SEE SPECIFICATIONS FOR HEIGHT LIMITS.
8. REFER TO FINISH SCHEDULE FOR FINISHES.
9. PROVIDE ACOUSTIC SEALANT AT TOP & BOTTOM OF PARTITION AS REQUIRED BY STC RATINGS.

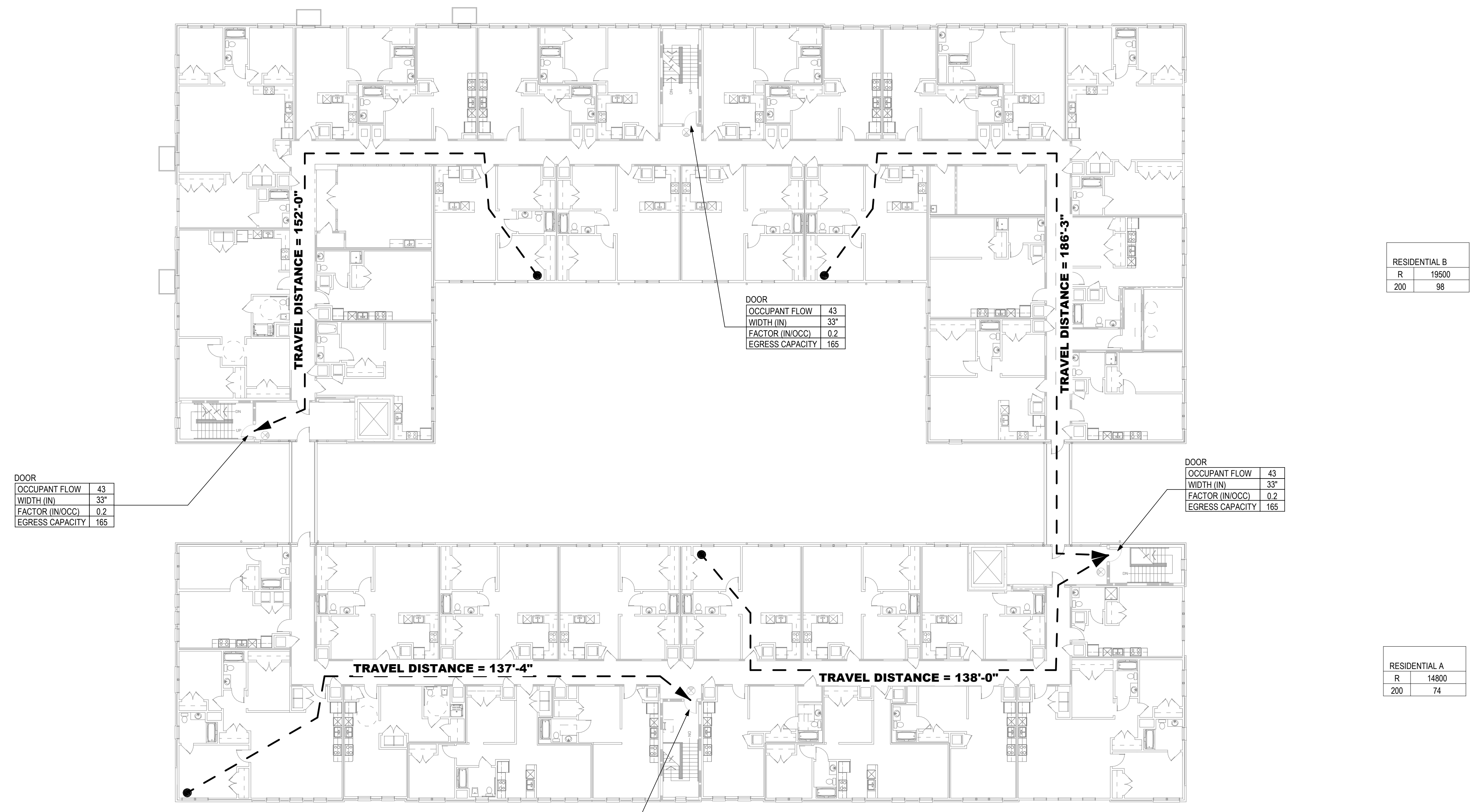
CODED NOTES - WALL TYPES

- 1. BRACE EACH STUD @ 4'-0" O.C. TO BACK-UP WALL FOR ENTIRE HEIGHT OF PARTITION.
2. BRACE EACH STUD @ 8'-0" O.C. TO BACK-UP WALL FOR ENTIRE HEIGHT OF PARTITION.
3. SMOKE TIGHT SEAL SHALL BE PROVIDED AT TOP, BOTTOM AND ENDS OF WALL AND AT ALL PENETRATIONS.
4. FULL HEIGHT PARTITION, TERMINATE GYP. BD. AND STUDS AT DECK/STRUCTURE ABOVE.
5. STOP GYP. BD. AND STUDS 6" A.F.C. BRACE PARTITION TO DECK/STRUCTURE PER METAL STUD MANUFACTURER DESIGN LOADING CRITERIA.
6. FULL HEIGHT SHAF WALL. TERMINATE GYP. BD. AND STUDS AT DECK/STRUCTURE ABOVE.
7. FULL HEIGHT PARTITION, TERMINATE GYP. BD., PLYWOOD AND STUDS AT DECK/STRUCTURE ABOVE.
8. FULL HEIGHT PARTITION, TERMINATE CMU AT DECK/STRUCTURE ABOVE.
9. STOP CMU FULL COURSE ABOVE FINISH CEILING, BRACE WALL TO STRUCTURE PER STRUCTURAL DRAWINGS.
10. FULL HEIGHT PARTITION, TERMINATE CMU AT DECK ABOVE. STOP FURRING AND GYP. BD. @ 6" ABOVE FINISHED CEILING.
11. STOP WALL FULL COURSE ABOVE FINISH CEILING. BRACE WALL TO STRUCT. PER STRUCTURAL DRAWINGS.

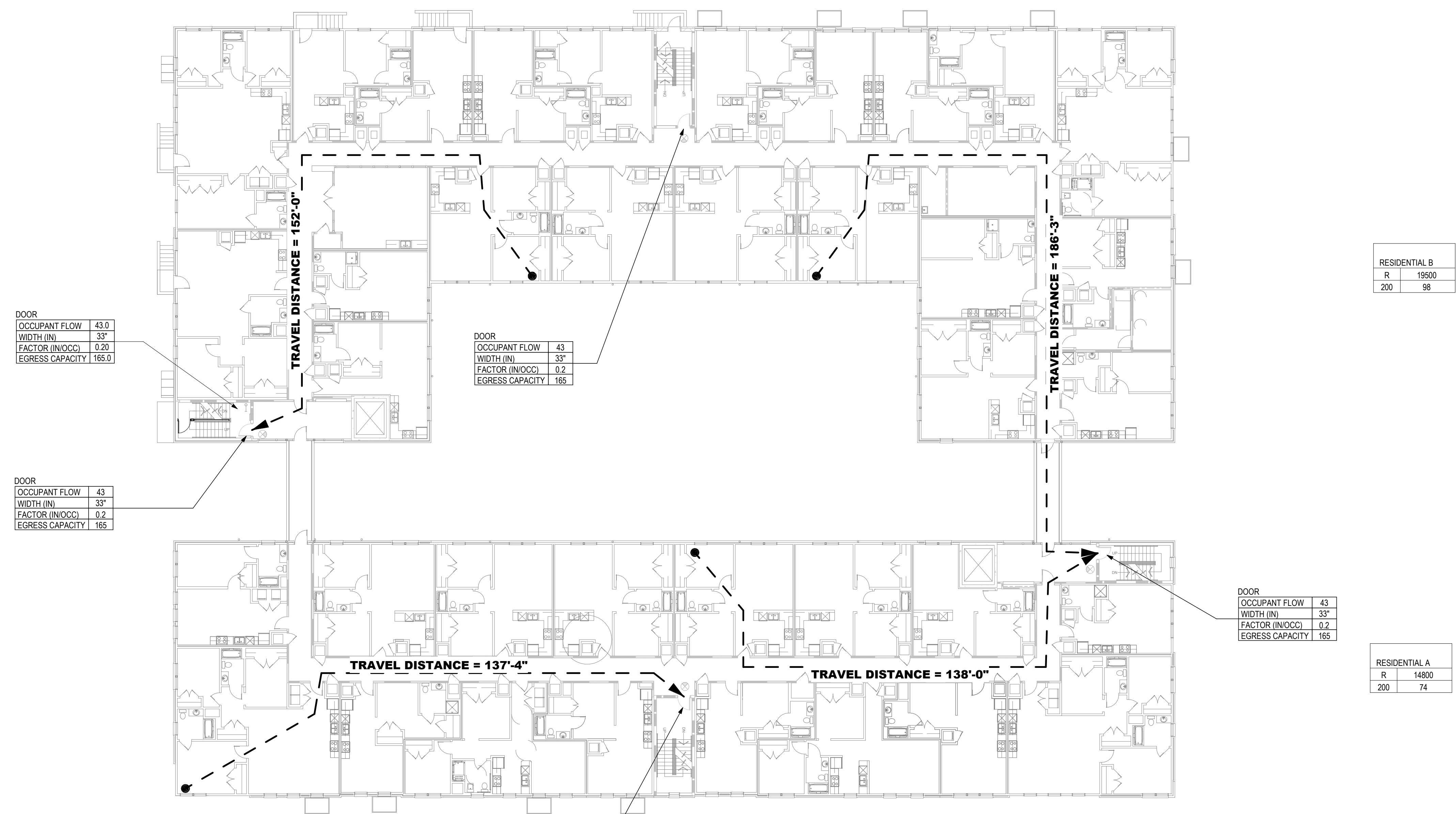
Logos for Nance Place Security Upgrades and Metropolitan Development and Housing Agency, along with contact information for Brent Grubb.

DRAWING INDEX

Professional seal of Brian Tibbs, Registered Professional Engineer, and drawing index information including date 03/09/20 and sheet number G001.



2 PLAN LEVEL 04 - LIFE SAFETY
 1/16" = 1'-0"



1 PLAN LEVEL 03 - LIFE SAFETY
 1/16" = 1'-0"

GENERAL NOTES - CODE PLAN

- FOR GROUP R-2 (APARTMENTS)
 - TRAVEL DISTANCE WITH NFPA 13 SPRINKLER SYSTEM = 250 FT. MAX. (IBC 1016.2)
 - FOR GROUP S-2 (PARKING GARAGE)
 - TRAVEL DISTANCE WITH NFPA 13 SPRINKLER SYSTEM = 400 FT. MAX. (IBC 1016.2)
 - THREE OR MORE EXITS IS NOT REQUIRED (PAGE 207), IF OCC. LOAD IS LESS THAN 500 ACTUAL OCC. LOAD = 153, 2 EXITS PROVIDED.
 - FOR GROUP A-3 (COURTYARD)
 - TRAVEL DISTANCE WITHOUT NFPA 13 SPRINKLER SYSTEM = 200 FT. MAX. (IBC 1016.2)
- - EXISTING EXIT SIGN
 ● - NEW/RELOCATED EXIT SIGN - SEE ELECTRICAL

RATED WALL LEGEND

- EXISTING 1 HOUR FIRE RATED PARTITION
- EXISTING 2 HOUR FIRE RATED PARTITION
- NEW 2 HOUR FIRE RATED PARTITION TO DECK

OCCUPANCY TAGS

DOOR	OCCUPANT FLOW	0
	WIDTH (IN)	0"
	FACTOR (IN/OCC)	0.2
	EGRESS CAPACITY	0

ROOM		
NAME	101	ROOM SF
OCCUPANCY GROUP	A-1	150 SF
OCCUPANCY LOAD FACTOR	OCC	OCC LOAD

#	DATE	CHANGE DESCRIPTION

Nance Place Security Upgrades
 8 Academy Place, Ste 5-200, Nashville, TN 37210
 FOR
Metropolitan Development and Housing Agency

MOODY-NOLAN
 1625 BROADWAY
 4TH FLOOR
 NASHVILLE, TN 37203
 PHONE: (615) 386-9690
 FAX: (615) 386-0528

DRAWING TITLE:
LIFE SAFETY PLAN - LEVEL 3 & LEVEL 4

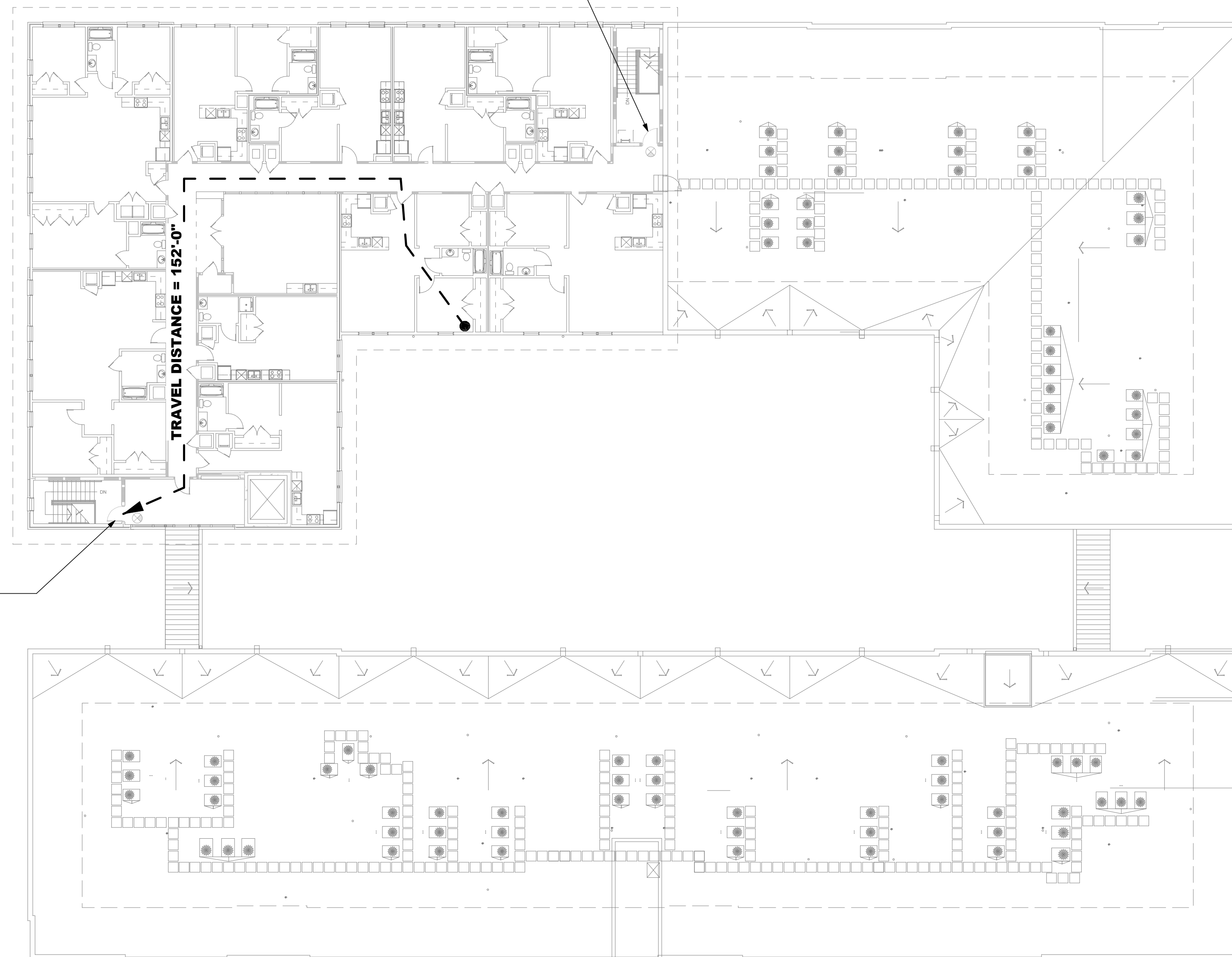
	03/09/20
	DRAWN BY: JT CHECKED BY: AL
	18560.02

G102
 Construction Documents

RESIDENTIAL B	
R	9643
200	49

DOOR	OCCUPANT FLOW	25
	WIDTH (IN)	33"
	FACTOR (IN/OCC)	0.2
	EGRESS CAPACITY	165

DOOR	OCCUPANT FLOW	25
	WIDTH (IN)	33"
	FACTOR (IN/OCC)	0.2
	EGRESS CAPACITY	165



1 PLAN LEVEL 05 - LIFE SAFETY
 1/16" = 1'-0"

GENERAL NOTES - CODE PLAN

- FOR GROUP R-2 (APARTMENTS)
 - TRAVEL DISTANCE WITH NFPA 13 SPRINKLER SYSTEM = 250 FT. MAX. (IBC 1016.2)
- FOR GROUP S-2 (PARKING GARAGE)
 - TRAVEL DISTANCE WITH NFPA 13 SPRINKLER SYSTEM = 400 FT. MAX. (IBC 1016.2)
 - THREE OR MORE EXITS IS NOT REQUIRED (PAGE 267), IF OCC. LOAD IS LESS THAN 501 ACTUAL OCC. LOAD = 193, 2 EXITS PROVIDED.
- FOR GROUP A-3 (COURTYARD)
 - TRAVEL DISTANCE WITHOUT NFPA 13 SPRINKLER SYSTEM = 200 FT. MAX. (IBC 1016.2)

- ⊙ - EXISTING EXIT SIGN
- ⊙ - NEW/RELOCATED EXIT SIGN - SEE ELECTRICAL

RATED WALL LEGEND

- EXISTING 1 HOUR FIRE RATED PARTITION
- EXISTING 2 HOUR FIRE RATED PARTITION
- NEW 2 HOUR FIRE RATED PARTITION TO DECK

OCCUPANCY TAGS

DOOR	
OCCUPANT FLOW	0
WIDTH (IN)	0"
FACTOR (IN/OCC)	0.2
EGRESS CAPACITY	0

ROOM	
NAME	101
OCCUPANCY GROUP	A-1 150 SF - ROOM SF
OCCUPANCY LOAD FACTOR	OCC OCC LOAD OCCUPANT LOAD

#	DATE	CHANGE DESCRIPTION

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 8 Academy Place, Ste 5-200, Nashville, TN 37210
 FOR
Metropolitan Development and Housing Agency

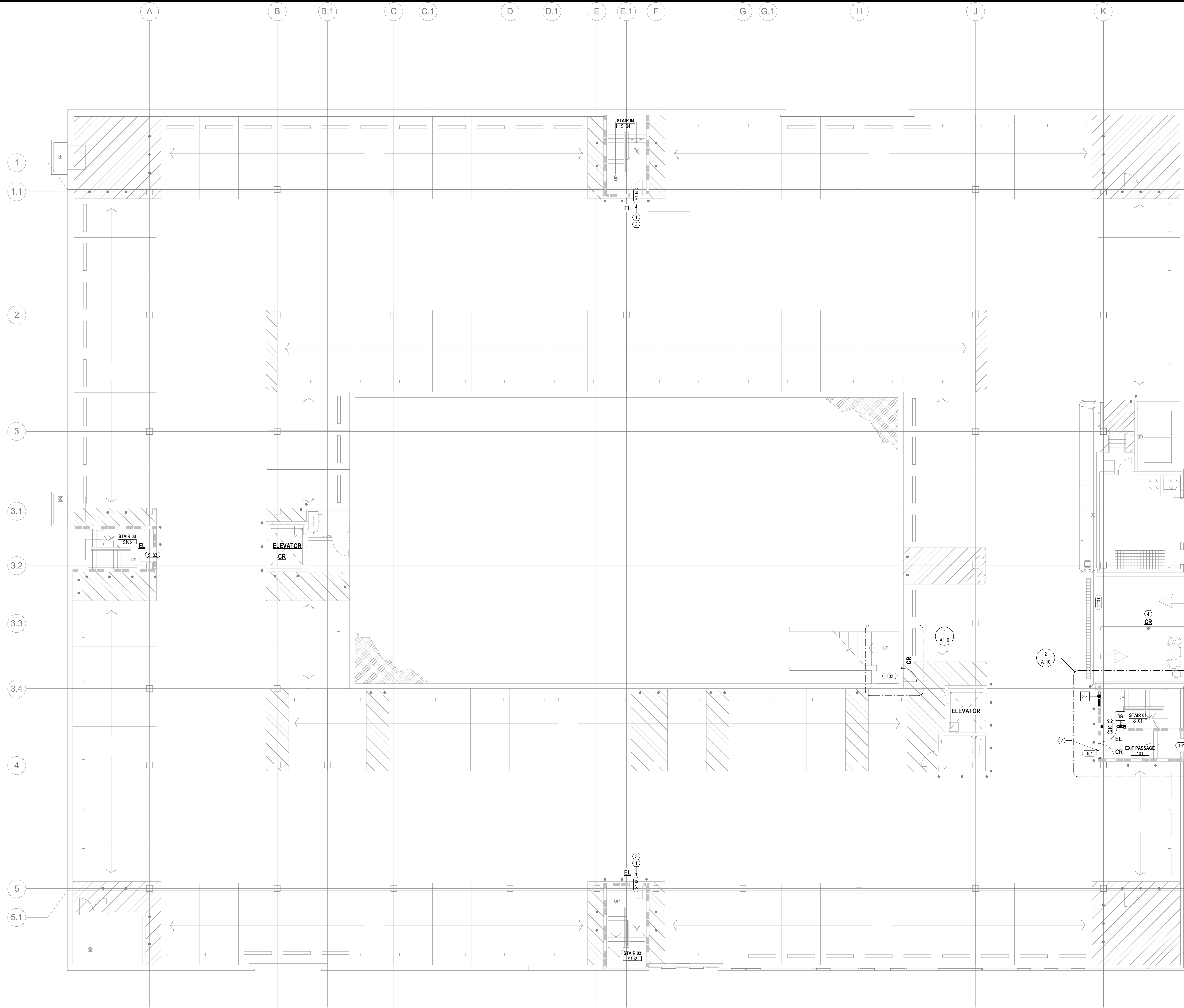
1625 BROADWAY
 4TH FLOOR
 NASHVILLE, TN 37203

PHONE: (615) 386-9690
 FAX: (615) 386-0528

MOODY-NOLAN

DRAWING TITLE:
LIFE SAFETY PLAN - LEVEL 5

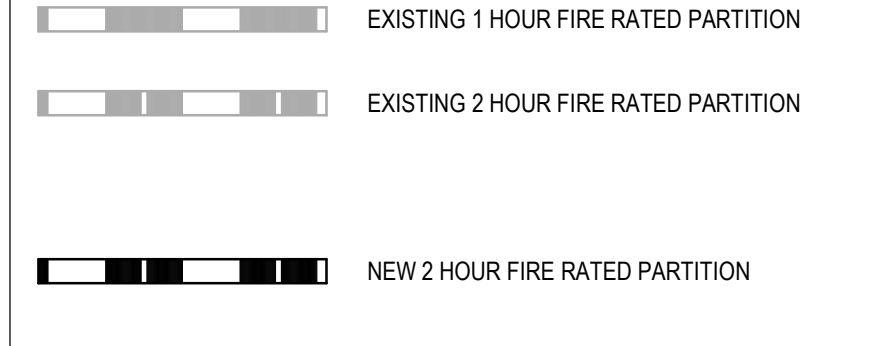
	03/09/20
	DRAWN BY: JT CHECKED BY: AL
	18560.02
G103	
Construction Documents	



FLOOR PLAN GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF WALL UNLESS NOTED OTHERWISE.
 2. PROVIDE CARD READERS IN THE (2) EXISTING ELEVATORS.
- ### - DOOR TAG, SEE SCHEDULE ON SHEET A701 FOR INFORMATION
 CR - CARD READER
 RTE - REQUEST TO EXIT
 EL - ELECTRONIC SELF-CONTAINED LOCKSET

RATED WALL LEGEND



FLOOR PLAN CODED NOTES

1. REMOVE EXISTING EXIT SIGN, COORDINATE WITH OWNER TO SALVAGE.
2. RELOCATED EXIT SIGN FROM ABOVE DOOR S101A, TO WALL OVER DOOR 101
3. PROVIDE SIGN THAT STATES "ROOF ACCESS STAIR". MOUNT ON DOOR.
4. NEW CARD READER IN EXISTING BOX.
5. EXISTING REQUEST TO EXIT (RTE) TO REMAIN. TIE INTO NEW SECURITY SYSTEM. REPLACE DEVICE AS REQUIRED TO SYNCHRONIZE WITH NEW SYSTEM.
6. NEW CARD READER IN NEW WALL MOUNTED BOX. CONDUIT TO BE RUN INSIDE WALL. REPAIR & PATCH INSIDE AND OUTSIDE TO MATCH EXISTING.
7. REMOVE EXISTING MAGNETIC LOCK AND RTE. DEMO EXISTING WALL MOUNTED ELEC. BOX. REPAIR WALL AND FILL SCREW HOLES TO SMOOTH FINISH. PAINT TO MATCH.
8. EXTEND POWER TO NEW FENCE LOCATION IN UNDERGROUND CONDUIT. DEMO AND REPLACE CONCRETE TO MATCH EXISTING.

#	DATE	CHANGE DESCRIPTION

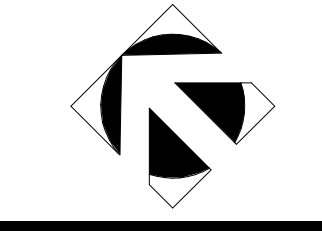
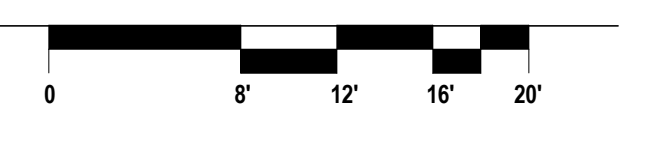
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Metropolitan Development and Housing Agency

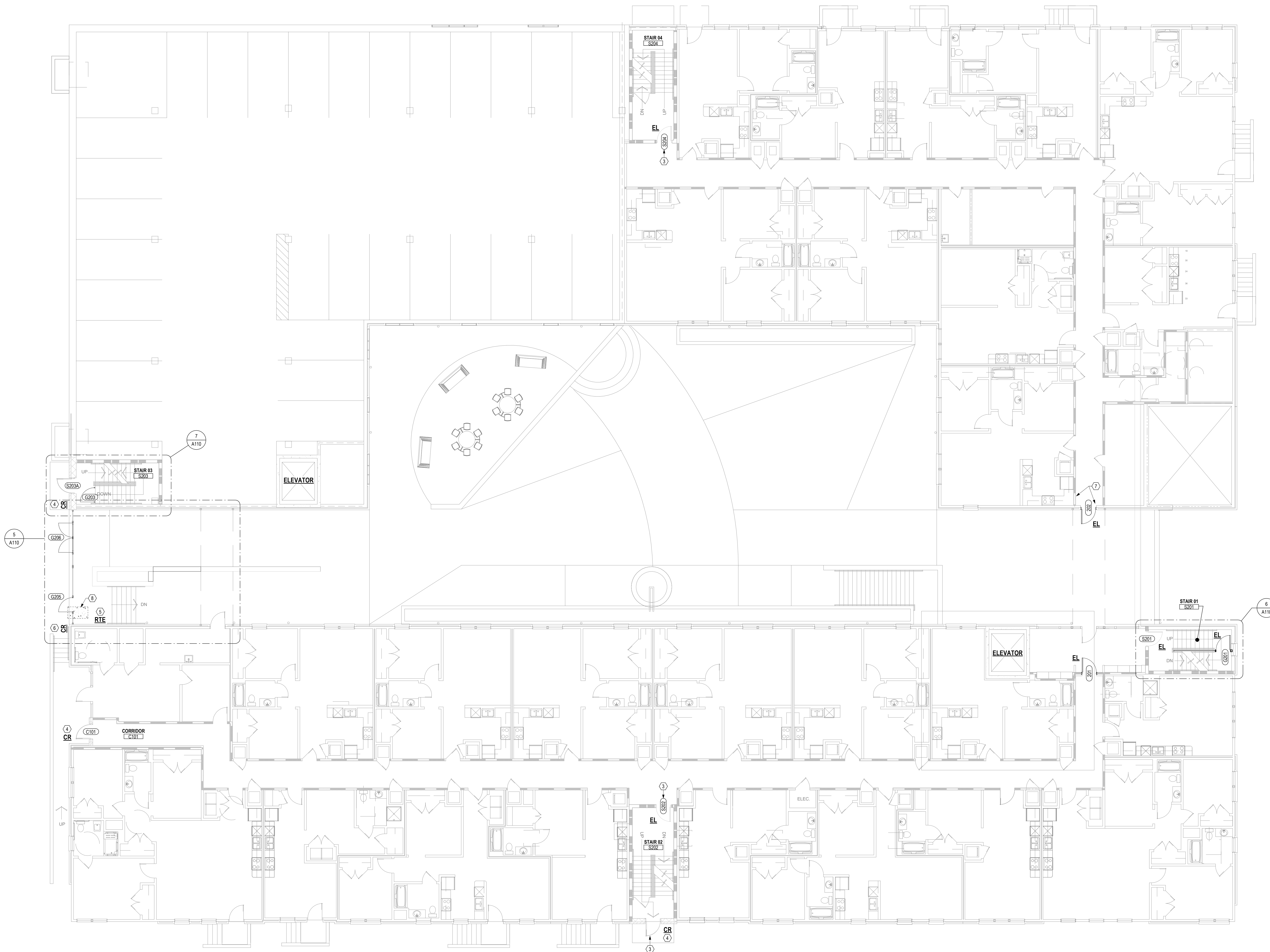
1625 BROADWAY
 4TH FLOOR
 NASHVILLE, TN 37203
 PHONE: (615) 386-9690
 FAX: (615) 386-0528

LEVEL 01 - FLOOR PLAN - OVERALL

03/09/20
 DRAWN BY: JT CHECKED BY: AL
 18560.02
A101
 Construction Documents

1 PLAN OVERALL FIRST FLOOR PLAN
 1/8" = 1'-0"





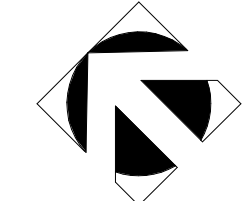
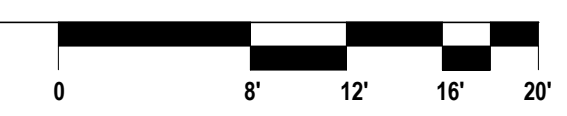
- FLOOR PLAN GENERAL NOTES**
- ALL DIMENSIONS ARE TO FACE OF WALL UNLESS NOTED OTHERWISE.
 - PROVIDE CARD READERS IN THE (2) EXISTING ELEVATORS.
- ### - DOOR TAG, SEE SCHEDULE ON SHEET A701 FOR INFORMATION
 CR - CARD READER
 RTE - REQUEST TO EXIT
 EL - ELECTRONIC SELF-CONTAINED LOCKSET
- RATED WALL LEGEND**
- EXISTING 1 HOUR FIRE RATED PARTITION
 - EXISTING 2 HOUR FIRE RATED PARTITION
 - NEW 2 HOUR FIRE RATED PARTITION
- FLOOR PLAN CODED NOTES**
- REMOVE EXISTING EXIT SIGN, COORDINATE WITH OWNER TO SALVAGE.
 - RELOCATED EXIT SIGN FROM ABOVE DOOR S101A, TO WALL OVER DOOR 101
 - PROVIDE SIGN THAT STATES: "ROOF ACCESS STAIR". MOUNT ON DOOR.
 - NEW CARD READER IN EXISTING BOX.
 - EXISTING REQUEST TO EXIT (RTE) TO REMAIN. TIE INTO NEW SECURITY SYSTEM. REPLACE DEVICE AS REQUIRED TO SYNCHRONIZE WITH NEW SYSTEM.
 - NEW CARD READER IN NEW WALL MOUNTED BOX. CONDUIT TO BE RUN INSIDE WALL. REPAIR & PATCH INSIDE AND OUTSIDE TO MATCH EXISTING.
 - REMOVE EXISTING MAGNETIC LOCK AND RTE. DEMO EXISTING WALL MOUNTED ELEC. BOX. REPAIR WALL AND FILL SCREW HOLES TO SMOOTH FINISH. PAINT TO MATCH.
 - EXTEND POWER TO NEW FENCE LOCATION IN UNDERGROUND CONDUIT. DEMO AND REPLACE CONCRETE TO MATCH EXISTING.

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 FOR
Metropolitan Development and Housing Agency

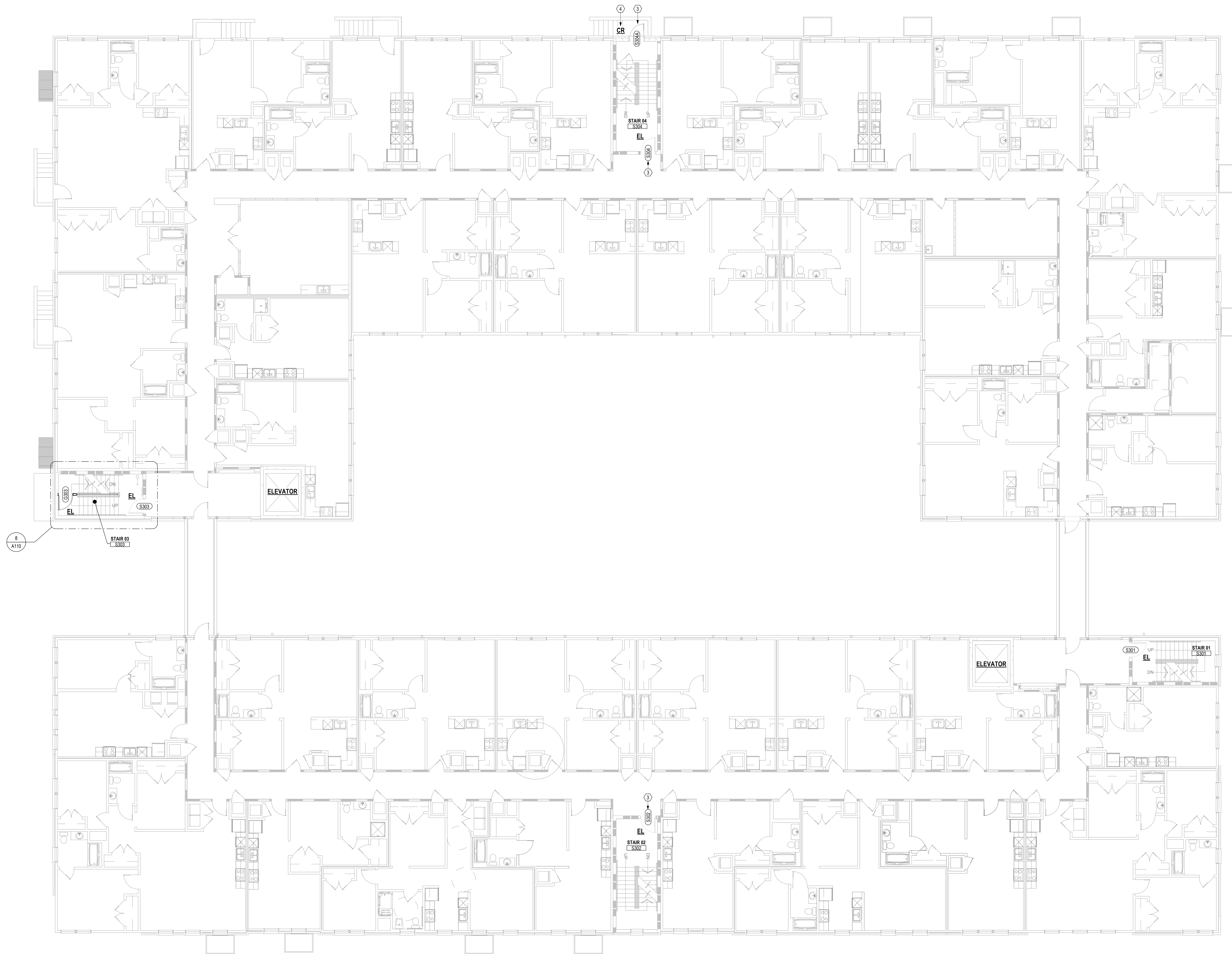
1625 BROADWAY
 4TH FLOOR
 NASHVILLE, TN 37203
 PHONE: (615) 386-9690
 FAX: (615) 386-0528

1 PLAN OVERALL SECOND FLOOR PLAN
 1/8" = 1'-0"



DRAWING TITLE:
LEVEL 02 - FLOOR PLAN - OVERALL

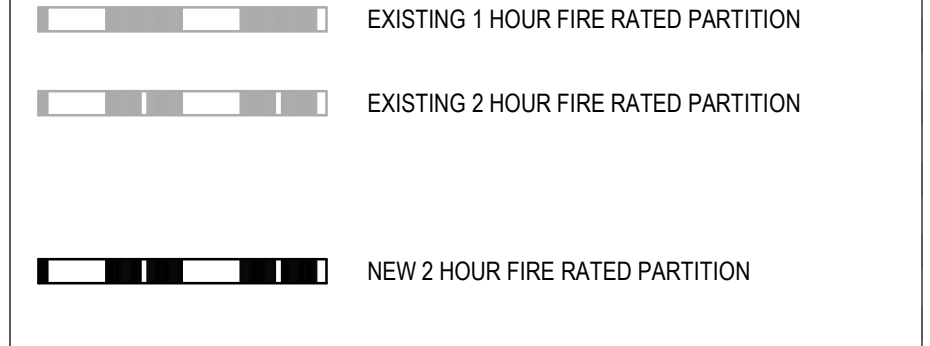
03/09/20
 DRAWN BY: JT CHECKED BY: AL
 18560.02
A102
 Construction Documents



FLOOR PLAN GENERAL NOTES

- ALL DIMENSIONS ARE TO FACE OF WALL UNLESS NOTED OTHERWISE.
 - PROVIDE CARD READERS IN THE (2) EXISTING ELEVATORS.
- ### - DOOR TAG, SEE SCHEDULE ON SHEET A701 FOR INFORMATION
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RATED WALL LEGEND



FLOOR PLAN CODED NOTES

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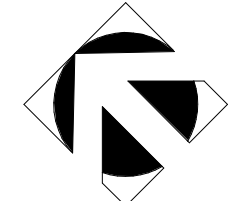
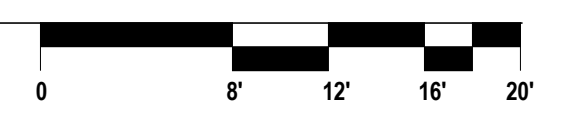
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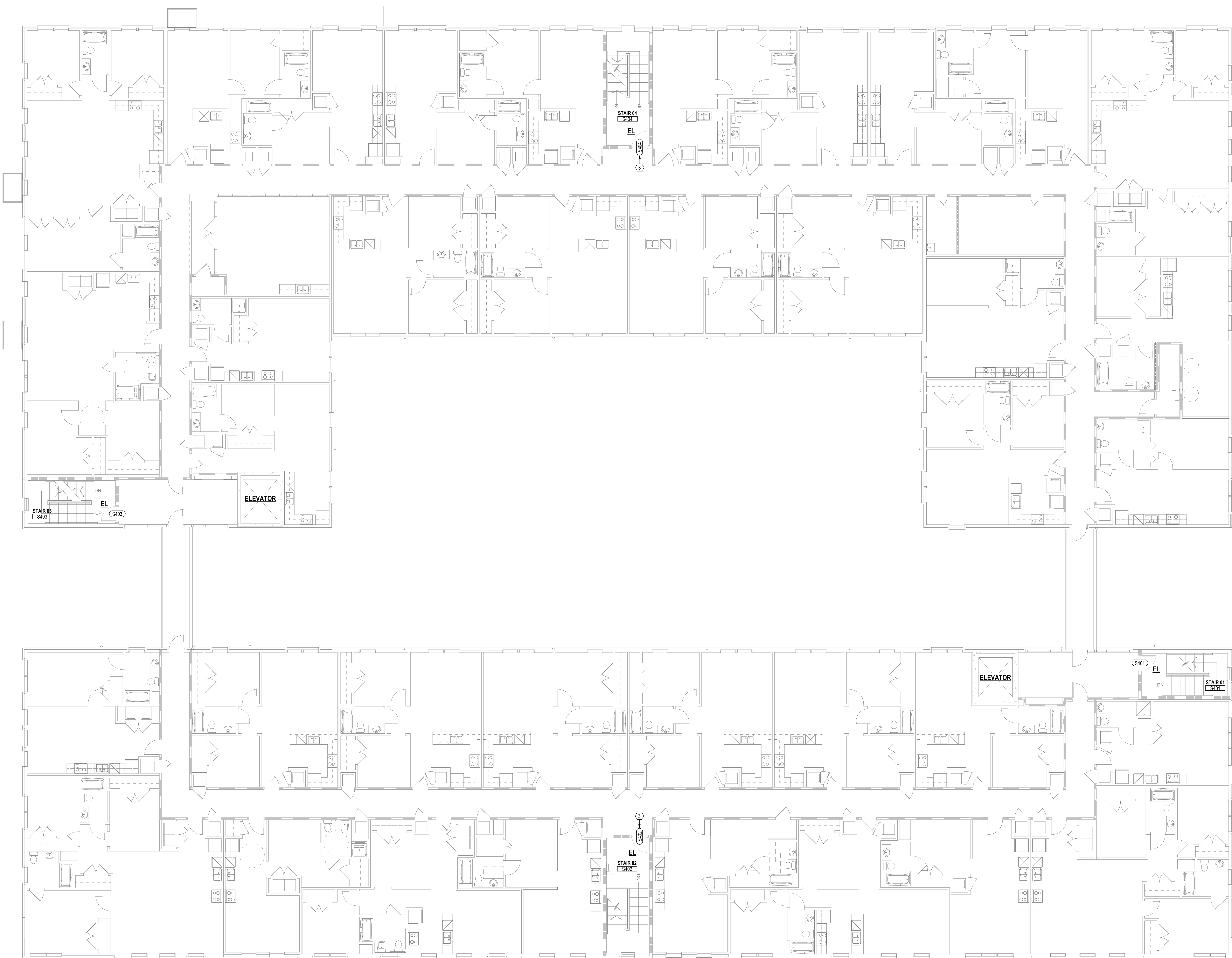
1625 BROADWAY
 4TH FLOOR
 NASHVILLE, TN 37203
 PHONE: (615) 386-9690
 FAX: (615) 386-0528

DRAWING TITLE: LEVEL 03 - FLOOR PLAN - OVERALL

03/09/20
 DRAWN BY: JT CHECKED BY: AL
 18560.02
A103
 Construction Documents

1 PLAN OVERALL THIRD FLOOR PLAN
1/8" = 1'-0"

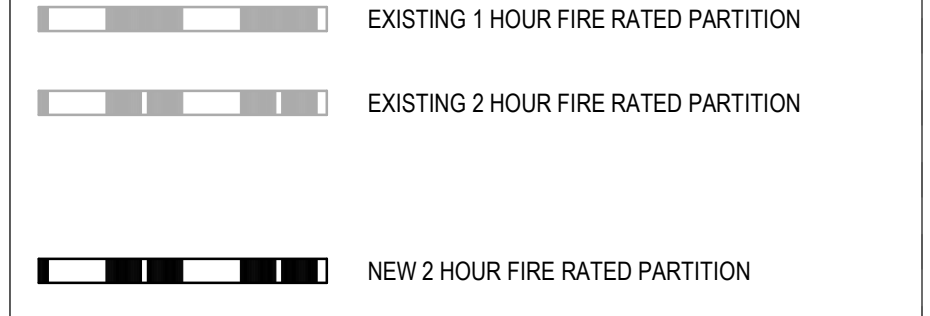




FLOOR PLAN GENERAL NOTES

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 2. PROVIDE CARD READERS IN THE (2) EXISTING ELEVATORS.
- ### - DOOR TAG, SEE SCHEDULE ON SHEET A701 FOR INFORMATION
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RATED WALL LEGEND



FLOOR PLAN CODED NOTES

1. REMOVE EXISTING EXIT SIGN, COORDINATE WITH OWNER TO SALVAGE.
2. RELOCATED EXIT SIGN FROM ABOVE DOOR S101A, TO WALL OVER DOOR 101
3. PROVIDE SIGN THAT STATES: "ROOF ACCESS STAIR". MOUNT ON DOOR.
4. NEW CARD READER IN EXISTING BOX.
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#	DATE	CHANGE DESCRIPTION

Nance Place Security Upgrades
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 FOR
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1625 BROADWAY
 4TH FLOOR
 NASHVILLE, TN 37203

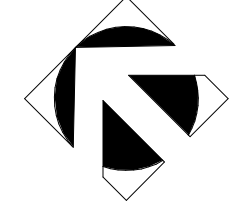
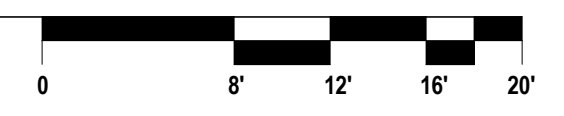
PHONE: (615) 386-9690
 FAX: (615) 386-0528

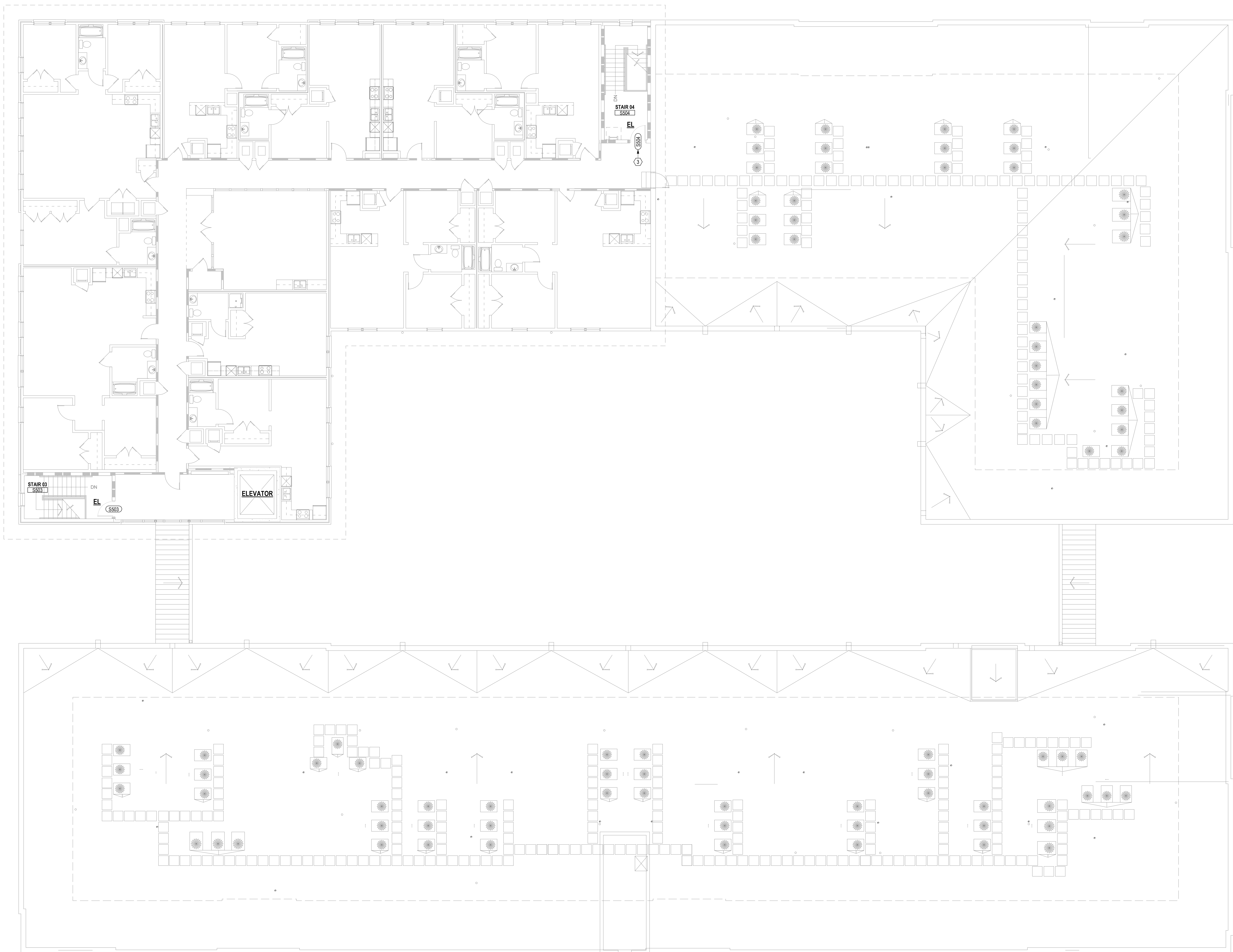
MOODY-NOLAN

DRAWING TITLE:
LEVEL 04 - FLOOR PLAN - OVERALL

03/09/20
 DRAWN BY: JT CHECKED BY: AL
 18560.02
A104
 Construction Documents

1 PLAN OVERALL FOURTH FLOOR
 1/8" = 1'-0"





FLOOR PLAN GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF WALL UNLESS NOTED OTHERWISE;
2. PROVIDE CARD READERS IN THE (2) EXISTING ELEVATORS.

- ### - DOOR TAG, SEE SCHEDULE ON SHEET A701 FOR INFORMATION
 CR - CARD READER
 RTE - REQUEST TO EXIT
 EL - ELECTRONIC SELF-CONTAINED LOCKSET

RATED WALL LEGEND

- EXISTING 1 HOUR FIRE RATED PARTITION
- EXISTING 2 HOUR FIRE RATED PARTITION
- NEW 2 HOUR FIRE RATED PARTITION

FLOOR PLAN CODED NOTES

1. REMOVE EXISTING EXIT SIGN, COORDINATE WITH OWNER TO SALVAGE.
2. RELOCATED EXIT SIGN FROM ABOVE DOOR S101A, TO WALL OVER DOOR 101
3. PROVIDE SIGN THAT STATES "ROOF ACCESS STAIR" MOUNT ON DOOR.
4. NEW CARD READER IN EXISTING BOX.
5. EXISTING REQUEST TO EXIT (RTE) TO REMAIN. TIE INTO NEW SECURITY SYSTEM. REPLACE DEVICE AS REQUIRED TO SYNCHRONIZE WITH NEW SYSTEM.
6. NEW CARD READER IN NEW WALL MOUNTED BOX. CONDUIT TO BE RUN INSIDE WALL. REPAIR & PATCH INSIDE AND OUTSIDE TO MATCH EXISTING.
7. REMOVE EXISTING MAGNETIC LOCK AND RTE. DEMO EXISTING WALL MOUNTED ELEC. BOX. REPAIR WALL AND FILL SCREW HOLES TO SMOOTH FINISH. PAINT TO MATCH.
8. EXTEND POWER TO NEW FENCE LOCATION IN UNDERGROUND CONDUIT. DEMO AND REPLACE CONCRETE TO MATCH EXISTING.

#	DATE	CHANGE DESCRIPTION

Nance Place Security Upgrades
 8 Academy Place, Site S-200, Nashville, TN 37210
 FOR
Metropolitan Development and Housing Agency

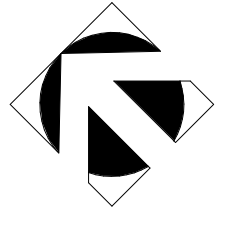
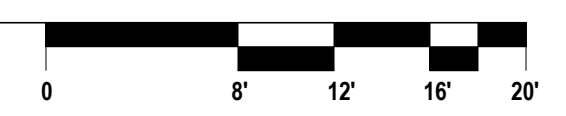
MOODY-NOLAN
 1625 BROADWAY
 4TH FLOOR
 NASHVILLE, TN 37203
 PHONE: (615) 386-9690
 FAX: (615) 386-0528

LEVEL 05 - FLOOR PLAN - OVERALL

DRAWING TITLE:
LEVEL 05 - FLOOR PLAN - OVERALL

03/09/20
 DRAWN BY: JT CHECKED BY: AL
 18560.02
A105
 Construction Documents

1 PLAN OVERALL FIFTH FLOOR
 1/8" = 1'-0"



GENERAL NOTES - ENLARGED PLANS

- ALL DIMENSIONS ARE TO FACE OF WALL (UNLESS NOTED OTHERWISE).
- PATCH / REPAIR ALL DAMAGE INCURRED DURING DEMOLITION. RESTORE TO ORIGINAL INTEGRITY.

- ### - DOOR TAG, SEE SCHEDULE ON SHEET A701 FOR INFORMATION
- CR - CARD READER
- ⊕ - NEWRELOCATED EXIT SIGN
- RTE - REQUEST TO EXIT
- EL - ELECTRONIC SELF-CONTAINED LOCKSET

RATED WALL LEGEND

- EXISTING 1 HOUR FIRE RATED PARTITION
- EXISTING 2 HOUR FIRE RATED PARTITION
- NEW 1 HOUR FIRE RATED PARTITION
- NEW 2 HOUR FIRE RATED PARTITION

CODED NOTES - ENLARGED PLANS

- NEW STAIR EGRESS GATE TO MATCH OTHER EXISTING GATES
- RELOCATED EXIT SIGN FROM ABOVE DOOR S101A, TO WALL OVER DOOR 101
- NEW ORNAMENTAL FENCE AND GATE - PRE-FINISHED METAL TO MATCH EXISTING.

#	DATE	CHANGE DESCRIPTION

Nance Place Security Upgrades
 8 Academy Place, Ste S-200, Nashville, TN 37210
 FOR
Metropolitan Development and Housing Agency

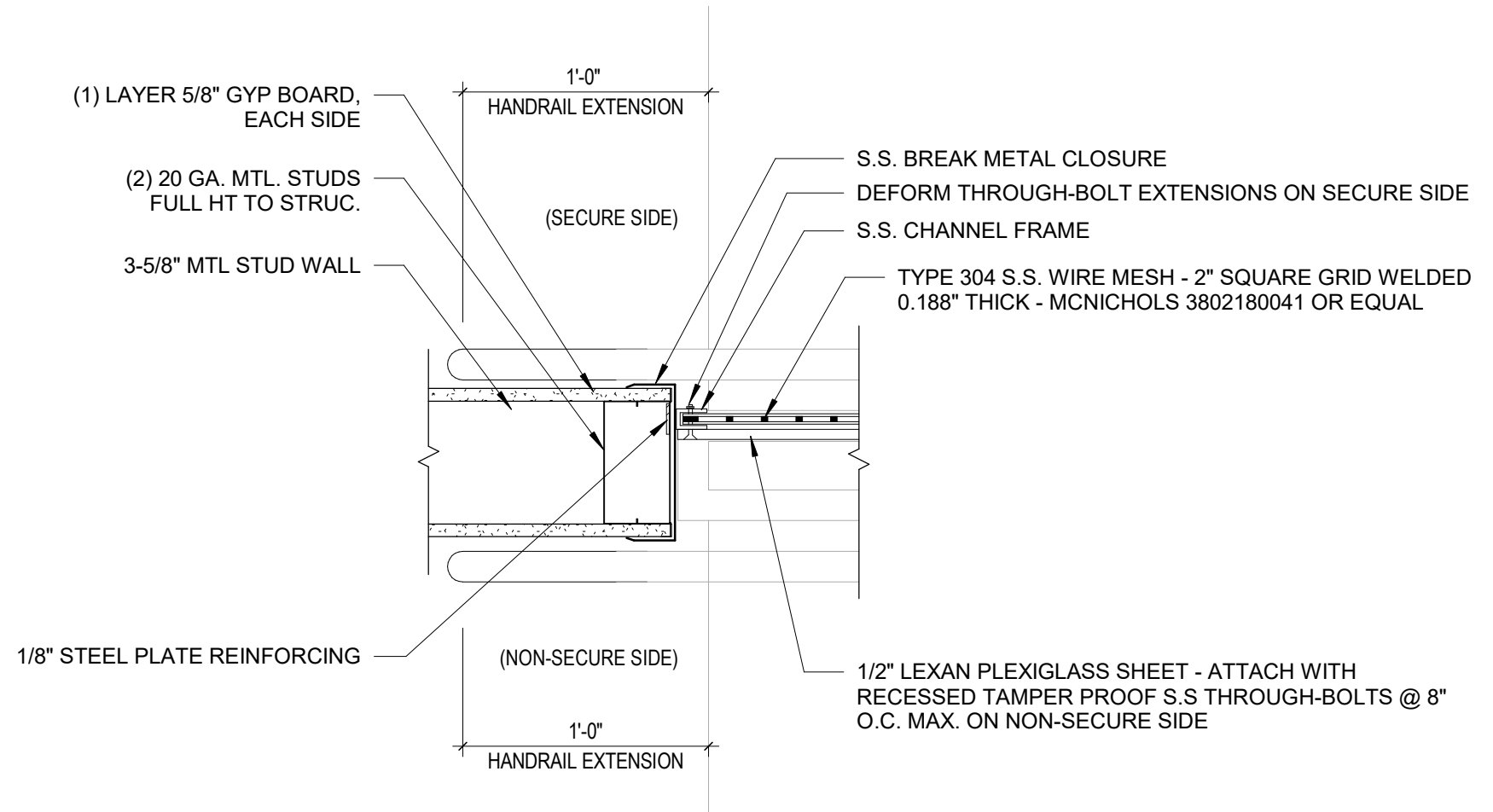
1625 BROADWAY
 4TH FLOOR
 NASHVILLE, TN 37203
 PHONE: (615) 386-9690
 FAX: (615) 386-0528

MOODY-NOLAN

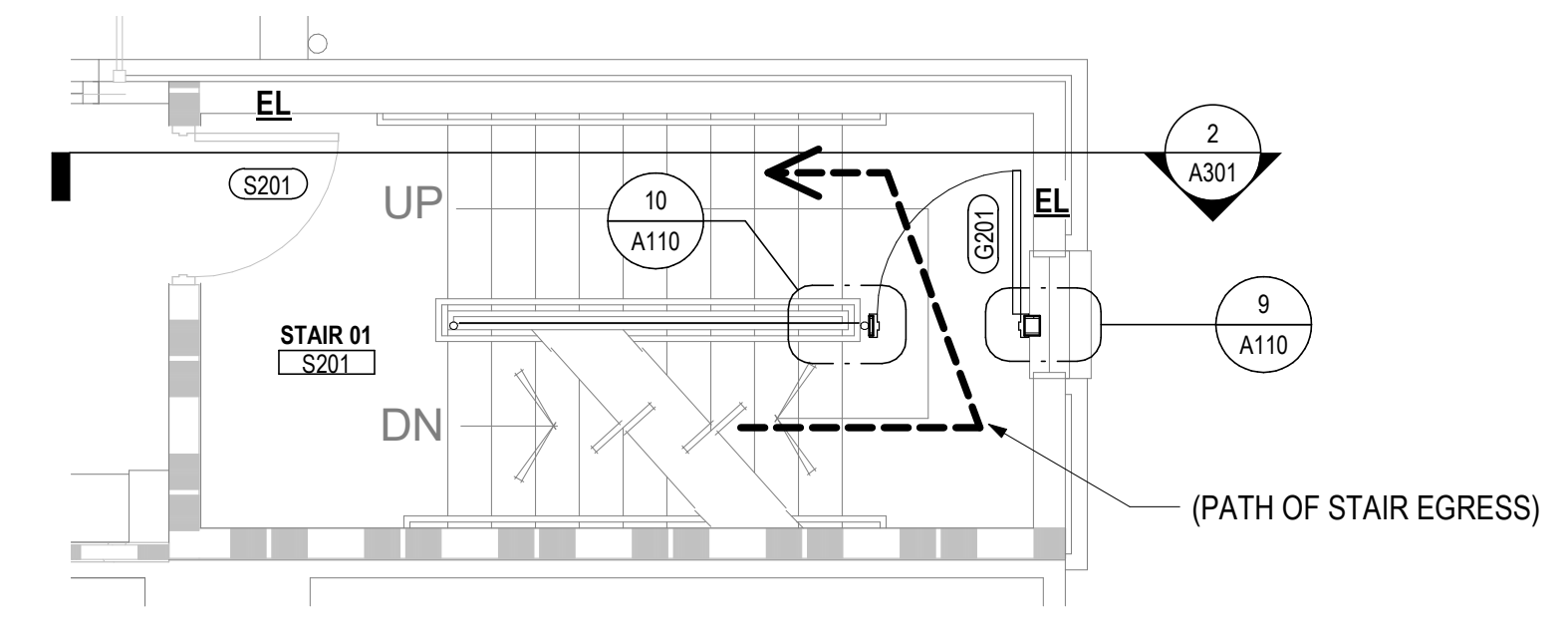
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ENLARGED PLANS

BRIAN TIBBS
 REGISTERED ARCHITECT
 No. 104134
 STATE OF TENNESSEE

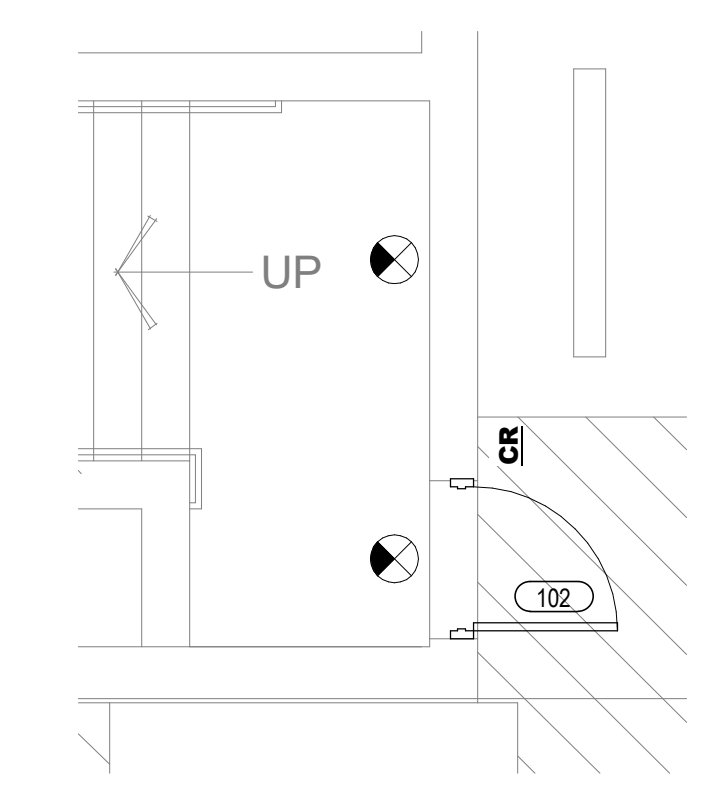
03/09/20
 DRAWN BY: JT CHECKED BY: AL
 18560.02
A110
 Construction Documents



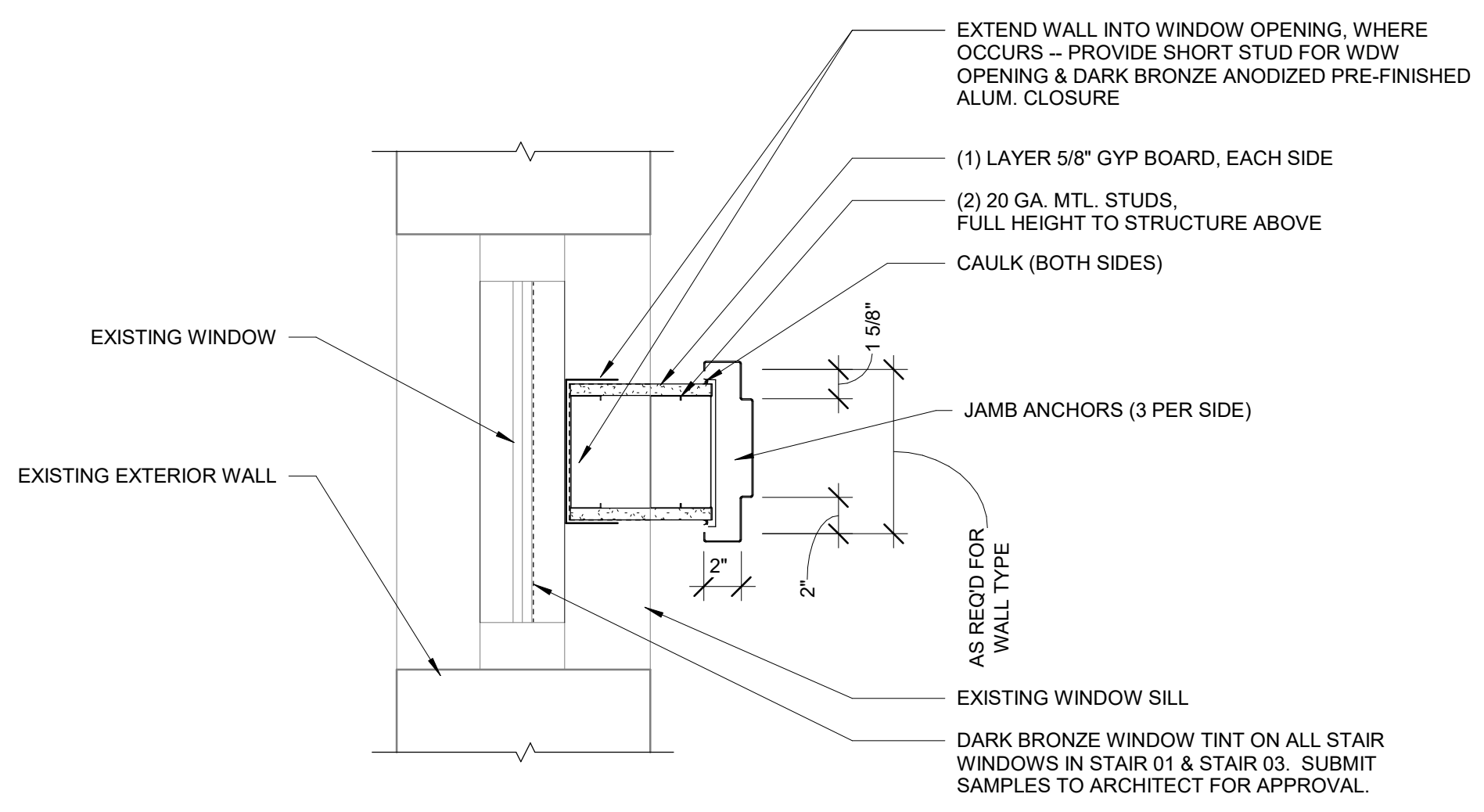
10 DETAIL SECURITY STAIR MESH SCREEN JAMB
 1 1/2" = 1'-0"
 REF: 6 / A110



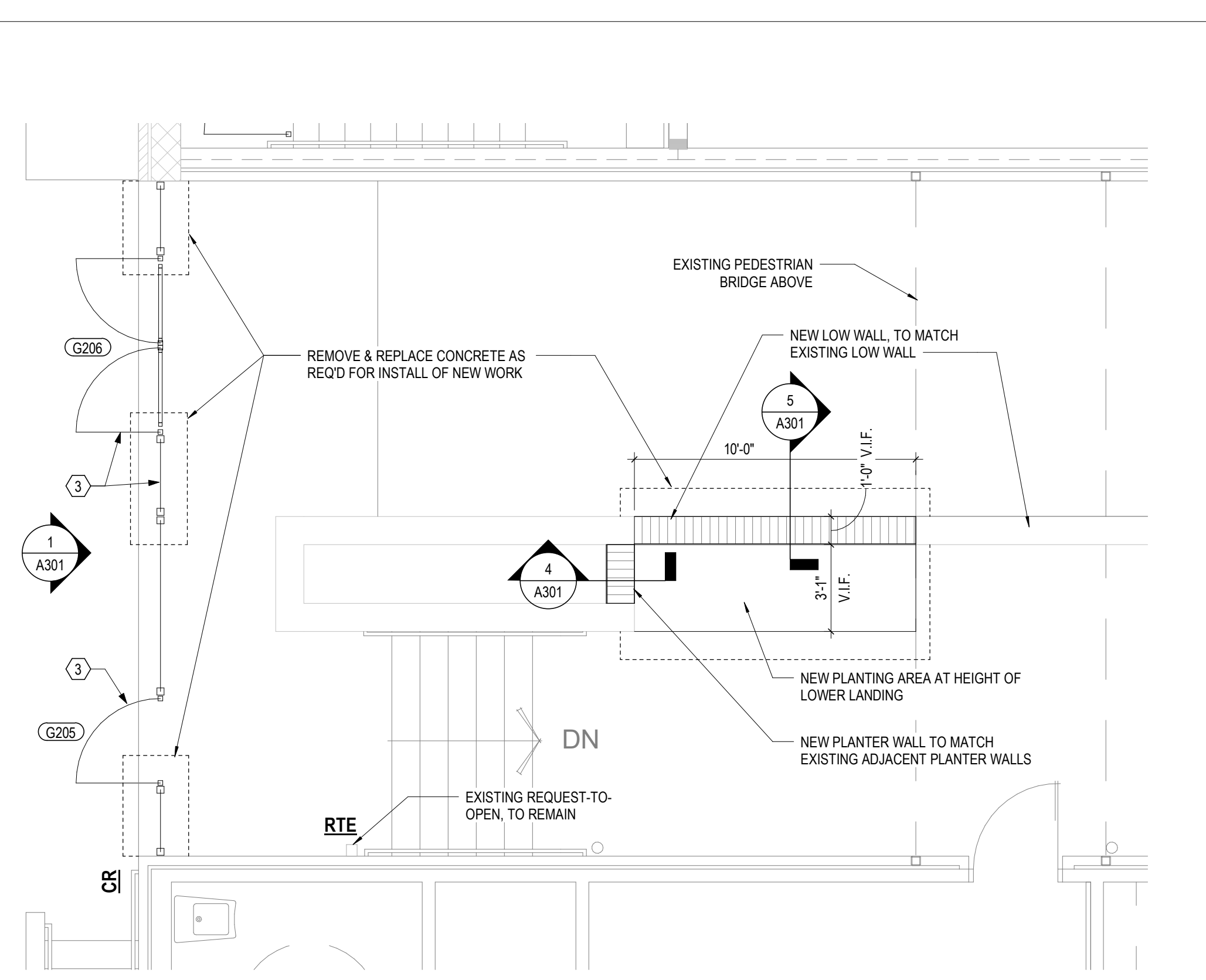
6 PLAN ENLARGED STAIR 01 - LEVEL 2
 1/4" = 1'-0"



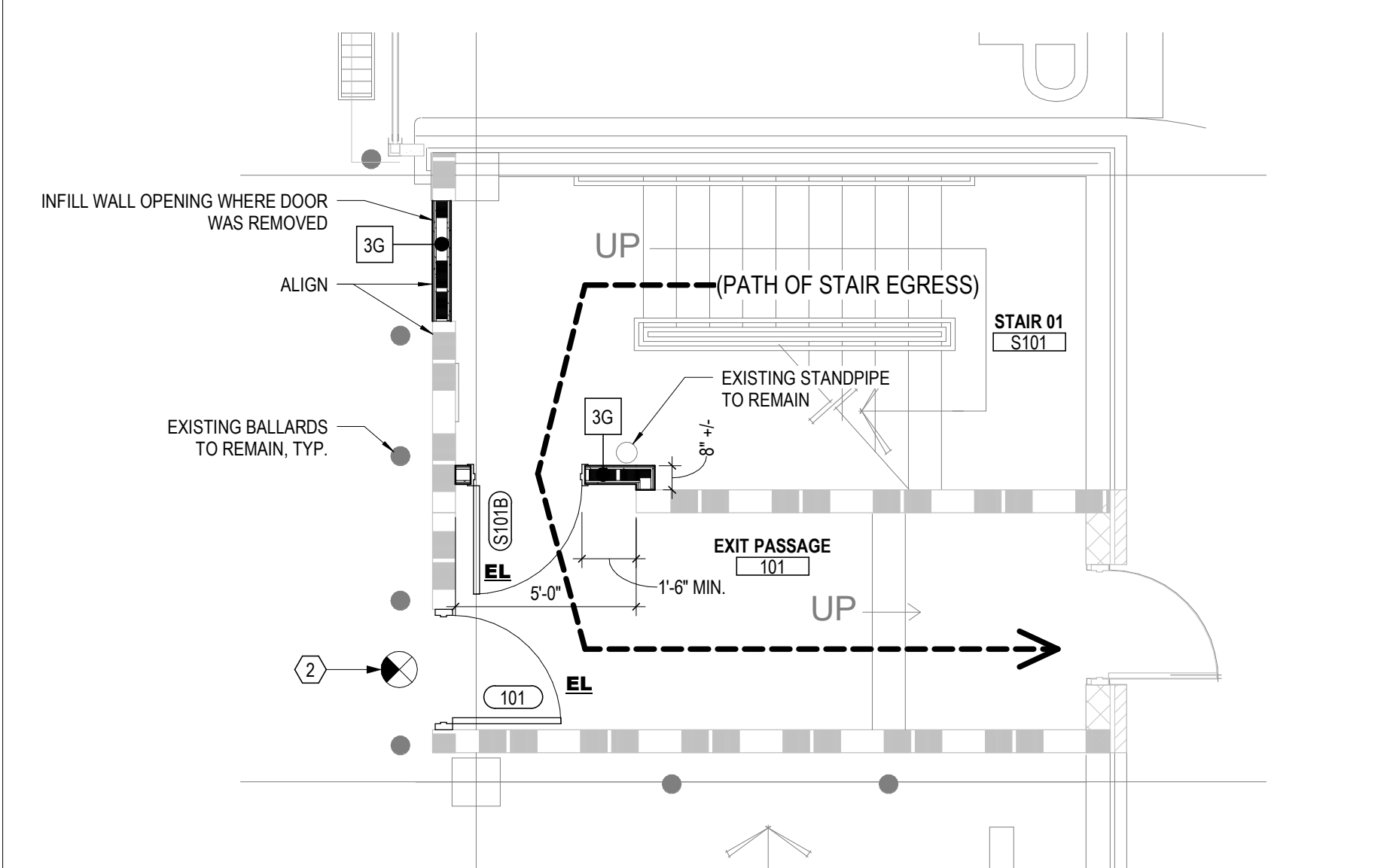
3 PLAN LEVEL 01 - COURTYARD EXIT
 1/4" = 1'-0"



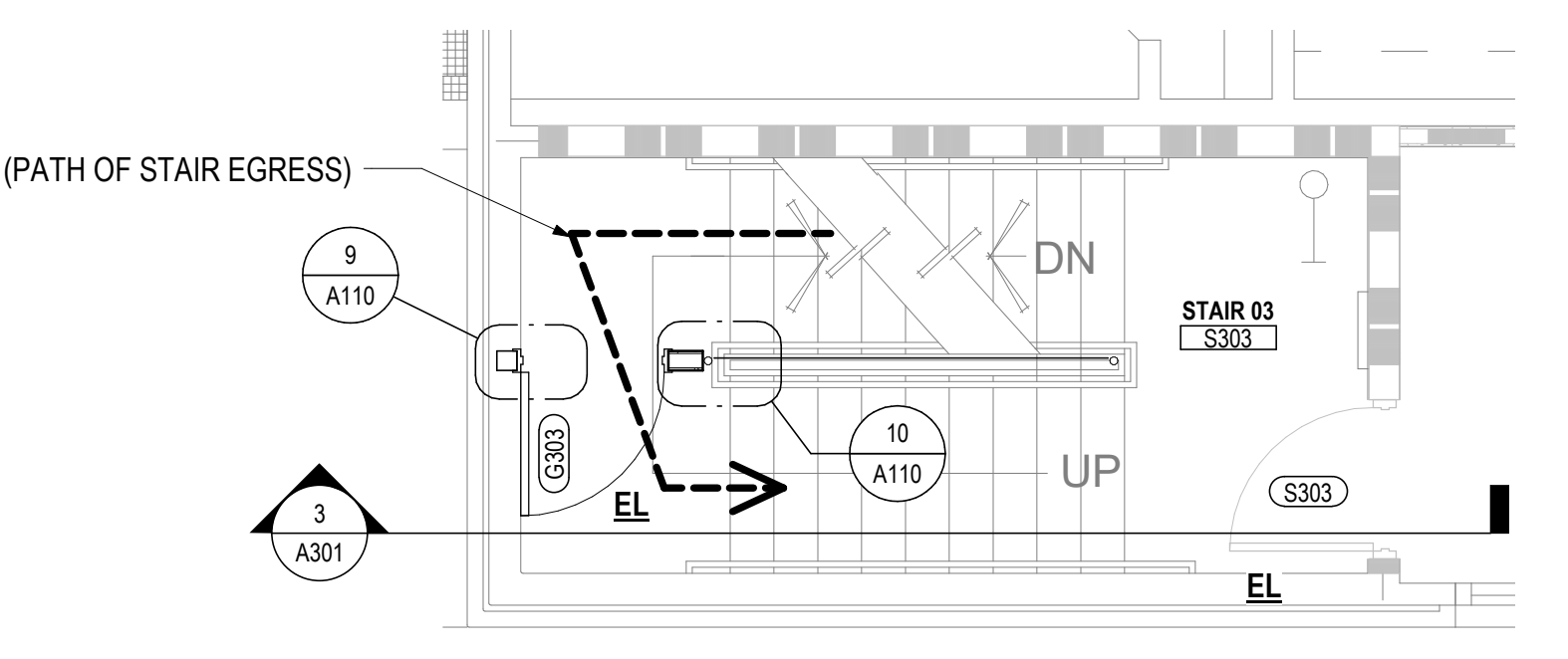
9 DETAIL SECURITY STAIR DOOR - JAMB @ WDW
 1 1/2" = 1'-0"
 REF: 6 / A110



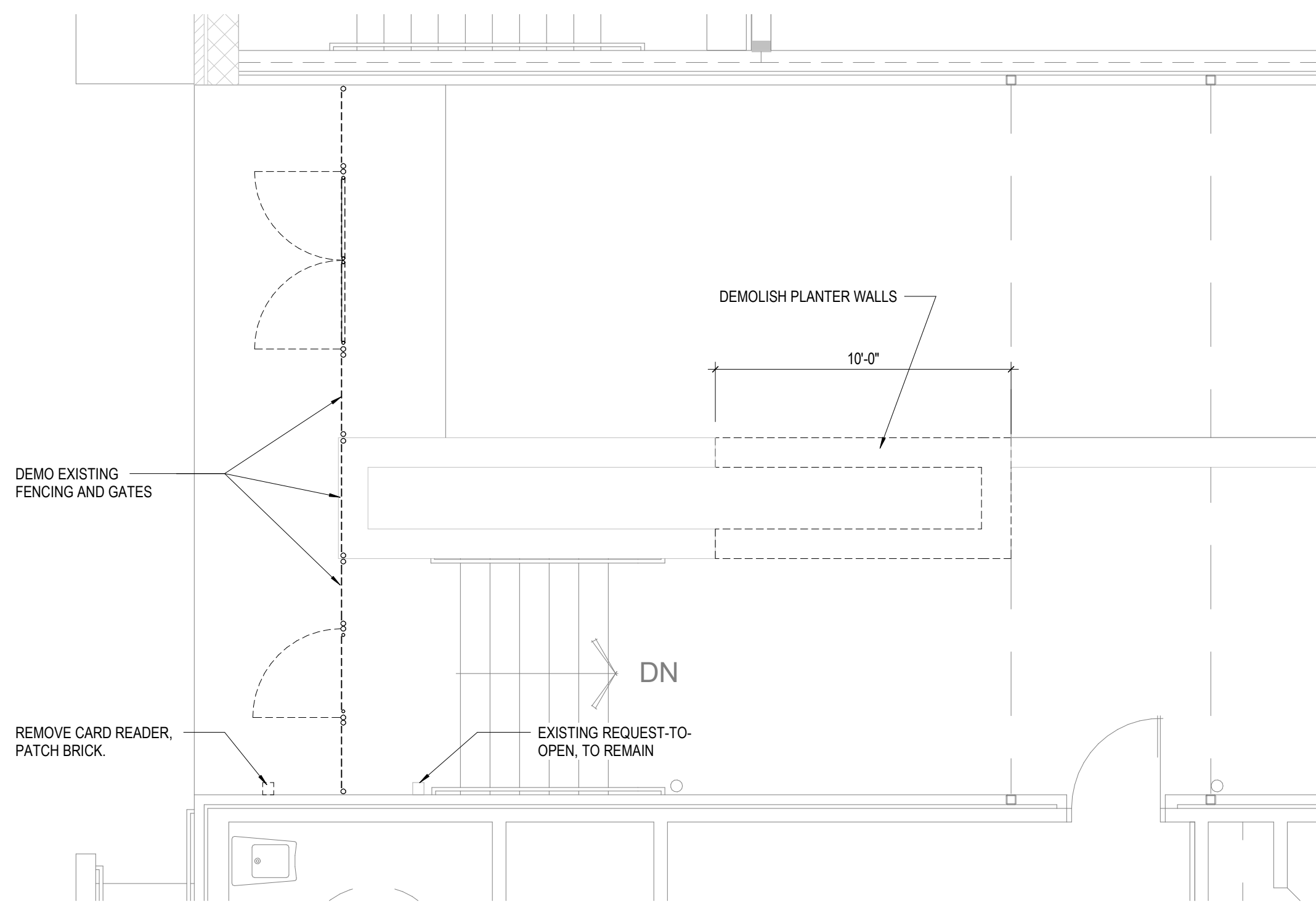
5 PLAN ENLARGED COURTYARD ENTRY GATE
 1/4" = 1'-0"



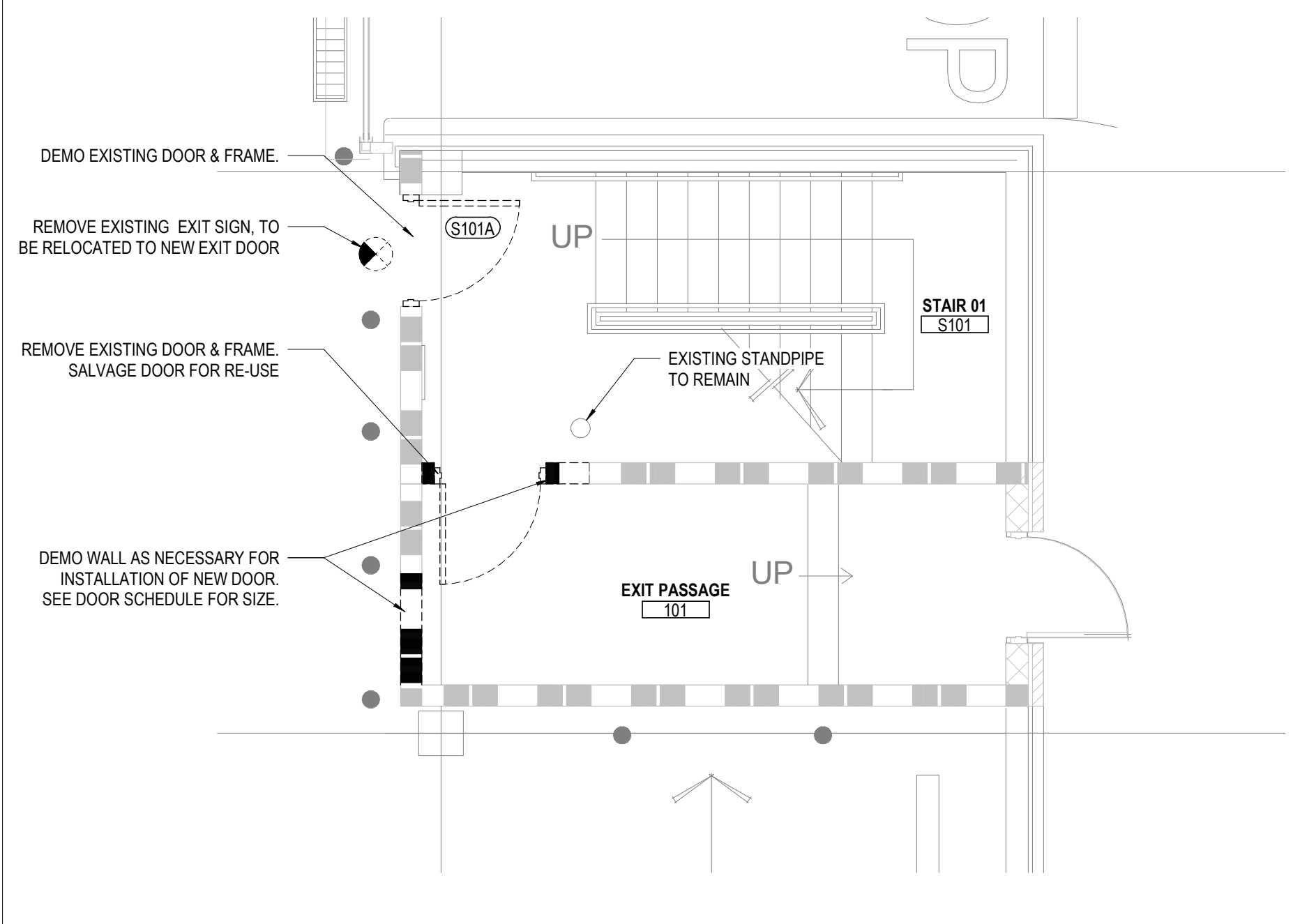
2 PLAN ENLARGED STAIR 01 & VESTIBULE
 1/4" = 1'-0"



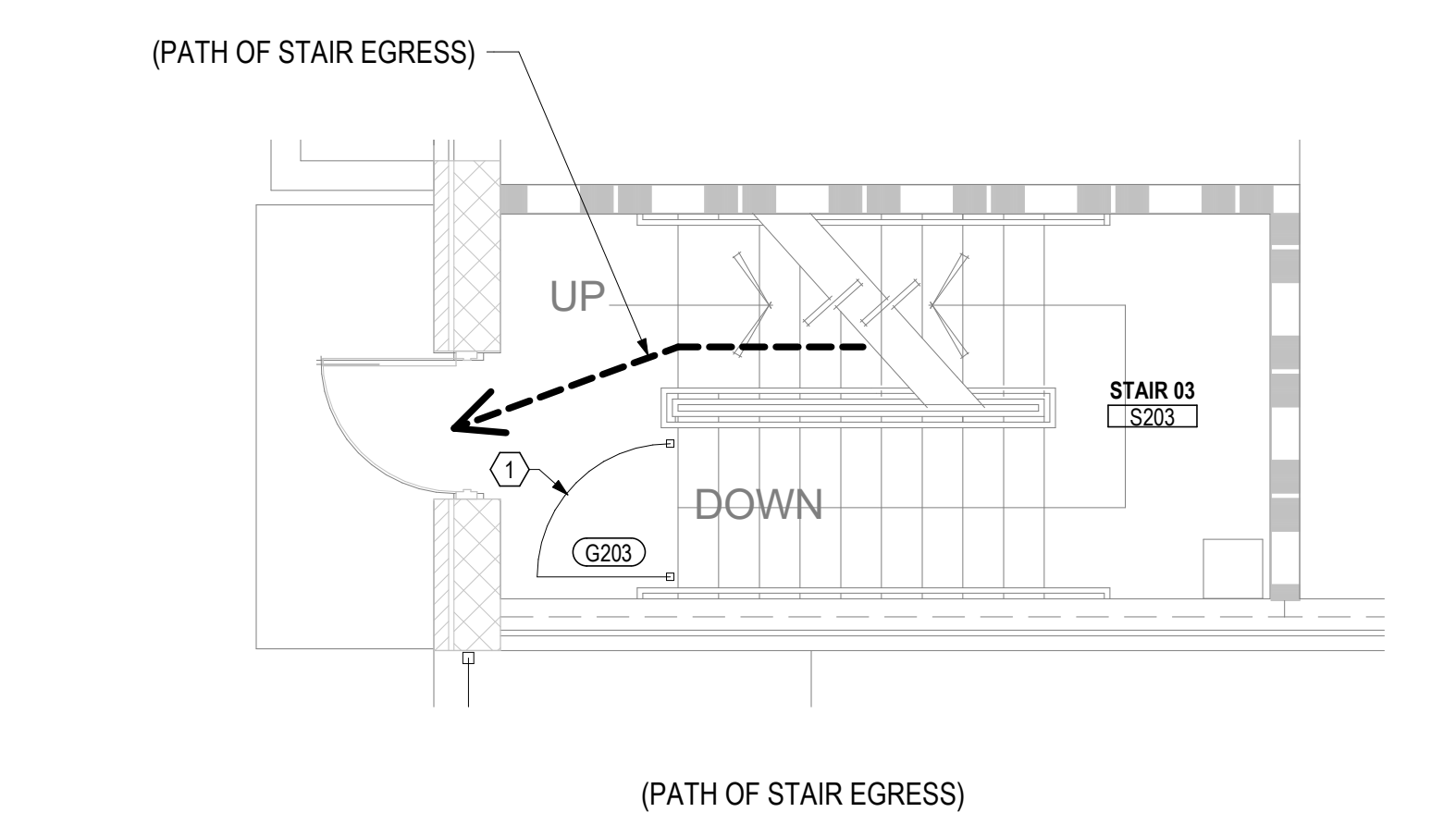
8 PLAN ENLARGED STAIR 03 - LEVEL 03
 1/4" = 1'-0"



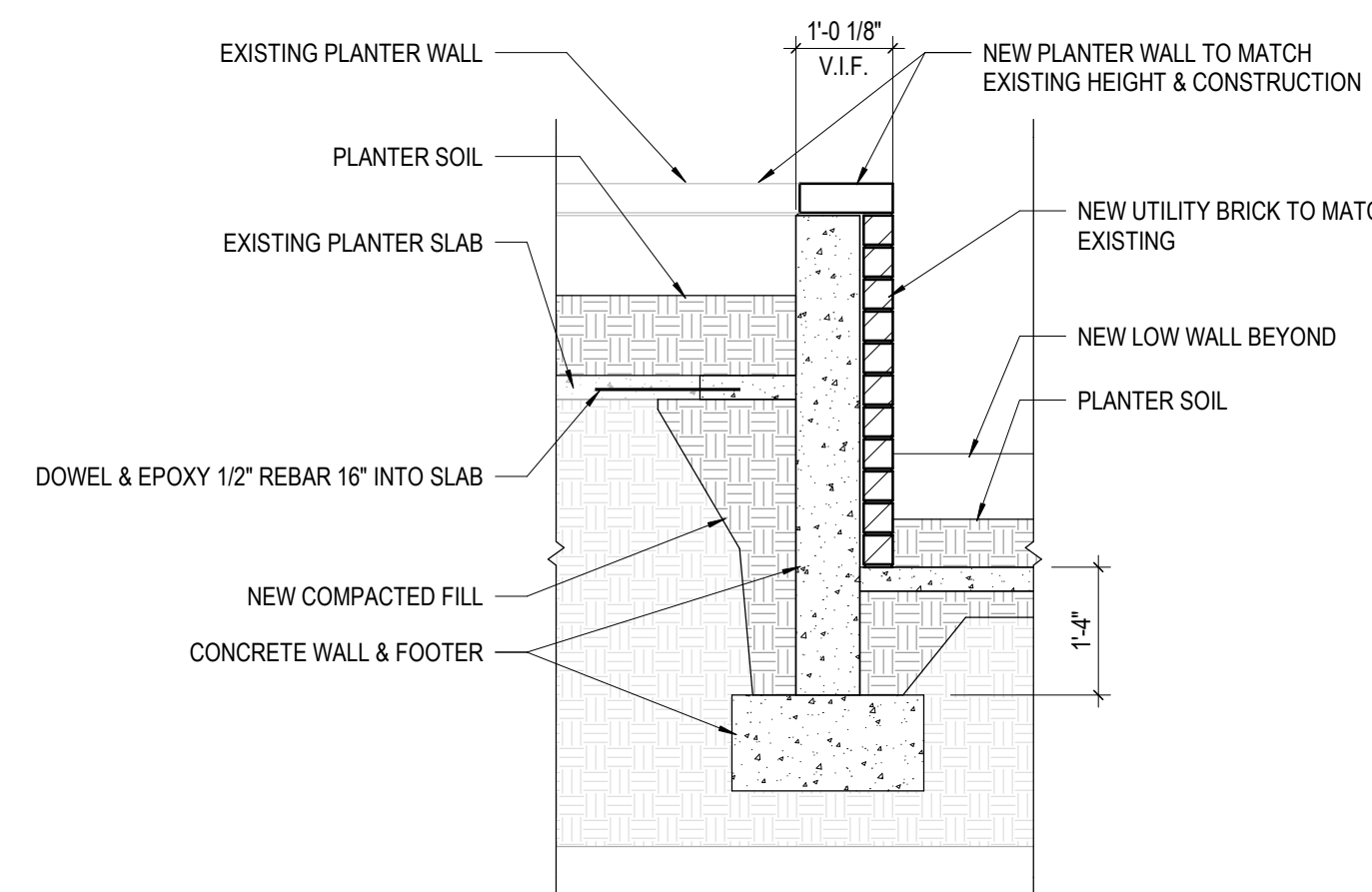
4 PLAN OVERALL SECOND FLOOR DEMOLITION PLAN
 1/4" = 1'-0"



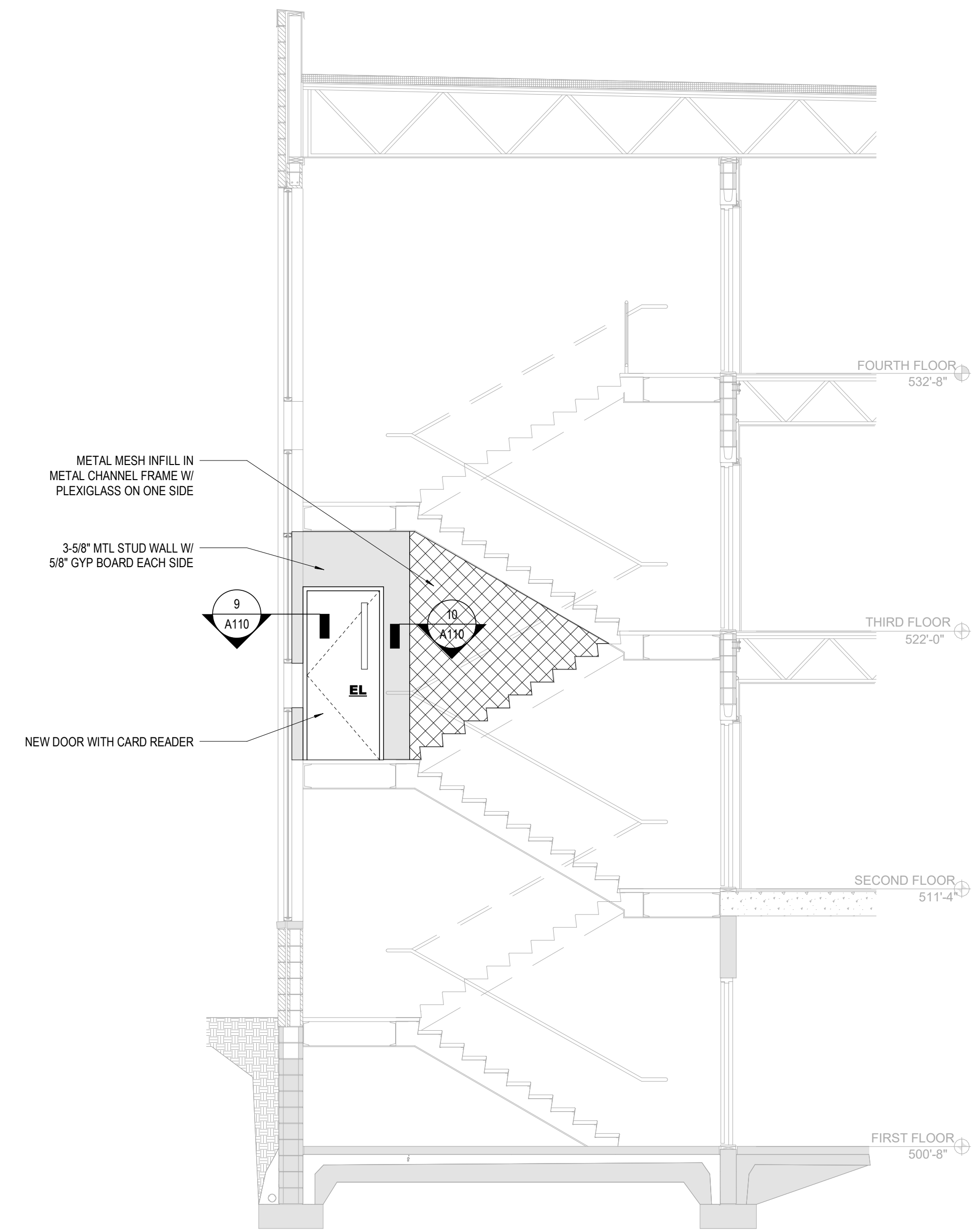
1 PLAN ENLARGED STAIR 01 & VESTIBULE - DEMOLITION
 1/4" = 1'-0"



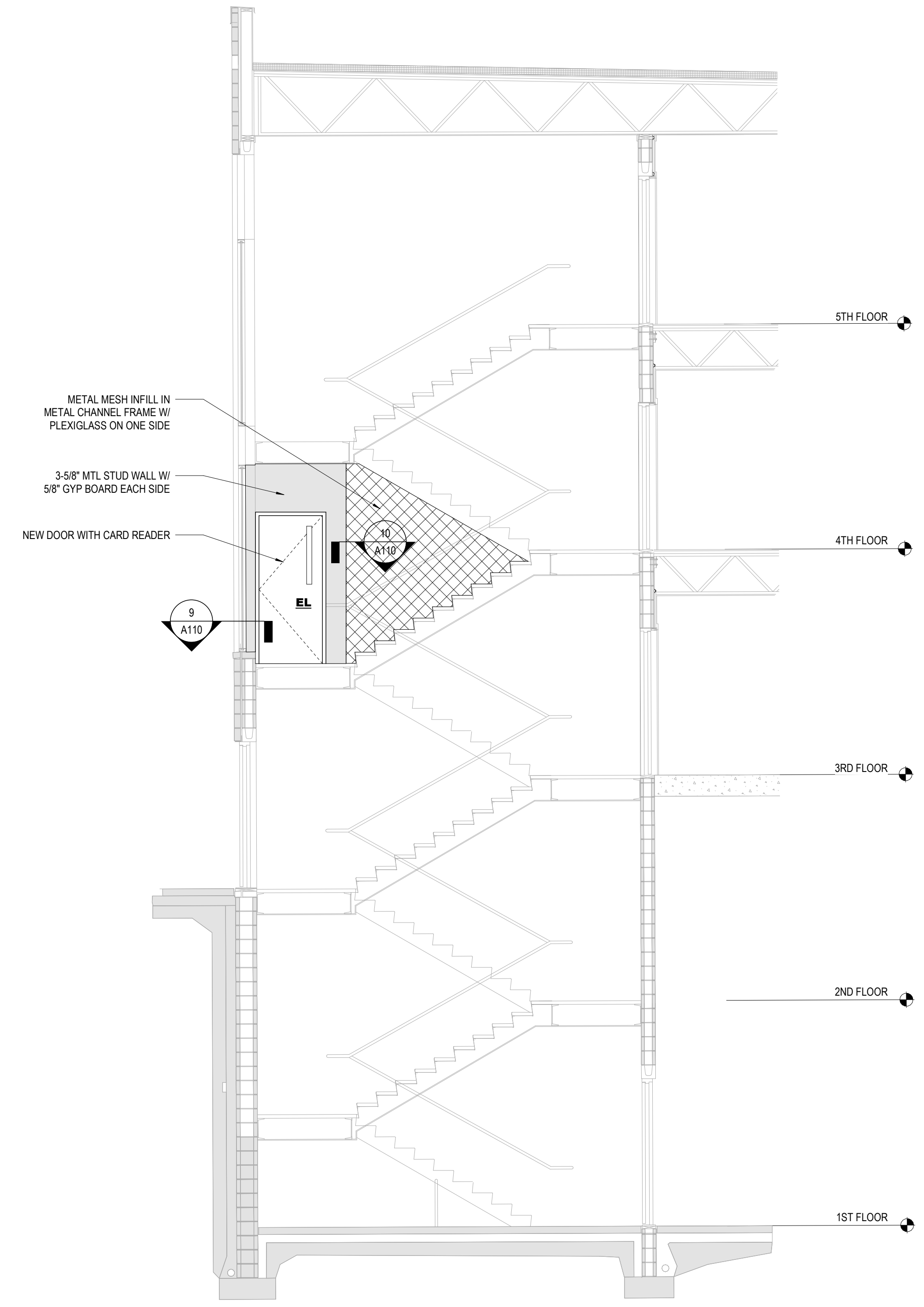
7 PLAN ENLARGED STAIR 03 - LEVEL 2
 1/4" = 1'-0"



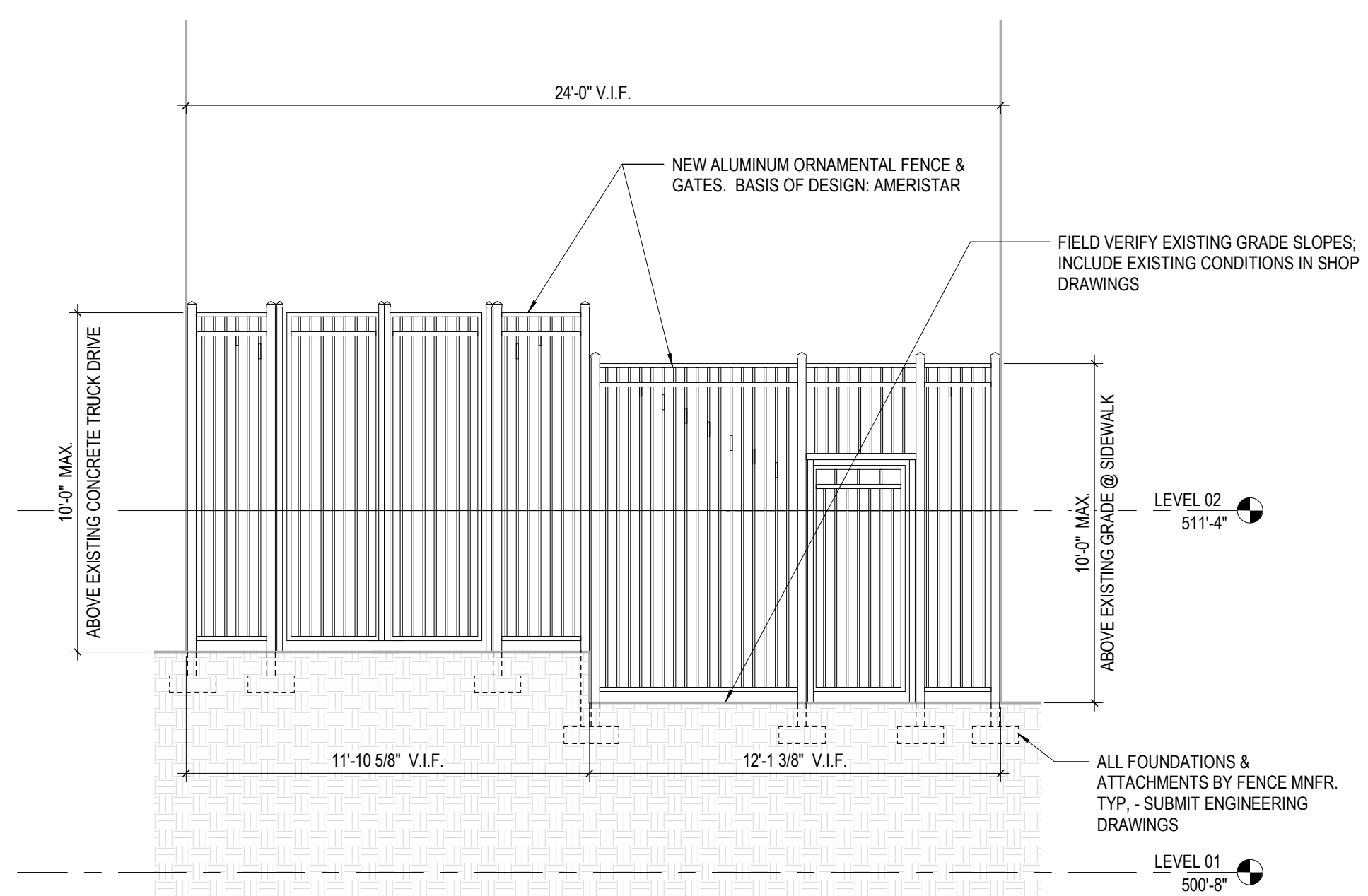
4 SECTION THROUGH TALL PLANTER
1/2" = 1'-0" REF: 5 / A110



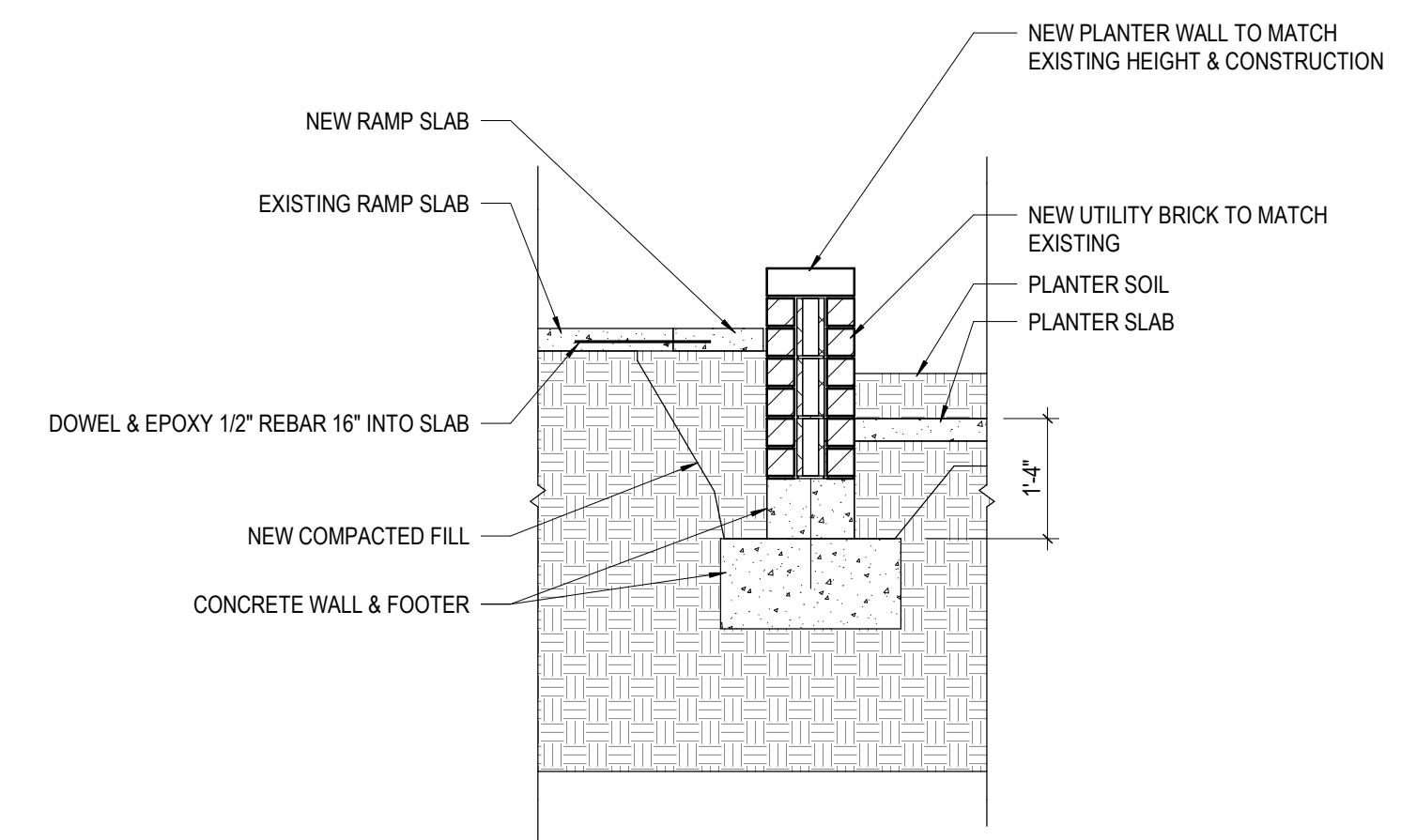
2 SECTION STAIR 01 - LEVEL 2 GATE
1/4" = 1'-0" REF: 6 / A110



3 SECTION STAIR 03 - LEVEL 3 GATE
1/4" = 1'-0" REF: 8 / A110



1 ELEVATION ORNAMENTAL FENCE @ COURTYARD ENTRY
1/4" = 1'-0" REF: 5 / A110



5 SECTION THROUGH LOW PLANTER WALL
1/2" = 1'-0" REF: 5 / A110

#	DATE	CHANGE DESCRIPTION

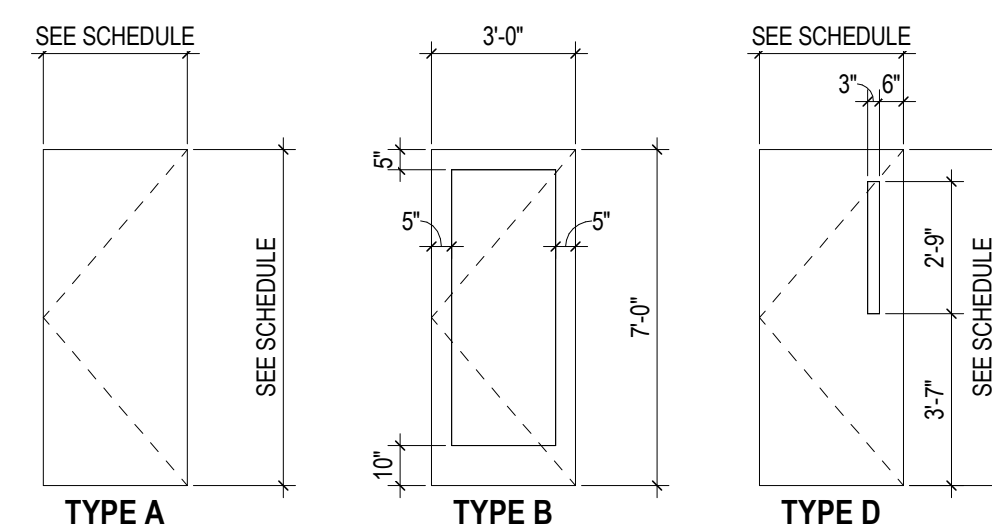
Nance Place Security Upgrades
FOR
Metropolitan Development and Housing Agency

1625 BROADWAY
4TH FLOOR
NASHVILLE, TN 37203
PHONE: (615) 386-9690
FAX: (615) 386-0528

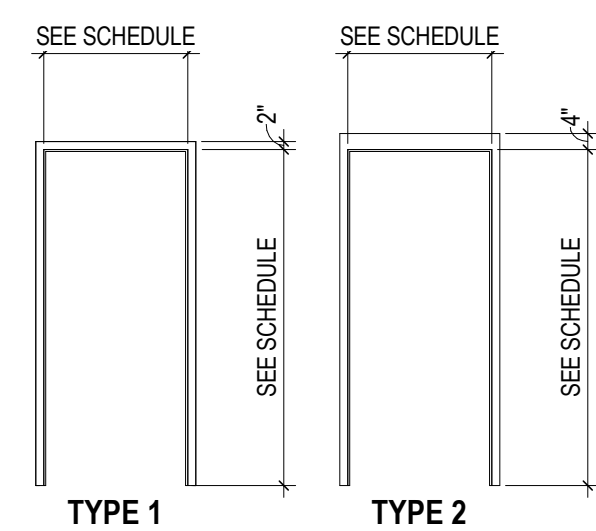
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03/09/20
DRAWN BY: JT CHECKED BY: AL
18560.02
A301
Construction Documents

DOOR PANEL TYPE LEGEND

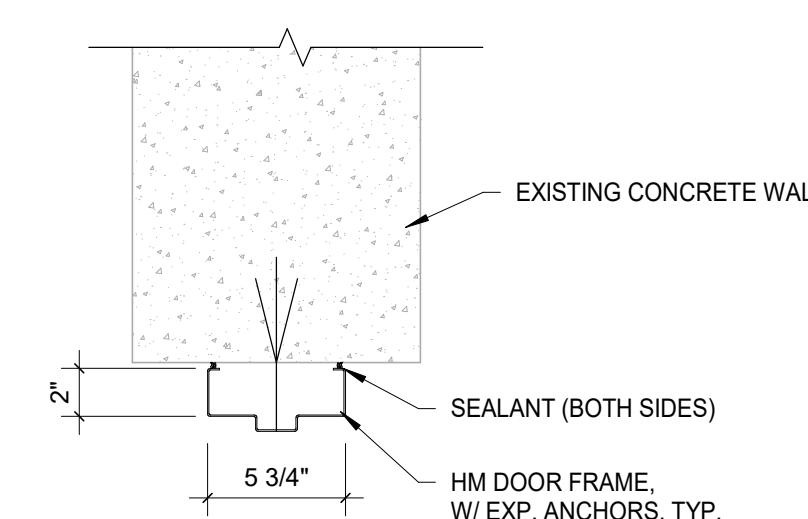
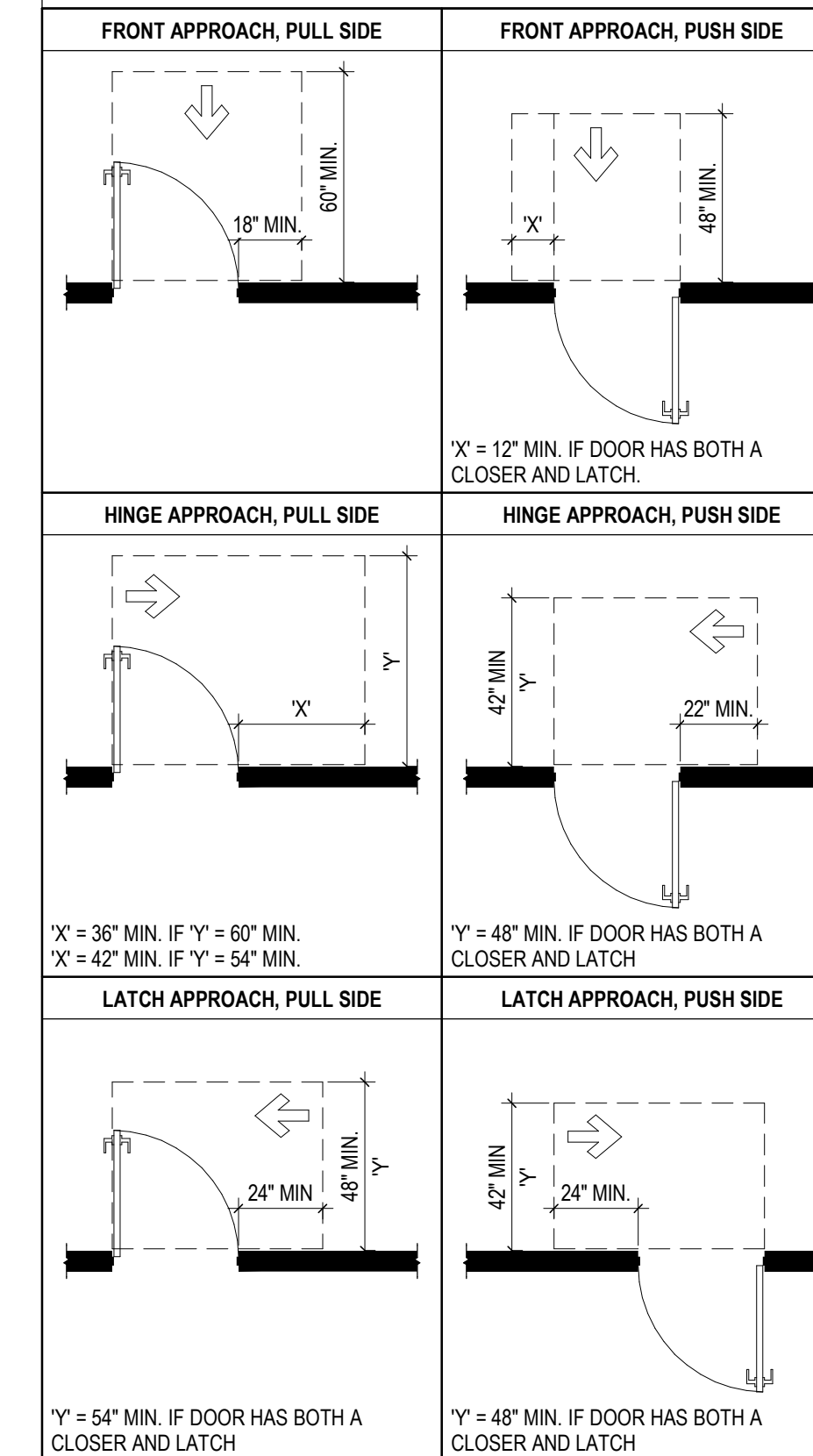


DOOR FRAME TYPE LEGEND

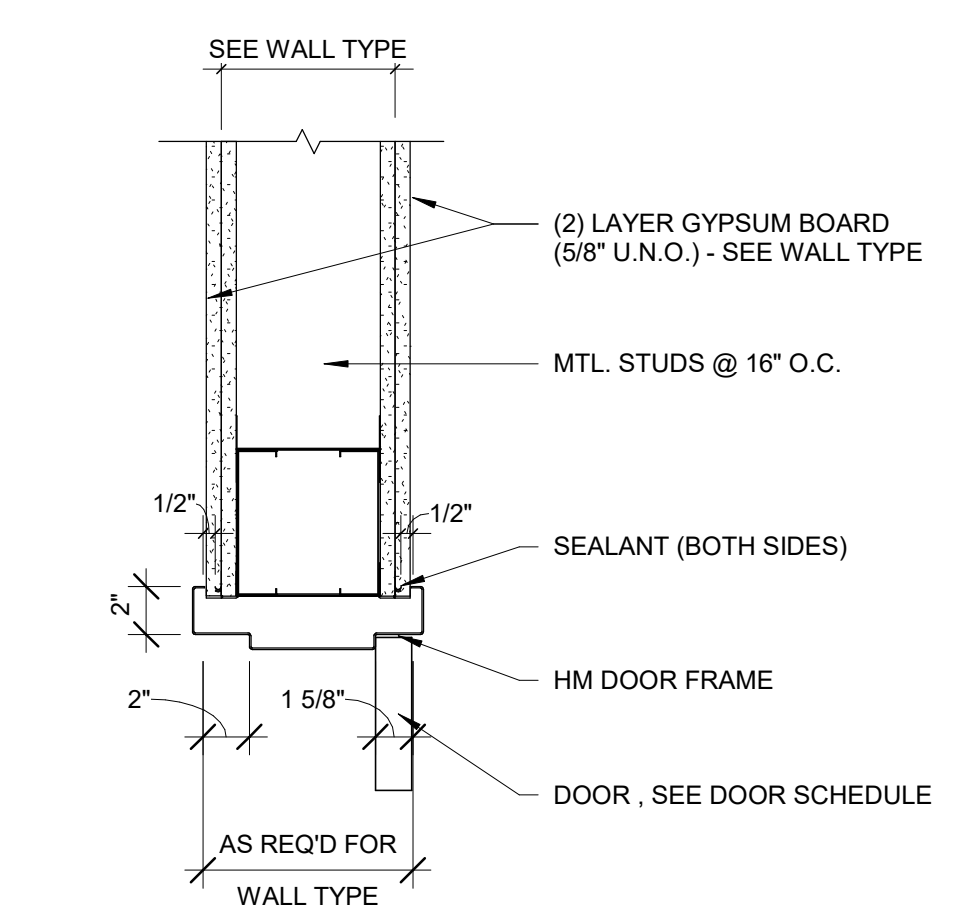


DOOR SCHEDULE														
NUMBER	WIDTH	HEIGHT	DOOR			FRAME			FIRE RATING	Hardware Set	DETAILS - SHEET A701			REMARKS
			MATERIAL	ELEV.	D	MATERIAL	ELEV.	D			HEAD	JAMB	SILL	
101	3'-0"	7'-0"	HM	D	HM	2	90 MIN	02	7	4	1		CARD READER ON EXIT PASSAGE 101 SIDE, PANIC DEVICE ON PARKING SIDE	
101A	3'-0"	7'-0"	EXIST	D	EXIST	2							NEW CARD READER IN EXISTING BOX.	
102	3'-0"	7'-0"	HM	D	HM	1	N/A	01	6	5	-		CARD READER ON PARKING SIDE; 1/2" LEXAN GLASS FOR VIEW LITE, PANIC DEVICE, FIELD VERIFY DOOR & FRAME DIMENSIONS IN EXISTING OPENING	
201	3'-0"	7'-0"	WD	D	EXIST	1	EX (90MIN)	03					DOOR MOUNTED BATTERY OPERATED CARD READER; PANIC DEVICE; REWORK FRAME FOR STRIKE; FILL SCREW HOLES & PAINT	
202	3'-0"	7'-0"	AL	B	EXIST	2	N/A	03A					AL STOREFRONT DOOR REMOVE EXIST'G CONTROL DEVICES. PATCH & PAINT ALL EXIST'G SURFACES; CARD READER	
C101	3'-0"	7'-0"	EXIST	D	EXIST	2							NEW CARD READER IN EXISTING BOX	
G101	EXIST	EXIST	EXIST	EXIST	EXIST		N/A	08					CARD READER FOR EXISTING ROLLING GATE	
G201	3'-0"	7'-0"	HM	D	HM	1	N/A	04A	3	91A110 & 2	1		SECURITY DOOR, FULL HEIGHT W/ 1/2" LEXAN VIEW LITE, BATTERY OPERATED CARD READER ON OUTSIDE, & PANIC DEVICE	
G203	3'-0"	N/A	MTL	N/A			N/A	05					RE-INSTALL EXISTING EGRESS SAFETY GATE	
G205	3'-0"	7'-0"	MTL	N/A			N/A	07					ORNAMENTAL GATE - CARD READER TO BE LOCATED ON ADJACENT WALL; NEW GATE MAG LOCK; RELEASE UPON EMERGENCY EGRESS	
G206	6'-0"	10'-0"	MTL	N/A			N/A	06					ORNAMENTAL DOUBLE GATE, TO BE SECURED W/ PADLOCK	
G303	3'-0"	7'-0"	HM	D	HM	1	N/A	04A	3	91A110 & 2	1		SECURITY DOOR, FULL HEIGHT W/ 1/2" LEXAN VIEW LITE, BATTERY OPERATED CARD READER ON OUTSIDE, & PANIC DEVICE	
S101B	3'-0"	7'-0"	HM	D	HM	1	90 MIN	04A	3	2	1		NEW DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON VESTIBULE 101 SIDE; RELOCATE IN NEW WALL, PROVIDE NEW FRAME	
S102	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	04					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON PARKING SIDE	
S103	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	04					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON STAIR SIDE	
S104	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	04					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON PARKING SIDE	
S201	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	04B					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON STAIR SIDE	
S202	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	04B					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON STAIR SIDE	
S202A	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)						NEW CARD READER IN EXISTING BOX	
S203A	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)						NEW CARD READER IN EXISTING BOX	
S204	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	03					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON STAIR SIDE	
S301	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	04B					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON STAIR SIDE	
S302	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	04B					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON STAIR SIDE	
S303	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	04B					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON STAIR SIDE	
S304	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	03					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON STAIR SIDE	
S304A	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)						NEW CARD READER IN EXISTING BOX	
S401	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	03					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON STAIR SIDE	
S402	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	04B					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON STAIR SIDE	
S403	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	03					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON STAIR SIDE	
S404	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	03					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON STAIR SIDE	
S503	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	03					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON STAIR SIDE	
S504	3'-0"	7'-0"	EXIST	D	EXIST	2	EX (90MIN)	03					EXISTING DOOR TO RECEIVE DOOR MOUNTED BATTERY OPERATED CARD READER ON STAIR SIDE	

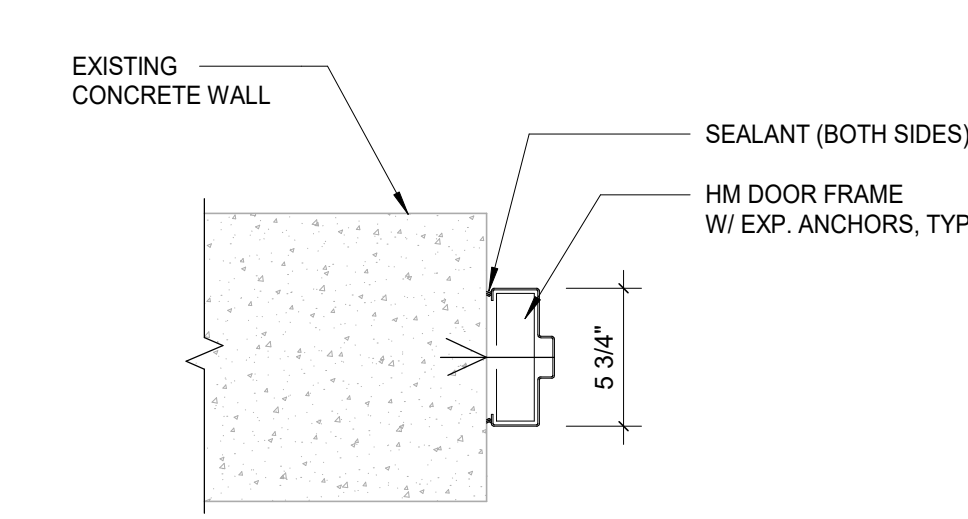
DOOR CLEARANCES



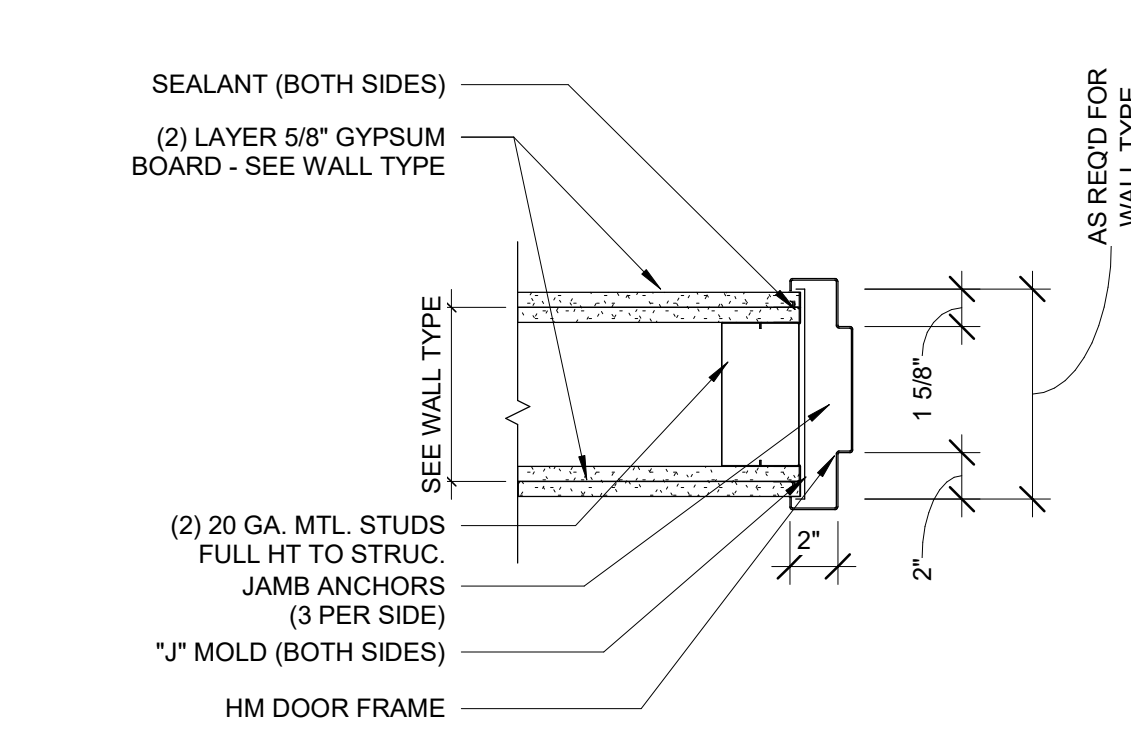
6 HEAD DETAIL
1 1/2" = 1'-0"



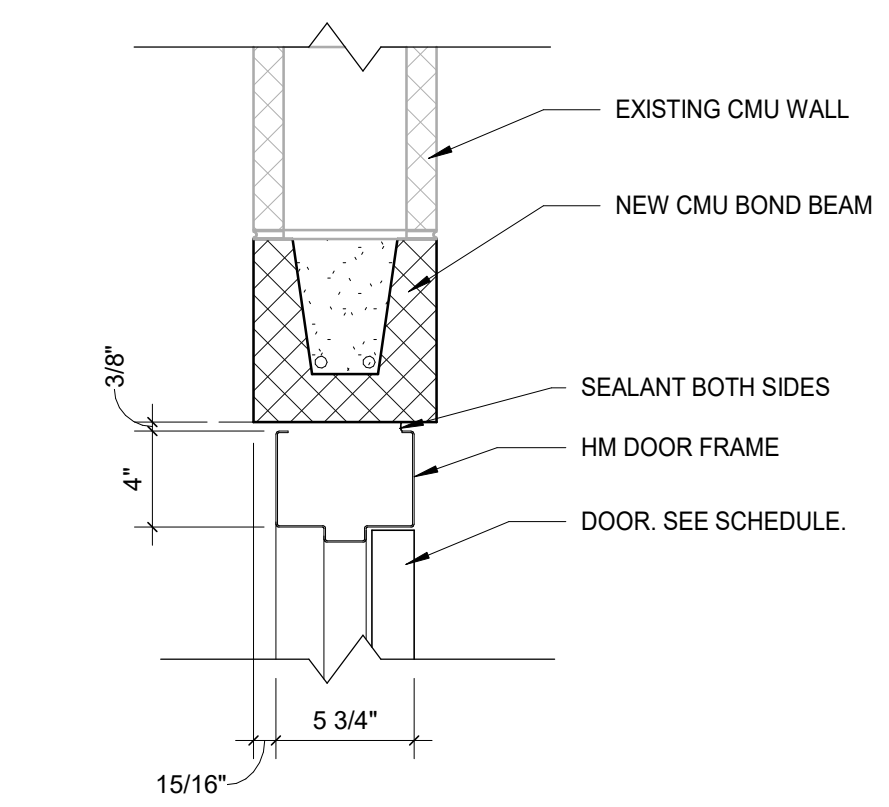
3 HEAD DETAIL
1 1/2" = 1'-0"



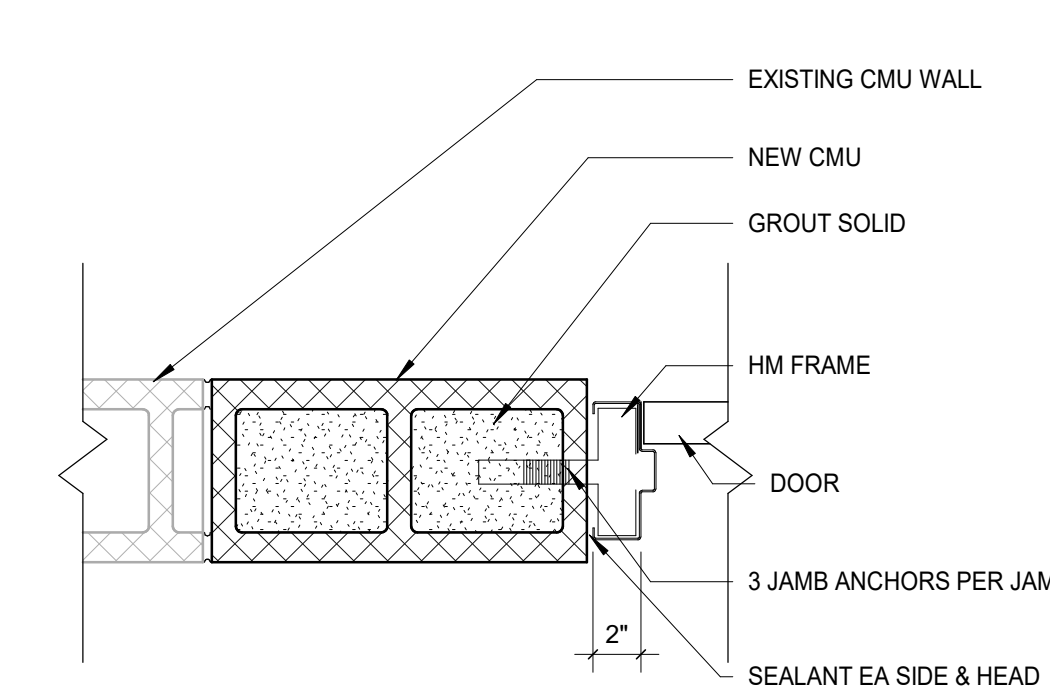
5 JAMB DETAIL
1 1/2" = 1'-0"



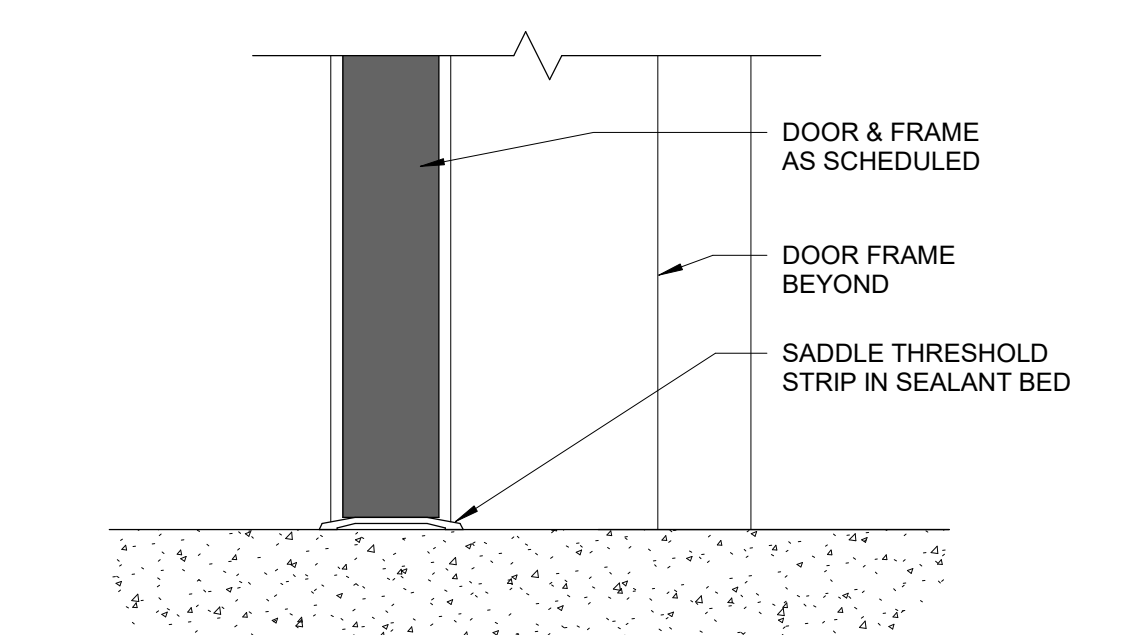
2 JAMB DETAIL
1 1/2" = 1'-0"



7 DOOR HEAD DETAIL
1 1/2" = 1'-0"



4 DOOR JAMB DETAIL
1 1/2" = 1'-0"



1 THRESHOLD DETAIL
3" = 1'-0"

#	DATE	CHANGE DESCRIPTION

Nance Place Security Upgrades
8 Academy Place, Ste 5-200, Nashville, TN 37210
FOR
Metropolitan Development and Housing Agency
1625 BROADWAY
4TH FLOOR
NASHVILLE, TN 37203
PHONE: (615) 386-9690
FAX: (615) 386-0528

DRAWING TITLE: **DOOR SCHEDULE & DETAILS**

03/09/20
DRAWN BY: JT CHECKED BY: AL
18560.02
A701
Construction Documents

SECTION 28.13.00 - ACCESS CONTROL

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections are collectively applicable to this Section.

1.02 INTRODUCTION

A. The Contractor shall provide, install, and program a functionally complete integrated access control, electronic locking, and door monitoring system as described in the following specifications. The system is to be configured as part of an Enterprise access control system, utilizing electronic locksets, wireless interface units, and access control panels, and connected via WAN/ LAN to the hosting facility access control system/ access control software.

1.03 SUMMARY

- A. Section includes:
1. Door access control electronic locksets. These units shall heavy-duty, field reversible, mortise or rim locksets; Intelligent locksets w/built-in Multi-Technology reader, networked configuration. Lockset devices to include Readers, Door Position Switches, and Release to Exit (REX) switches. Function shall work wireless, doors, & hardware specified.
2. Access Control panels and controllers connected to high-speed electronic-data transmission network as necessary to connect access controlled doors to parent facility existing Access Control System via LAN/ WAN. If no parent system exists, the electronic locks shall be configured as standalones, but shall be configured to be compatible with one of the access control systems as described in Section 2.4.
3. Access Credentials description and quantities.
4. Power Supplies, Cabling, panel interface reader modules, or other peripherals required for an operationally complete system.

1.04 RELATED WORK SPECIFIED UNDER OTHER SECTIONS (RELATED SECTIONS)

A. All work related to this specification shall be completed in strict accordance with these Contract Documents.
B. The Contractor shall perform all work described in this document along with any work not expressly mentioned in the specifications, but otherwise necessary, for the proper execution of the same. It is not the intent to delineate or describe all details and features of work. No additions or changes to the contract will be approved for any materials, equipment, and/or labor to perform work hereunder, unless it can be clearly shown to be beyond the scope and intent of the specifications and drawings, and be absolutely essential to the proper execution of the work.
C. Work under this contract consists of the complete installation an includes, but is not limited to, furnishing of all labor, materials, tools, and equipment necessary to complete all of the work as specified herein.

1.05 DEFINITIONS

- A. CCTV: Closed-circuit television.
B. CPU: Central processing unit.
C. Credential: Data assigned to an entity and used to identify that entity.
D. dpi: Dots per inch.
E. DTS: Digital Termination Service. A microwave-based, line-of-sight communication provided directly to the end user.
F. GFI: Ground fault interrupter.
G. Identifier: A credential card, keypad personal identification number; or code, biometric characteristic, or other unique identification entered as data into the entry-control database for the purpose of identifying an individual. Where this term is presented with an initial capital letter, this definition applies.
H. I/O: Input/Output.
I. LAN: Local area network.
J. Location: A Location on the network having a PC-to-controller communications link, with additional controllers at the Location connected to the PC-to-controller link with a TIA 485-A communications loop. Where this term is presented with an initial capital letter, this definition applies.
K. NAS: Network-Attached Storage- File-level computer data storage connected to a computer network.
L. PC: Personal computer. Applies to the central station, workstations, and file servers.
M. PIM: Panel Interface Module- A receiver module for wireless card reader systems that translates wireless data to Wiegand or other protocol for use by access control system.
N. PCI Bus: Peripheral Component Interconnect. A peripheral bus providing a high-speed data path between the CPU and the peripheral devices such as a monitor, disk drive, or network.
O. PDF: Portable Document Format. The file format used by the Acrobat document-exchange-system software from Adobe.
P. RAS: Remote access services.
Q. RF: Radio frequency.
R. ROM: Read-only memory. ROM data are maintained through losses of power.
S. SAN: Storage Area Network- dedicated network that provides access to Block Level data storage.
T. TCP/IP: Transport control protocol/internet protocol incorporated into Microsoft Windows.
U. TWIN: Technology without an Interesting Name. A programming interface that lets a graphics application, such as an image editing program or desktop publishing program, activate a scanner, frame grabber, or other image-capturing device.
V. UPS: Uninterruptible power supply.
W. USB: Universal serial bus.
X. WAN: Wide area network.
Y. WAV: The digital audio format used in Microsoft Windows.
Z. WMP: Windows media player.
AA. Wiegand: Patented magnetic principle that uses specially treated wires embedded in the credential card.
AB. Windows: Operating system by Microsoft Corporation.
AC. Workstation: A PC with software that is configured for specific, limited security-system functions.
AD. WYSIWYG: What You See is What You Get. Text and graphics appear on the screen the same as they will in print.

1.06 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated, include rated capacities, operating characteristics, and furnished specialties and accessories. Reference each product to a location on Drawings. Test and evaluation data presented in Product Data shall comply with SA B10-01.
B. Shop Drawings: include plans, elevations, sections, details, and attachments to other work. Common Requirements for Shop Drawings: Where this Section and other Sections of this Division require Shop Drawings to be submitted, meet the requirements defined in Division 01 Section "Submittal Procedures". In addition to the requirements of Division 01 comply with the following:
1. Prepare Shop Drawings using computerized drafting software compatible with AutoDesk's AutoCAD or Revit. Hardcopies of Shop Drawings shall have each sheet clearly labeled with a unique sheet identification number.
2. In addition to hardcopies required by Division 01, submit one copy of Shop Drawings in electronic format on CD or DVD. Files contained on disc shall be named to correspond with the sheet names contained in the hardcopy set. Files on disc shall include both AutoCAD® compatible source files and files printed to Portable Document Format (.pdf).
3. Shop Drawings shall be of appropriate scale but shall not be smaller than a scale of 1/4-inch equals one foot.
4. Diagrams for cable management system.
5. System labeling schedules, including electronic copy of labeling schedules that are part of the cable and asset identification system of the software specified in Parts 2 and 3.
7. Wiring Diagrams: For power, signal, and control wiring. Show typical wiring schematics including the following:
a. Access Panel Communications wiring.
b. Wiring at Access Controlled Doors to devices.
c. Wiring & connections to integrated systems.
d. Network connections.
8. Cable Administration Drawings: As specified in "Identification" Article.
9. Battery and charger calculations for central station, workstations, and controllers.

1.07 INFORMATIONAL SUBMITTALS

- A. Field quality-control reports.
B. Manufacturer provided software.
C. Database copy containing all setup parameters.

1.08 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For security system to include in emergency, operation, and maintenance manuals.
B. Manufacturer provided software.
C. Database copy containing all setup parameters.

1.09 QUALITY ASSURANCE

- A. Common Requirements for Material Quality: Materials, equipment and devices shall be new and of the quality specified, and shall be free from defects at the time of installation. Materials, equipment and devices damaged in shipment or otherwise damaged or found defective prior to acceptance by the Owner shall be replaced with new materials, equipment or devices identical with those damaged, unless approved otherwise by the Owner in writing.
B. Common Requirements for Code Compliance: In cases where differences occur between building codes, state laws, local ordinances, industry standards, and the Contract Documents, the most stringent shall govern. Perform the following:
1. Promptly notify the Architect in writing of any such difference.
2. Obtain approval from Architect before proceeding with the Work.
3. Should the Contractor perform any work that knowingly does not comply with local codes, laws and ordinances, industry standards, or other governing regulations; the Work shall be corrected at no cost to the Owner.
C. Common Requirements for Compliance with AHJ Instructions: In cases where the Authority Having Jurisdiction requires deviations from the requirements of the Contract Documents, perform the following:
1. Promptly notify the Architect in writing of any such difference.
2. Obtain approval from Architect before proceeding with the Work.
D. Installer Qualifications: An employer of workers trained and approved by manufacturer.
1. System Installer must comply with all Federal, State, and Local laws, regulations, and codes as prescribed by these entities in accordance with the scope of this project.
2. Cable installer must have on staff a registered communication distribution designer certified by Building Industry Consulting Service International.
E. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
F. Comply with NFPA 70, "National Electrical Code."
G. Comply with NFPA 101 "Life Safety Code"
H. Comply with TIA-568-B "Commercial Building Standard for Telecommunications Pathways and Spaces".

1.10 COORDINATION

- A. Describe various materials, equipment and devices, in general each item may be described singularly, even though there may be a multiplicity of identical items. Also, where the description is general in nature, the exact types, duties, space arrangements, and other requirements must be obtained by reference to other portions of Contract Documents.
B. Space allocations for materials, equipment and devices have been made on the basis of present and known future requirements and the dimensions of items of equipment or devices of a particular manufacturer. Verify that all materials, equipment and devices proposed for use on this Project are within the constraints of the allocated space.
C. Coordinate arrangement, mounting, and support of electronic safety and security equipment.
1. To allow maximum possible headroom unless specific mounting heights that reduce headroom are indicated.
2. To provide for ease of disconnecting the equipment with minimum interference to other installations.
3. To allow right of way for piping and conduit installed at required slope.
4. So connecting raceways, cables, wireways, cable trays, and busways will be clear of obstructions and of the working and access space of other equipment.
D. Coordinate with Division 08 Door & Frame provider for correct door preparation and hardware integration.
E. Coordinate with Electrical Contractor for provision of any power, back boxes, conduit stub ups, and other items normally provided by Division 26, Electrical, as required for system.
F. Coordinate with network/ IT provider for LAN/ WAN connections, IP addressing scheme, and other network related items as necessary for system communications.
G. Coordinate installation of required supporting devices and set shelves in cast-in-place concrete, masonry walls, and other structural components as they are constructed.
H. Coordinate location of access panels and doors for electronic safety and security items that are behind finished surfaces or otherwise concealed.
I. Coordinate sleeve selection and application with selection and application of fire-stopping specified in Division 07 Section "Penetration Fire-stopping".

1.11 DELIVERY, STORAGE, AND HANDLING

- A. Central Station, Workstations, and Controllers.
1. Store in temperature- and humidity-controlled environment in original manufacturer's sealed containers. Maintain ambient temperature between 50 and 85 deg F (10 and 30 deg C), and not more than 80 percent relative humidity, noncondensing.
2. Open each container; verify contents against packing list; and file copy of packing list, complete with container identification, for inclusion in operation and maintenance data.
3. Mark packing list with the same designations assigned to materials and equipment for recording in the system labeling schedules that are generated by software specified in "Cable and Asset Management Software" Article.
4. Save original manufacturer's containers and packing materials and deliver as directed under provisions covering extra materials.

PART 2 PRODUCTS

- A. Comply with provisions of Division 01 Section "Product Substitution Procedures"
1. If item of equipment or device offered as Substitution differs in dimension or configuration from that indicated in the Contract Documents, provide, as part of the substitution submittal, a drawing that shows that the equipment or devices proposed for Substitution can be installed in the space available without interfering with other trades or with access requirements for operations and maintenance in the completed project. Drawings shall be of appropriate scale but shall not be smaller than a scale of 1/4-inch equals one foot.
2. Where substitute equipment or devices requires different arrangement or connections from that indicated in the Contract Documents, install the equipment or devices to operate properly and in accordance with the requirements of the Contract Documents. Make incidental changes necessary in piping, ductwork or wiring which results from the inclusion of the substitute equipment or device without any additional cost to the Owner. Pay all additional costs incurred by other trades in connection with changes required by the inclusion of the substituted equipment or device in the Work.

2.02 DEVICES AND QUANTITIES

- A. Some devices required for a complete operational Access Control System may, or may not be, listed below. Access Control Devices may be provided by another division (ie Magnetic locks provided by Division 08). Verification of products and quantities provided by Division 28 shall be the responsibility of the Contractor prior to bid submittals and/or system installation.
B. All Allegion S2 Access Control integrated intelligent locksets to be purchased from a dealer authorized and certified to purchase and install the Allegion intelligent locksets. Contractor to setup a coordination meeting between Door and Hardware supplier, Access Control supplier/installer and Allegion representative prior to ordering any products to verify conduit locations and responsible parties for proper supply of products and installation/maintenance. Architect to be notified when meeting occurs.
C. Access control vendor must be a registered Certified Integrator who has been trained and certified by Allegion. If Access control vendor is not a certified integrator, please contact your local Allegion office.
E. Access Control Contact:
Allegion Representatives:
Ronn Perkins Ronn.Perkins@allegion.com 615-714-2252
Johnny Vaughn 615-351-8483

PART 2 -

- SCHEDULE 0 -
PRODUCT DATA SHEET 0 -
2.01
2.02

PART 3 -

- SCHEDULE 0 -
PRODUCT DATA SHEET 0 -
3.01
3.02
3.03
3.04

2.03 INTEGRATED IP-ENABLED ACCESS CONTROL EXIT DEVICES

- A. Basis-of-Design Product: Schlage NDE Series, AD 400 Series, and AD 300 Series
B. Acceptable Substitutions:
1. NONE

2.04 ACCESS CONTROL CARD READERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. WALL MOUNTED CARD READERS: Schlage Electronics MT15
2. NONE

2.05 ACCESS CONTROL SOFTWARE

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. (not used)
2. Approved Manufacturers:
a. S2 Access Control - Expansion of existing S2 Enterprise system.
b. NONE

B. Description:

- 1. Access Control System shall match local parent facilities (if available), and have the capability of LAN/WAN connectivity to the existing system. Access Control Panels shall be sized appropriately for the installation
SCHEDULE 1 -
PRODUCT DATA SHEET 0 -
1.01
1.02
1.03
1.04

2.06 ACCESS CREDENTIALS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. Schlage Electronics 9851/9851T
2. NONE
B. Card format (card type, bit format, facility code) to be determined with Owner prior to bid/ ordering
C. Credential Card Modification: Entry-control cards shall be able to be modified by lamination direct print process during the enrollment process without reduction of readability. The design of the credential cards shall allow for the addition of at least one slot or hole to accommodate the attachment of a clip for affixing the credential card to the badge holder used at the site.
D. Card Size and Dimensional Stability: Credential cards shall be 2-1/8 by 3-3/8 inches (54 by 88 mm). The credential card material shall be dimensionally stable so that an undamaged card with deformations resulting from normal use shall be readable by the card reader.
E. Card Material: Flexible PVC laminate or composite polyester/ PVC
F. Quantity: 200 Access Credentials shall be provided for this project.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine pathway elements intended for cables. Check raceways, cable trays, and other elements for compliance with space allocations, installation tolerances, hazards to cable installation, and other conditions affecting installation.
B. Examine rough-in for LAN and control cable conduit systems to PCs, controllers, card readers, and other cable-connected devices to verify actual locations of conduit and back boxes before device installation.
C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Comply with recommendations in SA C-01
B. Comply with TIA/EIA 606-A, "Administration Standard for Commercial Telecommunications Infrastructure."
C. Obtain detailed Project planning forms from manufacturer of access-control system; develop custom forms to suit Project. Fill in all data available from Project plans and specifications and publish as Project planning documents for review and approval.
1. Record setup data for control station and workstations.
2. For each Location, record setup of controller features and access requirements.
3. Propose start and stop times for time zones and holidays, and match up access levels for doors.
4. Set up groups, facility codes, linking, and list inputs and outputs for each controller.
5. Assign action message names and compose messages.
6. Set up alarms. Establish interlocks between alarms, intruder detection, and video surveillance features.
7. Develop user-defined fields.
8. Develop screen layout formats.
9. Complete system diagnostics and operation verification.
10. Prepare a specific plan for system testing, startup, and demonstration.
11. Develop acceptance test concept and, on approval, develop specifics of the test.
12. Develop cable and asset-management system details; input data from construction documents. Include system schematics and Visio Technical Drawings in electronic format.
D. In meetings with Architect and Owner, present Project planning documents and review, adjust, and prepare final setup documents. Use final documents to set up system software.

3.03 CABLING

- 1.01 Comply with NECA 1, "Good Workmanship in Electrical Construction."
B. Install cables and wiring according to requirements in Section 280513 "Conductors and Cables for Electronic Safety and Security."
C. Wiring Method: Install wiring in raceway and cable tray except within consoles, cabinets, desks, and counters. Conceal raceway and wiring except in unfinished spaces and in gypsum board partitions where unenclosed wiring method may be used. Use NRTL-listed plenum cable in environmental airspaces, including plenum ceilings, conceal raceways and cables except in unfinished spaces.
E. Install LAN cables using techniques, practices, and methods that are consistent with Category 5E rating of components and fiber-optic rating of components, and that ensure Category 5 and fiber-optic performance of completed and linked signal paths, end to end.
F. Boxes and enclosures containing security-system components or cabling, and which are easily accessible to employees or to the public, shall be provided with a lock. Boxes above ceiling level in occupied areas of the building shall not be considered accessible. Junction boxes and small device enclosures below ceiling level and easily accessible to employees or the public shall be covered with a suitable cover plate and secured with tamperproof screws.
G. Install end-of-line resistors at the field device location and not at the controller or panel location.

3.04 CABLE APPLICATION

- A. Comply with TIA-568-B, "Commercial Building Standard for Telecommunications Pathways and Spaces."
B. Cable application requirements are minimum requirements and shall be exceeded if recommended or required by manufacturer of system hardware.
C. TIA 232-F Cabling: Install at a maximum distance of 50 ft. (15 m).
D. TIA 485-A Cabling: Install at a maximum distance of 4000 ft. (1220 m).
E. Install minimum No. 16 AWG ac power wire from transformer to controller, with a maximum distance of 25 ft. (8 m).

3.05 GROUNDING

- A. Comply with Section 260526 "Grounding and Bonding for Electrical Systems."
B. Comply with IEEE 1101, "Recommended Practice for Power and Grounding Electronic Equipment."
C. Ground cable shields, drain conductors, and equipment to eliminate shock hazard and to minimize ground loops, common-mode returns, noise pickup, cross talk, and other impairments.
D. Bond shields and drain conductors to ground at only one point in each circuit.
E. Signal Ground:
1. Terminal: Locate in each equipment room and wiring closet; isolate from power system and equipment grounding.
2. Bus: Mount on wall of main equipment room with standoff insulators.
3. Backbone Cable: Extend from signal ground bus to signal ground terminal in each equipment room and wiring closet.

3.06 IDENTIFICATION

- A. In addition to requirements in this article, comply with applicable requirements in Section 260553 "Identification for Electrical Systems" and with TIA/EIA 606-A.
B. Using software specified in "Cable and Asset Management Software" Article, develop cable administration drawings for system identification, testing, and management. Use unique, alphanumeric designation for each cable, and label cable and jacks, connectors, and terminals to which it connects with the same designation. Use logical and systematic designations for facility's architectural arrangement.
C. Label each terminal strip and screw terminal in each cabinet, rack, or panel.
1. All wiring conductors connected to terminal strips shall be individually numbered, and each cable or wiring group being extended from a panel or cabinet to a building-mounted device shall be identified with the name and number of the particular device as shown.
2. Each wire connected to building-mounted devices is not required to be numbered at the device if the color of the wire is consistent with the associated wire connected and numbered within the panel or cabinet.
D. All equipment, cable and asset management software shall reflect as-built conditions.

3.07 SYSTEM SOFTWARE AND HARDWARE

- A. Develop, install, and test software and hardware, and perform database tests for the complete and proper operation of systems involved. Assign software license to Owner.
B. Provide one day of training for the owner (MDHA) for setup and programming

3.08 FIELD QUALITY CONTROL

- A. Perform tests and inspections.
B. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect components, assemblies, and equipment installations, including connections, and to assist in testing.
C. Tests and Inspections.
1. LAN Cable Procedures: Inspect for physical damage and test each conductor signal path for continuity and shorts. Use Class 2, bidirectional, Category 5 tester. Test for faultily connectors, splices, and terminations. Test according to TIA/EIA 568-C.1, "Commercial Building Telecommunications Cabling Standards - Part 1; General Requirements." Link performance for UTP cables must comply with minimum criteria in TIA/EIA 568-C.1.
2. Test each circuit and component of each system. Tests shall include, but are not limited to, measurements of power-supply output under maximum load, signal loop resistance, and leakage to ground where applicable. System components with battery backup shall be operated on battery power for a period of not less than 10 percent of the calculated battery operating time. Provide special equipment and software if testing requires special or dedicated equipment.
3. Operational Test: After installation of cables and connectors, demonstrate product capability and compliance with requirements. Test each signal path for end-to-end performance from each end of all pairs installed. Remove temporary connections when tests have been satisfactorily completed.
4. See Section 014000 "Quality Requirements" for retesting and re-inspecting requirements and Section 017300 "Execution" for requirements for connecting the Work.
C. Devices and circuits will be considered defective if they do not pass tests and inspections.
D. Prepare test and inspection reports.

3.09 STARTUP SERVICE

- A. Engage a factory-authorized service representative to supervise and assist with startup service.
1. Complete installation and startup checks according to approved procedures that were developed in "Preparation" Article and with manufacturer's written instructions.
2. Enroll and prepare badges and access cards for Owner's operations, management, and security personnel.

3.10 DEMONSTRATION

- A. Train Owner's maintenance personnel to adjust, operate, and maintain security access system. See Section 017900 "Demonstration and Training."
B. Develop separate training modules for the following:
1. Computer system administration personnel to manage and repair the LAN and databases and to update and maintain software.
2. Operators who prepare and input credentials to man the control station and workstations and to enroll personnel.
3. Security personnel.
4. Hardware maintenance personnel.
5. Corporate management.

END OF SECTION

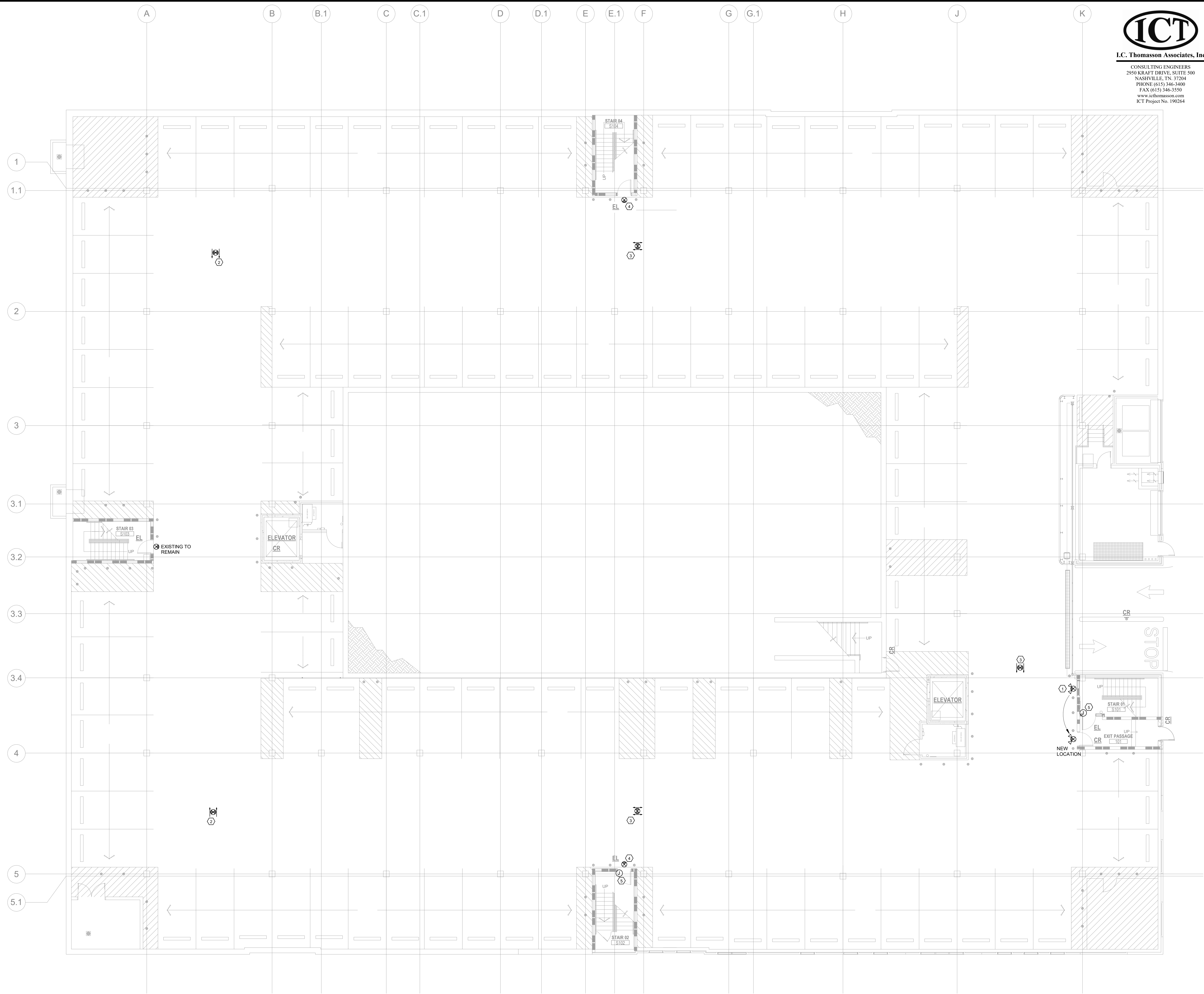
Table with 3 columns: #, DATE, CHANGE DESCRIPTION

Nance Place Security Upgrades
8 Academy Place, Ste 9-200, Nashville, TN 37203
FOR
Metropolitan Development and
Housing Agency
1625 BROADWAY
4TH FLOOR
NASHVILLE, TN 37203
PHONE: (615) 386-9690
FAX: (615) 386-0528

DRAWING TITLE: ACCESS CONTROL SPECIFICATIONS
03/09/20
DRAWN BY: JT CHECKED BY: AL
18560.02
A702
Construction Documents



I.C. Thomasson Associates, Inc.
 CONSULTING ENGINEERS
 2950 KRAFT DRIVE, SUITE 500
 NASHVILLE, TN 37204
 PHONE (615) 346-3400
 FAX (615) 346-3550
 www.ictthomasson.com
 ICT Project No. 190264



- ELECTRICAL NOTES:**
1. RELOCATE EXISTING EXIT SIGN ABOVE NEW EGRESS DOOR.
 2. RELOCATE EXISTING EXIT SIGN TO POINT ARROWS IN PROPER DIRECTION FOR EGRESS.
 3. REPLACE EXISTING EXIT SIGN WITH NEW UNIT TO POINT ARROWS IN PROPER DIRECTION FOR EGRESS.
 4. EXISTING EXIT SIGN TO BE REMOVED.
 5. PROVIDE ELECTRICAL CONNECTION TO DOOR POWER SUPPLY. EXTEND POWER FROM NEAREST 120V POWER.

#	DATE	CHANGE DESCRIPTION

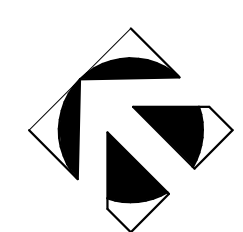
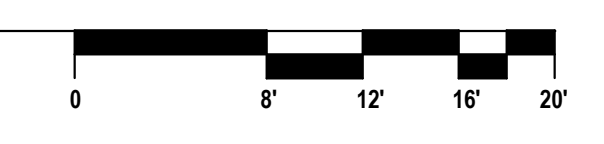
Nance Place Security Upgrades
 8 Academy Place, Ste S-200, Nashville, TN 37210
 FOR
Metropolitan Development and Housing Agency

MOODY-NOLAN
 1625 BROADWAY
 4TH FLOOR
 NASHVILLE, TN 37203
 PHONE: (615) 386-9690
 FAX: (615) 386-0528

DRAWING TITLE:
ELECTRICAL - FIRST FLOOR PLAN

03/09/20
 DRAWN BY: Author CHECKED BY: Checker
 18560.02
E101
 CONSTRUCTION DOCUMENTS

1 PLAN ELECTRICAL - FIRST FLOOR PLAN
 1/8" = 1'-0"





I.C. Thomasson Associates, Inc.

CONSULTING ENGINEERS
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NASHVILLE, TN 37204
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www.ictthomasson.com
ICT Project No. 190264



ELECTRICAL NOTES:

- EXISTING DOOR RELEASE FOR GATE SHALL BE RELOCATED TO AVOID TAMPERING FROM OUTSIDE FACILITY.
- NEW CARD READER LOCATION. EXTEND CONDUIT TO NEW LOCATION. PROVIDE NEW CABLING.
- NEW EXIT/EMERGENCY COMBO. CONNECT TO EXISTING EXIT LIGHTING CIRCUITRY.
- PROVIDE ELECTRICAL CONNECTION TO DOOR POWER SUPPLY. EXTEND POWER FROM NEAREST 120V POWER.
- EXISTING CARD READER TO BE REMOVED. EXTEND CONDUIT TO NEW CARD READER LOCATION. PROVIDING NEW CABLING.
- EXTEND POWER AND CONTROL TO NEW GATE LOCATION AS REQUIRED.

#	DATE	CHANGE DESCRIPTION

Nance Place Security Upgrades
8 Academy Place, Site S-200, Nashville, TN 37210
FOR
Metropolitan Development and Housing Agency



1625 BROADWAY
4TH FLOOR
NASHVILLE, TN 37203
PHONE: (615) 386-9690
FAX: (615) 386-0528

DRAWING TITLE:
ELECTRICAL - SECOND FLOOR PLAN



03/09/20
DRAWN BY: Author CHECKED BY: Checker
18560.02

E102

CONSTRUCTION DOCUMENTS

1 PLAN ELECTRICAL - SECOND FLOOR PLAN
1/8" = 1'-0"

