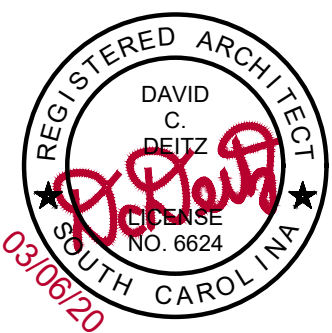
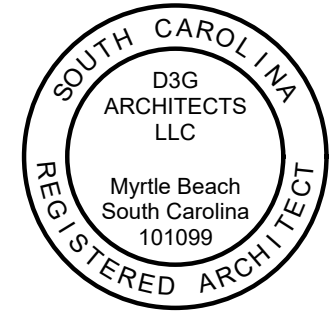




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350 HILTON ROAD / SUITE 101
MYRTLE BEACH, SC 29572

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Myrtle Beach Intermediate School

for Records, Science Kits and Adult Education

North Oak Street
Myrtle Beach, South Carolina
TAX MAP No: 173-160-2005

Onwner: Horry County School Board

Architect: D3G Architects

Survey: K & R Land Surveyors

Civil: DN Engineering

Structural: Wingate Consulting Engineering

Plumbing: D3G Architects

Mechanical: D3G Architects

Electrical: Haas & Kennedy Engineering

Drawing List:

Architectural:

- A0.01 SURVEY
- A0.02 FIRE LANE & FIRE HYDRANT
- A0.03 LAND DISTURBED
- A1.01 SITE PLAN
- A1.02 MISC. DETAILS
- A2.01 EXISTING FLOOR PLAN
- A2.02 MASTER FLOOR PLAN
- A2.03 RECORDS UNIT "A" FLOOR PLAN
- A2.04 SCIENCE KITS UNIT "B" FLOOR PLAN
- A2.05 ADULT EDUCATION UNIT "C01" FLOOR PLAN
- A2.06 ADULT EDUCATION UNIT "C2" FLOOR PLAN
- A8.01 DOOR SCHEDULE HOLLOW METAL FRAME TYPES DOOR DETAILS
- A10.01 ENLARGED TOILETS, TOILET DETAILS

Structural:

- S1 UNIT "A" MASONRY LINTEL PLAN
- S2 UNIT "B" MASONRY LINTEL PLAN
- S3 DETAILS

Electrical:

- E-1 ELECTRICAL INFO
- E-2 RECORDS UNIT "A" FLOOR PLAN
- E-3 SCIENCE KITS UNIT "B" FLOOR PLAN
- E-4 ADULT EDUCATION UNIT "C2" FLOOR PLAN

CODE ANALYSIS						
PROJECT MBIS for Records, Science Kits & Adult Education						
DATE March 2020						
SUBMITTAL: Schematic () Design Development () Construction Documents (X) Code Analysis ()						
IBC EDITION 2015						

CODE ITEM	CODE REFERENCE	AREA A Records	AREA B Science	AREA C Science	AREA D Adult	AREA E Adult	AREA F Adult
Occupancy Classification	Chapter 3	S-1	S-1	S-1	B	B	B
Construction Classification	Chapter 6	II-B	II-B	II-B	II-B	II-B	II-B
Sprinkler		No	No	No	No	No	No
Tabular Height Allowed	Table 504.3	55 FT	55 FT	55 FT	55 FT	55 FT	55 FT
Height Increase Allowed	Chapter 5	N/A	N/A	N/A	N/A	N/A	N/A
Height - Actual		40'-0"	40'-0"	40'-0"	40'-0"	40'-0"	40'-0"
Stories	Table 504.4	2	2	2	3	3	3
Stories - Actual		1	1	1	1	1	1
INCREASE AREA BASIS	Tabular Area Allowed	Table 506.2	17,500 sf	17,500 sf	17,500 sf	23,000 sf	23,000 sf
Allowable area per story			17,500 sf	17,500 sf	17,500 sf	23,000 sf	23,000 sf
INCREASE AREA BASIS	Area - Actual		11,750 sf	11,220 sf	7,500 sf	19,445 sf	6,300 sf
Area - Actual						23,000 sf	23,000 sf

"B" FIRE-RESISTANCE RATING, BUILDING ELEMENTS:

Structural Frame	Table 601	0 HRS
Bearing Walls - Exterior	Table 601 & 602	10 FT <= X < 30 FT = 1 HRS 1X >= 30 FT = 0 HRS
Bearing Walls - Interior	Table 601	0 HRS
Non-Bearing Walls & Partitions- Exterior	Table 602	10 FT <= X < 30 FT = 1 HRS 1X >= 30 FT = 0 HRS
Non-Bearing Walls & Partitions- Interior	Table 601	0 HRS* * or as reqd elsewhere in Code
Floor Construction including supporting beams and joists	Table 601	0 HRS
Roof Construction including supporting beams and joists	Table 601	0 HRS
% Exterior Wall Openings Not Rated	Table 705.8	N/A

"B" FIRE-RESISTANCE RATING, SEPARATION WALLS:

Special Use	Sec 400's	n/a
Mixed Use & Occupancy	Sec 508 2.3	less then 10% of floor area
Occupancy Separation Walls	Table 508.4	"B" & "S1" No Separation
Incidental Use Areas	Table 509	n/a
Interior Partitions	Sec 601	0 hrs
Fire Walls	Table 706.4	2 hours, exception a
Fire Barriers	Table 707.3.10	2 hours
Fire Partition	Sec 708	n/a
Horizontal Exits	Sec 711	n/a
Sprinkler System	Sec 903.1	Not Required
Stories with One Exit	Table 1006.3.2	n/a
Travel Distance	Table 1012.2	200 feet
Corridors Rating	Table 1020.1	Occupant (30 greater) 1 hrs - No Sprinkler System
Corridors Width	Table 1020.2	44 inches
Egress Balconies	Sec 1021.2	n/a
Exit Stairs	Sec 1023	n/a
Mechanical Shaft Walls	Sec 1023	n/a
Elevator Shaft Walls	Sec 1023	n/a
Elevator Lobby	Sec 3006.2	n/a

"S1" FIRE-RESISTANCE RATING, BUILDING ELEMENTS:

Structural Frame	Table 601	0 HRS
Bearing Walls - Exterior	Table 601 & 602	10 FT <= X < 30 FT = 1 HRS 1X >= 30 FT = 0 HRS
Bearing Walls - Interior	Table 601	0 HRS
Non-Bearing Walls & Partitions- Exterior	Table 602	10 FT <= X < 30 FT = 1 HRS 1X >= 30 FT = 0 HRS
Non-Bearing Walls & Partitions- Interior	Table 601	0 HRS* * or as reqd elsewhere in Code
Floor Construction including supporting beams and joists	Table 601	0 HRS
Roof Construction including supporting beams and joists	Table 601	0 HRS
% Exterior Wall Openings Not Rated	Table 705.8	N/A

"S1" FIRE-RESISTANCE RATING, SEPARATION WALLS:

Special Use	Sec 400's	n/a
Mixed Use & Occupancy	Sec 508 2.3	less then 10% of floor area
Occupancy Separation Walls	Table 508.4	n/a
Incidental Use Areas	Table 509	n/a
Interior Partitions	Sec 601	0 hrs
Fire Walls	Table 706.4	3 hours
Fire Barriers	Table 707.3.10	3 hours
Fire Partition	Sec 708	n/a
Horizontal Exits	Sec 711	n/a
Sprinkler System	Sec 903.2.9	Not Required
Stories with One Exit	Table 1006.3.2	n/a
Travel Distance	Table 1012.2	200 feet
Corridors Rating	Table 1020.1	Occupant (30 greater) 1 hrs - No Sprinkler System
Corridors Width	Table 1020.2	44 inches
Egress Balconies	Sec 1021.2	n/a
Exit Stairs	Sec 1023	n/a
Mechanical Shaft Walls	Sec 1023	n/a
Elevator Shaft Walls	Sec 1023	n/a
Elevator Lobby	Sec 3006.2	n/a

PLUMBING DATA

SCIENCE PACKAGES

STORAGE 1 OCCUPANCY "S1"

Area S & C

39 STAFF OCCUPANT LOAD

20 MEN

20 WOMEN

LAVATORIES:

17100 = 1 REQD, 6 PROVIDED

WATER CLOSETS:

17100 = 1 REQD, 6 PROVIDED

DRINKING FOUNTAINS:

171000 = 1 REQD, 2 PROVIDED

SERVICE SINKS:

1 REQD, 1 PROVIDED

PLUMBING DATA

RECORDS

STORAGE 1 OCCUPANCY "S1"

Area A

24 STAFF OCCUPANT LOAD

12 MEN

12 WOMEN

LAVATORIES:

17100 = 1 REQD, 6 PROVIDED

WATER CLOSETS:

17100 = 1 REQD, 6 PROVIDED

DRINKING FOUNTAINS:

171000 = 1 REQD, 2 PROVIDED

SERVICE SINKS:

1 REQD, 1 PROVIDED

PLUMBING DATA

ADULT EDUCATION

BUSINESS OCCUPANCY "B"

Area D, E, F

1480 STAFF OCCUPANT LOAD

740 MEN

740 WOMEN

LAVATORIES:

1750 = 30 REQD, 33 PROVIDED

WATER CLOSETS:

1750 = 30 REQD, 33 PROVIDED

DRINKING FOUNTAINS:

17100 = 15 REQD, 10 PROVIDED

SERVICE SINKS:

1 REQD, 3 PROVIDED

CONCLUSION & SUMMARY OF OF REQUIRED ALTERATIONS

Comply with 2015 IECS Level 1 and Level 2 requirements as follows:

- Area "A" - Records Storage
 - 19,140 sf
 - Upgrade the exterior wall between Area "A" and Area "B" to a 1-Hour rating.
 - Seal all openings with fire-rated caulking.
 - Upgrade Exit doors to 45 minute ratings.
 - Add 6 closer to the corridor doors from classrooms.
 - Revise gang toilets to single ADA toilet.

- Area "B" & "C" - Science Kits Storage
 - 19,140 sf
 - Upgrade exterior wall between Area "A" and Area "B" to a 1-Hour rating.
 - Seal all openings with fire-rated caulking.
 - Upgrade Exit doors to 45 minute ratings.
 - Remove existing windows and infill with matching masonry.
 - Provide a new Code-compliant exterior exit from Area "C".
 - Add 2 closer to the corridor doors from classrooms.
 - Revise gang toilets to single ADA toilet.

- Area "D", "E" & "F" - Adult Education
 - 19,445 sf or 25,775 sf or 46,275 sf
 - Add 38 closer to the corridor doors from classrooms.
 - Revised gang toilet for a ADA toilet stall.
 - Install a 20' wide asphalt fire lane.
 - Revise the two (2) single classroom toilets to storage rooms.
 - Revise existing exterior ramp at location of fire lane.

2015 IBC

A. AUTOMATIC SPRINKLER SYSTEMS:

(903.4) SPRINKLER SYSTEM MONITORING AND ALARMS NOT REQUIRED

B. DOORS, GATES AND TURNSTILES 1010:

PANIC HARDWARE REQUIRED ON EGRESS DOORS (1009.1.9)

C. DEAD-END CORRIDORS:

MAX. LENGTH 20 FT. (SEC 1020.4)

THERE ARE NO DEAD-END CORRIDORS IN THIS BUILDING.

2015 IEBC

THE INTERNATIONAL EXISTING BUILDING CODE

NOTE: THIS CODE ANALYSIS ASSUMES A WORK AREA OF LESS THAN 50% IN EACH AREA.

TABLE 301.1.4.1

RISK CATEGORIES

CURRENT USE: CATEGORY III

PROPOSED USE: CATEGORY II

Chapter 5

PROPOSED ALTERATIONS ARE LEVEL 1 AND LEVEL 2:

COMPLY WITH CHAPTERS 7 AND 8 OF THE 2015 IEBC

Section 503 Alteration - Level 1

Removal and replacement of existing materials, elements,

equipment, or fixtures using new materials, elements,

equipment or fixtures that serve the same purpose.

Section 504 Alteration - Level 2

Reconfiguration of space, the addition or elimination of any door or

window, the reconfiguration or extension of any system, or the

installation of any additional equipment.

Section 505 Alteration - Level 3 (NOT APPLICABLE):

Alterations apply where the work area exceeds 50 percent of the

building area.

2015 IEBC

THE INTERNATIONAL EXISTING BUILDING CODE

NOTE: THIS CODE ANALYSIS ASSUMES A WORK AREA OF LESS THAN 50% IN EACH AREA.

CHAPTER 7: LEVEL 1 ALTERATIONS

702.1 NEW INTERIOR FINISHES COMPLY WITH IBC FLAMESPREAD

REQUIREMENTS.

702.6 NEW WORK TO COMPLY WITH IBC & ELECTRICAL, MECHANICAL,

ENERGY & PLUMBING CODES.

703.1 MAINTAIN REQUIRED LEVEL OF FIRE PROTECTION.

704.1 MAINTAIN CODE COMPLIANT MEANS OF EGRESS.

705.1 COMPLY WITH ACCESSIBILITY REQUIREMENTS SPECIFIC TO THE IEBC.

707.2 STRUCTURAL LOADS FOR NEW ROOFTOP EQUIPMENT TO

CONFORM TO IBC UNLESS LESS THAN 2%.

708.1 ENERGY CONSERVATION

LEVEL 1 ALTERATIONS TO EXISTING BUILDINGS OR STRUCTURES ARE

PERMITTED WITHOUT REQUIRING THE ENTIRE BUILDING OR

STRUCTURE TO COMPLY WITH THE ENERGY REQUIREMENTS OF

THE INTERNATIONAL ENERGY CONSERVATION

CODE. THE ALTERATIONS SHALL CONFORM TO THE ENERGY

REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION

CODE AS THEY RELATE TO NEW CONSTRUCTION ONLY.

CHAPTER 8: LEVEL 2 ALTERATIONS

801.3 All new construction elements, components, systems, and spaces

shall comply with the requirements of the International Building Code

(SEE LIST OF EXCEPTIONS, INCLUDING LIGHT/VENTILATION ROOMS,

ELECTRICAL EQPT, CLO HOSIS)

803.4 INTERIOR FINISHES AT EXITS AND CORRIDORS TO COMPLY WITH IBC.

804.2.2 SPRINKLER SYSTEM NOT REQUIRED PER IBC.

804.4.1 NO FIRE ALARM SYSTEM REQUIRED FOR OCCUPANCY "B" & "S1"

805 MEANS OF EGRESS REQUIREMENTS PER IBC.

806 ACCESSIBILITY PER CHAPTER 7.

807 STRUCTURAL LOADS - GRAVITY, LATERAL, AND SNOW LOADS -

COMPLY WITH IBC UNLESS LESS THAN 5% INCREASE

808 ELECTRICAL: Existing wiring in all work areas in Group "B" & "S1" is

not required to be upgraded to meet the IBC.

809 MECHANICAL:

809.1 All reconfigured spaces intended for occupancy and all spaces

converted to habitable or occupiable space in any work area shall be

provided with natural or mechanical ventilation in accordance with

the International Mechanical Code.

809.3 PROVIDE LOCAL EXHAUST FOR NEW EQPT

810 PLUMBING: UPGRADE FIXTURE COUNT IF OCCUPANTS LOAD

INCREASES BY MORE THAN 20 PERCENT

811.1 ENERGY CONSERVATION

Level 1 alterations to existing buildings or structures are permitted

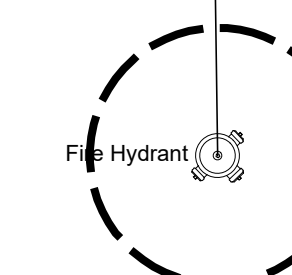
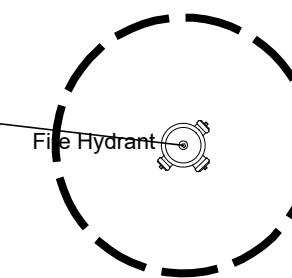
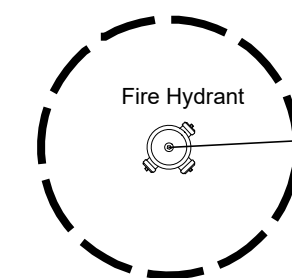
without requiring the entire building or structure to comply with the

energy requirements of the International Energy Conservation

Code. The alterations shall conform to the energy requirements of

the International Energy Conservation Code as they relate to new

construction only.



Horry County Board of Education
Pin:424-00-00-0022
TMS:173-16-02-005

35 TH Avenue North

33 RD Avenue North

North Oak Street

EXISTING FIRE LANE

EXISTING FIRE LANE

EXISTING FIRE LANE

EXISTING FIRE LANE

EXISTING FIRE LANE

EXISTING FIRE LANE

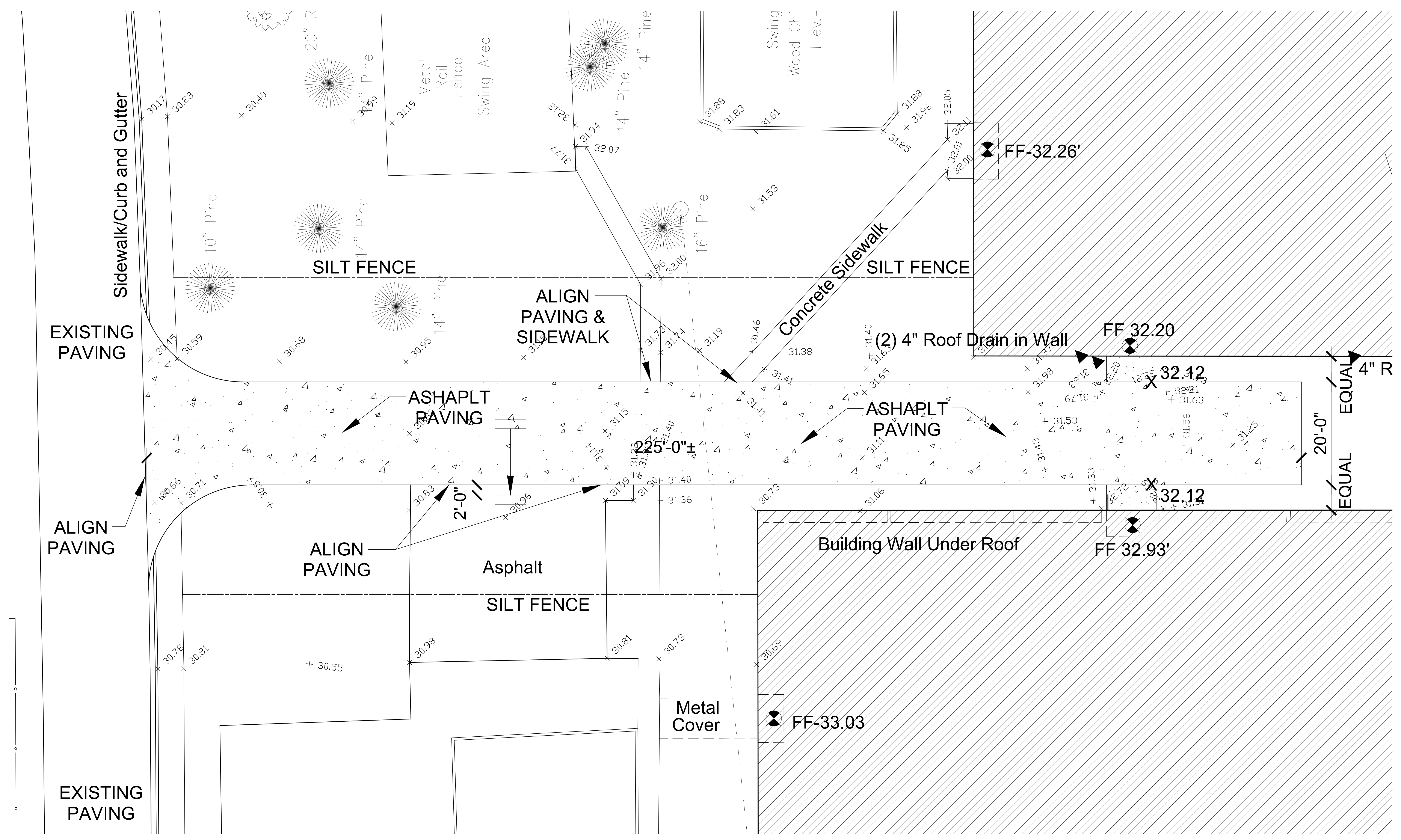
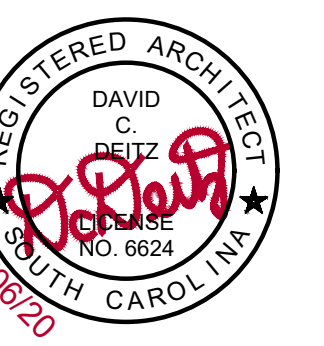
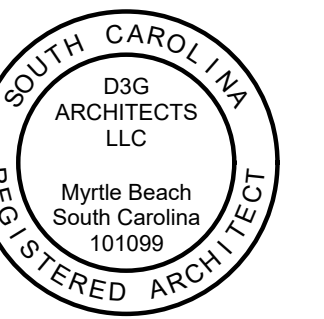
**FIRE LANE AND FIRE HYDRANT
SITE PLAN: CODE INFORMATION**

1
A0.02
SCALE: 1" = 30'-0"



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NOTE:
563,519sf of TOTAL PROPERTY
5,420sf of DISTURBED LAND
3,476sf of IMPERVIOUS PAVING

LAND DISTURBED
1
ENLARGED SITE PLAN
SCALE: 1/8" = 1'-0"

PROJECT TITLE
MBIS
Renovations
for
Records
Science Kits
Adult Education

TMS: 173-160-2005
North Oak Street
Myrtle Beach, SC

FILE NUMBER: 2002

SHEET TITLE: LAND DISTURBED

DATE: March 6, 2020
REVISION DATE:

SHEET NUMBER

A0.03



Horry County Board of Education
Pin:424-00-00-0022
TMS:173-16-02-005

35 TH Avenue North

1 SITE PLAN
A1.01 SCALE: 1" = 30'-0"

33 RD Avenue North

North Oak Street

GENERAL DEMOLITION NOTES:

- A. ALL SURFACES DISTURBED BY DEMOLITION AND / OR CONSTRUCTION ACTIVITIES ARE TO BE RESTORED TO MATCH SURROUNDING SURFACES, AS FOLLOWS.
1. FLOOR FINISHES: RESTORED TO MATCH THE EXISTING SURROUNDING FLOORING FINISH AND BASE FINISH.
 2. WALL FINISHES: FINISH AND PAINT WALLS FROM CORNER TO CORNER AND BASE TO CEILING.
 3. CEILING FINISHES: RESTORED TO MATCH THE EXISTING SURROUNDING CEILING FINISH.
- B. ALL OPENINGS CREATED BY DEMOLITION AND / OR CONSTRUCTION ACTIVITIES (I.E. FOR WALLS, DOORS, WINDOWS, OPENINGS, DUCTS, ELECTRIC PANELS, CONDUIT, PLUMBING FIXTURES, ETC.) ARE TO BE PATCHED WITH MATERIALS THAT MATCH SURROUNDING SURFACES, AS FOLLOWS.
1. CMU WALLS ARE TO BE CLOSED WITH MATCHING THICKNESS, COURSING AND MASONRY UNITS AND TOOTHED INTO ADJACENT WALLS. MAINTAIN OR RESTORE FIRE RATINGS AT ALL LOCATIONS.
 2. STEEL STUD WALLS ARE TO BE CLOSED WITH MATCHING STUD THICKNESS AND GAUGE AND MATCHING THICKNESS OF GYPSUM BOARD. MAINTAIN OR RESTORE FIRE RATINGS AT ALL LOCATIONS.
 3. WOOD STUD WALLS ARE TO BE CLOSED WITH MATCHING STUD THICKNESS AND MATCHING THICKNESS OF GYPSUM BOARD. MAINTAIN OR RESTORE FIRE RATINGS AT ALL LOCATIONS.
 4. FLOOR OPENINGS 2'-0"X12'-0" OR LARGER ARE TO BE FILL IN WITH CONCRETE. MAINTAIN OR RESTORE FIRE RATINGS AT ALL LOCATIONS.
 5. FLOOR OPENINGS SMALLER THAN 2'-0"X12'-0" ARE TO BE FILLED WITH "STO" CONCRETE EPOXY FILLER.

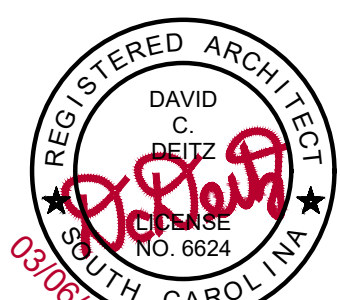
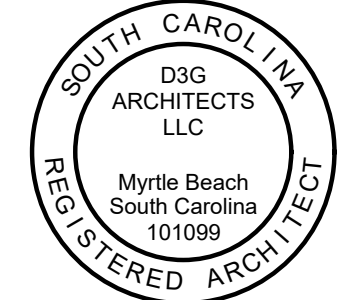
DEMOLITION & RENOVATION KEYED NOTES:

1. REMOVE EXISTING MASONRY WALL TO 8'-0" AFF AND INSTALL A STRUCTURAL LINTEL PER THE STRUCTURAL DRAWINGS. TOOTH IN THE MASONRY PER THE DETAIL 3/A1.03. REMOVE THE CMU WALL 8" BELOW THE SLAB AND PATCH THE SLAB PER THE DETAIL 3/A1.03. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
2. REMOVE EXISTING MASONRY WALL. TOOTH IN THE MASONRY PER THE DETAIL. REMOVE THE CMU WALL 8" BELOW THE SLAB AND PATCH THE SLAB PER THE DETAIL 3/A1.02. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
3. REMOVE EXISTING MASONRY WALL TO INSTALL A HOLLOW METAL FRAME, DOOR & STRUCTURAL LINTEL. TOOTH IN THE MASONRY PER THE DETAIL "S3". PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
4. REMOVE EXISTING WINDOW AND WINDOW SILL. CLOSE OPENING WITH MATCHING MATERIALS AND TOOTH IN THE MASONRY PER THE SHEET "S3". PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
5. REMOVE EXISTING DOOR, HOLLOW METAL FRAME AND HARDWARE.
6. REMOVE EXISTING DOOR AND HARDWARE.
7. REMOVE EXISTING DOOR, HOLLOW METAL FRAME AND HARDWARE AND REPLACE PER THE DOOR SCHEDULE.
8. REMOVE EXISTING STEEL STUDS, INSULATION AND GYPSUM BOARD WALL. COORDINATE WITH STRUCTURAL DRAWINGS. PATCH ADJACENT WALLS AND FLOOR PER GENERAL DEMOLITION NOTE "B".
9. REMOVE EXISTING STEEL STUDS, INSULATION AND GYPSUM BOARD WALL AS REQUIRED FOR INSTALLATION OF DOOR, FRAME, HARDWARE AND LINTEL. PATCH ADJACENT WALLS AND FLOOR PER GENERAL DEMOLITION NOTE "B".
10. REMOVE EXISTING CONCRETE SIDEWALK. SAW CUT FOR CLEAN EDGE.
11. REMOVE ASPHALT PAVING AND GRAVEL BASE. SAW CUT FOR CLEAN EDGE.
12. REMOVE CONCRETE CURB AND GUTTER. SAW CUT FOR CLEAN EDGE.
13. REMOVE EXTERIOR CONCRETE RAMP OR STAIRS AND RAILINGS. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B". FILL ANY VOIDS WITH TOP SOIL AND SEED.
14. REMOVE 16" TALL ALUMINUM ROOF COVERING, STRUCTURAL LIGHTS, WIRING, ETC. FROM BRICK WING WALL EDGE TO BRICK WING WALL EDGE. COVER EXPOSED EDGE WITH MATCHING MATERIALS. ARCHITECT IS TO BE ON SITE TO REVIEW THE EXPOSED EDGE BEFORE IT IS COVERED. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
15. REMOVE EXISTING INTERIOR 28'-0" LF OF CONCRETE RAMP AND SLAB.
16. REMOVE FENCE. FILL IN VOID WITH TOP SOIL AND SEED.
17. REMOVE SIGN AND POST. FILL IN VOID WITH TOP SOIL AND SEED.
18. REMOVE TREE AND SCRUBS AND ITS ROOT SYSTEM. FILL IN VOID WITH TOP SOIL AND SEED.
19. INSTALL A "RUSKIN" 1B02 CURTAIN TYPE STATIC FIRE DAMPERS IN THE SUPPLY AND RETURN AT THE CMU WALL. 1 HOUR UL555 RATED. ENCLUDE ALL OPTIONS NEED FOR THE 1 HOUR RATING.
20. INSTALL A "RUSKIN" 1B02 CURTAIN TYPE STATIC FIRE DAMPERS IN THE SUPPLY AND RETURN AT THE CMU WALL. 3 HOUR UL555 RATED. ENCLUDE ALL OPTIONS NEED FOR THE 3 HOUR RATING.
21. ---
22. REMOVE EXISTING PLUMBING FIXTURES. CAP ALL WATER, SEWER AND ELECTRICAL LINES FLUSH WITH THE WALL OR FLOOR OR ABOVE THE CEILING. PATCH WALLS PER GENERAL DEMOLITION NOTE "B".
23. REMOVE EXISTING WATER CLOSET FIXTURE. FINISH FLOORING, SEWER LINE, TOILET CONNECTION AND CONCRETE TO INSTALL A WATER CLOSET AT THE LOCATION SHOWN ON SHEET A10.01. CONNECT WATER CLOSET TO THE TOILET CONNECTION AND WATER LINE AND PATCH CONCRETE PER DEMOLITION NOTE "B". INSTALL THE FLOOR FINISH PER DEMOLITION PLAN "A".
24. REMOVE TOILET PARTITION. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "G/A1.02".
25. REMOVE KITCHEN EQUIPMENT. CAP ALL GAS, WATER, SEWER AND ELECTRICAL LINES FLUSH WITH THE WALL OR FLOOR OR ABOVE THE CEILING. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "G/A1.02".
26. REMOVE THE EXISTING PLATFORM, WALLS, CEILING, STAIRS, RAMP, ELECTRICAL FIXTURES, SOUND SYSTEM PANEL, SPEAKERS AND ELECTRICAL LINES. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "G/A1.02".
27. 1 HOUR RATING. FIRE CAULK ALL OPENINGS IN THIS WALL ON EXTERIOR AND INTERIOR. SEE FIRE RATING DETAILS.
28. FIRE RATED CAULK ALL OPENINGS IN THIS CORRIDOR ON THE WALLS AND CEILING. SEE FIRE RATING DETAILS.
29. REMOVE EXISTING METAL OR WOOD PANELS FROM THE STOREFRONT AND CAULK THE STOREFRONT TO THE MASONRY. CAULK THE GLASS TO THE STOREFRONT AND PATCH THE SCREW HOLES IN THE STOREFRONT. SEE ALLOWANCE FOR REPLACING EXISTING BROKEN GLASS IN STOREFRONT.
30. REMOVE MARKER BOARD AND TACK BOARD IN THIS ROOM. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
31. REMOVE PVC DRAINAGE LINE. FILL IN VOID WITH TOP SOIL AND SEED.
32. RELOCATED BENCH AS SHOWN ON SITE PLAN. FILL IN VOID WITH TOP SOIL AND SEED.
33. REMOVE TOILET GRAB BARS AND TOILET DISPENSERS AT THIS TOILET.
34. INSTALL A 8" CMU WALL IN THE MASONRY OPENING. TOOTH IN THE MASONRY SIMILAR TO THE DETAIL 3/A1.03.
35. REMOVE HOLLOW METAL FRAME, PANELS AND GLASS TO 7'-0" AFF. INSTALL HOLLOW METAL PANEL TO FINISH OFF ALL EXPOSED HOLLOW METAL FRAMING OPENINGS. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "G/A1.02".
36. REMOVE CASEWORK (CUBICLES). PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".



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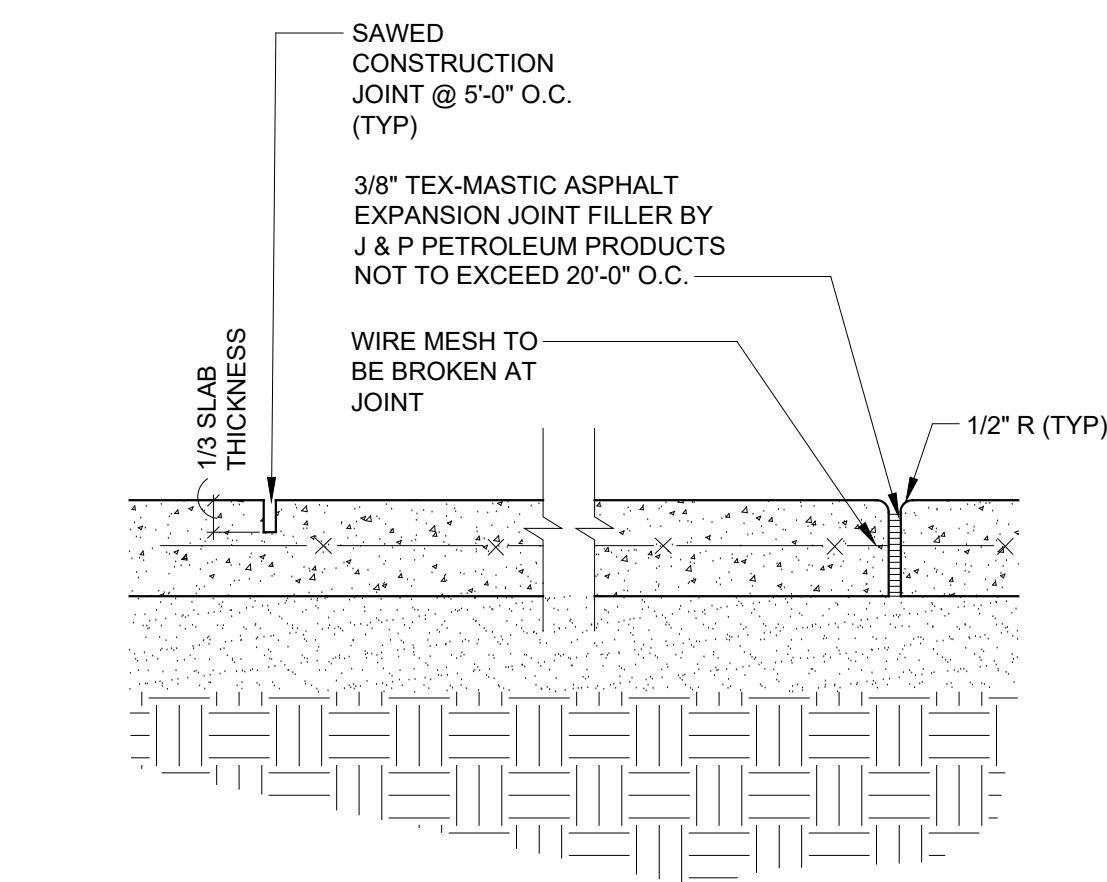
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FILE NUMBER: 2002

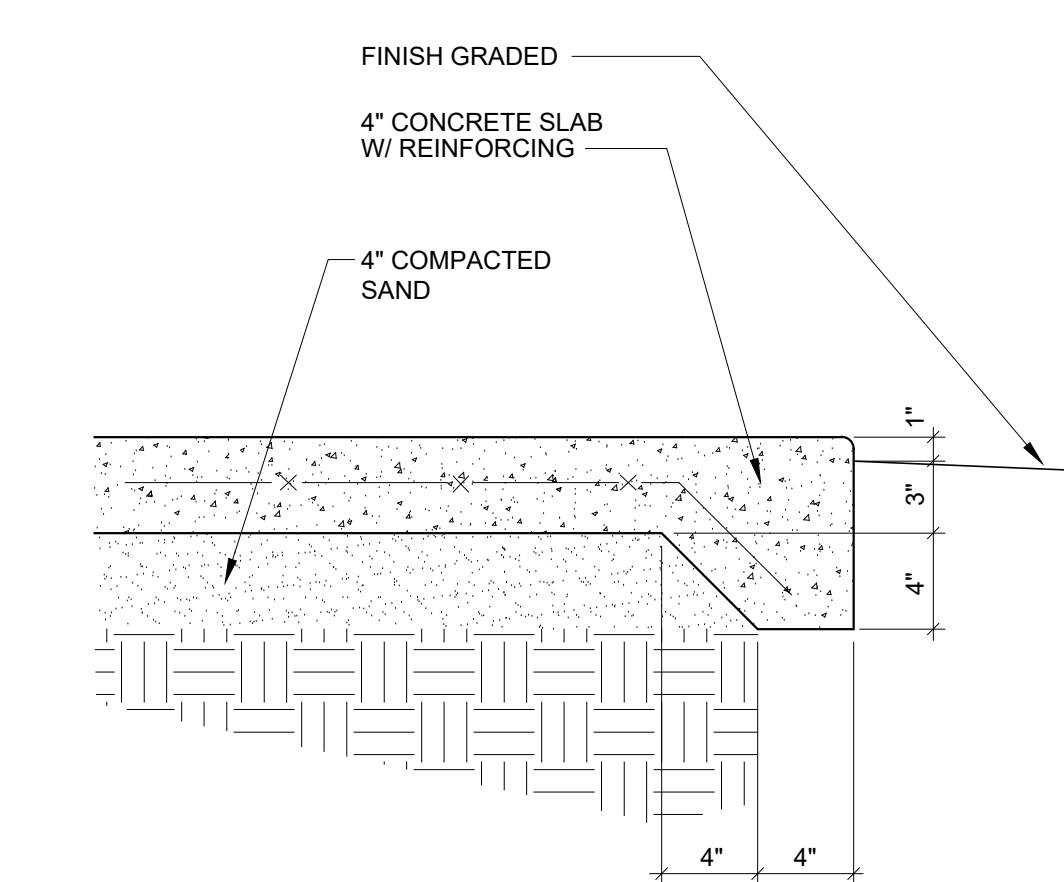
SHEET TITLE: SITE PLAN

DATE: March 6, 2020
REVISION DATE:

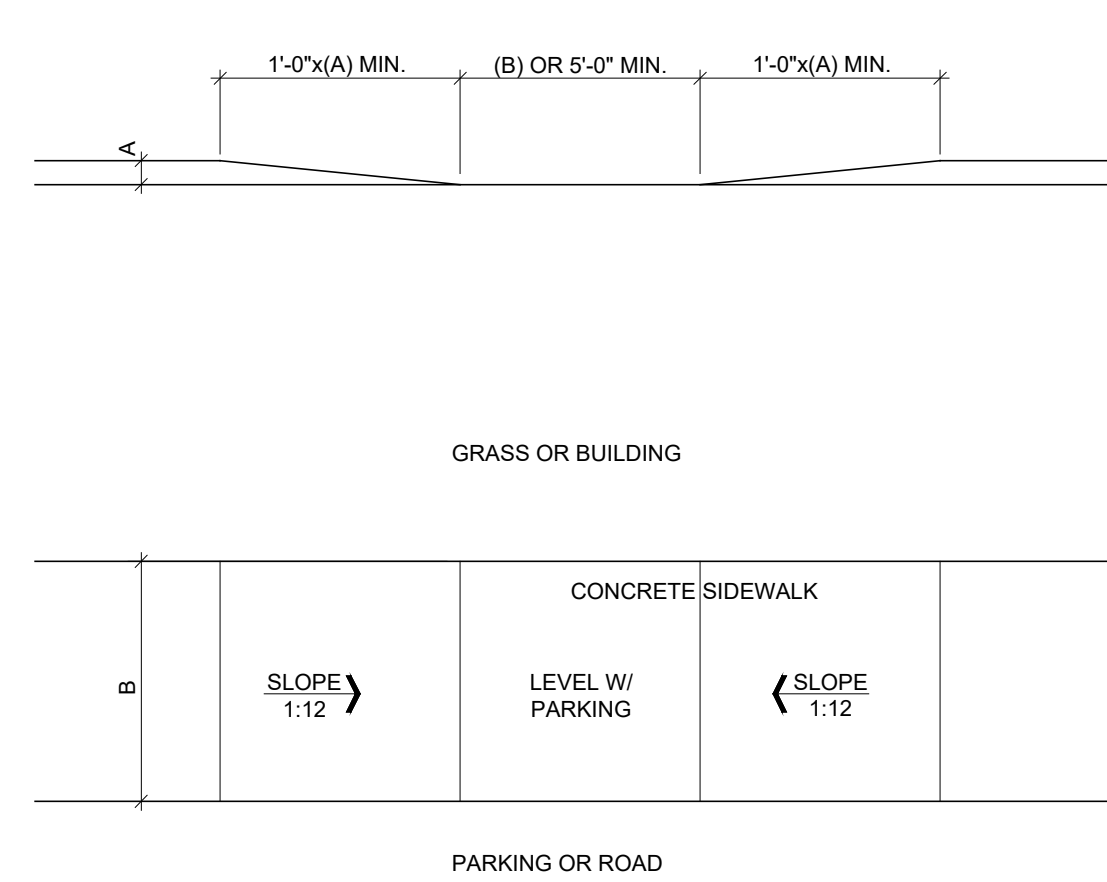
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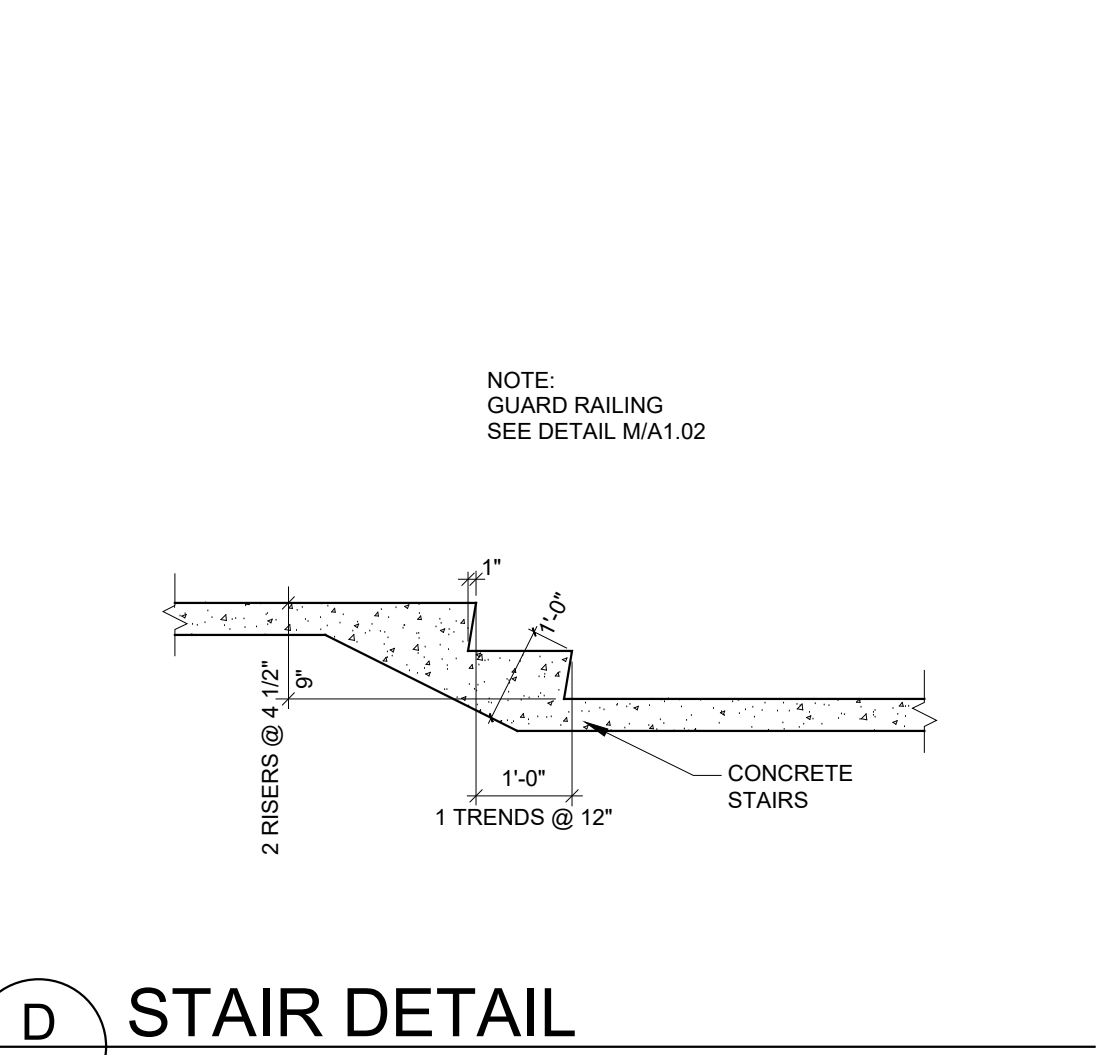
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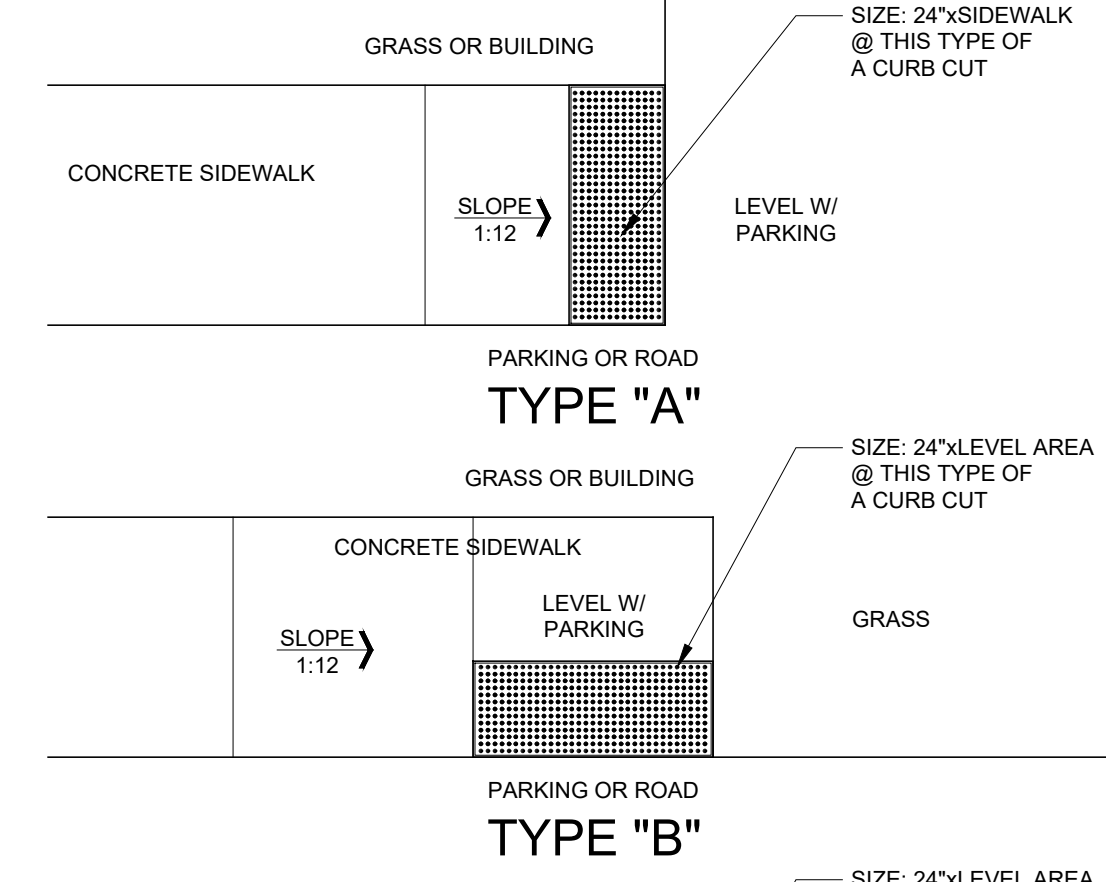
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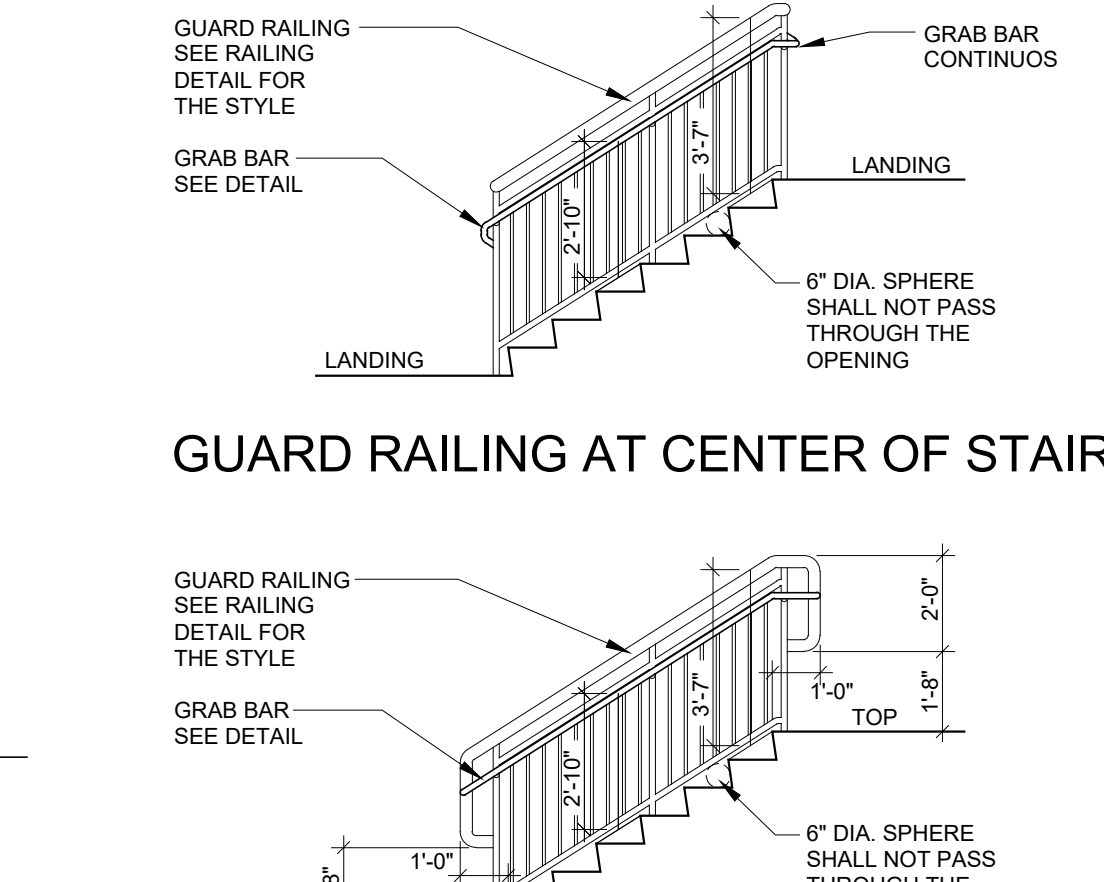
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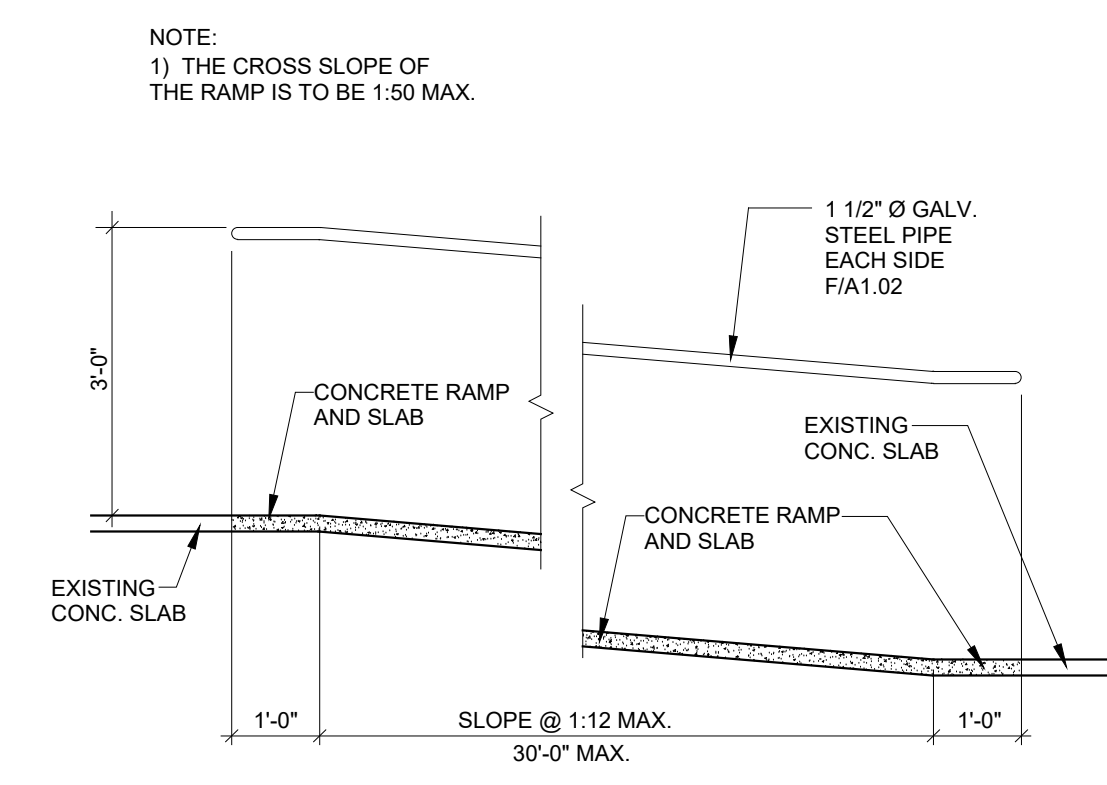
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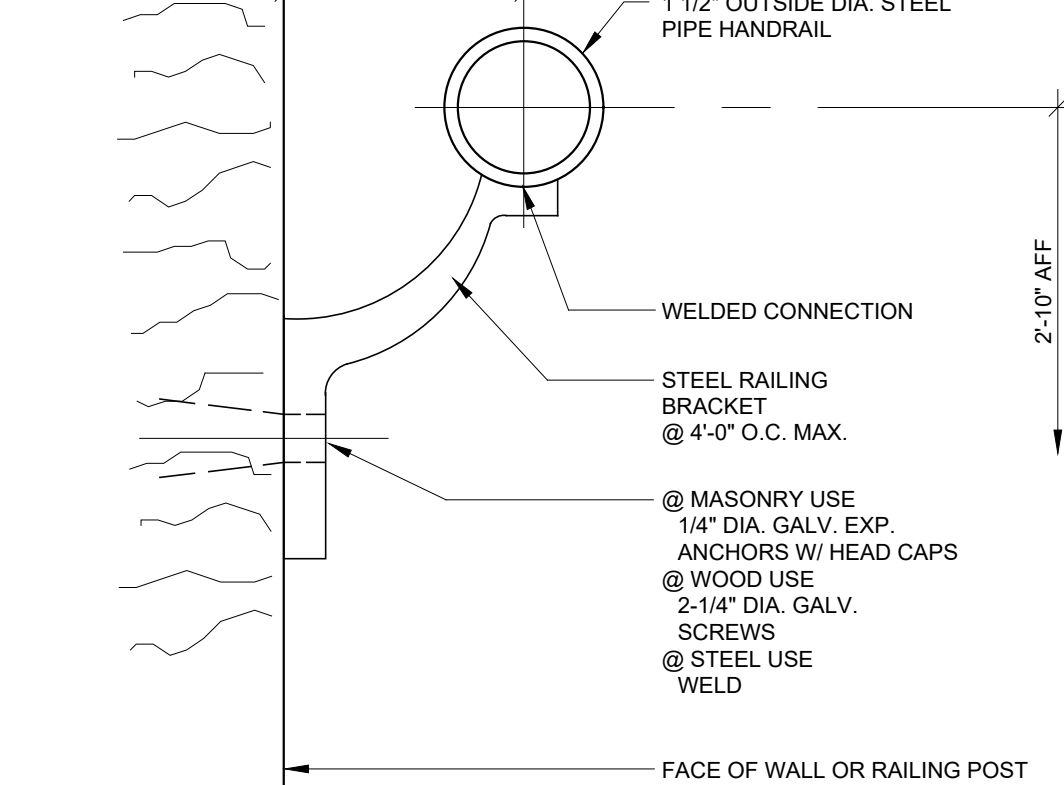
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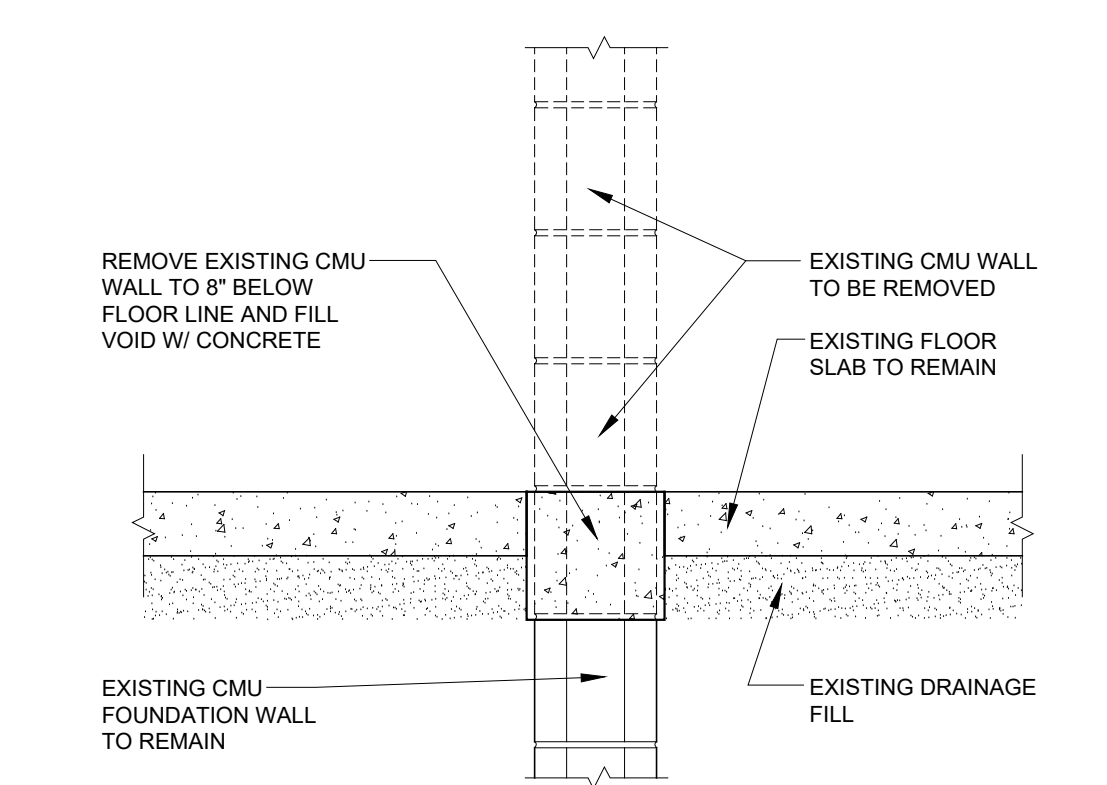
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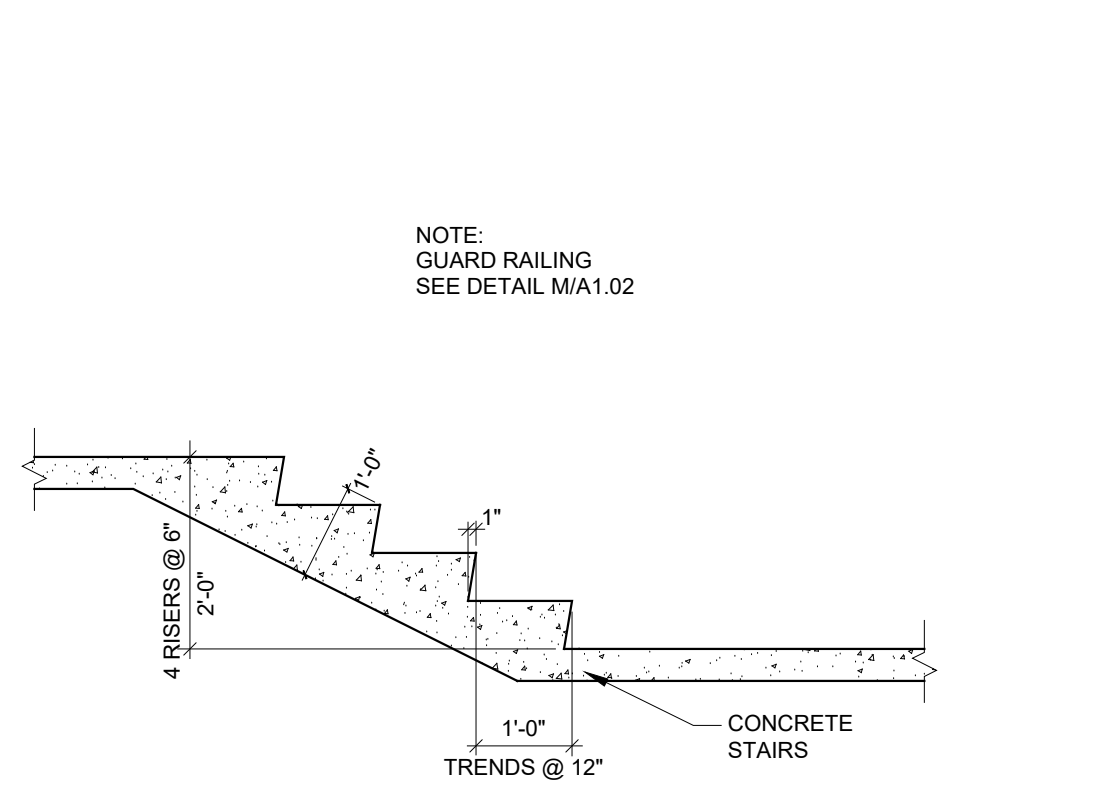
G RAMP DETAIL
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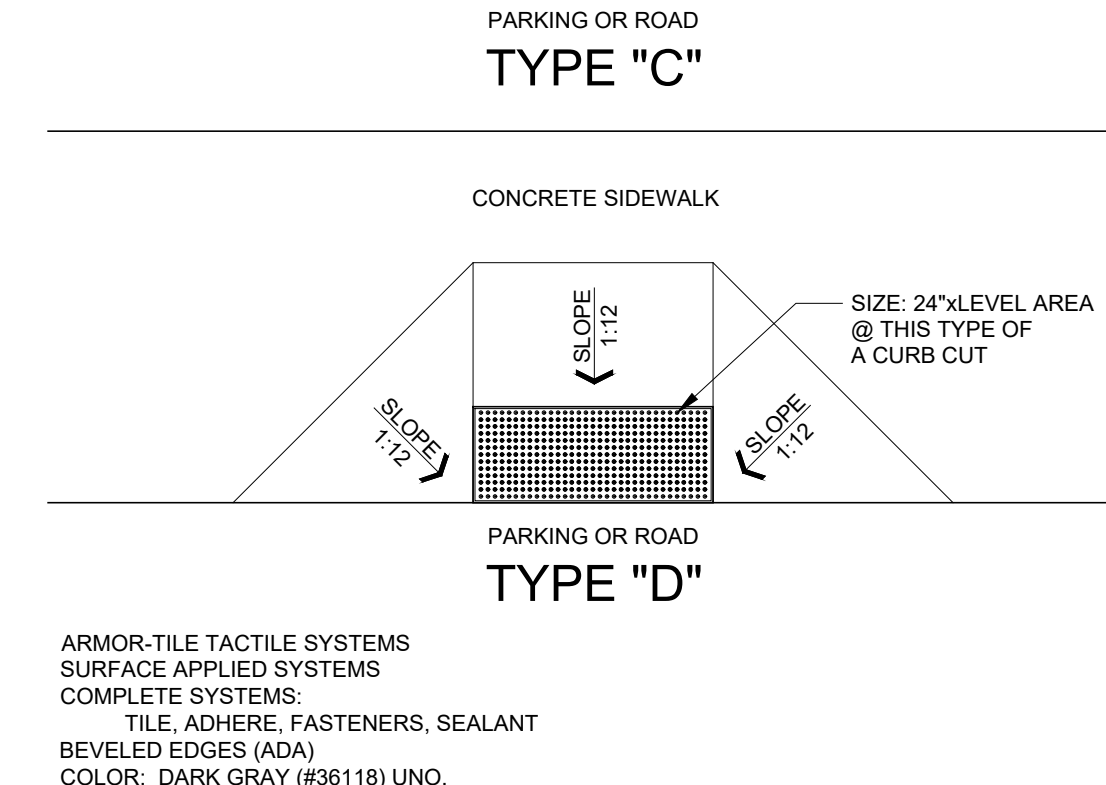
H STEEL GRAB BAR
A1.02 SCALE: 6\"/>



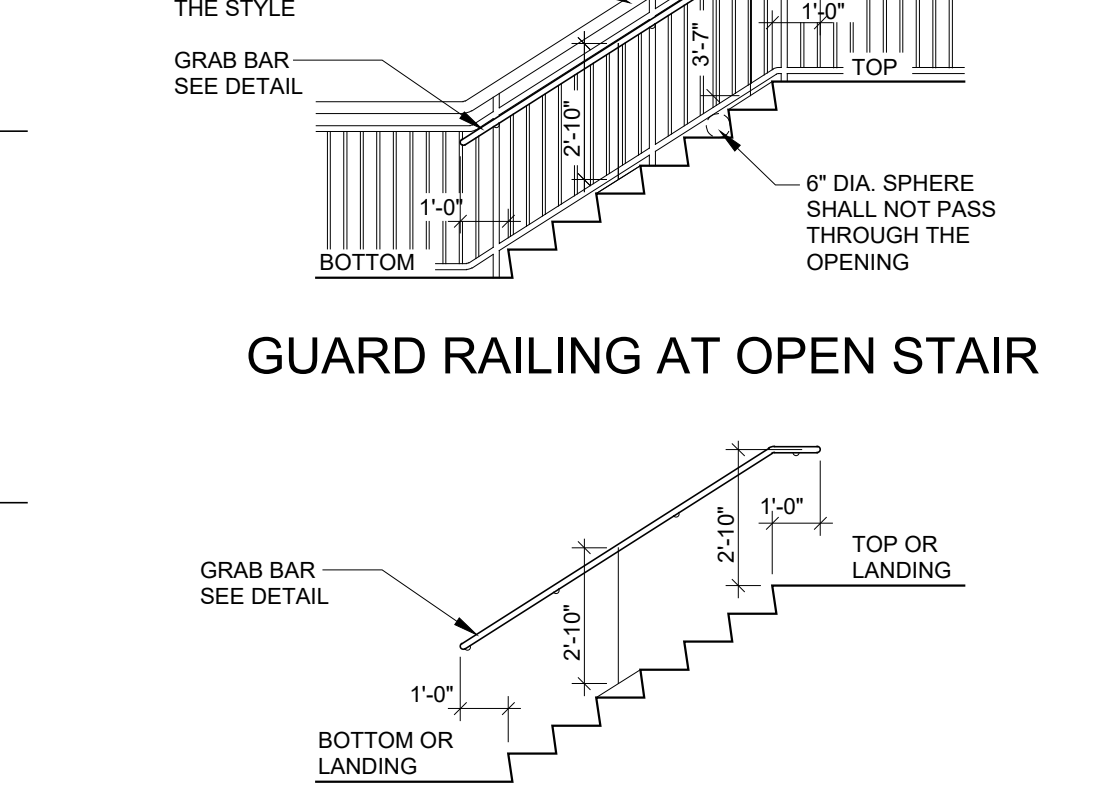
I TYPICAL PATCH @ SLAB
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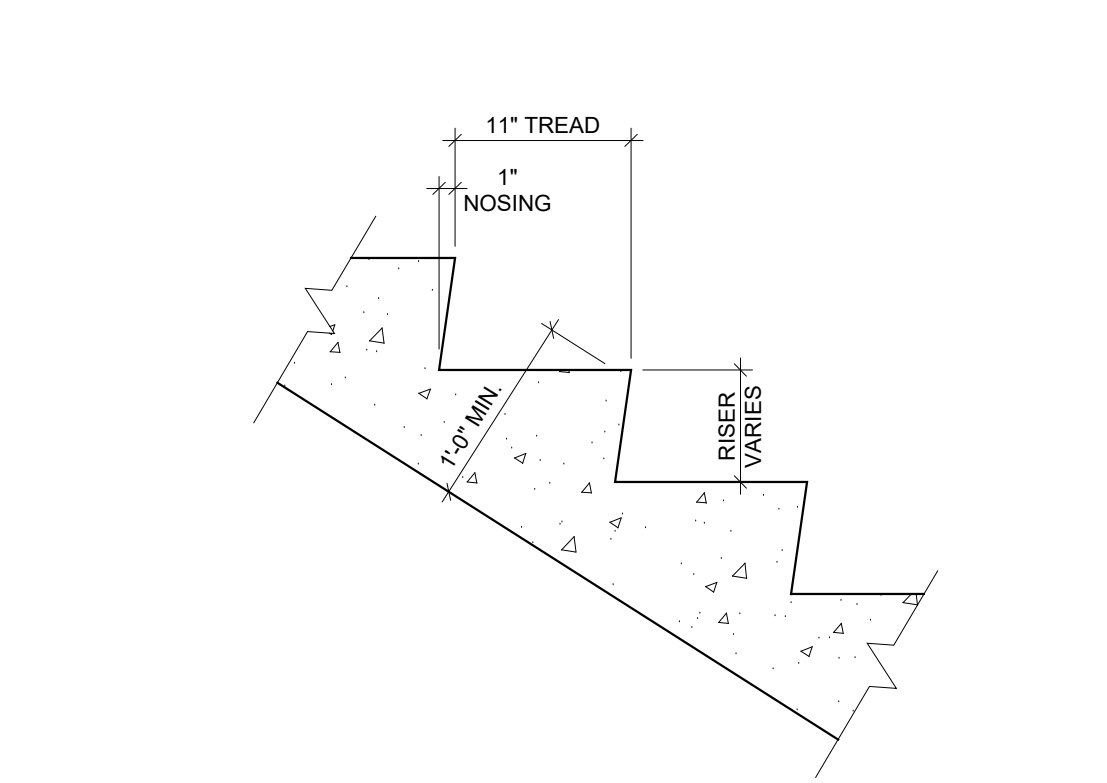
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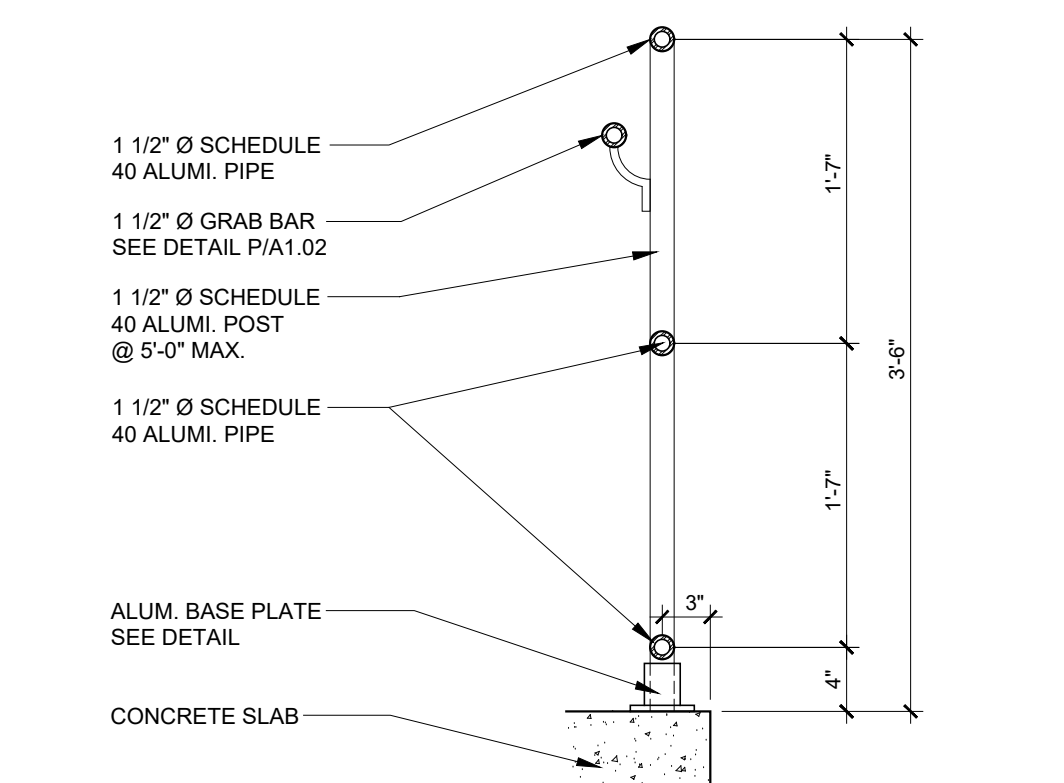
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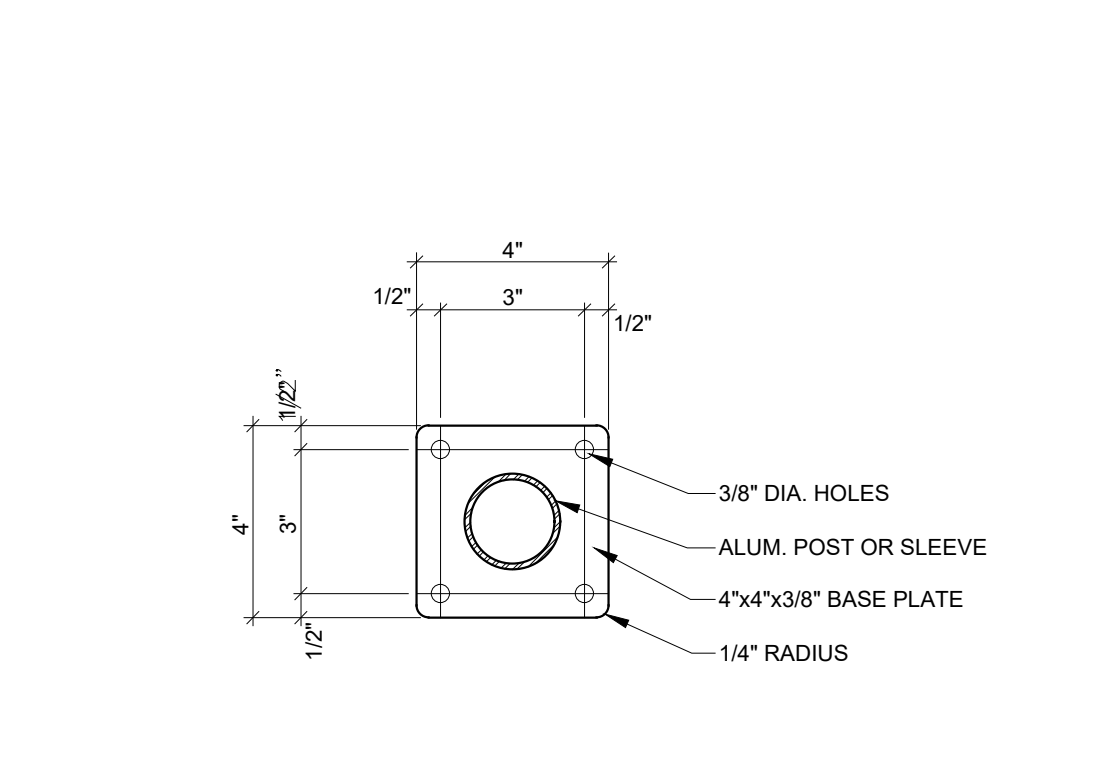
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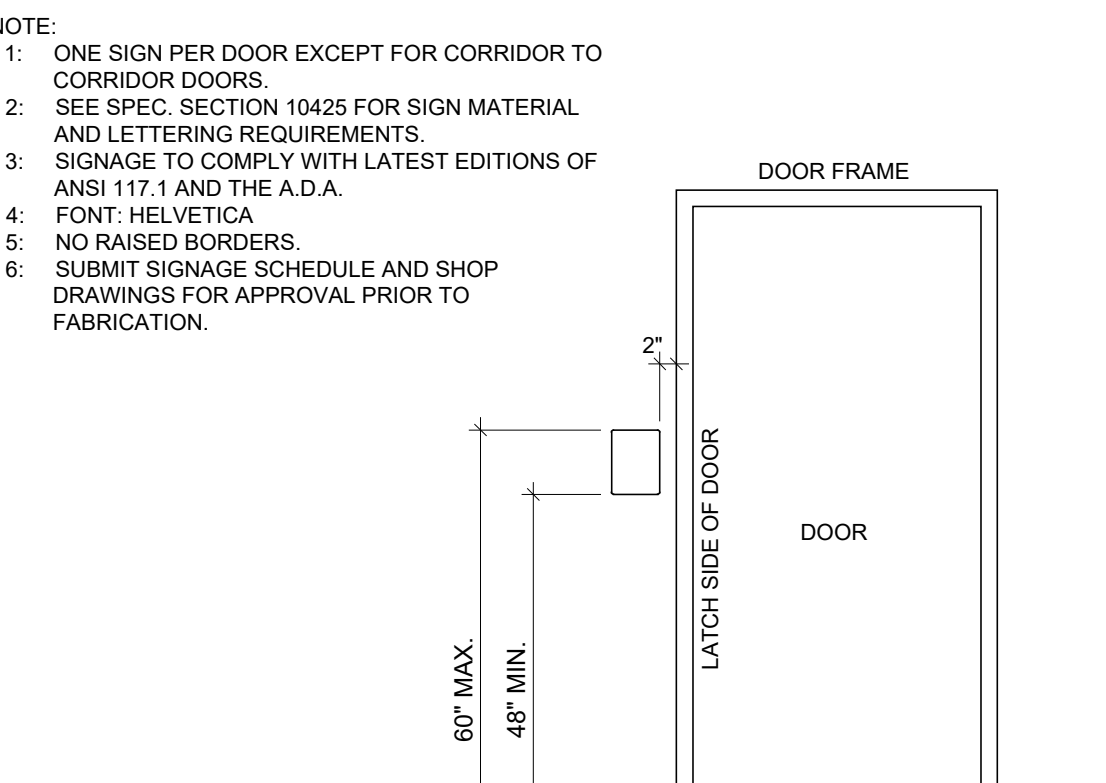
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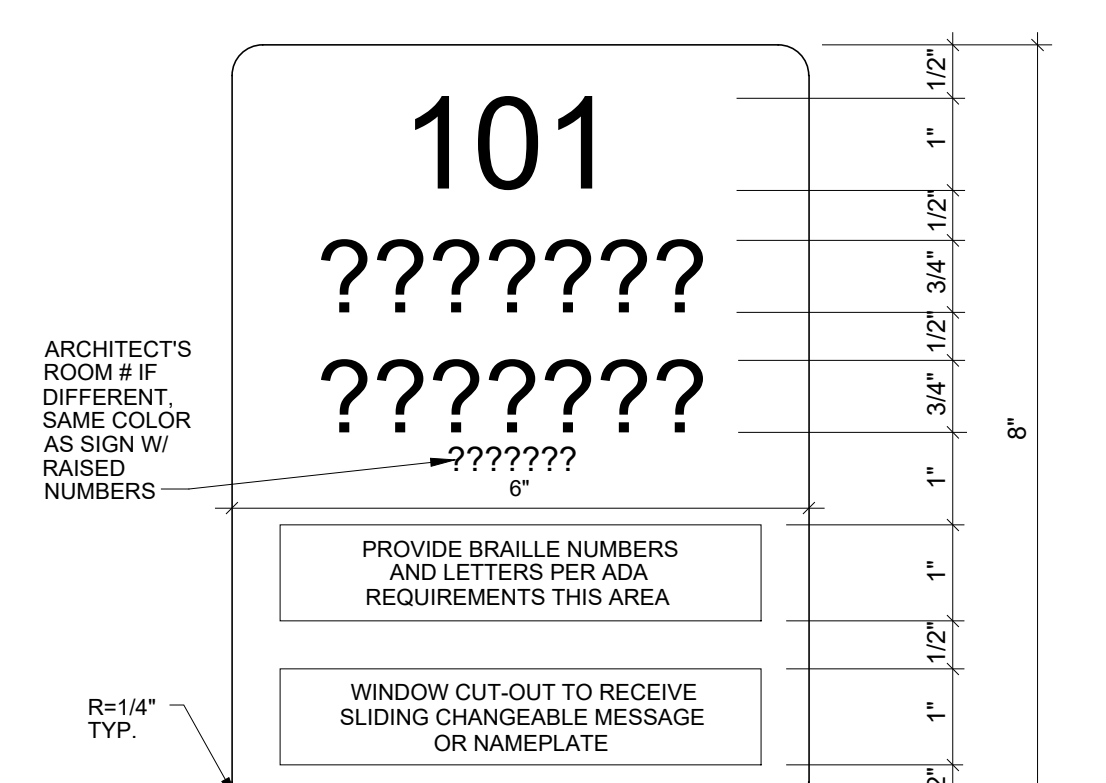
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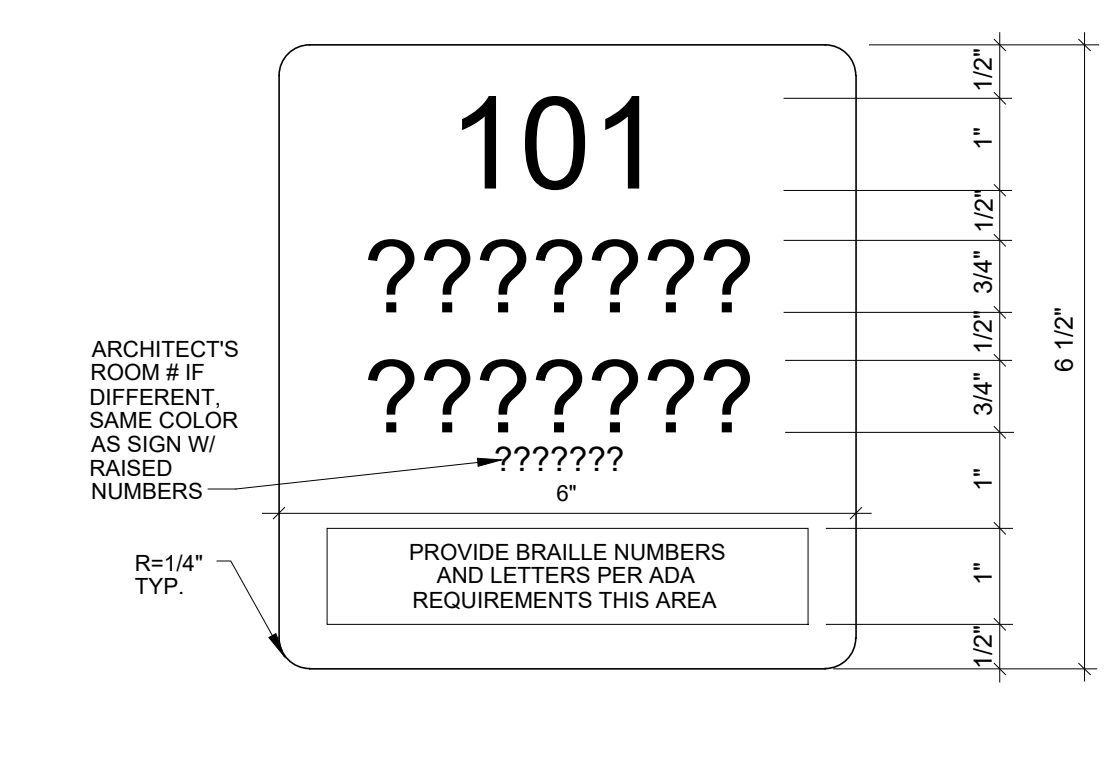
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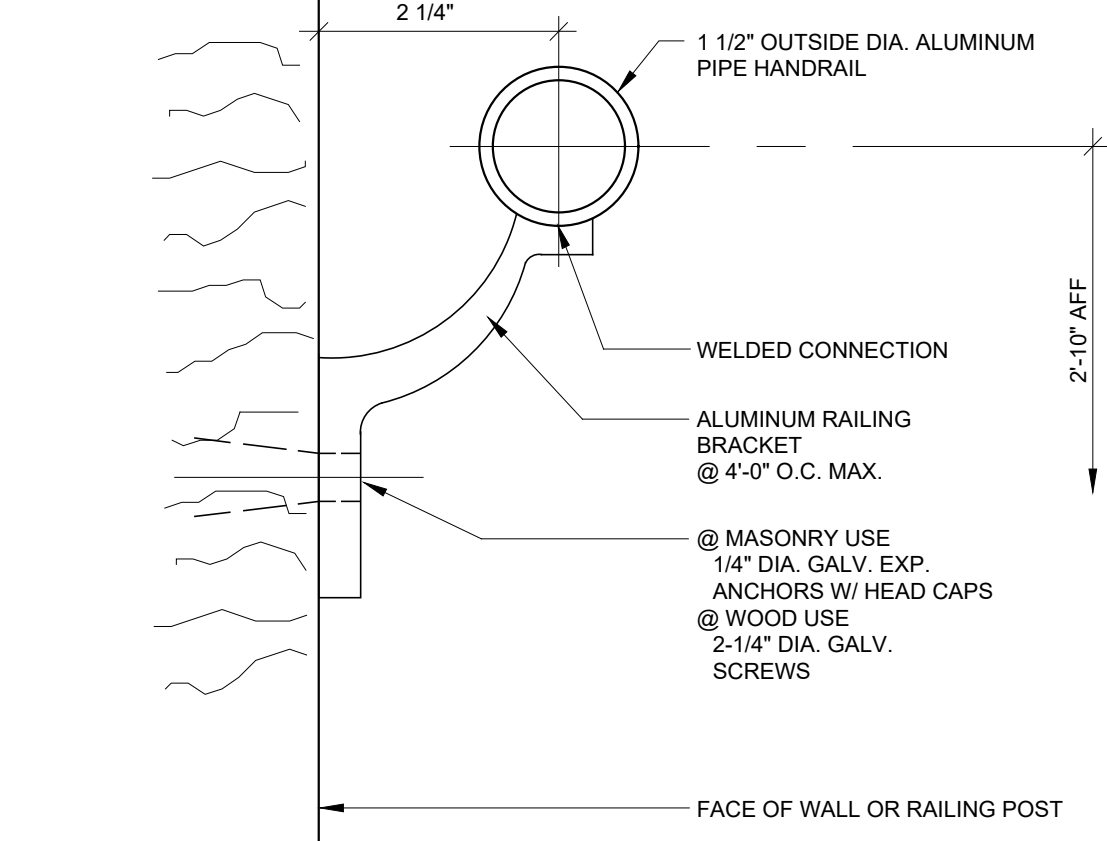
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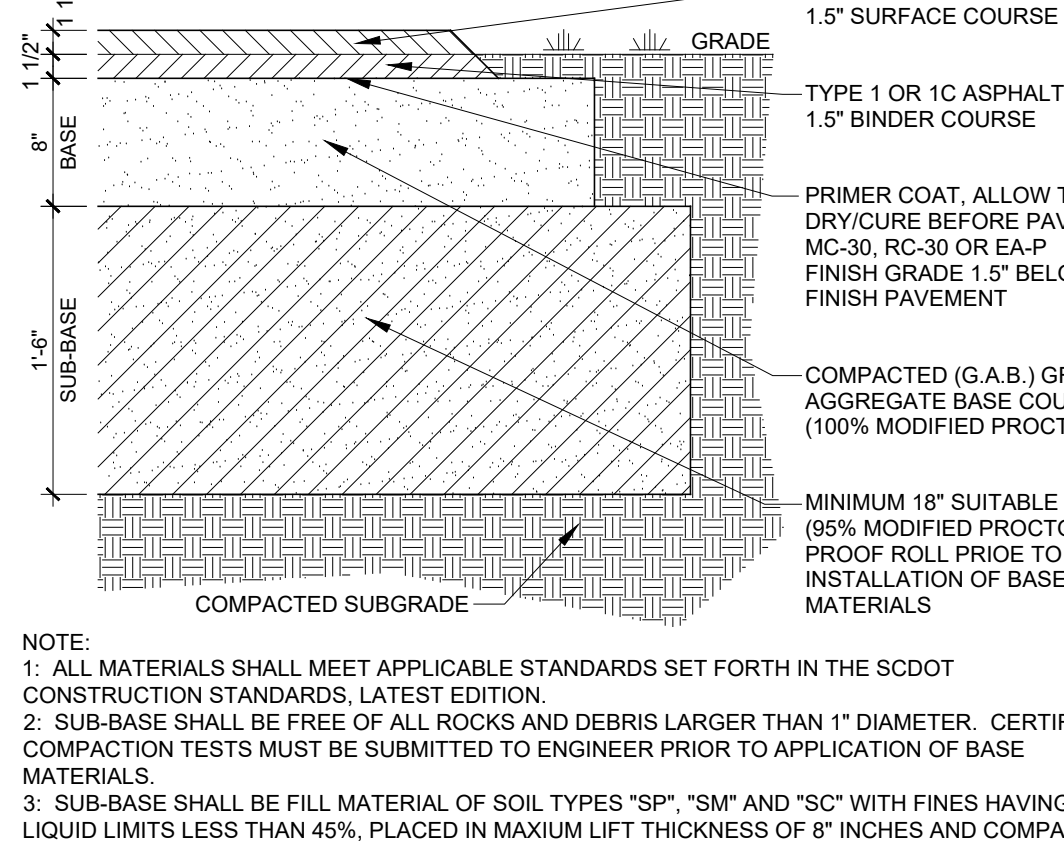
Q GRAB BAR AT WALL
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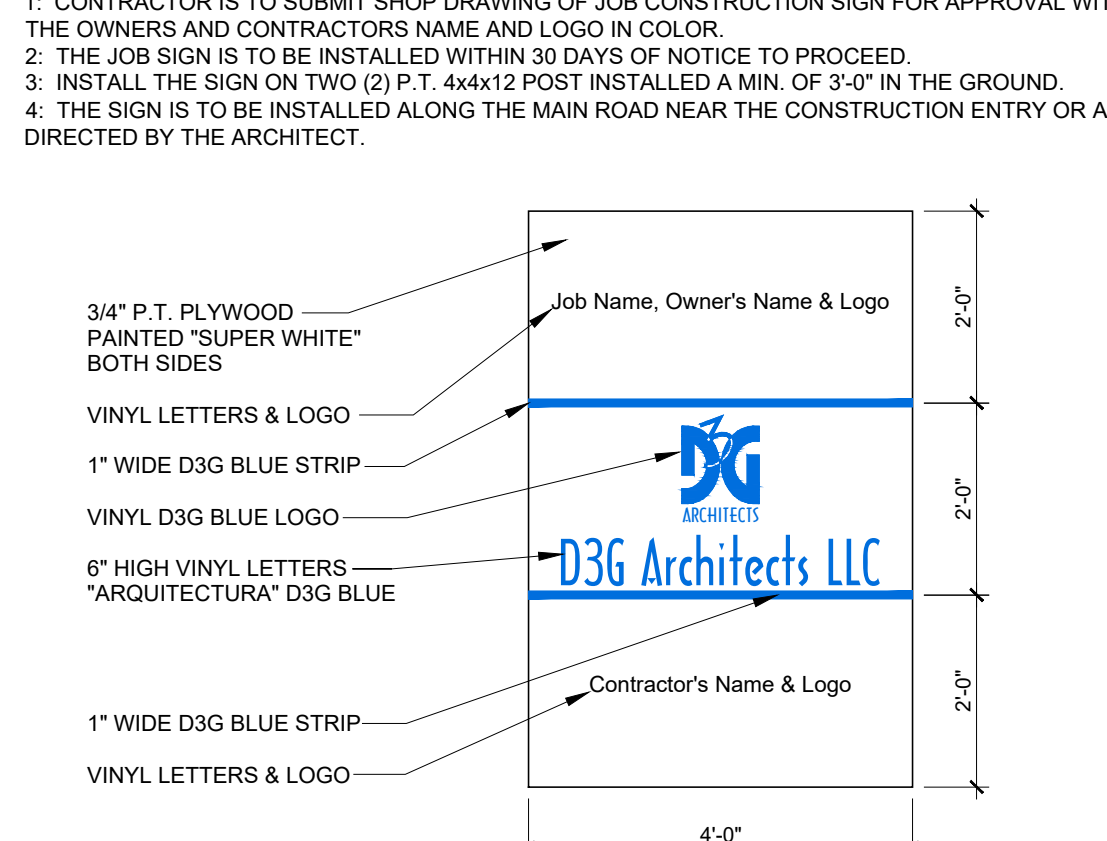
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A1.02 SCALE: 1/4" = 1'-0"



S ALUMINUM GRAB BAR
A1.02 SCALE: 6\"/>



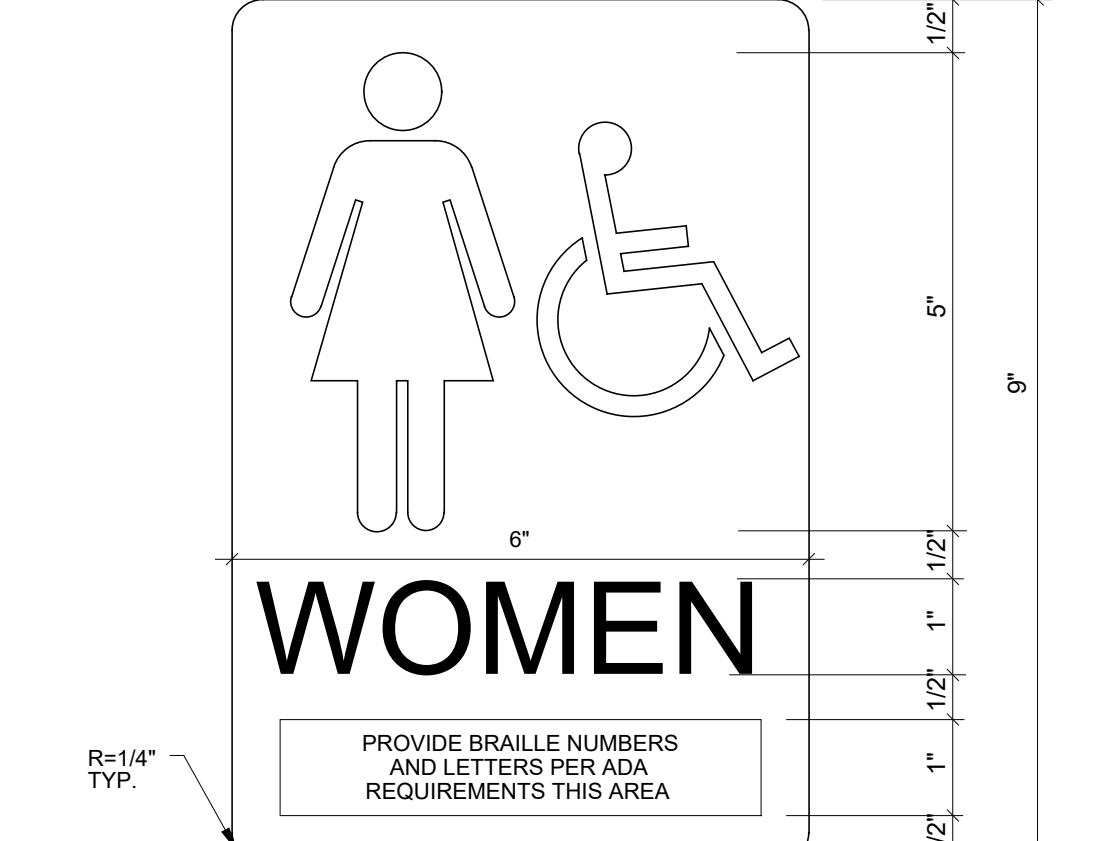
T PAVING DETAIL
A1.02 SCALE: 1\"/>



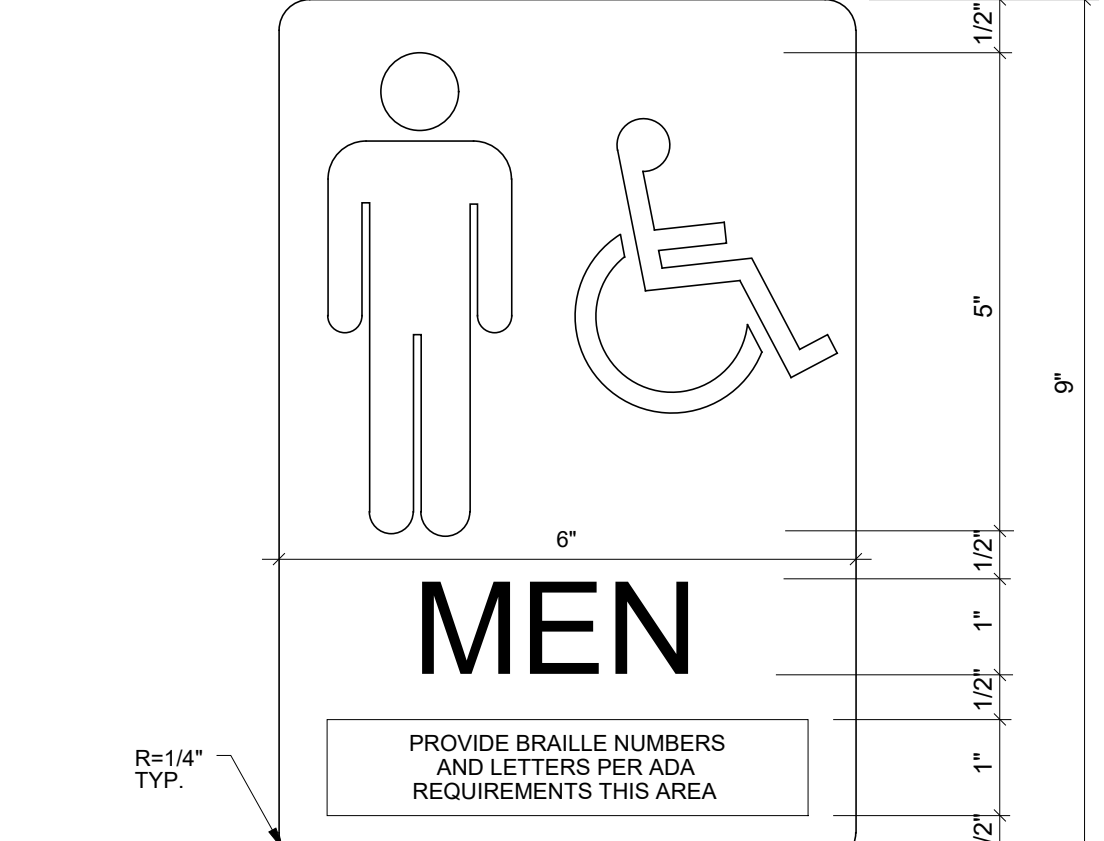
U D3G ARCHITECTS JOB CONSTRUCTION SIGN
A1.02 SCALE: 1/2" = 1'-0"



V TYPICAL DOOR SIGN
A1.02 SCALE: 6\"/>



W SIGN \"A\"
A1.02 SCALE: 1/4" = 1'-0"



X SIGN \"B\"
A1.02 SCALE: 1/4" = 1'-0"



Y SIGN \"C\"
A1.02 SCALE: 1/4" = 1'-0"



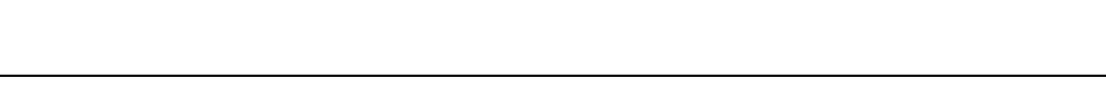
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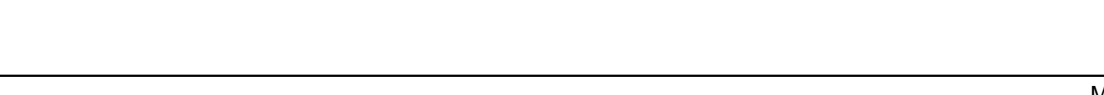
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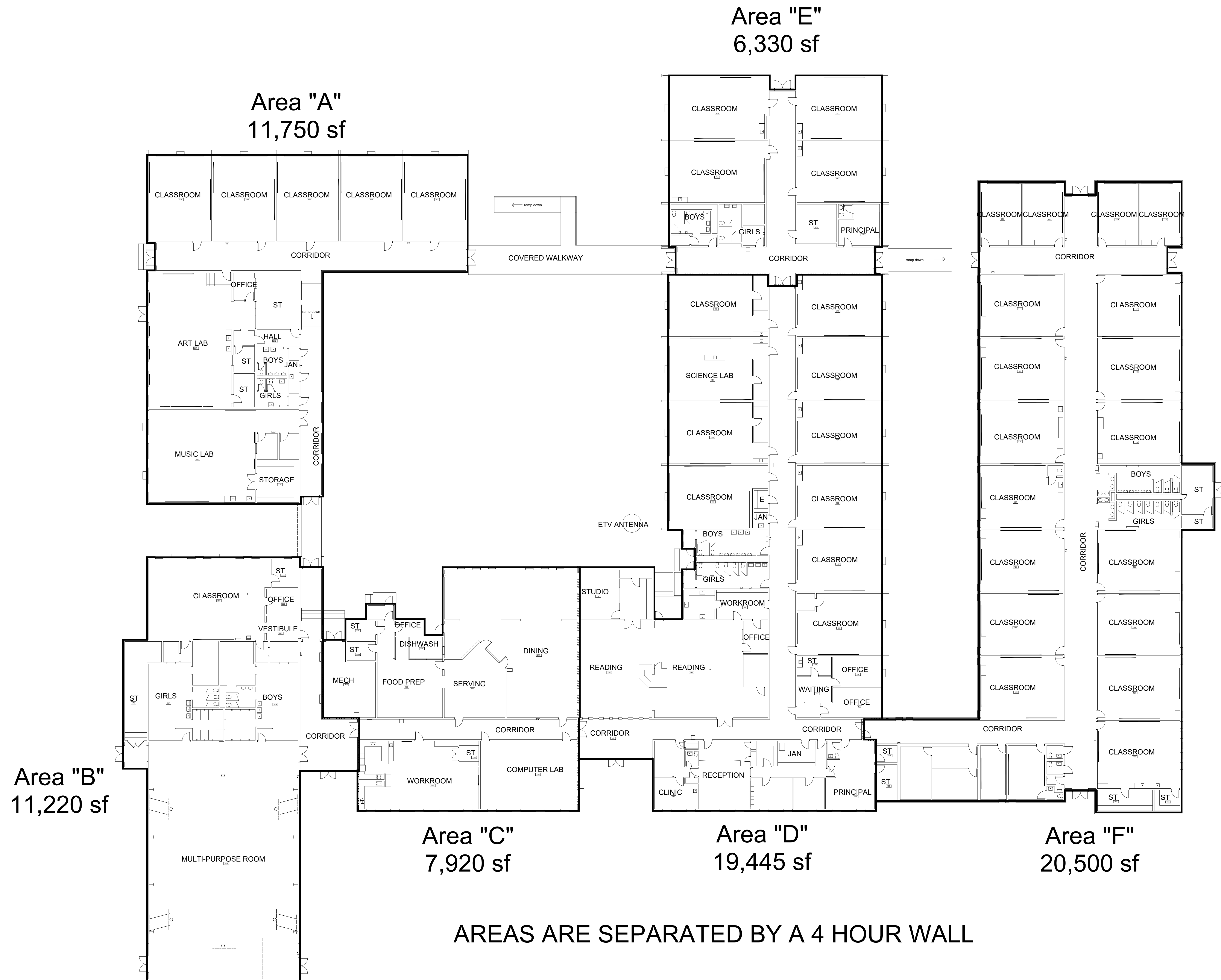
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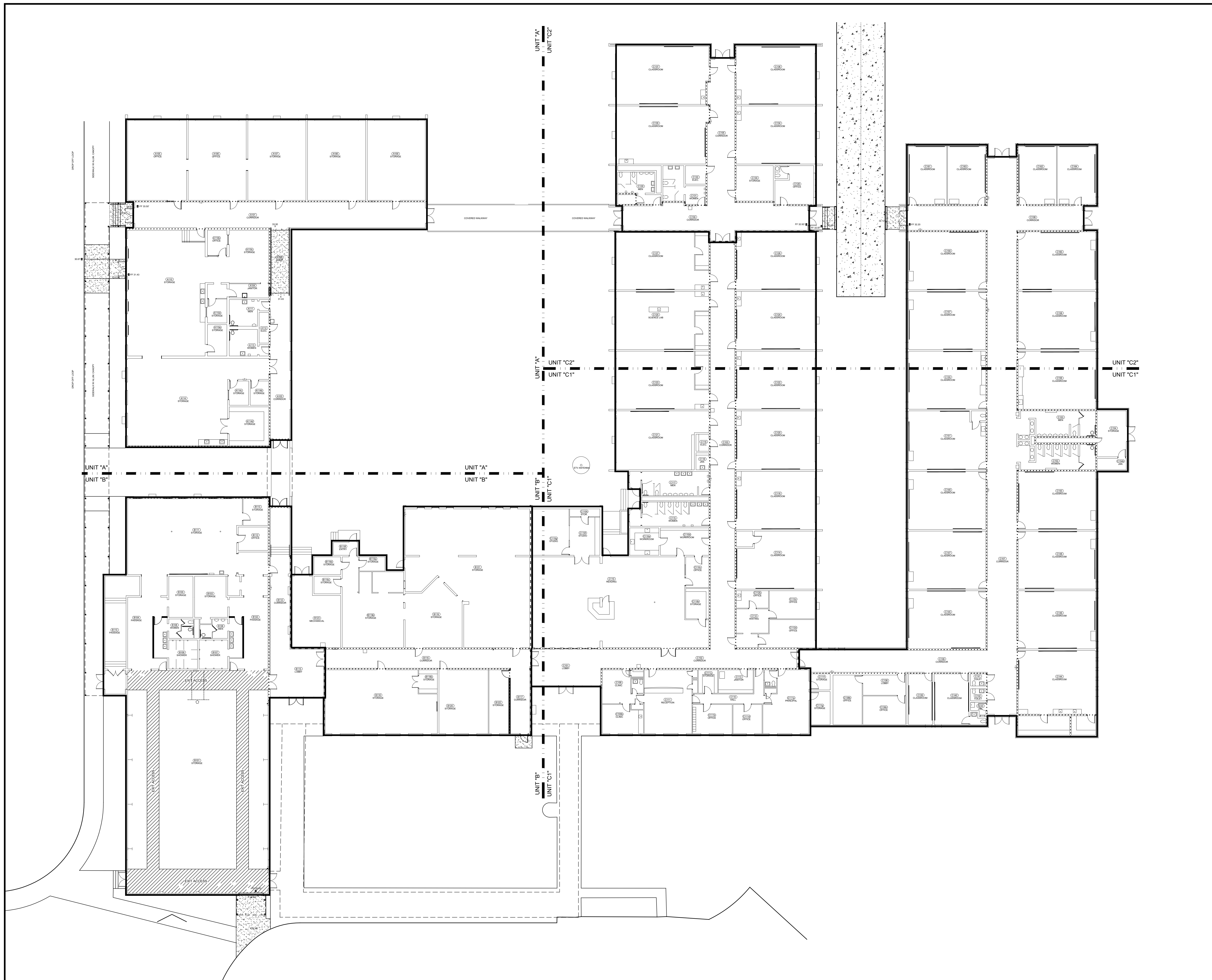


AC SIGN \"G\"
A1.02 SCALE: 1/4" = 1'-0"



AD SIGN \"H\"
A1.02 SCALE: 1/4" = 1'-0"





GENERAL DEMOLITION NOTES:

- A. ALL SURFACES DISTURBED BY DEMOLITION AND / OR CONSTRUCTION ACTIVITIES ARE TO BE RESTORED TO MATCH SURROUNDING SURFACES, AS FOLLOWS.
1. FLOOR FINISHES: RESTORED TO MATCH THE EXISTING SURROUNDING FLOORING FINISH AND BASE FINISH.
 2. WALL FINISHES: FINISH AND PAINT WALLS FROM CORNER TO CORNER AND BASE TO CEILING.
 3. CEILING FINISHES: RESTORED TO MATCH THE EXISTING SURROUNDING CEILING FINISH.
- B. ALL OPENINGS CREATED BY DEMOLITION AND / OR CONSTRUCTION ACTIVITIES (I.E. FOR WALLS, DOORS, WINDOWS, OPENINGS, DUCTS, ELECTRIC PANELS, CONDUIT, PLUMBING FIXTURES, ETC.) ARE TO BE PATCHED WITH MATERIALS THAT MATCH SURROUNDING SURFACES, AS FOLLOWS.
1. CMU WALLS ARE TO BE CLOSED WITH MATCHING THICKNESS, COURSEING AND MASONRY UNITS AND TOOTHED INTO ADJACENT WALLS. MAINTAIN OR RESTORE FIRE RATINGS AT ALL LOCATIONS.
 2. STEEL STUD WALLS ARE TO BE CLOSED WITH MATCHING STUD THICKNESS AND GAUGE AND MATCHING THICKNESS OF GYPSUM BOARD. MAINTAIN OR RESTORE FIRE RATINGS AT ALL LOCATIONS.
 3. WOOD STUD WALLS ARE TO BE CLOSED WITH MATCHING STUD THICKNESS AND MATCHING THICKNESS OF GYPSUM BOARD. MAINTAIN OR RESTORE FIRE RATINGS AT ALL LOCATIONS.
 4. FLOOR OPENINGS 2'-0" Wx12" OR LARGER ARE TO BE FILL IN WITH CONCRETE. MAINTAIN OR RESTORE FIRE RATINGS AT ALL LOCATIONS.
 5. FLOOR OPENINGS SMALLER THAN 2'-0" Wx12" ARE TO BE FILL WITH "S10" CONCRETE EPOXY FILLER.

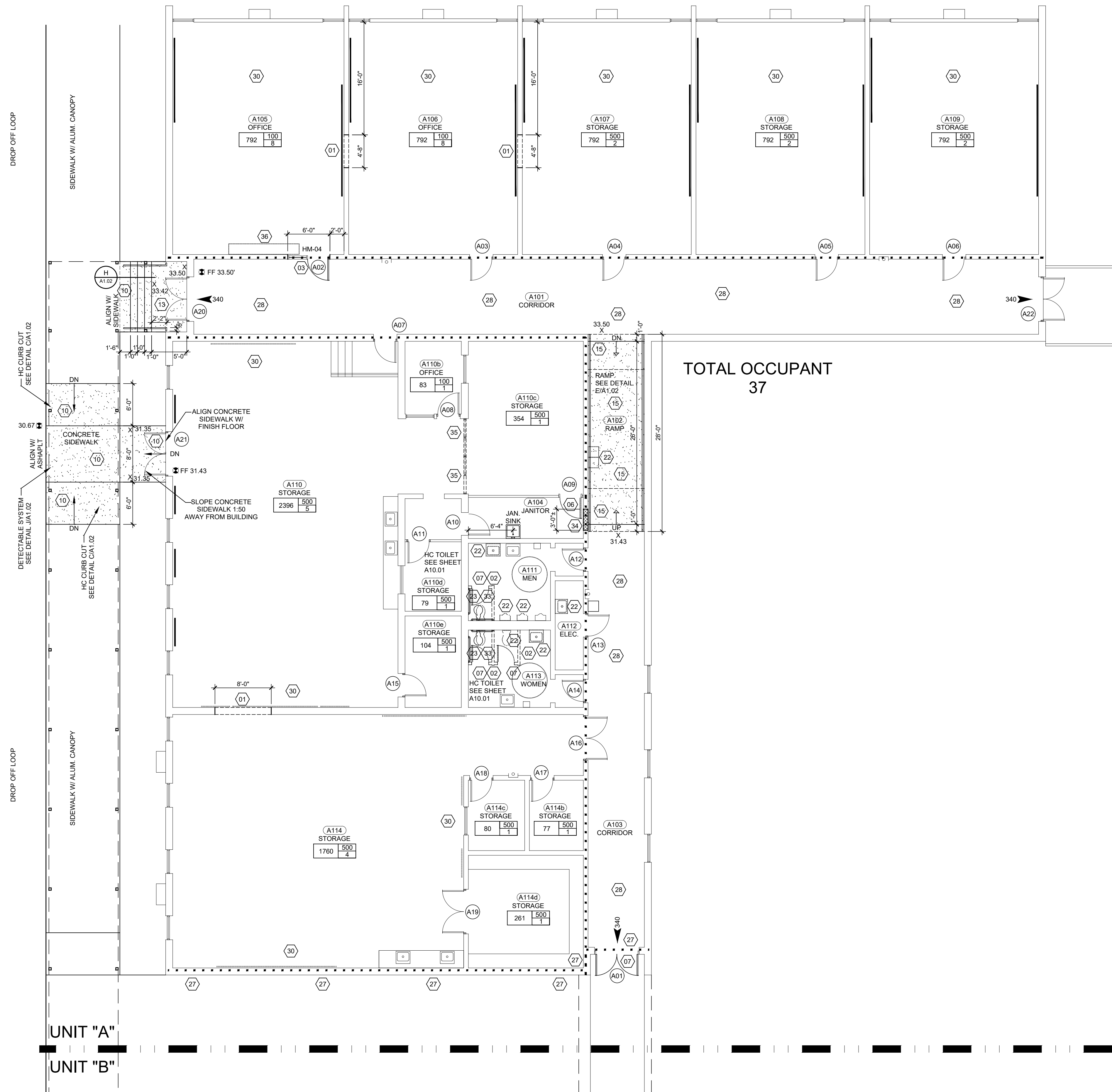
DEMOLITION & RENOVATION

KEYED NOTES: (4) KEY NOTES TYPICAL

1. REMOVE EXISTING MASONRY WALL TO 8'-0" AFF AND INSTALL A STRUCTURAL LINTEL PER THE STRUCTURAL DRAWINGS. TOOTH IN THE MASONRY PER THE DETAIL 3/A1.03. REMOVE THE CMU WALL 8" BELOW THE SLAB AND PATCH THE SLAB PER THE DETAIL 0/A1.02. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
2. REMOVE EXISTING MASONRY WALL. TOOTH IN THE MASONRY PER THE DETAIL. REMOVE THE CMU WALL 8" BELOW THE SLAB AND PATCH THE SLAB PER THE DETAIL 0/A1.02. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
3. REMOVE EXISTING MASONRY WALL TO INSTALL A HOLLOW METAL FRAME, DOOR & STRUCTURAL LINTEL. TOOTH IN THE MASONRY PER THE DETAIL 3/A1.03. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
4. REMOVE EXISTING WINDOW AND WINDOW SILL. CLOSE OPENING WITH MATCHING MATERIALS AND TOOTH IN THE MASONRY PER THE DETAIL "S3". PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
5. REMOVE EXISTING DOOR, HOLLOW METAL FRAME AND HARDWARE.
6. REMOVE EXISTING DOOR AND HARDWARE.
7. REMOVE EXISTING DOOR, HOLLOW METAL FRAME AND HARDWARE AND REPLACE PER THE DOOR SCHEDULE.
8. REMOVE EXISTING STEEL STUDS, INSULATION AND GYPSUM BOARD WALL. COORDINATE WITH STRUCTURAL DRAWINGS. PATCH ADJACENT WALLS AND FLOOR PER GENERAL DEMOLITION NOTE "B".
9. REMOVE EXISTING STEEL STUDS, INSULATION AND GYPSUM BOARD WALL AS REQUIRED FOR INSTALLATION OF DOOR, FRAME, HARDWARE AND LINTEL. PATCH ADJACENT WALLS AND FLOOR PER GENERAL DEMOLITION NOTE "B".
10. REMOVE EXISTING CONCRETE SIDEWALK. SAW CUT FOR CLEAN EDGE.
11. REMOVE ASPHALT PAVING AND GRAVEL BASE. SAW CUT FOR CLEAN EDGE.
12. REMOVE CONCRETE CURB AND GUTTER. SAW CUT FOR CLEAN EDGE.
13. REMOVE EXTERIOR CONCRETE RAMP OR STAIRS AND RAILINGS. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B". FILL ANY VOIDS WITH TOP SOIL AND SEED.
14. REMOVE 18" TALL ALUMINUM ROOF COVERING, STRUCTURAL LIGHTS, WIRING, ETC. FROM BRICK WING WALL EDGE TO BRICK WING WALL EDGE. COVER EXPOSED EDGE WITH MATCHING MATERIALS. ARCHITECT IS TO BE ON SITE TO REVIEW THE EXPOSED EDGE BEFORE IT IS COVERED. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
15. REMOVE EXISTING INTERIOR 28'-0" LF OF CONCRETE RAMP AND SLAB.
16. REMOVE FENCE. FILL IN VOID WITH TOP SOIL AND SEED.
17. REMOVE SIGN AND POST. FILL IN VOID WITH TOP SOIL AND SEED.
18. REMOVE TREE AND SCRUBS AND ITS ROOT SYSTEM. FILL IN VOID WITH TOP SOIL AND SEED.
19. INSTALL A "RUSKIN" BD23 CURTAIN TYPE STATIC FIRE DAMPERS IN THE SUPPLY AND RETURN AT THE CMU WALL. 1 1/2 HOUR UL555 RATED. ENCLUDE ALL OPTIONS NEED FOR THE 1 HOUR RATINGS.
20. INSTALL A "RUSKIN" BD23 CURTAIN TYPE STATIC FIRE DAMPERS IN THE SUPPLY AND RETURN AT THE CMU WALL. 1 1/2 HOUR UL555 RATED. ENCLUDE ALL OPTIONS NEED FOR THE 3 HOUR RATING.
21. ---
22. REMOVE EXISTING PLUMBING FIXTURES. CAP ALL WATER, SEWER AND ELECTRICAL LINES FLUSH WITH THE WALL OR FLOOR OR ABOVE THE CEILING. PATCH WALLS PER GENERAL DEMOLITION NOTE "B".
23. REMOVE EXISTING WATER CLOSET FIXTURE. FINISH FLOORING, SEWER LINE, TOILET CONNECTION AND CONCRETE TO INSTALL A WATER CLOSET AT THE LOCATION SHOWN ON SHEET A10.01. CONNECT WATER CLOSET TO THE TOILET CONNECTION AND WATER LINE AND PATCH CONCRETE PER DEMOLITION NOTE "B". INSTALL THE FLOOR FINISH PER DEMOLITION PLAN "A".
24. REMOVE TOILET PARTITION. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "0/A1.02".
25. REMOVE KITCHEN EQUIPMENT. CAP ALL GAS, WATER, SEWER AND ELECTRICAL LINES FLUSH WITH THE WALL OR FLOOR OR ABOVE THE CEILING. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "0/A1.02".
26. REMOVE THE EXISTING PLATFORM, WALLS, CEILING, STAIRS, RAMP, ELECTRICAL FIXTURES, SOUND SYSTEM PANEL, SPEAKERS AND ELECTRICAL LINES. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "0/A1.02".
27. 1 HOUR RATING. FIRE CAULK ALL OPENINGS IN THIS WALL ON EXTERIOR AND INTERIOR. SEE FIRE RATING DETAILS.
28. FIRE RATED CAULK ALL OPENING IN THIS CORRIDOR ON THE WALLS AND CEILING. SEE FIRE RATING DETAILS.
29. REMOVE EXISTING METAL OR WOOD PANELS FROM THE STOREFRONT AND CAULK THE STOREFRONT TO THE MASONRY. CAULK THE GLASS TO THE STOREFRONT AND PATCH THE SCREW HOLES IN THE STOREFRONT. SEE ALLOWANCE FOR REPLACING EXISTING BROKEN GLASS IN STOREFRONT.
30. REMOVE MARKER BOARD AND TACK BOARD IN THIS ROOM. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
31. REMOVE PVC DRAINAGE LINE. FILL IN VOID WITH TOP SOIL AND SEED.
32. RELOCATED BENCH AS SHOWN ON SITE PLAN. FILL IN VOID WITH TOP SOIL AND SEED.
33. REMOVE TOILET GRAB BARS AND TOILET DISPENSERS AT THIS TOILET.
34. INSTALL A 8" CMU WALL IN THE MASONRY OPENING. TOOTH IN THE MASONRY SIMILAR TO THE DETAIL "3/A1.03".
35. REMOVE HOLLOW METAL FRAME, PANELS AND GLASS TO 7'-0" AFF. INSTALL HOLLOW METAL PANEL TO FINISH OFF ALL EXPOSED HOLLOW METAL FRAME OPENINGS. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "0/A1.02".

EGRESS OCCUPANT LOAD:

- GENERAL DEMOLITION IS TO BE PERFORMED PER THE FOLLOWING:
- EXIT DOORS, STAIRS, & CORRIDORS.
 - OCCUPANT LOAD OF ONE (1)
- SQUARE FOOTAGE OF SPACE
- | | | |
|-----|----|----------------------|
| 800 | 20 | OCCUPANT LOAD FACTOR |
| | | TOTAL OCCUPANT LOAD |



GENERAL DEMOLITION NOTES:

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 2. STEEL STUD WALLS ARE TO BE CLOSED WITH MATCHING STUD THICKNESS AND GAUGE AND MATCHING THICKNESS OF GYPSUM BOARD. MAINTAIN OR RESTORE FIRE RATINGS AT ALL LOCATIONS.
 3. FLOOR OPENINGS 2'0" Wx12'0" OR LARGER ARE TO BE FILLED WITH CONCRETE. MAINTAIN OR RESTORE FIRE RATINGS AT ALL LOCATIONS.
 4. FLOOR OPENINGS 2'0" Wx12'0" OR LARGER ARE TO BE FILLED WITH CONCRETE. MAINTAIN OR RESTORE FIRE RATINGS AT ALL LOCATIONS.
 5. FLOOR OPENINGS SMALLER THAN 2'0" Wx12'0" ARE TO BE FILLED WITH "STO" CONCRETE EPOXY FILLER.

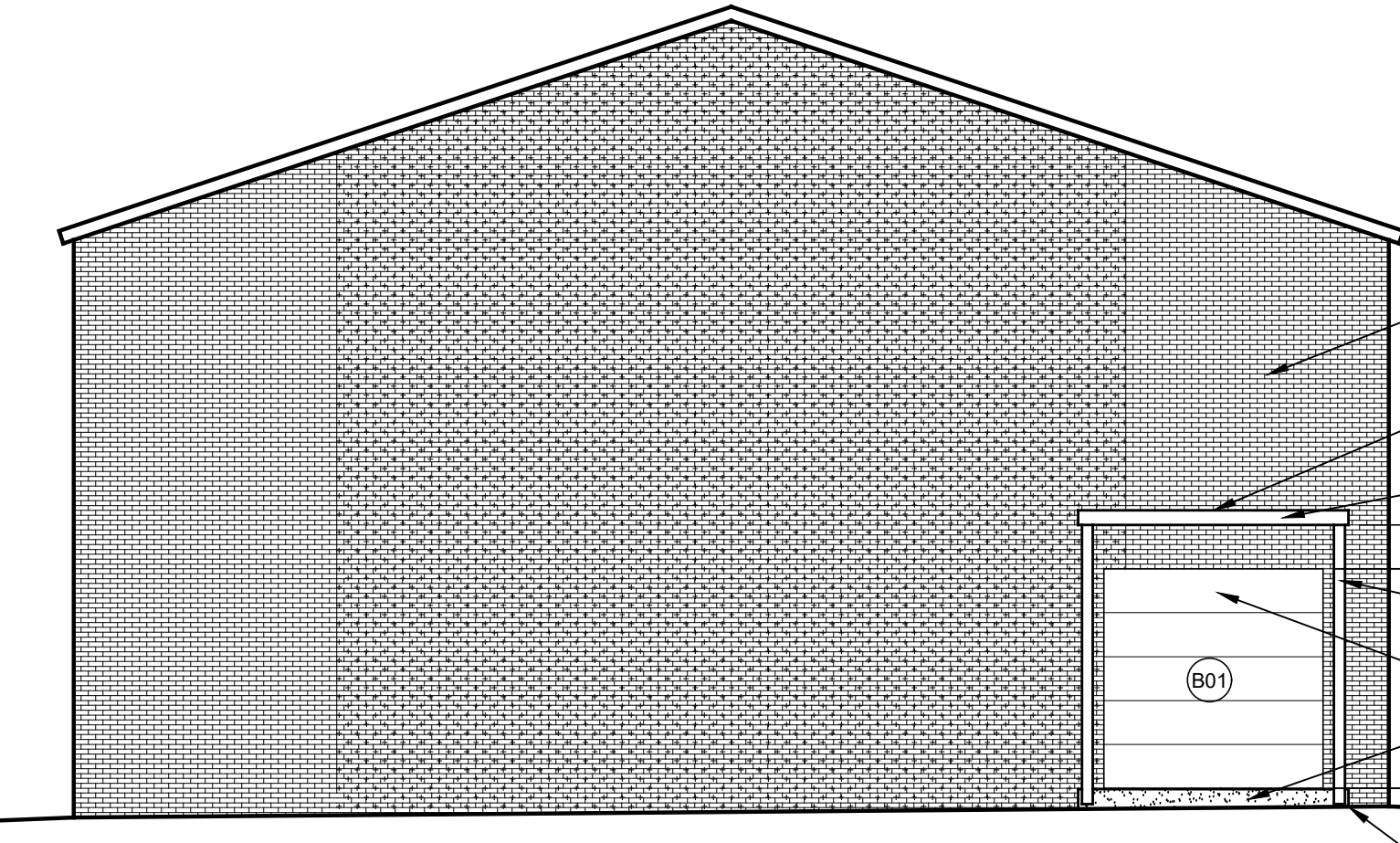
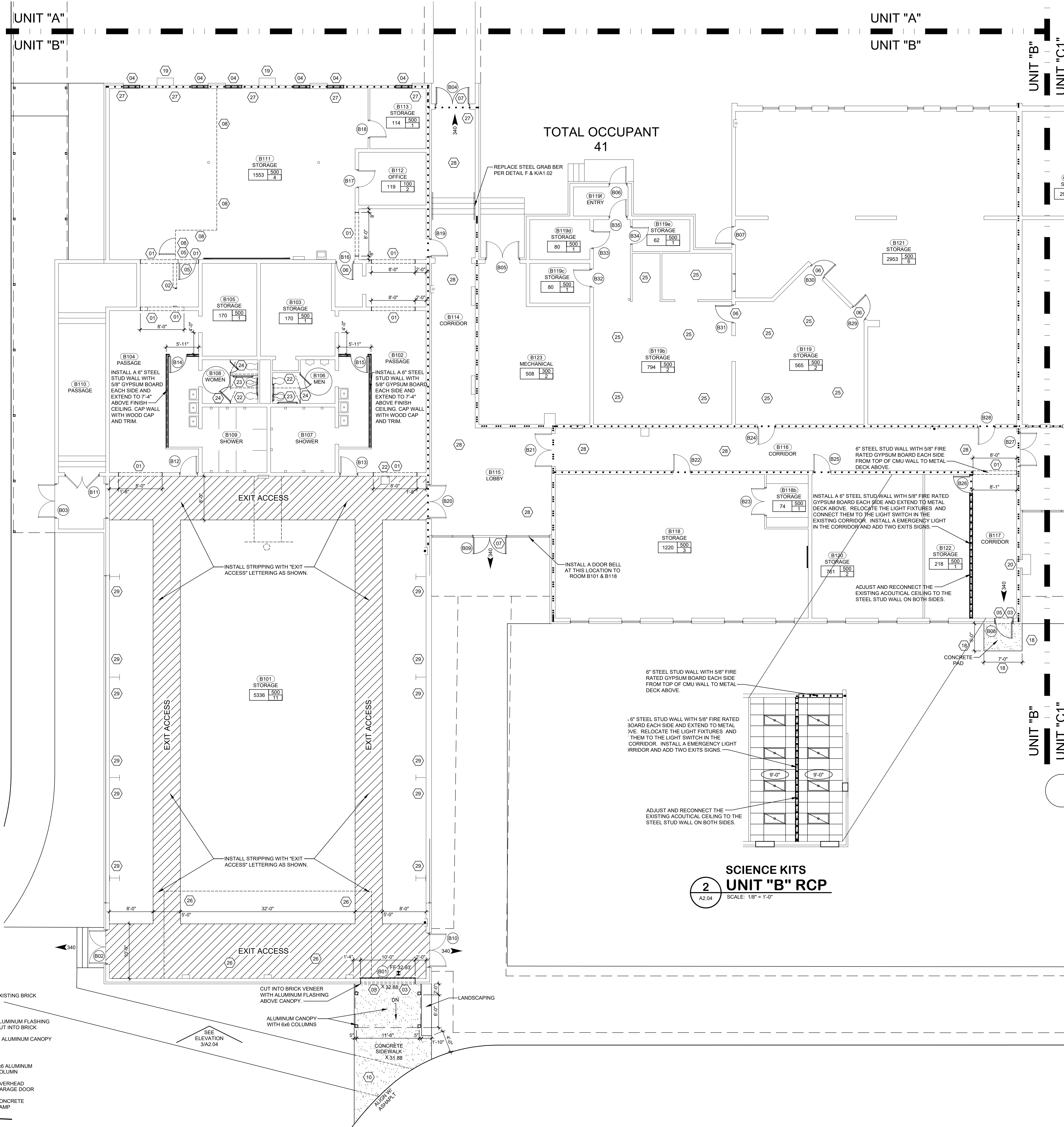
DEMOLITION & RENOVATION KEYED NOTES:

(4) KEY NOTES TYPICAL

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2. REMOVE EXISTING MASONRY WALL. TOOTH IN THE MASONRY PER THE DETAIL. REMOVE THE CMU WALL 8" BELOW THE SLAB AND PATCH THE SLAB PER THE DETAIL 3/A1.02. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
3. REMOVE EXISTING MASONRY WALL TO INSTALL A HOLLOW METAL FRAME, DOOR & STRUCTURAL LINTEL. TOOTH IN THE MASONRY PER THE DETAIL 3/A1.03. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
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16. REMOVE FENCE. FILL IN VOID WITH TOP SOIL AND SEED.
17. REMOVE SIGN AND POST. FILL IN VOID WITH TOP SOIL AND SEED.
18. REMOVE TREE AND SCRUBS AND ITS ROOT SYSTEM. FILL IN VOID WITH TOP SOIL AND SEED.
19. INSTALL A "RUSKIN" 1BD23 CURTAIN TYPE STATIC FIRE DAMPERS IN THE SUPPLY AND RETURN AT THE CMU WALL. 2" HOUR UL555 RATED. ENCLUDE ALL OPTIONS NEED FOR THE 1 HOUR RATING.
20. INSTALL A "RUSKIN" 1BD23 CURTAIN TYPE STATIC FIRE DAMPERS IN THE SUPPLY AND RETURN AT THE CMU WALL. 2" HOUR UL555 RATED. ENCLUDE ALL OPTIONS NEED FOR THE 3 HOUR RATING.
21. ---
22. REMOVE EXISTING PLUMBING FIXTURES. CAP ALL WATER, SEWER AND ELECTRICAL LINES FLUSH WITH THE WALL OR FLOOR OR ABOVE THE CEILING. PATCH WALLS PER GENERAL DEMOLITION NOTE "B".
23. REMOVE EXISTING WATER CLOSET FIXTURE. FINISH FLOORING, SEWER LINE, TOILET CONNECTION AND CONCRETE TO INSTALL A WATER CLOSET AT THE LOCATION SHOWN ON SHEET A2.01. CONNECT WATER CLOSET TO THE TOILET CONNECTION AND WATER LINE AND PATCH CONCRETE PER DEMOLITION NOTE "B". INSTALL THE FLOOR FINISH PER DEMOLITION PLAN "A".
24. REMOVE TOILET PARTITION. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL 3/A1.02.
25. REMOVE KITCHEN EQUIPMENT. CAP ALL GAS, WATER, SEWER AND ELECTRICAL LINES FLUSH WITH THE WALL OR FLOOR OR ABOVE THE CEILING. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL 3/A1.02.
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31. REMOVE PVC DRAINAGE LINE. FILL IN VOID WITH TOP SOIL AND SEED.
32. RELOCATED BENCH AS SHOWN ON SITE PLAN. FILL IN VOID WITH TOP SOIL AND SEED.
33. REMOVE TOILET GRAB BARS AND TOILET DISPENSERS AT THIS TOILET.
34. INSTALL A 8" CMU WALL IN THE MASONRY OPENING. TOOTH IN THE MASONRY SIMILAR TO THE DETAIL 3/A1.03.
35. REMOVE HOLLOW METAL FRAME, PANELS AND GLASS TO 7'-0" AFF. INSTALL HOLLOW METAL PANEL TO FINISH OFF ALL EXPOSED HOLLOW METAL FRAME OPENINGS. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL 3/A1.02.

EGRESS OCCUPANT LOAD:

GENERAL DEMOLITION FOR	OCCUPANT LOAD
EXIT DOORS, STAIRS, & CORRIDORS.	OCCUPANT LOAD OF ONE (1)
SQUARE FOOTAGE OF SPACE	800
OCCUPANT LOAD FACTOR	20
TOTAL OCCUPANT LOAD	40



SCIENCE KITS
UNIT "B" ELEVATION

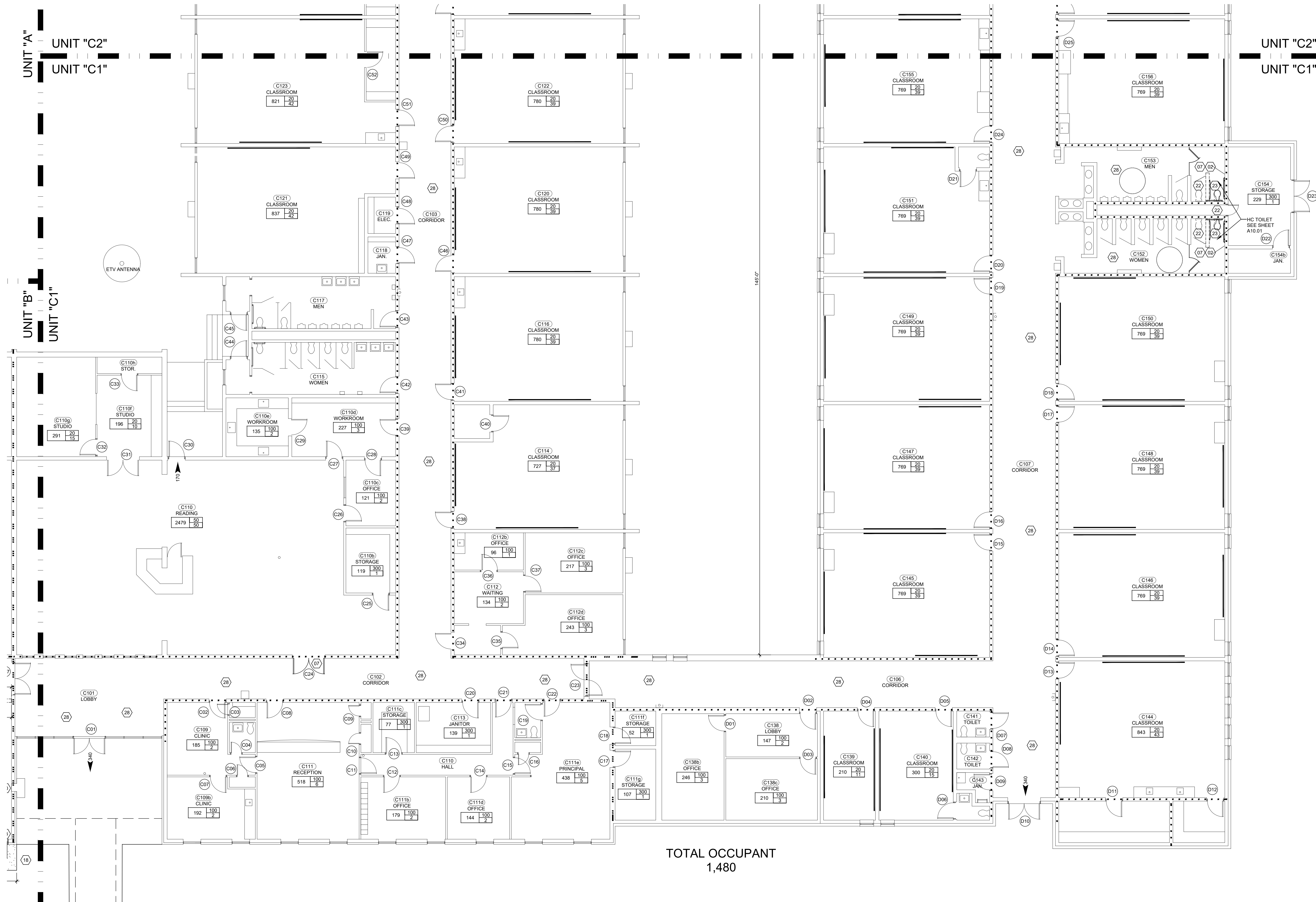
3
A2.04

SCALE: 1/8" = 1'-0"

SCIENCE KITS
UNIT "B" FLOOR PLAN

1
A2.04

SCALE: 1/8" = 1'-0"



GENERAL DEMOLITION NOTES:

- A. ALL SURFACES DISTURBED BY DEMOLITION AND / OR CONSTRUCTION ACTIVITIES ARE TO BE RESTORED TO MATCH SURROUNDING SURFACES, AS FOLLOWS.
1. FLOOR FINISHES: RESTORED TO MATCH THE EXISTING SURROUNDING FLOORING FINISH AND BASE FINISH.
 2. WALL FINISHES: FINISH AND PAINT WALLS FROM CORNER TO CORNER AND BASE TO CEILING.
 3. CEILING FINISHES: RESTORED TO MATCH THE EXISTING SURROUNDING CEILING FINISH.
- B. ALL OPENINGS CREATED BY DEMOLITION AND / OR CONSTRUCTION ACTIVITIES (I.E. FOR WALLS, DOORS, WINDOWS, OPENINGS, DUCTS, ELECTRIC PANELS, CONDUIT, PLUMBING FIXTURES, ETC.) ARE TO BE PATCHED WITH MATERIALS THAT MATCH SURROUNDING SURFACES, AS FOLLOWS.
1. CMU WALLS ARE TO BE CLOSED WITH MATCHING THICKNESS, COURSE AND MASONRY UNITS AND TOOTHED INTO ADJACENT WALLS. MAINTAIN OR RESTORE FIRE RATINGS AT ALL LOCATIONS.
 2. STEEL STUD WALLS ARE TO BE CLOSED WITH MATCHING STUD THICKNESS AND GAUGE AND MATCHING THICKNESS OF GYPSUM BOARD. MAINTAIN OR RESTORE FIRE RATINGS AT ALL LOCATIONS.
 3. WOOD STUD WALLS ARE TO BE CLOSED WITH MATCHING STUD THICKNESS AND MATCHING THICKNESS OF GYPSUM BOARD. MAINTAIN OR RESTORE FIRE RATINGS AT ALL LOCATIONS.
 4. FLOOR OPENINGS 2'-0" Wx12' OR LARGER ARE TO BE FILL IN WITH CONCRETE. MAINTAIN OR RESTORE FIRE RATINGS AT ALL LOCATIONS.
 5. FLOOR OPENINGS SMALLER THAN 2'-0" Wx12' ARE TO BE FILL WITH "STO" CONCRETE EPOXY FILLER.

DEMOLITION & RENOVATION KEYED NOTES:

1. REMOVE EXISTING MASONRY WALL TO 8'-0" AFF AND INSTALL A STRUCTURAL LINTEL PER THE STRUCTURAL DRAWINGS. TOOTH IN THE MASONRY PER THE DETAIL 3/A1.03. REMOVE THE CMU WALL 8" BELOW THE SLAB AND PATCH THE SLAB PER THE DETAIL 3/A1.02. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
2. REMOVE EXISTING WINDOW AND WINDOW SILL. CLOSE OPENING WITH MATCHING MATERIALS AND TOOTH IN THE MASONRY PER THE SHEET "S3". PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
3. REMOVE EXISTING DOOR, HOLLOW METAL FRAME AND HARDWARE.
4. REMOVE EXISTING DOOR, HOLLOW METAL FRAME AND HARDWARE AND REPLACE PER THE DOOR SCHEDULE.
5. REMOVE EXISTING STEEL STUDS, INSULATION AND GYPSUM BOARD WALL. COORDINATE WITH STRUCTURAL DRAWINGS. PATCH ADJACENT WALLS AND FLOOR PER GENERAL DEMOLITION NOTE "B".
6. REMOVE EXISTING STEEL STUDS, INSULATION AND GYPSUM BOARD WALL AS REQUIRED FOR INSTALLATION OF DOOR, FRAME, HARDWARE AND LINTEL. PATCH ADJACENT WALLS AND FLOOR PER GENERAL DEMOLITION NOTE "B".
7. REMOVE EXISTING CONCRETE SIDEWALK. SAW CUT FOR CLEAN EDGE.
8. REMOVE ASPHALT PAVING AND GRAVEL BASE. SAW CUT FOR CLEAN EDGE.
9. REMOVE CONCRETE CURB AND GUTTER. SAW CUT FOR CLEAN EDGE.
10. REMOVE EXTERIOR CONCRETE RAMP OR STAIRS AND RAILINGS. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B". FILL ANY VOIDS WITH TOP SOIL AND SEED.
11. REMOVE 18" TALL ALUMINUM ROOF COVERING. STRUCTURAL LIGHTS, WIRING, ETC. FROM BRICK WING WALL EDGE TO BRICK WING WALL EDGE. COVER EXPOSED EDGE WITH MATCHING MATERIALS. ARCHITECT IS TO BE ON SITE TO REVIEW THE EXPOSED EDGE BEFORE IT IS COVERED. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
12. REMOVE EXISTING INTERIOR 28'-0" LF OF CONCRETE RAMP AND SLAB.
13. REMOVE FENCE. FILL IN VOID WITH TOP SOIL AND SEED.
14. REMOVE SIGN AND POST. FILL IN VOID WITH TOP SOIL AND SEED.
15. REMOVE TREE AND SCRUBS AND ITS ROOT SYSTEM. FILL IN VOID WITH TOP SOIL AND SEED.
16. INSTALL A "RUSKIN" 1BD2 CURTAIN TYPE STATIC FIRE DAMPERS IN THE SUPPLY AND RETURN AT THE CMU WALL. 1 1/2" HOUR UL555 RATED. ENCLUDE ALL OPTIONS NEED FOR THE 1 HOUR RATINGS.
17. INSTALL A "RUSKIN" 1BD2 CURTAIN TYPE STATIC FIRE DAMPERS IN THE SUPPLY AND RETURN AT THE CMU WALL. 3" HOUR UL555 RATED. ENCLUDE ALL OPTIONS NEED FOR THE 3 HOUR RATINGS.
18. REMOVE EXISTING PLUMBING FIXTURES. CAP ALL WATER, SEWER AND ELECTRICAL LINES FLUSH WITH THE WALL OR FLOOR OR ABOVE THE CEILING. PATCH WALLS PER GENERAL DEMOLITION NOTE "B".
19. REMOVE EXISTING WATER CLOSET FIXTURE. FINISH FLOORING, SEWER LINE, TOILET CONNECTION AND CONCRETE TO INSTALL A WATER CLOSET AT THE LOCATION SHOWN ON SHEET A10.01. CONNECT WATER CLOSET TO THE TOILET CONNECTION AND WATER LINE AND PATCH CONCRETE PER DEMOLITION NOTE "B". INSTALL THE FLOOR FINISH PER DEMOLITION PLAN "A".
20. REMOVE TOILET PARTITION. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "G/A1.02".
21. REMOVE KITCHEN EQUIPMENT. CAP ALL GAS, WATER, SEWER AND ELECTRICAL LINES FLUSH WITH THE WALL OR FLOOR OR ABOVE THE CEILING. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "G/A1.02".
22. REMOVE THE EXISTING PLATFORM, WALLS, CEILING, STAIRS, RAMP, ELECTRICAL FIXTURES, SOUND SYSTEM PANEL, SPEAKERS AND ELECTRICAL LINES. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "G/A1.02".
23. 1 HOUR RATING. FIRE CAULK ALL OPENINGS IN THIS WALL ON EXTERIOR AND INTERIOR. SEE FIRE RATING DETAILS.
24. FIRE RATED CAULK ALL OPENING IN THIS CORRIDOR ON THE WALLS AND CEILING. SEE FIRE RATING DETAILS.
25. REMOVE EXISTING METAL OR WOOD PANELS FROM THE STOREFRONT AND CAULK THE STOREFRONT TO THE MASONRY. CAULK THE GLASS TO THE STOREFRONT. PATCH THE SCREW HOLES IN THE STOREFRONT. SEE ALLOWANCE FOR REPLACING EXISTING BROKEN GLASS IN STOREFRONT.
26. REMOVE MARKER BOARD AND TACK BOARD IN THIS ROOM. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
27. REMOVE PVC DRAINAGE LINE. FILL IN VOID WITH TOP SOIL AND SEED.
28. RELOCATED BENCH AS SHOWN ON SITE PLAN. FILL IN VOID WITH TOP SOIL AND SEED.
29. REMOVE TOILET GRAB BARS AND TOILET DISPENSERS AT THIS TOILET.
30. INSTALL A 8" CMU WALL IN THE MASONRY OPENING. TOOTH IN THE MASONRY SIMILAR TO THE DETAIL "3/A1.03".
31. REMOVE HOLLOW METAL FRAME, PANELS AND GLASS TO 7'-0" AFF. INSTALL HOLLOW METAL PANEL TO FINISH OFF ALL EXPOSED HOLLOW METAL FRAME OPENINGS. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "G/A1.02".

EGRESS OCCUPANT LOAD:
GENERAL DEMOLITION FOR THIS UNIT
EXIT DOORS, STAIRS, & CORRIDORS.
OCCUPANT LOAD OF ONE (1)
SQUARE FOOTAGE OF SPACE: 800 | 20 | 40
OCCUPANT LOAD FACTOR
TOTAL OCCUPANT LOAD



D3G ARCHITECTS, LLC
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350 HILTON ROAD / SUITE 101
MYRTLE BEACH, SC 29572

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PROJECT TITLE:
MBIS Renovations for Records Science Kits Adult Education

TMS: 173-160-2005
North Oak Street
Myrtle Beach, SC

FILE NUMBER: 2002

SHEET TITLE:
ADULT EDUCATION UNIT 'C1' FLOOR PLAN

DATE: March 6, 2020
REVISION DATE:

SHEET NUMBER:
A2.05

GENERAL DEMOLITION NOTES:

- A. ALL SURFACES DISTURBED BY DEMOLITION AND / OR CONSTRUCTION ACTIVITIES ARE TO BE RESTORED TO MATCH SURROUNDING SURFACES, AS FOLLOWS.
1. FLOOR FINISHES: RESTORED TO MATCH THE EXISTING SURROUNDING FLOORING FINISH AND BASE FINISH.
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- B. ALL OPENINGS CREATED BY DEMOLITION AND / OR CONSTRUCTION ACTIVITIES (I.E. FOR WALLS, DOORS, WINDOWS, OPENINGS, DUCTS, ELECTRIC PANELS, CONDUIT, PLUMBING FIXTURES, ETC.) ARE TO BE PATCHED WITH MATERIALS THAT MATCH SURROUNDING SURFACES, AS FOLLOWS.
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DEMOLITION & RENOVATION

KEYED NOTES: (4) KEY NOTES TYPICAL

1. REMOVE EXISTING MASONRY WALL TO 8'-0" AFF AND INSTALL A STRUCTURAL LINTEL PER THE STRUCTURAL DRAWINGS. TOOTH IN THE MASONRY PER THE DETAIL 3/A1.03. REMOVE THE CMU WALL 8" BELOW THE SLAB AND PATCH THE SLAB PER THE DETAIL 3/A1.02. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
2. REMOVE EXISTING MASONRY WALL. TOOTH IN THE MASONRY PER THE DETAIL. REMOVE THE CMU WALL 8" BELOW THE SLAB AND PATCH THE SLAB PER THE DETAIL 3/A1.02. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
3. REMOVE EXISTING MASONRY WALL TO INSTALL A HOLLOW METAL FRAME, DOOR & STRUCTURAL LINTEL. TOOTH IN THE MASONRY PER THE DETAIL 3/A1.03. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
4. REMOVE EXISTING WINDOW AND WINDOW SILL. CLOSE OPENING WITH MATCHING MATERIALS AND TOOTH IN THE MASONRY PER THE SHEET "S3". PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
5. REMOVE EXISTING DOOR, HOLLOW METAL FRAME AND HARDWARE.
6. REMOVE EXISTING DOOR AND HARDWARE.
7. REMOVE EXISTING DOOR, HOLLOW METAL FRAME AND HARDWARE AND REPLACE PER THE DOOR SCHEDULE.
8. REMOVE EXISTING STEEL STUDS, INSULATION AND GYPSUM BOARD WALL. COORDINATE WITH STRUCTURAL DRAWINGS. PATCH ADJACENT WALLS AND FLOOR PER GENERAL DEMOLITION NOTE "B".
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13. REMOVE EXTERIOR CONCRETE RAMP OR STAIRS AND RAILINGS. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B". FILL ANY VOIDS WITH TOP SOIL AND SEED.
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15. REMOVE EXISTING INTERIOR 28'-0" LF OF CONCRETE RAMP AND SLAB.
16. REMOVE FENCE. FILL IN VOID WITH TOP SOIL AND SEED.
17. REMOVE SIGN AND POST. FILL IN VOID WITH TOP SOIL AND SEED.
18. REMOVE TREE AND SCRUBS AND ITS ROOT SYSTEM. FILL IN VOID WITH TOP SOIL AND SEED.
19. INSTALL A "RUSKIN" BD22 CURTAIN TYPE STATIC FIRE DAMPERS IN THE SUPPLY AND RETURN AT THE CMU WALL. 1 1/2" HOUR UL555 RATED. ENCLUDE ALL OPTIONS NEED FOR THE 1 HOUR RATINGS.
20. INSTALL A "RUSKIN" BD23 CURTAIN TYPE STATIC FIRE DAMPERS IN THE SUPPLY AND RETURN AT THE CMU WALL. 1 1/2" HOUR UL555 RATED. ENCLUDE ALL OPTIONS NEED FOR THE 3 HOUR RATINGS.
21. ---
22. REMOVE EXISTING PLUMBING FIXTURES. CAP ALL WATER, SEWER AND ELECTRICAL LINES FLUSH WITH THE WALL OR FLOOR OR ABOVE THE CEILING. PATCH WALLS PER GENERAL DEMOLITION NOTE "B".
23. REMOVE EXISTING WATER CLOSET FIXTURE. FINISH FLOORING, SEWER LINE, TOILET CONNECTION AND CONCRETE TO INSTALL A WATER CLOSET AT THE LOCATION SHOWN ON SHEET A10.01. CONNECT WATER CLOSET TO THE TOILET CONNECTION AND WATER LINE AND PATCH CONCRETE PER DEMOLITION NOTE "B". INSTALL THE FLOOR FINISH PER DEMOLITION PLAN "A".
24. REMOVE TOILET PARTITION. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "3/A1.02".
25. REMOVE KITCHEN EQUIPMENT. CAP ALL GAS, WATER, SEWER AND ELECTRICAL LINES FLUSH WITH THE WALL OR FLOOR OR ABOVE THE CEILING. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "3/A1.02".
26. REMOVE THE EXISTING PLATFORM, WALLS, CEILING, STAIRS, RAMP, ELECTRICAL FIXTURES, SOUND SYSTEM PANEL, SPEAKERS AND ELECTRICAL LINES. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "3/A1.02".
27. 1 HOUR RATING. FIRE CAULK ALL OPENINGS IN THIS WALL ON EXTERIOR AND INTERIOR. SEE FIRE RATING DETAILS.
28. FIRE RATED CAULK ALL OPENING IN THIS CORRIDOR ON THE WALLS AND CEILING. SEE FIRE RATING DETAILS.
29. REMOVE EXISTING METAL OR WOOD PANELS FROM THE STOREFRONT AND CAULK THE STOREFRONT TO THE MASONRY. CAULK THE GLASS TO THE STOREFRONT AND PATCH THE SCREW HOLES IN THE STOREFRONT. SEE ALLOWANCE FOR REPLACING EXISTING BROKEN GLASS IN STOREFRONT.
30. REMOVE MARKER BOARD AND TACK BOARD IN THIS ROOM. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B".
31. REMOVE PVC DRAINAGE LINE. FILL IN VOID WITH TOP SOIL AND SEED.
32. RELOCATED BENCH AS SHOWN ON SITE PLAN. FILL IN VOID WITH TOP SOIL AND SEED.
33. REMOVE TOILET GRAB BARS AND TOILET DISPENSERS AT THIS TOILET.
34. INSTALL A 8" CMU WALL IN THE MASONRY OPENING. TOOTH IN THE MASONRY SIMILAR TO THE DETAIL "3/A1.03".
35. REMOVE HOLLOW METAL FRAME, PANELS AND GLASS TO 7'-0" AFF. INSTALL HOLLOW METAL PANEL TO FINISH OFF ALL EXPOSED HOLLOW METAL FRAME OPENINGS. PATCH ADJACENT WALLS PER GENERAL DEMOLITION NOTE "B" AND PATCH FLOOR SLAB PER DETAIL "3/A1.02".

EGRESS/OCCUPANT LOAD:

GENERAL DEMOLITION FOR	
EXIT DOORS, STAIRS, & CORRIDORS.	
SQUARE FOOTAGE OF SPACE	OCCUPANT LOAD OF ONE (1)
	OCCUPANT LOAD FACTOR
800	40
TOTAL OCCUPANT LOAD	

ADULT EDUCATION
UNIT "C2" FLOOR PLAN

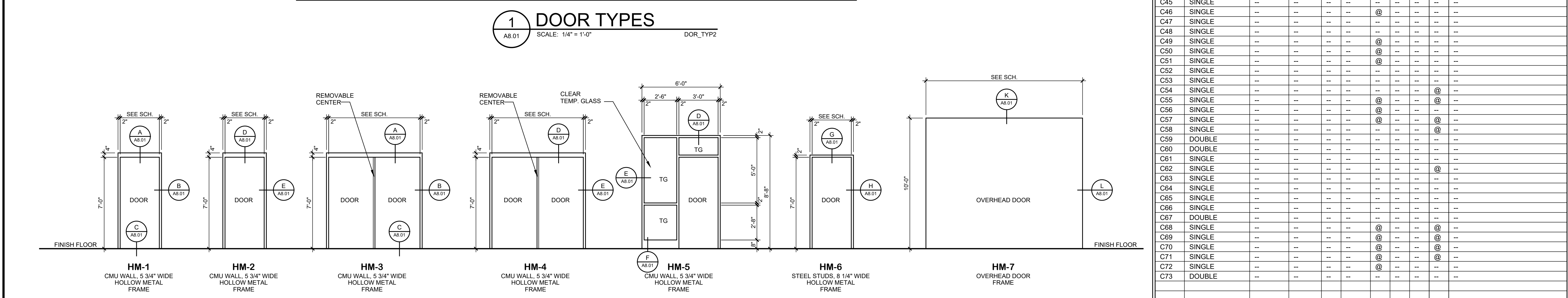
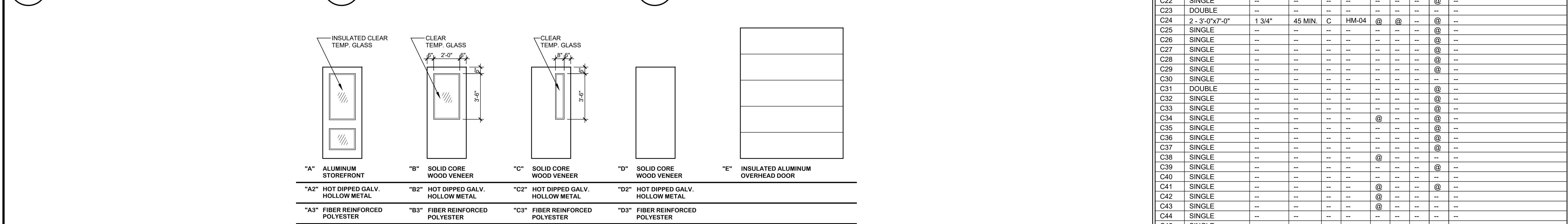
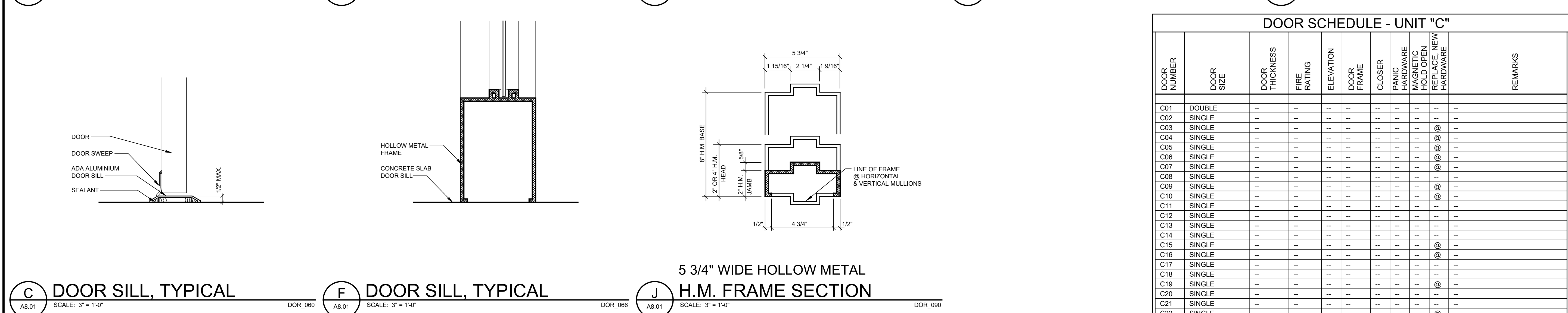
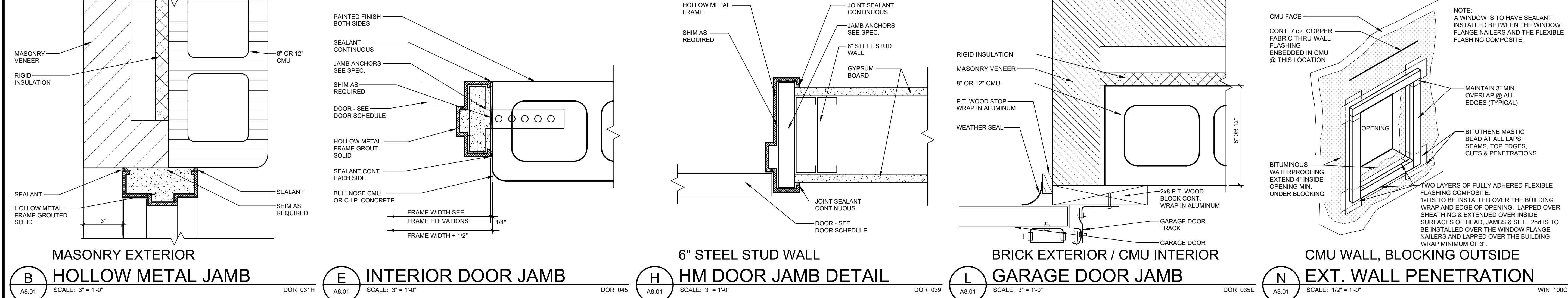
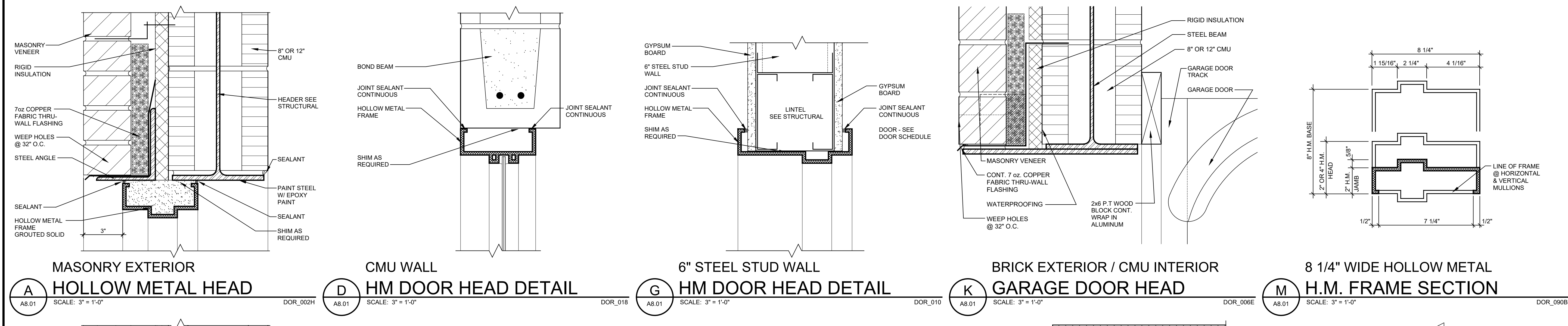
1
A2.06

SCALE: 1/8" = 1'-0"

UNIT "A"
UNIT "C2"

UNIT "A"
UNIT "C2"
UNIT "C1"

UNIT "C2"
UNIT "C1"



DOOR SCHEDULE - UNIT "A"												
DOOR NUMBER	DOOR SIZE	DOOR THICKNESS	FIRE RATING	ELEVATION	DOOR FRAME	CLOSER	PANIC HARDWARE	MAGNETIC HOLD OPEN	REPLACE NEW HARDWARE	REMARKS		
A01	2 - 3'-0"x7'-0"	1 3/4"	45 MIN.	B3	HM-03	@	@	--	--	CONTINUOUS HINGES		
A02	3'-0"x7'-0"	1 3/4"	45 MIN.	B	--	--	--	--	--			
A03	SINGLE	--	--	--	--	--	--	--	--			
A04	SINGLE	--	--	--	--	--	--	--	--			
A05	SINGLE	--	--	--	--	--	--	--	--			
A06	SINGLE	--	--	--	--	--	--	--	--			
A07	SINGLE	--	--	--	--	--	--	--	--			
A08	SINGLE	--	--	--	--	--	--	--	--			
A09	SINGLE	--	--	--	--	--	--	--	--	REMOVE DOOR & HARDWARE		
A10	SINGLE	--	--	--	--	--	--	--	--			
A11	SINGLE	--	--	--	--	--	--	--	--			
A12	SINGLE	--	--	--	--	--	--	--	--			
A13	SINGLE	--	--	--	--	--	--	--	--			
A14	SINGLE	--	--	--	--	--	--	--	--			
A15	SINGLE	--	--	--	--	--	--	--	--			
A16	DOUBLE	--	--	--	--	--	--	--	--			
A17	SINGLE	--	--	--	--	--	--	--	--			
A18	SINGLE	--	--	--	--	--	--	--	--			
A19	DOUBLE	--	--	--	--	--	--	--	--			
A20	SINGLE	--	--	--	--	--	--	--	--			
A21	SINGLE	--	--	--	--	--	--	--	--			
A22	SINGLE	--	--	--	--	--	--	--	--			

DOOR SCHEDULE - UNIT "B"												
DOOR NUMBER	DOOR SIZE	DOOR THICKNESS	FIRE RATING	ELEVATION	DOOR FRAME	CLOSER	PANIC HARDWARE	MAGNETIC HOLD OPEN	REPLACE NEW HARDWARE	REMARKS		
B01	10'-0"x10'-0"	--	--	F	HM-07	--	--	--	@	OVERHEAD DOOR		
B02	DOUBLE	--	--	--	--	--	--	--	--			
B03	DOUBLE	--	--	--	--	--	--	--	--			
B04	2 - 3'-0"x7'-0"	1 3/4"	45 MIN.	B3	HM-03	@	@	--	@	CONTINUOUS HINGES		
B05	DOUBLE	--	--	--	--	--	--	--	--			
B06	SINGLE	--	--	--	--	--	--	--	--			
B07	SINGLE	--	--	--	--	--	--	--	--			
B08	3'-0"x7'-0"	1 3/4"	--	D3	HM-01	@	@	--	@			
B09	2 - 3'-0"x7'-0"	1 3/4"	--	B3	--	@	@	--	@	CONTINUOUS HINGES		
B10	DOUBLE	--	--	--	--	--	--	--	--			
B11	SINGLE	--	--	--	--	--	--	--	--			
B12	SINGLE	--	--	--	--	--	--	--	--			
B13	SINGLE	--	--	--	--	--	--	--	--			
B14	3'-0"x7'-0"	1 3/4"	--	D	HM-06	@	--	--	@			
B15	3'-0"x7'-0"	1 3/4"	--	D	HM-06	@	--	--	--			
B16	SINGLE	--	--	--	--	--	--	--	@	REMOVE DOOR & HARDWARE		
B17	SINGLE	--	--	--	--	--	--	--	--			
B18	SINGLE	--	--	--	--	--	--	--	--			
B19	SINGLE	--	--	--	--	@	--	--	--			
B20	DOUBLE	--	--	--	--	@	--	--	--			
B21	DOUBLE	--	--	--	--	--	--	--	--			
B22	SINGLE	--	--	--	--	--	--	--	--			
B23	DOUBLE	--	--	--	--	--	--	--	@			
B24	SINGLE	--	--	--	--	--	--	--	--			
B25	SINGLE	--	--	--	--	--	--	--	--			
B26	3'-0"x7'-0"	1 3/4"	45 MIN.	D	HM-06	@	--	--	@			
B27	DOUBLE	--	--	--	--	--	--	--	--			
B28	SINGLE	--	--	--	--	--	--	--	@	REMOVE DOOR & HARDWARE		
B29	SINGLE	--	--	--	--	--	--	--	--			
B30	SINGLE	--	--	--	--	--	--	--	--	REMOVE DOOR & HARDWARE		
B31	SINGLE	--	--	--	--	--	--	--	--	REMOVE DOOR & HARDWARE		
B32	SINGLE	--	--	--	--	--	--	--	@			
B33	SINGLE	--	--	--	--	--	--	--	@			
B34	SINGLE	--	--	--	--	--	--	--	@			
B35	SINGLE	--	--	--	--	--	--	--	@			

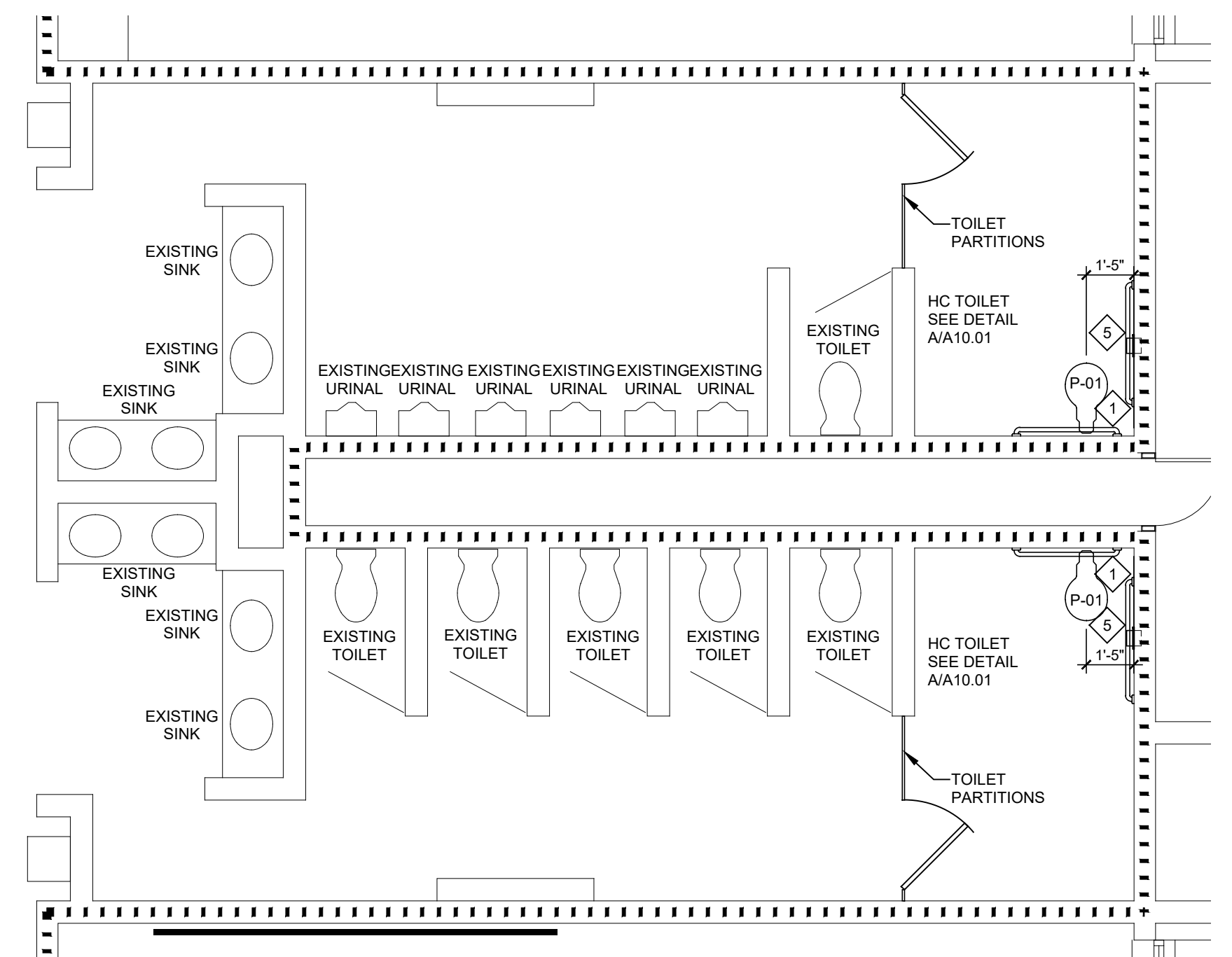
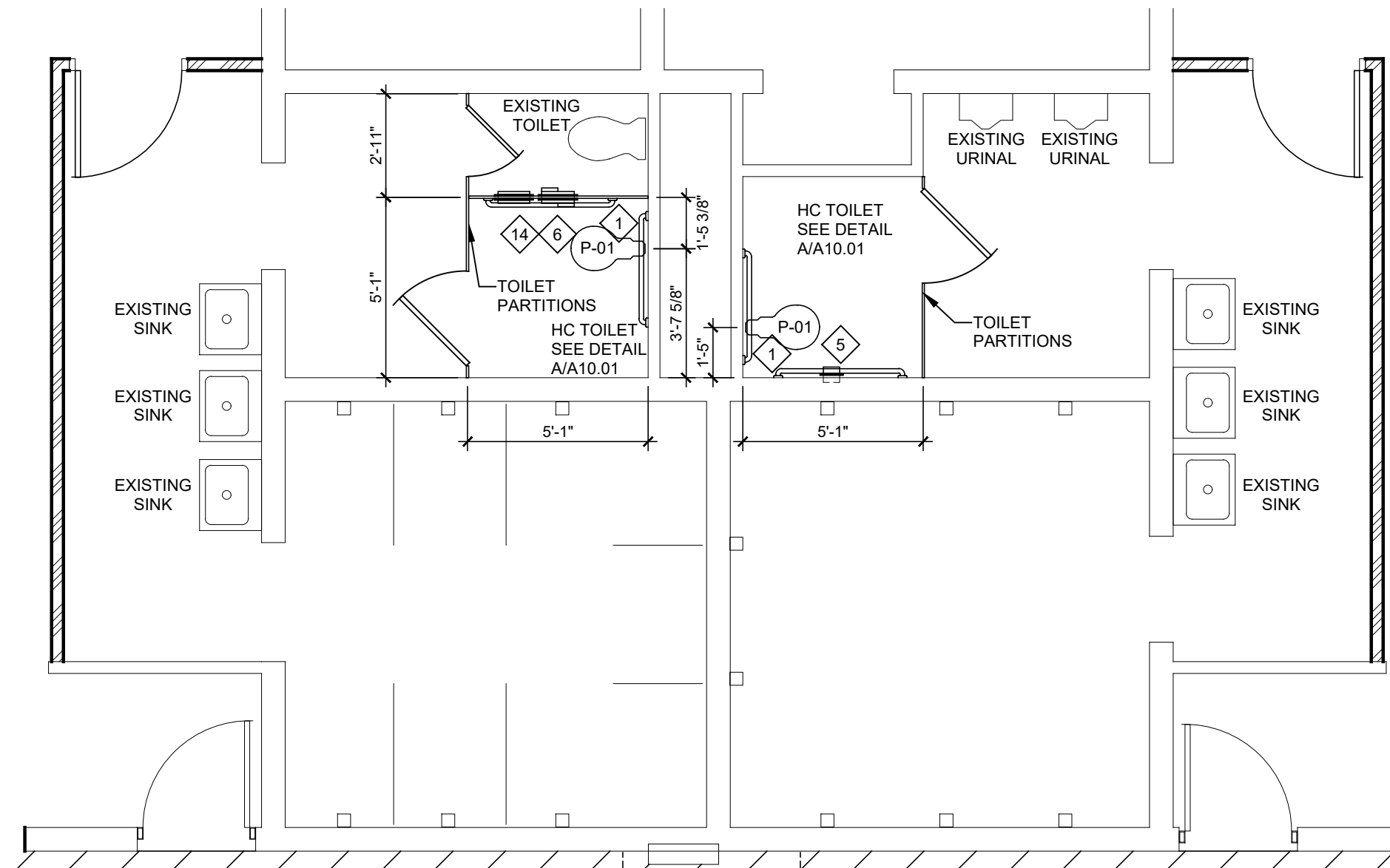
DOOR SCHEDULE - UNIT "D"												
DOOR NUMBER	DOOR SIZE	DOOR THICKNESS	FIRE RATING	ELEVATION	DOOR FRAME	CLOSER	PANIC HARDWARE	MAGNETIC HOLD OPEN	REPLACE NEW HARDWARE	REMARKS		
D01	SINGLE	--	--	--	--	--	--	--	--			
D02	SINGLE	--	--	--	--	--	--	--	--			
D03	SINGLE	--	--	--	--	--	--	--	--			
D04	SINGLE	--	--	--	--	@	--	--	--			
D05	SINGLE	--	--	--	--	--	--	--	--			
D06	SINGLE	--	--	--	--	--	--	--	--			
D07	SINGLE	--	--	--	--	--	--	--	--			
D08	SINGLE	--	--	--	--	--	--	--	--			
D09	SINGLE	--	--	--	--	--	--	--	--			
D10	DOUBLE	--	--	--	--	--	--	--	--			
D11	SINGLE	--	--	--	--	--	--	--	--			
D12	SINGLE	--	--	--	--	--	--	--	--			
D13	SINGLE	--	--	--	--	@	--	--	--			
D14	SINGLE	--	--	--	--	@	--	--	--			
D15	SINGLE	--	--	--	--	@	--	--	--			
D16	SINGLE	--	--	--	--	@	--	--	--			
D17	SINGLE	--	--	--	--	@	--	--	@			
D18	SINGLE	--	--	--	--	--	--	--	--			
D19	SINGLE	--	--	--	--	--	--	--	--			
D20	SINGLE	--	--	--	--	@	--	--	--			
D21	SINGLE	--	--	--	--	--	--	--	--			
D22	SINGLE	--	--	--	--	--	--	--	--			
D23	DOUBLE	--	--	--	--	--	--	--	--			
D24	SINGLE	--	--	--	--	--	--	--	--			
D25	SINGLE	--	--	--	--	@	--	--	--			
D26	SINGLE	--	--	--	--	@	--	--	--			
D27	SINGLE	--	--	--	--	@	--	--	--			
D28	SINGLE	--	--	--	--	@	--	--	--			
D29	SINGLE	--	--	--	--	@	--	--	--			
D30	DOUBLE	--	--	--	--	--	--	--	--			
D31	SINGLE	--	--	--	--	@	--	--	--			
D32	SINGLE	--	--	--	--	@	--	--	--			
D33	SINGLE	--	--	--	--	@	--	--	--			
D34	SINGLE	--	--	--	--	@	--	--	--			
D35	DOUBLE	--	--	--	--	--	--	--	--			
D36	DOUBLE	--	--	--	--	--	--	--	--			

DOOR NOTES:

- ALL WOOD DOORS ARE TO BE PRE FINISHED, PRE FITTED AND PRE MACHINED FOR HARDWARE.
- PROVIDE FULL WEATHER-STRIPPING ON ALL EXTERIOR DOOR.
- EXTERIOR DOOR GLAZING SHALL CONFORM TO GLASS PERFORMANCE SPECS FOR EXTERIOR GLAZING.
- WRAP EXTERIOR DOOR FRAME HEADS AND JAMBS WITH A LAYER OF CONTINUOUS SELF-ADHESIVE WATERPROOF MEMBRANE. SEE DETAIL N/A8.01.

PLUMBING NOTES:

- 1) PROVIDE CARRIERS FOR ALL WALL MOUNTED FIXTURES.
- 2) EQUAL CHINA FIXTURE BY AMERICAN STANDARD, ZURN & SLOAN.
- 3) EQUAL EAT SEAT BY AMERICAN STANDARD, ZURN & SLOAN.
- 4) EQUAL FLOOR VALVE BY ZURN & SLOAN.
- 5) TOP OF FLUSH VALVE SHALL BE LOCATED MINIMUM 3" BELOW BOTTOM OF GRAB BAR. P.C. TO CUT OUTLET TUBE AS REQUIRED.
- 6) FLOOR DRAIN SHALL BE LOCATED AS REQUIRED OF THE HANDRAIL AS PER ADA REQUIREMENTS.
- 7) EQUAL FAUCETS BY SIMMONS, CHICAGO FAUCETS, DELTA, MOEN & AMERICAN STANDARD.
- 8) EQUAL WATER COOLERS / DRINKING FOUNTAINS BY HALSLEY TAYLOR, SUNROCK, HANES & ELKAY.
- 9) EQUAL MOP BASINS BY SWANSTONE, E.I. MURSTE.
- 10) PROVIDE HORIZONTAL CHINA CLOSERS AT ALL WALL FAUCETS.
- 11) INSTALL LEGS UNDER MOP SINK TO BE HIGH ENOUGH FOR CONNECTION TO THE EXISTING SINK WASTE LINE (34" AFF MAX.).



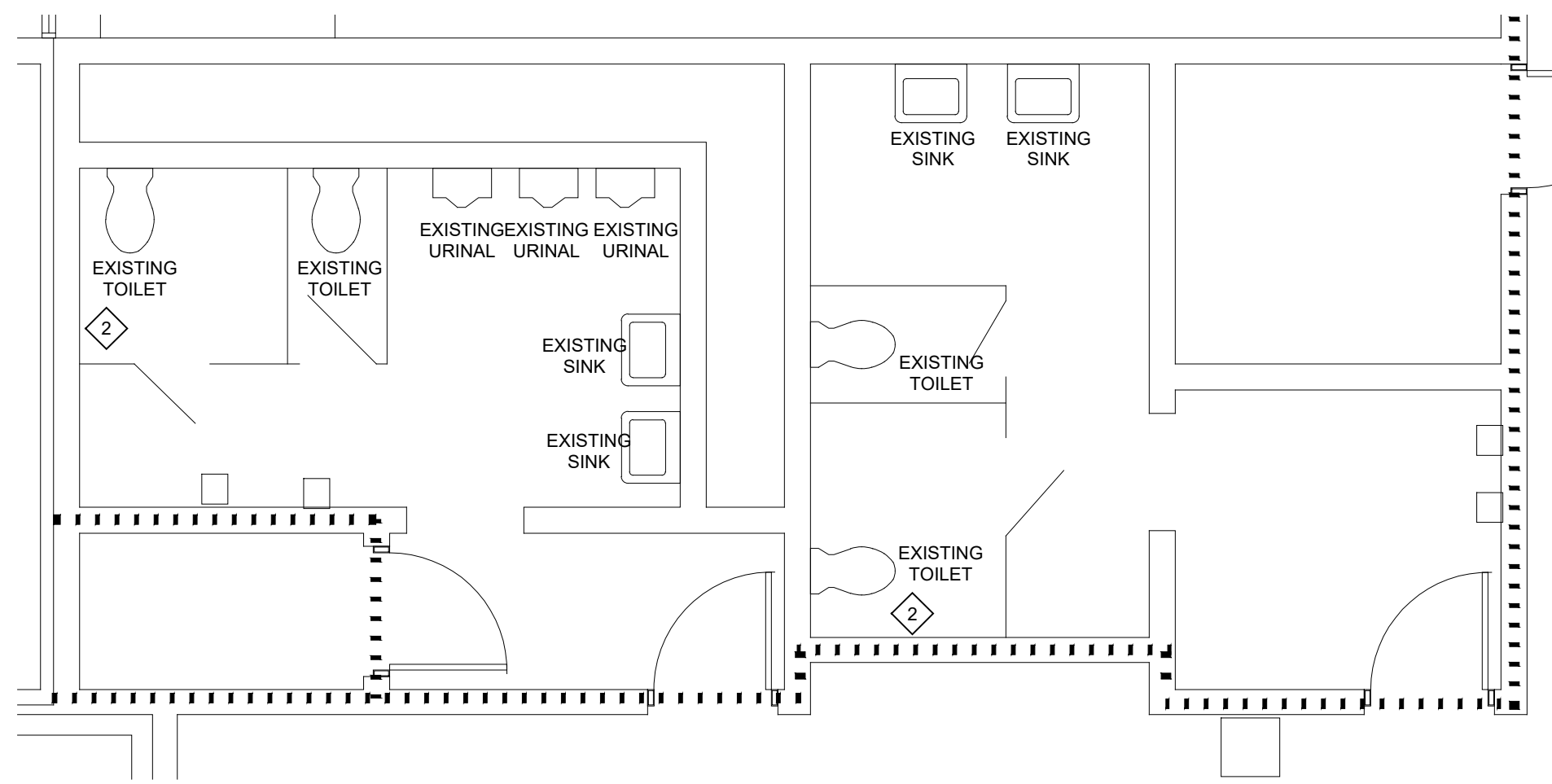
THIS DRAWING & DESIGN IS
THE PROPERTY OF
BG ARCHITECTS, LLC
REPRODUCTION OR REUSE IN
WHOLE OR IN PART WITHOUT
WRITTEN PERMISSION IS
FORBIDDEN



NOTE:
BEHIND ALL RECESSED TOILET
ACCESSORIES USE SOLID 4" CMU.
FIRE RATED WALLS USE SOLID 6" CMU

NOTE:
BEHIND ALL RECESSED TOILET
ACCESSORIES USE SOLID 4" CMU.
FIRE RATED WALLS USE SOLID 6" CMU

NOTE:
BEHIND ALL RECESSED TOILET
ACCESSORIES USE SOLID 4" CMU.
FIRE RATED WALLS USE SOLID 6" CMU



UNIT "C" - C129 MEN & C131 WOMEN
5 ENLARGED TOILET PLANS
A10.01 SCALE: 1/4" = 1'-0"

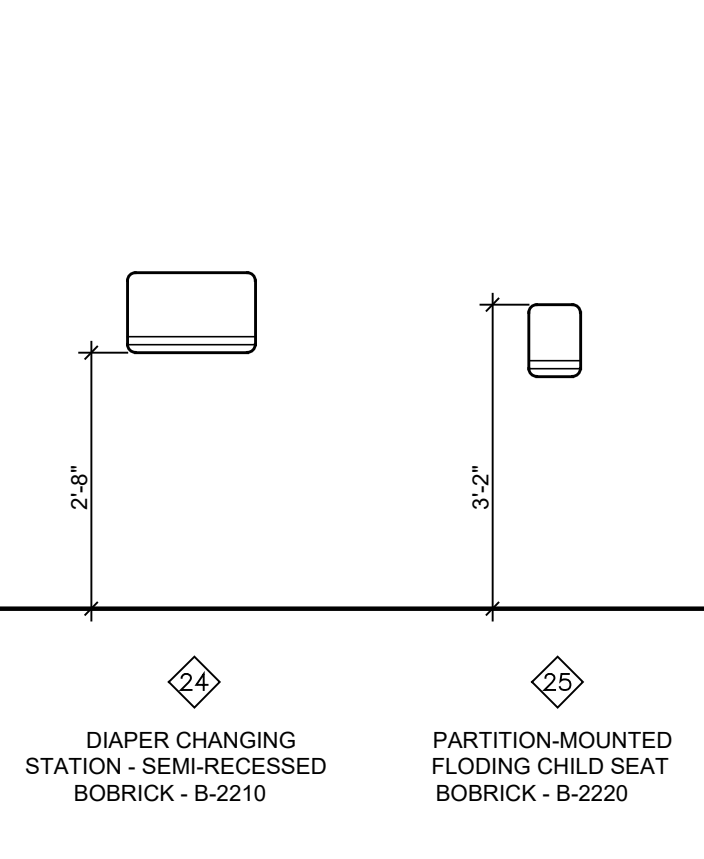


Diagram showing the front elevation of the building. The drawing includes the following elements and dimensions:

- Finish Floor:** Indicated by a horizontal line at the bottom.
- Windows:** Two windows are shown on the left side, each with a height dimension of $2'-2"$.
- Door:** A single door is located in the center, with a height dimension of $5'-4"$.
- Double Door:** A set of double doors is located on the right side, with a height dimension of $5'-4"$.

Diagram showing three vertical lines with horizontal segments of 3.5", 6.5", and 5.6" labeled next to them.

- | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|--|---|--|---|---|---|---|---|--|---|--|----------------|-------------------------------------|--|-------------------------------------|--------------------------------------|---|--------------------------------------|
| 1 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| GRAB BARS
#812-2-001-36
#812-2-001-42 | GRAB BAR
SHOWER
#883 SERIES
#812-2-001-18 ** | GRAB BAR
SHOWER
#883 SERIES
#812-2-001-18 ** | TOILET TISSUE
DISPENSER
SURFACE MOUNTED
#5402 | TOILET TISSUE
DISPENSER
RECESSED
#5412 | TOILET TISSUE
DISPENSER
PARTITION MOUNTED
#5422 | TOWEL DISPENSER
DISPENSER
RECEIPT RECESSED
#2027 | TOWEL DISPENSER
DISPENSER
RECESSED
#2287 | TOWEL DISPENSER
DISPENSER
RECESSED
#2447 | TOWEL DISPENSER
DISPENSER
RECEIPT RECESSED
#2442 | NAPKIN/TAMPON VENDOR
SERVICE MOUNTED
#4017-43 | NAPKIN DISPOSAL
SURFACE MOUNTED
#4722-15 | NAPKIN DISPOSAL
SURFACE MOUNTED
#4722-10-15 | NAPKIN DISPOSAL
PARTITION MOUNTED
#4721-15 | MIRROR
#781 | MIRROR W/ SHELF
24"x36"
#7815 | SOAP DISPENSER
SURFACE MOUNTED
#6542 | SOAP DISPENSER
RECESSED
#6437 | SOAP DISH
WASTE RECESSED
#9539 | SHOWER CURTAIN ROD
CONCEALED MOUNTING
#9401 | ROBE HOOK
SURFACE MOUNTED
#932 |
| 2 | | | | | | | | | | | | | | | | | | | | |
| GRAB BAR
#812-2-001-18 ** | | | | | | | | | | | | | | | | | | | | |
- GENERAL NOTES:
- 1) TOILET ACCESSORY MODEL NUMBERS ARE BY BRADLEY INC., UNLESS OTHERWISE NOTED.



TOILET TISSUE DISPENSER #508-32

TOWEL BAR #9005-18

TOWEL RACK #9005-24

28

20

30

1/2

Diagram illustrating three types of towel dispensers and their mounting heights:

- PER TOWEL DISPENSER #259**: A wall-mounted dispenser with a height of 3'-0".
- TOOTHBRUSH & TUMBLER HOLDER #924**: A wall-mounted holder with a height of 3'-0".
- HAND DRYER SURFACE MOUNTED PINNACLE DRYER CORP. PS-12S**: A surface-mounted hand dryer with a height of 4'-0".

Diagram illustrating the dimensions for the Pinnacle Dryer Corp. models:

- Model PDC-R10 (Recessed Mounted):** Height is 4'-0".
- Model #2883 (Surface Mounted):** Height is 3'-11".
- Common Dimension:** Both models have a width of 3'-0".

Technical drawing of the stainless steel mirror showing dimensions and mounting options. The mirror is 24 1/2" wide and 36" high. It features a 2" wide mounting bracket on the left side. The drawing includes a side view of the mirror and a top view showing the mounting bracket. The mounting bracket is labeled with a diamond symbol containing the number 37. The mirror is labeled with a diamond symbol containing the number 38.

37

24 1/2"

36"

2"

38

AND DRYER
MOUNTED
#2881

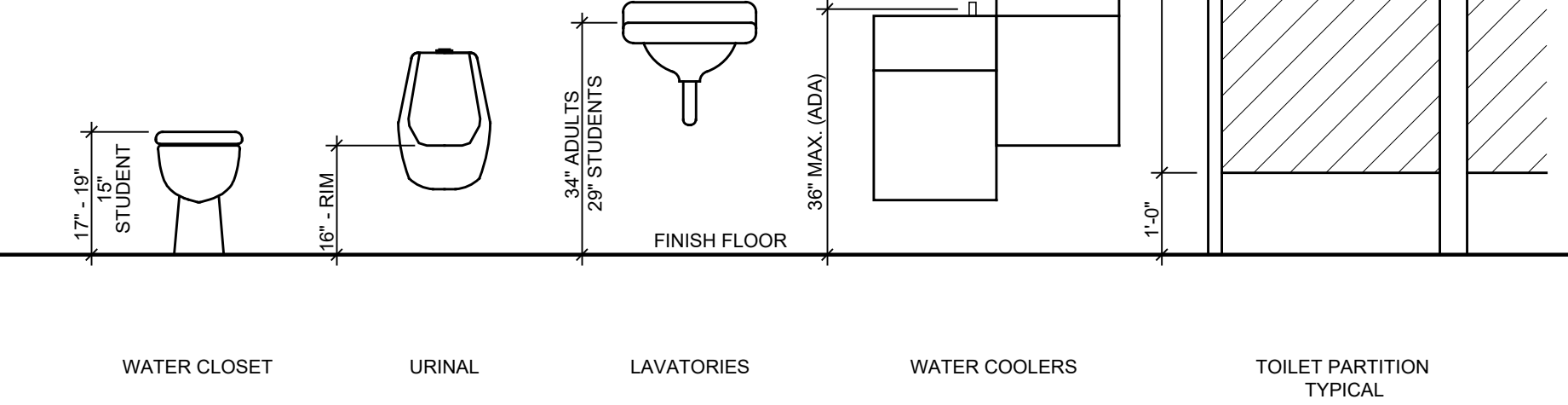
STAINLESS STEEL
MIRROR
#748

- GENERAL NOTES:

- 1) TOILET ACCESSORY MODEL NUMBERS ARE BY BRADLEY INC., UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE LOCATIONS OF ALL TOILET ACCESSORIES WITH PLUMBING, ELECTRICAL, AND MECHANICAL CONTRACTORS. INSTALLATION TYPE: "TRUSS" "LAV GUARD" UNDER SINK PROTECTIVE PIPE COVERS AT ALL LAVATORIES. TYPICAL.
- 2) ALL TOILETS PARTITION DOORS TO HAVE COAT HOOK, DOOR STOP, CONTINUOUS HINGES AND VANDAL RESISTANT LATCHES.
- 3) ALL TOILET & URINAL PARTITIONS ARE TO BE CONNECTED TO THE WALL & PANELS WITH CONTINUOUS BRACKETS.
- 4) URINAL PARTITIONS WALLS ARE TO BE 1'-0" AFF & 5'-0" TALL (TOTAL 1'-0" AFF).
- 5) "FLOOR EXPERT #10 IS TO BE INSTALLED AT ALL SINKS THAT ARE AGAINST A WALL OR PART FOR THE GANG TOILETS AND TOILET ROOMS.

- LEGEND:

- = SEE DETAILS FOR LOCATION OF 18" GRAB BAR
- = ABOVE FINISH FLOOR
- = BOTTOM
- = CENTERLINE



B TOILET ACCESSORIES
A10.01 SCALE: 1/2" = 1'-0"

IS: 173-160-2005
North Oak Street
Myrtle Beach, SC

NUMBER: 200

ET TITLE:
ENLARGED TOILETS
TOILET DETAILS

March 6, 202

FORUM DATE:

A10.01

LOAD TABLE

STRUCTURAL DESIGN BASED ON 2018 INTERNATIONAL BUILDING CODE
WITH SOUTH CAROLINA MODIFICATIONS

LIVE LOADS:

- FLOOR LOADS:
 - LOBBIES & FIRST FLOOR CORRIDORS - 100 PSF
 - OFFICE FLOORS - 50 PSF
- ROOF LOADS:
 - ROOF LIVE LOAD - 20 PSF

DEAD LOADS:

USE ACTUAL DEAD LOADS OF MATERIALS

WIND DESIGN DATA:

BASIC WIND SPEED (3-SECOND GUST) = 150 mph
WIND IMPORTANCE FACTOR, I_w = 1.00
RISK CATEGORY = II (UNITS A & B)
WIND EXPOSURE = C
INTERNAL PRESSURE COEFFICIENT = +/-0.18

EARTHQUAKE DESIGN DATA:

RISK CATEGORY = II (UNITS A & B)
SEISMIC IMPORTANCE FACTOR, I_e = 1.00
MAPPED SPECTRAL RESPONSE ACCELERATIONS S_{DS} = 0.298 & S_{D1} = 0.11
SITE CLASS - D
SPECTRAL RESPONSE COEFFICIENTS S_{DS} = 0.31 & S_{D1} = 0.175
SEISMIC DESIGN CATEGORY - C
BASIC SEISMIC-FORCE-RESISTING-SYSTEM - BEARING WALL SYSTEMS WITH
INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
RESPONSE MODIFICATION FACTOR R = 3.5 (MASONRY SHEARWALLS)
SEISMIC RESPONSE COEFFICIENT C_{SH} = 0.09 (MASONRY SHEARWALLS)
DESIGN BASE SHEAR = $C_{SH} W$
ANALYSIS PROCEDURE USED IS EQUIVALENT LATERAL FORCE

ROOF SNOW LOADS:

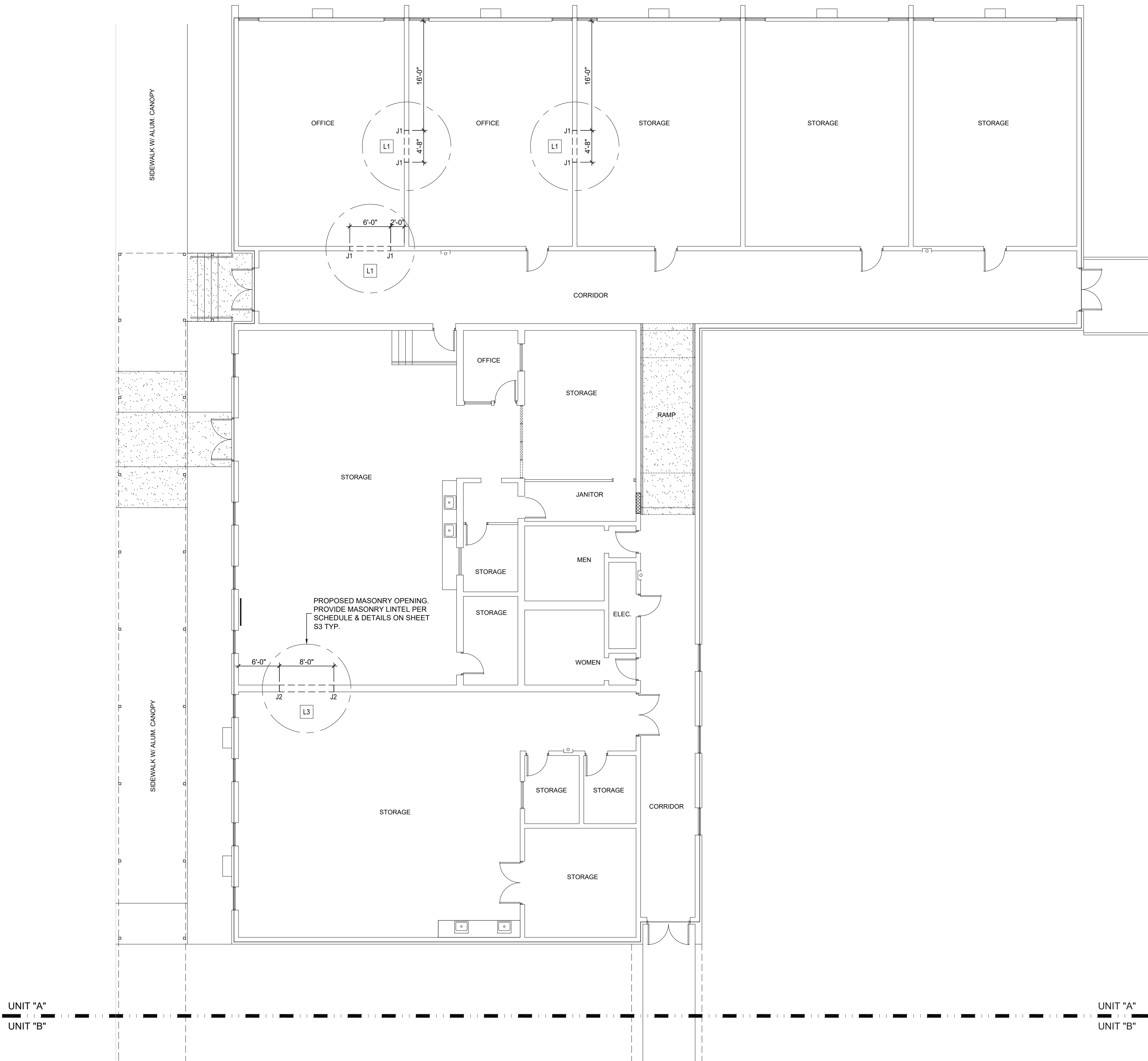
GROUND SNOW LOAD - P_g = 10 psf
SNOW EXPOSURE FACTOR (C_{se}) = 1.0
SNOW LOAD IMPORTANCE FACTOR (I_s) = 1.0
THERMAL FACTOR (C_t) = 1.0

GENERAL NOTES:

- CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE WITH SOUTH CAROLINA MODIFICATIONS AND ALL OTHER APPLICABLE BUILDING CODES HAVING JURISDICTION.
- VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE PROJECT SITE PRIOR TO STARTING WORK. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR EXISTING CONDITIONS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.
- COORDINATE ALL WORK WITH THE ARCHITECTURAL DRAWINGS, SPECIFICATIONS, AND DRAWINGS OF OTHER TRADES. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES, INCONSISTENCIES OR CONFLICTS PRIOR TO STARTING FABRICATION OR CONSTRUCTION OF THE WORK.
- REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND APPROVED SHOP DRAWINGS FOR SIZES AND LOCATIONS OF OPENINGS, INSERTS, SLEEVES, CHASES, SLAB DEPRESSIONS, EMBEDDED ITEMS, ATTACHMENT OF FINISHES, AND OTHER NON-STRUCTURAL ITEMS. REFER TO ELECTRICAL AND MECHANICAL PLANS FOR SIZE AND LOCATION OF ALL OPENINGS FOR DUCTS, PIPING, CONDUITS, ETC. NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR WATERPROOFING, DAMP-PROOFING AND FIREPROOFING REQUIREMENTS AND DETAILS.
- SUBMIT SHOP DRAWINGS TO ARCHITECT FOR ALL STRUCTURAL COMPONENTS PRIOR TO FABRICATION. DO NOT REPRODUCE STRUCTURAL DRAWINGS FOR SHOP DRAWINGS OR ERECTION PLANS UNLESS APPROVED BY THE ARCHITECT. SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED BY THE CONTRACTOR FOR ALL DIMENSIONS, ELEVATIONS AND ERECTION PROCEDURE PRIOR TO SUBMITTING TO THE ARCHITECT. PROVIDE AMPLE TIME FOR SHOP DRAWING REVIEW TO TAKE PLACE. REFER TO THE PROJECT SPECIFICATIONS FOR OTHER SUBMITTAL REQUIREMENTS.
- THE ENGINEER'S REVIEW OF SHOP DRAWINGS IS FOR OVERALL CONFORMANCE WITH THE DESIGN INTENT AND GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE ENGINEER'S APPROVAL OF SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR DEVIATIONS, ERRORS OR OMISSIONS FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REMAIN SOLELY RESPONSIBLE FOR COORDINATION OF DIMENSIONS, SIZES AND DETAILS IN THE SHOP DRAWINGS.
- IN CASE OF CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL GOVERN UNLESS OTHERWISE APPROVED BY THE ARCHITECT.
- MEANS, METHODS, TECHNIQUES, PROCEDURES, SEQUENCES OF CONSTRUCTION, JOBSITE SAFETY AND SUPERVISION OF THE WORK ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- PROVIDE AND INSTALL ALL TEMPORARY BRACING, SHORING, ETC. REQUIRED FOR SUPPORT AND STABILITY OF THE STRUCTURE UNTIL ALL STRUCTURAL WORK IS COMPLETE. THE DESIGN, ERECTION, INSTALLATION, ADEQUACY AND SAFETY OF TEMPORARY SUPPORT DURING CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- DO NOT APPLY ANY CONSTRUCTION LOADS ON THE STRUCTURE THAT EXCEED THE SAFE LOAD CARRYING CAPACITY OF THE STRUCTURAL MEMBERS. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY UNUSUAL OR EXCESSIVE LOADS OCCURRING DURING CONSTRUCTION. DO NOT APPLY CONSTRUCTION LOADS UNTIL STRUCTURAL COMPONENTS ARE PROPERLY CONNECTED AND ALL NECESSARY TEMPORARY BRACING IS IN PLACE.
- WORK NOT INDICATED ON THE DRAWINGS BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT AT SIMILAR LOCATIONS SHALL BE REPEATED. UNLESS NOTED OTHERWISE, ALL SECTIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE TYPICAL AT SIMILAR LOCATIONS AND CONDITIONS.

MASONRY:

- ALL MASONRY WORK AND MATERIALS SHALL COMPLY WITH ACI 530, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" AND ACI 530.1, "SPECIFICATION FOR MASONRY STRUCTURES".
- CONCRETE MASONRY UNITS SHALL COMPLY WITH ASTM C-90 TYPE II GRADE N, LIGHT WEIGHT UNITS.
- CONCRETE MASONRY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH ($F'm$) OF 1500 PSI. MINIMUM NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNITS SHALL BE 2000 PSI.
- MORTAR FOR ALL REINFORCED MASONRY SHALL BE TYPE S PORTLAND CEMENT-LIME MORTAR CONFORMING TO ASTM C-270 AND C-150. MORTAR FOR UNREINFORCED MASONRY OR BRICK VENEER SHALL BE TYPE S PORTLAND CEMENT-LIME MORTAR OR TYPE S MASONRY CEMENT. ALL MASONRY SHALL BE LAID IN A FULL MORTAR BED.
- REINFORCED MASONRY SHALL HAVE GROUT CONFORMING TO ASTM C-476. THE GROUT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2500 PSI.
- ALL MASONRY SHALL BE LAID IN RUNNING BOND UNLESS NOTED OTHERWISE.
- MORTAR JOINTS SHALL BE 3/8" THICK TOOLED CONCAVE.
- FILL ALL REINFORCED CELLS SOLID WITH GROUT.
- JOINT REINFORCING SHALL BE GALVANIZED LADDER TYPE WITH NO. 9 LONGITUDINAL WIRES. LOCATE JOINT REINFORCING IN BED JOINTS AT 16" MINIMUM SPACING IN RUNNING BOND MASONRY. USE PREFORMED CORNER REINFORCEMENT AT ALL WALL CORNERS AND INTERSECTION.
- INSTALL SUFFICIENT REBAR PLACEMENT WALL TIES TO ENSURE THE PROPER PLACEMENT OF ALL HORIZONTAL AND VERTICAL REBAR.
- MASONRY REBAR LAP SPLICES SHALL BE:
 - #3 BARS = 18" LAP
 - #4 BARS = 24" LAP
 - #5 BARS = 30" LAP
- DO NOT INSTALL MASONRY WHEN THE AMBIENT TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT. DURING HOT CONDITIONS, (ABOVE 90 DEGREES) PRECAUTIONS SHALL BE TAKEN TO MINIMIZE EXCESS HEAT IN THE MASONRY UNITS, WATER AND MORTAR. IT IS ADVISED THAT THE CONTRACTOR FOLLOW THE RECOMMENDATIONS PRESCRIBED BY THE PORTLAND CEMENT ASSOCIATION FOR COLD OR HOT WEATHER CONSTRUCTION.



UNIT "A" MASONRY LINTEL PLAN

SCALE: 1/8 in. = 1 ft.

PROJECT TITLE:
MBIS
Renovations
for
Records
Science
Kits
Adult Education

TMS: 173-160-2005
North Oak Street
Myrtle Beach, SC

FILE NUMBER: MBIS_0006

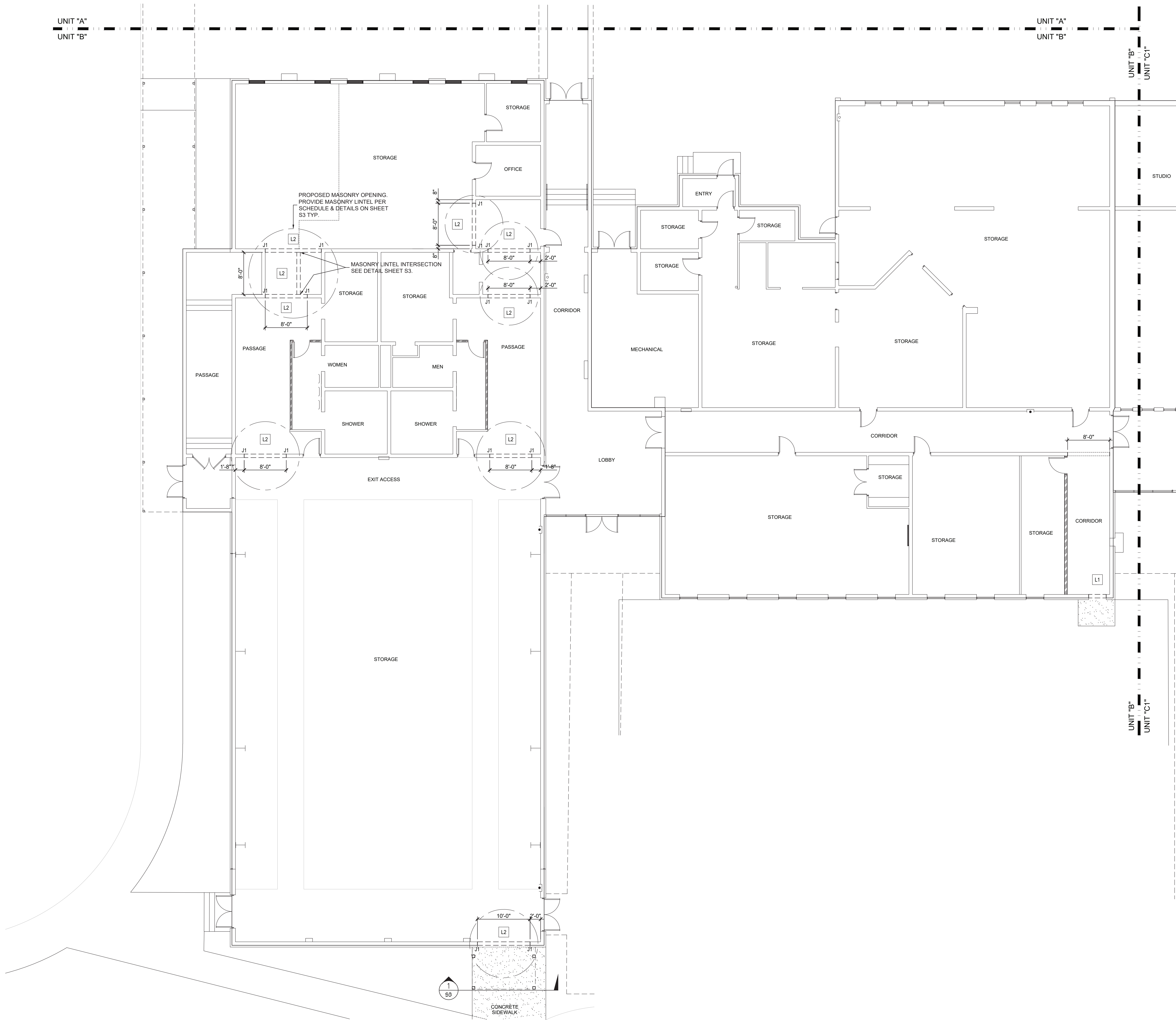
SHEET TITLE:

UNIT "A" MASONRY LINTEL PLAN

DATE: March 6, 2020
REVISION DATE:

SHEET NUMBER:

S1



UNIT "B" MASONRY LINTEL PLAN

SCALE: 1/8 in. = 1 ft.

CONCRETE:

- ALL CONCRETE AND REBAR AND THEIR INSTALLATION SHALL COMPLY WITH THE STANDARDS OF ACI-318 AND ACI-301 LATEST EDITIONS.
- REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
- THE 28 DAY MINIMUM COMPRESSIVE STRENGTH OF CONCRETE SHALL BE AS FOLLOWS:

FOOTINGS:	3000 PSI	NORMAL WEIGHT
SLAB ON GRADE:	3000 PSI	NORMAL WEIGHT

- CONCRETE MIXES SHALL BE DESIGNED IN ACCORDANCE WITH ACI 301 AND THE FOLLOWING:

	MAX W/C RATIO	SLUMP
4000 PSI	0.47	3" TO 5"
3000 PSI	0.53	3" TO 5"
2500 PSI	0.65	3" TO 6"

CONCRETE SHALL BE READY MIXED IN ACCORDANCE WITH ASTM C-94. SUBMIT CONCRETE MIX DESIGNS TO THE ENGINEER FOR APPROVAL.

- REINFORCING STEEL LAP SPLICES SHALL BE

#3:	18" LAP
#4:	24" LAP
#5:	30" LAP

- CONCRETE DENSITIES SHALL BE AS FOLLOWS:

NORMAL WEIGHT CONCRETE:	145 PCF
LIGHT WEIGHT CONCRETE:	90 PCF TO 110 PCF

- PROVIDE 5% AIR ENTRAINMENT FOR ALL CONCRETE EXPOSED TO WEATHER OR EXTERIOR CONDITIONS, UNLESS NOTED OTHERWISE.

- NO WATER SHALL BE ADDED TO THE CONCRETE AT THE SITE UNLESS APPROVED BY THE ARCHITECT OR STRUCTURAL ENGINEER.

- REINFORCEMENT SHALL BE ADEQUATELY SUPPORTED AND TIED IN PLACE PRIOR TO CONCRETE PLACEMENT. PROVIDE STANDS, CHAIRS, BOLSTERS, CARRYING BARS OR ADDITIONAL BARS AS MAY BE NECESSARY TO ADEQUATELY SUPPORT THE REINFORCEMENT IN ITS PROPER POSITION.

- SUPPORT ALL SLAB REINFORCEMENT ON CONTINUOUS CHAIRS. REINFORCEMENT FOR SLABS ON GRADE MAY BE SUPPORTED ON CONCRETE BRICK.

- REINFORCING STEEL SHALL HAVE A MINIMUM CONCRETE COVER AS FOLLOWS:

CONCRETE CAST AGAINST EARTH: 3"

CONCRETE EXPOSED TO EARTH OR WEATHER:

#5 BARS OR SMALLER:	1 1/2"
#6 BARS AND LARGER:	2"

- LAP WELDED WIRE FABRIC A MINIMUM OF 9".

- ALL REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS UNLESS NOTED OTHERWISE.

- IN HOT WEATHER, PLACE CONCRETE IN ACCORDANCE WITH THE PROVISIONS OF ACI 305. IN COLD WEATHER, PLACE CONCRETE ACCORDING TO ACI 306.

- FINISH CONCRETE SURFACES WITH ACI 301. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL CONCRETE FINISHING REQUIREMENTS.

- SAW CUT CONTROL JOINTS IN SLABS AS SOON AS PRACTICAL AFTER PLACING SLABS.

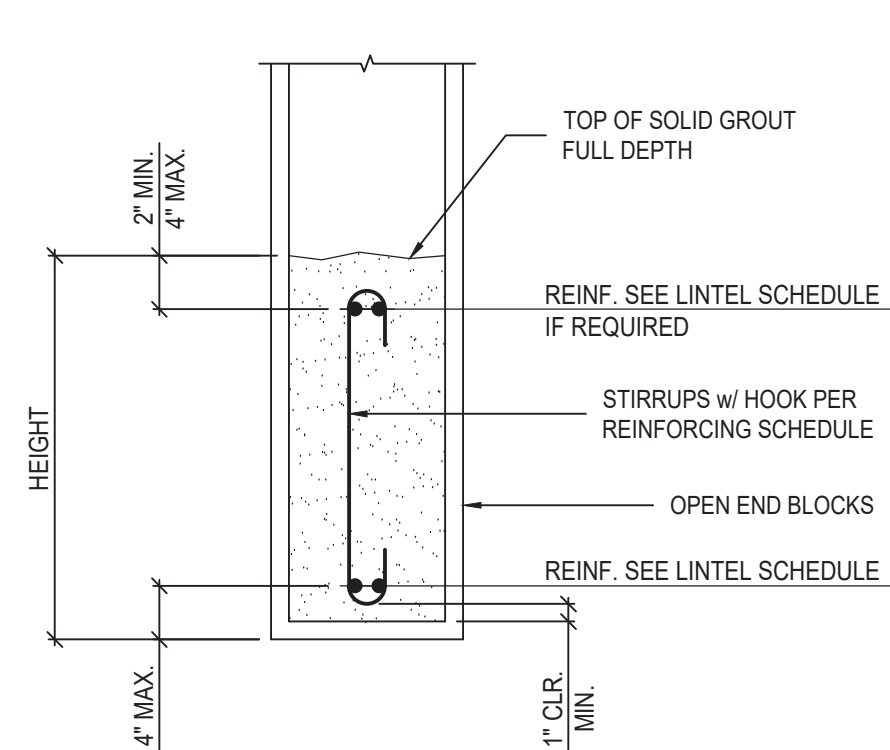
- PROVIDE CONTROL JOINTS IN SLABS ON GROUND SUCH THAT AREAS BETWEEN JOINTS ARE LIMITED TO 500 SQUARE FEET AND THE LENGTH TO WIDTH RATIO DOES NOT EXCEED 2:1.

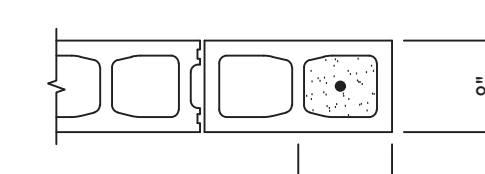
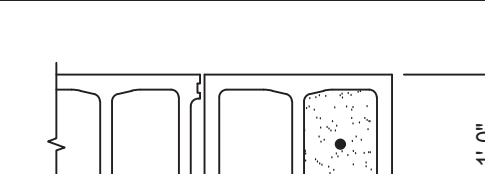
SPECIAL INSPECTIONS:

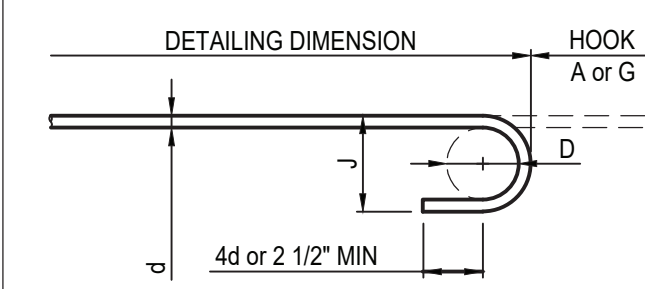
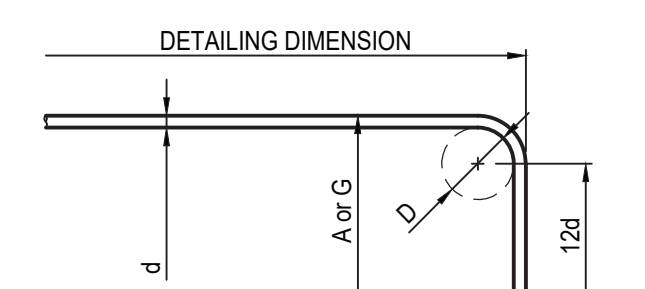
SPECIAL INSPECTIONS SHALL CONFORM TO SECTIONS 1704 AND 1705 OF THE 2015 INTERNATIONAL BUILDING CODE AND ANY LOCAL AMENDMENTS. SPECIAL INSPECTIONS SHALL BE CARRIED OUT ACCORDING TO THE "STATEMENT OF SPECIAL INSPECTIONS". LABORATORIES FOR MATERIAL TESTING AND/OR AGENCIES FOR TESTING SERVICES SHALL BE SELECTED BY, ENGAGED BY, AND RESPONSIBLE TO THE ARCHITECT. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, PROJECT REPRESENTATIVE, CONTRACTOR, AND OWNER. THE SPECIAL INSPECTION AGENCY SHALL SUBMIT A FINAL REPORT INDICATING THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED AND IS IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND THAT ALL DISCREPANCIES NOTED IN THE INSPECTION REPORTS HAVE BEEN CORRECTED.

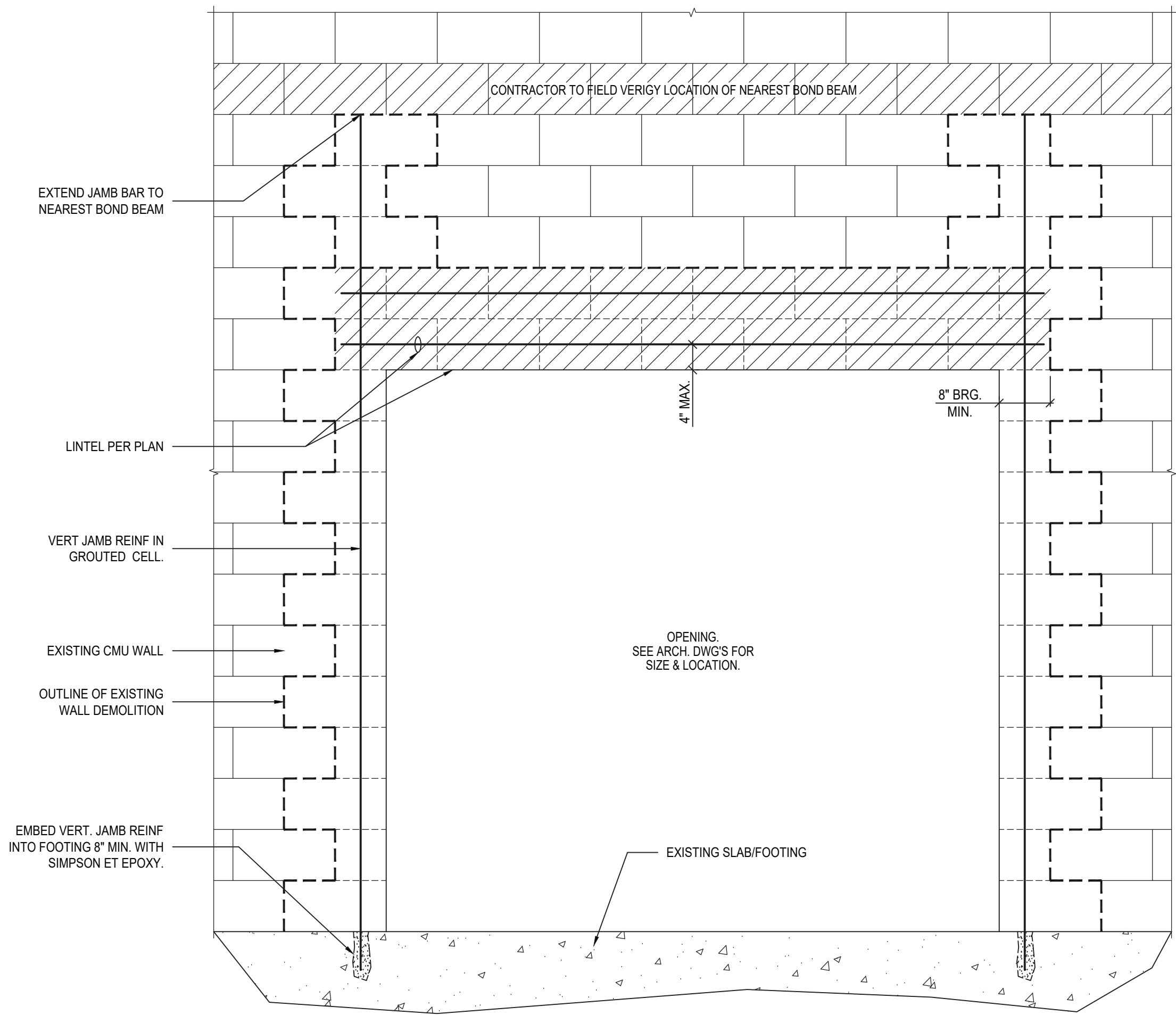
THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION PER IBC CHAPTER 17. THESE INSPECTIONS SHALL BE PERFORMED BY A SPECIAL INSPECTOR. SEE STATEMENT OF SPECIAL INSPECTION FOR COMPLETE REQUIREMENTS.

ITEM	DESCRIPTION
MASONRY CONSTRUCTION	
VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	FREQUENCY: PERIODIC REFERENCE: ACI 530 TABLE 1.19.2
AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:	FREQUENCY: PERIODIC REFERENCE: ACI 530 TABLE 1.19.2
A. PROPORTIONS OF SITE-PREPARED MORTAR B. CONSTRUCTION OF MORTAR JOINTS C. LOCATION OF REINFORCEMENT	
PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:	FREQUENCY: PERIODIC REFERENCE: ACI 530 TABLE 1.19.2
A. GROUT SPACE B. GRADE, TYPE AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS C. PLACEMENT OF REINFORCEMENT D. PROPORTIONS OF SITE-PREPARED GROUT E. CONSTRUCTION OF MORTAR JOINTS	
VERIFY DURING CONSTRUCTION	FREQUENCY: PERIODIC REFERENCE: ACI 530 TABLE 1.19.2
A. SIZE AND LOCATION OF STRUCTURAL B. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION C. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40° F) OR HOT WEATHER (TEMPERATURE ABOVE 90° F)	
OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS	FREQUENCY: PERIODIC REFERENCE: ACI 530 TABLE 1.19.2

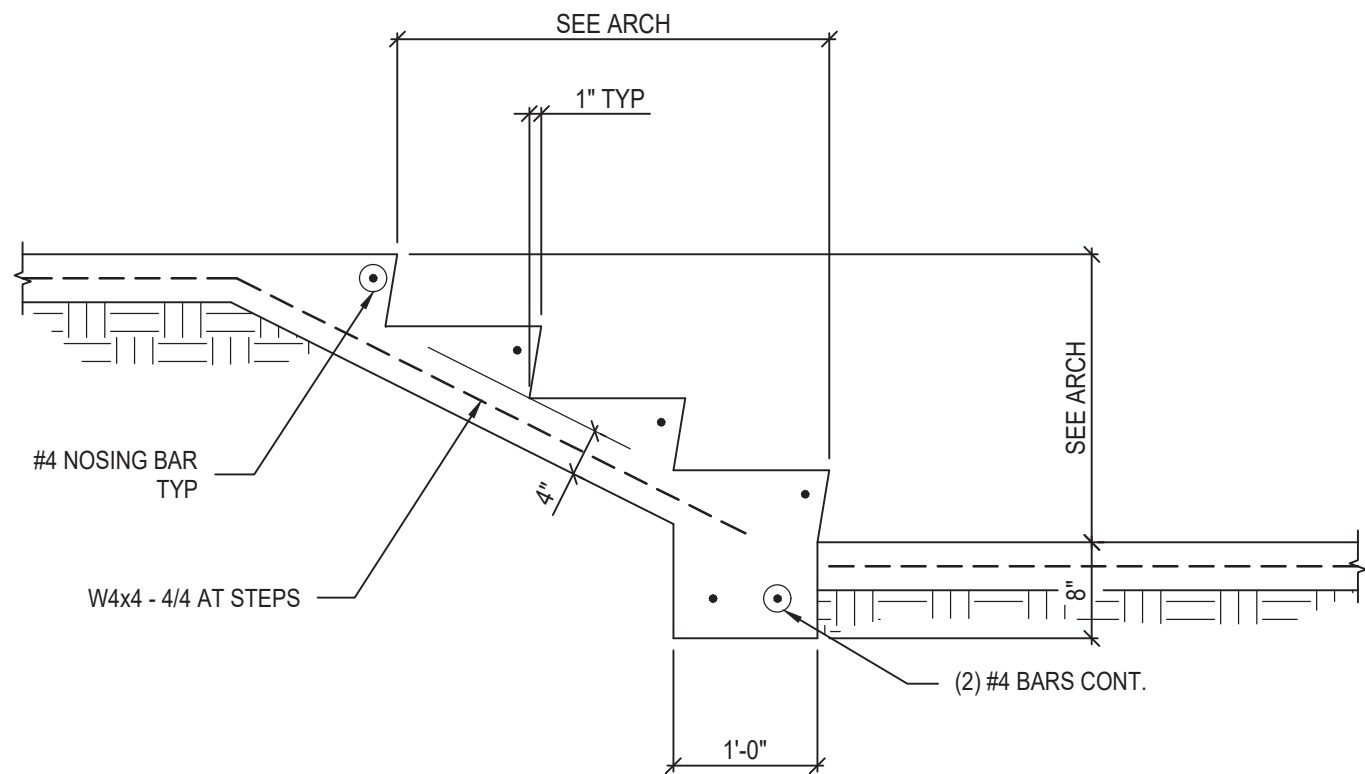
MASONRY LINTEL SCHEDULE				
 <p>Diagram showing a cross-section of a masonry lintel. Labels include: TOP OF SOLID GROUT FULL DEPTH, REINF. SEE LINTEL SCHEDULE IF REQUIRED, STIRRUPS w/ HOOK PER REINFORCING SCHEDULE, OPEN END BLOCKS, REINF. SEE LINTEL SCHEDULE, 1" C.I.R. MIN., 4" MAX., 2" MIN., 4" MAX., HEIGHT.</p>				
MARK	HEIGHT	WALL WIDTH	REINFORCING	REMARKS
L1	16"	8"	(1) #5 TOP & BOTTOM CONT.	STIRRUPS NOT REQUIRED
L2	16"	8"	(2) #5 CONT. TOP & BOTTOM & #3 STIRRUPS @ 16" O.C.	
L3	16"	12"	(2) #5 CONT. TOP & BOTTOM & #3 STIRRUPS @ 16" O.C.	
NOTES: [L1] DENOTES LINTEL DESIGNATION ON PLAN 1. COORDINATE w/ ARCH. DWG.'s FOR BOTTOM OF LINTEL ELEVATION, SIZE & LOCATION OF OPENINGS 2. VERTICAL REINF TO MATCH AND LAP WALL REINF PER GENERAL STRUCTURAL NOTES 3. EXTEND GROUT, OPEN END MASONRY UNITS AND REINF 8" PAST JAMB				

MASONRY JAMB SCHEDULE				
MARK	MIN WIDTH	REINFORCING	REMARKS	SCHEMATIC
J1	8"	(1) #5 VERTICAL EACH FACE TOTAL - (2) #5 VERTICAL	REINF CLEARANCE PER DETAIL	
J2	8"	(1) #5 VERTICAL EACH FACE TOTAL - (1) #5 VERTICAL	REINF CLEARANCE PER DETAIL	
NOTES: 1. ALL JAMB REINF EXTENDS FROM FOUNDATION TO TOP OF WALL 2. USE (1) M-#6 BAR EACH FACE IN CELLS ADJACENT TO WALL OPENINGS UNLESS NOTED OTHERWISE.				

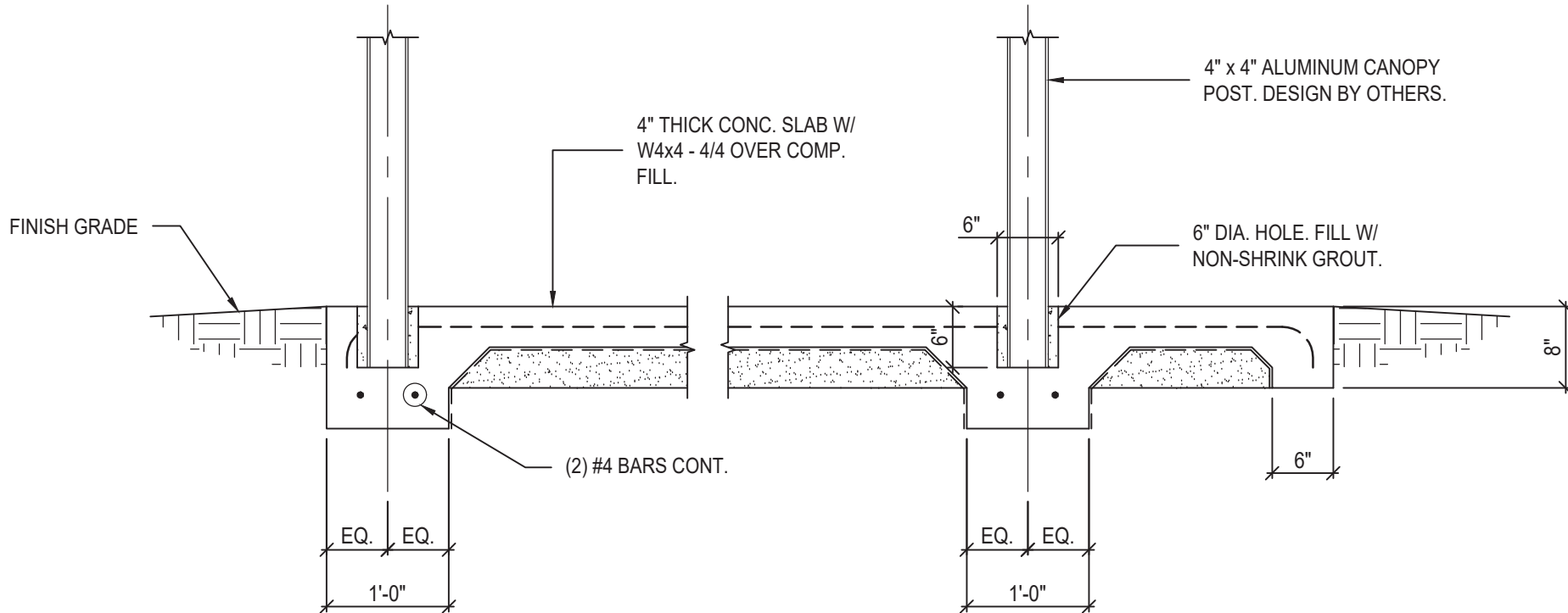
RECOMMENDED END HOOKS (ALL GRADES, D = FINISHED BEND DIAMETERS)				
BAR SIZE, No	D, "in	180-DEGREE HOOK		90-DEGREE HOOK
		A or G, ft-in	J, ft-in	A or G, ft-in
3	2 1/4	5	3	6
4	3	6	4	8
5	3 3/4	7	5	10
6	4 1/2	8	6	1-0
7	5 1/4	10	7	1-2
8	6	11	8	1-4
9	9 1/2	1-3	11 3/4	1-7
10	10 3/4	1-5	1-1 1/4	1-10
11	12	1-7	1-2 3/4	2-0
14	18 1/4	2-3	1-9 3/4	2-7
18	24	3-0	2-4 1/2	3-5
* FINISHED BEND DIAMETERS INCLUDE "SPRING BACK" EFFECT WHEN BARS STRAIGHTEN OUT AFTER BEING BENT AND ARE SLIGHTLY LARGER THAN MINIMUM BEND DIAMETERS IN ACI 318 7.2				
DETAILING DIMENSION  180-DEGREE		DETAILING DIMENSION  90-DEGREE		



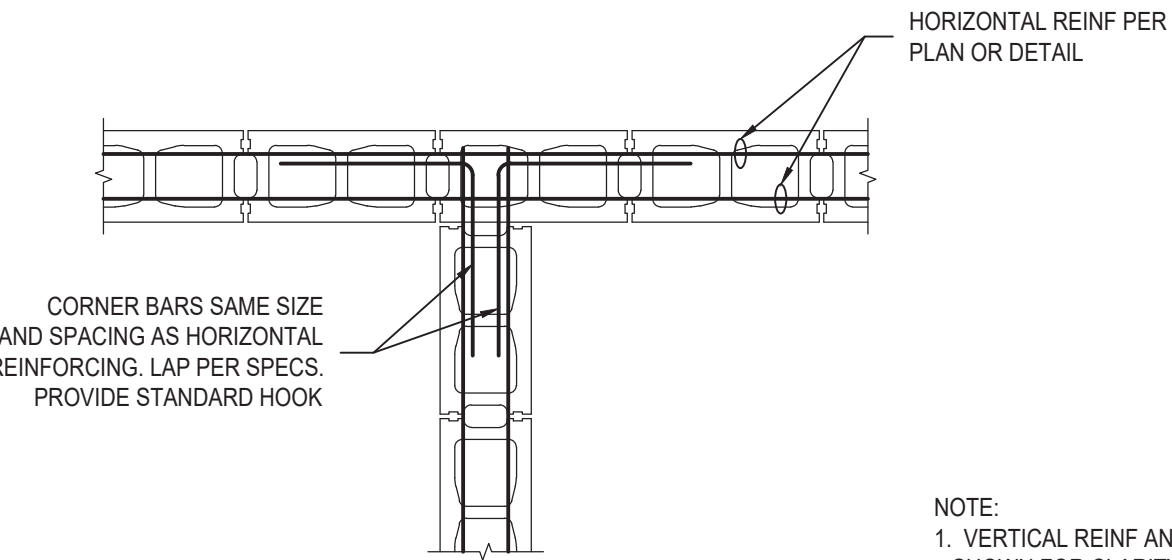
TYPICAL OPENING AT MASONRY WALL
N.T.S.



TYP. STAIRS ON GRADE DETAIL
SCALE: 3/4"=1'-0"

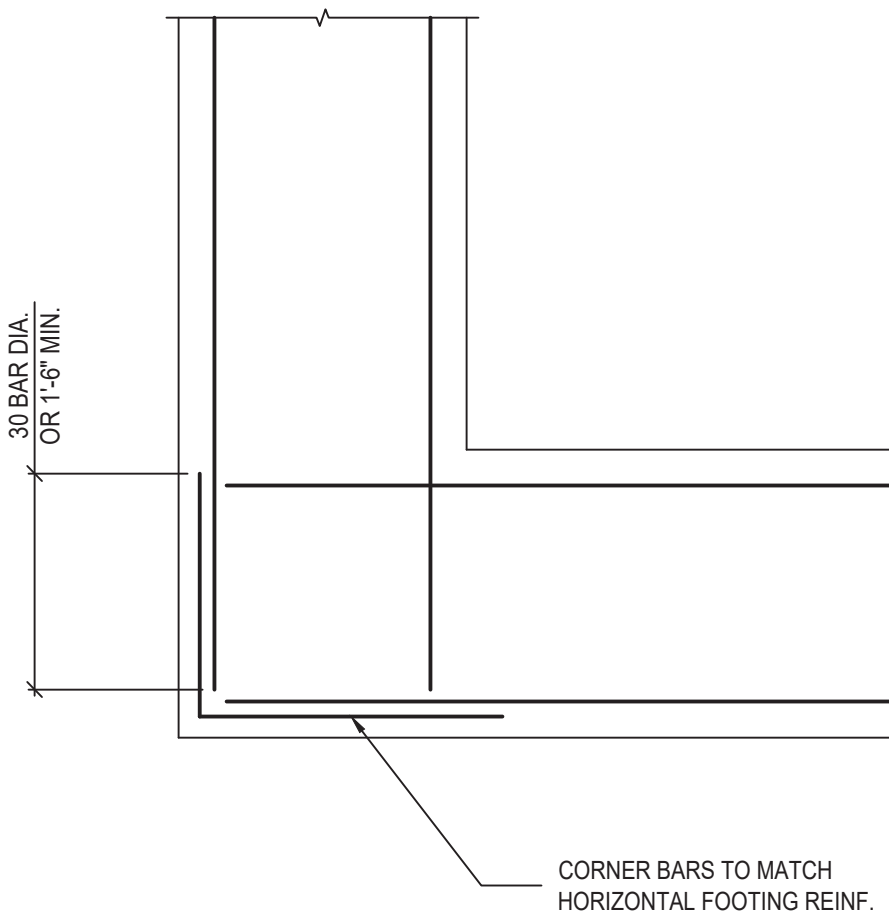


SECTION
SCALE: 3/4"=1'-0"
1
S3

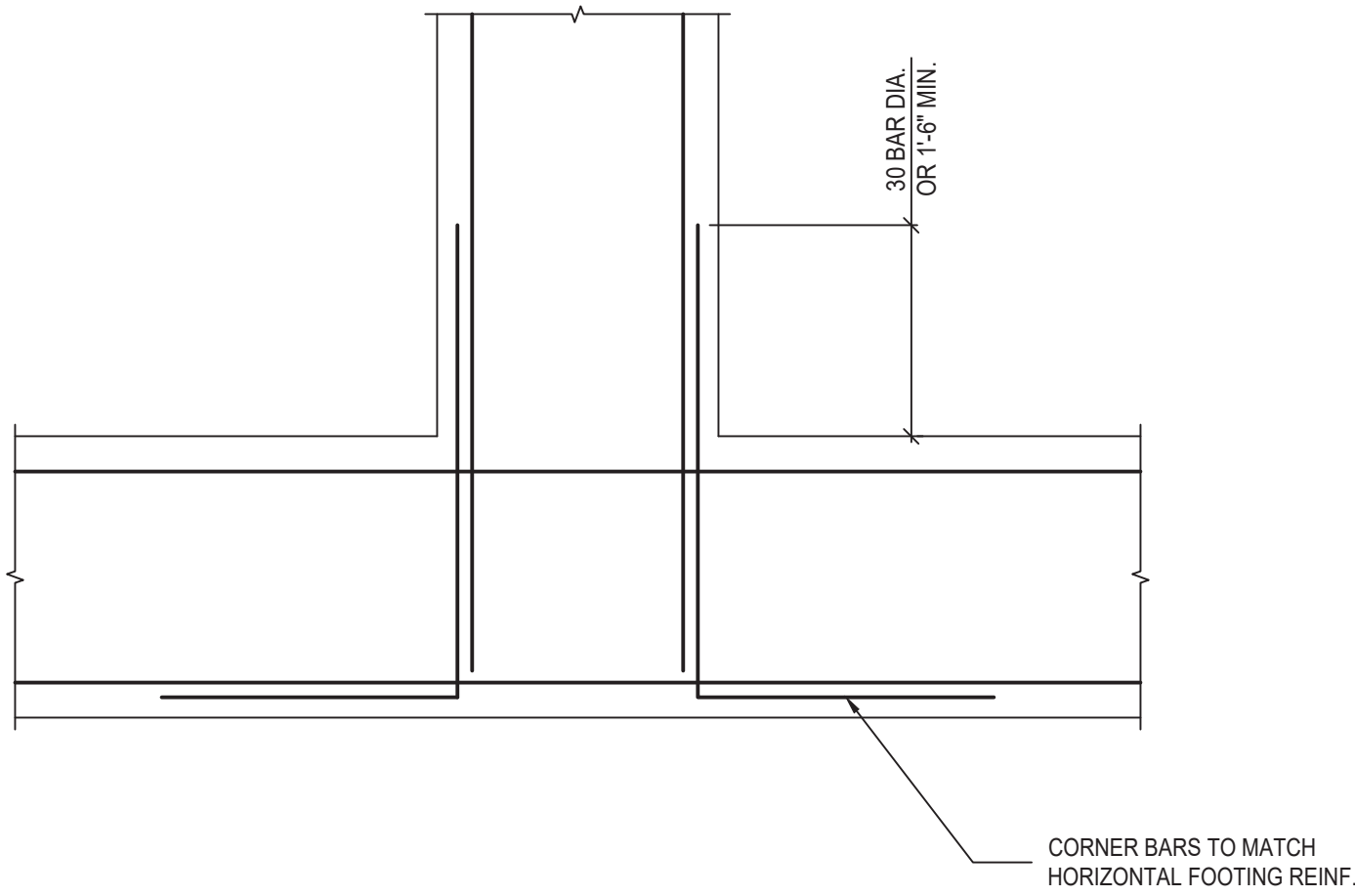


NOTE:
1. VERTICAL REINF AND GROUT NOT SHOWN FOR CLARITY

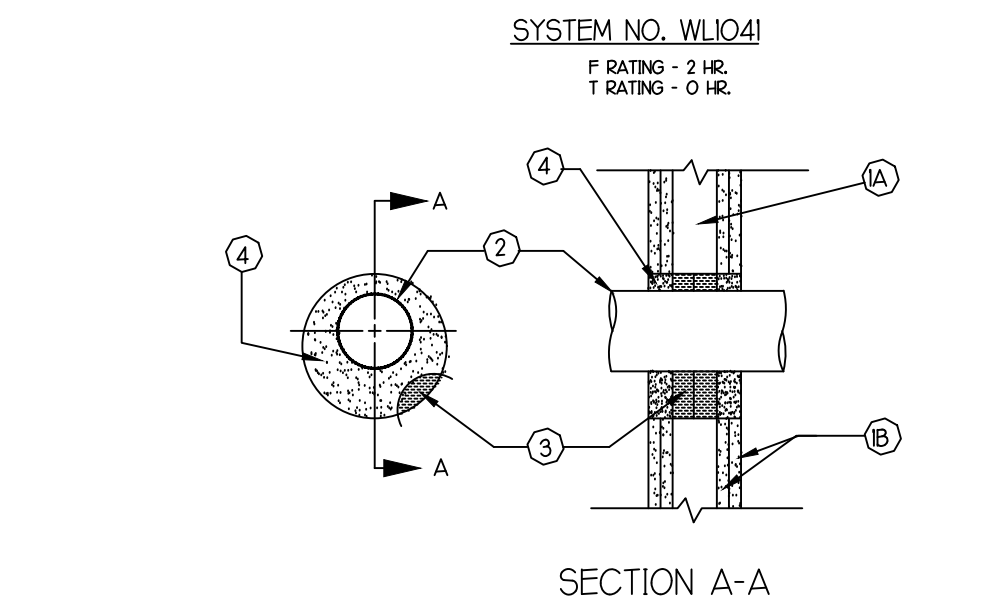
TYPICAL MASONRY LINTEL REINFORCEMENT AT INTERSECTION
SCALE: 3/4"=1'-0"



TYP. FOOTING CORNER REINF.
SCALE: 3/4"=1'-0"



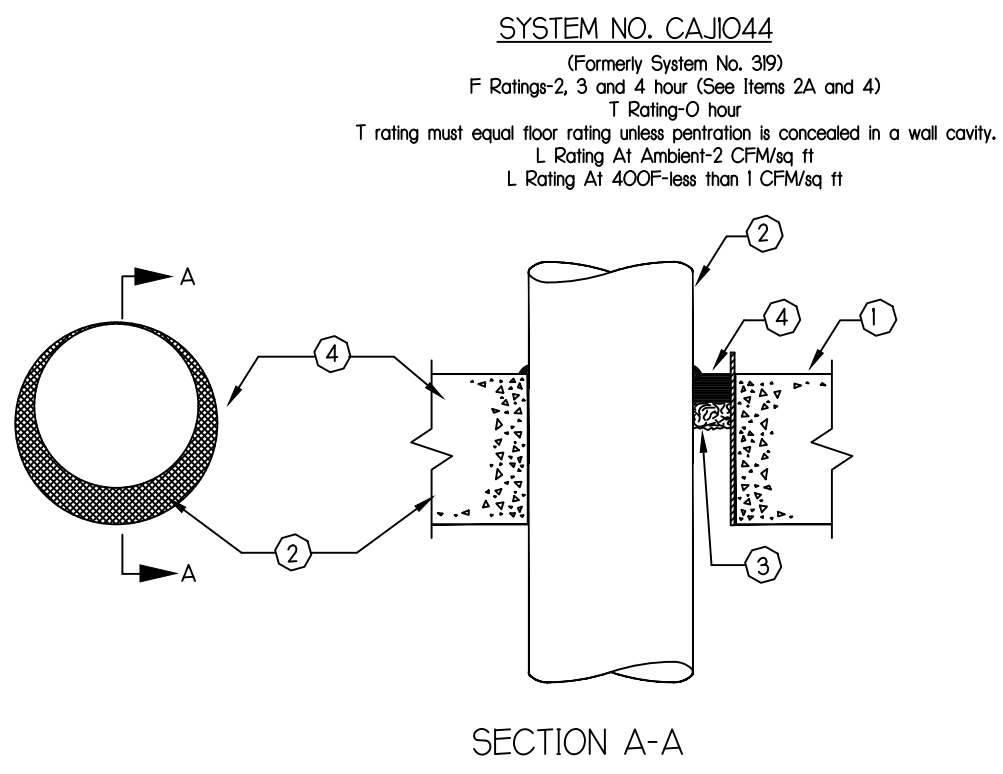
TYP. FOOTING INTERSECTION REINF.
SCALE: 3/4"=1'-0"



1. Wall Assembly - The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U500 or U400 Series Wall and Partition Designs in the U.L. Fire Resistance Directory and shall include the following construction details:
 - A. Studs - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced max 16 in. OC. Steel studs to be 8 min 2x12 in wide and spaced 24 in. OC.
 - B. Wallboard, Gypsum - Two layers of nom 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Designs. Max dam of opening not to exceed 7 ft.
 - C. Through Penetrants - One metallic pipe or conduit to be installed concentrically or eccentrically within the firestop system. The annular space shall be min 1/4 in. to max 2x12 in. pipe or conduit to be rigidly supported on both sides of floor or wall assembly. The following types and size of metallic pipe or conduits may be used:
 - A. Steel Pipe - Nom 4 in. diam (or smaller) Schedule 5 (or heavier) steel pipe.
 - B. Conduit - Nom 4 in. diam (or smaller) electrical metallic tubing or steel conduit.
 - C. Copper Tubing - Nom 3 in. diam (or smaller) Type M (or heavier) copper tubing.
 - D. Packing Material - Min 3x12 in. thickness of min 0.5 pct fiberglass insulation firmly packed into opening as a permanent form. The packing material shall be sized to be at least 1/2 in. larger than the opening slot, centered in the slot mid-depth and compressed so that it is recessed a min. of 1/4 in. from each surface of wall.
 - E. Fill Void or Cavity Material - Dry mix material mixed with water at a rate of 100 grams of dry mix per 48 to 50 ml of water or a 48:50 to 50:100 ratio by weight of water to dry mix, in accordance with the accompanying installation instructions. Material applied to each surface of the packing material with the annulus between the penetrating item and periphery of opening is a min. depth of 1 1/4 in. Material shall be troweled flush with both surfaces of wall assembly.
- Gold Bond Building Products, National Gypsum Div. - Type Sto-Smooth PS.
- ** Bearing the U.L. Classification Marking.

FLOOR OR WALL ASSEMBLY

1-2-3 HR U.L. PENETRATION (STEEL CONDUIT)



1. FLOOR OR WALL ASSEMBLY- lightweight or normal weight (100-150 pcf) concrete. Except as noted in table under Item 4, min thickness of solid concrete floor or wall assembly is 4x12 in. Floor may also be constructed of any min. 6 in. thick U.L. Classified hollow core PRECAST CONCRETE UNIT. When floor is constructed of hollow core precast concrete units, packing material (Item 3) and caulk (Item 4) to be installed symmetrically on both sides of floor, flush with floor surface. Wall assembly may also be constructed of any U.L. Classified CONCRETE BLOCK. Max dam of opening in a wall lightweight or normal weight concrete. Floor is 32 in. Max dam of opening in floor constructed of hollow-core precast concrete units is 7 ft.
See CONCRETE BLOCKS (CAZT) and PRECAST CONCRETE UNITS (CPWU) categories in the Fire Resistance Directory for names of manufacturers.
- 1A. STEEL SLEEVE- (Optional, not shown)-Max 6 in. ID (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly. Sleeve may extend a max. of 2 in. above top of floor or beyond other surface of wall. Max 6 in. ID (or smaller) min. 0.028 wall thickness (or heavier) galvanized steel sleeve cast or grouted into floor or wall assembly. Sleeve may extend a max. of 1/2 in. beyond other surface of floor or wall.
2. THROUGH PENETRANTS-One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. Max annular space between pipe, conduit or tubing and edge of through opening, or sleeve is dependent on the parameters shown in Item 4. Min annular space between pipe or conduit and edge of through opening is zero in. (tight contact). Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and size of metallic pipes, conduits or tubing may be used:
 - A. STEEL PIPE-Nom 30 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - B. BOB PIPE-Nom 30 in. diam (or smaller) cast or ductile iron pipe.
 - C. CONDUIT-Nom 6 in. diam (or smaller) rigid steel conduit.
 - D. CONDUIT-Nom 4 in. diam (or smaller) steel electrical metallic tubing.
 - E. COPPER TUBING-Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.
 - F. COPPER PIPE-Nom 6 in. diam (or smaller) Rector (or heavier) copper pipe.
3. PACKING MATERIAL-Polyethylene boiler rod or nom 1 in. thickness of tightly-packed mineral wool batt or glass fiber insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of caulk in material (Item 4).
4. FILL VOID OR CAVITY MATERIAL-CAULK-Applied to fill the annular space flush with top surface of floor. In wall assemblies, required caulk thickness to be installed symmetrically on both sides of wall, flush with wall surface. All joint contact location between penetrant and sleeve or between penetrant and concrete, a min 1/4 in. dam bead of caulk shall be applied to the top surface of floor and of both surfaces of wall. The hourly F Rating and the min required caulk thickness are dependent upon a number of parameters, as shown in the following table:

Max Floor Or Wall Thick, in	Name Pipe Tube Or Conduit Diam, in	Max Annular Space, in	Min Caulk Thick, in	F Rating, Hr
2x12	12x12	1/2	1/2	2
2x12	12x12	3/4	1	2
4x12	12x12	3/4	1	2
4x12	12x12	1 1/4	1 1/4	3
4x12	12x12	1 1/2	1 1/2	3
4x12	12x12	2	2	3
4x12	12x12	3 1/2	3 1/2	3
4x12	22x30	2	2	3
5x12	12x12	1 3/8	1 3/8	4

(a) Max 2 in thickness of mineral wool batt insulation required in annular space.
(b) Min 1 in. thickness of mineral wool batt insulation required in annular space on both sides of floor or wall assembly. Min 1 in. thickness of caulk to be installed flush with each surface of floor or wall assembly. Firestop is being 5 Manufacturing Co.-CP 25W.

**Bearing the U.L. Classification Marking

FLOOR OR WALL ASSEMBLY

1-2-3 HR U.L. PENETRATION (STEEL CONDUIT)

UL PENETRATING PROCEDURE DETAILS

1/8"=1'

ELECTRICAL NOTES:

1. ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE MOST RECENT ADOPTED NFPA, NATIONAL ELECTRIC CODE, AND LOCAL CODES.
2. ALL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE NEW AND LABEL LISTED BY AN APPROVED THIRD PARTY TESTING AGENCY APPROVED BY THIS STATE.
3. ALL WIRING SHALL BE COPPER SINGLE CONDUCTORS, UNLESS OTHERWISE NOTED ON PLANS. MINIMUM WIRE SIZE IS #12 AWG. CONDUCTORS #8 AND LARGER SHALL BE TYPE THHN OR THWN STRANDED. #12 THRU #10 SHALL BE THWN SOLID. WIRE TO LIGHT FIXTURES SHALL BE AS REQUIRED BY U.L. LABEL. COLOR CODE CONDUCTORS, UNLESS OTHERWISE NOTED.
4. CONDUITS SHALL BE STEEL INDOOR & OUTDOOR, SCHEDULE 40 PVC SHALL BE ALLOWED ONLY BELOW FLOOR SLAB OR GRADE. EMT SHALL BE USED FOR SIZES 1/2" THROUGH 3 1/2".
5. ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE THE DAY THE PROJECT IS ACCEPTED BY THE OWNER.
6. THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOBSITE PRIOR TO SUBMISSION OF BID TO FAMILIARIZE HIMSELF WITH THE CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED AND THE EXTENT OF WORK REQUIRED. INCLUDE ALL COST IN BID PRICE.
7. SUPPORT ALL CONDUITS WITH STRAPS AND CLAMPS. RUN ALL CONDUIT PARALLEL OR PERPENDICULAR TO BUILDINGS.
8. ELECTRICAL DEMOLITION, RELOCATION OF EXISTING EQUIPMENT, CUTTING AND PATCHING REQUIRED FOR THE INSTALLATION OF THIS NEW WORK IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. THE EXTENT OF THE WORK REQUIRED SHALL BE DETERMINED DURING THE PREBID JOBSITE VISIT.
9. ALL SALVAGEABLE MATERIALS RESULTING FROM DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER. THE OWNER SHALL DETERMINE WHAT IS SALVAGEABLE.
10. ALL ELECTRICAL SYSTEMS AND EQUIPMENT SHALL COMPLY WITH ARTICLE 903 OF THE INTERNATIONAL BUILDING CODE.
11. PROVIDE MIN. 2" HORIZONTAL SEPARATION BETWEEN BOXES INSTALLED IN OPPOSITE SIDES OF A SAME WALL AS INDICATED IN N.E.C. 300.21.
12. ALL TERMINATIONS ON PANELS SHALL HAVE DUAL RATED 60°C/75°C LUGS.
13. PROVIDE ADDITIONAL FIRE ALARM DEVICES AS DIRECTED BY THE FIRE MARSHALL AT NO ADDITIONAL COST TO OWNER.
14. ALL EGRESS LIGHTING SHALL COMPLY WITH S.C. BUILDING CODE. THE ELECTRICAL CONTRACTOR SHALL VERIFY THIS IN THE FIELD AND ADD ADDITIONAL EMERGENCY LIGHTS IF REQUIRED.
15. NO OPEN FLAME DEVICES SHALL BE UTILIZED TO BEND PVC CONDUIT. ALL HEATING DEVICES MUST BE ENCLOSED FLAME (HEAT GUN OR HEAT ROLLER, NO TORCHES). ALL HEATING METHODS MUST BE APPROVED BY ELECTRICAL ENGINEER PRIOR TO INSTALLATION. ANY CONDUIT THAT HAS BEEN HEATED TO WHERE PVC IS DAMAGED OR DISCOLORED SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST.
16. ALL BALLASTS IN FLUORESCENT LIGHT FIXTURES THAT ARE CONTROLLED BY OCCUPANCY SENSORS ARE TO BE PROGRAM START BALLASTS.
17. AS PER N.E.C. 230.95 (C), THE PERFORMANCE TEST FOR GFIPE SHALL BE PROVIDED FOR AUTHORITY HAVING JURSDICTION, AHI, AT THE TIME OF INSPECTION.
18. ALL ELECTRICAL EQUIPMENT ABOVE CEILINGS TO MEET REQUIREMENTS OF NEC 110.26 RELATIVE TO CLEARANCES, EXACT PLACEMENT OF ELECTRICAL EQUIPMENT TO BE FIELD VERIFIED AND RELOCATED IF NEEDED BASED ON LOCATION SHOWN ON PLANS.
19. EXPANSION COUPLINGS SHALL BE USED ON ALL RACEWAYS THAT PASS THROUGH EXPANSION JOINTS OF THE BUILDING. COORDINATE THESE LOCATIONS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
20. ALL EXTERIOR EMERGENCY LIGHTS SHALL BE FIELD LOCATED TO ALLOW FOR LIGHT LUMENS TO BE AT EXTERIOR DOOR. COORDINATE EXACT PLACEMENT IN FIELD TO ELIMINATE ANY INTERFERENCE FROM WALLS OR CANOPIES.
21. ANY ELECTRICAL DEVICE (RECEPTACLE, LIGHT SWITCH, FIRE ALARM DEVICE, CONDUIT, LIGHT, ETC.) INSTALLED IN A WALL THAT IS TO BE REMOVED SHALL BE REMOVED OR RELOCATED WHETHER INDICATED ON PLANS OR NOT. IF ITEM IS REMOVED, CIRCUIT MUST BE MADE CONTINUOUS.

SYMBOL SCHEDULE

	NEW CONDUIT AND WIRE.
	EXISTING SWITCH TO BE RELOCATED.
	EXISTING RECEPTACLE TO RELOCATED OR REMOVED, SEE PLANS.
	NEW FIRE ALARM STROBE. 90° LP. CONNECT TO EXISTING FIRE ALARM SYSTEM.
	EXISTING FIRE ALARM STROBE TO BE RELOCATED. SEE PLANS.
	EXISTING EXIT SIGN TO REMAIN OR REMOVED, SEE PLANS.
	LITHONIA: LOM-S-W-RO/277-EL N-SD. LED EXIT SIGN WITH BATTERY BACKUP. WHITE. PROVIDE MOUNTING, FACES, & ARROWS AS SHOWN ON PLANS. LETTER COLOR TO MATCH EXISTING EXIT SIGNS. 120/277V.
	LITHONIA: ELMA-LVOLT-LTP-SORT-RTKIT. LED INTERIOR EMERGENCY UNIT WITH BATTERY BACKUP. WHITE. 120/277V.
	LITHONIA: AFF-CEL-DNAXD-LVOLT-LTP-SORT-FCT-CW-RTKIT. LED EXTERIOR EMERGENCY UNIT WITH BATTERY BACKUP. NATURAL ALUMINUM. 120/277V.
	EXISTING 2x4 LIGHTING FIXTURE TO REMAIN. RELAMP.
	LEVITON ODSIO-IDG OCCUPANCY SENSOR SWITCH 48" TO CENTER LINE. COLOR AND PLATE TO MATCH EXISTING.
	LEVITON OPB8-DW POWERBASE & LEVITON OSC20-NOW OCCUPANCY SENSOR. MOUNT ON CEILING. SET OFF TIMER AT 15 MINUTES. MINIMUM OF 6" FROM AIR VENT AND 4" FROM LIGHT FIXTURE.

FOR LIGHT FIXTURE TYPES XA, XB, & XC, CONNECT FIXTURE HOT AHEAD OF SWITCHES TO THE CIRCUIT THAT FEEDS LIGHTS IN SAME AREA THAT LIGHT FIXTURE TYPES XA, XB, & XC ARE LOCATED IN.

NO LOAD IS ADDED TO THIS PROJECT.

PROJECT TITLE:
MBIS
Renovations
for
Records
Science Kits
Adult Education

TMS: 173-160-2005
North Oak Street
Myrtle Beach, SC

FILE NUMBER: 2002

SHEET TITLE: ELECTRICAL INFO

DATE: March 6, 2020
REVISION DATE:

SHEET NUMBER:
E-1
OF 4

