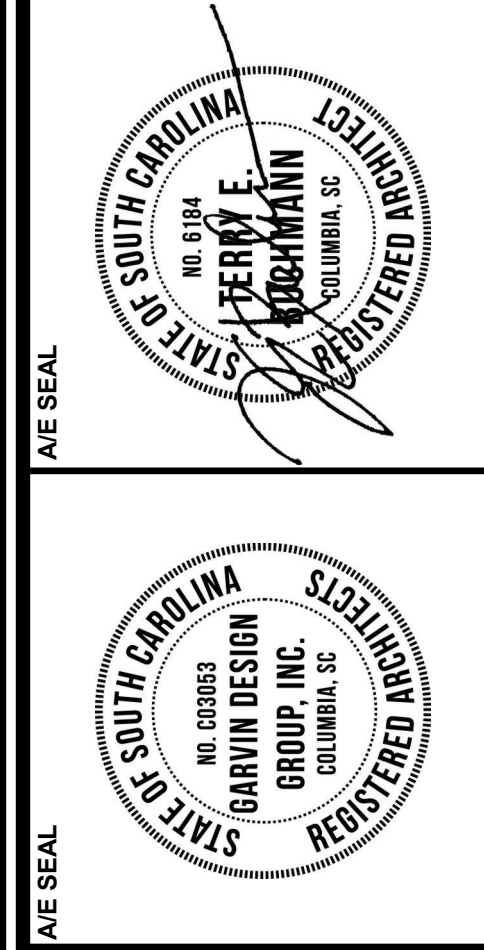
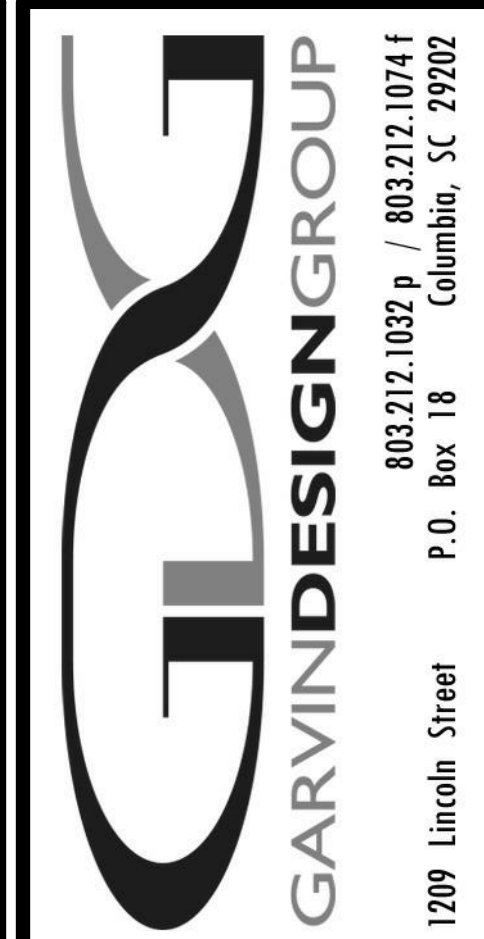


UNIVERSITY OF SOUTH CAROLINA RE-BID: COLISEUM LAUNDRY ROOM FOR BASKETBALL

CAROLINA COLISEUM
701 ASSEMBLY STREET
COLUMBIA, SOUTH CAROLINA 29208
USC Project Number: FP00000296
Architect's Project Number: U501.18

CONSTRUCTION DOCUMENTS
28 JANUARY 2020



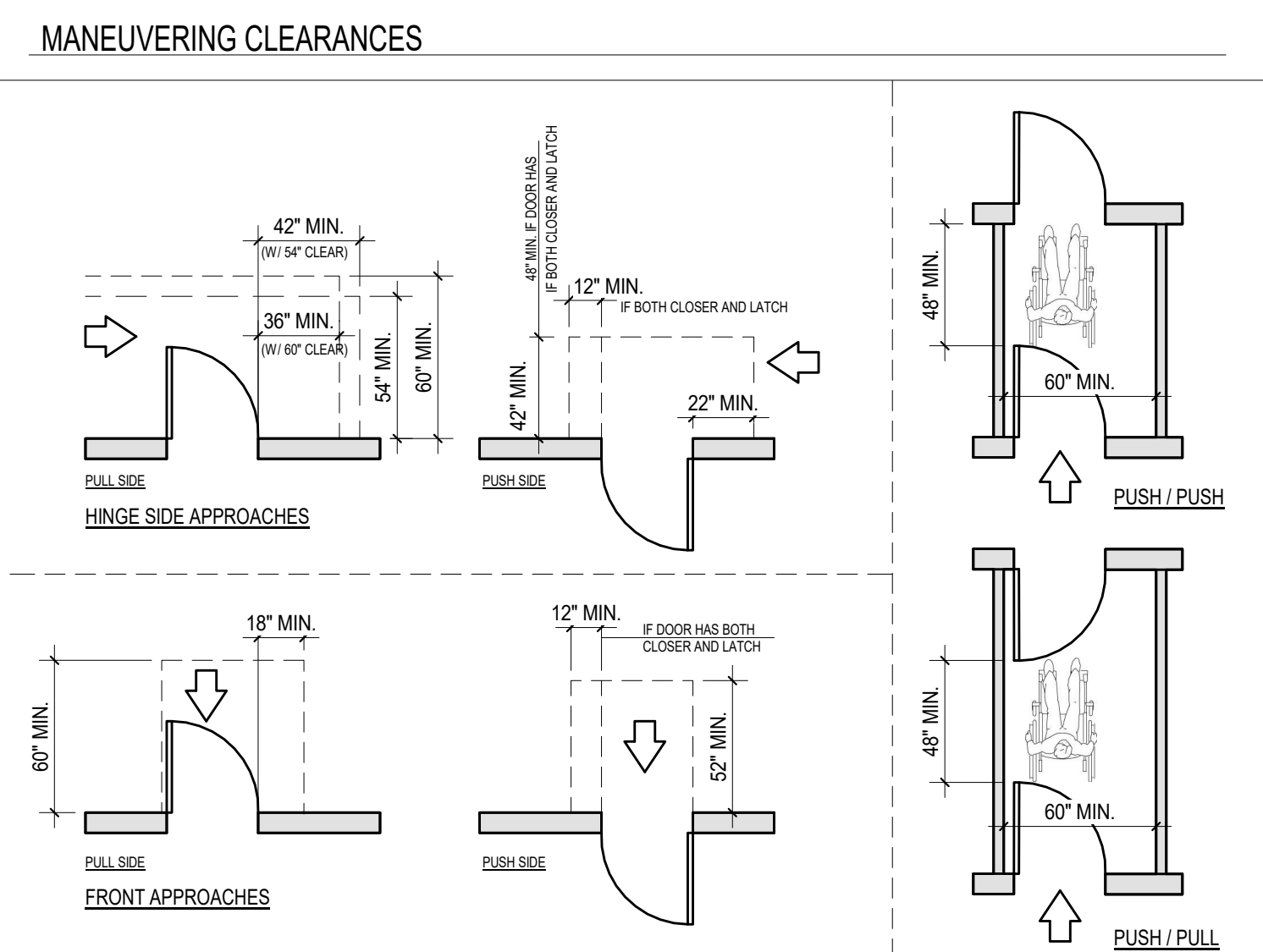
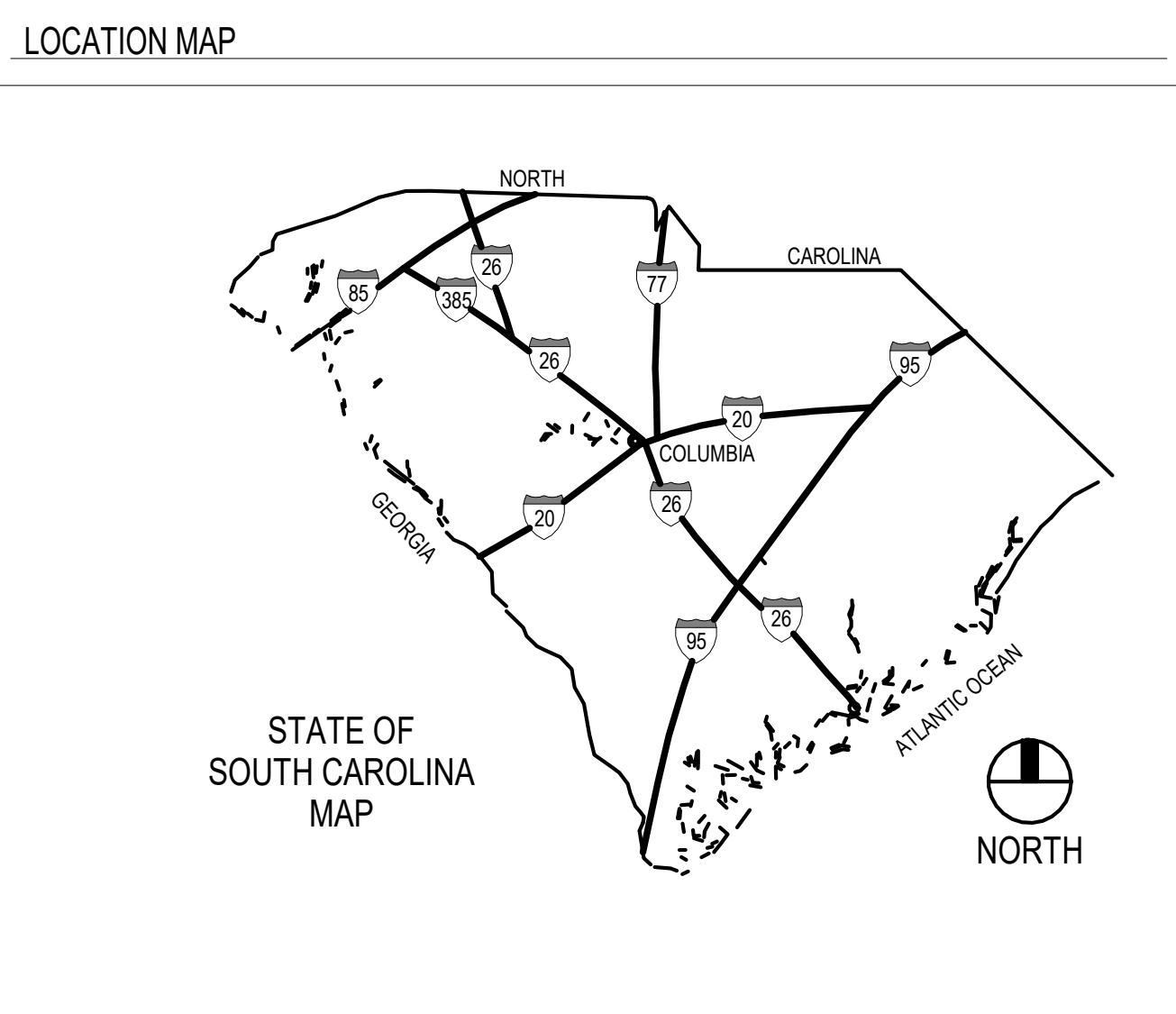
PROJECT TITLE
RE-BID: COLISEUM LAUNDRY ROOM FOR BASKETBALL
PROJECT NO.
FP00000296
ARCHITECT
Garvin Coliseum
701 Assembly St
Columbia, SC 29208

NO.	REVISIONS	NAME	DATE

DRAWN BY: _____
CHECKED BY: _____
DATE: _____

TITLE SHEET, INDEX TO DRAWINGS, CODE INFORMATION & LIFE SAFETY PLAN

PROJECT NO. U501.18
DATE 01.28.20
DRAWING NO. **T1.1**



CODE INFORMATION - GENERAL

PROJECT DESIGNED IN ACCORDANCE WITH:

- INTERNATIONAL BUILDING CODE (IBC), 2015 EDITION
- INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2015 EDITION
- INTERNATIONAL FIRE CODE (IFC), 2015 EDITION
- INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2009 Edition
- INTERNATIONAL FUEL GAS CODE (IFGC), 2015 EDITION
- INTERNATIONAL MECHANICAL CODE (IMC), 2015 EDITION
- INTERNATIONAL PLUMBING CODE (IPC), 2015 EDITION with the following insertions:
1 Section 302.4.1, insert "18" and insert "18"
2 Section 903.1, insert "9"
- INTERNATIONAL PRIVATE SEWAGE DISPOSAL CODE (IPSDC), 2015 EDITION
- INTERNATIONAL PROPERTY MAINTENANCE CODE (IPMC), 2015 EDITION
- NATIONAL ELECTRICAL CODE (NEC) (NFPA 70), 2014 EDITION
- NATIONAL ELECTRICAL SAFETY CODE, IEEE-C2-2012 EDITION
- USABLE BUILDINGS AND FACILITIES: AMERICAN NATIONAL STANDARDS INSTITUTE, INC. (ANSI) - A117.1 - 2017, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- STATE FIRE MARSHAL RULES, REGULATIONS, AND POLICIES - LATEST EDITION
- STATE OF SC TELEPHONE EQUIPMENT ROOM AND COMMUNICATIONS/DATA SYSTEMS POLICY AS FORMULATED BY THE DSIT

CODE INFORMATION - LAUNDRY

EXISTING BUILDING GENERAL CODE INFORMATION: DESIGNED c. 1996 UNDER CURRENT CODE AT THE TIME

EXISTING BUILDING OCCUPANCY: ASSUMED MIXED USE - ASSEMBLY (A-1) AND BUSINESS (B)

EXISTING CONSTRUCTION CLASSIFICATION: ASSUMED TYPE IIB, NON-SPRINKLERED, WITH FIRE ALARM (RECENT RENOVATIONS IN 2009, 2017 AND 2018 ON GROUND FLOOR ARE SPRINKLERED PER NFPA-13)

PROJECT SCOPE RELEVANT CODE INFORMATION - GROUND FLOOR (ATHLETIC LEVEL)

NEW USE - RENOVATION	AREA	AREA PER PERSON	OCCUPANT LOAD
BUSINESS (B)	850 SF	100 GROSS	9
TOTAL:	850 SF		9

- DISTANCE BETWEEN EXITS = MIN. ONE-THIRD LENGTH OF MAX. OVERALL DIAGONAL (SPRINKLERED) (PER TABLE 1007.1.1)
- MAX. COMMON PATH OF EGRESS TRAVEL DISTANCE = 100' (SPRINKLERED) (PER TABLE 1008.2.1)
- MAX. EXIT ACCESS TRAVEL DISTANCE = 300' (SPRINKLERED) (PER TABLE 1017.2)

NOTES

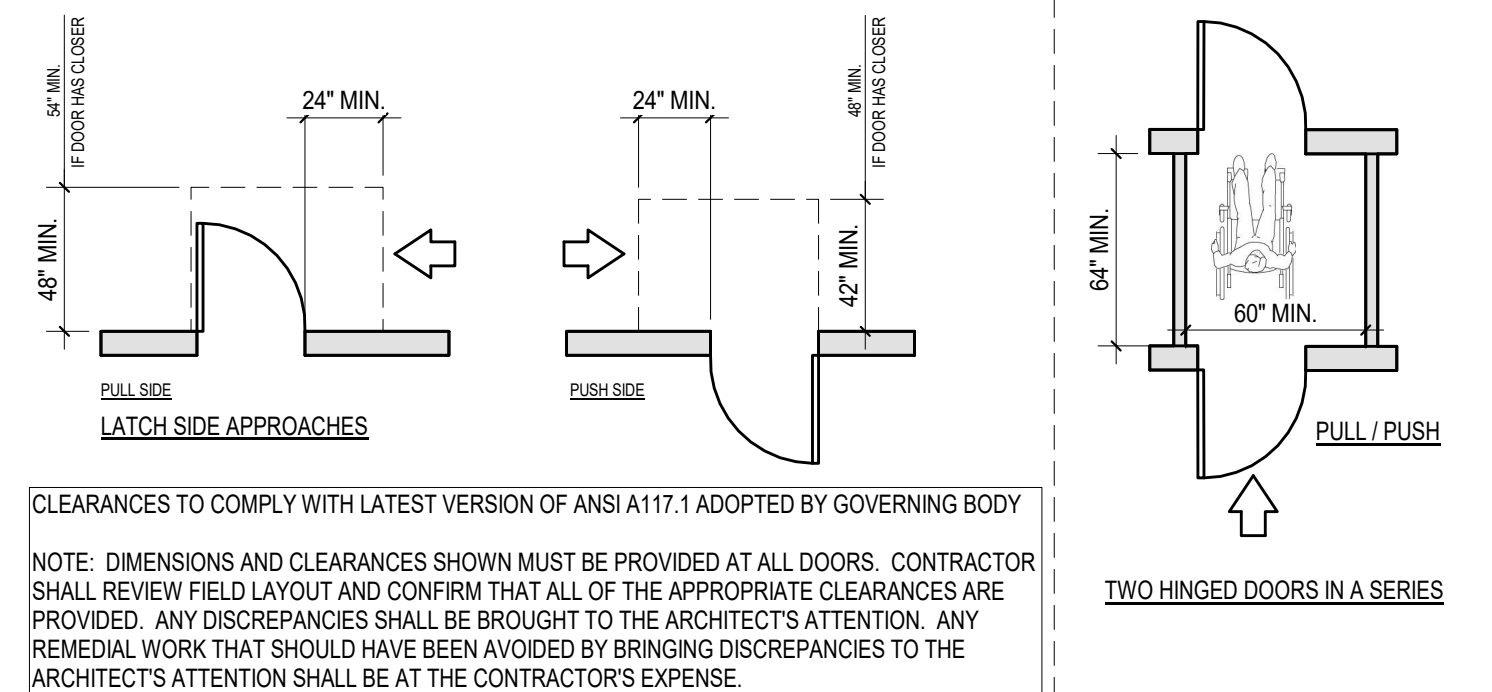
- TRAVEL DISTANCES ARE BEING CONSIDERED FOR SPRINKLERED BUILDING SINCE ALL RENOVATED SPACE IS SPRINKLERED PER NFPA-13. OTHER EXISTING NON-RENOVATED SPACES IN ORIGINAL BUILDING (COLISEUM) ARE NON-SPRINKLERED.
- CURRENT FIRE RATINGS ARE BEING MAINTAINED/NOT CHANGING.
- INCIDENTAL USE SEPARATION IS REQUIRED PER 2015 IBC 509.1 FOR LAUNDRY ROOMS OVER 100 SF. SINCE AREA IS BEING SPRINKLERED, 1-HOUR FIRE RATED SEPARATION NOT REQUIRED (TABLE 509).

INDEX TO DRAWINGS

T1.1	TITLE SHEET, INDEX TO DRAWINGS, CODE INFORMATION & LIFE SAFETY PLAN
A1.1	ARCHITECTURAL
A2.1	GROUND FLOOR AND DEMOLITION PLANS
A3.1	GROUND FLOOR REFLECTED CEILING PLAN AND CEILING DEMOLITION PLAN
A4.1	ELEVATIONS, SECTIONS, PARTITION TYPES, DOOR SCHEDULE AND DETAILS FINISHES
MD1.1	MECHANICAL
M1.1	HVAC DEMOLITION FLOOR PLAN, NOTES, SCHEDULE AND LEGEND
FP1.1	FIRE PROTECTION
	FLOOR PLAN AND NOTES
E0.1	ELECTRICAL
E0.2	ELECTRICAL NOTES & LEGENDS
E1.1	ELECTRICAL ONE-LINE DIAGRAM & PANELBOARD SCHEDULE
E2.1	LIGHTING PLANS
	POWER/SYSTEMS PLANS

MATERIAL DESIGNATIONS

	COMPACTED EARTH		WOOD (ROUGH)
	POROUS FILL (STONE OR GRAVEL)		WOOD (FINISHED)
	CONCRETE		PLYWOOD
	CONCRETE MASONRY UNIT (CMU)		BATT INSULATION
	BRICK		GYPSUM BOARD
	SAND, PLASTER, CEMENT, GROUT		RIGID INSULATION
	STEEL		



ABBREVIATIONS

∠	ANGLE
@	ABOVE FINISH FLOOR
ALUM	ALUMINUM
ARCH	ARCHITECTURAL
BULK	BLOCKING
BU	BUILT-UP ROOF
CL	CENTERLINE
CJ	CONTROL JOINT
CLG	CEILING
CTR	CENTER
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONT	CONTINUOUS
DA	DIAMETER
DS	DOWN SPOUT
DWG	DRAWING
EXT	EXTERIOR
EXIST	EXISTING
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
EL	ELEVATION
ELEV	ELEVATOR
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
FIN	FINISH
FD	FLOOR DRAIN
FF	FACE OF FINISH
FOS	FACE OF STUD
FR	FIRE RETARDANT
FR V	FIELD VERIFY
GA	GAUGE
GB	GYPSUM BOARD
GM	HOLLOW METAL
HM	HORIZONTAL
HORIZ	HEIGHT
HT	HEATING VENTILATION AIR-CONDITIONING
HYAC	INSIDE DIAMETER
ID	INSULATION
INSUL	JOINT
JT	LAVATORY
LAV	MAXIMUM
MAX	MECHANICAL
MECH	MANUFACTURER
MFR	MINIMUM
MN	MASONRY OPENING
MO	NOT IN CONTRACT
NIC	NOMINAL
NOM	NOT TO SCALE
NTS	ON CENTER
OC	OUTSIDE DIAMETER
OP	OPENING
OPNG	OPPOSITE
OPP	PAINT
P	PAIR
PL	PLATE, PROPERTY LINE
PL	PRESSURE TREATED
PL	RADIUS
PL	REQUIRED
PL	ROOF DRAIN
RD	ROUGH OPENING
RD	SQUARE FEET
RD	SIMILAR
RD	SPECIFICATIONS
RD	STAINLESS STEEL
RD	STANDARD
RD	STRUCTURAL
RD	SUSPENDED
RD	SUSP
RD	TOP OF STEEL
RD	TOW
RD	TYPICAL
RD	UNLESS NOTED OTHERWISE
RD	VERTICAL
RD	VERT
RD	VINYL COMPOSITION TILE
RD	VCT
RD	WITH
RD	WATER CLOSET
RD	WC
RD	WATER RESISTANT
RD	WR
RD	WELDED WIRE FABRIC
RD	WWF
RD	WOOD
RD	WD

ARCHITECTURAL SYMBOLS

TITLE
A1.1 SCALE: 1'-0" = 1'-0"
REF: 1/A1.1
LOCATION OF DETAIL CUT (AS SHOWN)

PLAN DETAIL REFERENCE
A1.1 WHERE DETAIL IS SHOWN

WALL SECTION / DETAIL SECTION REFERENCE
A1.1 WHERE WALL SECTION / DETAIL IS SHOWN

ROOM TAG SYMBOL
100 ROOM NAME
100 ROOM NUMBER

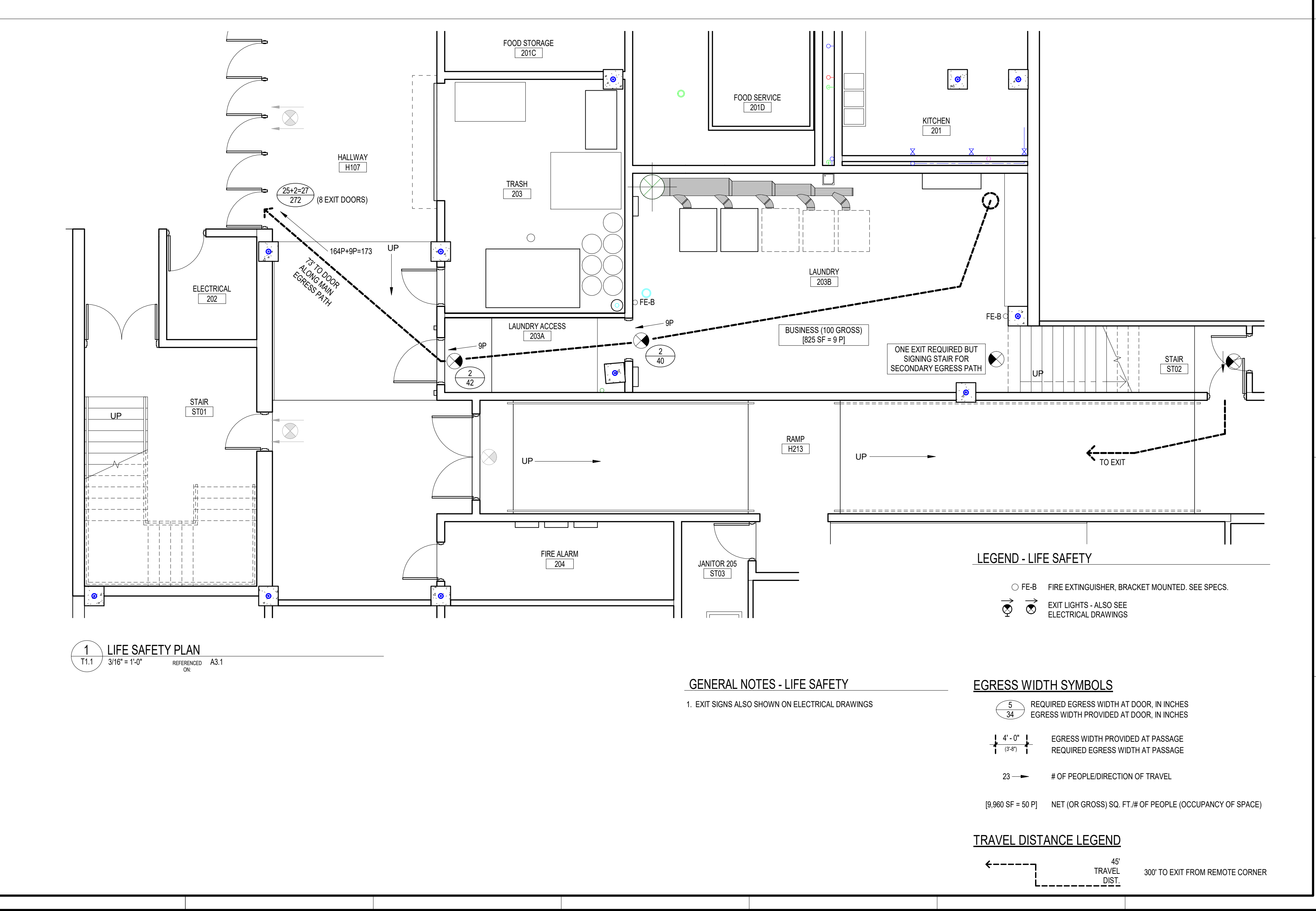
DOOR SYMBOL
001A DOOR NUMBER
DX FX FRAME TYPE
DOOR TYPE

RECEPTION
13'-4" DIMENSION TO FACE OR EDGE
13'-4" DIMENSION TO CENTERLINE
EL 14'-0" ELEVATION ABOVE SEA LEVEL (ITEM IDENTIFIED)
FIN FLOOR
S1 WINDOW / STOREFRONT / CURTAIN WALL / LOUVER TYPE
TA PARTITION TYPE
FEC FIRE EXTINGUISHER RECESSED IN WALL CABINET
FEC FIRE EXTINGUISHER MOUNTED ON WALL BRACKETS
FD-FLOOR DRAIN

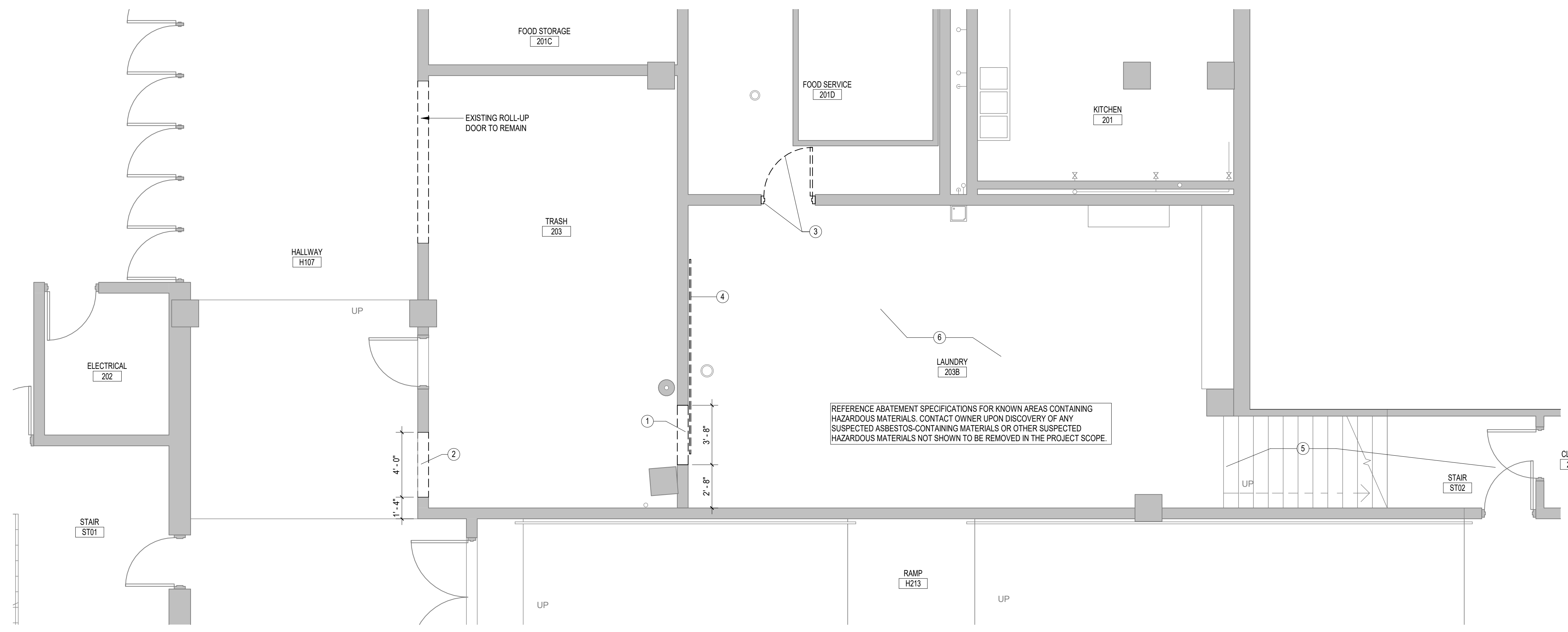
ALTERNATE WALL SECTION REFERENCE
WALL SECTION / DETAIL NUMBER
WHERE WALL SECTION / DETAIL IS SHOWN
TOP = TOP HALF OF WALL FOR PARTICULAR LEVEL
BOT = BOTTOM HALF OF WALL FOR PARTICULAR LEVEL
SIM = SIMILAR CONDITION
OH = OPPOSITE HAND CONDITION
OPP = OPPOSITE HAND CONDITION
ROT = ROTATED CONDITION

FIRE RATED WALL SYMBOLS
ONE-HOUR FIRE-RATED WALL ASSEMBLY
TWO-HOUR FIRE-RATED WALL ASSEMBLY
FOUR-HOUR FIRE-RATED WALL ASSEMBLY
SEE PARTITION TYPES FOR UL DESIGN NOS.

REVISION SYMBOL
CLOUD AROUND REVISION
MP2MS6 EXTERIOR WALL / ROOF CONSTRUCTION TYPE



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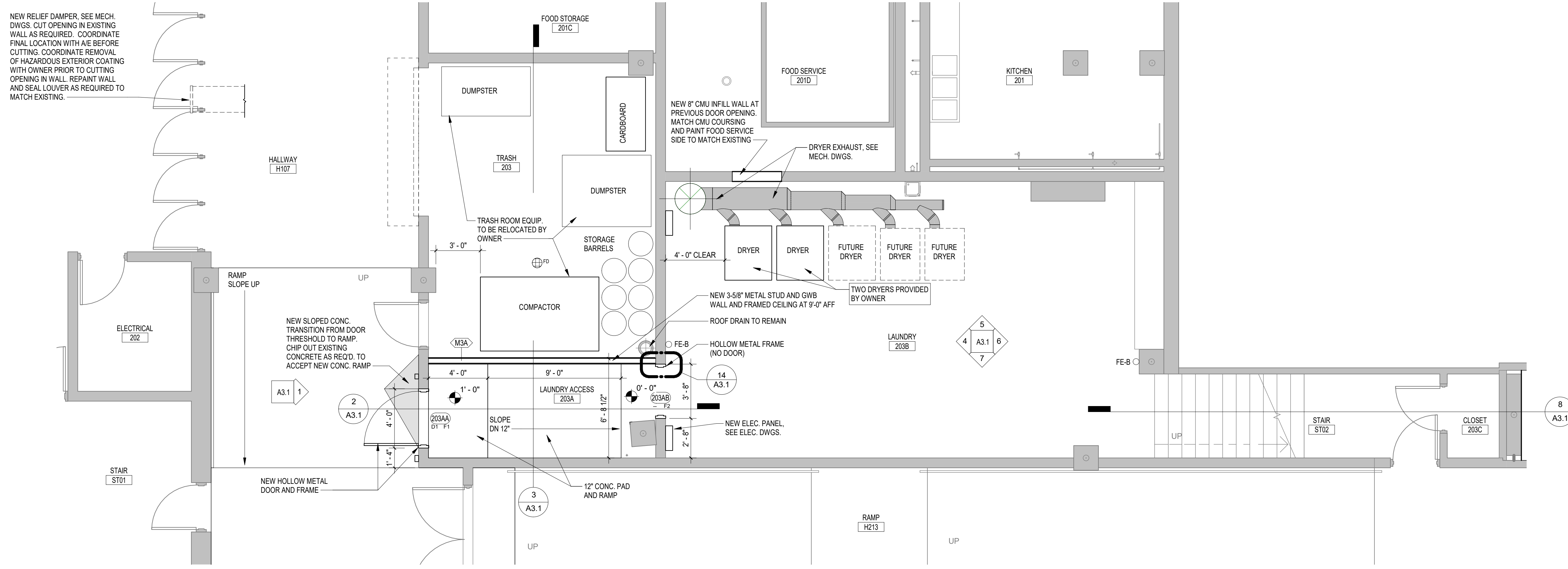


- KEYNOTES - DEMO PLAN**
- 1 DEMO CMU WALL FOR NEW HOLLOW METAL FRAME. SAW CUT OPENING AS REQUIRED. SEE FRAME SCHEDULE FOR SIZE.
 - 2 DEMO CMU WALL FOR NEW HOLLOW METAL DOOR AND FRAME. SAW CUT OPENING AS REQUIRED. SEE DOOR AND FRAME SCHEDULE FOR SIZE.
 - 3 DEMO EXISTING HM DOOR AND FRAME. INFILL OPENING WITH 8" CMU. PAINT/FINISH TO MATCH EXISTING.
 - 4 DEMO EXISTING CHALKBOARD
 - 5 EXISTING CARPET TO REMAIN ON STAIRS AND UPPER LANDING.
 - 6 REMOVE EXISTING CARPET ON MAIN FLOOR LEVEL ONLY.

- LEGEND - DEMOLITION PLAN**
- EXISTING WALL TO BE DEMOLISHED
 - EXISTING WALL TO REMAIN
 - EXISTING DOOR AND FRAME TO BE DEMOLISHED
 - EXISTING DOOR AND FRAME TO REMAIN
- NOTE: SEE KEYNOTES AND PLUMBING, MECHANICAL AND ELECTRICAL DEMO DRAWINGS FOR ADDITIONAL DEMO WORK

- GENERAL NOTES - DEMO PLAN**
1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF DEMOLITION AND NEW WORK. EXISTING BUILDING INFORMATION SHOWN IS BASED ON THE EXISTING DRAWINGS PROVIDED BY THE OWNER AND SELECTIVE FIELD MEASUREMENTS. GENERAL CONTRACTOR AND SUB-CONTRACTORS ARE TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID AND PRIOR TO CONSTRUCTION.
 2. PROVIDE AND INSTALL ALL SHORING AND SUPPORT SYSTEMS NECESSARY TO ENSURE EXISTING STRUCTURE TO REMAIN STABLE THROUGHOUT DEMOLITION AND NEW CONSTRUCTION.
 3. WHERE APPLICABLE, REFERENCE ABATEMENT SPECIFICATIONS FOR KNOWN AREAS CONTAINING HAZARDOUS MATERIALS. CONTACT OWNER UPON DISCOVERY OF ANY SUSPECTED ASBESTOS-CONTAINING MATERIALS OR OTHER SUSPECTED HAZARDOUS MATERIALS NOT SHOWN TO BE REMOVED IN THE PROJECT SCOPE.
 4. CONTRACTOR SHALL PHOTOGRAPH ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF DEMOLITION OR NEW WORK TO DOCUMENT PRE-CONSTRUCTION CONDITIONS. PROVIDE ARCHITECT AND OWNER WITH ELECTRONIC COPY OF PHOTOGRAPHS.
 5. ITEMS TO SALVAGED AND REMOVED BY THE OWNER PRIOR TO DEMOLITION ARE IDENTIFIED WITHIN THE SPECIFICATIONS.
 6. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS FOR SIZES, QUANTITIES AND LOCATIONS.
 7. PROTECT ALL EXISTING PIPING & INSULATION, CONDUIT/BOXES, WIRING, LIGHTING, DUCTWORK, SPRINKLER PIPING, AND ALL OTHER UTILITIES TO REMAIN IN USE. REMOVE ALL ABANDONED OR DISCONNECTED ITEMS FROM ABOVE CEILINGS.
 8. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS FOR SIZES, QUANTITIES AND LOCATIONS.
 9. PATCH, CLEAN, SCRAPE AND OTHERWISE PREP ALL AFFECTED WALLS, CEILINGS AND FLOORS WHERE ITEMS ARE REMOVED OR WERE REMOVED BY OWNER TO PREPARE AREAS FOR FINAL WORK AND FINISHES AS SPECIFIED. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

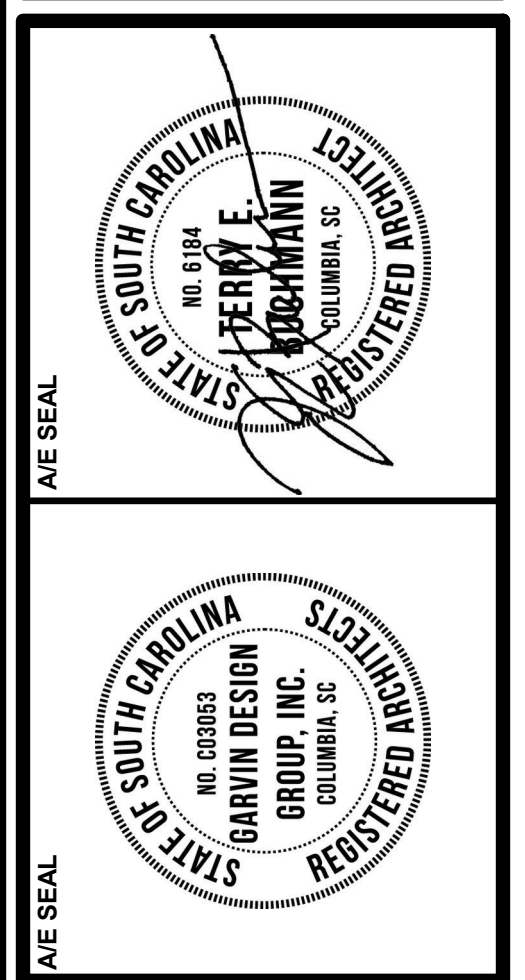
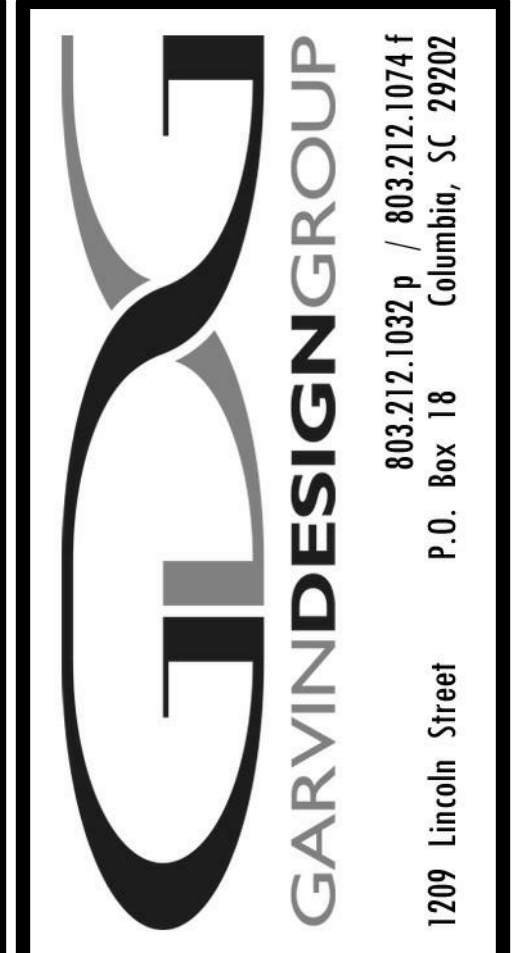
1 DEMOLITION PLAN
A1.1 1/4" = 1'-0"
REFERENCED OR A3.1



- GENERAL NOTES - FLOOR PLAN**
1. SEE T1.1 FOR MINIMUM REQUIRED ADA MANEUVERING CLEARANCES. VERIFY EXACT FE-8 AND FE-C LOCATIONS WITH ARCHITECT.
 2. SEE T1.1 FOR REQUIRED UL ASSEMBLIES OF ALL BUILDING SYSTEMS. ALL PENETRATIONS THROUGH RATED WALL AND FLOOR ASSEMBLIES MUST COMPLY WITH UL DESIGN FOR PENETRATIONS.
 3. DIMENSIONS INDICATED ON THESE DRAWINGS ARE TO FACE OF CMU WALL, FACE OF EXTERIOR VENEER, FACE OF STUD WALL, OR CENTERLINE OF COLUMN UNLESS OTHERWISE INDICATED. COORDINATE ALL DIMENSIONS WITH STRUCTURAL DIMENSION PLANS, ENLARGED PLANS, SECTION AND DETAIL DRAWINGS, AND STRUCTURAL DRAWINGS AND VERIFY EXACT LOCATIONS. COORDINATE ALL FLOOR SLAB PENETRATIONS WITH SYSTEM DRAWINGS (SS, MS, PS, FFS, AND ES) AND ACTUAL PRODUCT TO BE INSTALLED AND VERIFY LOCATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
 4. EXISTING AND MASONRY OPENINGS TO RECEIVE CURTAIN WALL, DOORS, WINDOWS, LOUVERS, OR OTHER ELEMENTS SHALL BE FIELD VERIFIED PRIOR TO MANUFACTURE OF SYSTEM.
 5. INTERIOR METAL STUD OPENINGS TO RECEIVE STOREFRONT DOORS, GRILLES, LOUVERS, OR OTHER ELEMENTS SHALL BE FIELD VERIFIED PRIOR TO MANUFACTURE OF SYSTEM. LOCATION OF ALL RECESSED CABINETS AND EQUIPMENT WALL PENETRATIONS MUST BE VERIFIED PRIOR TO INSTALLATION OF CMU WALLS TO ENSURE INDICATED LOCATION AND EVEN COURSING. ANY CONFLICTS WITH INDICATED DIMENSIONS OR LOCATIONS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
 6. CONTACT OWNER UPON DISCOVERY OF ANY SUSPECTED ASBESTOS-CONTAINING MATERIALS OR OTHER SUSPECTED HAZARDOUS MATERIALS NOT SHOWN TO BE REMOVED WITHIN THE PROJECT SCOPE.
 7. PATCH, CLEAN, SCRAPE AND OTHERWISE PREP ALL AFFECTED WALLS, CEILINGS AND FLOORS WHERE ITEMS ARE REMOVED OR WERE REMOVED BY OWNER TO PREPARE AREAS FOR FINAL WORK AND FINISHES AS SPECIFIED. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

- LEGEND - FLOOR PLAN**
- FE-B FIRE EXTINGUISHER, BRACKET MOUNTED. SEE SPECS.

2 FLOOR PLAN
A1.1 1/4" = 1'-0"
REFERENCED OR A3.1



PROJECT TITLE
RE-BID: COLISEUM LAUNDRY ROOM FOR BASKETBALL

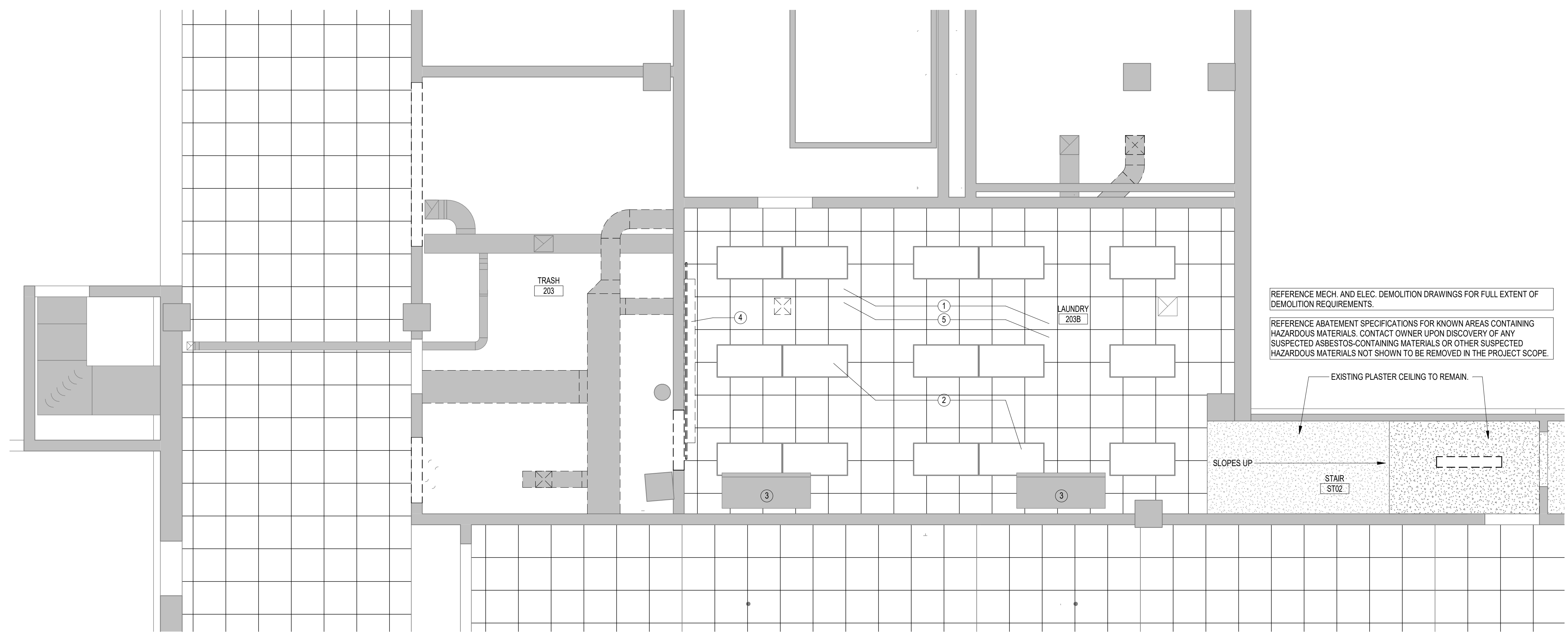
FP00000296
Carolina Coliseum
701 Assembly St
Columbia, SC 29208

NO.	REVISIONS	NAME	DATE

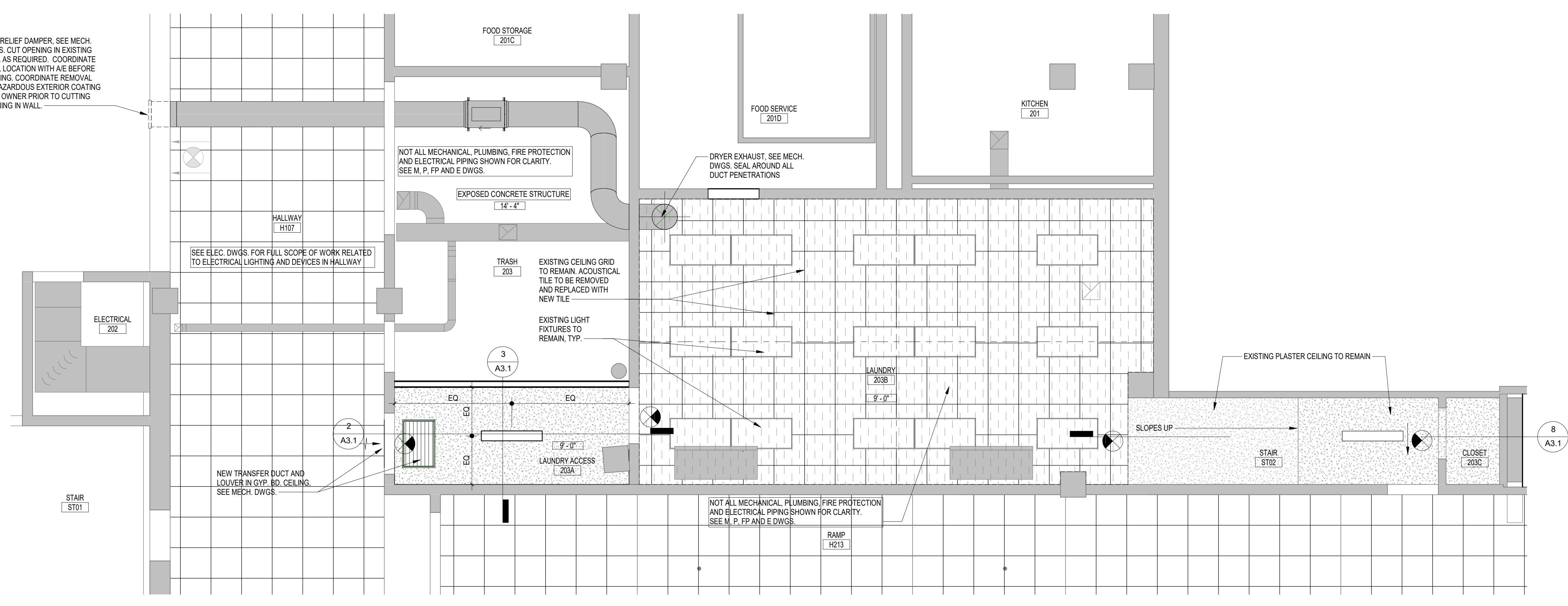
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DRAWING TITLE
GROUND FLOOR AND DEMOLITION PLANS

PROJECT NO. U501.18
DATE 01.28.20
DRAWING NO. A1.1



2 DEMOLITION REFLECTED CEILING PLAN
 A2.1 1/4" = 1'-0" REFERENCED ON A3.1



1 REFLECTED CEILING PLAN
 A2.1 1/4" = 1'-0" REFERENCED ON A3.1

GENERAL NOTES - DEMO RCP

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF DEMOLITION AND NEW WORK. EXISTING BUILDING INFORMATION SHOWN IS BASED ON THE EXISTING DRAWINGS PROVIDED BY THE OWNER AND SELECTIVE FIELD MEASUREMENTS. GENERAL CONTRACTOR AND SUB-CONTRACTORS ARE TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID AND PRIOR TO CONSTRUCTION.
2. WHERE APPLICABLE, REFERENCE ABATEMENT SPECIFICATIONS FOR KNOWN AREAS CONTAINING HAZARDOUS MATERIALS. CONTACT OWNER UPON DISCOVERY OF ANY SUSPECTED ASBESTOS-CONTAINING MATERIALS OR OTHER SUSPECTED HAZARDOUS MATERIALS NOT SHOWN TO BE REMOVED IN THE PROJECT SCOPE.
3. CONTRACTOR SHALL PHOTOGRAPH ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF DEMOLITION OR NEW WORK TO DOCUMENT PRE-CONSTRUCTION CONDITIONS. PROVIDE ARCHITECT AND OWNER WITH ELECTRONIC COPY OF PHOTOGRAPHS.
4. ITEMS TO SALVAGED AND REMOVED BY THE OWNER PRIOR TO COMMENCEMENT ARE IDENTIFIED WITHIN THE SPECIFICATIONS.
5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS FOR SIZES, QUANTITIES AND LOCATIONS.
6. PROTECT ALL EXISTING PIPING & INSULATION, CONDUIT/BOXES, WIRING, LIGHTING, DUCTWORK, SPRINKLER PIPING, AND ALL OTHER UTILITIES TO REMAIN IN USE. REMOVE ALL ABANDONED OR DISCONNECTED ITEMS FROM ABOVE CEILINGS.
7. ALL FURNITURE, FIXTURES AND LOOSE ITEMS TO BE REMOVED BY OWNER BEFORE COMMENCEMENT OF WORK.
8. PATCH WALLS, CEILINGS AND FLOORS WHERE ITEMS ARE REMOVED OR WERE REMOVED BY OWNER TO PREPARE AREAS FOR FINAL WORK AND FINISHES AS SPECIFIED.
9. SEE MECHANICAL, PLUMBING AND ELECTRICAL DEMOLITION PLANS AND NOTES FOR DEMOLITION OF LIGHTS, DEVICES, DUCTWORK PIPING, ETC. ABOVE CEILINGS. PREPARE ALL AREAS FOR NEW CEILINGS AND UTILITIES INCLUDING RAISING AND/OR REMOVAL OF CONDUIT, PIPING, DUCTWORK, ETC. NECESSARY TO ACHIEVE NOTED CEILING HEIGHTS. CONSULT WITH ARCHITECT SHOULD ANY UTILITY CONFLICTS ARISE.

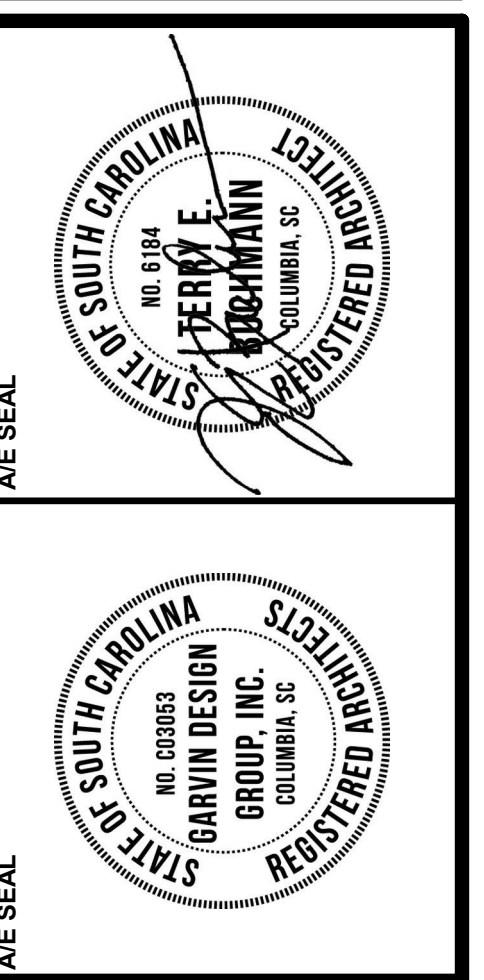
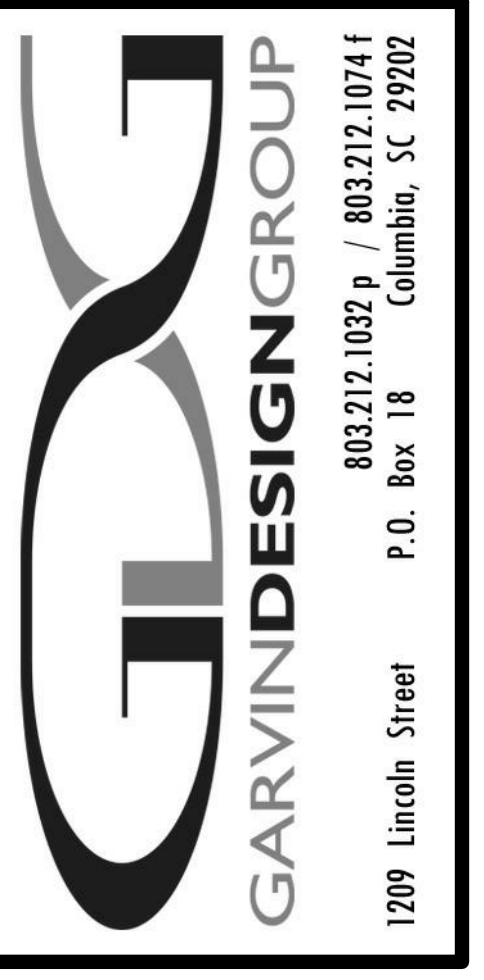
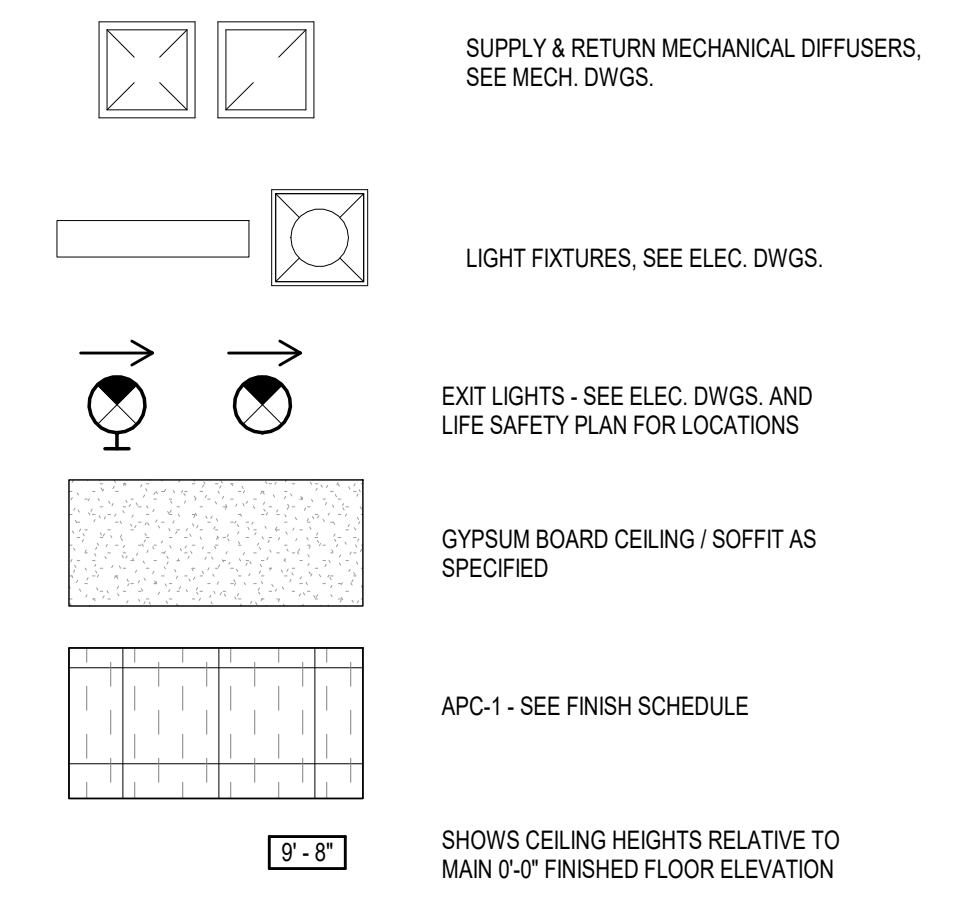
KEYNOTES - DEMO RCP

1. EXISTING CEILING GRID TO REMAIN. DEMOLISH AND DISPOSE OF ALL EXISTING ACOUSTICAL CEILING TILE. CONTRACTOR TO REMOVE GRID AS REQUIRED FOR NEW SPRINKLER AND EXHAUST DUCT INSTALLATION. GRID TO BE REPAIRED AND/OR REPLACED TO EXISTING CONFIGURATION WITH NEW ACOUSTICAL TILE TO BE INSTALLED IN EXISTING GRID AT COMPLETION OF WORK.
2. EXISTING LIGHT FIXTURES TO REMAIN
3. EXISTING HVAC UNITS AND DUCTWORK TO REMAIN
4. DEMO EXISTING PROJECTION SCREEN AND HOUSING
5. ALL CEILING MOUNTED DEVICES INCLUDING HVAC GRILLES, FIRE ALARM AND SMOKE DETECTION DEVICES, ETC. TO REMAIN. IF TEMPORARILY REMOVED FOR ACOUSTICAL CEILING TILE REPLACEMENT, SPRINKLER OR EXHAUST DUCT INSTALLATION, RE-INSTALL ALL GRILLES AND DEVICES IN SAME LOCATION WHEN NEW CEILING TILE IS INSTALLED.

GENERAL NOTES - REFLECTED CEILING PLAN

1. REFER TO ELECTRICAL DRAWINGS FOR QUANTITY AND SPECIFIC FIXTURE DESIGNATIONS, AND FOR ELECTRICAL CEILING AND WALL MOUNTED DEVICES.
2. ALL SUSPENDED ACOUSTICAL GRIDS ARE TO BE LOCATED AS SHOWN, UNLESS NOTED OTHERWISE. REFERENCE NOTES FOR GRID START POINTS AND FULL TILE LOCATIONS. REVIEW ALL GRID LAYOUTS WITH ARCHITECT PRIOR TO INSTALLATION TO ASSURE NO "SLIVERS" OF TILE, OVERLAPPING WALL MOLDS, OR OUT-OF-SQUARE CONDITIONS OCCUR. GRIDS NOT COMPLYING WITH THIS PROCESS OR THESE STIPULATIONS WILL BE REMOVED AND RE-INSTALLED AT CONTRACTOR'S EXPENSE.
3. CEILING MOUNTED EQUIPMENT, DEVICES, FIXTURES & GRILLES MUST BE COORDINATED ON REFLECTED CEILING PLANS. CEILING MOUNTED SPRINKLERS TO BE LOCATED IN CENTER OF CEILING TILE IN APC CEILINGS AND ALIGNED WITH DOWNLIGHTS IN GIBB CEILINGS/SOFFITS.
4. SEE FP DRAWINGS FOR FIRE PROTECTION SYSTEM LAYOUT. COORDINATE ROUTING OF PIPING W/ ARCHITECTURAL DWGS AND DETAILS AS WELL AS ALL OTHER SYSTEM DRAWINGS (S, M, P, & E'S). SUBMIT LAYOUT/COORDINATION DRAWING FOR REVIEW & APPROVAL PRIOR TO INSTALLATION.
5. PAINT EXPOSED STRUCTURE/CEILING AREA AND UTILITIES ONLY AS NOTED ON FINISH SCHEDULES AND INTERIOR ELEVATIONS.
6. ACCESS PANELS BY GENERAL CONTRACTOR. QUANTITY OF ACCESS PANELS SHOWN ON ARCHITECTURAL DRAWINGS NOT INTENDED TO BE ALL INCLUSIVE. SEE MECHANICAL DRAWINGS, PLUMBING DRAWINGS, ELECTRICAL DRAWINGS, AND FIRE PROTECTION SHOP DRAWINGS FOR ADDITIONAL ACCESS PANELS. NOT SHOWN. COORDINATE EXACT LOCATION OF ACCESS PANELS NOT SHOWN WITH ARCHITECT. BRING ALL MECHANICAL, PLUMBING AND ELECTRICAL ITEMS WHICH NEED ACCESS TO THE ACCESS PANEL LOCATIONS SHOWN. BRING THE NEED FOR ADDITIONAL ACCESS PANELS TO THE ARCHITECT'S ATTENTION BEFORE PROCEEDING.

LEGEND - REFLECTED CEILING PLAN



PROJECT TITLE
RE-BID: COLISEUM LAUNDRY ROOM FOR BASKETBALL
FP00000296
 Carolina Coliseum
 701 Assembly St
 Columbia, SC 29208

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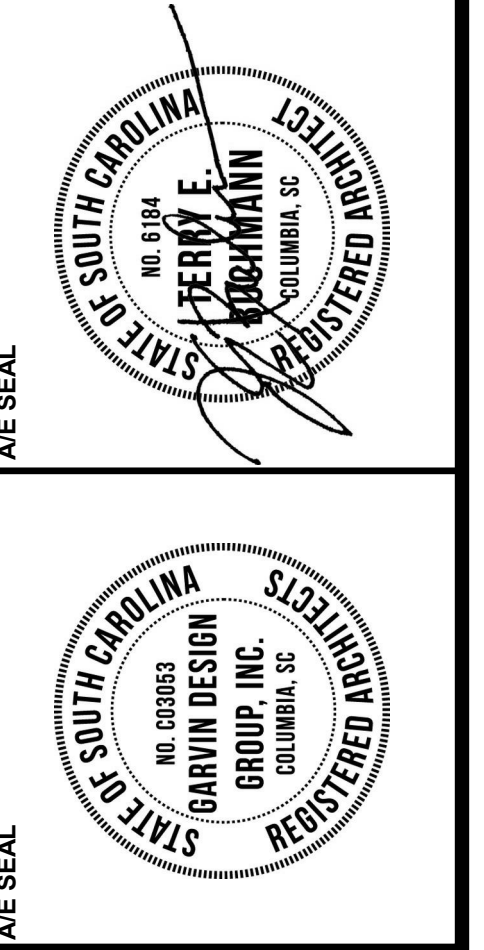
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THESE DRAWINGS HAVE BEEN REVIEWED FOR CONFORMANCE WITH THE PROFESSIONAL CODE OF ETHICS AND THE STATE BOARD OF PROFESSIONAL ENGINEERS AND ARCHITECTS. ANY VIOLATIONS WILL BE REPORTED TO THE BOARD.

DRAWING TITLE
GROUND FLOOR REFLECTED CEILING PLAN AND CEILING DEMOLITION PLAN

PROJECT NO.	US0118	DRAWING NO.	A2.1
DATE	01.28.20		

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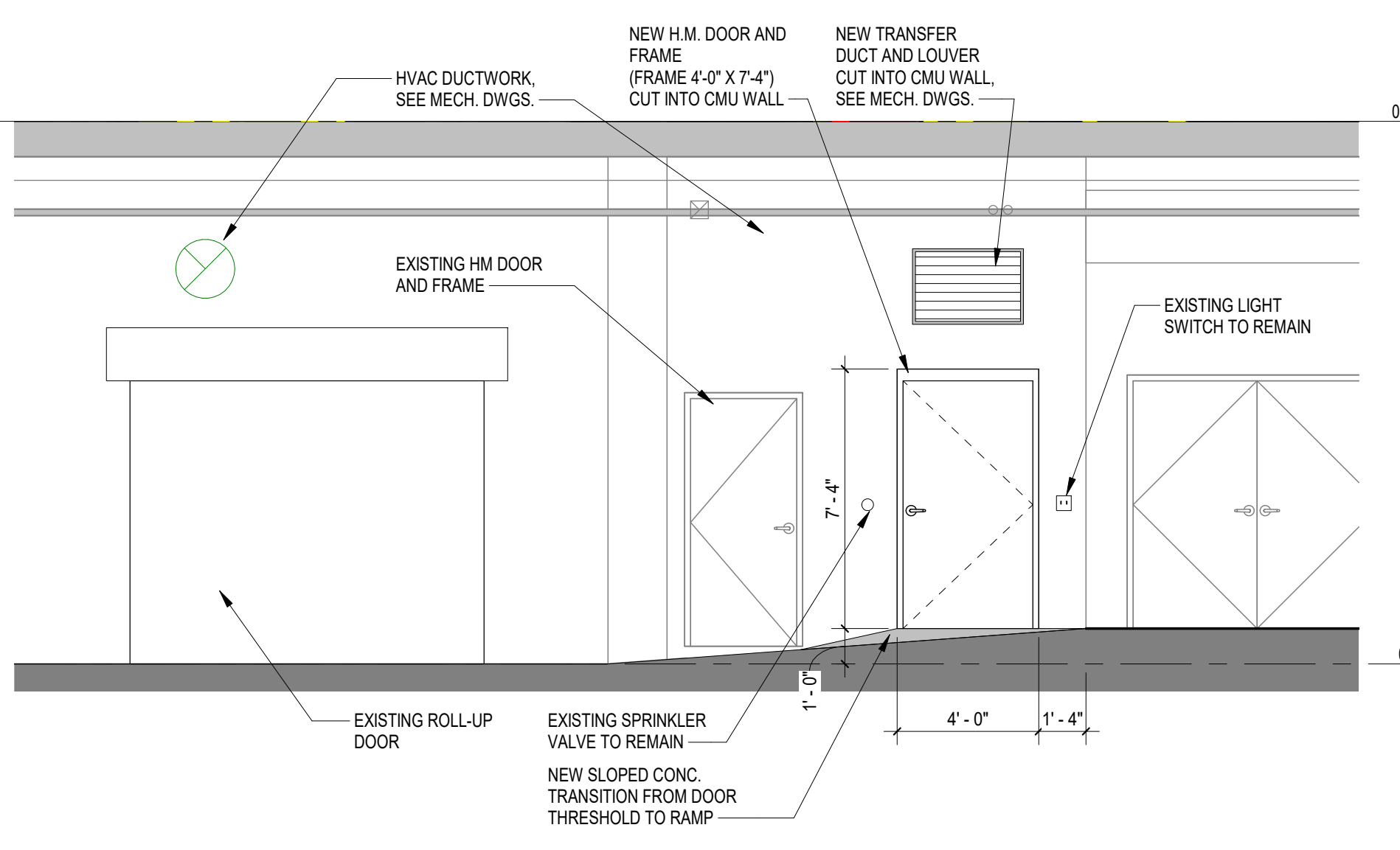
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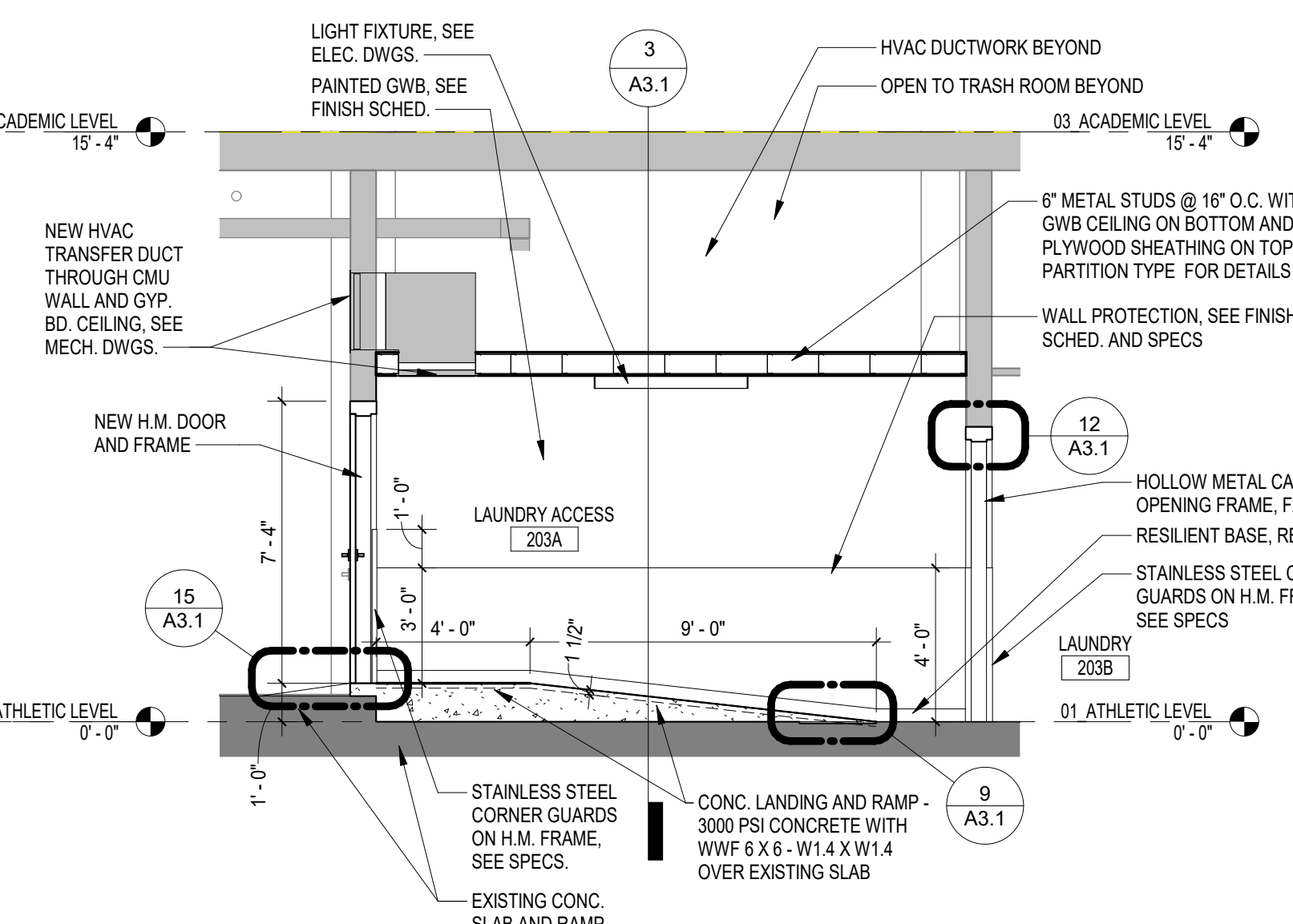
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AUTHZ: _____

ELEVATIONS, SECTIONS, PARTITION TYPES, DOOR SCHEDULE AND DETAILS

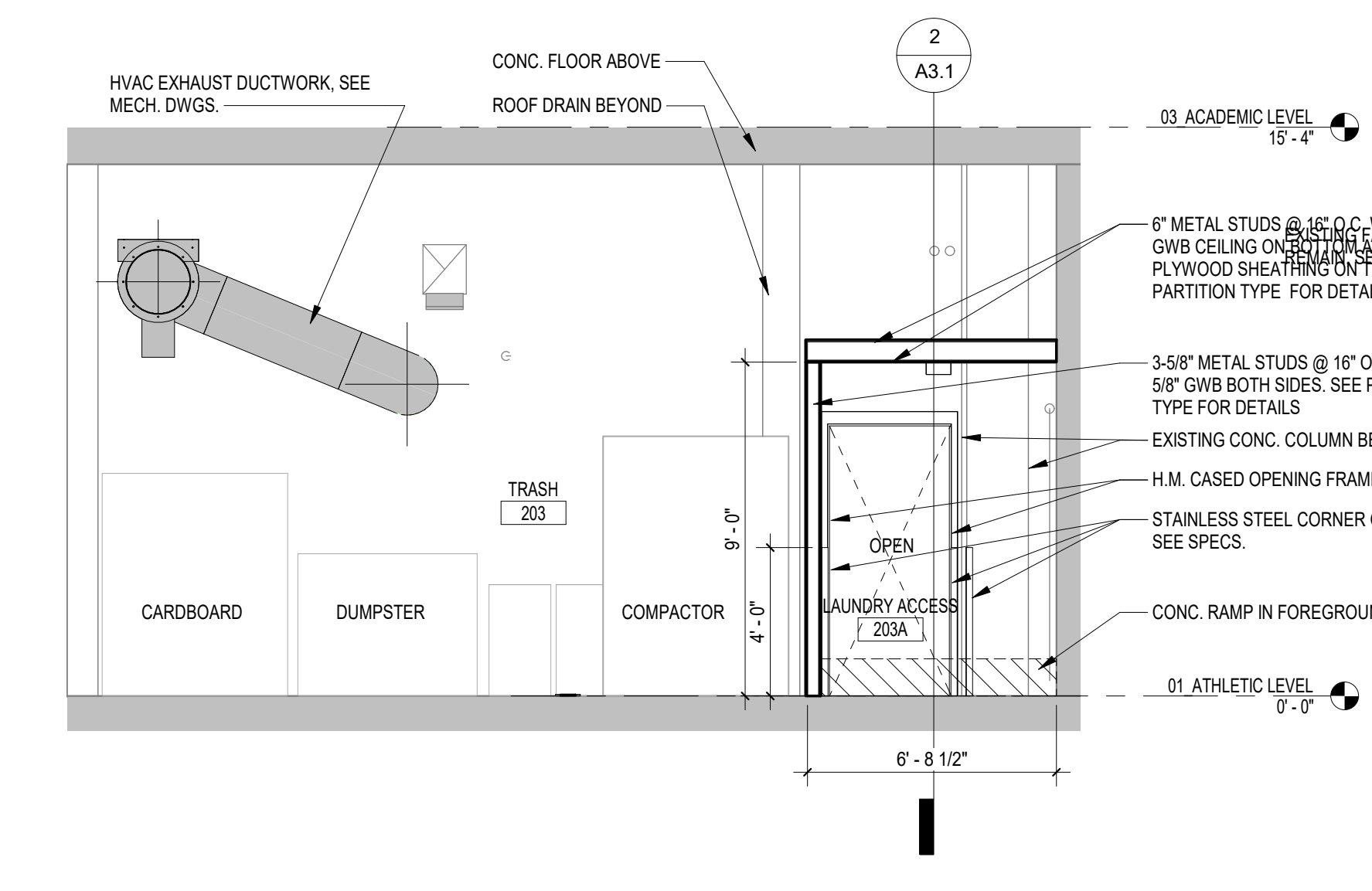
PROJECT NO. 150118
DATE 01.28.20
DRAWING NO. A3.1



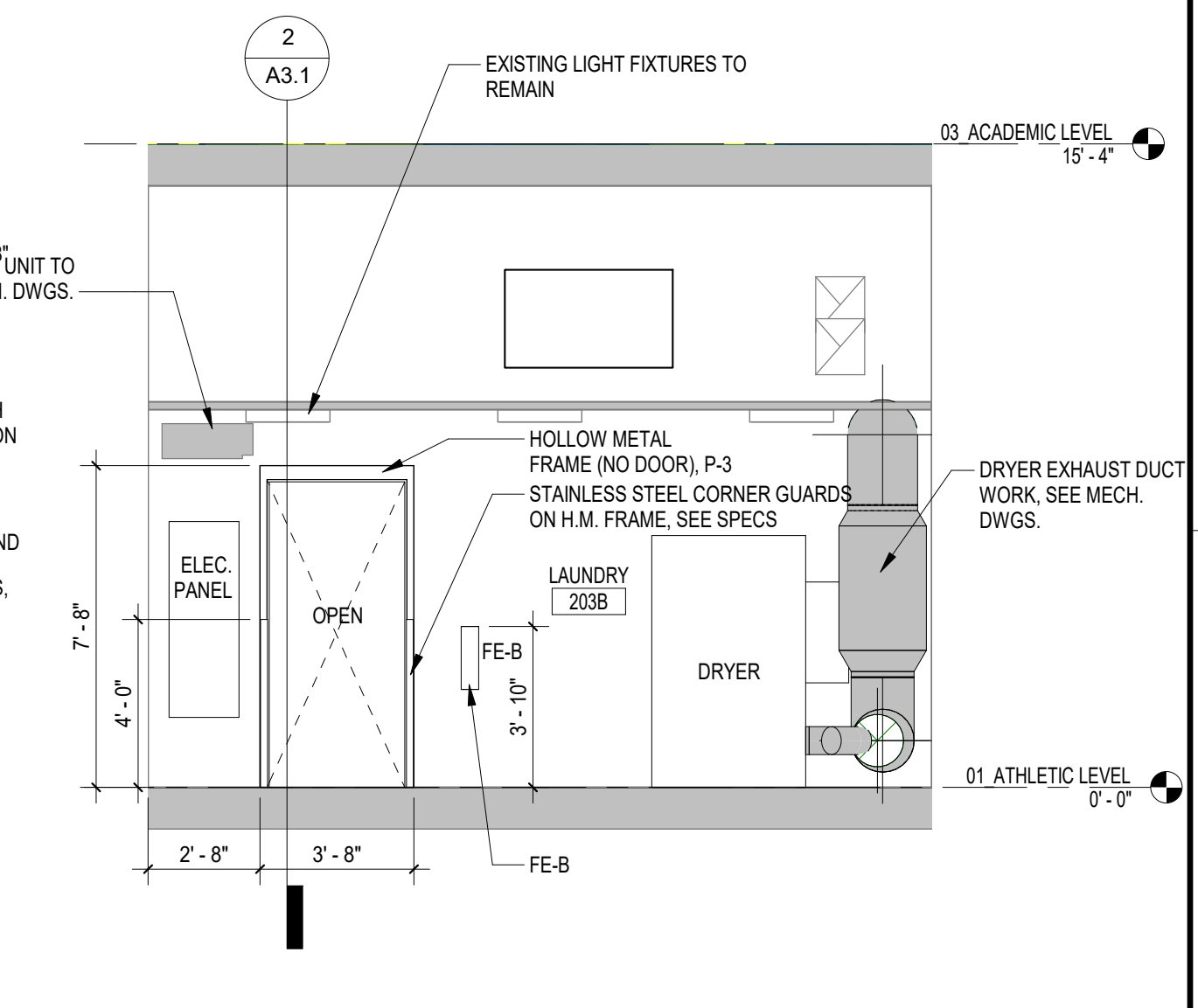
1 HALLWAY ELEVATION - EAST
 A3.1 1/4" = 1'-0"
 REFERENCED A1.1
 OR



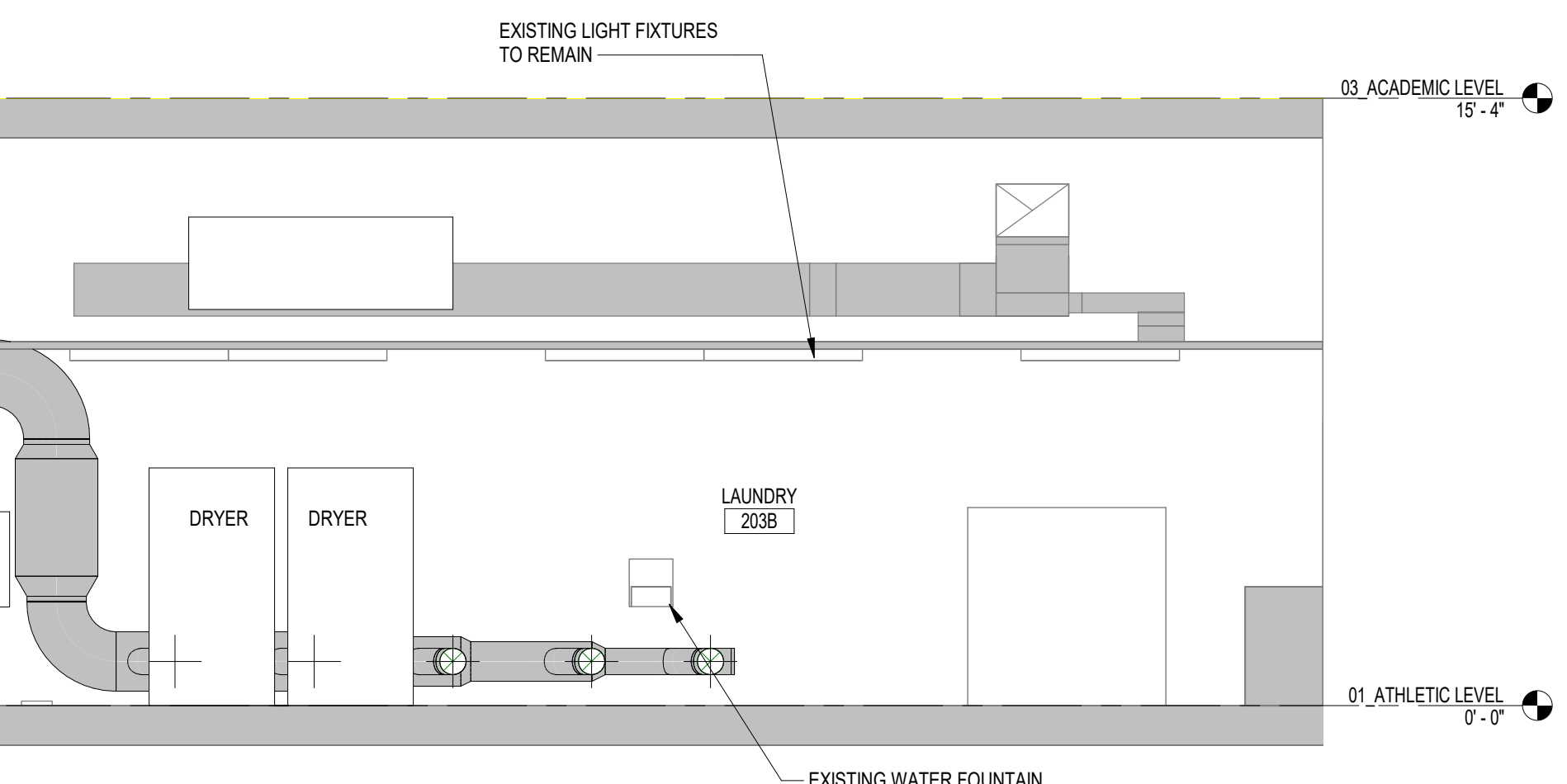
2 SECTION AT LAUNDRY ACCESS - E/W
 A3.1 1/4" = 1'-0"
 REFERENCED A1.1
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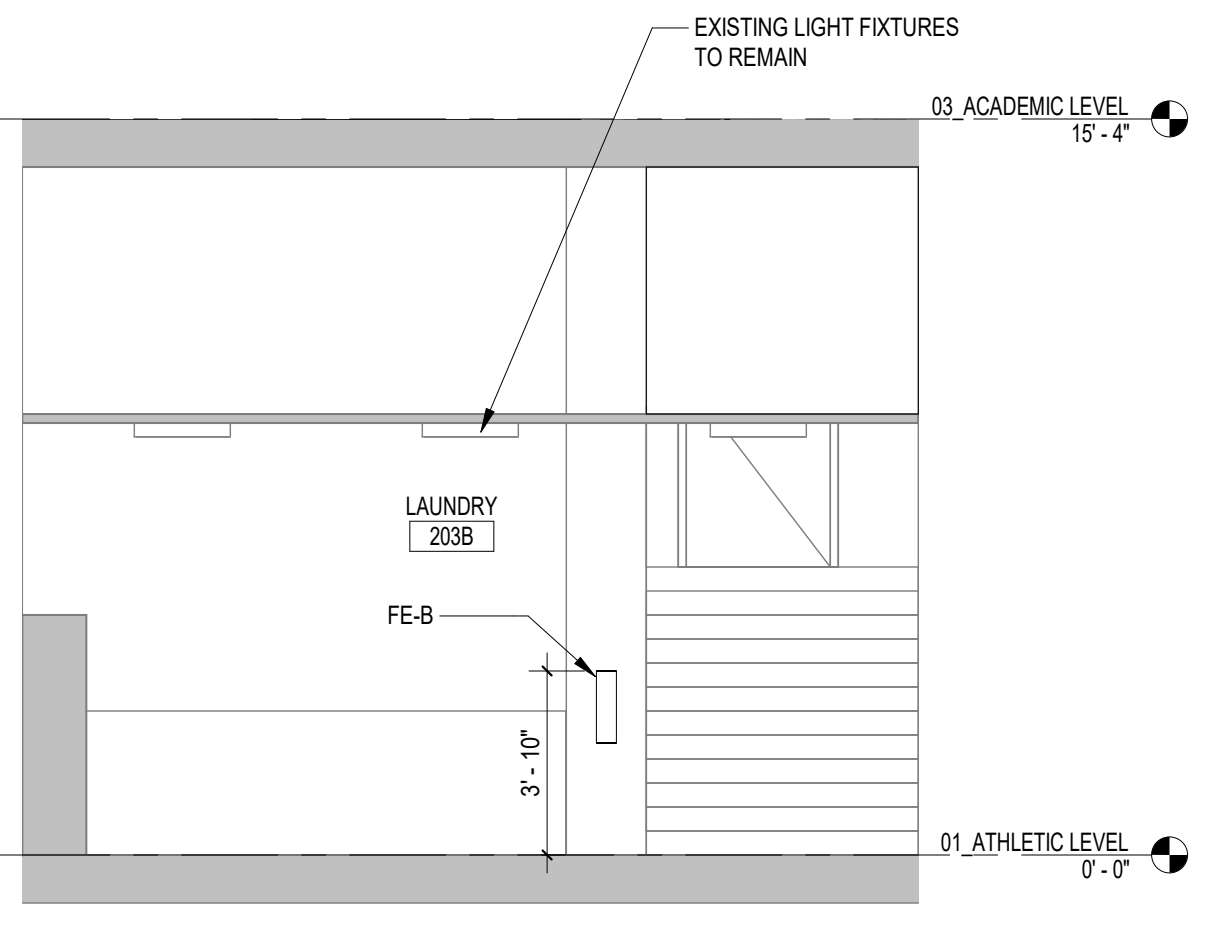
3 SECTION AT TRASH AND LAUNDRY ACCESS - N/S
 A3.1 1/4" = 1'-0"
 REFERENCED A1.1
 OR



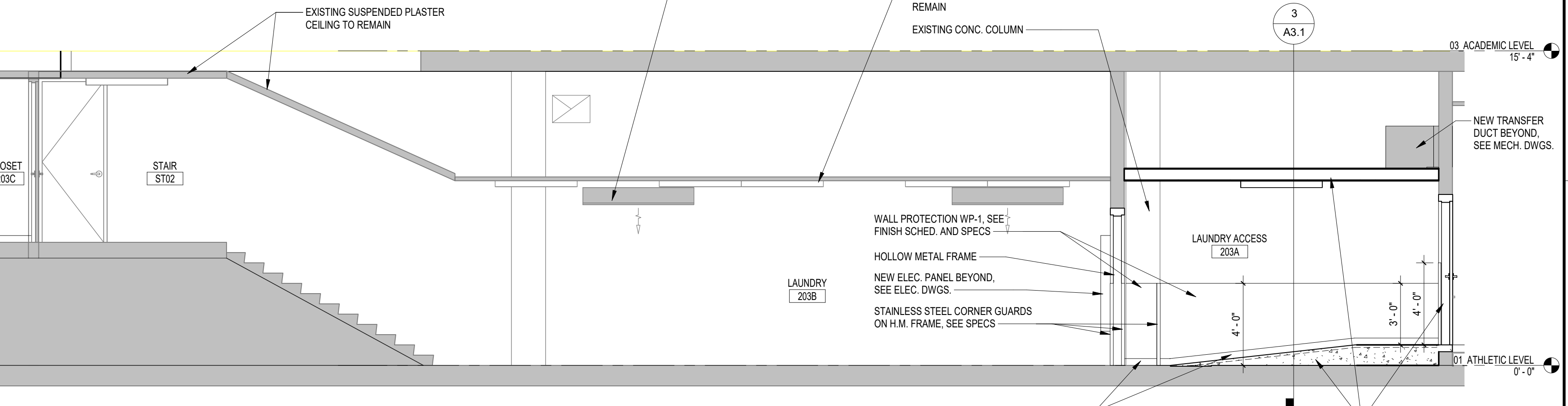
4 WEST ELEVATION - LAUNDRY
 A3.1 1/4" = 1'-0"
 REFERENCED A1.1
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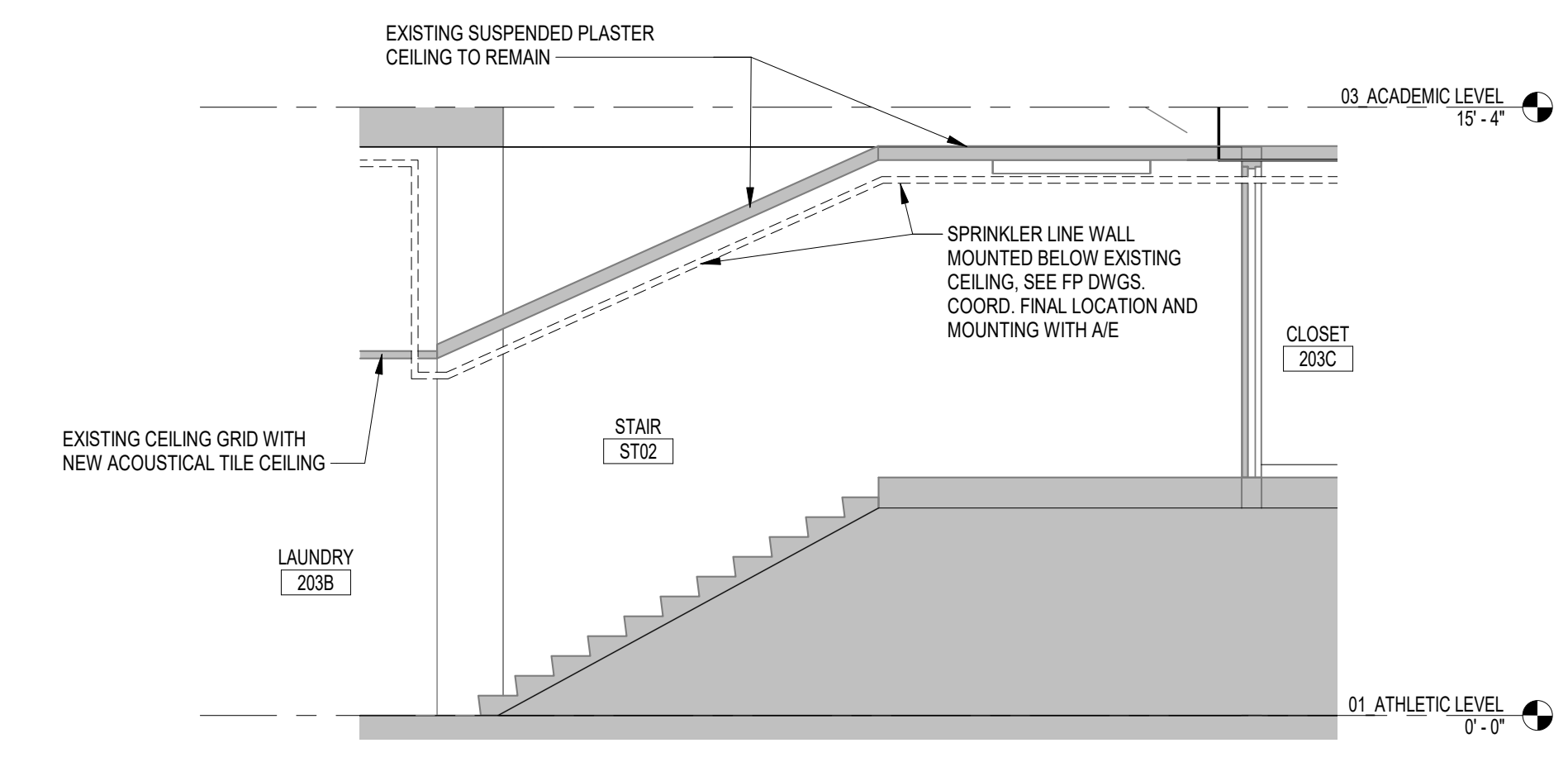
5 NORTH ELEVATION - LAUNDRY
 A3.1 1/4" = 1'-0"
 REFERENCED A1.1
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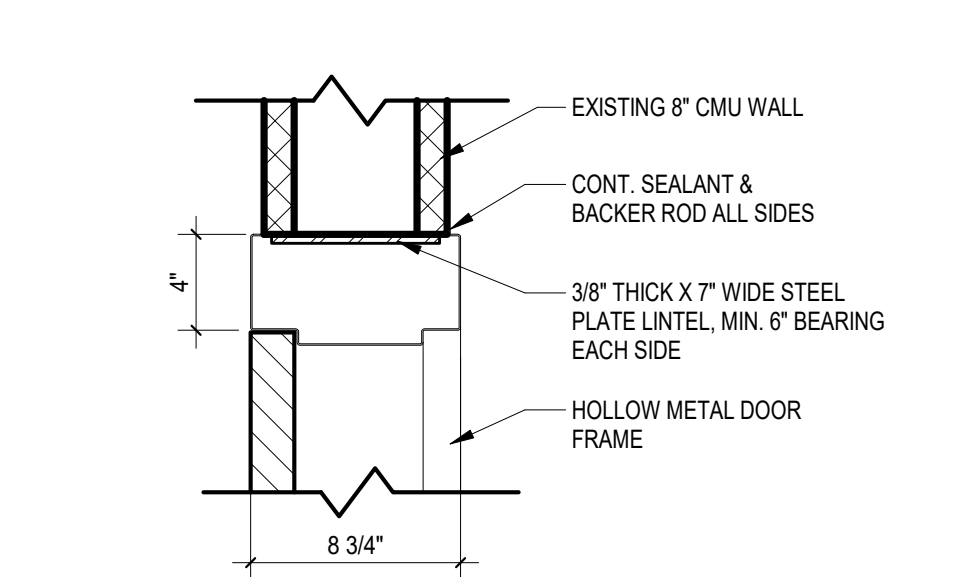
6 EAST ELEVATION - LAUNDRY
 A3.1 1/4" = 1'-0"
 REFERENCED A1.1
 OR



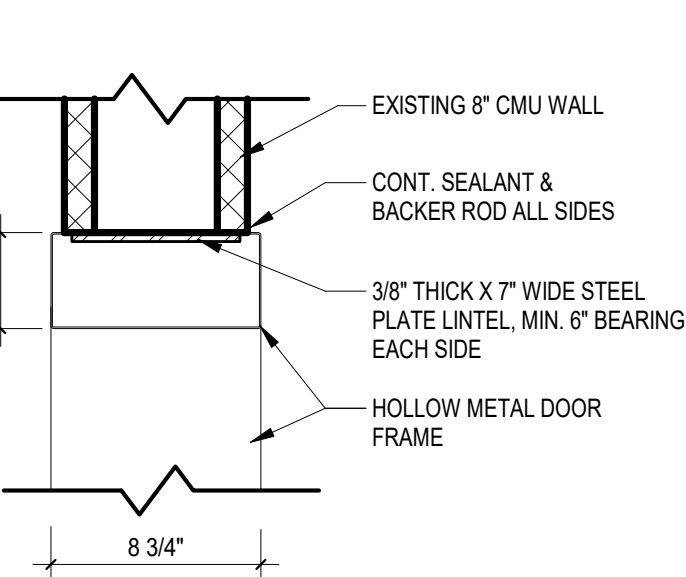
7 SOUTH ELEVATION - LAUNDRY
 A3.1 1/4" = 1'-0"
 REFERENCED A1.1
 OR



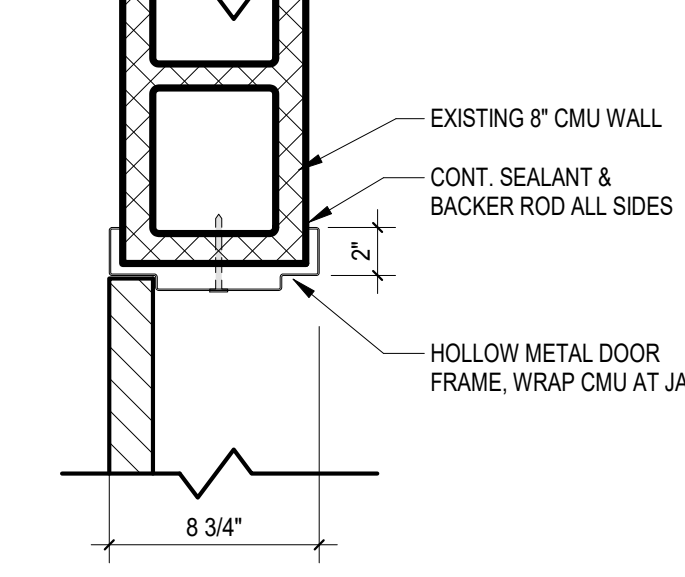
8 SECTION AT STAIR
 A3.1 1/4" = 1'-0"
 REFERENCED A1.1
 OR



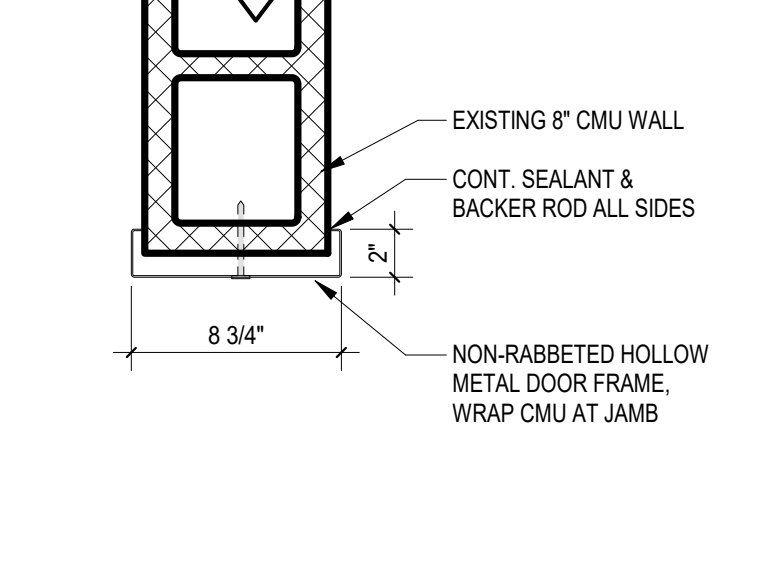
11 HEAD DETAIL 1
 A3.1 1 1/2" = 1'-0"
 REFERENCED OR



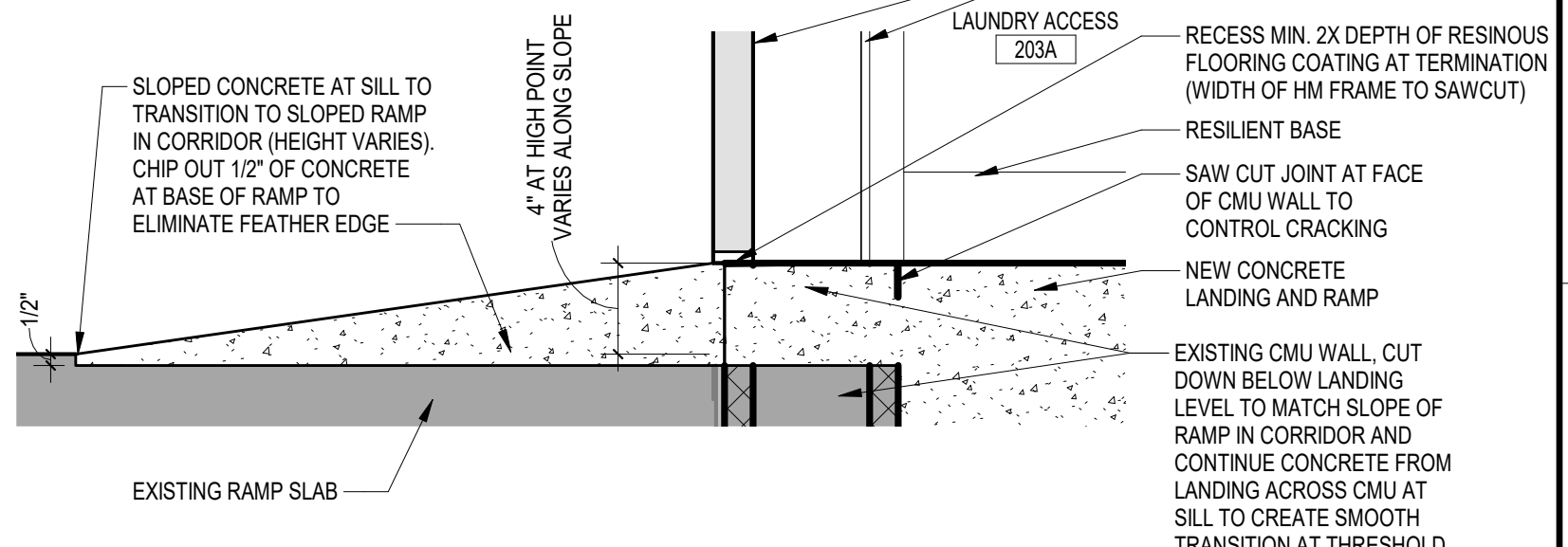
12 HEAD DETAIL 2
 A3.1 1 1/2" = 1'-0"
 REFERENCED A3.1



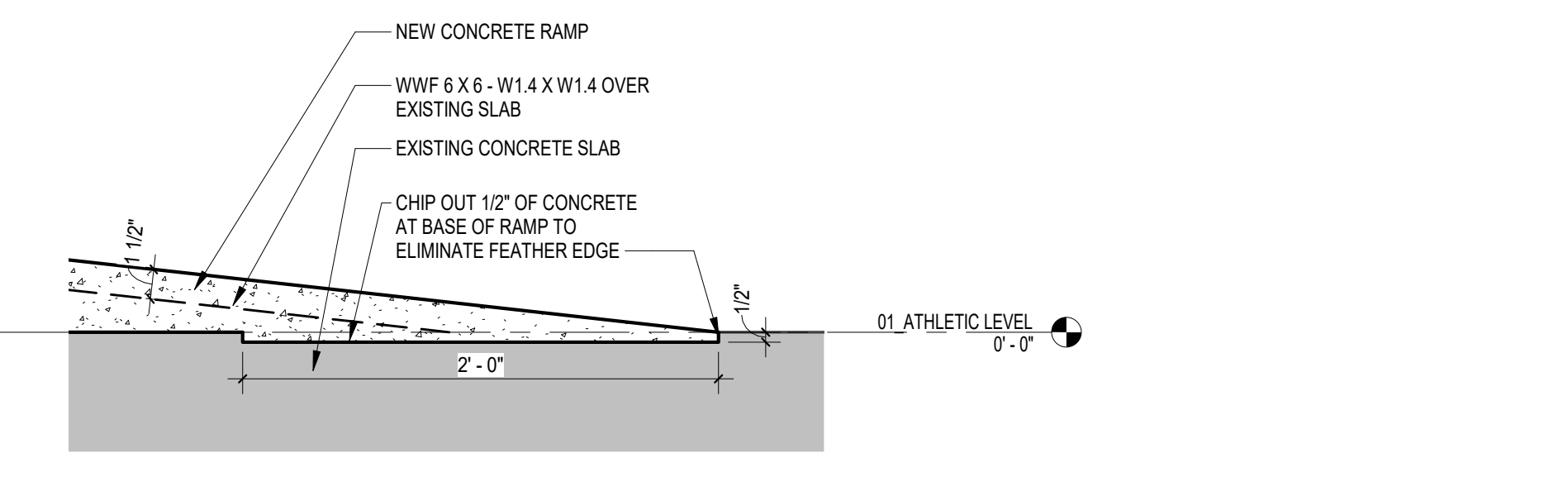
13 JAMB DETAIL 1
 A3.1 1 1/2" = 1'-0"
 REFERENCED OR



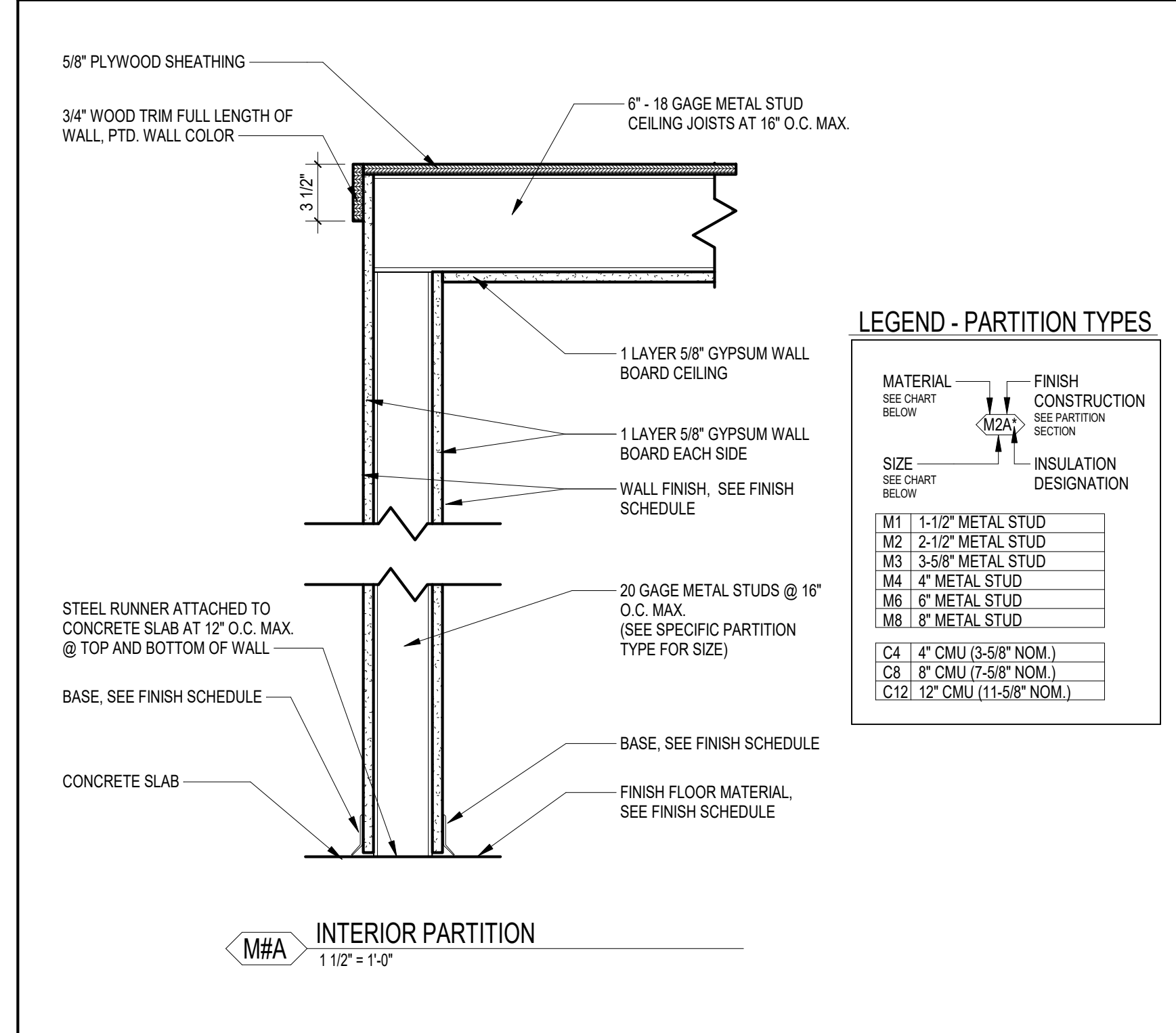
14 JAMB DETAIL 2
 A3.1 1 1/2" = 1'-0"
 REFERENCED A1.1



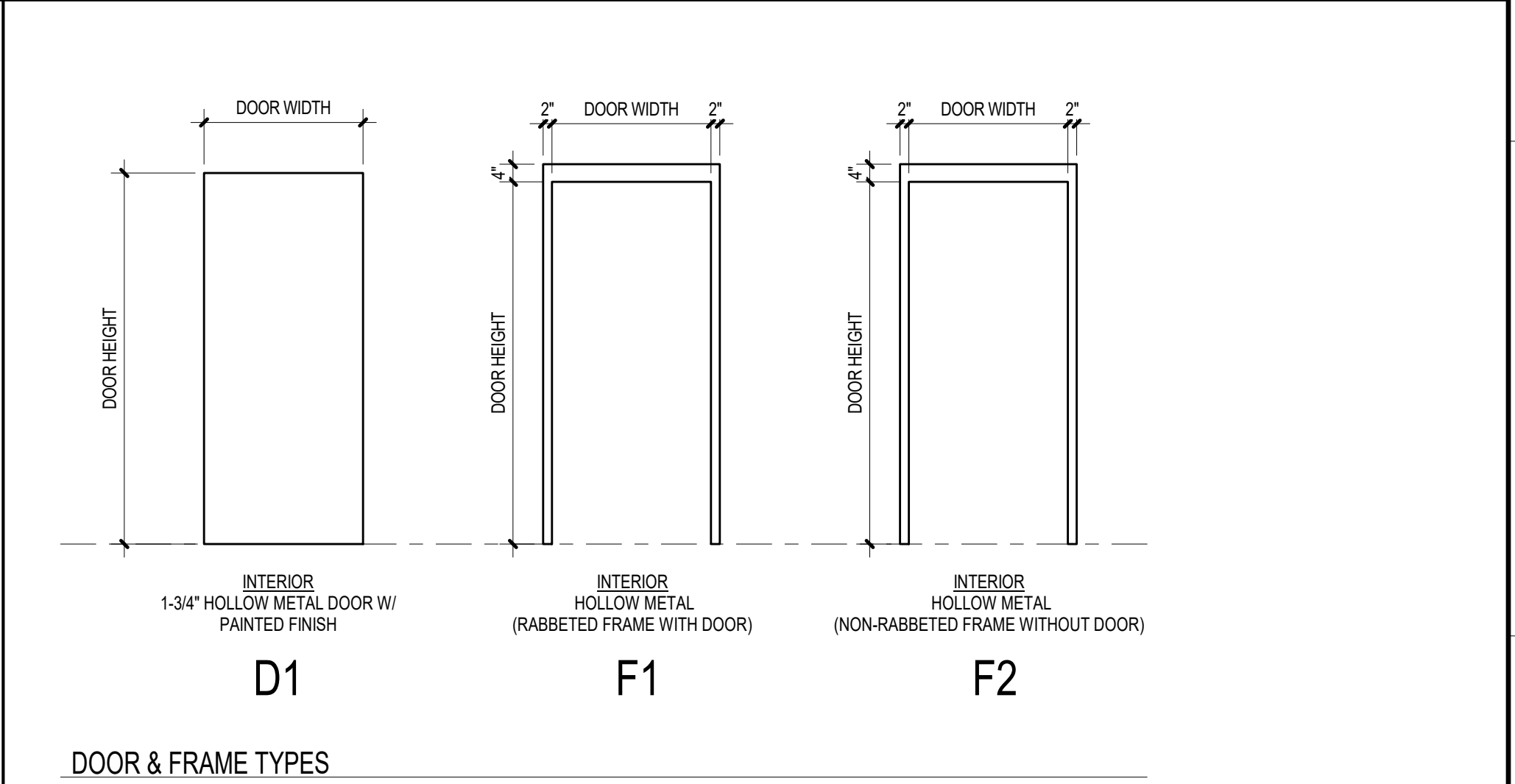
15 SILL DETAIL 1
 A3.1 1 1/2" = 1'-0"
 REFERENCED A3.1



9 DETAIL AT BASE OF RAMP
 A3.1 1 1/2" = 1'-0"
 REFERENCED A3.1
 OR

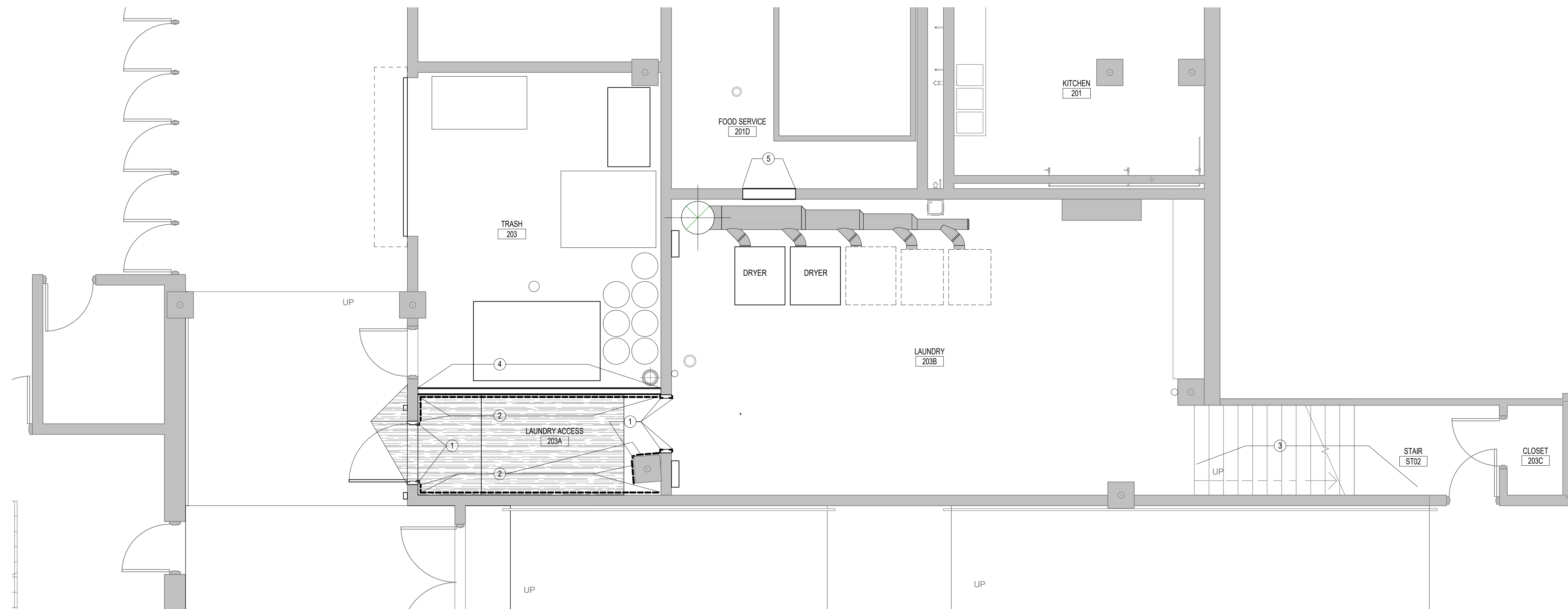


16 INTERIOR PARTITION
 1 1/2" = 1'-0"



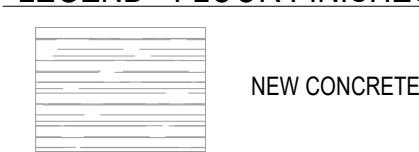
DOOR SCHEDULE

Mark	DOOR		DOOR TYPE	FRAME TYPE	HEAD	JAMB	SILL	RATING	REMARKS
	WIDTH	HEIGHT							
01, ATHLETIC LEVEL									
203AA	3' - 8"	7' - 0"	D1	F1	11/A3.1	13/A3.1	15/A3.1	N/A	
203AB	3' - 4"	7' - 4"	--	F2	12/A3.1	14/A3.1	--	N/A	NO DOOR
01, ATHLETIC LEVEL: 2									



1 FINISH PLAN
A4.1 1/4" = 1'-0" REFERENCED AS 1 ON

LEGEND - FLOOR FINISHES



SCHEDULED INTERIOR FINISHES

ABBREVIATION	DESCRIPTION	BASIS OF DESIGN	REFERENCE SPEC. SECTION
BASE			
RB	4" RUBBER COVE	JOHNSONITE RECESS WALL BASE, COLOR: #83 BURN'T UMBER	096513
EX	EXISTING BASE		
FLOOR			
CONC	CONCRETE	BROOM FINISH, SEE SPECS.	
EX	EXISTING		
WALLS			
P-1	PAINT-GENERAL WALL COLOR	SEMI-GLOSS, TO MATCH SW7632 MODERN GRAY	099123
P-2	PAINT-CEILINGS, "WHITE TONE, FLAT	FLAT-TO MATCH SW # 7005 PURE WHITE	099123
P-3	PAINT-FRM FRAMES, "MED TONE, SEMI-GLOSS	SEMI-GLOSS-TAUPE TO MATCH EXISTING ADJACENT FRAMES, SW#7507 STONE LION OR EQ.	099123
P-4	NOT USED		
P-5	PAINT-DOORS ACCENT-DARK GREY	SEMI-GLOSS TO MATCH DARK GREY EXISTING DOORS-SW #7088 GRIZZLE GRAY OR EQ.	099123
WP	WALL PROTECTION	WALL PROTECTION PANEL, 4'-0" WIDTH X 8 OR 10' LENGTHS, COLOR: CHARCOAL-SEE SPEC.	102650
CEILINGS			
GB/P*	GYPSUM WALL BOARD - PAINTED	SEE COLOR DESIGNATIONS ABOVE	092900
APC-1	ACOUSTICAL PANEL CEILING TILE	ARMSTRONG - GEORGIAN #764, WHITE, LAY-IN	095113
MISC.			
CG	CORNER GUARD, STAINLESS STEEL	4" H X 2" RETURN, STAINLESS STEEL CORNER GUARDS, SEE FINISH PLAN FOR LOCATION	102650

ROOM FINISH SCHEDULE (FINISH ORIENTATION IS PLAN NORTH)

Number	Name	Base Finish	Floor Finish	Orientation				Ceiling Finish
				NORTH	EAST	SOUTH	WEST	
201	KITCHEN	EX	EX	EX	EX	EX	EX	EX
203	TRASH	RB	EX	EX	EX	P-1	EX	EX
203A	LAUNDRY ACCESS	RB	CONC	WP,P-1	P-1	WP,P-1	WP,P-1	GB/P-2
203B	LAUNDRY	EX	EX	EX	EX	EX	EX	EX
203C	CLOSET	EX	EX	EX	EX	EX	EX	EX
ST02	STAIR	EX	EX	EX	EX	EX	EX	EX

GENERAL NOTES - INTERIOR FINISHES

- A. WHERE SPECIFIC PRODUCTS ARE INDICATED, ITEM DESIGNATION INCORPORATES QUALITY AND AESTHETIC APPEARANCE FOR BASIS OF DESIGN. SEE SPECIFICATIONS FOR EQUAL MANUFACTURER'S PER PRODUCT TYPE INDICATED. DEPENDING ON LOCATION OF ITEM, ALTERNATES SHALL MATCH IN COLOR, TEXTURE, AS WELL AS PERFORMANCE CRITERIA, PER ARCHITECT'S APPROVAL.
- B. ALL PAINT COLOR SELECTIONS SHALL BE FIELD VERIFIED WITH ARCHITECT IN LIGHTED CONDITIONS PRIOR TO FINAL INSTALLATION. SEE SPEC. RE: MOCK-UPS.
- C. REFERENCE REFLECTED CEILING PLANS FOR EXTENT/LOCATION OF CEILING FINISH DESIGNATIONS AND HEIGHTS.
- D. SEE FINISH PLANS AND/OR ENLARGED INTERIOR PLANS & ELEVATIONS FOR EXTENT OF SPECIFIC FINISH DESIGNATIONS.
- E. FINISH COLUMNS IN OPEN AREAS TO MATCH ADJACENT WALLS, UNLESS NOTED OTHERWISE.
- F. SEE SPECS FOR FLOOR AND WALL PREP FOR ALL NEW FINISHES.

KEYNOTES - FINISHES

- 1 CORNER GUARD LOCATION, SEE SPECS.
- 2 EXTENT OF WALL PROTECTION (WP) INSTALLED FROM LAUNDRY LEVEL FINISH FLOOR TO 4'-0" A.F.F., SEE ELEV. 7/A3.1
- 3 EXISTING CARPET TO REMAIN ON STAIRS AND UPPER LANDING.
- 4 RESILIENT BASE @ NEW WALL
- 5 PAINT FOOD SERVICE SIDE OF NEW CMU INFILL TO MATCH EXISTING PAINT COLOR AND INFILL BASE TO MATCH EXISTING.



PROJECT TITLE
RE-BID: COLISEUM LAUNDRY ROOM FOR BASKETBALL
FP00000296
Carolina Coliseum
701 Assembly St
Columbia, SC 29208

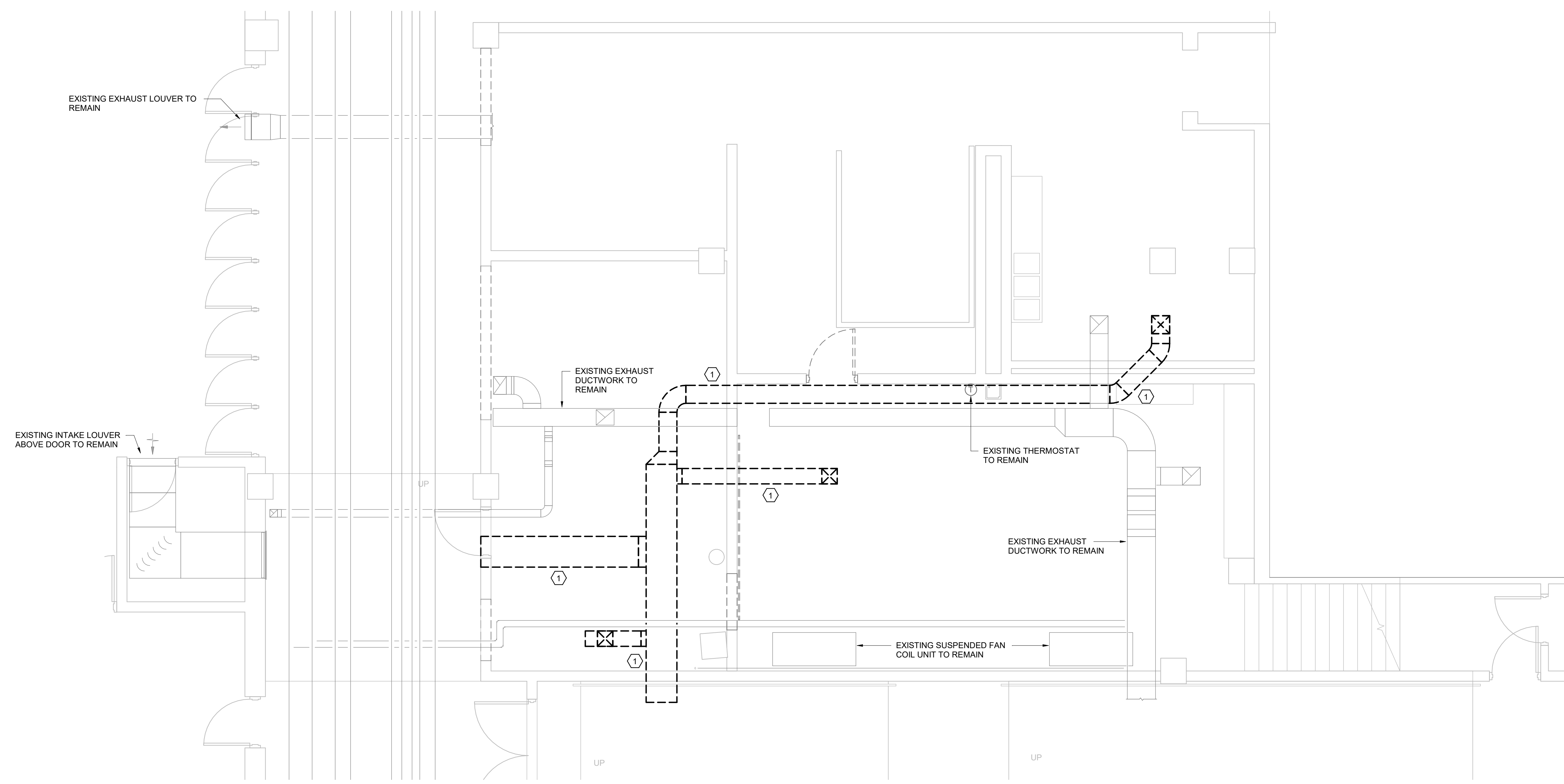
NO.	REVISIONS	NAME	DATE

DRAWN BY: AUTHZ
CHECKED BY: CHECKED
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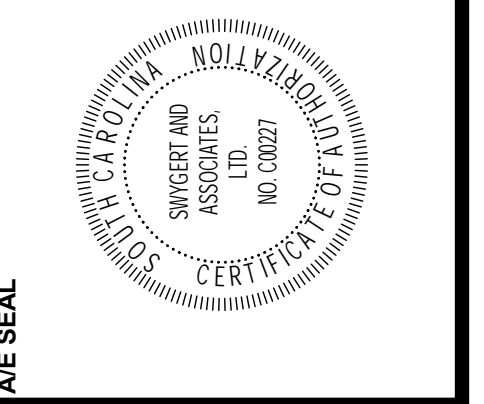
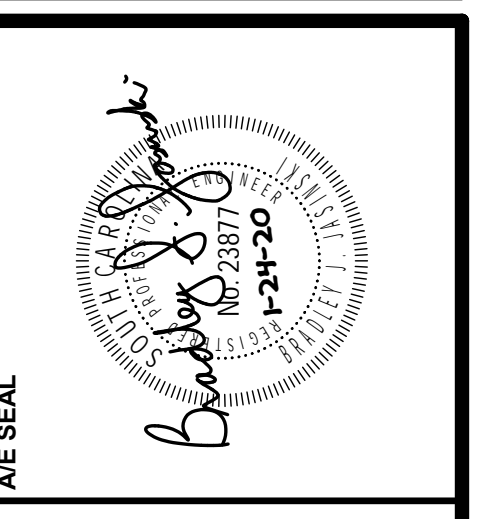
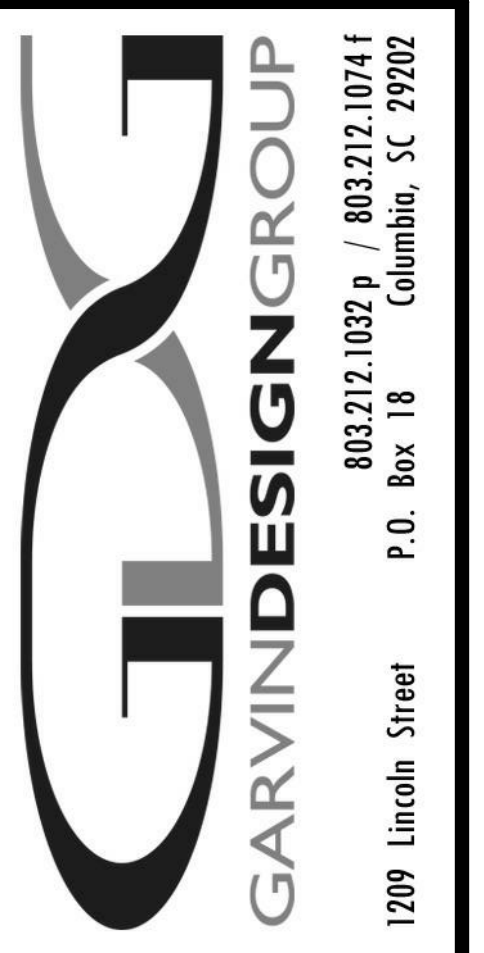
DRAWING TITLE
FINISHES

DEMOLITION NOTES

① REMOVE ABANDONED SUPPLY DUCT AND ASSOCIATED DIFFUSERS AS SHOWN.



1 DEMOLITION FLOOR PLAN
MD1.1 1/4" = 1'-0"



PROJECT TITLE
RE-BID: COLISEUM LAUNDRY ROOM FOR BASKETBALL
FP00000296
 Carolina Coliseum
 701 Assembly St
 Columbia, SC 29208

NO.	REVISIONS	NAME	DATE

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CHECKED BY: BUJ

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DRAWING TITLE
HVAC DEMOLITION FLOOR PLAN

Swygert & Associates
 CONSULTING ENGINEERS

DBA: Swygert & Assoc., Ltd. Telephone: (803) 791-9100
 Post Office Box 11466 Facsimile: (803) 791-6830
 Columbia, S.C. 29211 mail@swygert-associates.com

PROJECT NO. U501.18
DATE 01/24/20
DRAWING NO. MD1.1

AIR DISTRIBUTION SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL	FRAME	CFM	NECK SIZE	FACE SIZE	MAX NG	REMARKS
A	LOUVERED TRANSFER	PRICE	630	SURFACE	---	36"x24"	36"x26"	35	1,2

1. PROVIDE WITH STANDARD WHITE FINISH.
2. PROVIDE ALUMINUM CONSTRUCTION.

DRYER BOOSTER FAN SCHEDULE

TAG	GREENHECK MODEL NO.	TYPE	CFM	ESP	MOTOR H.P./W	SONES (MAX.)	REMARKS
DBF-1	EQB-15-15	INLINE	3,750	1.0	1-1/2	19	1,2

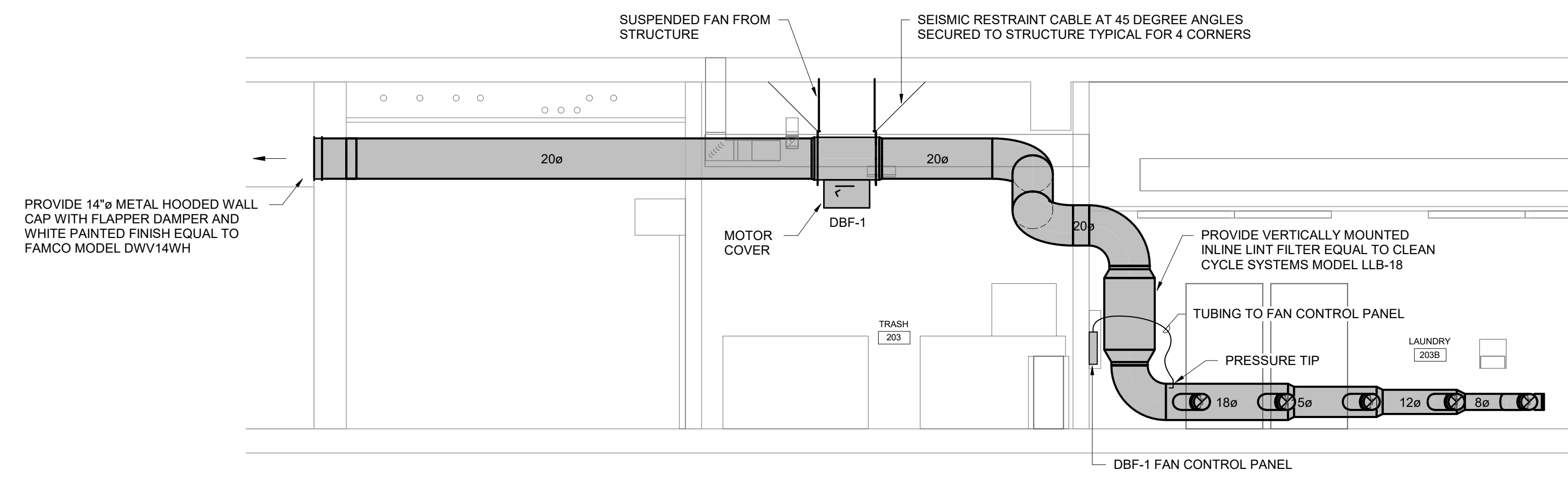
1. PROVIDE BELT DRIVEN MIXED FLOW INLINE FAN WITH DISCONNECT SWITCH, CONCRETE GRAY PERMATECTOR COATING, DUCT COLLARS, MOTOR COVER, BELT GUARD, AND BOLTED ACCESS DOOR.
2. PROVIDE CLEAN CYCLE SYSTEMS EQUALIZER VFD FAN CONTROL PANEL WIRED TO CONTROL FAN SPEED BASED ON DUCT MOUNTED PRESSURE PROBE.

RENOVATION NOTES

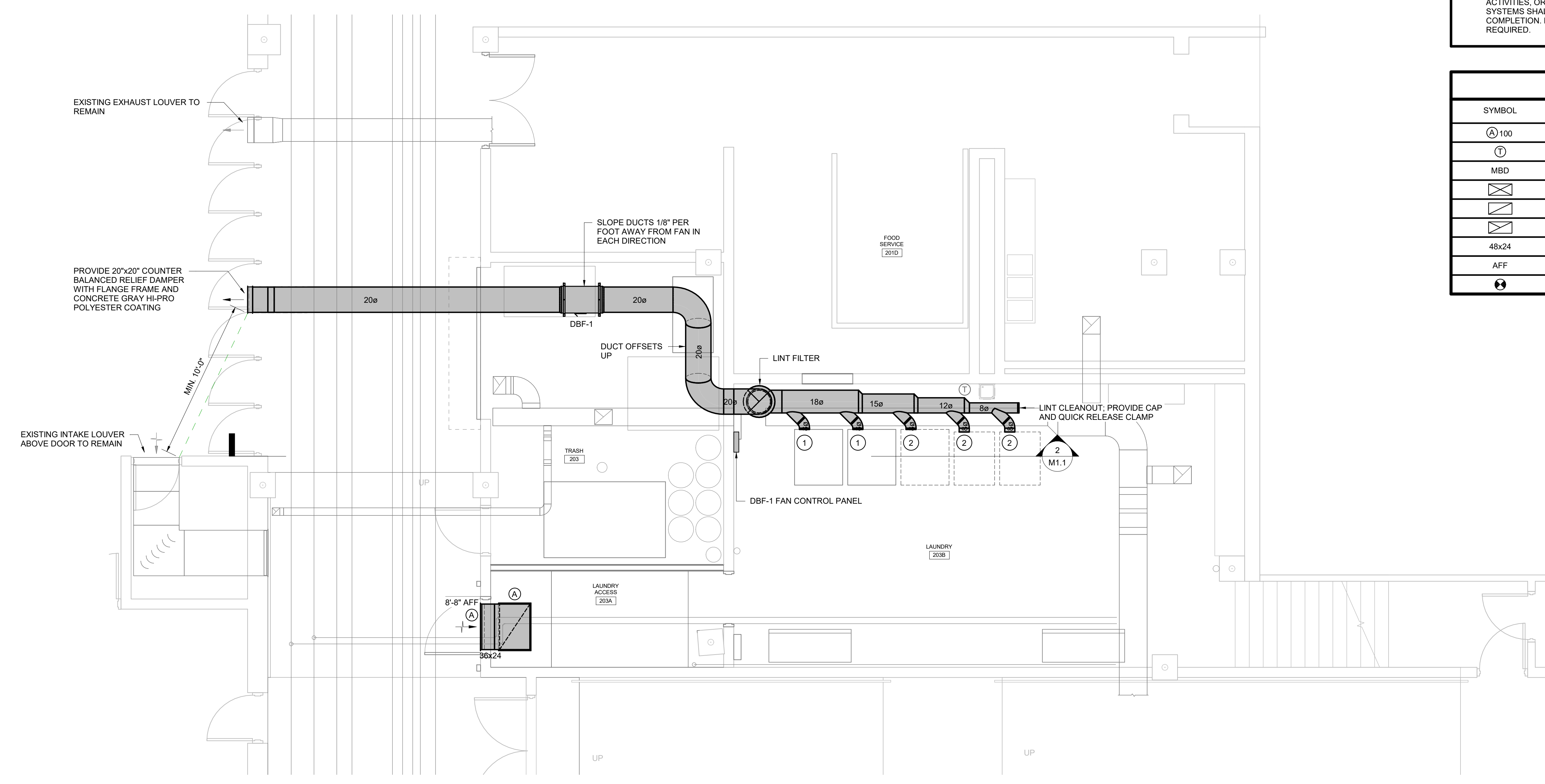
1. CONNECT HARD METAL DRYER EXHAUST DUCT TO APPLIANCE WITH CLAMP EQUAL TO FANTECH MODEL FC8.
2. PROVIDE DUCT CAP AND CLAMP EQUAL TO FANTECH MODEL FC8 FOR CONNECTION TO FUTURE APPLIANCE.

GENERAL NOTES

1. VISIT SITE PRIOR TO BIDDING. THIS CONTRACTOR SHALL DETERMINE DIFFICULTY OF INSTALLATION AND REFLECT THIS IN HIS BIDDING.
2. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, AIR DISTRIBUTION, ETC.
3. THIS CONTRACTOR SHALL VERIFY ALL EXISTING ITEMS AND LOCATIONS IN THE FIELD.
4. ALL PIPING AND DUCTWORK LOCATIONS SHALL BE COORDINATED WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE.
5. EXISTING PIPE, DUCTWORK, CONDUIT, ETC. THAT INTERFERES WITH THE ROUTING OF NEW SYSTEMS SHALL BE RELOCATED. THIS CONTRACTOR SHALL INCLUDE THE COST OF SUCH IN HIS BID UNLESS NOTED OTHERWISE.
6. WATER SYSTEMS SHALL BE DRAINED AS REQUIRED FOR INSTALLATION OF WORK. UPON COMPLETION, SYSTEM SHALL BE FILLED WITH WATER AND VENTED OF ALL AIR.
7. ALL PIPING AND DUCTWORK INSULATION SHALL BE RUN CONTINUOUSLY THROUGH PARTITIONS.
8. ALL PIPING IS SHOWN DIAGRAMMATIC. HOWEVER, THIS CONTRACTOR SHALL PROVIDE ALL REQUIRED FITTINGS, PIPING AND INSULATION FOR ALL OFFSETS AND/OR CHANGES IN ELEVATION.
9. EXTEND ALL DRAIN LINES TO NEAREST FLOOR DRAIN OR AS INDICATED - SO ROUTED AS TO AVOID INTERFERENCE WITH PASSAGEWAYS AND MAINTENANCE. DRAINS FROM AIR HANDLING UNITS SHALL BE TRAPPED PER STATIC PRESSURE REQUIREMENTS.
10. ALL WATER PIPING SHALL PITCH DOWN IN DIRECTION OF FLOW ONE-INCH PER FIFTY FEET WITH MANUAL AIR VENTS AT ALL HIGH POINTS AND 3/4-INCH DRAIN VALVES WITH STANDARD HOSE CONNECTION AT ALL LOW POINTS.
11. ALL VALVES AND SPECIALTIES SHALL BE LINE SIZE UNLESS NOTED OTHERWISE, USING ECCENTRIC REDUCERS ON AUTOMATIC VALVES AS REQUIRED.
12. MINIMUM PIPE SIZE SHALL BE 3/4-INCH UNLESS INDICATED OTHERWISE.
13. ALL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE SPECIFICATIONS AND FURTHER SUPPORTS OR HANGERS SHALL BE PROVIDED TO PREVENT WEIGHT OF PIPING BEING PLACED ON EQUIPMENT.
14. ALL DUCTWORK SPECIFIED TO BE LINED SHALL BE INCREASED IN SIZE TO ALLOW FOR LINER.
15. PROVIDE FOR ACCESS TO ALL EQUIPMENT REQUIRING CLEANING OR ADJUSTMENT PER MANUFACTURER'S INSTRUCTIONS. PROVIDE FULL SPACE FOR COIL REMOVAL AND REPLACEMENT FOR ALL CHILLED WATER AIR HANDLING UNITS.
16. THIS CONTRACTOR SHALL PROVIDE ALL ITEMS OF MISCELLANEOUS STEEL AS REQUIRED FOR INSTALLATION OF ALL MECHANICAL ITEMS.
17. THIS CONTRACTOR SHALL DO ALL CONTROL WIRING. DIVISION 26 WILL DO ALL POWER WIRING. ALL WIRING SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE. CONTROL WIRING SHALL BE CONCEALED WITHIN WALL AND ALL CONTROL WIRING SHALL BE ROUTED IN EMT CONDUIT. DUCT DETECTORS PROVIDED BY DIVISION 26 SHALL BE INSTALLED BY DIVISION 23. POWER WIRING AND FIRE ALARM CONNECTIONS SHALL BE BY DIVISION 26. CONTROL WIRING FOR UNIT SHUTDOWN SHALL BE BY DIVISION 23.
18. LOCATE ALL SPACE CONTROL INSTRUMENTS 4'-0" ABOVE FINISHED FLOOR TO TOP OF DEVICE IN ACCORDANCE WITH ADA. COORDINATE LOCATIONS WITH ARCHITECTURAL ELEVATIONS TO AVOID ITEMS INCLUDING BUT NOT LIMITED TO CUSTOM FINISHES, FIXED CASEWORK, FURNITURE, AND DOOR SWINGS. IN THE EVENT OF CONFLICTS IN THE FIELD, THE CONTRACTOR SHALL BRING THIS TO THE ATTENTION OF THE A/E FOR FINAL APPROVAL OF LOCATION.
19. INSTRUMENT TEST HOLES SHALL BE LOCATED IN EACH SUPPLY DUCT OR ZONE DUCT, IN EACH RETURN AIR DUCT AND EACH OUTSIDE AIR DUCT.
20. CORRECT SETTINGS ON ALL BALANCING FITTINGS SHALL BE PERMANENTLY MARKED. PROVIDE ORANGE FLAGGING RIBBON ON EACH DAMPER HANDLE FOR EASY IDENTIFICATION.
21. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY DISMANTLING OF EQUIPMENT TO BE REMOVED.
22. ITEMS REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR, UNLESS NOTED OTHERWISE, AND SHALL BE DISPOSED OF PROPERLY.
23. THE HVAC SYSTEMS SHALL NOT BE OPERATED DURING HEAVY CONSTRUCTION OPERATIONS INCLUDING MASONRY, GYPSUM BOARD SANDING, HEAVY CLEANUP ACTIVITIES, OR OTHER ACTIVITIES THAT CREATE AIRBORNE PARTICLES OR DEBRIS. ALL SYSTEMS SHALL BE CLEAN OF CONSTRUCTION DEBRIS, DUST AND DIRT AT FINAL COMPLETION. DUCT CLEANING AND UNIT/COIL CLEANING SHALL BE PERFORMED AS REQUIRED.



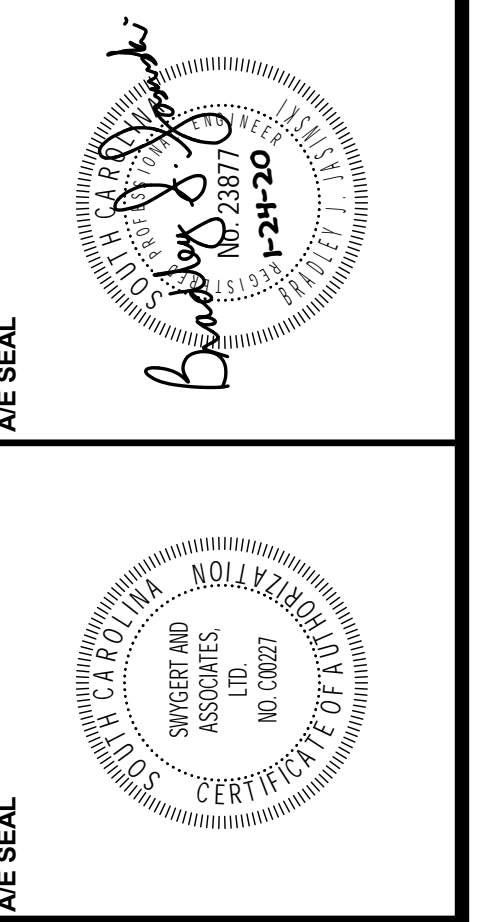
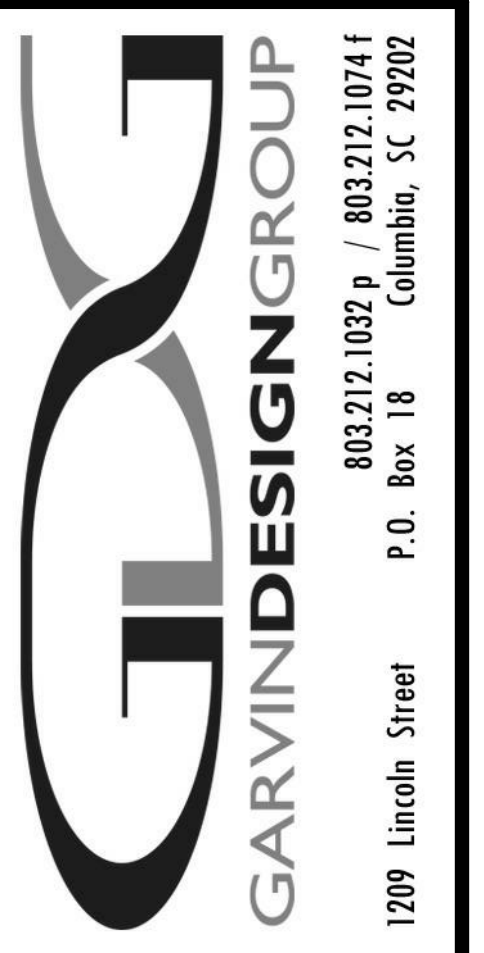
2 DRYER VENTING SECTION
M1.1 1/4" = 1'-0"



1 RENOVATION FLOOR PLAN
M1.1 1/4" = 1'-0"

LEGEND

SYMBOL	DESCRIPTION
⊙ 100	TYPE 'A' DIFFUSER, 100 CFM
⊙	ZONE TEMPERATURE SENSOR
MBD	MANUAL OPPOSED BLADE BALANCING DAMPER
⊠	RECTANGULAR SUPPLY DUCTWORK
⊠	RETURN AND FRESH AIR DUCTWORK
⊠	EXHAUST DUCTWORK
48x24	48"x24" RECTANGULAR DUCT
AFB	ABOVE FINISHED FLOOR
⊙	CONNECTION POINT OF NEW TO EXISTING



PROJECT TITLE
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DRAWING TITLE
HVAC RENOVATION FLOOR PLAN, NOTES, SCHEDULE, AND LEGEND

Swygart & Associates
CONSULTING ENGINEERS
DBA Swygart & Assoc., Ltd. Telephone: (803) 791-9100
Post Office Box 11466 Facsimile: (803) 791-6830
Columbia, S.C. 29211 mail@swygart-associates.com

PROJECT NO. U507.18
DATE 01.24.20
DRAWING NO. M1.1

All work this sheet to be priced as Alternate # 1.

GENERAL NOTES

- SUBMIT DRAWINGS INDICATING EXACT LOCATION OF ALL SPRINKLER HEADS FOR OWNER'S REVIEW AND BRING ALL FIELD CONFLICTS AND REQUIRED ADJUSTMENTS TO THE OWNER'S ATTENTION FOR VERIFICATION OF FINAL LOCATION OF ALL SPRINKLER HEADS.
- SPRINKLER DRAWINGS PROVIDED ARE TO ASSIST THE CONTRACTOR. SUCCESSFUL CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF A COMPLETE SYSTEM PER THESE PLANS AND SPECIFICATIONS AND IN COMPLIANCE WITH ALL APPLICABLE CODES. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMISSION TO THE OFFICE OF THE STATE FIRE MARSHAL.
- THE DESIGN TEAM, TO INSURE COMPATIBILITY WITH THE BUILDING DESIGN INTENT, WILL CAREFULLY REVIEW SPRINKLER PLANS. CORRECTIONS WILL BE MADE BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- ALL NEW SPRINKLER HEADS SHALL BE CENTERED IN ALL ACOUSTICAL CEILING TILES OR CENTERED IN GYPSUM BOARD SOFFITS AS REQUIRED.
- SPRINKLER PIPING SHALL BE INSTALLED TO MEET SEISMIC REQUIREMENTS WITH LATERAL SWAY BRACING, LONGITUDINAL SWAY BRACING, AND FOUR-WAY BRACING AS REQUIRED BY NFPA AND THE INTERNATIONAL BUILDING CODES.
- ALL PIPING 2-1/2" AND LARGER SHALL BE SCHEDULE 10 STEEL PIPING AND ALL PIPING SMALLER THAN 2-1/2" SHALL BE SCHEDULE 40 STEEL PIPING.

SPECIAL NOTES

- EXISTING SPRINKLER SYSTEM SHALL BE EXTENDED OVER TO UNPROTECTED AREA INSIDE "SCOPE OF WORK" LINE AND PROVIDE COVERAGE AT NEW CEILINGS TO PROVIDE A FULLY PROTECTED AREA. PROTECTION ABOVE CEILING NOT REQUIRED.
- AREA OF LAUNDRY ACCESS 203A HAS SPRINKLERS INSTALLED AT STRUCTURE LEVEL. FIRE SPRINKLER CONTRACTOR TO EXTEND HEADS DOWN TO NEW CEILING. EXISTING SPRINKLERS TO REMAIN IN PLACE.
- EXISTING SPRINKLER SYSTEM TO BE EXTENDED INTO NEW LAUNDRY. VERIFY HYDRAULIC SIZES.
- DROP NEW SPRINKLER LINE BELOW CEILING FOR PROTECTION OF STAIRS.
- NEW FIRE SPRINKLER LINE AT STAIR TO BE ROUTED EXPOSED AND MOUNTED TO WALL NEAR CEILING. REFERENCE ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR ADDITIONAL INFORMATION AND ROUTING LOCATION.

Fire Protection Sprinkler System Specification Sheet
(Per 448-18-256)

Project Data	
Project name:	USC Coliseum - Laundry Relocation
Location in South Carolina:	Address (street # & street name): 701 Assembly Street City: Columbia County: Richland State project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No State project #: N/A
Water Supply Information	
Date test conducted:	12/17/2019
Static pressure (psi):	102
Residual pressure (psi):	67
Flow (gpm):	1520
Distances of test gauges relative to the base of the riser: Horizontal (ft): 400' Vertical (elevation difference in ft): 8'	
Source of water supply:	<input checked="" type="checkbox"/> Municipal stand-end <input type="checkbox"/> Municipal circulation <input type="checkbox"/> Other: Pipe Size (in.): 8"
Test data by/from:	Name: Jason A. Shaw, P.E. Title: Water Engineer Organization: City of Columbia Telephone #: 803-545-3400
Fire pump:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pump Capacity (gpm): N/A Churn Pressure (psi): N/A Rated Pressure (psi): N/A Pressure @ 150% flow (psi): N/A
On-site storage tank:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Tank capacity (gallons): N/A
NFPA Hazard Classification	
Area #	Class or Code Reference Description of Hazard Protected (commodity description, storage height, and arrangement as applicable.)
1	Light Hazard Corridor
2	Ordinary Hazard - Group I Laundry
Design Parameters	
Area #	System Type Density (gpm/ft ²) / Area (ft ²) or Other (reference code section) Inside Hose (gpm) Outside Hose (gpm)
1	Wet 0.10/Entire Area 0 100
2	Wet 0.15/Entire Area 0 250
Seismic Design Data: S _s = 0.419	
Codes and Standards	
Applicable Codes, Standards & Editions (i.e. "2006 IBC", "2007 NFPA 13", etc.) for the Scope of Work on the Sprinkler System	
International Building Code - 2015 Edition, International Fire Code - 2015 Edition	
NFPA 13 - 2013 Edition	
Scope of work (such as sprinkler system A.G. from 1'-6" A.F.F., U.G. from top to 5'-0" outside, etc.) and notes (attach continuation page when necessary): Modifications to existing system to include new areas not previously protected.	
Specifier's Information	
Name:	Todd F. Swygert, P.E.
Engineering services provided through a firm:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Firm name:	Swygert and Associates, Ltd.
Address:	Post Office Box 11686
City:	Columbia
State:	South Carolina
Zip:	29211
Phone #:	(803)791-9300
Fax #:	(803)791-0830
E-mail:	Todd@swygert-associates.com
Revision No.:	1 of 1
Page:	1 of 1
Signature:	<i>Todd F. Swygert</i>
Date:	12-19-19

NOTE: ALL WORK SHALL COMPLY WITH NFPA 13 - 2013 EDITION FOR A WET PIPE SYSTEM.

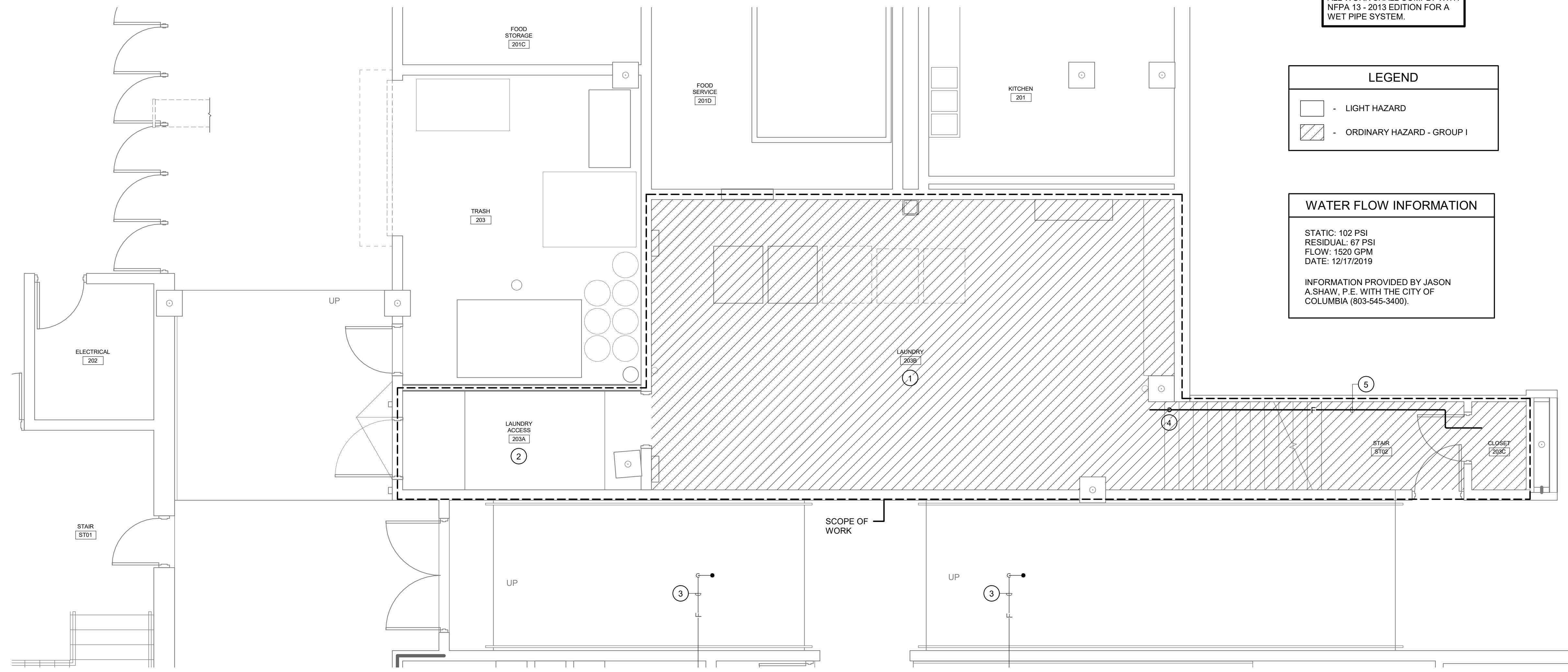
LEGEND

	· LIGHT HAZARD
	· ORDINARY HAZARD - GROUP I

WATER FLOW INFORMATION

STATIC: 102 PSI
RESIDUAL: 67 PSI
FLOW: 1520 GPM
DATE: 12/17/2019

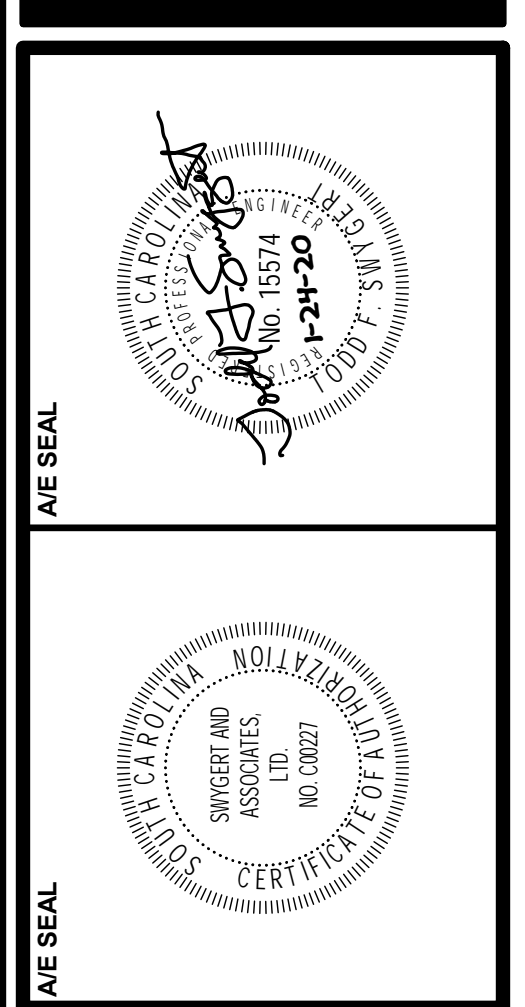
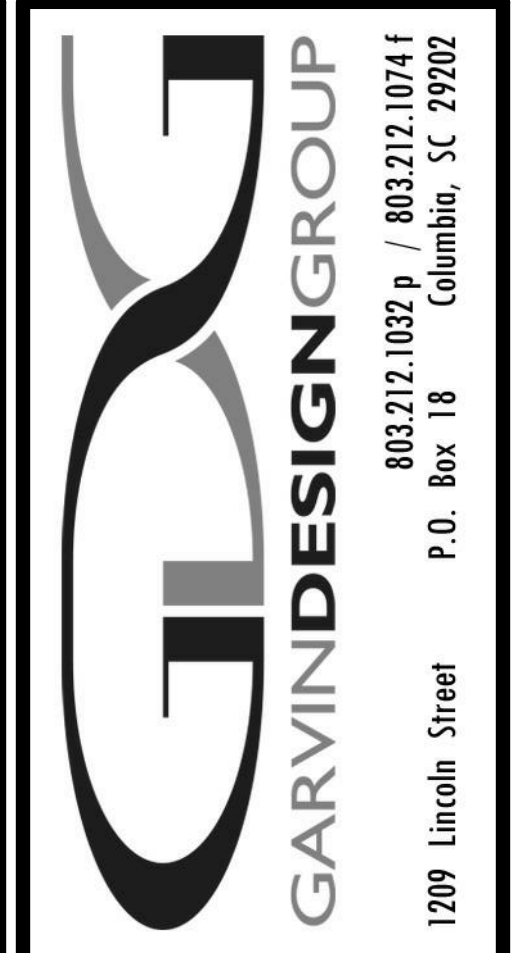
INFORMATION PROVIDED BY JASON A. SHAW, P.E. WITH THE CITY OF COLUMBIA (803-545-3400).



1 FLOOR PLAN
FP1.1 1/4" = 1'-0"

Swygert & Associates
CONSULTING ENGINEERS

DBA: Swygert & Assoc., Ltd. Telephone: (803) 791-9300
Post Office Box 11686 Columbia, S.C. 29211 Facsimile: (803) 791-0830
mail@swygert-associates.com



PROJECT TITLE
RE-BID: COLISEUM LAUNDRY ROOM FOR BASKETBALL
FP00000296
Carolina Coliseum
701 Assembly St
Columbia, SC 29208

REVISIONS

NO.	NAME	DATE

DRAWN BY: TFS
CHECKED BY: TFS

DRAWING TITLE
FLOOR PLAN AND NOTES

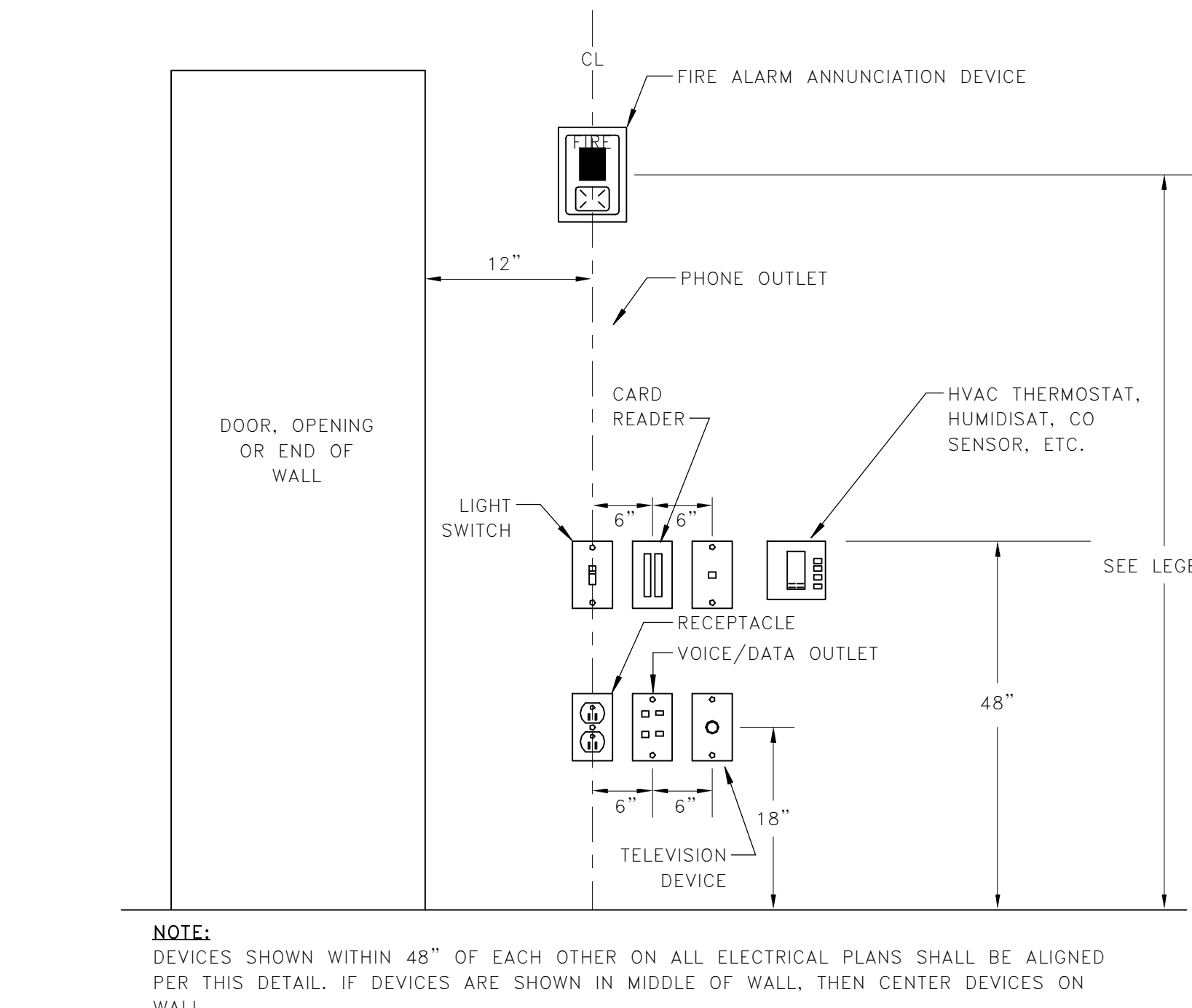
PROJECT NO.: U50118
DATE: 01.24.20
DRAWING NO.: FP1.1

- GENERAL "ELECTRICAL" NOTES**
- BRANCH CIRCUIT WIRING SHALL BE NO. 12 AWG UNLESS NOTED OTHERWISE. WHERE CONDUCTOR AND RACEWAY SIZE ARE SHOWN AT HOMERUN, SUCH SIZE SHALL BE USED FOR THE ENTIRE CIRCUIT. EXCEPTION: FINAL CONNECTION TO DEVICES, IN OUTLET BOXES, IS NOT REQUIRED TO BE LARGER THAN NO. 12 AWG.
 - 20A/120V BRANCH CIRCUITS EXCEEDING 100' IN LENGTH FROM PANEL TO FARTHEST DEVICE OR FIXTURE SHALL USE NO. 10 CONDUCTORS AND 3/4" RIGID.
 - PRIOR TO ROUGH-IN, COORDINATE THE LOCATION AND MOUNTING HEIGHT OF ALL WALL AND CEILING MOUNTED DEVICES WITH THE ARCHITECTURAL ELEVATIONS, MILLWORK SHOP DRAWINGS, AND EXISTING CONDITIONS. IN THE EVENT OF A CONFLICT, NOTIFY THE ARCHITECT. MINOR ADJUSTMENTS IN DEVICE LOCATION, I.E. 5"-0" IN ANY DIRECTION SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER. RACEWAYS SHALL BE INSTALLED CONCEALED IN NEW WALL CONSTRUCTION ABOVE CEILINGS, BELOW FLOOR, AND IN OTHER CAVITIES TO THE GREATEST EXTENT POSSIBLE. WHERE EXPOSED RACEWAYS MUST BE USED, LAYOUT RACEWAYS TO MINIMIZE THE NUMBER OF VERTICAL RUNS.
 - THE ARRANGEMENT, GROUPING, AND ROUTING OF BRANCH CIRCUITS SHALL BE PROVIDED AT THE CONTRACTOR'S DISCRETION IN ACCORDANCE WITH GENERALLY ACCEPTED PRACTICE FOR ELECTRICAL WORK, THE NATIONAL ELECTRICAL CODE REQUIREMENTS, LOCAL ORDINANCES, AND THE FOLLOWING:
 - A COMMON NEUTRAL SHALL NOT BE INSTALLED IN A HOMERUN FOR 2 OR 3 BRANCH CIRCUITS UNLESS DIRECTION IS PROVIDED BY THE ENGINEER IN WRITING FOR A SPECIFIC APPLICATION.
 - MULTIPLE SINGLE-POLE BRANCH CIRCUITS (UP TO 3 HOTS, 3 NEUTRALS, 1 GROUND) RATED FOR 30-AMPS OR LESS MAY BE PULLED INTO A SINGLE RACEWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING THE RACEWAYS AND DERATING CONDUCTORS PER NEC ARTICLE 310.15.
 - BRANCH CIRCUIT, FEEDER & COMMUNICATION CIRCUITS SHALL BE ROUTED OVERHEAD UNLESS PRIOR APPROVAL HAS BEEN GRANTED BY THE ARCHITECT AND ENGINEER.
 - A GROUND CONDUCTOR SHALL BE PROVIDED IN ALL RACEWAYS UNLESS NOTED OTHERWISE.
 - PROVIDE EXPANSION JOINT COUPLINGS ANYWHERE A CONDUIT PASSES THROUGH A BUILDING EXPANSION JOINT.
 - THE USE OF MC CABLE IS NOT ALLOWED.
 - SEAL ALL EXISTING AND NEW FIRE RATED WALL AND FLOOR PENETRATIONS IN THE CONSTRUCTION AREA.
 - SEE THE ARCHITECTURAL DRAWINGS FOR ALL LOCATIONS OF FIRE RATED WALLS.
 - WHEREVER ON THE ELECTRICAL DRAWINGS THE WORD "PROVIDE" IS USED, IT SHALL BE INFERRED TO MEAN "FURNISH AND INSTALL".
 - WHERE CARD READERS AND / OR DOOR CONTACTS ARE SHOWN ON DRAWINGS, COORDINATE WITH ACCESS CONTROL AND DOOR HARDWARE SUPPLIER TO ENSURE THAT ALL RACEWAYS AND BOXES FOR POWER, SIGNALING, AND DATA ARE PROVIDED TO CARD READER LOCATIONS, DOOR FRAME, POWER SUPPLIES, AND CABLE-TRAY.

- GENERAL EXISTING CONDITION NOTES**
- AREAS OF WORK EXIST FOR THIS PROJECT WHICH ARE NOT ACCESSIBLE OR HAVE LIMITED ACCESS DURING DESIGN. AS SUCH CONTRACTOR SHALL VERIFY ALL UTILITIES IN AREA OF WORK BEFORE DEMOLITION OF ANY SERVICE. ANY ELECTRICAL COMPONENTS NOT SHOWN SHALL BE IDENTIFIED AND THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED AS SOON AS POSSIBLE. NO ELECTRICAL REWORK SHALL BE COMMENCED WITHOUT COORDINATION OF BOTH ARCHITECT AND ENGINEER.
 - IN AREAS WHERE THE EXISTING CEILING IS NOT SLATED TO BE REMOVED, THE CONTRACTOR SHALL WORK THRU THE EXISTING CEILING (SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR AREA OF WORK). THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY DAMAGED TILE OR GRID THAT IS A RESULT OF THEIR WORK.
 - REFER TO ARCHITECTURAL PLANS FOR PHASING OF CONSTRUCTION.
 - WHERE INSTALLATION REQUIRES CUTTING OR DRILLING OF THE EXISTING FLOOR SLAB, THE CONTRACTOR SHALL X-RAY THE EXISTING SLAB PRIOR TO WORK TO ENSURE THAT NO EXISTING UTILITIES OR STRUCTURAL ELEMENTS IN THE SLAB WILL BE COMPROMISED BY THE WORK. NOTIFY THE ARCHITECT/ENGINEER OF ANY CONFLICTS THAT WILL REQUIRE RELOCATING THE PROPOSED SLAB WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED UTILITIES OR STRUCTURAL ELEMENTS CAUSED BY THE SLAB DEMOLITION.
 - SUPPORT ALL EXISTING CONDUITS AND JUNCTION BOXES ABOVE THE CEILING PER NEC IN THE CONSTRUCTION AREA.
 - REMOVE ALL ABANDONED CONDUIT, WIRE, AND COMMUNICATION CABLES ABOVE THE CEILING IN THE CONSTRUCTION AREA.
 - PROVIDE JUNCTION BOX COVER PLATES ON ALL EXISTING JUNCTION BOXES ABOVE THE CEILING IN THE CONSTRUCTION AREA.
 - SUPPORT ALL EXISTING COMMUNICATION CABLES ABOVE THE CEILING IN THE CONSTRUCTION AREA.
 - WHERE INFORMATION SHOWN ON THESE DRAWINGS CONFLICTS WITH VERIFIED FIELD CONDITIONS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

- GENERAL "DEMOLITION" NOTES**
- ALL ELECTRICAL EQUIPMENT TO BE REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIALS UNTIL RELEASED BY OWNER'S PROJECT MANAGER. MATERIALS THAT OWNER'S PROJECT MANAGER CHOOSES TO RETAIN SHALL BE DELIVERED BY THE CONTRACTOR TO A LOCATION DESIGNATED BY THE PROJECT MANAGER. ALL OTHER MATERIALS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
 - REMOVE ALL EXPOSED ABANDONED COMMUNICATION CABLE FOUND DURING THE CONSTRUCTION PROCESS. SUPPORT ALL EXISTING REMAINING CABLE PER THE NEC.
 - ELECTRICAL DEVICES NOT SHOWN ON WALLS TO BE DEMOLISHED SHALL BE DEMOLISHED AT NO ADDITIONAL COST TO OWNER.
 - ELECTRICAL DEVICES NOT SHOWN ON CEILINGS OR WALLS TO REMAIN SHALL REMAIN IN PLACE. PROTECT FROM DAMAGE DURING CONSTRUCTION.
 - ELECTRICAL DEVICES NOT SHOWN ON CEILINGS TO BE REMOVED SHALL BE TEMPORARILY DISCONNECTED AND REMOVED DURING DEMOLITION AND RE-INSTALLED ON NEW CEILING IN SAME LOCATION.

- GENERAL "POWER" NOTES**
- ALL BRANCH CIRCUITS INDICATED ON THESE PLANS TO BE LARGER THAN NO. 12 AWG SHALL BE SIZED AS INDICATED FOR THE ENTIRE LENGTH OF THE CIRCUIT.
 - PROVIDE AND INSTALL AN ENGRAVED LAMINATED PLASTIC NAMEPLATE ON EACH ITEM OF ELECTRICAL EQUIPMENT SERVING MECHANICAL EQUIPMENT WHICH MATCH MECHANICAL DESCRIPTIONS, TO INDICATE THE DESIGNATION OF THE UNIT ON THE PLANS & THE BRANCH CIRCUIT SERVING THE EQUIPMENT.
 - PROVIDE NEMA CONFIGURATION RECEPTACLES TO MATCH PLUGS ON EQUIPMENT FURNISHED.
 - WHERE SPEED CONTROLLER IS INDICATED TO BE PROVIDED WITH FANS, IT SHALL BE PROVIDED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.
 - PROVIDE LABEL ON INSIDE FACE OF COVER PLATE OF ALL RECEPTACLES, SWITCHES & WALL MOUNTED DEVICES INDICATING PANEL AND BRANCH CIRCUIT TO WHICH EACH DEVICE IS CONNECTED.



1 DEVICE ALIGNMENT DETAIL
E.O.1 SCALE: 12" = 1'-0"

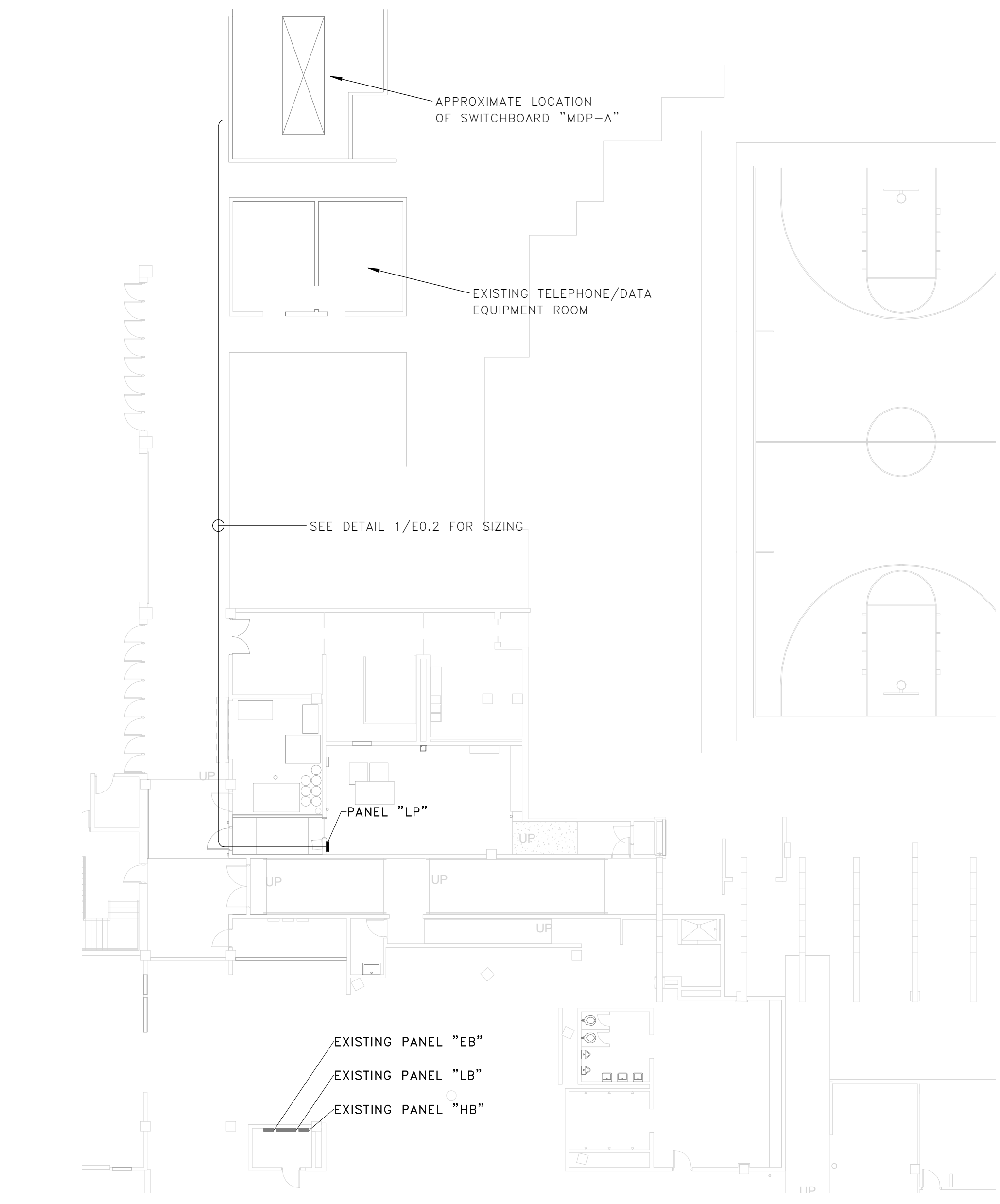
- GENERAL "LIGHTING" NOTES**
- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNTED LIGHTING FIXTURES.
 - EXACT LOCATIONS OF LIGHTING FIXTURES IN MECHANICAL SPACES SHALL BE DETERMINED IN THE FIELD. DO NOT SUPPORT FIXTURES FROM DUCT OR PIPING. PROVIDE CHAIN OR TRAPEZE-TYPE HANGERS WHERE FIXTURES CAN NOT BE MOUNTED DIRECTLY TO CEILING.
 - LIGHTING FIXTURE CATALOG NUMBERS ARE INDICATIVE OF THE STYLE OF FIXTURE REQUIRED. CONTRACTOR SHALL PROVIDE FIXTURES WITH THE PROPER TRIM, VOLTAGE AND OPTIONS NECESSARY FOR INSTALLATION.
 - DOUBLE-FACED EXIT FIXTURES SHALL BE OF THE SAME MANUFACTURER & SERIES AS THE SINGLE TYPE SPECIFIED.
 - REGARDLESS OF CATALOG NUMBER INDICATED IN SCHEDULE, PROVIDE BATTERY PACKS FOR ALL FIXTURES INDICATED ON THE DRAWINGS TO BE EMERGENCY TYPE.
 - ALL EXIT SIGNS SHALL BE CONNECTED TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHING.
 - REGARDLESS OF CATALOG NUMBER INDICATED IN SCHEDULE, ALL EXIT SIGNS SHALL BE PROVIDED WITH A BATTERY PACK, SHALL BE WIRED AHEAD OF LOCAL SWITCH AND SHALL NOT BE SWITCHED.
 - REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS OF LIGHT FIXTURE TO ACOUSTICAL CEILING SYSTEM AND STRUCTURE.

EQUIPMENT CONNECTION SCHEDULE		ELECTRICAL SUMMARY		DISCONNECT SUMMARY				NOTES	
UNIT I.D.	CONNECTION DESCRIPTION	VOLTAGE	# OF POLES	LOAD (VA)	FURN. BY	DISC. RATING	TRIP / FUSE		NEMA RATING
DBF-1	DRYER BOOSTER FAN	208 V	2	2496	EC	30 A	M	1	2
DRYER 1	RELOCATED EQUIPMENT (UNI-MAC)	480 V	3	31500	EC	60 A	-	4	3
DRYER 2	RELOCATED EQUIPMENT (UNI-MAC)	480 V	3	31500	EC	60 A	-	4	3

- EQUIPMENT CONNECTION SCHEDULE NOTES**
- ALL SWITCHES SHALL BE GENERAL DUTY TYPE, FUSIBLE UNLESS NOTED WITH "NF" (NON-FUSIBLE).
 - "M" DENOTES DISCONNECT SWITCH INTEGRAL WITH MECHANICAL EQUIPMENT.
 - PROVIDE FUSING PER EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
 - EXISTING WASHER 1 SHALL BE CORD CONNECTED TO 20 AMP, 120V DUPLEX RECEPTACLE. 480V SWITCH SHALL BE FUTURE REPLACEMENT WASHER.

LIGHT FIXTURE SCHEDULE										
SYMBOL	TYPE	FIXTURE DESCRIPTION	MANUFACTURER	CAT. #	LAMPING		ELECTRICAL		MOUNTING REMARKS	NOTES
					NO.	LAMP TYPE	FIXT. LOAD	VOLTS		
[Symbol]	AE	4" LINEAR LED VAPORTIGHT FIXTURE WITH BATTERY PACK	HUBBELL	LXEM4-40ML-RFA-EU-ELL 14	-	LED, 4345L, 4000K	39	120 V	SURFACE	1,2,3
[Symbol]	E or R	SEE DEMOLITION/RENOVATION NOTATION ON SHEET E0.1					59	120 V		
[Symbol]	X	EXIT SIGN WITH BATTERY AND RED LETTERING	COMPASS	CER	-	LED	4	120 V	AS SHOWN ON PLAN	1,2,3

- LIGHT FIXTURE SCHEDULE NOTES**
- LUMENS LISTED IN SCHEDULE REPRESENT DELIVERED LUMENS OF FIXTURES.
 - SEE ARCHITECTURAL RCP AND ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS.
 - CONFIRM QUANTITIES OF FIXTURES SHOWN IN RCP MATCH QUANTITIES SHOWN ON ELECTRICAL PLANS PRIOR TO BID. IF NO DISCREPANCIES ARE NOTED PRIOR TO BID THE HIGHEST QUANTITY OF EACH FIXTURE TYPE SHOWN SHALL BE PROVIDED.



2 ELECTRICAL OVERALL PLAN
E.O.1 SCALE: 1/16" = 1'-0"

All work on electrical sheets to be priced as Alternate # 2.

ELECTRICAL SYMBOL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
[Symbol]	SINGLE RECEPTACLE (WALL MOUNTED @ 18" AFF)	[Symbol]	FIRE ALARM FULL STATION (WALL MOUNTED @ 48" AFF TOP OF BOX)
[Symbol]	DUPLEX RECEPTACLE (WALL MOUNTED @ 18" AFF)	[Symbol]	FIRE ALARM AUDIBLE DEVICE (WALL MOUNTED @ 7'-6" AFF)
[Symbol]	DUPLEX RECEPTACLE (GFI TYPE @ 18" AFF)	[Symbol]	FIRE ALARM VISUAL DEVICE (WALL MOUNTED @ 7'-6" AFF)
[Symbol]	DUPLEX RECEPTACLE (USB TYPE @ 18" AFF)	[Symbol]	FIRE ALARM AUDIBLE/VISUAL DEVICE (WALL MOUNTED @ 7'-6" AFF)
[Symbol]	DUPLEX RECEPTACLE (@ 6" ABOVE COUNTER)	[Symbol]	FIRE ALARM AUDIBLE DEVICE (CEILING MOUNTED)
[Symbol]	DUPLEX RECEPTACLE (GFI TYPE @ 6" ABOVE COUNTER)	[Symbol]	FIRE ALARM VISUAL DEVICE (CEILING MOUNTED)
[Symbol]	DUPLEX RECEPTACLE (USB TYPE @ 6" ABOVE COUNTER)	[Symbol]	FIRE ALARM AUDIBLE/VISUAL DEVICE (CEILING MOUNTED)
[Symbol]	QUAD RECEPTACLE (WALL MOUNTED @ 18" AFF)	[Symbol]	SMOKE DETECTOR (WALL MOUNTED)
[Symbol]	QUAD RECEPTACLE (USB TYPE @ 18" AFF)	[Symbol]	SMOKE DETECTOR (CEILING MOUNTED)
[Symbol]	QUAD RECEPTACLE (@ 6" ABOVE COUNTER)	[Symbol]	HEAT DETECTOR (WALL MOUNTED)
[Symbol]	QUAD RECEPTACLE (GFI TYPE @ 6" ABOVE COUNTER)	[Symbol]	HEAT DETECTOR (CEILING MOUNTED)
[Symbol]	QUAD RECEPTACLE (USB TYPE @ 6" ABOVE COUNTER)	[Symbol]	REMOTE TEST STATION FOR DUCT MOUNTED DETECTORS (WALL MOUNTED)
[Symbol]	DUPLEX RECEPTACLE (CEILING MOUNTED)	[Symbol]	REMOTE TEST STATION FOR DUCT MOUNTED DETECTORS (CEILING MOUNTED)
[Symbol]	DUPLEX RECEPTACLE (FLOOR MOUNTED)	[Symbol]	FIRE ALARM TAMPER SWITCH
[Symbol]	QUADPLEX RECEPTACLE (CEILING MOUNTED)	[Symbol]	FIRE ALARM PRESSURE SWITCH
[Symbol]	QUADPLEX RECEPTACLE (FLOOR MOUNTED)	[Symbol]	FIRE ALARM FLOW SWITCH
[Symbol]	DUPLEX REC/DATA COMBINATION (FLOOR MOUNTED)	[Symbol]	FIRE / SMOKE DAMPER
[Symbol]	QUADPLEX REC/DATA COMBINATION (FLOOR MOUNTED)	[Symbol]	PRESSURE INDICATING VALVE
[Symbol]	MULTI-PHASE RECEPTACLE (AS NOTED ON PLAN)	[Symbol]	SECURITY CARD READER
[Symbol]	JUNCTION BOX (WALL MTD)	[Symbol]	SECURITY KEY PAD
[Symbol]	JUNCTION BOX (CEILING)	[Symbol]	ADDRESSABLE INTERFACE UNIT (MONITOR OR CONTROL TYPE)
[Symbol]	JUNCTION BOX (FLOOR MOUNTED)	[Symbol]	CCTV CAMERA (WALL MOUNTED)
[Symbol]	PHONE OR DATA OUTLET (WALL MOUNTED @ 18" AFF)	[Symbol]	CCTV CAMERA (CEILING MOUNTED)
[Symbol]	PHONE OR DATA OUTLET (MTD ABOVE COUNTER)	[Symbol]	SURGE PROTECTION DEVICE
[Symbol]	PHONE OR DATA OUTLET (FLOOR MOUNTED)	[Symbol]	SPEAKER (WALL MOUNTED)
[Symbol]	TELEVISION / CATV OUTLET (WALL MOUNTED @ 18" AFF)	[Symbol]	SPEAKER (CEILING MOUNTED)
[Symbol]	TELEVISION / CATV OUTLET (CEILING MOUNTED)	[Symbol]	WI-FI ACCESS POINT (CEILING MOUNTED)
[Symbol]	PUSH BUTTON CONTROL	[Symbol]	CABLE TRAY
[Symbol]	LIGHT SWITCH, SINGLE POLE	[Symbol]	ELECTRICAL METERING DEVICE
[Symbol]	LIGHT SWITCH, 3 WAY TYPE	[Symbol]	ELECTRICAL UTILITY METER & C/T CABINET
[Symbol]	LIGHT SWITCH, 4 WAY TYPE	[Symbol]	PANELBOARD (SURFACE MOUNTED)
[Symbol]	LIGHT SWITCH, AUTOMATIC (CONNECT TO LCS)	[Symbol]	PANELBOARD (RECESS MOUNTED)
[Symbol]	LIGHT SWITCH, DIMMER TYPE	[Symbol]	CONTROL PANEL (SURFACE MOUNTED)
[Symbol]	LIGHT SWITCH, DIGITALLY TIMED (0-30 MINUTES)	[Symbol]	CONTROL PANEL (RECESS MOUNTED)
[Symbol]	MOTOR RATED SNAP SWITCH IN NEMA 1 ENCLOSURE	[Symbol]	DISCONNECT SWITCH, (REFER TO EQUIPMENT CONNECTION SCHEDULE)
[Symbol]	LOWER CASE SUBSCRIPT INDICATES SWITCH-LEG	[Symbol]	DISCONNECT SWITCH, (NON PROTECTED)
[Symbol]	MULTI-LEVEL SWITCHING CONFIGURATION	[Symbol]	MOTOR CONNECTION (AS NOTED)
[Symbol]	PHOTOCELL LIGHTING CONTROL	[Symbol]	HANDHOLE
[Symbol]	OCCUPANCY SENSOR (CEILING MOUNTED)	[Symbol]	REMOTE FEED-THRU GFCI DEVICE WITH INDICATOR LIGHT. (NO RECEPTACLE)
[Symbol]	OCCUPANCY SENSOR (WALL MOUNTED)		
[Symbol]	LIGHTING CONTROL CALLOUT (REFER TO SCHEDULE)		
[Symbol]	CONDUIT CALLOUT (# INDICATES DIAMETER)		
[Symbol]	KITCHEN EQUIPMENT CALLOUT (REFER TO SCHEDULE)		
[Symbol]	KEY NOTE CALLOUT (REFER TO KEY NOTES ON SHEET)		

ABBREVIATIONS

ABR	DESCRIPTION
(E)	EXISTING
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
BAS	BUILDING AUTOMATION SYSTEM
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BOD	BOTTOM OF DEVICE
CBB	COMMUNICATIONS BACK BOARD
cd	CANDELA
CLG	CEILING
ECB	ENCLOSED CIRCUIT BREAKER
EF	EXHAUST FAN
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FDS	FUSED DISCONNECT SWITCH
FSD	FIRE/SMOKE DAMPER
GBB	GROUND BUSS BAR
GFCI	GROUND-FAULT CIRCUIT-INTERRUPTING
GF	GROUND-FAULT INTERRUPTING
GP	GENERAL PURPOSE
HP	HEAT PUMP
ICP	IRRIGATION CONTROL PANEL
IG	ISOLATED GROUND
J-BOX	JUNCTION BOX
LCS	LIGHTING CONTROL SYSTEM
NEC	NATIONAL ELECTRIC CODE
NFDS	NON-FUSED DISCONNECT SWITCH
OC	ON CENTER
RFAP	REMOTE FIRE ALARM ANNUCIATOR PANEL
RTU	ROOF TOP UNIT
SD	SMOKE DETECTOR
SPD	SURGE PROTECTION DEVICE
TGB	TELEPHONE GROUNDING BUSS BAR
UNO	UNLESS OTHERWISE NOTED
UTP	UNSHIELDED TWISTED PAIR
VFD	VARIABLE FREQUENCY DRIVE
W/	WITH
WH	WATER HEATER
WP	WEATHERPROOF
XFMR	TRANSFORMER

- DEMOLITION/RENOVATION NOTATION**
- IF NO ANNOTATION IS SHOWN ASSUME EXISTING TO REMAIN IN PLACE FOR SOLID LINES AND DEMOLISH FOR DASHED LINES. DEVICES AND EQUIPMENT NOT SHOWN SHALL BE ASSUMED TO BE EXISTING TO REMAIN IN PLACE.
- E EXISTING FIXTURE OR DEVICE TO REMAIN IN PLACE. REPLACE ANY BROKEN DEVICES OR PLATES; COLOR TO MATCH EXISTING.
- R EXISTING FIXTURE OR DEVICE TO BE REMOVED BY THE ELECTRICAL CONTRACTOR. MAINTAIN CONTINUITY OF REMAINING PORTIONS OF BRANCH CIRCUIT.
- RE EXISTING DEVICE TO BE REMOVED BY THE ELECTRICAL CONTRACTOR. EXISTING CIRCUIT SHALL BE RETAINED. PROVIDE NEW DEVICE AS SHOWN ON RENOVATION PLANS.
- RR EXISTING FIXTURE TO BE RELOCATED BY THE ELECTRICAL CONTRACTOR TO NEW LOCATION SHOWN ON RENOVATION PLAN.

ELECTRICAL DRAWING INDEX

#	SHEET NAME
E0.1	ELECTRICAL NOTES & LEGENDS
E0.2	ELECTRICAL ONE-LINE DIAGRAM & PANELBOARD SCHEDULE
E1.1	LIGHTING PLANS
E2.1	POWER & SYSTEMS PLANS

US21815

BEA BELKA ENGINEERING ASSOCIATES, INC.

CONTACT: CLIFF STRINGFIELD
7 CLUSTERS COURT, SUITE 201 | COLUMBIA, SC | 29210
(803) 731-0650 p | (803) 960-6443 c
CSTRINGFIELD@BEA-Consulting.com

GARVINDESIGNGROUP

803.212.1032 p | 803.212.1074 f
Columbia, SC 29202
P.O. Box 18
1209 Lincoln Street

SEAL

SOUTH CAROLINA PROFESSIONAL ENGINEERING ASSOCIATION
No. 2618
01-27-20
STATE OF SOUTH CAROLINA

PROJECT TITLE
RE-BID: COLISEUM LAUNDRY ROOM FOR BASKETBALL

FP00000296

Carolina Coliseum
701 Assembly St.
Columbia, SC 29208

REVISIONS

NO.	DATE	NAME

DRAWN BY: JUS
CHECKED BY: CES

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ELECTRICAL NOTES & LEGENDS

DRAWING TITLE

PROJECT NO. US21815
DATE 01/27/20
DRAWING NO. **E0.1**

All work on electrical sheets to be priced as Alternate # 2.

1 LIGHTING DEMOLITION PLAN
E1.1 SCALE: 1/4" = 1'-0"

2 LIGHTING RENOVATION PLAN
E1.1 SCALE: 1/4" = 1'-0"

KEY NOTES

- EXISTING EXIT SIGN SHALL BE REMOVED AND REINSTALLED IN THE SAME LOCATION, PENDANT MOUNTED AT APPROXIMATELY 3'-0" BELOW CEILING.
- EXISTING LAUNDRY ROOM LIGHTING FIXTURES SHALL REMAIN, IF LIGHTING CONFLICTS WITH NEW DRYER DUCTS REMOVE OR RELOCATE FIXTURES AS REQUIRED AND DIRECTED BY ARCHITECT.

GENERAL NOTES

- ELECTRICAL CONTRACTOR SHALL RE-USE OR EXTEND EXISTING LIGHTING CIRCUIT(S) THAT SERVED AREA FOR RENOVATION PHASE LIGHTING FIXTURES.

LIGHT FIXTURE PLAN KEY

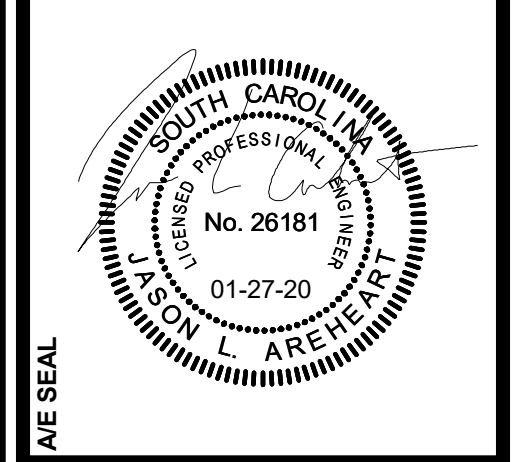
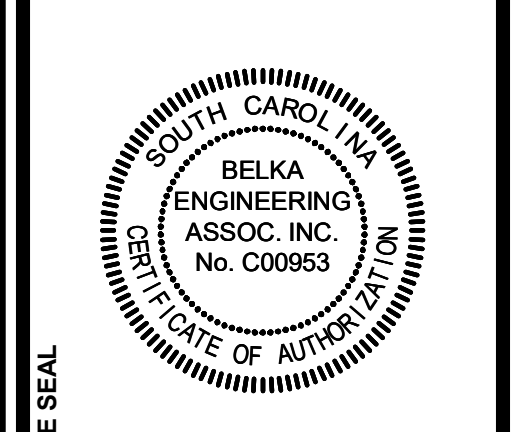
SHADING INDICATES EMERGENCY FIXTURE SUPPLIED WITH EMERGENCY BATTERY PACK

CE = UPPERCASE LETTER / LETTERS INDICATE FIXTURE TYPE
d = LOWERCASE LETTER INDICATES SWITCH IDENTIFICATION
NL or EM = INDICATES NON SWITCHED "NIGHT LIGHT" / "EMERGENCY"
A-2 = DESIGNATES PANEL NAME - CIRCUIT NUMBER

NOTE:
ALL "EM" FIXTURES INDICATED IN PLAN CONTAIN EMERGENCY BALLASTS. ALL EMERGENCY BALLAST FIXTURES REQUIRE AN EXTRA CONSTANT POWER CONDUCTOR TO BE CONNECTED TO THE EMERGENCY BALLAST FOR CHARGING. CONDUCTOR MUST NOT BE CONTROLLED BY ANY LIGHTING SYSTEM OR HAVE POWER INTERRUPTED AT ANY TIME. "NL" FIXTURES SHALL HAVE ABSOLUTELY NO LIGHTING CONTROL & SHALL BE OPERATIONAL AT ALL TIMES.

IN BOTH CASES "EM" & "NL" WHERE UTILITY POWER SHOULD FAIL, FIXTURES SHALL REMAIN OPERATIONAL FOR A MINIMUM 90 MINUTES @ 1400 LUMENS.

BEA BELKA ENGINEERING ASSOCIATES, INC.
CONTACT: CLIFF STRINGFIELD
7 CLUSTERS COURT, SUITE 201 | COLUMBIA, SC | 29210
(803) 731-0650 p | (803) 960-6443 c
CSTRINGFIELD@BEA-Consulting.com



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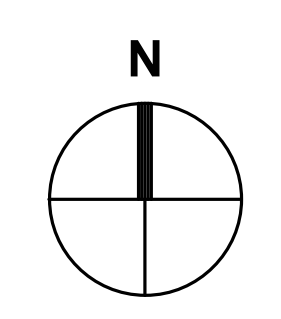
DRAWN BY: JJS
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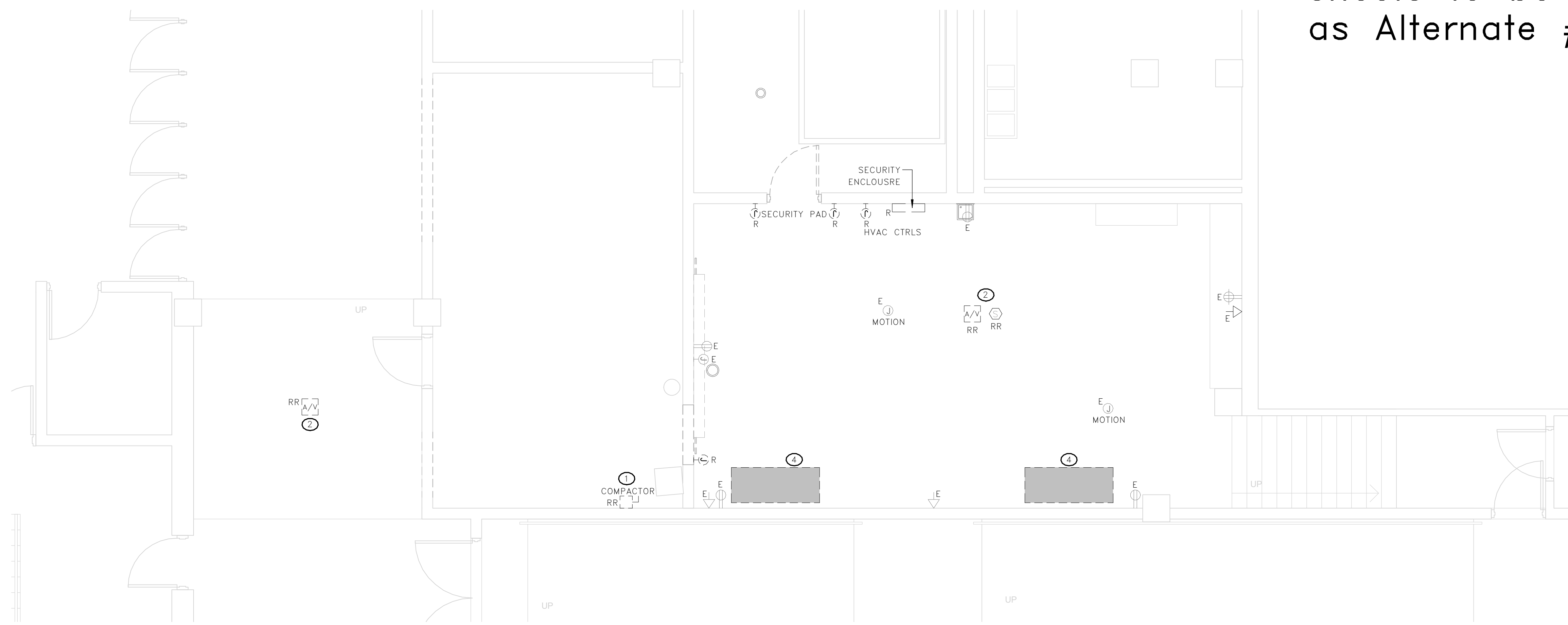
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DRAWING TITLE
LIGHTING PLANS

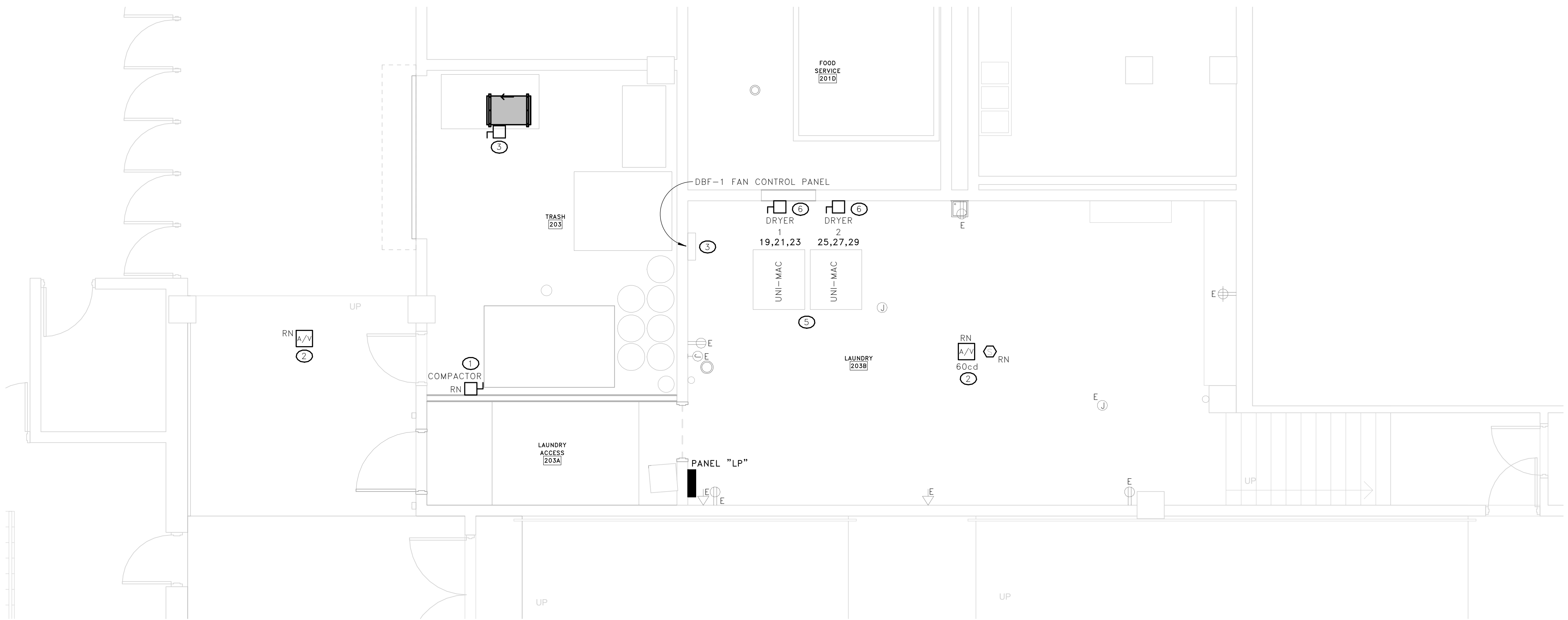
PROJECT NO. U50118
DATE 01.27.20
DRAWING NO. E1.1

1/27/2020 10:18:33 AM





1 POWER/SYSTEMS DEMOLITION PLAN
E2.1 SCALE: 1/4" = 1'-0"



2 POWER/SYSTEMS RENOVATION PLAN
E2.1 SCALE: 1/4" = 1'-0"

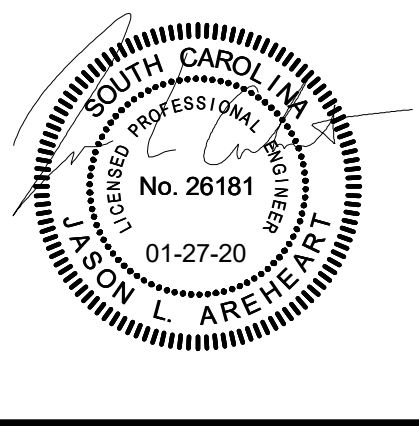
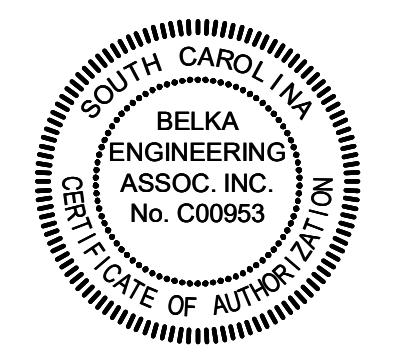
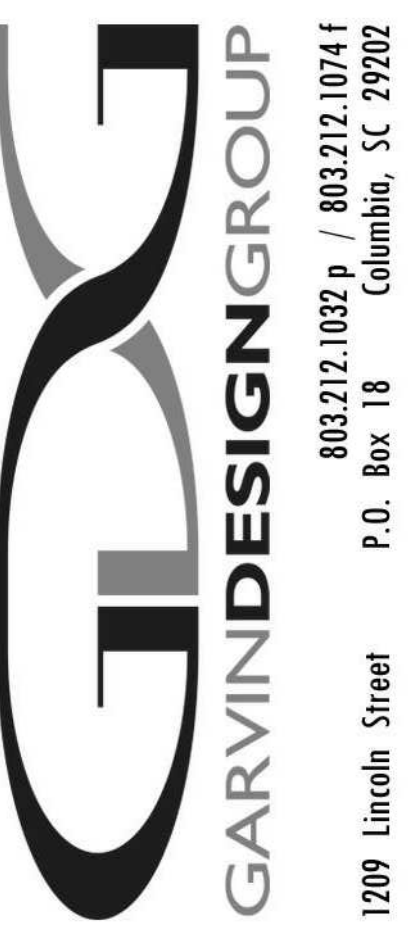
All work on electrical sheets to be priced as Alternate # 2.

KEY NOTES

- COORDINATE RELOCATION OF EXISTING TRASH COMPACTOR WITH OWNER AND ARCHITECT BEFORE ROUGH-IN. MODIFY AND EXTEND EXISTING BRANCH CIRCUIT AS REQUIRED.
- ELECTRICAL CONTRACTOR SHALL RELOCATE INDICATING DEVICE SUCH THAT IT IS NOT COVERED/CONCEALED BY DUCT WORK.
- ELECTRICAL CONTRACTOR SHALL PROVIDE A 25 AMP, 208 VOLT, SINGLE PHASE CIRCUIT BREAKER IN EXISTING PANEL "LB" TO SERVE THIS UNIT (SEE ELECTRICAL OVERALL PLAN ON SHEET E0.1 FOR LOCATION OF PANEL). ELECTRICAL CONTRACTOR SHALL COORDINATE AVAILABLE SPACE AND CIRCUITS WITH OWNER'S RESIDENT ELECTRICIAN IN EXISTING PANEL "LB". ELECTRICAL CONTRACTOR SHALL FEED THIS UNIT WITH 2-#10, 1-#10 GROUND IN 3/4" CONDUIT. ELECTRICAL CONTRACTOR SHALL TURN OVER ANY BREAKERS REMOVED FROM PANEL "LB" TO MAKE ROOM FOR 25 AMP BREAKER. ELECTRICAL CONTRACTOR SHALL FEED CONTROL PANEL AND PROVIDE INTERCONNECTING WIRING FROM CONTROL PANEL TO DBF-1.
- EXISTING EQUIPMENT TO REMAIN IN PLACE.
- PROVIDE BRANCH CIRCUITS FROM PANEL "LP" (SEE PANEL SCHEDULE ON DWG. E0.2 & EQUIPMENT CONNECTION SCHEDULE ON DWG E0.1).
- PROVIDE DRYER DISCONNECT SWITCHES COORDINATING LOCATION & ACCESSIBILITY WITH DRYER EXHAUST DUCTWORK.

GENERAL NOTES

- ELECTRICAL DEVICES ON THIS SHEET SHALL BE CIRCUITED FROM PANEL "LP" WITH CIRCUIT NUMBER SHOWN, UNLESS INDICATED OTHERWISE.



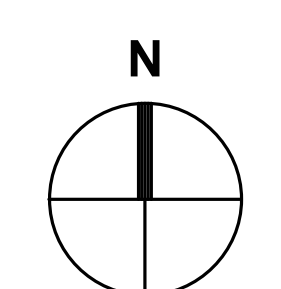
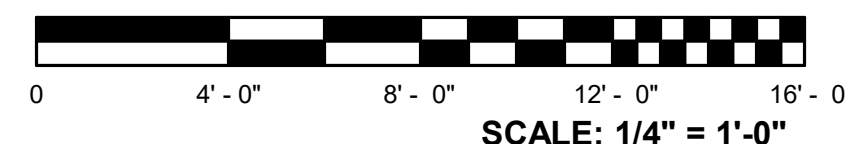
PROJECT TITLE
RE-BID: COLISEUM LAUNDRY ROOM FOR BASKETBALL
FP00000296
Carolina Coliseum
701 Assembly St.
Columbia, SC 29208

NO.	REVISIONS	NAME	DATE

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DRAWING TITLE
POWER & SYSTEMS PLANS

PROJECT NO. U50118
DATE 01/27/20
DRAWING NO. **E2.1**



CONTACT: CLIFF STRINGFIELD
7 CLUSTERS COURT, SUITE 201 | COLUMBIA, SC | 29210
(803) 731-0650 p | (803) 960-6443 c
CSTRINGFIELD@BEA-Consulting.com