

SPARTANBURG SCHOOL DISTRICT FIVE JAMES F. BYRNES HIGH SCHOOL PHASE 2 DEMOLITION

150 E. MAIN STREET
DUNCAN, SC 29334

Issue Date/ Description: 01/31/22 GMP DEMO SET
MPS Project No: 020420.00
Agency Review ID:

OWNER

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MR. TREY BLACKWOOD, PE

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MR. SHANE BULMAN, PE

MECHANICAL

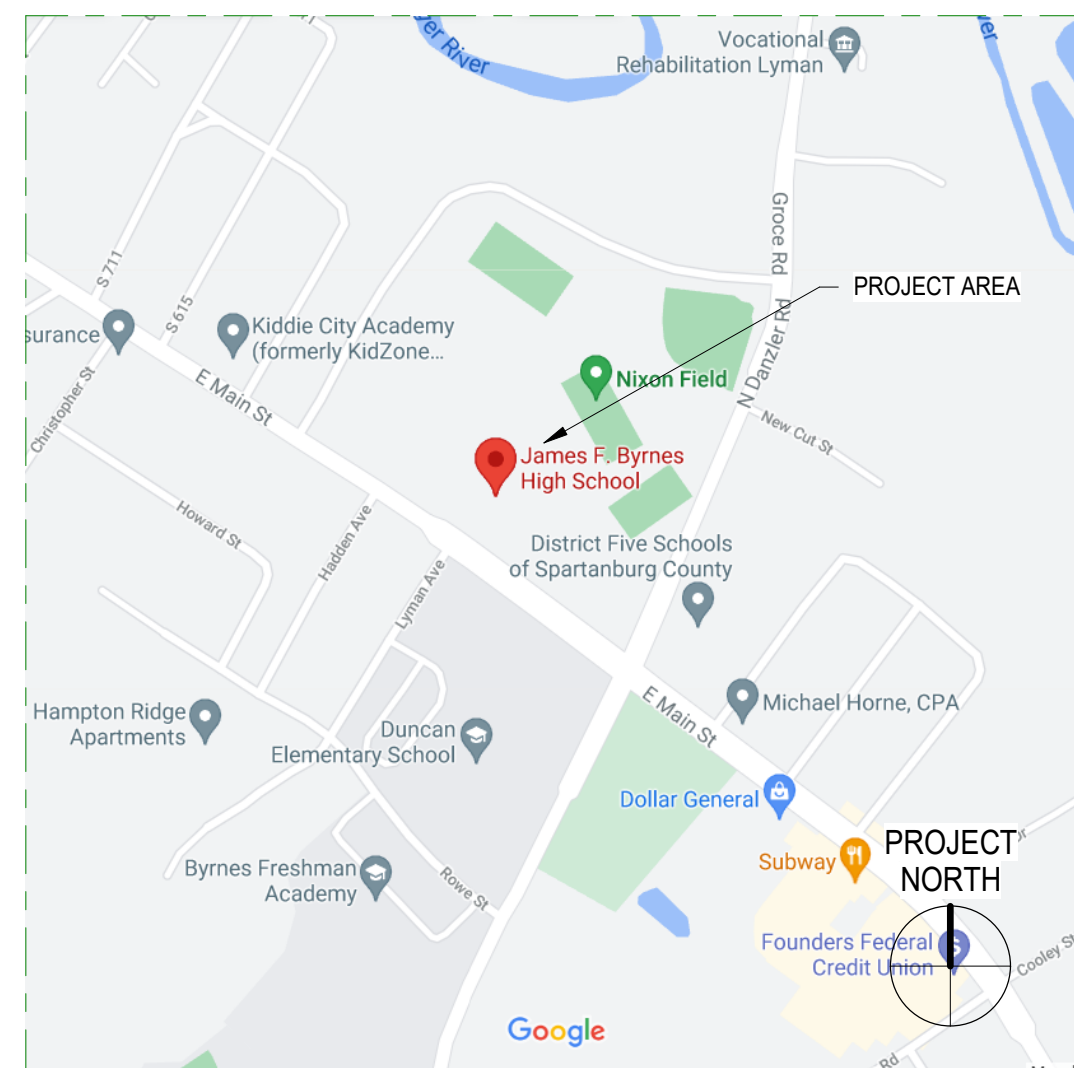
CROW & BULMAN ENGINEERING
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MR. SHANE BULMAN, PE

ELECTRICAL

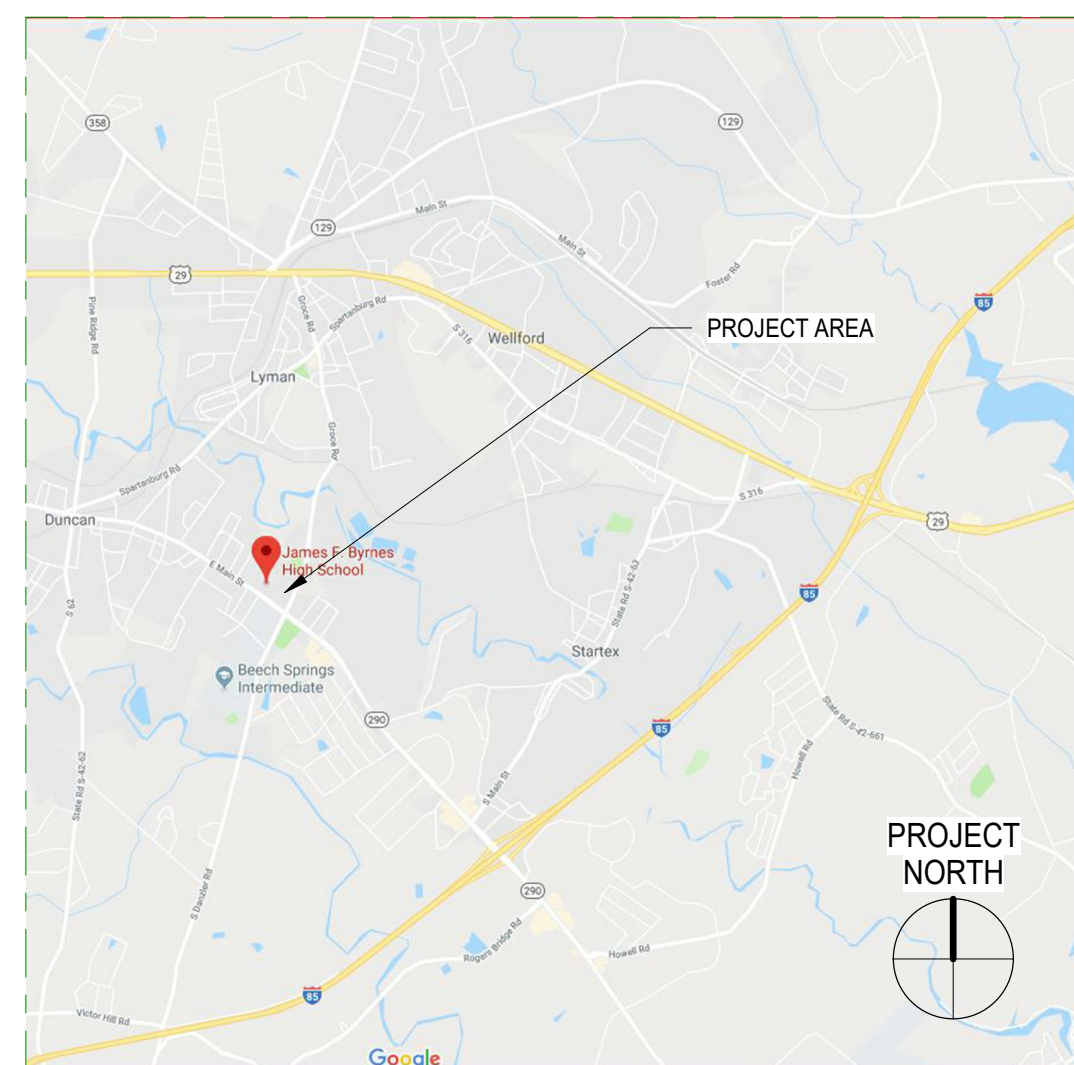
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MR. WARREN MADDOX, PE



SITE MAP



VICINITY MAP

DRAWING LIST

GENERAL

AD-G001	PHASE 2 DEMOLITION - COVER SHEET
AD-L100	PHASE 2 DEMOLITION - LIFESAFETY OVERALL SITE PLAN
AD-L120	PHASE 2 DEMOLITION - LIFE SAFETY NEW CONSTRUCTION PLAN
AD-L121	PHASE 2 DEMOLITION - SIDEWALK AND FENCING PLAN
AD-L200	PHASE 2 DEMOLITION - CODE SUMMARY
AD-L201	PHASE 2 DEMOLITION - OSF FORM F3 -BLDG CODE ANALYSIS
AD-L202	PHASE 2 DEMOLITION - PORTABLE LAYOUTS

CIVIL

CD1.1	EXISTING CONDITIONS
CD1.2	SITE DEMOLITION PLAN
CD1.3	PORTABLE SITE PLAN
CD2.1	SITE PLAN
CD4.1	SITE DETAILS
CD4.2	SITE DETAILS

ARCHITECTURAL

AD303	PHASE 2 DEMOLITION - PARTITION TYPES
AD100	PHASE 2 DEMOLITION - OVERALL EXISTING SITE PLAN
AD110	PHASE 2 DEMOLITION - ENLARGED DEMOLITION EXTENTS
AD111	PHASE 2 DEMOLITION - ENLARGED MISC. DEMOLITION PLANS
AD120	PHASE 2 DEMOLITION - NEW CONSTRUCTION PLAN
AD121	PHASE 2 DEMOLITION - ENLARGED MISC. NEW CONSTR. PLANS
AD130	PHASE 2 DEMOLITION - NEW CONSTRUCTION ROOF PLAN
AD330	PHASE 2 DEMOLITION - WALL SECTIONS
AD331	PHASE 2 DEMOLITION - WALL SECTIONS
AD332	PHASE 2 DEMOLITION - WALL SECTIONS
AD333	PHASE 2 DEMOLITION - WALL SECTIONS
AD334	PHASE 2 DEMOLITION - WALL SECTIONS
AD400	PHASE 2 DEMOLITION - MEDIA CTR. VEST. PLANS AND DETAILS
AD401	PHASE 2 DEMOLITION - CANOPY PLANS, SECTION & DETAILS
AD500	PHASE 2 DEMOLITION - PLAN DETAILS
AD501	PHASE 2 DEMOLITION - PLAN DETAILS
AD610	PHASE 2 DEMOLITION - SECTION DETAILS
AD800	PHASE 2 DEMOLITION - DOOR SCHEDULE, TYPES AND DETAILS

STRUCTURAL

SD100	1000 LEVEL DEMOLITION PLAN
SD101	DEMOLITION DETAILS

PLUMBING

PD300	PLUMBING SPECIFICATIONS & PORTABLE PLAN
PD100	MAIN LEVEL PLUMBING DEMO PLAN

MECHANICAL

MD100	MAIN LEVEL HVAC OVERALL PLAN
MD101	MAIN LEVEL HVAC DEMOLITION PLAN
MD201	GROUND LEVEL HVAC UTILITY RELOCATION PLAN
MD202	MAIN LEVEL HVAC UTILITY RELOCATION PLAN
MD203	HVAC DETAILS & SCHEDULES

ELECTRICAL

ED101	ELECTRICAL SYMBOLS AND SPECIFICATIONS
ED201	PORTABLE ELECTRICAL PLAN
ED202	CORRIDOR DEMOLITION ELECTRICAL PLAN
ED301	OVERALL DEMO PWR PLAN - AREA 'A'
ED302	OVERALL DEMO PWR PLAN - AREA 'B'
ED401	SPECIAL SYSTEMS DEMOLITION PLAN-EAST
ED402	SPECIAL SYSTEMS DEMOLITION PLAN-WEST
ED403	SPECIAL SYSTEMS PLAN - EAST
ED404	SPECIAL SYSTEMS PLAN - WEST
ED405	PARTIAL OVERALL SITE DATA PLAN - EAST
ED406	PARTIAL OVERALL SITE DATA PLAN - WEST
ED407	PARTIAL OVERALL SITE FIRE ALARM PLAN - EAST
ED408	PARTIAL OVERALL SITE FIRE ALARM PLAN - WEST
ED409	PARTIAL OVERALL SITE INTERCOM PLAN - EAST
ED410	PARTIAL OVERALL SITE INTERCOM PLAN - WEST
ED510	EXISTING BLDG. PARTIAL DATA RISER
ED511	EXISTING BLDG. PARTIAL FIRE ALARM AND INTERCOM RISER

SPARTANBURG SCHOOL DISTRICT FIVE
JAMES F. BYRNES HIGH SCHOOL
PHASE 2 DEMOLITION

150 E. MAIN STREET
DUNCAN, SC 29334

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
B	12/15/21	DD DEMO	MLC
C	01/31/22	GMP DEMO SET	MLC

NOT FOR CONSTRUCTION
FOR PRICING ONLY

GMP DEMO SET	01/31/22
PRINCIPAL IN CHARGE:	MLC
PROJECT ARCHITECT:	RPC
DRAWN BY:	PS

SHEET TITLE:
PHASE 2 DEMOLITION
- COVER SHEET

SHEET NO.	PROJ. NO.
	020420.00

AD-G001

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
B	12/15/21	DD DEMO	MLC
C	01/31/22	GMP DEMO SET	MLC

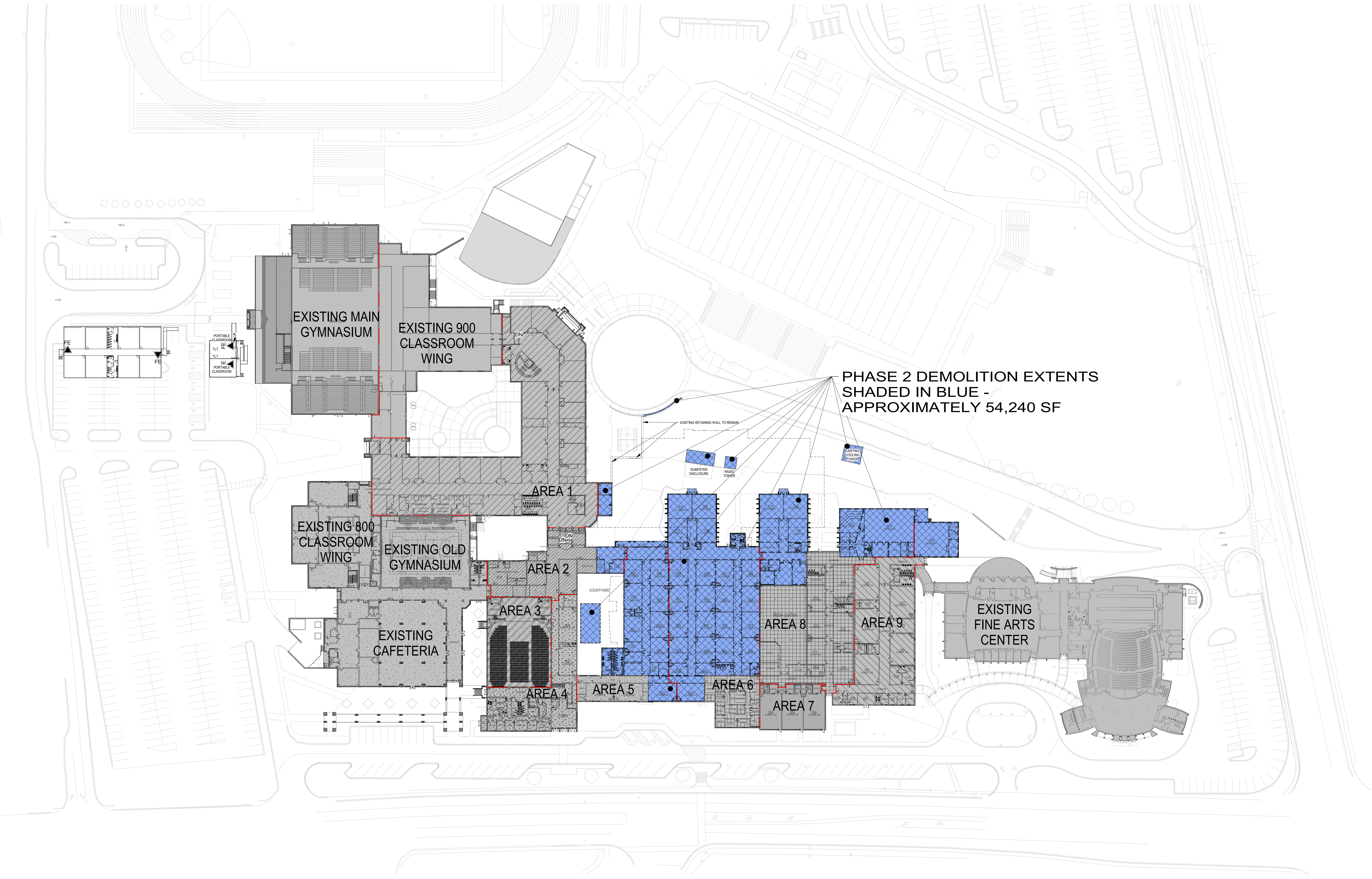
NOT FOR CONSTRUCTION
FOR PRICING ONLY

GMP DEMO SET	01/31/22
PRINCIPAL IN CHARGE:	MLC
PROJECT ARCHITECT:	RPC
DRAWN BY:	BD

SHEET TITLE:
**PHASE 2 DEMOLITION
- LIFESAFETY
OVERALL SITE PLAN**

SHEET NO.	PROJ. NO. 020420.00
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AD-LS100

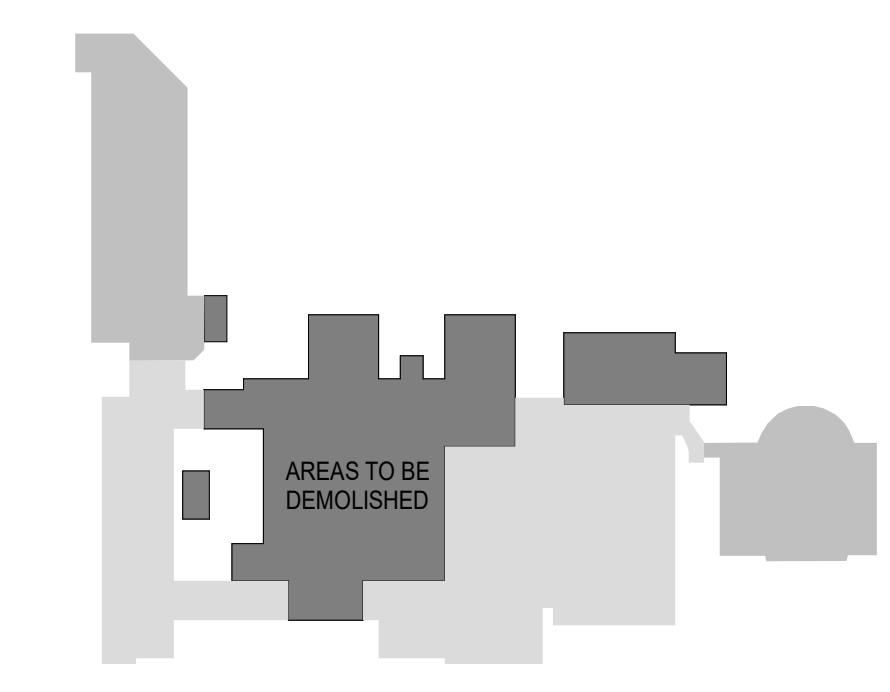


B1 PHASE 2 DEMOLITION - LIFESAFETY OVERALL SITE AND FLOOR PLAN
AD-LS100 1" = 50'-0"

LIFE SAFETY LEGEND

- EXISTING BUILDING TO REMAIN
- GENERAL CONTRACTOR TO DEMOLISH EXISTING BUILDING IN AREAS INDICATED BY HATCH. WHERE A WALL TO BE REMOVED ABUTS AN EXISTING WALL THAT REMAINS, CLEAN MORTAR FROM EXISTING WALL. REMOVE ALL ANCHORS AND SUPPORTS AND REPLACE ANY MASONRY UNITS THAT ARE DAMAGED. POINT UP ALL JOINTS SO THAT FINISHED WALL DOES NOT SHOW EVIDENCE OF OLD JOINT. DO NOT REMOVE WALLS AT BORDER OF HATCH.
- LOCATION OF EXISTING 3-HR AND/OR 4-HR FIREWALLS

KEY PLAN



SPARTANBURG SCHOOL DISTRICT FIVE
JAMES F. BYRNES HIGH SCHOOL
PHASE 2 DEMOLITION

150 E. MAIN STREET
DUNCAN, SC 29504

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
B	12/15/21	DD DEMO	MLC
C	01/31/22	GMP DEMO SET	MLC

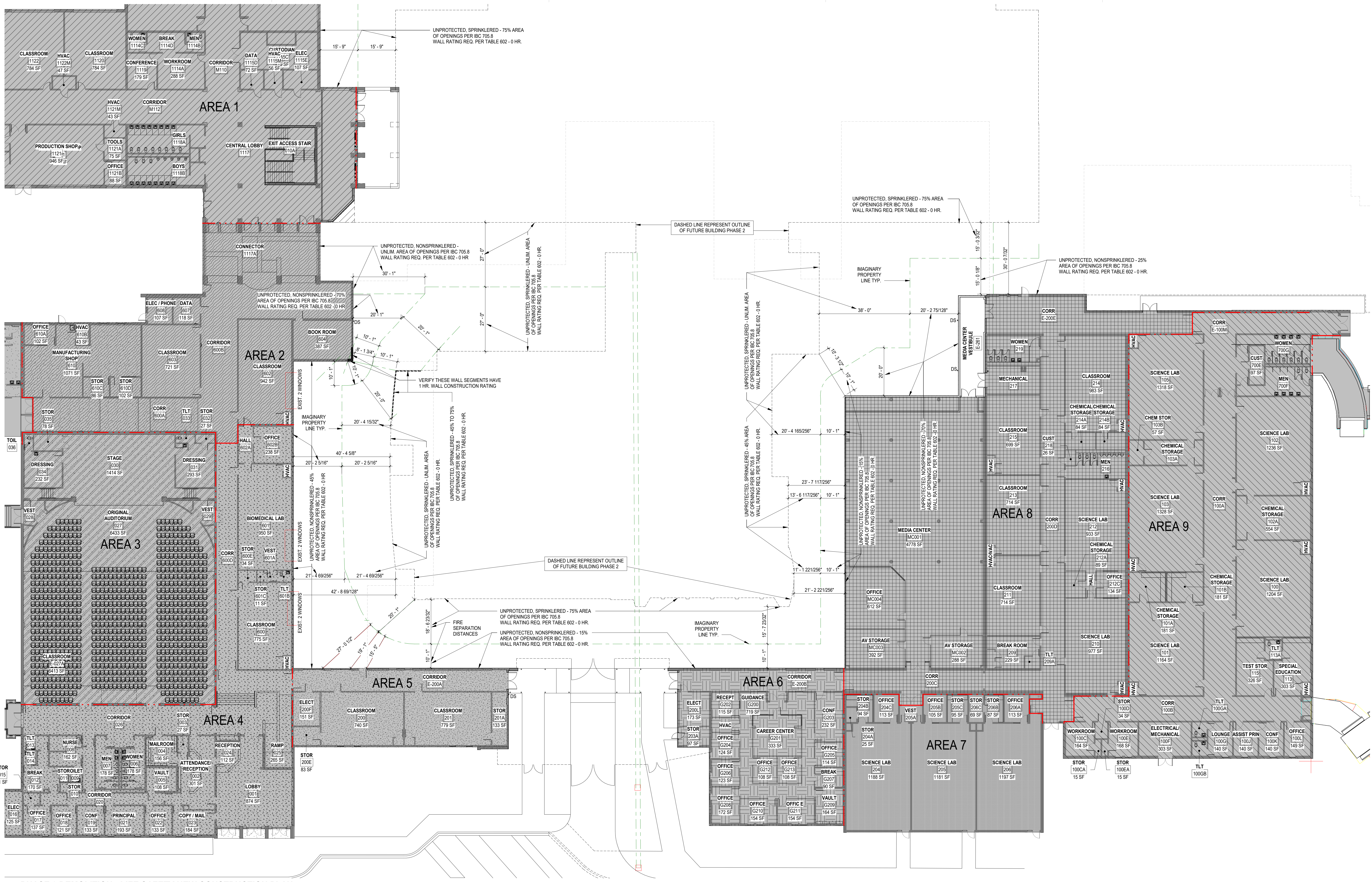
NOT FOR CONSTRUCTION
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GMP DEMO SET 01/31/22
PRINCIPAL IN CHARGE: MLC
PROJECT ARCHITECT: RPC
DRAWN BY: PS

SHEET TITLE:
PHASE 2 DEMOLITION
- LIFE SAFETY NEW
CONSTRUCTION PLAN

SHEET NO. PROJ. NO.
020420.00

AD-LS120



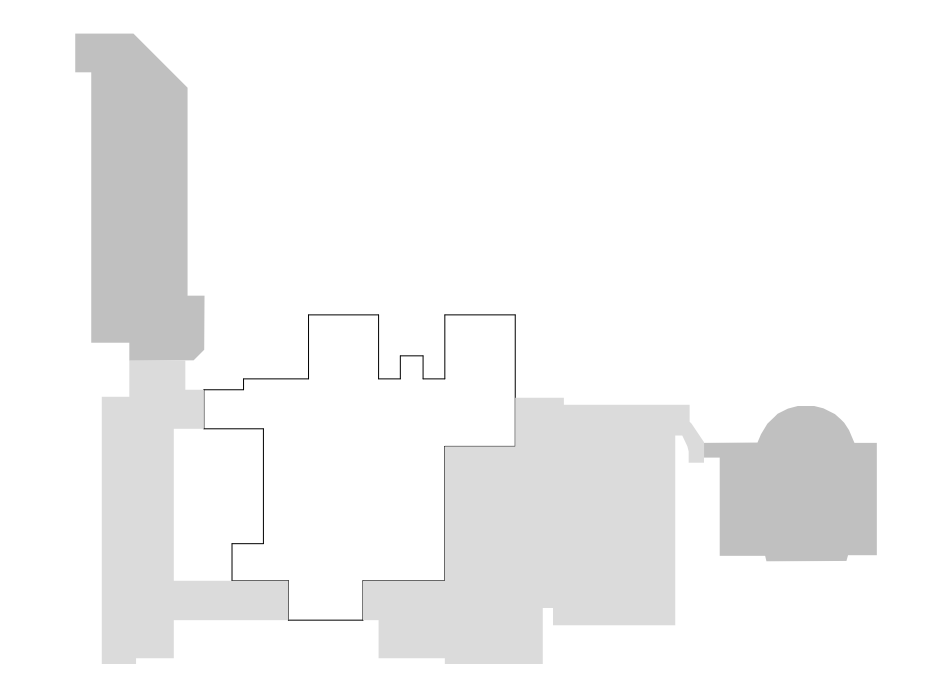
B1 PHASE 2 DEMOLITION - LIFE SAFETY NEW CONSTRUCTION PLAN
AD-LS120 1/16" = 1'-0"

DEMO LIFE SAFETY NOTES

LIFE SAFETY LEGEND

- EXISTING BUILDING
- LOCATION OF EXISTING 3-HR AND/OR 4-HR FIREWALLS

KEY PLAN



SPARTANBURG SCHOOL DISTRICT FIVE
JAMES F. BYRNES HIGH SCHOOL
PHASE 2 DEMOLITION

150 E. MAIN STREET
DUNCAN, SC 29534

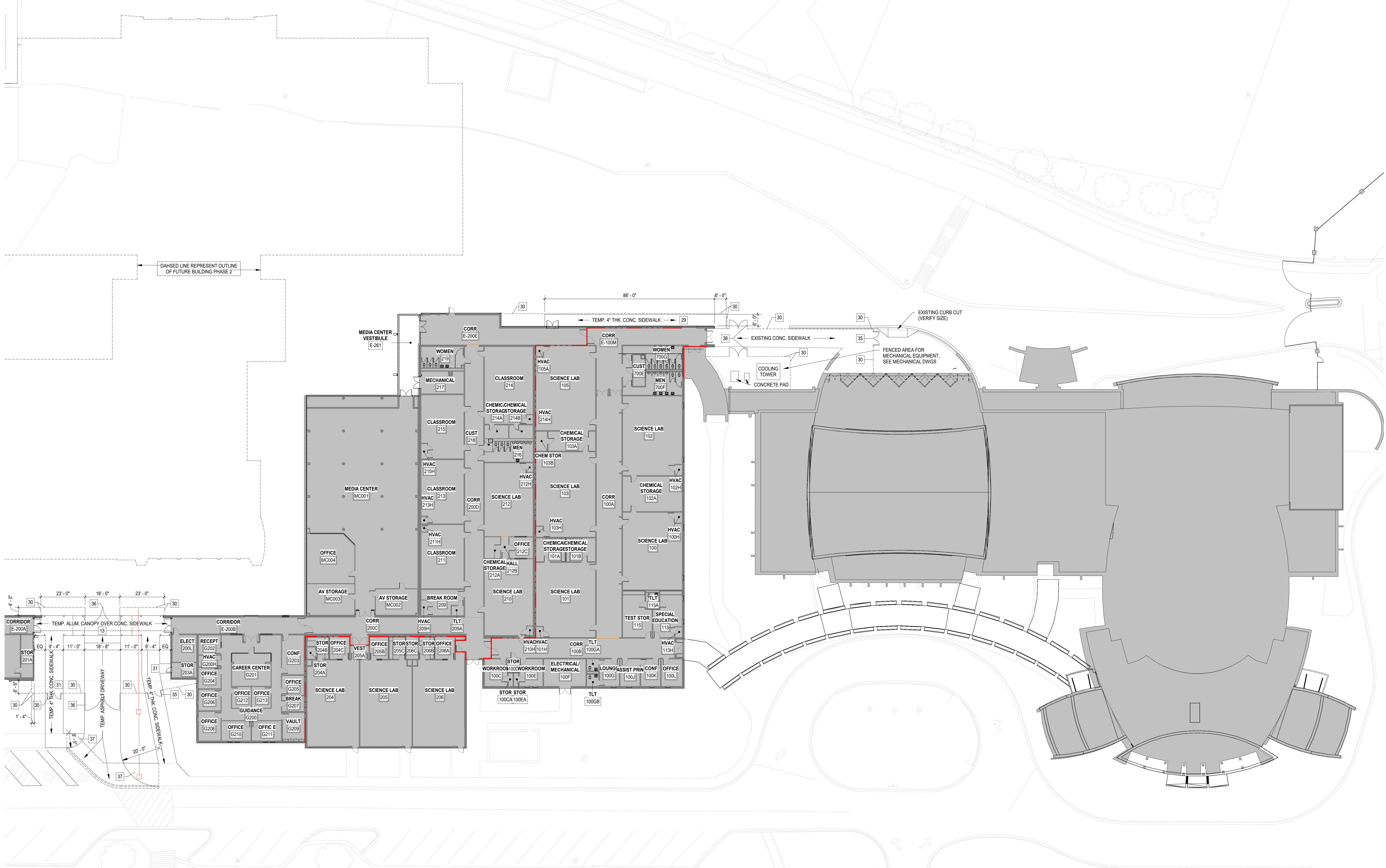
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NOT FOR CONSTRUCTION
FOR PRICING ONLY

PRINCIPAL IN CHARGE:
PROJECT ARCHITECT:
DRAWN BY:
SHEET TITLE: **PHASE 2 DEMOLITION - SIDEWALK AND FENCING PLAN**
APPROVER:
CHECKER:
AUTHOR:

SHEET NO. **AD-LS121** PROJ. NO. 020420.00

AD-LS121

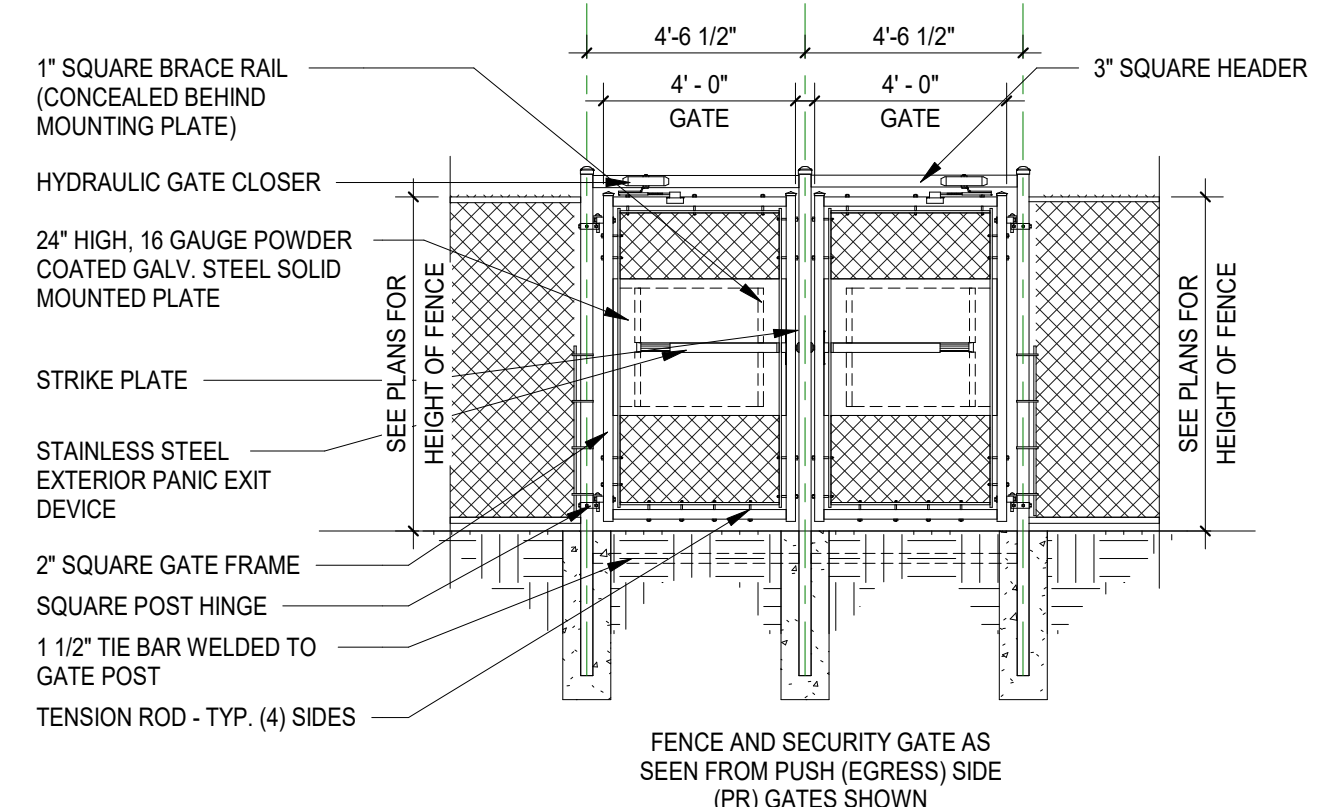


B1 PHASE 2 DEMOLITION - LIFE SAFETY NEW CONSTRUCTION PLAN - ENLARGED SIDEWALK AND FENCING PLAN
AD-LS121 1" = 20'-0"

GENERAL NEW CONSTRUCTION KEYNOTES FOR DEMOLITION PHASE

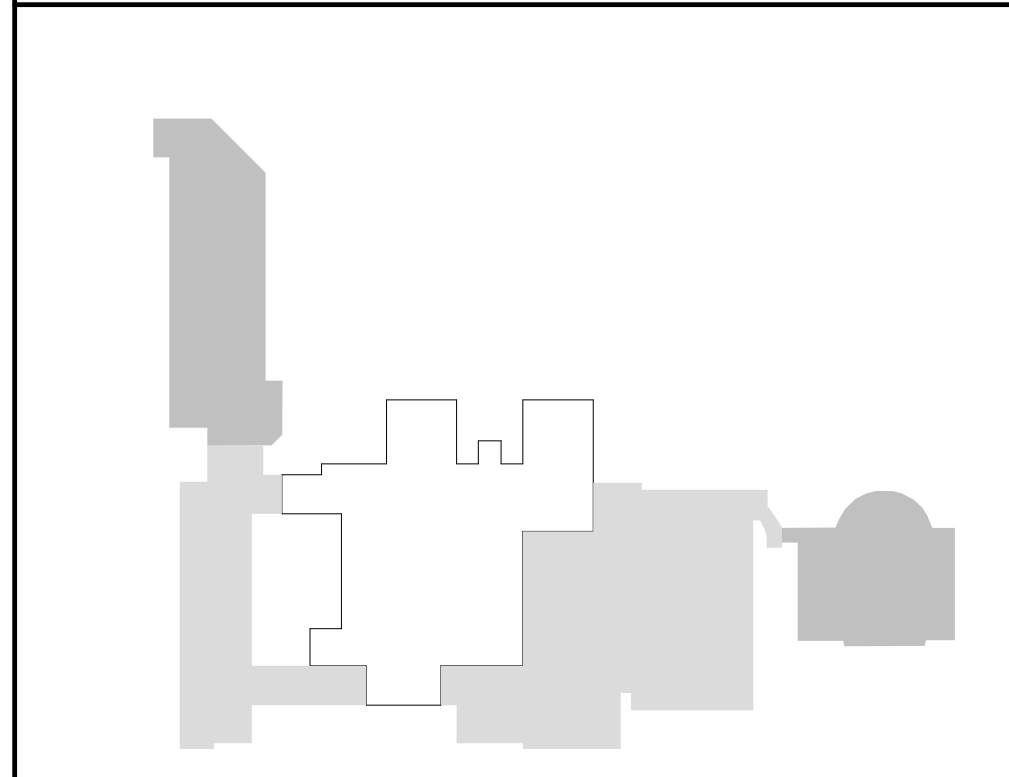
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|--|--|
| 1 WRAP EXISTING ROOF MEMBRANE OVER TOP OF REMAINING WALL WITH NEW PRESSURE TREATED BLOCKING AND FOAMED-IN-PLACE INSULATION AND ADD NEW METAL PARAPET CAP. SEE B1AD130. | 15 KEEP DOOR LOCKED DURING DEMOLITION AND CONSTRUCTION. ADD SIGN TO DOOR SAYING "THIS IS NOT AN EXIT." |
| 2 WRAP EXISTING ROOF MEMBRANE OVER NEW PRESSURE TREATED WOOD BLOCKING AND FOAMED-IN-PLACE INSULATION AT EDGE OF ROOF AND ADD NEW METAL GRAVEL STOP. SEE B1AD130. | 16 REPLACE EXISTING DOOR AND FRAME WITH NEW DOOR AND FRAME. SEE DOOR SCHEDULE. |
| 3 INSTALL NEW EXIT SIGN ABOVE DOOR. | 17 REMOVE PEDESTAL PAVEMENT SYSTEM (INCLUDING RIGID INSULATION, WATERPROOFING MEMBRANE, FLOOR DRAINS, ETC), COORDINATE REMOVAL WITH NEW CONSTRUCTION. |
| 4 INFILL EXISTING OPENING WITH METAL STUD, EXTERIOR SHEATHING AND FOAMED-IN-PLACE INSULATION WITH 5/8" TYPE X GYP BOARD (2 LAYERS) ON THE INTERIOR. PAINT GYP BOARD COLOR SELECTED BY ARCHITECT. PATCH/REPAIR EXISTING FLOOR FINISH. | 18 INSTALL NEW DOOR FRAME AND SALVAGED DOORS, ROTATE 180 DEGREES FROM ORIGINAL POSITION. |
| 5 PREPARE EXISTING WALL AS NEEDED AND APPLY FOAMED-IN-PLACE INSULATION TO EXISTING WALL. | 19 COORDINATE UNDERGROUND/TRENCHING WITH MECHANICAL, PLUMBING AND ELECTRICAL DWGS. |
| 6 INSTALL NEW DOOR AND FRAME. SEE DOOR SCHEDULE. | 20 REPAIR/PATCH TO MATCH EXISTING FLOOR. |
| 7 INSTALL ADDITIONAL METAL STUD BETWEEN EXISTING STUDS AND NEW EXTERIOR SHEATHING (2 LAYERS) AND FOAMED-IN-PLACE INSULATION. COORDINATE WITH DETAILS A2 AND A4AD333. | 21 REPAIR/EXTEND/ATTACH EXISTING CEILING GRID AND TILE SYSTEM AT FACE OF NEW WALL. |
| 8 INSTALL NEW WALLS (INTERIOR AND EXTERIOR). COORDINATE WITH DETAILS A2 AND A4AD333. | 22 COORDINATE ROUTING OF NEW UTILITIES ON ROOF WITH MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. |
| 9 INSTALL NEW GUTTER AND DOWNSPOUTS FOR LENGTH OF WALL. | 23 PROVIDE WEATHER PROOF CAP AT TOP OF BRICK PIER TO PROTECT EXISTING SPACES ADJACENT OR BELOW PIER. SEE DETAIL C4AD610. |
| 10 INSTALL NEW WALL FROM FLOOR TO CEILING TO SEPARATE EXISTING CONSTRUCTION FROM DEMOLITION AND FUTURE CONSTRUCTION. COORDINATE STUD SIZE WITH WALL TAG. | 24 DISCONNECT AND COVER EXISTING EXIT SIGN ON THIS SIDE OF WALL. |
| 11 PROVIDE WEATHER PROOF CAP AT TOP OF MODIFIED BRICK PIER TO PROTECT EXISTING SPACES ADJACENT OR BELOW PIER. SEE DETAIL C4AD610. | 25 INSTALL NEW GYP BOARD WALL (SC-3). ALIGN OUTSIDE FACE OF GYP BOARD WITH THE EDGE OF SOFFIT ABOVE. |
| 12 COORDINATE DEMOLITION OF DOORS AND WINDOWS AND INSTALLATION OF 3-HR RATED WALL CONSTRUCTION WITH NEW CONSTRUCTION. | 26 REPAIR/RECONSTRUCT WALL TO MATCH EXISTING CONSTRUCTION AFTER NEW STEEL COLUMN CONNECTION IS COMPLETE. |
| 13 INSTALL NEW SIDEWALK BETWEEN ENTRANCES. | 27 AT EXISTING ROOF DRAINS, DETERMINE THE ROUTING OF LEADERS AND MAKE SURE THEY ARE NOT PART OF THE DEMOLITION. IF THEY ARE PART OF THE DEMOLITION, THE LEADERS WILL NEED TO BE REROUTED WITHIN THE EXISTING CONSTRUCTION THAT REMAINS, COORDINATE WITH ARCHITECT. |
| 14 INSTALL NEW CANOPY BETWEEN ENTRANCES. SEE A3AD401. | 28 AT EXISTING GUTTER INSTALL NEW DOWNSPOUT TO GRADE. |

- | |
|---|
| 29 INSTALL 6'-0" WIDE SIDEWALK ALONG BUILDING TO CONNECT TO EXISTING SIDEWALK. |
| 30 INSTALL 6'-0" HIGH CHAIN LINK FENCE FOR LENGTH OF SIDE WALK TO SEPARATE EGRESS PATH FROM CONSTRUCTION. |
| 31 INSTALL SIDEWALK, COORDINATE WITH CIVIL DRAWINGS. |
| 32 PROVIDE 1-HOUR RATED ACCESS DOORS (2'-0" x 3'-0") IN THE WALL. |
| 33 PROVIDE 1-HOUR RATED ACCESS DOORS (2'-0" x 2'-0") IN THE GYP BOARD CEILING. |
| 34 FRAME A KNOCK OUT PANEL IN STUD WALL TO BE REMOVED WHEN RECESS BUILT FOR DOORS. |
| 35 INSTALL (2) NEW 6'-0" TALL x 3'-0" WIDE CHAIN LINK FENCE GATES WITH PANIC BARS. SEE A4AD-LS121. |
| 36 INSTALL (2) NEW 6'-0" TALL x 9'-0" WIDE CHAINLINK FENCE GATES. |
| 37 INSTALL NEW CURB CUT. SEE CIVIL DRAWINGS. |
| 38 INSTALL (2) NEW 6'-0" TALL x 4'-0" WIDE CHAINLINK FENCE GATES. |



A4 FENCE GATE ELEVATION
AD-LS121 1/4" = 1'-0"

KEY PLAN



NOT FOR CONSTRUCTION
FOR PRICING ONLY

EXISTING FIRE AREA 1

PHASE 1 CLASSROOM WING BUILT 2015
CODE: BUILT UNDER 2012 IBC AND IBC

CONSTRUCTION CLASSIFICATION:
TYPE IIB (NON-PROTECTED) SPRINKLERED

OCCUPANCY: GROUP E - EDUCATIONAL
ALLOWABLE AREA PER FLOOR: 43,500 SF
ACTUAL MAXIMUM AREA PER FLOOR: 39,553 SF

WALL RATINGS:
EXIT ACCESS CORRIDORS: 0
FIRE SEPARATION: 3-HR

RATING OF STRUCTURAL MEMBERS:
EXTERIOR WALL (BEARING): 0
EXTERIOR WALL (NON-BEARING): 0
FLOOR/CEILING: 0
ROOF/CEILING: 0
BEAMS SUPPORTING ONE FLOOR: 0
BEAMS SUPPORTING ROOF ONLY: 0
COLUMNS: 0
INTERIOR WALLS (BEARING): 0
INTERIOR WALLS (NON-BEARING): 0
FIREWALLS: 3

EXISTING FIRE AREA 2

ORIGINALLY BUILT IN 1953
CODE: RENOVATED UNDER 1991 SBC WITH 1992 & 1993 REVISIONS & RENOVATED UNDER 2012 IBC AND IBC IN 2015

ORIGINAL CONSTRUCTION CLASSIFICATION:
TYPE IV UNPROTECTED UNSPRINKLERED
(2018 IBC - TYPE IIB (NON-PROTECTED) NOT SPRINKLERED)

OCCUPANCY: GROUP E - EDUCATIONAL
ALLOWABLE AREA: 14,500 SF
ACTUAL AREA: 8139 SF

WALL RATINGS:
EXIT ACCESS CORRIDORS: 1-HR
FIRE SEPARATION: 3-HR & 4-HR

RATING OF STRUCTURAL MEMBERS:
EXTERIOR WALL (BEARING): NC
EXTERIOR WALL (NON-BEARING): NC
FLOOR/CEILING: NC
ROOF/CEILING: NC
BEAMS SUPPORTING ONE FLOOR: NC
BEAMS SUPPORTING ROOF ONLY: NC
COLUMNS: NC
INTERIOR WALLS (BEARING): NC
INTERIOR WALLS (NON-BEARING): NC
FIREWALLS: 3-HR & 4-HR

EXISTING FIRE AREA 3

ORIGINALLY BUILT IN 1953
CODE: SBC - UNKNOWN EDITION

CONSTRUCTION CLASSIFICATION:
NON-COMBUSTIBLE UNSPRINKLERED

OCCUPANCY: GROUP E - EDUCATIONAL
ALLOWABLE AREA (CURRENT CODE): 14,500 SF
ACTUAL AREA: 9,019 SF

WALL RATINGS:
EXIT ACCESS CORRIDORS: NC
FIRE SEPARATION: 4

RATING OF STRUCTURAL MEMBERS:
EXTERIOR WALL (BEARING): NC
EXTERIOR WALL (NON-BEARING): NC
FLOOR/CEILING: NC
ROOF/CEILING: NC
BEAMS SUPPORTING ONE FLOOR: NC
BEAMS SUPPORTING ROOF ONLY: NC
COLUMNS: NC
INTERIOR WALLS (BEARING): NC
INTERIOR WALLS (NON-BEARING): NC
FIREWALLS: 4

EXISTING FIRE AREA 4

ORIGINALLY BUILT IN 1953
CODE: SBC - UNKNOWN EDITION

CONSTRUCTION CLASSIFICATION:
NON-COMBUSTIBLE UNSPRINKLERED

OCCUPANCY: GROUP E - EDUCATIONAL
ALLOWABLE AREA: 12,000 SF
ACTUAL AREA: 10,169 SF

WALL RATINGS:
EXIT ACCESS CORRIDORS: NC
FIRE SEPARATION: 4

RATING OF STRUCTURAL MEMBERS:
EXTERIOR WALL (BEARING): NC
EXTERIOR WALL (NON-BEARING): NC
FLOOR/CEILING: NC
ROOF/CEILING: NC
BEAMS SUPPORTING ONE FLOOR: NC
BEAMS SUPPORTING ROOF ONLY: NC
COLUMNS: NC
INTERIOR WALLS (BEARING): NC
INTERIOR WALLS (NON-BEARING): NC
FIREWALLS: 4

EXISTING FIRE AREA 5

ORIGINALLY BUILT IN 1953
CODE: SBC - UNKNOWN EDITION

CONSTRUCTION CLASSIFICATION:
NON-COMBUSTIBLE UNSPRINKLERED

OCCUPANCY: GROUP E - EDUCATIONAL
ALLOWABLE AREA (CURRENT CODE): 14,500 SF
ACTUAL AREA: 2,991 SF

WALL RATINGS:
EXIT ACCESS CORRIDORS: NC
FIRE SEPARATION: 4

RATING OF STRUCTURAL MEMBERS:
EXTERIOR WALL (BEARING): NC
EXTERIOR WALL (NON-BEARING): NC
FLOOR/CEILING: NC
ROOF/CEILING: NC
BEAMS SUPPORTING ONE FLOOR: NC
BEAMS SUPPORTING ROOF ONLY: NC
COLUMNS: NC
INTERIOR WALLS (BEARING): NC
INTERIOR WALLS (NON-BEARING): NC
FIREWALLS: 4

EXISTING FIRE AREA 6

ORIGINALLY BUILT IN 1953
CODE: SBC AND 1997 IBC
RENOVATED IN 1977 AND 1998

CONSTRUCTION CLASSIFICATION:
TYPE IV UNPROTECTED UNSPRINKLERED

OCCUPANCY: GROUP E - EDUCATIONAL
ALLOWABLE AREA: 12,000 SF
ACTUAL AREA: 4,185 SF

WALL RATINGS:
EXIT ACCESS CORRIDORS: 1
FIRE SEPARATION: 4

RATING OF STRUCTURAL MEMBERS:
EXTERIOR WALL (BEARING): NC
EXTERIOR WALL (NON-BEARING): NC
FLOOR/CEILING: NC
ROOF/CEILING: NC
BEAMS SUPPORTING ONE FLOOR: NC
BEAMS SUPPORTING ROOF ONLY: NC
COLUMNS: NC
INTERIOR WALLS (BEARING): NC
INTERIOR WALLS (NON-BEARING): NC
FIREWALLS: 4

EXISTING FIRE AREA 7

ORIGINALLY BUILT IN 1998
CODE: IBC 1997

CONSTRUCTION CLASSIFICATION:
TYPE IV UNPROTECTED UNSPRINKLERED

OCCUPANCY: GROUP E - EDUCATIONAL
ALLOWABLE AREA: 12,000 SF
ACTUAL AREA: 4,782 SF

WALL RATINGS:
EXIT ACCESS CORRIDORS: 1
FIRE SEPARATION: 4

RATING OF STRUCTURAL MEMBERS:
EXTERIOR WALL (BEARING): 0
EXTERIOR WALL (NON-BEARING): 0
FLOOR/CEILING: 0
ROOF/CEILING: 0
BEAMS SUPPORTING ONE FLOOR: 0
BEAMS SUPPORTING ROOF ONLY: 0
COLUMNS: 0
INTERIOR WALLS (BEARING): 0
INTERIOR WALLS (NON-BEARING): 0
FIREWALLS: 4

EXISTING FIRE AREA 8

ORIGINALLY BUILT IN TWO PHASE: RIGHT PORTION
(1953) AND LEFT PORTION IN 1974
CODE: SBC UNKNOWN EDITION

CONSTRUCTION CLASSIFICATION:
NON-COMBUSTIBLE UNSPRINKLERED

OCCUPANCY: GROUP E - EDUCATIONAL
ALLOWABLE AREA: UNKNOWN
ACTUAL AREA: 17,696 SF

WALL RATINGS:
EXIT ACCESS CORRIDORS: 1
FIRE SEPARATION: 4

RATING OF STRUCTURAL MEMBERS:
EXTERIOR WALL (BEARING): 0
EXTERIOR WALL (NON-BEARING): 0
FLOOR/CEILING: 0
ROOF/CEILING: 0
BEAMS SUPPORTING ONE FLOOR: 0
BEAMS SUPPORTING ROOF ONLY: 0
COLUMNS: 0
INTERIOR WALLS (BEARING): 0
INTERIOR WALLS (NON-BEARING): 0
FIREWALLS: 4

EXISTING FIRE AREA 9

ORIGINALLY BUILT IN 1989
CODE: SBC UNKNOWN EDITION

CONSTRUCTION CLASSIFICATION:
TYPE IV UNPROTECTED UNSPRINKLERED

OCCUPANCY: GROUP E - EDUCATIONAL
ALLOWABLE AREA: 12,000 SF + AREA MOD.
ACTUAL AREA: 15,014 SF

WALL RATINGS:
EXIT ACCESS CORRIDORS: 1
FIRE SEPARATION: 4

RATING OF STRUCTURAL MEMBERS:
EXTERIOR WALL (BEARING): 0
EXTERIOR WALL (NON-BEARING): 0
FLOOR/CEILING: 0
ROOF/CEILING: 0
BEAMS SUPPORTING ONE FLOOR: 0
BEAMS SUPPORTING ROOF ONLY: 0
COLUMNS: 0
INTERIOR WALLS (BEARING): 0
INTERIOR WALLS (NON-BEARING): 0
FIREWALLS: 4

CODE SUMMARY

PROJECT DESCRIPTION

AN APPROXIMATELY 126,000 SF, 2-STORY AND PARTLY 3-STORY ADDITION TO THE EXISTING BYRNES HIGH SCHOOL IN DUNCAN, SOUTH CAROLINA. THIS WILL BE PHASE 2. PHASE 1 WAS COMPLETED IN 2016 AND PHASE 3 WILL FOLLOW AFTER COMPLETION OF THE SECOND PHASE. PARTS OF THE EXISTING HIGH SCHOOL WILL BE DEMOLISHED PRIOR TO THE PHASE 2 CONSTRUCTION. THIS DOCUMENT PACKAGE IS FOR THIS DEMOLITION ONLY.

APPLICABLE CODES

- INTERNATIONAL BUILDING CODE 2018
- INTERNATIONAL PLUMBING CODE 2018 (WITH SC AMENDMENTS)
- INTERNATIONAL MECHANICAL CODE 2018 (WITH SC AMENDMENTS)
- INTERNATIONAL FUEL GAS CODE 2015 (WITH SC AMENDMENTS)
- INTERNATIONAL ENERGY CONSERVATION CODE 2009
- INTERNATIONAL FIRE CODE 2018
- 2017 NATIONAL ELECTRICAL CODE (NFPA 70) WITH SC MODIFICATIONS (CANSI A117.1 - 2017)

USE AND OCCUPANCY CLASSIFICATION (SCBC CHAPTER 3)

THE OCCUPANCY CLASSIFICATIONS ARE MIXED USE AND OCCUPANCIES AND NONSEPARATED OCCUPANCIES (IBC SECTION 508.3) WITH THE FOLLOWING OCCUPANCY TYPES:
• EDUCATIONAL (E)
• BUSINESS (B)

303.1.3 ASSOCIATED WITH GROUP E OCCUPANCIES: A ROOM OR SPACE USED FOR ASSEMBLY PURPOSES THAT IS ASSOCIATED WITH A GROUP E OCCUPANCY IS NOT CONSIDERED A SEPARATE OCCUPANCY.

ENCLOSURE OF ATRIUMS (SCBC 404.6)

A FIRE BARRIER IS NOT REQUIRED BETWEEN THE ATRIUM AND THE ADJOINING SPACES OF ANY THREE FLOORS OF THE ATRIUM PROVIDED SUCH SPACES ARE ACCOUNTED FOR IN THE DESIGN OF THE SMOKE CONTROL SYSTEM

BASIC BUILDING DATA (IBC TABLE 601)

CONSTRUCTION TYPE: I-A I-A III-A IV V-A
 I-B II-B III-B V-B

BUILDING HEIGHT & AREA (IBC 504 & 506)

ACTUAL STORIES: 3 STORIES / ALLOWED STORIES: 3 STORIES
ACTUAL HEIGHT: 67 FT / ALLOWED HEIGHT: 75 FT PER TABLE 504.3
ALLOWABLE AREA PER STORY: 43,500 SF

ACTUAL AREAS	PHASE 2	PHASE 3 (FUTURE)	TOTAL
1000 LEVEL AREA 2:	26,645 SF	-	26,645 SF
1100 LEVEL AREA 1:	20,296 SF	10,865 SF	30,961 SF
1100 LEVEL AREA 2:	31,573 SF	-	31,573 SF
1200 LEVEL AREA 1:	17,700 SF	9,516	27,216 SF
1200 LEVEL AREA 2:	28,768 SF	-	28,768 SF

NONSEPARATED OCCUPANCIES (IBC SECTION 508.3)

FIRE RATED SEPARATIONS ARE NOT REQUIRED BETWEEN THE E AND B OCCUPANCIES BASED ON THE PROVISIONS OF IBC SECTION 508.3 AND REQUIREMENTS OF CHAPTER 9. IBC TABLE 508.4 DOES NOT APPLY.

NONSEPARATED OCCUPANCY PER 508.3.1, BUILDING COMPLIES THROUGHOUT WITH THE MOST RESTRICTIVE CODE REQUIREMENTS

FIRE EXTINGUISHERS (IBC SECTION 906.1)

FIRE EXTINGUISHERS PROVIDED PER IBC SECTION 906.1. COORDINATE FINAL LOCATION WITH LOCAL FIRE OFFICIAL.

FIRE RESISTANCE RATING REQUIREMENTS OF BUILDING ELEMENTS (IBC TABLES 601 AND 602)

IBC TABLES 601 AND 602: BASED ON TYPE IIB CONSTRUCTION, IBC TABLES 601 AND 602 DO NOT REQUIRE STRUCTURAL ELEMENTS, FLOOR, ROOF, NON-BEARING WALLS OR EXTERIOR WALLS TO BE FIRE RATED.

FIRE PUMP ROOMS (IBC SECTION 913.2.1)

FIRE PUMP ROOMS SHALL BE SEPARATED FROM OTHER BUILDING AREAS BY 1-HOUR FIRE BARRIERS (IBC SECTION 913.2.1 EXCEPTION 1).

EXIT SIGNS (IBC SECTION 1103)

EXIT SIGNS INSTALLATION PER SECTION 1103

MEANS OF EGRESS ILLUMINATION (IBC SECTION 1008)

MEANS OF EGRESS ILLUMINATION PER SECTION 1008

OCCUPANT LOAD CALCULATION (SCBC TABLE 1004.5)

USE GROUP	AREA	AREA PER OCCUPANT	OCCUPANT LOAD (TABULAR LOAD)
EDUCATIONAL - CLASSROOM AREA	SEE LIFE SAFETY PLANS	20 SF NET	SEE LIFE SAFETY PLANS
BUSINESS AREA (B)	SEE LIFE SAFETY PLANS	150 SF GROSS	SEE LIFE SAFETY PLANS
ACCESSORY STORAGE AREA	SEE LIFE SAFETY PLANS	300 SF GROSS	SEE LIFE SAFETY PLANS
LIBRARY - READING ROOMS	SEE LIFE SAFETY PLANS	50 SF NET	SEE LIFE SAFETY PLANS
LIBRARY - STACK AREA	SEE LIFE SAFETY PLANS	100 SF GROSS	SEE LIFE SAFETY PLANS

TOTAL OCCUPANT LOAD: 2,555 OCCUPANTS. SEE LIFE SAFETY PLANS

EGRESS WIDTH (SCBC 1005.3)

IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATED SPRINKLER SYSTEM OTHER EGRESS COMPONENTS: 0.10" PER OCCUPANT REQUIRED
STAIRWAYS: 0.2" PER OCCUPANT REQUIRED
SEE LIFE SAFETY PLANS FOR PROVIDED EGRESS WIDTHS.

MAXIMUM COMMON PATH OF EGRESS TRAVEL (IBC TABLE 1006.2.1)

FOR (E) EDUCATIONAL OCCUPANCIES WITH AUTOMATIC SPRINKLER SYSTEM: 75' FT MAXIMUM
FOR (B) BUSINESS OCCUPANCIES WITH AUTOMATIC SPRINKLER SYSTEM: 100' FT MAXIMUM

EXIT ACCESS TRAVEL DISTANCE (IBC TABLE 1017.2)

E WITH SPRINKLER SYSTEM: 250 FT
B WITH SPRINKLER SYSTEM: 300 FT
CORRIDORS (IBC SECTION 1020)

- CORRIDOR FIRE RESISTANCE RATING: FIRE RATING NOT REQUIRED FOR BUILDINGS WITH SPRINKLER SYSTEMS IN ACCORDANCE WITH SECTION IBC 903.1.1 OR 903.3.1.2 FOR OCCUPANCIES B AND S. (TABLE 1020.1 AND FOOTNOTE C)
- MINIMUM CORRIDOR WIDTH: 44" (TABLE 1020.2)
- MAXIMUM LENGTH OF DEAD END CORRIDORS: 90 FT (SECTION 1020.4 EXCEPTION 2). SPRINKLER SYSTEM PROVIDED.

MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY (IBC TABLE 1006.3.2)

1 - 500 OCCUPANTS: 2 EXITS REQUIRED
501 - 1,000 OCCUPANTS: 3 EXITS REQUIRED
MORE THAN 1,000 OCC.: 4 EXITS REQUIRED
SEE LIFE SAFETY PLANS FOR PROVIDED NUMBER OF EXITS

SUMMARY OF FIXTURES (SCPC SECTION 403 & Table 403.1)

Water Closets	Male - Required	Female - Required	Male - Provided	Female - Provided
Water Closets	00	00	00	00
Lavatories	00	00	00	00
Shower	00	00	00	00
Drinking Fountains	00	00	00	00
Family or Assisted-Use Toilet	00	00	00	00
Service Sink	00	00	00	00
Others (list)	00	00	00	00

SUMMARY OF FIXTURES (SCPC SECTION 403 & Table 403.1)

Water Closets	Male - Required	Female - Required	Male - Provided	Female - Provided
Water Closets	00	00	00	00
Lavatories	00	00	00	00
Shower	00	00	00	00
Drinking Fountains	00	00	00	00
Family or Assisted-Use Toilet	00	00	00	00
Service Sink	00	00	00	00
Others (list)	00	00	00	00

Form F3 - Building Code Analysis
SUBMIT: DECEMBER 15, 2021
SC CODE EDITION: 2018
ICC CODE EDITION: 2018
ICC A117.1 EDITION: 2017
OSF GUIDE EDITION: 2020
PROJECT DESCRIPTION: Partial demolition of school built in several phases. The work will be within the original building built in 1933 and multiple additions built 1971, 1977 and 2016 to prepare existing building and site for a Phase II new building construction.

EXISTING BUILDING CODE INFORMATION [SCEB]
Table with columns for Area 1 through Area 9, detailing compliance methods (Prescriptive, Work Area, etc.) and options for addition, change of occupancy, or historic building.

EXISTING BUILDING CODE INFORMATION [SCEB]
Table with columns for Area 6 through Area 9, detailing compliance methods and options for addition, change of occupancy, or historic building.

SUMMARY - BUILDING DESIGN OCCUPANCY LOAD
Table showing occupancy load for 1st, 2nd, and 4th floors across Areas 1-9.
SUMMARY - BUILDING DESIGN OCCUPANCY LOAD
Table showing occupancy load for 1st, 2nd, 3rd, and 4th floors across Areas 6-9.



CONSULTANT LOGO

ALLOWABLE BUILDING AREA PER STORY
Table with columns for Area 1 through Area 9, detailing allowable area per story in square feet for various building types and heights.

ALLOWABLE BUILDING AREA PER STORY
Table with columns for Area 1 through Area 9, detailing allowable area per story in square feet for various building types and heights.

BUILDING HEIGHT
Table with columns for Area 1 through Area 9, detailing building height in feet and number of stories above grade plane.

GENERAL FIRE PROTECTION REQUIREMENTS
Table detailing fire protection requirements for various building elements and systems across Areas 1-9.

OTHER FIRE AND LIFE SAFETY FEATURES
Table detailing fire and life safety features such as fire barriers, fire partitions, smoke barriers, and fire partitions across Areas 1-9.

FIRE RESISTANCE RATING OF BUILDING ELEMENTS
Table detailing fire resistance ratings for various building elements like walls, doors, windows, and structural members across Areas 1-9.

FIRE RESISTANCE RATING OF BUILDING ELEMENTS
Table detailing fire resistance ratings for various building elements like walls, doors, windows, and structural members across Areas 1-9.

FIRE RESISTANCE RATING OF BUILDING ELEMENTS
Table detailing fire resistance ratings for various building elements like walls, doors, windows, and structural members across Areas 1-9.

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FIRE RESISTANCE RATING OF BUILDING ELEMENTS
Table detailing fire resistance ratings for various building elements like walls, doors, windows, and structural members across Areas 1-9.

FLOOD HAZARD INFORMATION AND FLOOD LOADS
Table detailing flood hazard information and flood loads for various building elements and systems.

STRUCTURAL DESIGN INFORMATION, AREA
Table detailing structural design information for various building elements and systems.

SOILS & SITE
Table detailing soil and site information including soil classification, minimum design soil bearing load, and compaction requirements.

STATEMENT OF SPECIAL INSPECTIONS - CHAPTER 17
Table detailing special inspection requirements for various building elements and systems.

PLUMBING INFORMATION
Table detailing plumbing information including water system, sanitary sewer system, and fire service information.

ELECTRICAL INFORMATION
Table detailing electrical information including service transformer, electrical service information, and emergency service information.

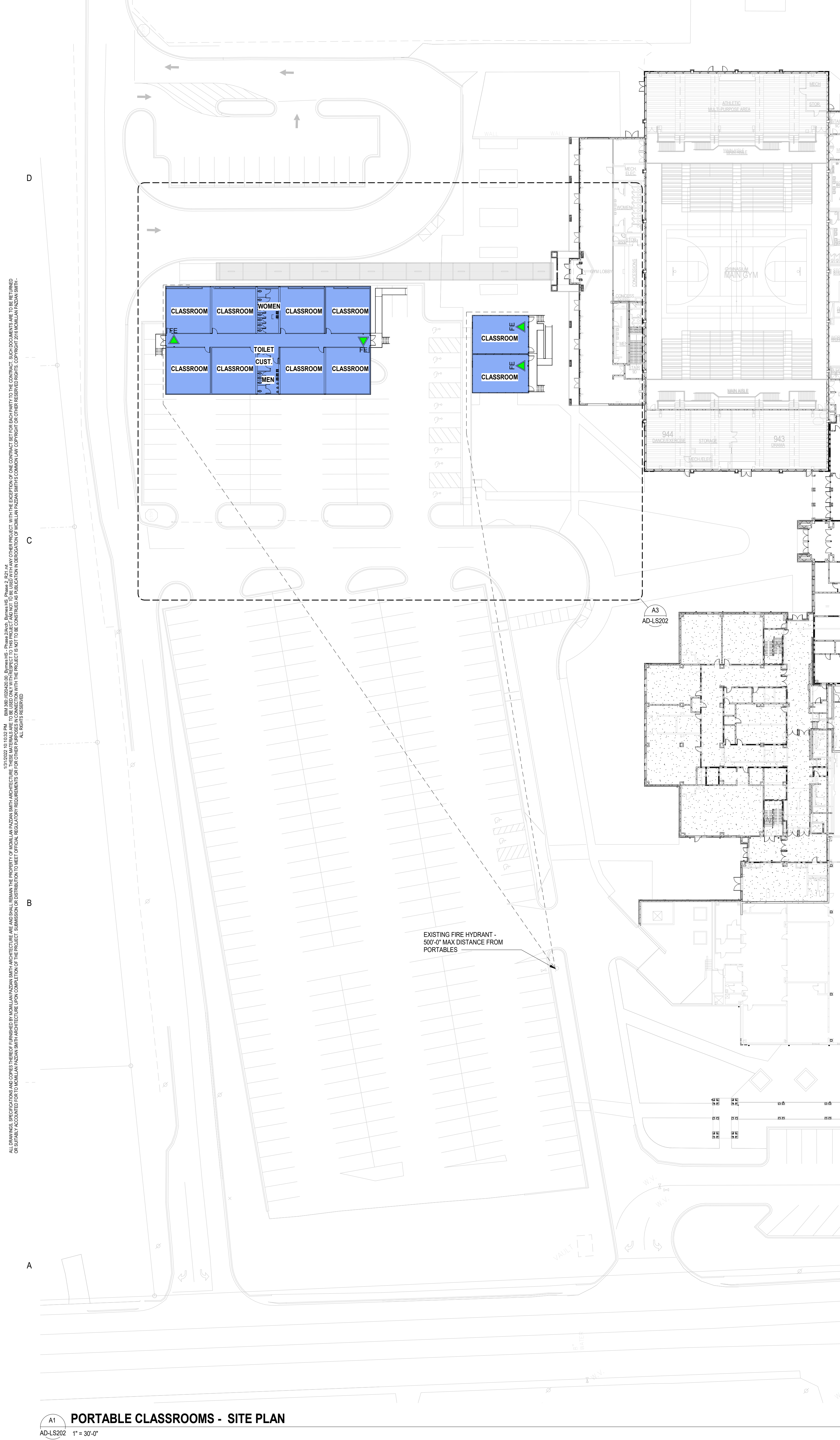
SPARTANBURG SCHOOL DISTRICT FIVE
JAMES F. BYRNES HIGH SCHOOL
PHASE 2 DEMOLITION
150 E. MAIN STREET
DUNCAN, SC 29304

SHEET ISSUE:
NO. DATE DESCRIPTION BY
B 12/15/21 DD DEMO MLC
C 01/31/22 GMP DEMO SET MLC

PHASE 2 DEMOLITION
- OSF FORM F3 - BLDG
CODE ANALYSIS

SHEET NO. PROJ. NO.
020420.00

AD-LS201



PORTABLE PLUMBING FIXTURES

LEGEND

PORTABLE GENERAL NOTES

PLUMBING FIXTURE DISTANCE

FIRE SEPARATION CALCULATIONS

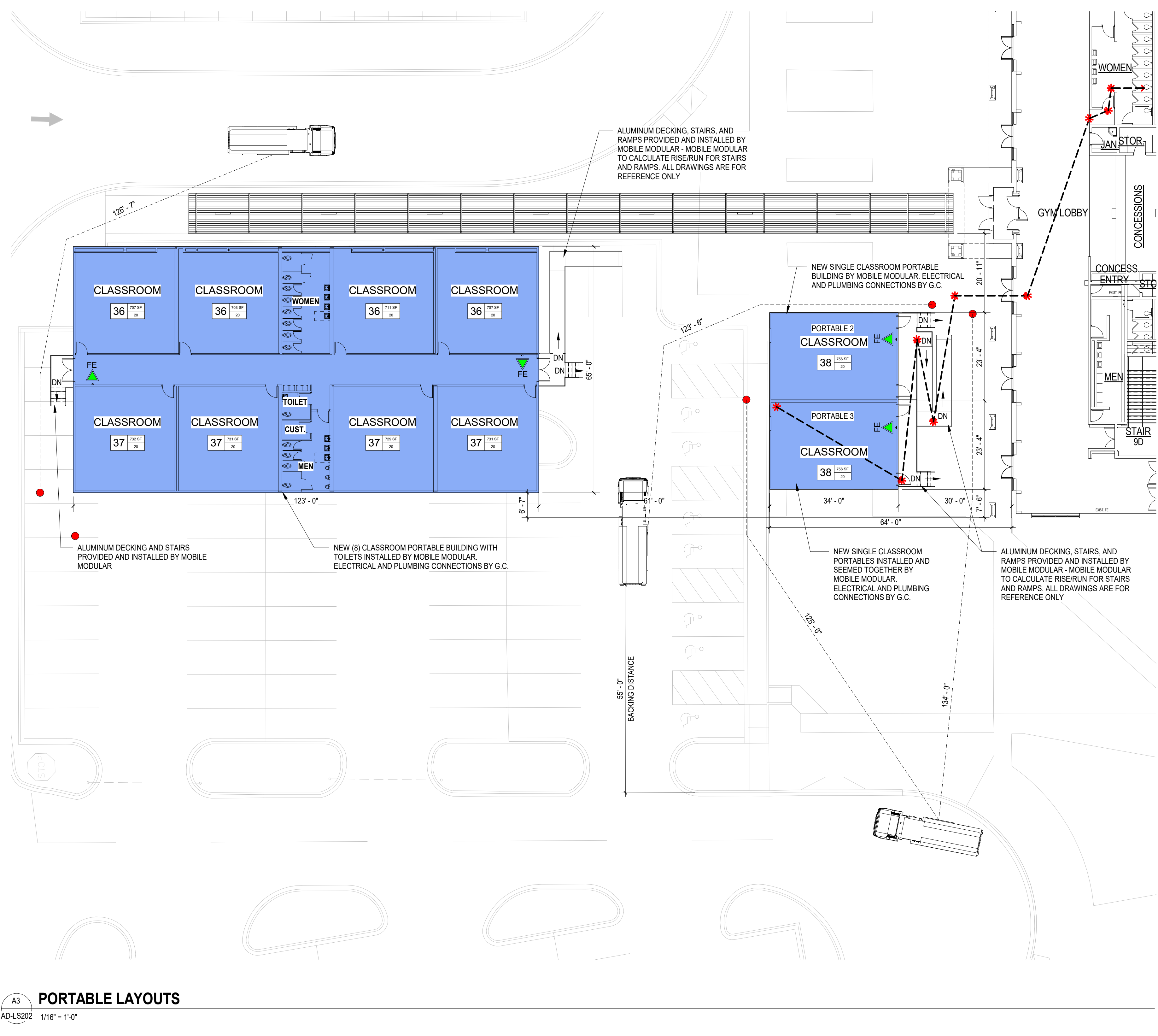


CONSULTANT LOGO

SEALS

SPARTANBURG SCHOOL DISTRICT FIVE
 JAMES F. BYRNES HIGH SCHOOL
 PHASE 2 DEMOLITION

150 E. MAIN STREET
 DUNCAN, SC 29504



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NO.	DATE	DESCRIPTION	BY
B	12/15/21	DD DEMO	M.L.C
C	01/31/22	GMP DEMO SET	M.L.C

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 FOR PRICING ONLY

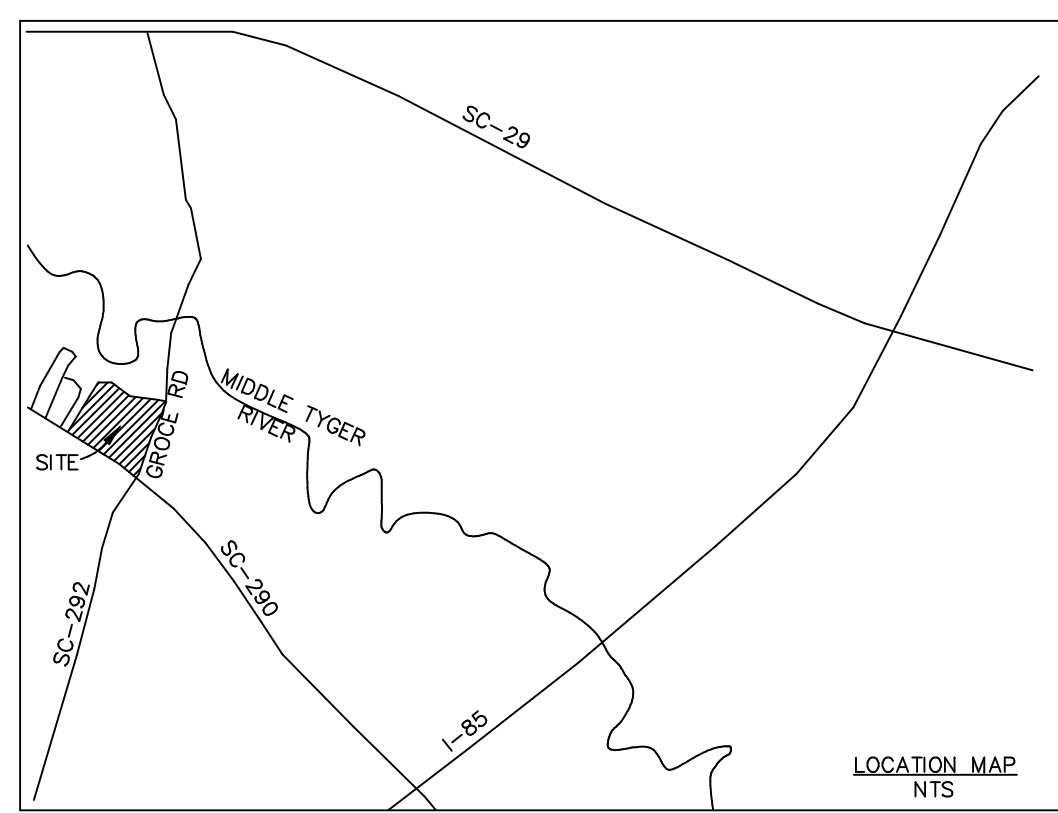
GMP DEMO SET 01/31/22

PRINCIPAL IN CHARGE: M.L.C
 PROJECT ARCHITECT: R.P.C
 DRAWN BY: R.P.C

SHEET TITLE:
PHASE 2 DEMOLITION - PORTABLE LAYOUTS

SHEET NO. PROJ. NO.
 020420.00

AD-LS202



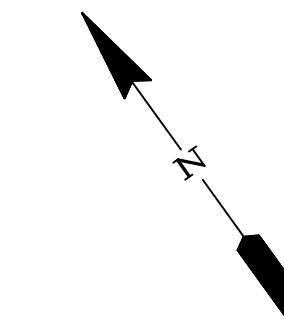
**Know what's below.
Call before you dig.**

YOU ARE REQUESTED TO CALL AT LEAST 3 WORKING DAYS BEFORE YOU DIG
http://www.811.com

GENERAL NOTES:

- THIS TRACT CONTAINS 43.9 AC.
BLOCK MAP: 5-20-06-024.00
- OWNER CONTACT: SPARTANBURG COUNTY SCHOOL DISTRICT FIVE
DR. GREG WOOD
PO BOX 307
DUNCAN, SC 29334
PHONE: (864) 949-2350
- CIVIL ENGINEER: BLACKWOOD ASSOCIATES INC.
PO BOX 366
SPARTANBURG, SC 29304
PHONE: (864) 583-5432
- SURVEY AND TOPOGRAPHIC INFORMATION PROVIDED BY
LAVENDER, SMITH & ASSOCIATES, INC.
LAND SURVEYORS & MAPPERS
2900 EAST MAIN STREET
SPARTANBURG, S.C. 29307
**SURVEY AUGMENTED USING PHASE ONE
CONSTRUCTION DOCUMENTS

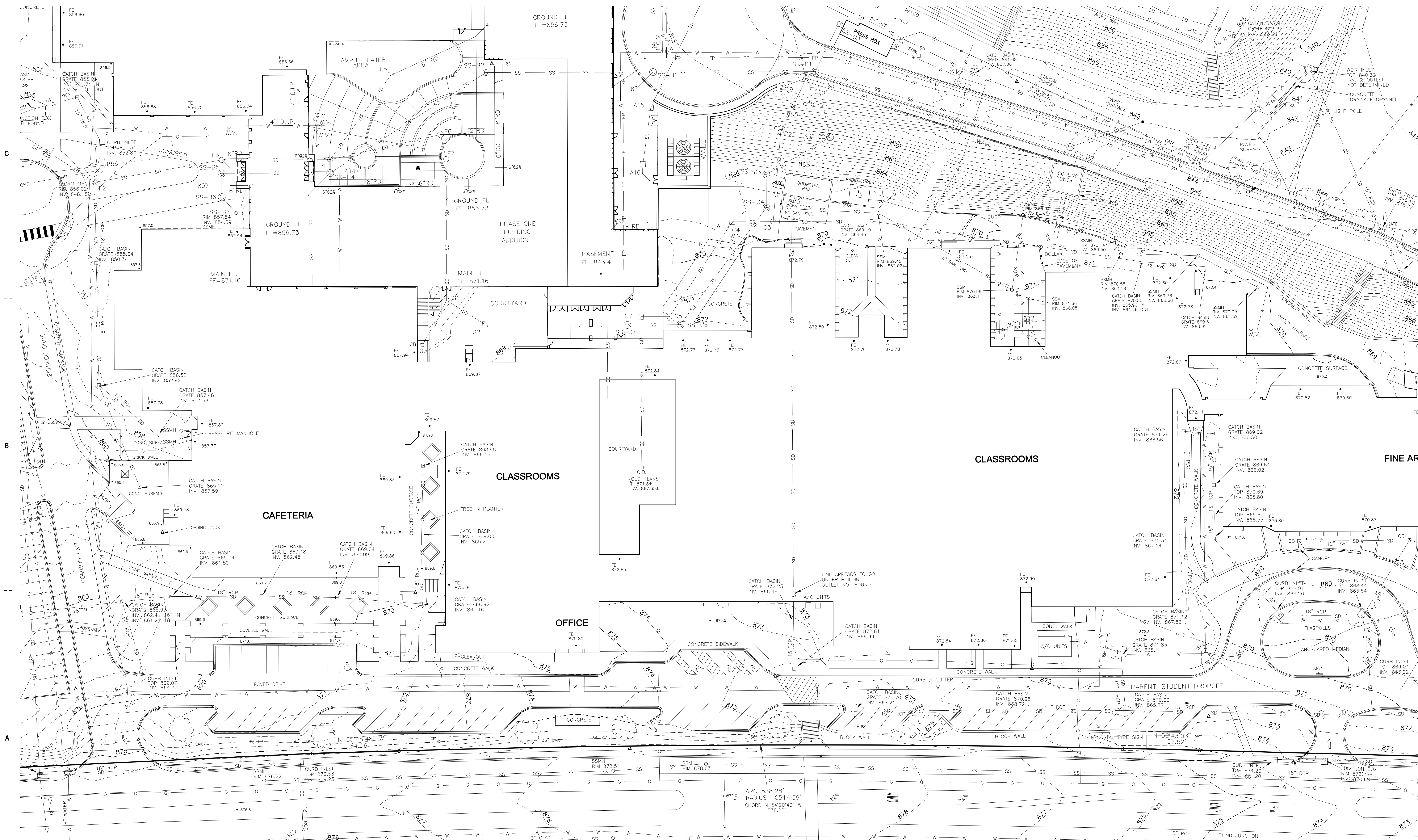
SCALE: 1" = 30'



BLACKWOOD ASSOCIATES INC.
CONSULTING ENGINEERS
PO BOX 366
SPARTANBURG, SC 29304
864-583-5432 FAX-583-5434

SPARTANBURG SCHOOL DISTRICT FIVE
**JAMES F. BYRNES HIGH SCHOOL
PHASE 2 DEMOLITION**
150 E. MAIN STREET
DUNCAN, SC 29304

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NO.	DATE	DESCRIPTION	BY
B	12/15/21	DD DEMO	WAB
C	01/31/22	GMP DEMO SET	WAB

PRINCIPAL IN CHARGE: WAB
PROJECT ENGINEER: WAB
DRAWN BY: WAB/ELD

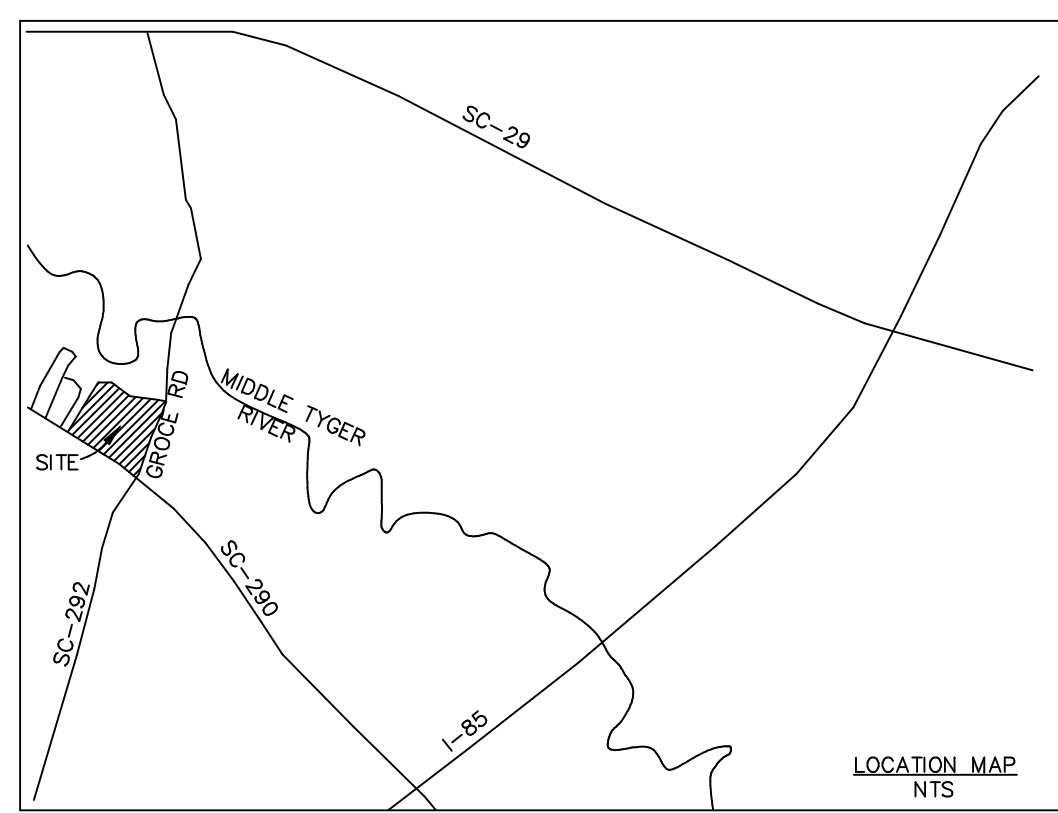
SHEET TITLE:

**EXISTING
CONDITIONS**

SHEET NO. PROJ. NO.
020420.00

CD1.1

**NOT FOR CONSTRUCTION
FOR PRICING ONLY**



EROSION CONTROL SEQUENCE OF EVENTS

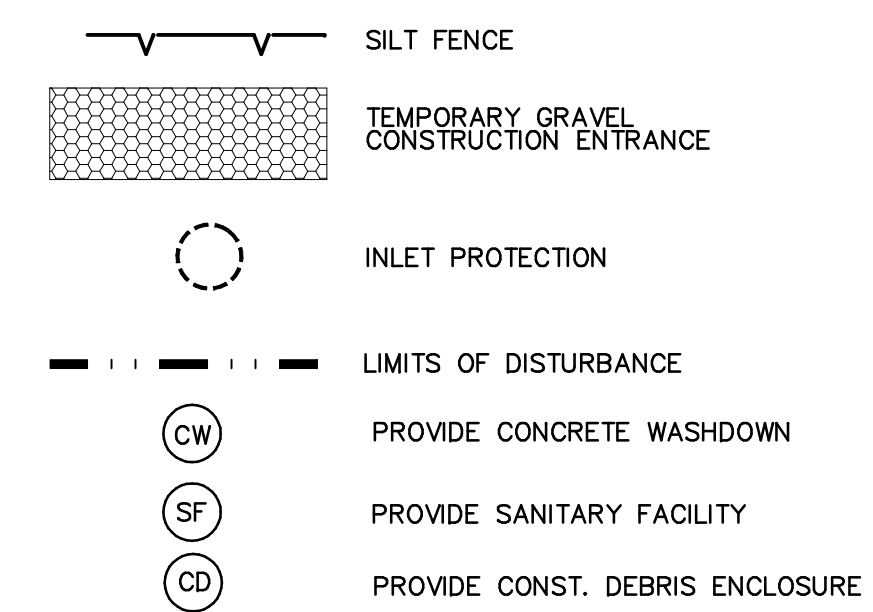
A PRE-CONSTRUCTION CONFERENCE MUST BE HELD WITH SPARTANBURG COUNTY AT LEAST 48 HOURS PRIOR TO BEGINNING ANY LAND DISTURBING ACTIVITIES. THE OWNER, DESIGN ENGINEER AND CONTRACTOR MUST BE PRESENT AND HAVE OBTAINED THE STORMWATER PERMIT, STAMPED APPROVED PLANS AND THE N.O.I APPROVED LETTER FROM SCDHEC BEFORE CALLING SPARTANBURG COUNTY AT 864-595-5320 TO SCHEDULE THIS MEETING.

- RECEIVE NPDES COVERAGE FROM SCDHEC.
- HAVE PRE-CONSTRUCTION MEETING ON-SITE.
- NOTIFY SPARTANBURG COUNTY ENGINEERING 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- PHASE I: INITIAL EROSION CONTROL (CV1.2)**
 - DEMOLITION ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS (EG. SILT FENCE AND CONSTRUCTION ENTRANCE)
 - INSTALL PERIMETER CONTROLS AND INLET PROTECTION (EXISTING BASINS).
 - BEGIN SELECT DEMOLITION.
- PHASE II: DEMOLITION & UTILITY INSTALLATION (CV1.2 & CV1.1)**
 - CONTINUE & COMPLETE DEMOLITION.
 - INSTALL NEW STORM DRAINAGE.
 - PLACE INLET PROTECTION AROUND ALL CATCH BASINS.
 - COMPLETE REMAINING DEMOLITION AND SITE UTILITIES.
- PHASE III: STABILIZATION (CV2.1)**
 - APPLY GRASSING IN ACCORDANCE WITH GRASS NOTES.
 - INSPECT AND MAINTAIN ALL EROSION CONTROL AS INDICATED IN GRADING NOTES.
 - PERMANENT GRASS SHALL BE INSTALLED FOR ALL AREAS AT FINAL GRADE AND IN SEASON INDICATED ON GRASS NOTES.
 - AFTER COMPLETION OF CONSTRUCTION AND THE SITE IS STABILIZED:
 - REMOVE ALL ACCUMULATED SEDIMENT FROM SEDIMENT TRAPPING MEASURES AND SPREAD EVENLY ACROSS THE SITE.
 - REMOVE ALL TEMPORARY EROSION CONTROL MEASURES, SMOOTH AREAS AND APPLY GRASSING PER GRASS NOTES/SPECIFICATIONS.
 - SUBMIT THE NOTICE OF TERMINATION TO SPARTANBURG COUNTY.

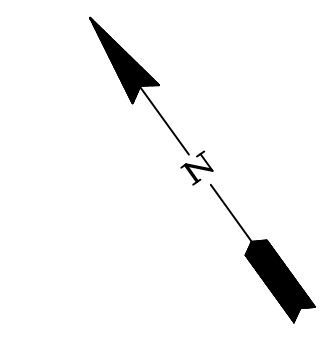
SITE CONSTRUCTION NOTES

- COORDINATE LOCATION OF FOLLOWING ITEMS WITH SPARTANBURG COUNTY INSPECTORS.
- ALL LITTER, TRASH AND CONSTRUCTION DEBRIS SHALL BE COLLECTED, STORED AND DISPOSED OF IN ACCORDANCE WITH SCDHEC SOLID WASTE REGULATIONS. PROVIDE TEMPORARY 4' TALL HOGWIRE - 10' X10' SQUARE STORAGE AREA.
 - PROVIDE TEMPORARY SANITARY FACILITIES SHALL BE LOCATED ON A FLAT SURFACE AWAY FROM DRAINAGE FACILITIES, CATCH BASINS, WATERCOURSES AND TRAFFIC CIRCULATION. UPON DISCOVERY, ANY SPILLED MATERIAL SHALL BE CLEANED UP IMMEDIATELY. ALL COLLECTED MATERIAL, CONTAMINATED RAGS AND ABSORBENT MATERIALS SHALL BE SPREAD ON THE CONTAMINATED AREA. APPROPRIATELY LIME SHALL BE SPREAD ON THE CONTAMINATED AREA.
 - CEMENT WASTE AND WASHOUT SHALL NOT BE ALLOWED TO DISCHARGE TO STORM DRAINS, DETENTION PONDS OR WATER COURSES. BE COLLECTED IN A DEPRESSED BERMED AREA AND ALLOWED TO HARDEN. IT SHALL NOT BE ALLOWED TO DISCHARGE TO STORM DRAINS, STORM WATER DETENTION FACILITIES OR WATERCOURSES. PROVIDE 10" DIAMETER - 8" MULCH TUBE TO CONTAIN CONCRETE WASHOUT

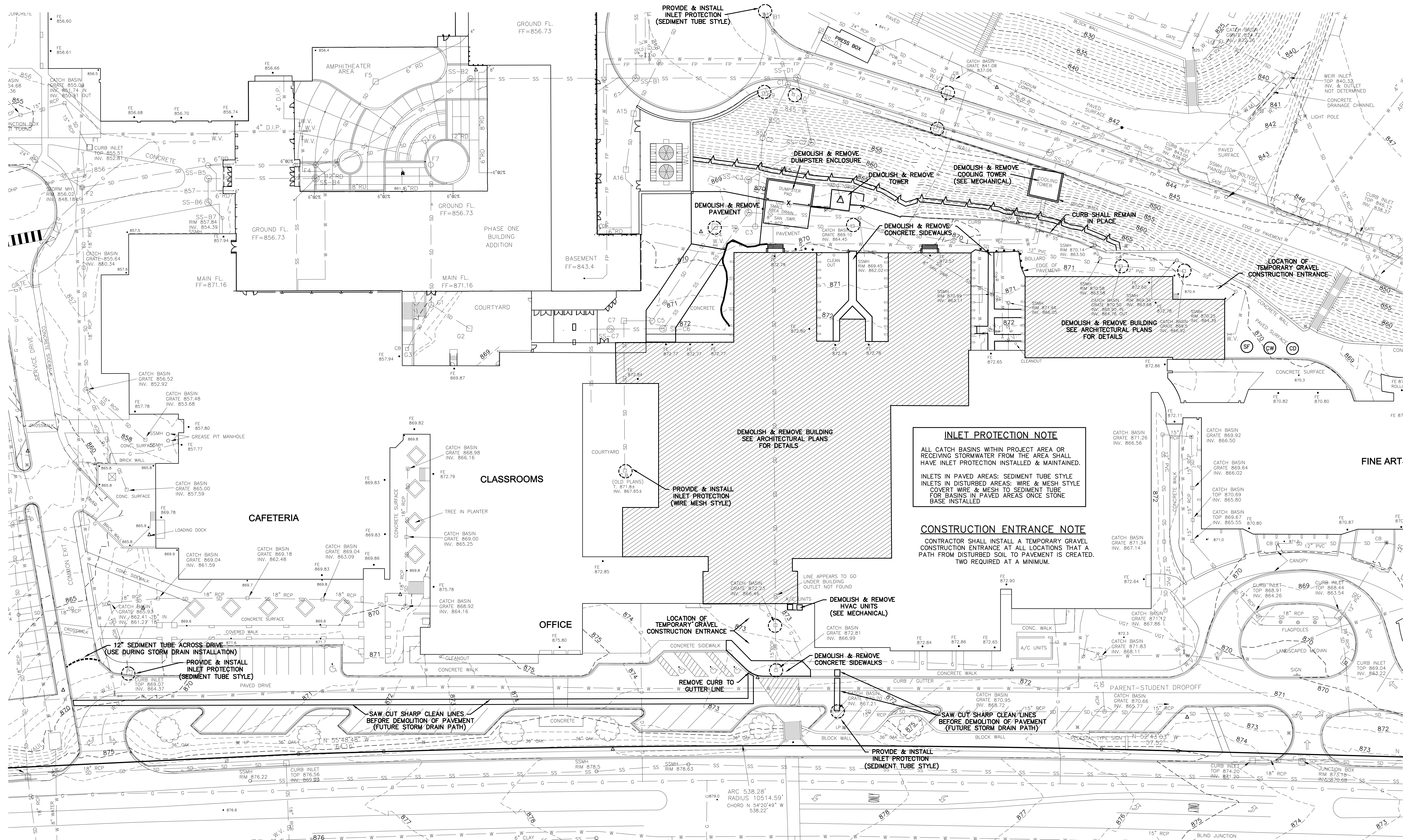
EROSION CONTROL LEGEND



SCALE: 1" = 30'



YOU ARE REQUIRED TO CALL 811 AT LEAST 3 WORKING DAYS BEFORE YOU DIG. www.811.com



INLET PROTECTION NOTE
ALL CATCH BASINS WITHIN PROJECT AREA OR RECEIVING STORMWATER FROM THE AREA SHALL HAVE INLET PROTECTION INSTALLED & MAINTAINED.
INLETS IN PAVED AREAS: SEDIMENT TUBE STYLE
INLETS IN DISTURBED AREAS: WIRE & MESH STYLE
CONVERT WIRE & MESH TO SEDIMENT TUBE FOR BASINS IN PAVED AREAS ONCE STONE BASE INSTALLED

CONSTRUCTION ENTRANCE NOTE
CONTRACTOR SHALL INSTALL A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE AT ALL LOCATIONS THAT A PATH FROM DISTURBED SOIL TO PAVEMENT IS CREATED. TWO REQUIRED AT A MINIMUM.

SPARTANBURG SCHOOL DISTRICT FIVE
**JAMES F. BYRNES HIGH SCHOOL
PHASE 2 DEMOLITION**
150 E. MAIN STREET
DUNCAN, SC 2954

SHEET ISSUE:

NO.	DATE	DESCRIPTION	BY
B	12/15/21	DD DEMO	WAB
C	01/31/22	GMP DEMO SET	WAB

PRINCIPAL IN CHARGE: WAB
PROJECT ENGINEER: WAB
DRAWN BY: WAB/ELD

SHEET TITLE:
SITE DEMOLITION PLAN

SHEET NO. PROJ. NO. 020420.00

CD1.2

NOT FOR CONSTRUCTION
FOR PRICING ONLY

FINE ART

CLASSROOMS

CAFETERIA

OFFICE

DEMOLISH & REMOVE HVAC UNITS (SEE MECHANICAL)

DEMOLISH & REMOVE CONCRETE SIDEWALKS

PROVIDE & INSTALL INLET PROTECTION (SEDIMENT TUBE STYLE)

12" SEDIMENT TUBE ACROSS DRIVE (USE DURING STORM DRAIN INSTALLATION)
PROVIDE & INSTALL INLET PROTECTION (SEDIMENT TUBE STYLE)

SAW CUT SHARP CLEAN LINES BEFORE DEMOLITION OF PAVEMENT (FUTURE STORM DRAIN PATH)

SAW CUT SHARP CLEAN LINES BEFORE DEMOLITION OF PAVEMENT (FUTURE STORM DRAIN PATH)

PROVIDE & INSTALL INLET PROTECTION (WIRE MESH STYLE)

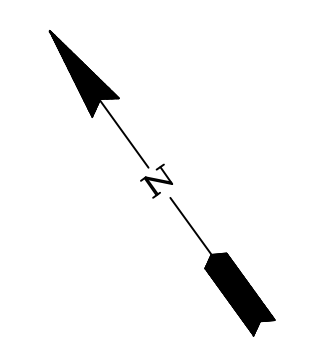
LOCATION OF TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

REMOVE CURB TO GUTTER LINE

PROVIDE & INSTALL INLET PROTECTION (SEDIMENT TUBE STYLE)

INLET PROTECTION NOTE

CONSTRUCTION ENTRANCE NOTE



SCALE: 1" = 30'

SPARTANBURG SCHOOL DISTRICT FIVE

**JAMES F. BYRNES HIGH SCHOOL
PHASE 2 DEMOLITION**

150 E. MAIN STREET
DUNCAN, SC 29534

NO.	DATE	DESCRIPTION	BY
B	12/15/21	DO DEMO	WAB
C	01/31/22	GMP DEMO SET	WAB

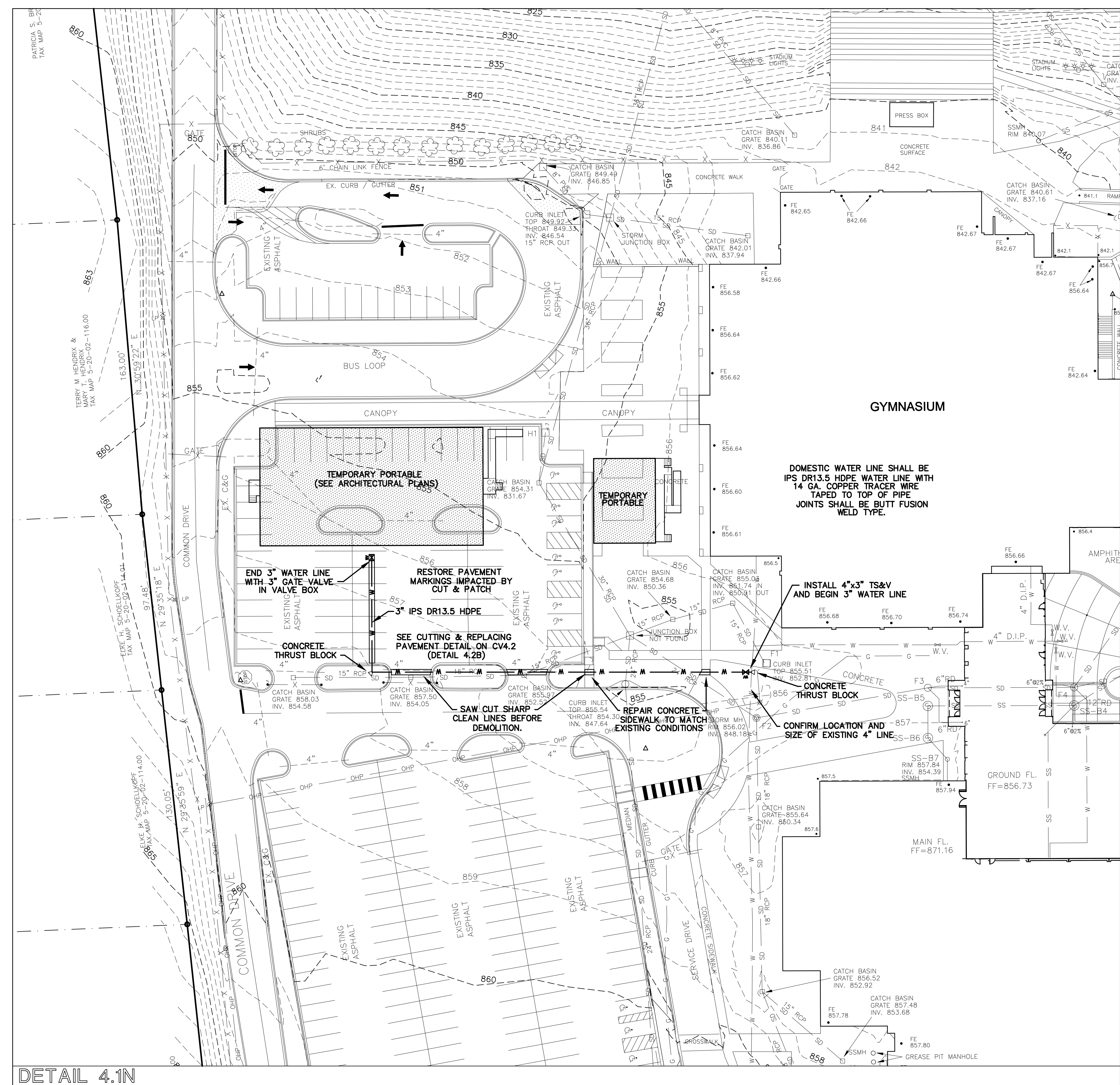
**NOT FOR CONSTRUCTION
FOR PRICING ONLY**

PRINCIPAL IN CHARGE: WAB
PROJECT ENGINEER: WAB
DRAWN BY: WAB/ELO

SHEET TITLE:
**PORTABLE
SITE PLAN**

SHEET NO. PROJ. NO.
020420.00

CD1.3



WATER DISTRIBUTION NOTES

ALL WATER LINES SHALL BE INSTALLED WITH A MINIMUM COVER OF 3 FT. FROM TOP OF PIPE.

ALL BENDS, TEES, & PLUGS SHALL BE RESTRAINED BY CONCRETE THRUST BLOCKS OR MECHANICAL RESTRAINTS.

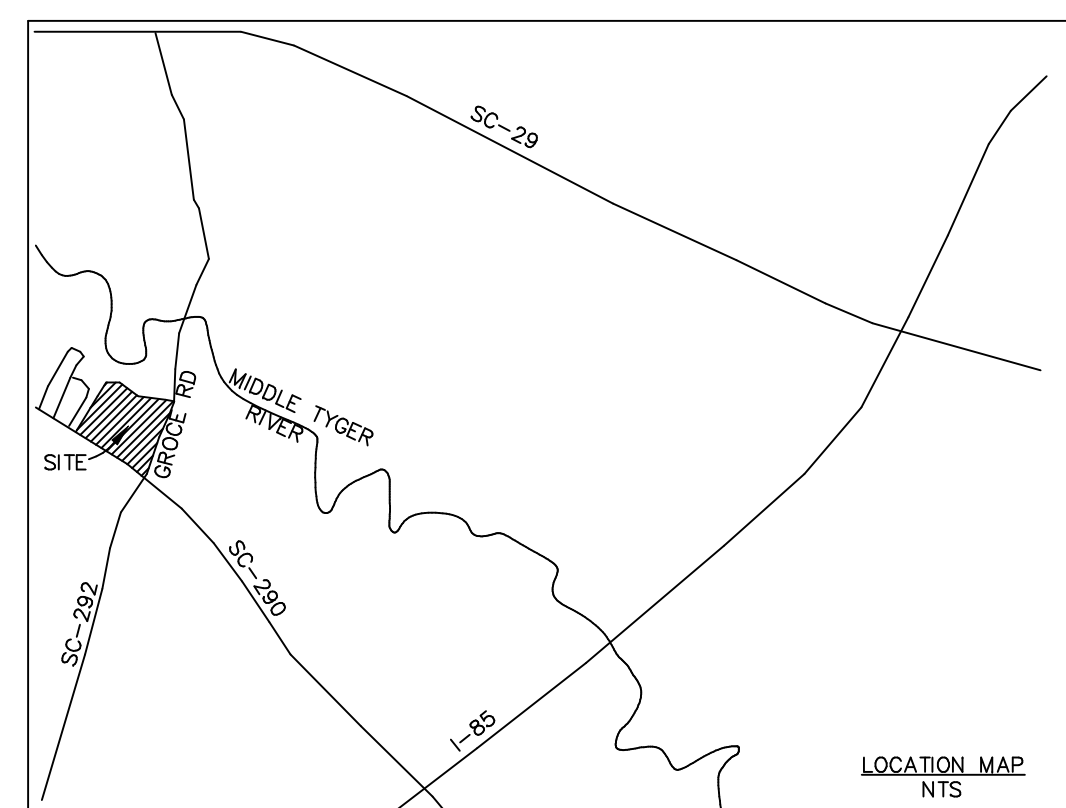
THE WATER LINES SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH THE LOCAL WATER AUTHORITY'S REQUIREMENTS TESTING SHALL BE AT A PRESSURE OF 150 PSI FOR TWO HOURS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATER EQUIPMENT, CHLORINATION, AND SUPPLIES NEEDED TO CONDUCT TESTING, INCLUDING BACTERIOLOGICAL ANALYSIS.

THE CONTRACTOR RESPONSIBLE FOR INSTALLATION OF THE WATER LINE SHALL BE A LICENSED WATER LINE CONTRACTOR, HOLDING A GROUP FOUR OR FIVE CLASSIFICATION.

WATER LINES SHALL HAVE A MINIMUM 10 FOOT SEPARATION WITH SANITARY SEWER LINES. WHEN UTILITY CROSSINGS OCCUR, A MINIMUM 18" VERTICAL SEPARATION SHALL BE MAINTAINED WITH THE WATER LINE LOCATED AT THE HIGHER ELEVATION.

DETAIL 4.1N

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GENERAL SITE NOTES

- CONTRACTOR SHALL IDENTIFY THE LOCATION AND ELEVATIONS OF ALL UTILITIES ON SITE BEFORE CONSTRUCTION.
- ANY DISCREPANCIES FROM THE DRAWINGS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

SITE SPECIFICATIONS & NOTES

- CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND LINES AND UTILITIES BEFORE EXCAVATION. ADVISE ENGINEER IMMEDIATELY OF ANY VARIATIONS. ALL EXCAVATIONS NEAR THESE LINES SHALL BE WITH CAUTION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF EXISTING CONSTRUCTION WHICH AFFECTS NEW CONSTRUCTION. CONTRACTOR RESPONSIBLE FOR ANY DAMAGE DURING CONSTRUCTION AND/OR RELOCATION AS NECESSARY AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL VERIFY ALL WORK PRIOR TO CONSTRUCTION. DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. DISCONTINUE WORK IN ALL AFFECTED AREAS UNTIL RESOLVED BY ENGINEER.
- EARTHWORK SHALL BE TO THE LINES AND GRADES SHOWN. THE CONTRACTOR SHALL PROOF-ROLL THE CONSTRUCTION AREA WITH HEAVY-PNEUMATIC EQUIPMENT. ALL SOFT SPOTS SHALL BE UNDERCUT AND RECOMPACTED WITH SUITABLE STRUCTURAL FILL MATERIAL. ALL FILL COMPACTION SHALL BE 95% OF MAXIMUM PER ASTM D-698 (STANDARD PROCTOR). ALL MATERIAL WITHIN 18 INCHES OF PAVEMENT AND BUILDING SUBGRADE SHALL BE COMPACTED TO 98% OF MAXIMUM. FILL MATERIAL SHALL NOT CONTAIN ORGANIC MATERIAL, DEBRIS OR ROCKS. WHERE FILL IS TO BE PLACED, ALL EXISTING VEGETATION, ROOTS AND OTHER ORGANIC MATTER DOWN TO 12 INCHES BELOW EXISTING GRADE SHALL BE STRIPPED AND DISPOSED OF AS DIRECTED. FILL SHALL BE PLACED IN SUCCESSIVE LAYERS OF NOT MORE THAN 8 INCHES LOOSE THICKNESS. EACH LAYER SHALL BE SPREAD EVENLY AND COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED.
- THE CONTRACTOR SHALL REMOVE ALL DEBRIS INCLUDING PAVEMENT, CONCRETE, AND UNSUITABLE MATERIAL FROM THE SITE. ALL AREAS UNDER EXISTING PAVEMENT SHALL BE SCARIFIED BEFORE PLACING STRUCTURAL FILL MATERIAL.
- CATCH BASINS SHALL BE IN ACCORDANCE WITH CURRENT SC DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND SCOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION.
- STORM SEWER SHALL BE LAID ON A MINIMUM TYPE "C" BEDDING FOR DEPTHS UP TO 21'. FOR DEPTHS GREATER THAN 21' USE TYPE "B" BEDDING. PLACE BELL OR BED GROOVE END UP GRADE WITH THE SPIGOT OR TONGUE FULLY INSERTED. EACH JOINT SHALL BE CHECKED FOR ALIGNMENT AND GRADE AS THE WORK PROCEEDS. APPROVED BACKFILL MATERIAL SHALL BE PLACED CAREFULLY ALONG THE PIPE AND COMPACTED UNDER HAUNCHES. MATERIAL SHALL BE BROUGHT UP EVENLY IN LAYERS ON BOTH SIDES OF THE PIPE AND TO ONE FOOT ABOVE THE TOP OF THE PIPE. MATERIAL SHALL BE PLACED IN A MANNER SO AS NOT TO DISPLACE OR DAMAGE THE INSTALLED PIPE. BACKFILL SHALL BE PLACED AND COMPACTED IN LAYERS AS SPECIFIED.
- REINFORCED CONCRETE PIPE (RCP) SHALL BE: CLASS III - DEPTHS 0'-14" CLASS "C" BEDDING. CLASS IV - DEPTHS 14'-21" CLASS "C" BEDDING. ALL RCP SHALL HAVE BUTYL RUBBER GASKET SEALANT UNLESS OTHERWISE SPECIFIED. JOINTS AND FITTINGS / ACCESSORIES SHALL BE COMPATIBLE WITH PIPE. SEE BEDDING DETAILS.
- SANITARY SEWER LINES SHALL BE SDR 35 PVC WITH GRAVEL TO THE SPRING LINE. SANITARY SEWER UNDER STORM SEWER SHALL BE CLASS 50 DIP.
- WATER LINES SHALL BE: IPS DR13.5 HDPE WITH BUTT FUSION WELD TYPE JOINTS. PRESSURE CLASS 350 DIP FOR 4" AND LARGER.
- WATER LINES SHALL HAVE 3 FT. MINIMUM COVER. ALL WATER LINES USED FOR FIRE PROTECTION SUPPLY SHALL MEET NFPA 24. HDPE LINES SHALL HAVE TRACER WIRE INSTALLED ON PIPE.
- ASPHALT PAVING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS AND THE SOUTH CAROLINA D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL REQUIRED STRIPING AND SIGNAGE FOR WORK ON SITE AND S.C.D.O.T. R.O.W. ALL SITE STRIPING TO COMPLY WITH SCOT STANDARD PAINT REQUIREMENTS. THERMOPLASTIC PAINT REQUIRED IN SCOT RIGHT OF WAY.
- CONCRETE SHALL BE 4,000 PSI CONCRETE MINIMUM. STEEL REINFORCEMENT SHALL BE ASTM A615, GRADE 60.

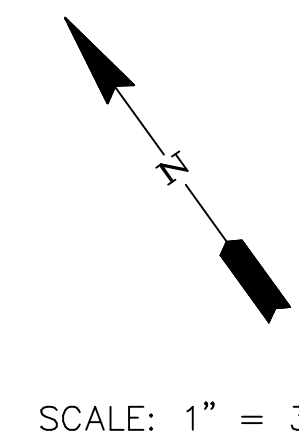
SANITARY SEWER TESTING NOTES

GRAVITY SANITARY SEWER

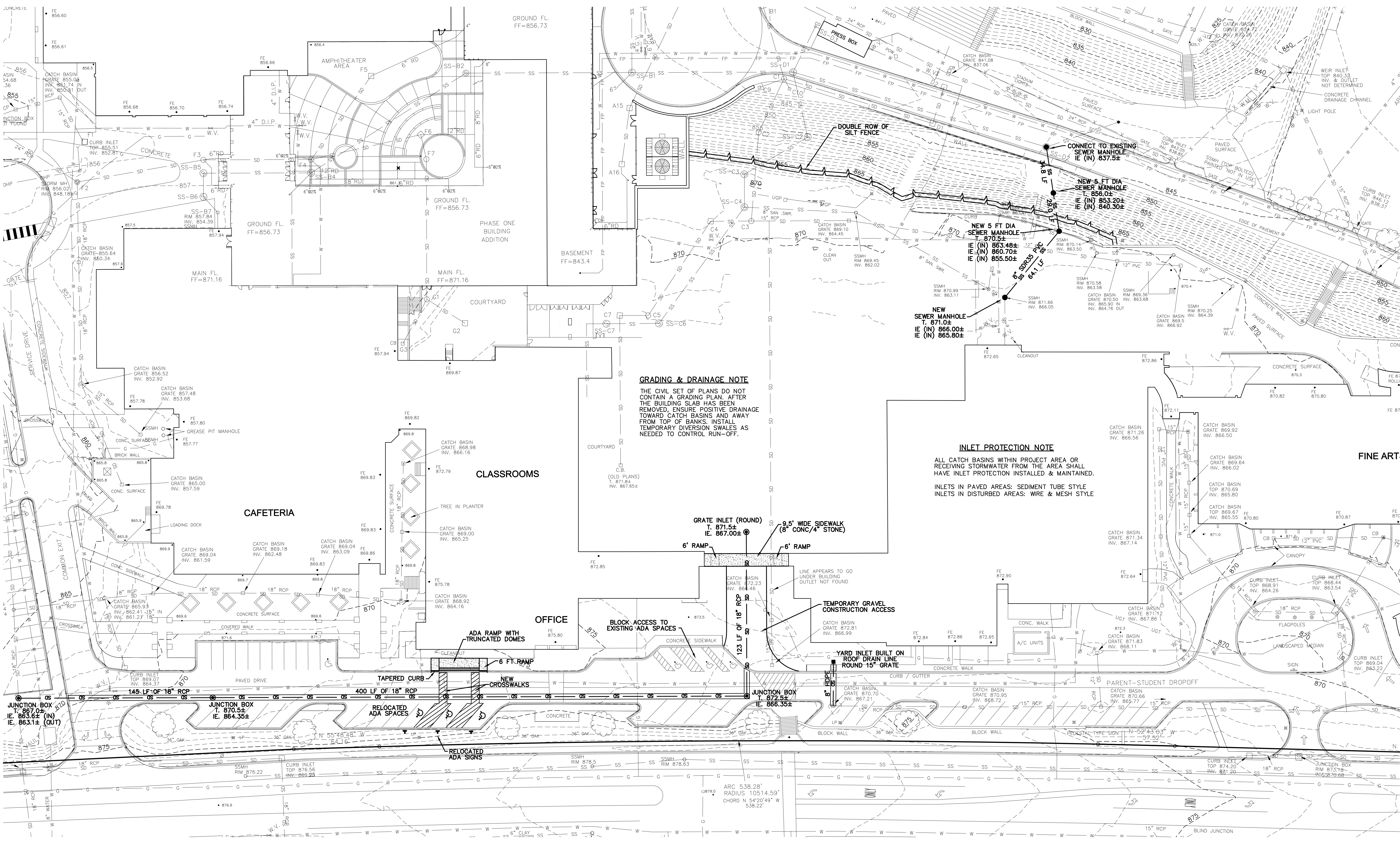
GRAVITY SEWER LINES SHALL BE LAMPED AND ALL PIPES SHALL SHOW A TRUE LINE BETWEEN MANHOLES WITHOUT DEFECTS IN CONDITIONS, GRADE, OR ALIGNMENT. GRAVITY SEWER LINES COMPOSED OF PVC SHALL BE TESTED FOR DEFLECTION USING A MANDREL. THE DEFLECTION TEST SHALL OCCUR AT THE FINAL INSPECTION, A MINIMUM OF 30 DAYS AFTER COMPLETION OF BACKFILL. PRIOR TO TESTING, CLEAN AND FLUSH LINE OF DIRT AND FOREIGN MATERIAL. THE MANDREL SHALL BE PLACED IN THE PIPELINE AND MANUALLY PULLED, USING A TOW CABLE OR ROPE FROM MANHOLE TO MANHOLE. THE MANDREL SHOULD HAVE A TOW LINE ON EACH END TO FACILITATE REMOVAL IF AN OBSTRUCTION OCCURS. IF THE MANDREL STOPS AND APPEARS THAT IT WILL NOT MOVE FORWARD, RECORD THE DISTANCE BETWEEN MANHOLES AND REMOVE. CONTRACTOR SHALL MAKE REPAIRS AS DIRECTED BY THE ENGINEER. GRAVITY SEWER LINES SHALL BE AIR TESTED. LINES NOT PASSING THE TEST SHALL BE REPAIRED AND RETESTED AS REQUIRED BY THE ENGINEER. CONTRACTOR SHALL FURNISH ALL MATERIALS AND TESTING EQUIPMENT TO PERFORM THE AIR TESTING OF THE SEWER LINE. PRESSURE TESTING SHALL BE PERFORMED AT A TEST PRESSURE OF 4 PSI USING A MONITORING GAUGE (0 TO 5 PSI WITH MINIMUM DIVISIONS OF 0.10 PSI OR APPROVED BY THE INSPECTOR).

SANITARY SEWER MANHOLES

ALL MANHOLES SHALL BE SUBJECT TO A VACUUM TEST. THE CONTRACTOR SHALL FURNISH ALL NECESSARY EQUIPMENT AND LABOR NEEDED FOR CONDUCTING THE TESTS. ALL MANHOLES TO BE TESTED SHALL HAVE PIPES ENTERING AND LEAVING THE MANHOLE PLUGGED. THE MANHOLE SHALL HAVE A VACUUM DRAWN OF 10 INCHES OF MERCURY. THE TEST SHALL PASS IF THE VACUUM REMAINS AT 10 INCHES OR DROPS TO 9 INCHES OF MERCURY IN A TIME GREATER THAN ONE MINUTE. THE CONTRACTOR SHALL LOCATE AND REPAIR THE LEAK(S) FOR FAILED MANHOLES.



SPARTANBURG SCHOOL DISTRICT FIVE
**JAMES F. BYRNES HIGH SCHOOL
 PHASE 2 DEMOLITION**
 150 E. MAIN STREET
 DUNCAN, SC 29534



GRADING & DRAINAGE NOTE
 THE CIVIL SET OF PLANS DO NOT CONTAIN A GRADING PLAN. AFTER THE BUILDING SLAB HAS BEEN REMOVED, ENSURE POSITIVE DRAINAGE TOWARD CATCH BASINS AND AWAY FROM TOP OF BANKS. INSTALL TEMPORARY DIVERSION SWALES AS NEEDED TO CONTROL RUN-OFF.

INLET PROTECTION NOTE
 ALL CATCH BASINS WITHIN PROJECT AREA OR RECEIVING STORMWATER FROM THE AREA SHALL HAVE INLET PROTECTION INSTALLED & MAINTAINED.
 INLETS IN PAVED AREAS: SEDIMENT TUBE STYLE
 INLETS IN DISTURBED AREAS: WIRE & MESH STYLE

FINE ART

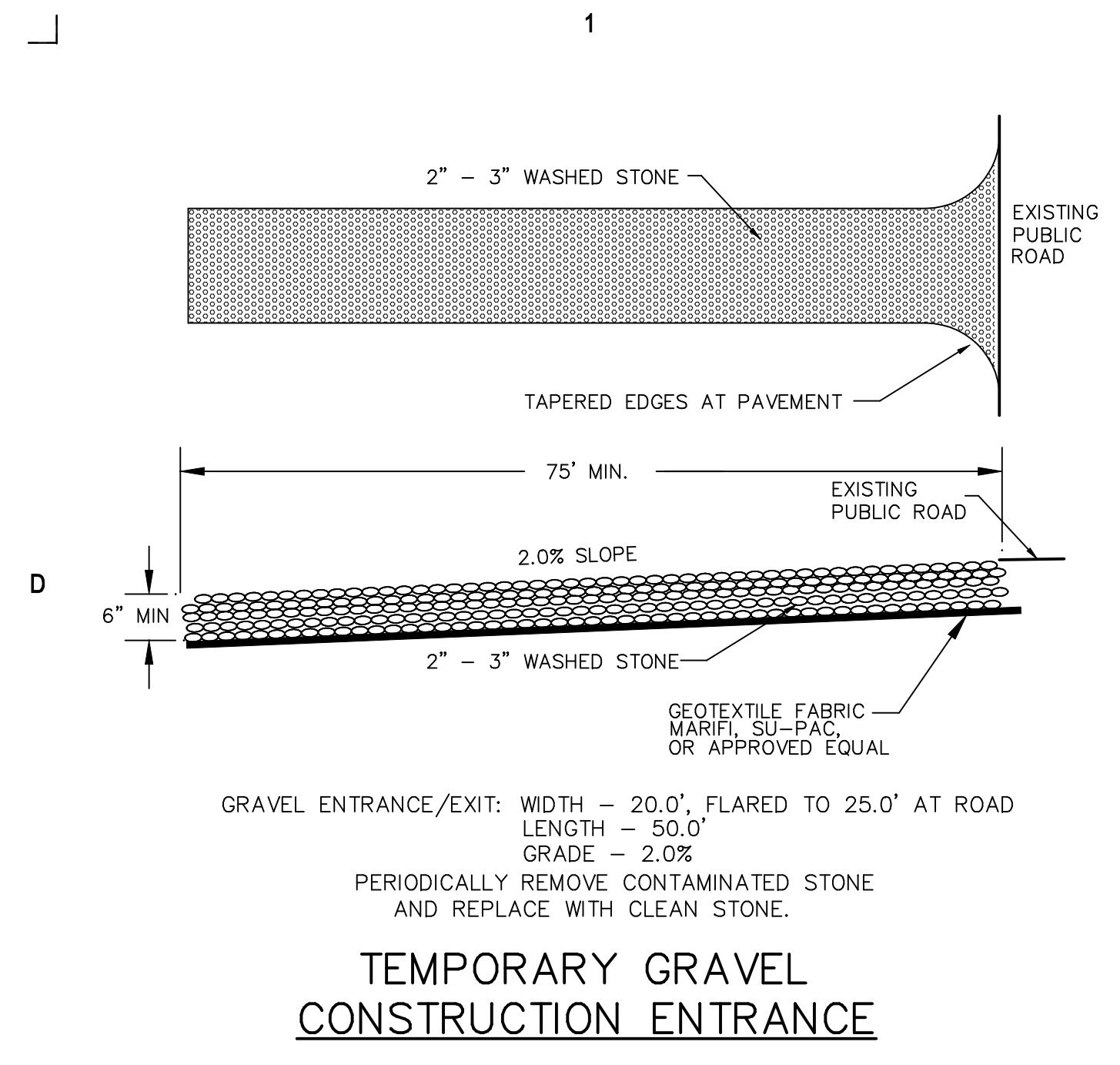
NO.	DATE	DESCRIPTION	BY
B	12/15/21	DO DEMO	WAB
C	01/31/22	GMP DEMO SET	WAB

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PRINCIPAL IN CHARGE: WAB
 PROJECT ENGINEER: WAB
 DRAWN BY: WAB/ELD

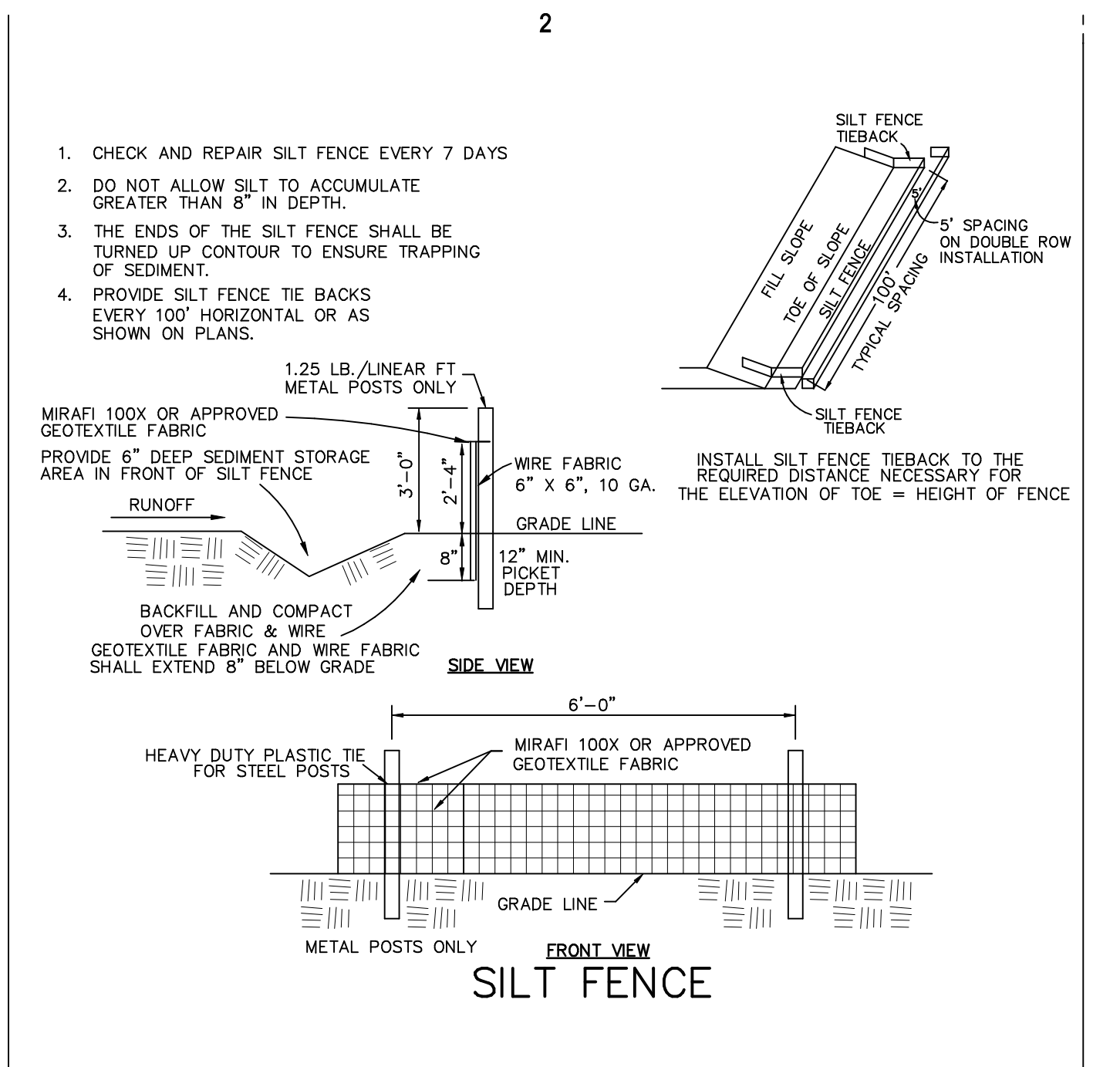
SITE PLAN

SHEET NO. **CD2.1** PROJ. NO. 020420.00



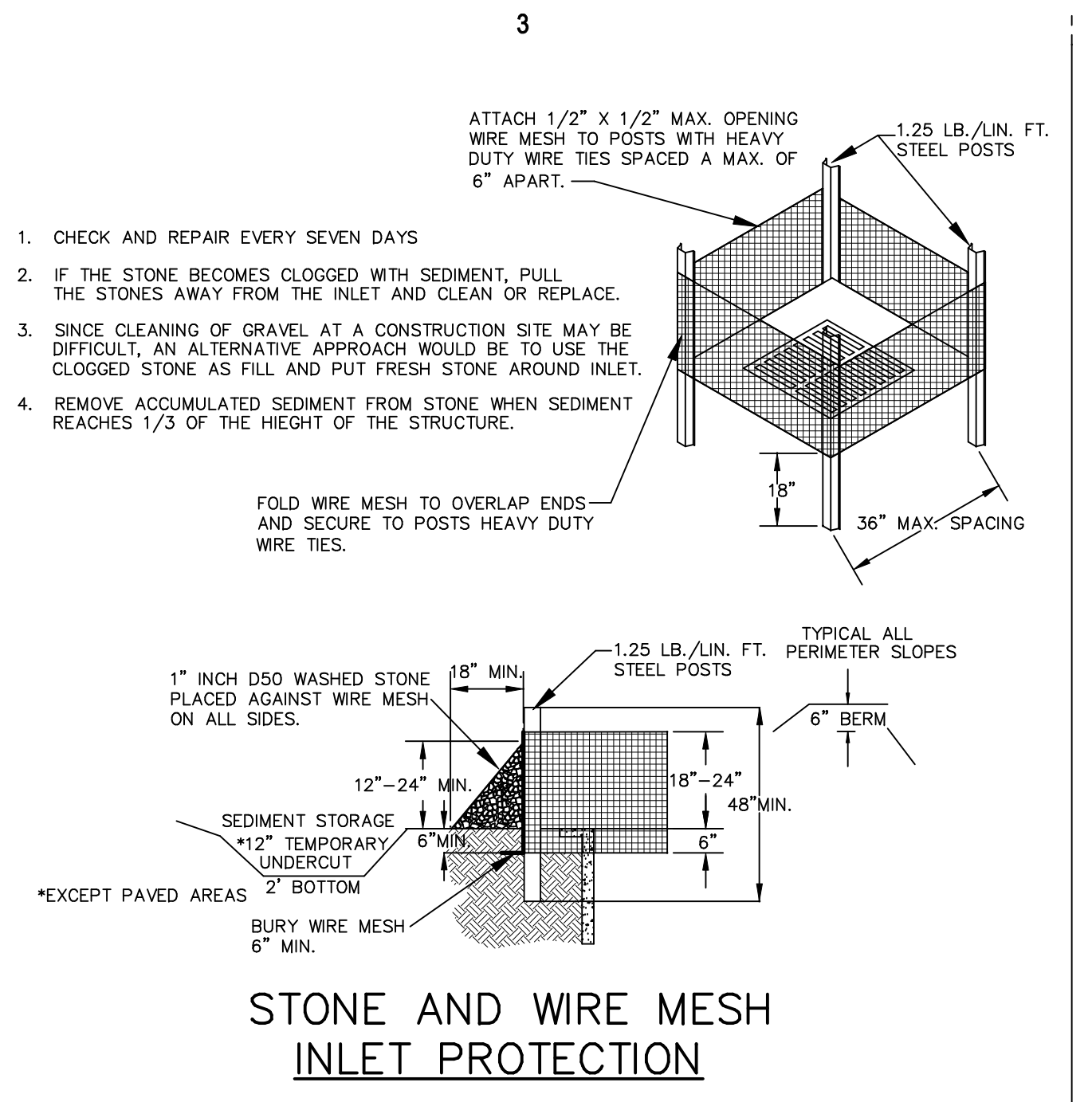
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

DETAIL 4.1A NOT TO SCALE



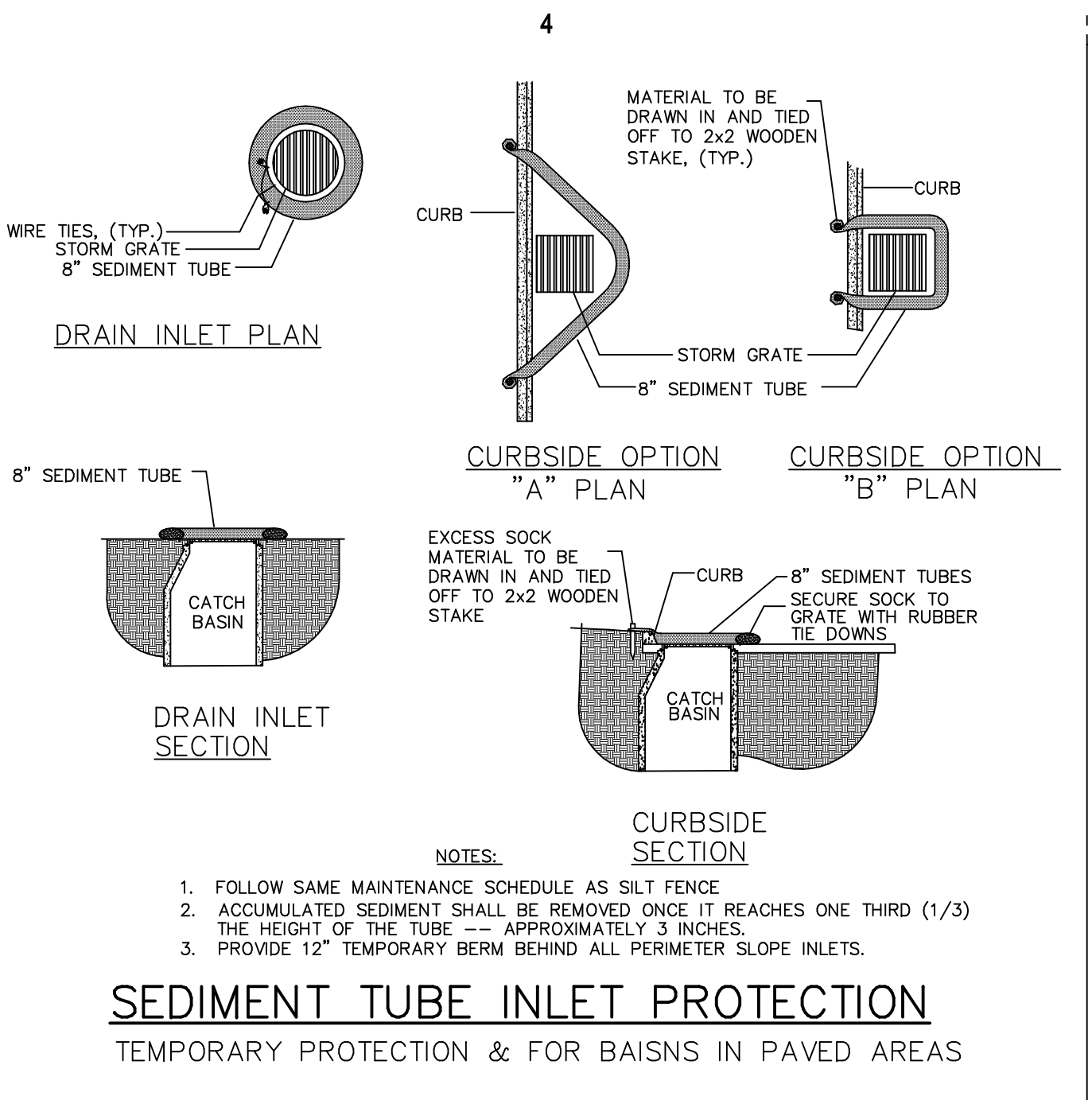
SILT FENCE

DETAIL 4.1B NOT TO SCALE



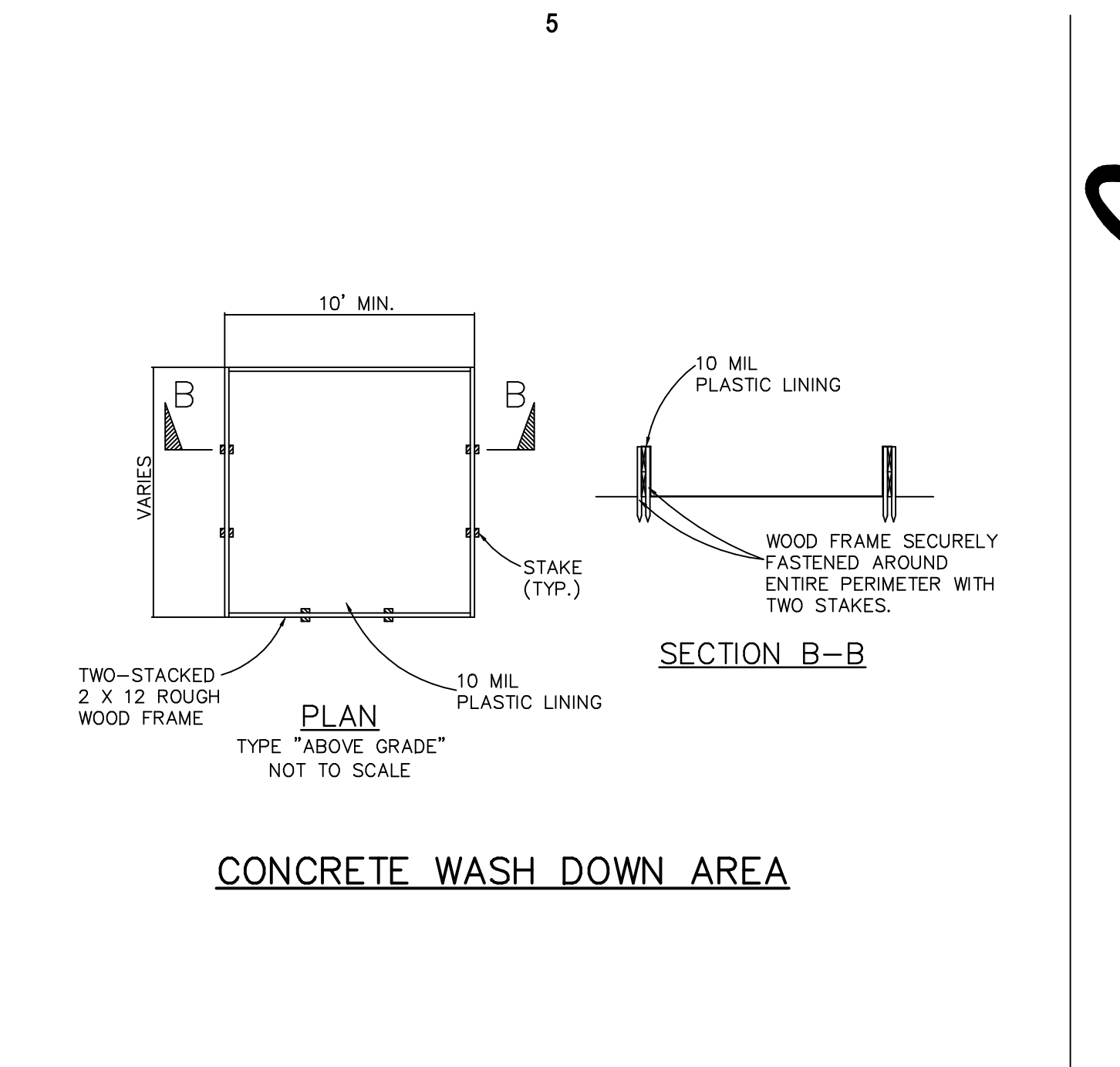
STONE AND WIRE MESH INLET PROTECTION

DETAIL 4.1C NOT TO SCALE



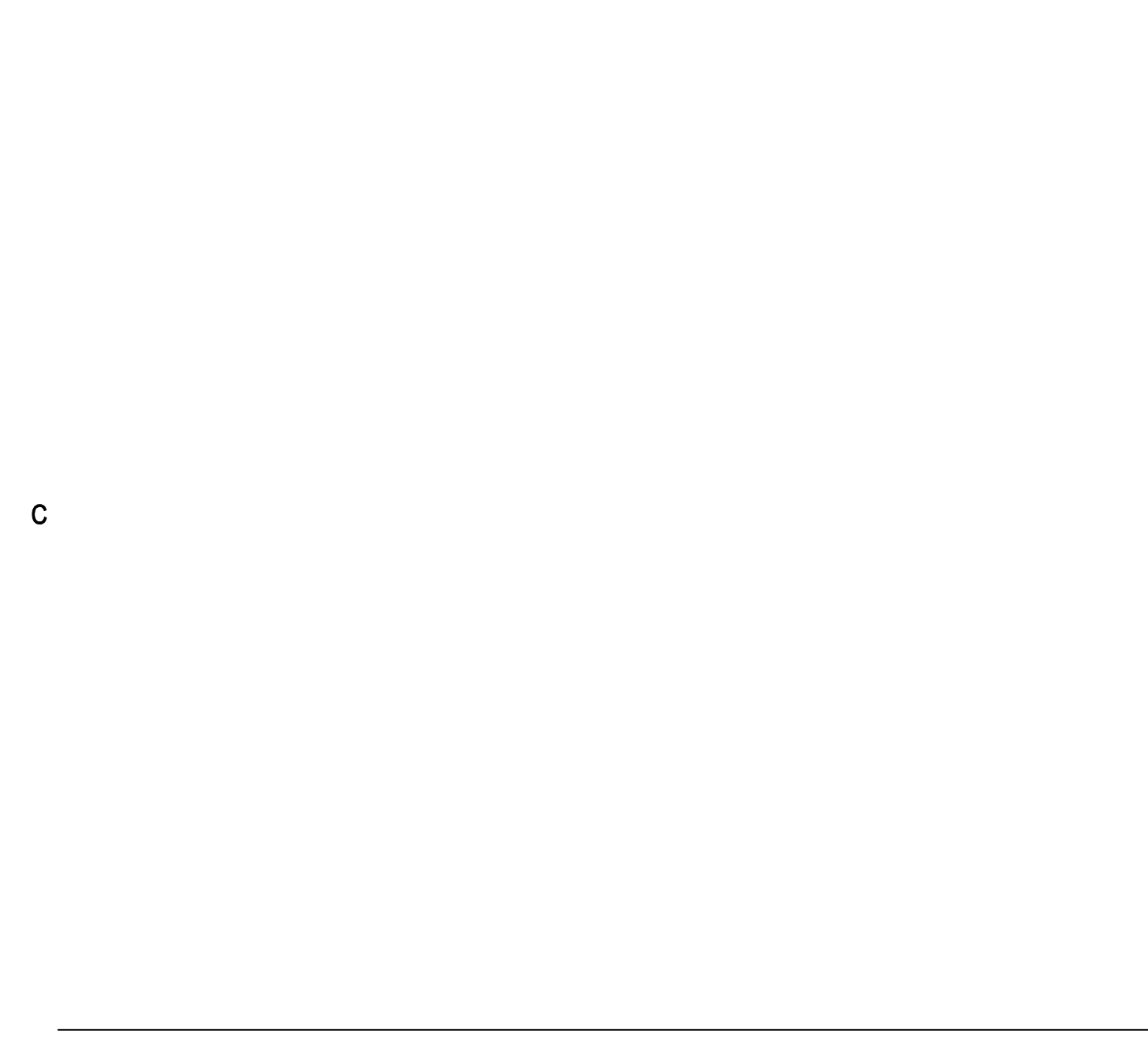
SEDIMENT TUBE INLET PROTECTION

DETAIL 4.1D NOT TO SCALE



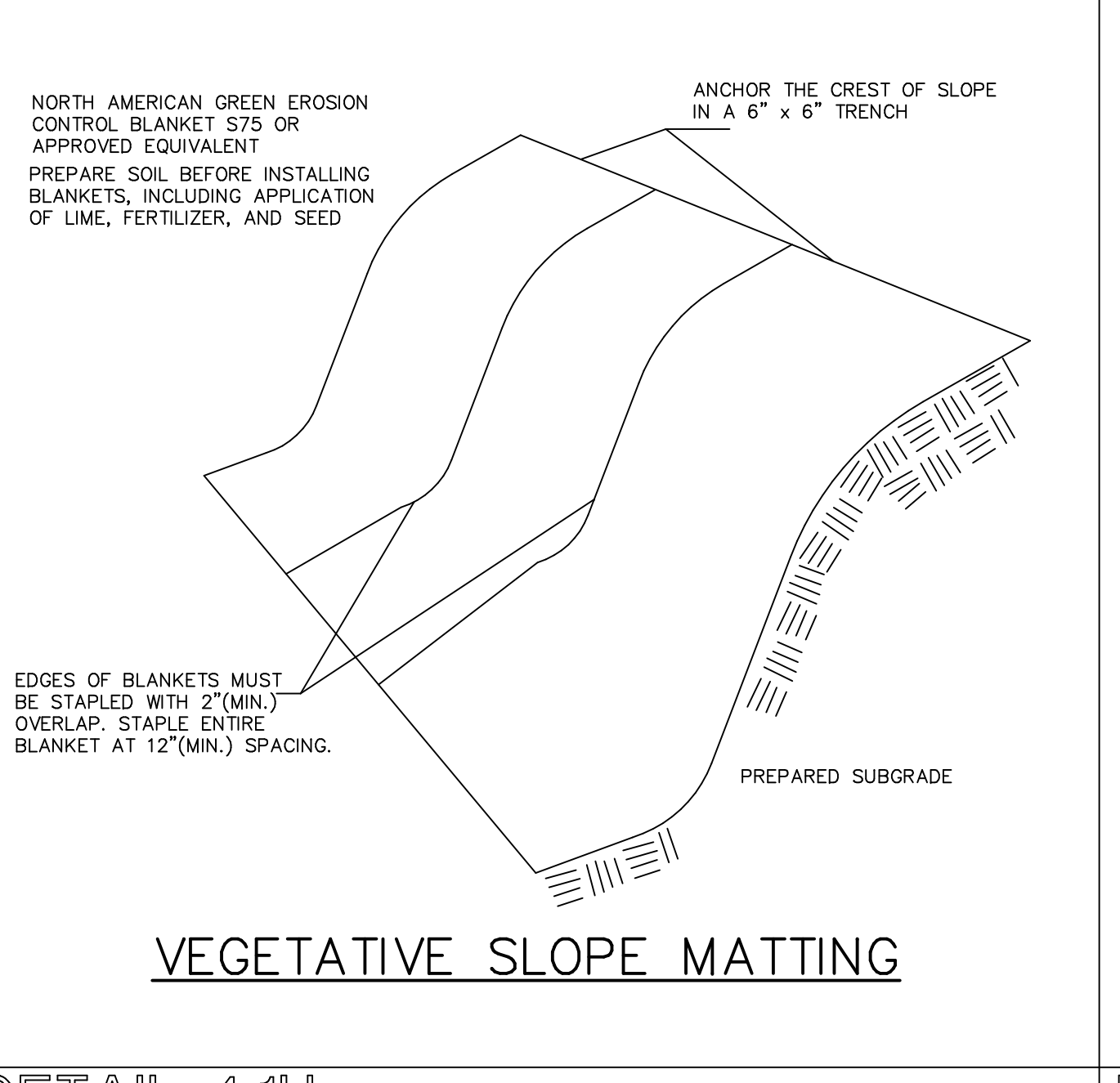
CONCRETE WASH DOWN AREA

DETAIL 4.1E NOT TO SCALE



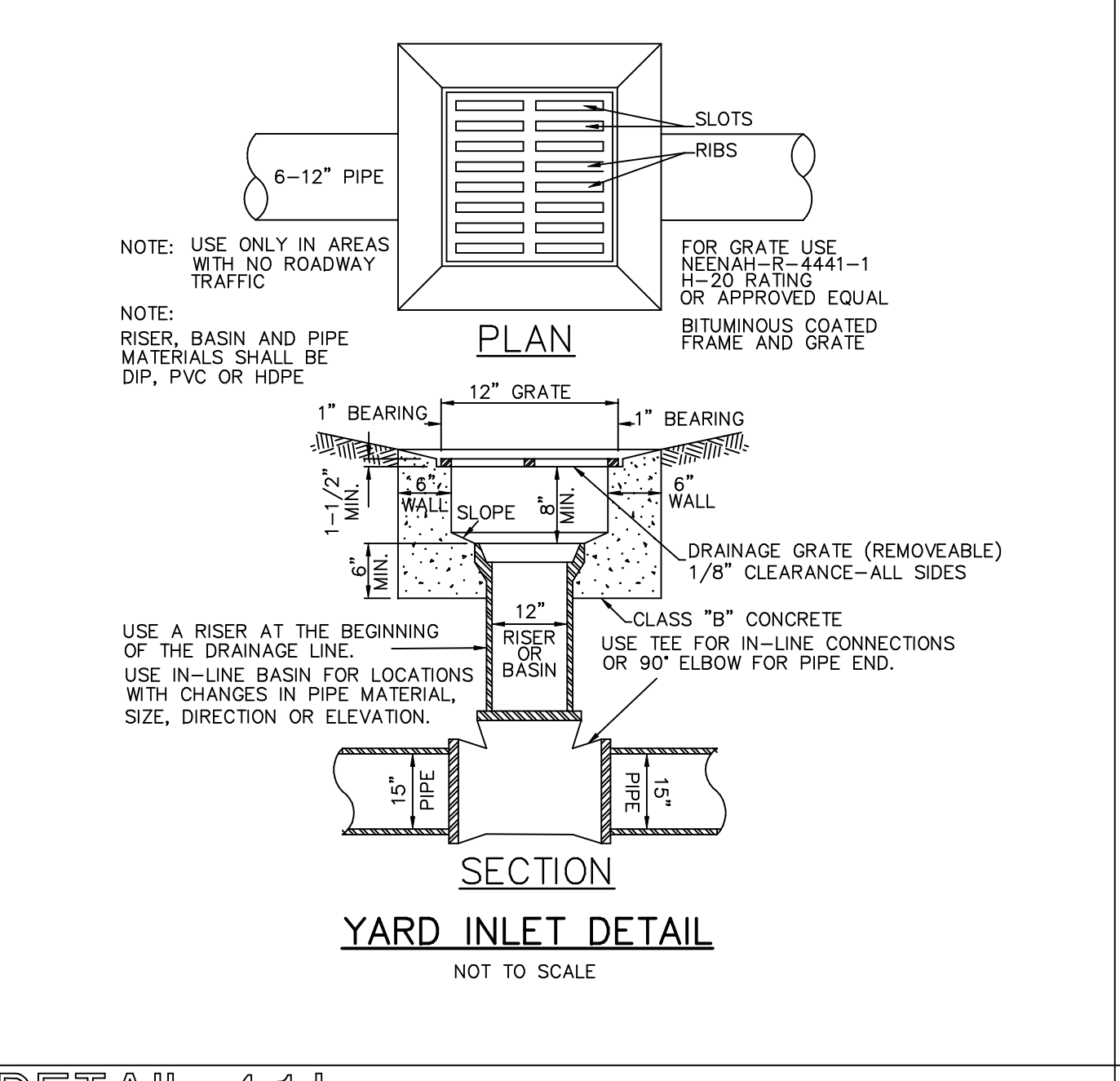
SLOPE TRACKING

DETAIL 4.1G NOT TO SCALE



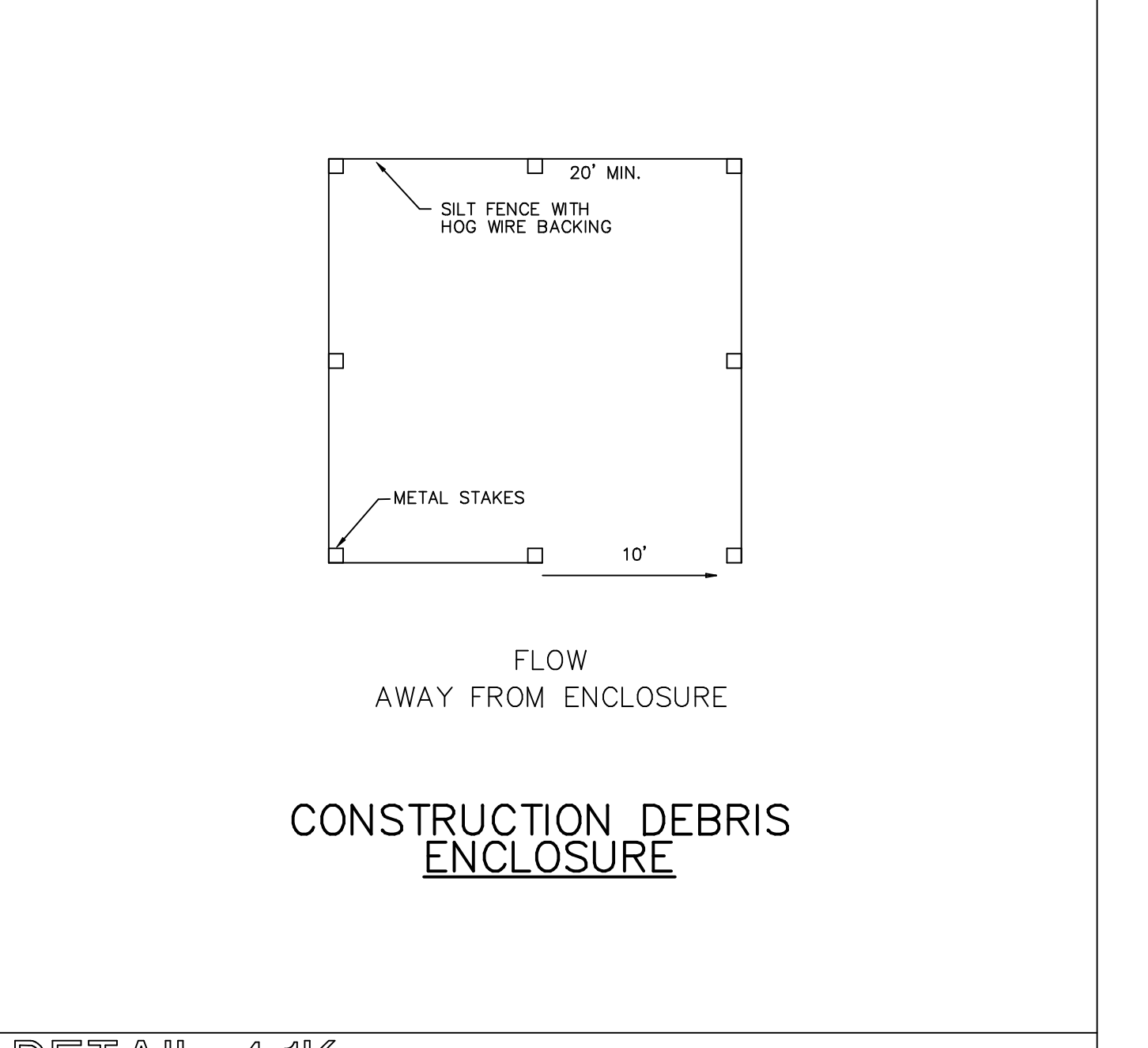
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DETAIL 4.1H NOT TO SCALE



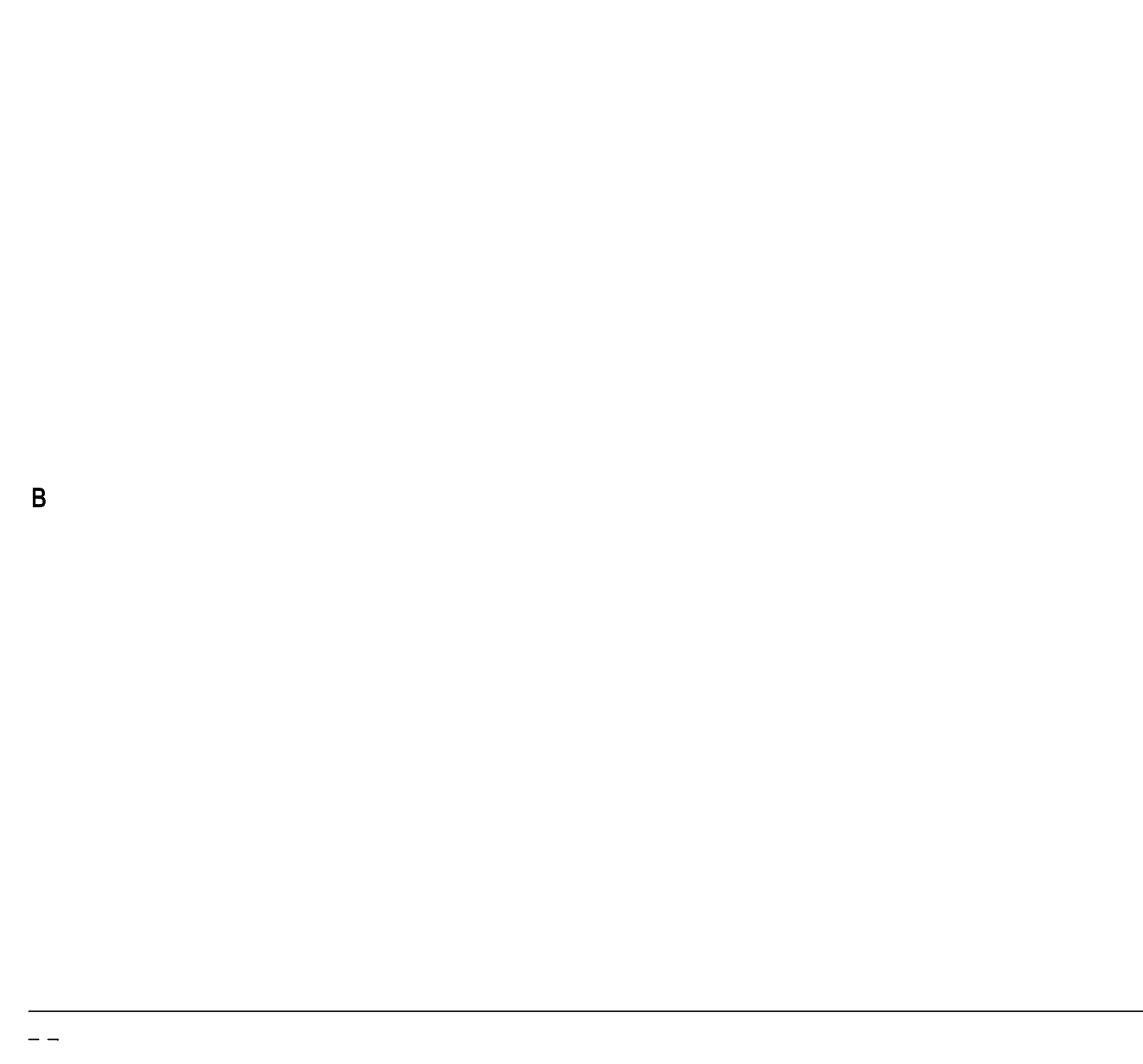
YARD INLET DETAIL

DETAIL 4.1J NOT TO SCALE

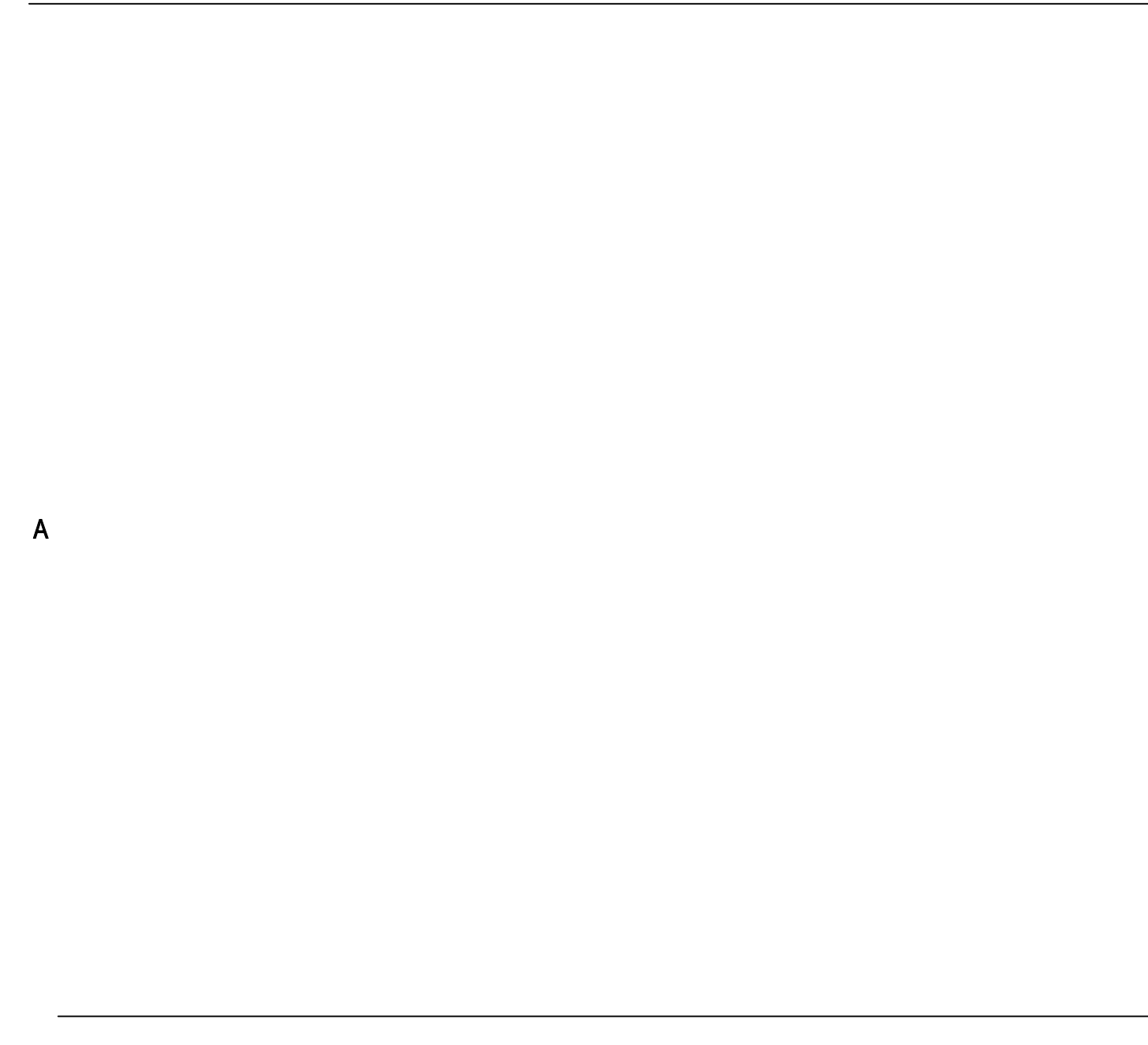


CONSTRUCTION DEBRIS ENCLOSURE

DETAIL 4.1K NOT TO SCALE

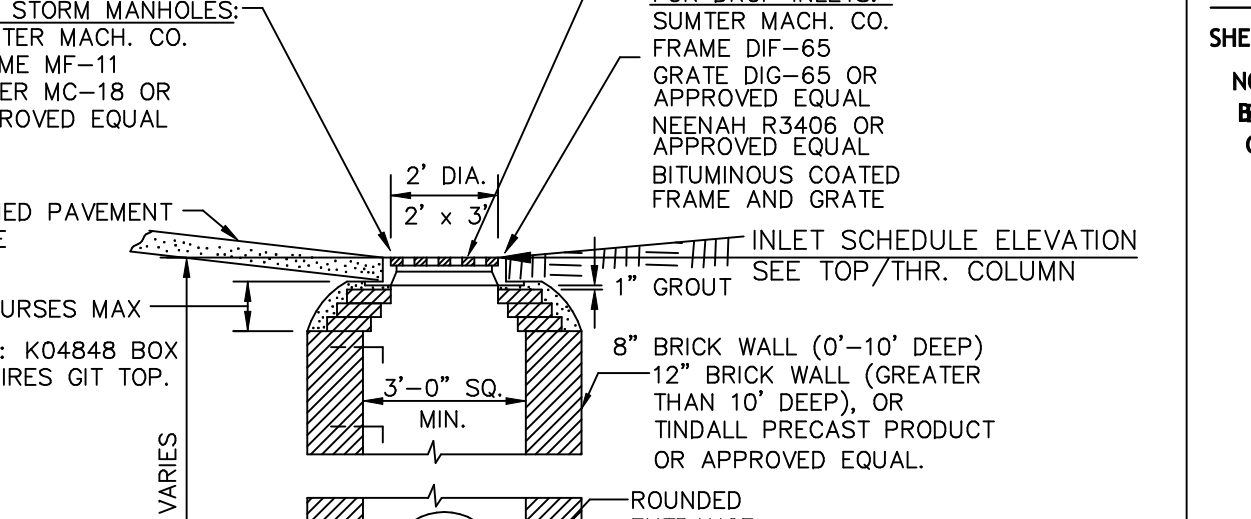
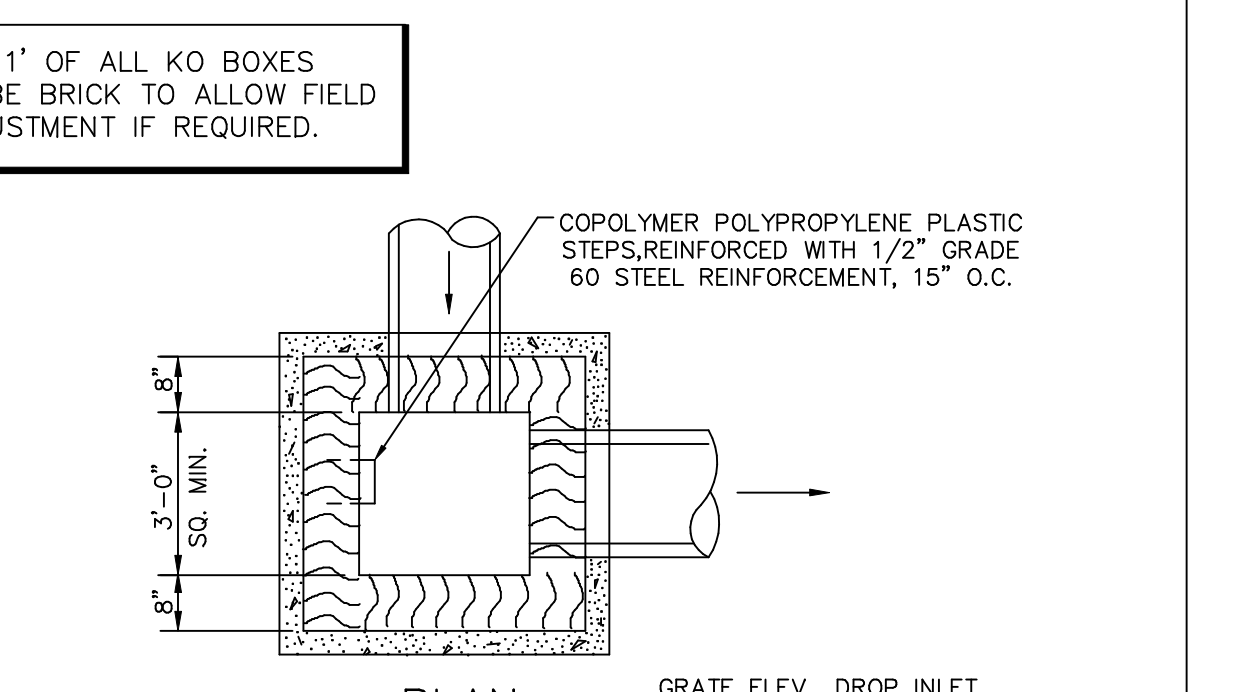


STANDARD GRATE INLET



STANDARD JUNCTION BOX

DETAIL 4.1P NOT TO SCALE



SCHEDULE OF GOVERNING DIMENSIONS FOR KO BOXES NOT EXCEEDING 7 FT. BURIAL DEPTH

KO BOX SIZE	MAXIMUM PIPE O.D. SHORT WALL	MAXIMUM PIPE O.D. LONG WALL
KO3448	33"	45"
KO4848	47"	47"

SCHEDULE OF GOVERNING DIMENSIONS FOR PIPE OVER 7 FT. DEPTH AND ROUND STRUCTURES

MANHOLE #	MAXIMUM PIPE O.D. FOR 0° DEFLECTION	MAXIMUM PIPE O.D. FOR 90° DEFLECTION
4"	34"	28"
5"	46"	37"
6"	55"	45"
7"	70"	54"
8"	82"	62"
10"	88"	79"

mcmillan pazzdan smith ARCHITECTURE

BAI BLACKWOOD ASSOCIATES INC. CONSULTING ENGINEERS

160 E. MAIN STREET DUNCAN, SC 29534

SPARTANBURG SCHOOL DISTRICT FIVE

JAMES F. BYRNES HIGH SCHOOL PHASE 2 DEMOLITION

160 E. MAIN STREET DUNCAN, SC 29534

SHEET ISSUE:

NO.	DATE	DESCRIPTION	BY
1B	12/15/21	DD DEMO	WAB
1C	01/31/22	GMP DEMO SET	WAB

PRINCIPAL IN CHARGE: WAB

PROJECT ENGINEER: WAB

DRAWN BY: WAB/ELD

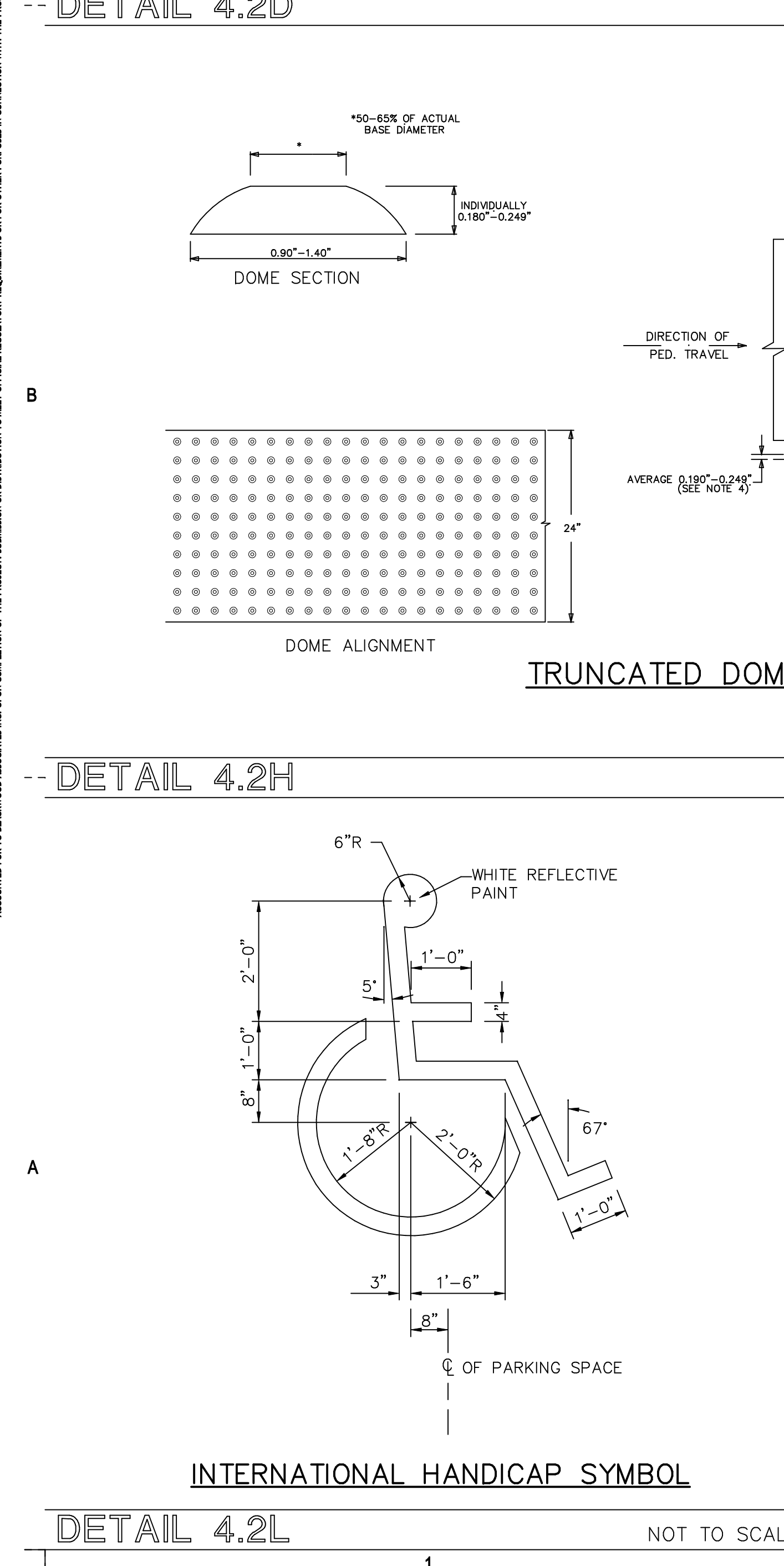
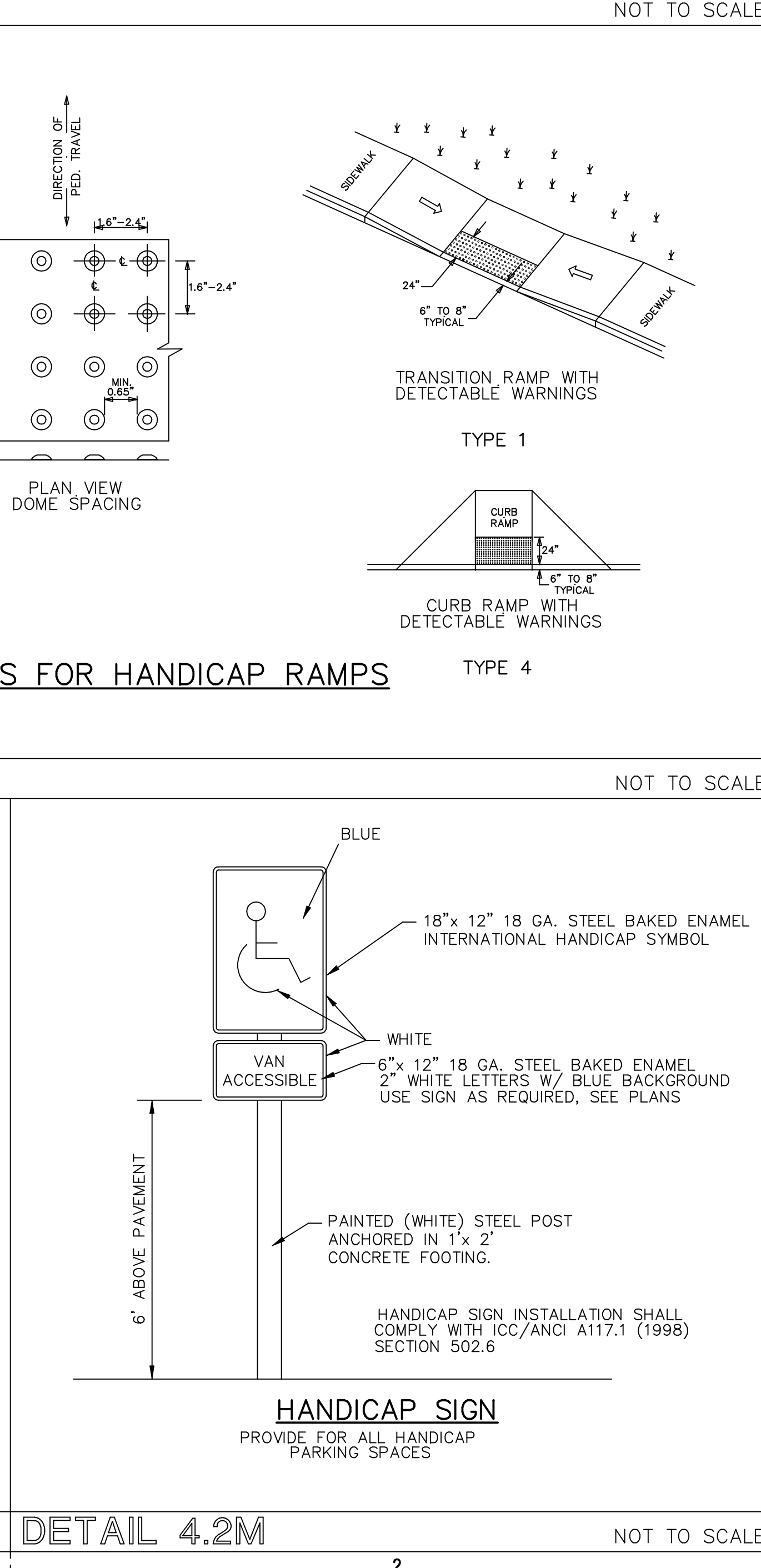
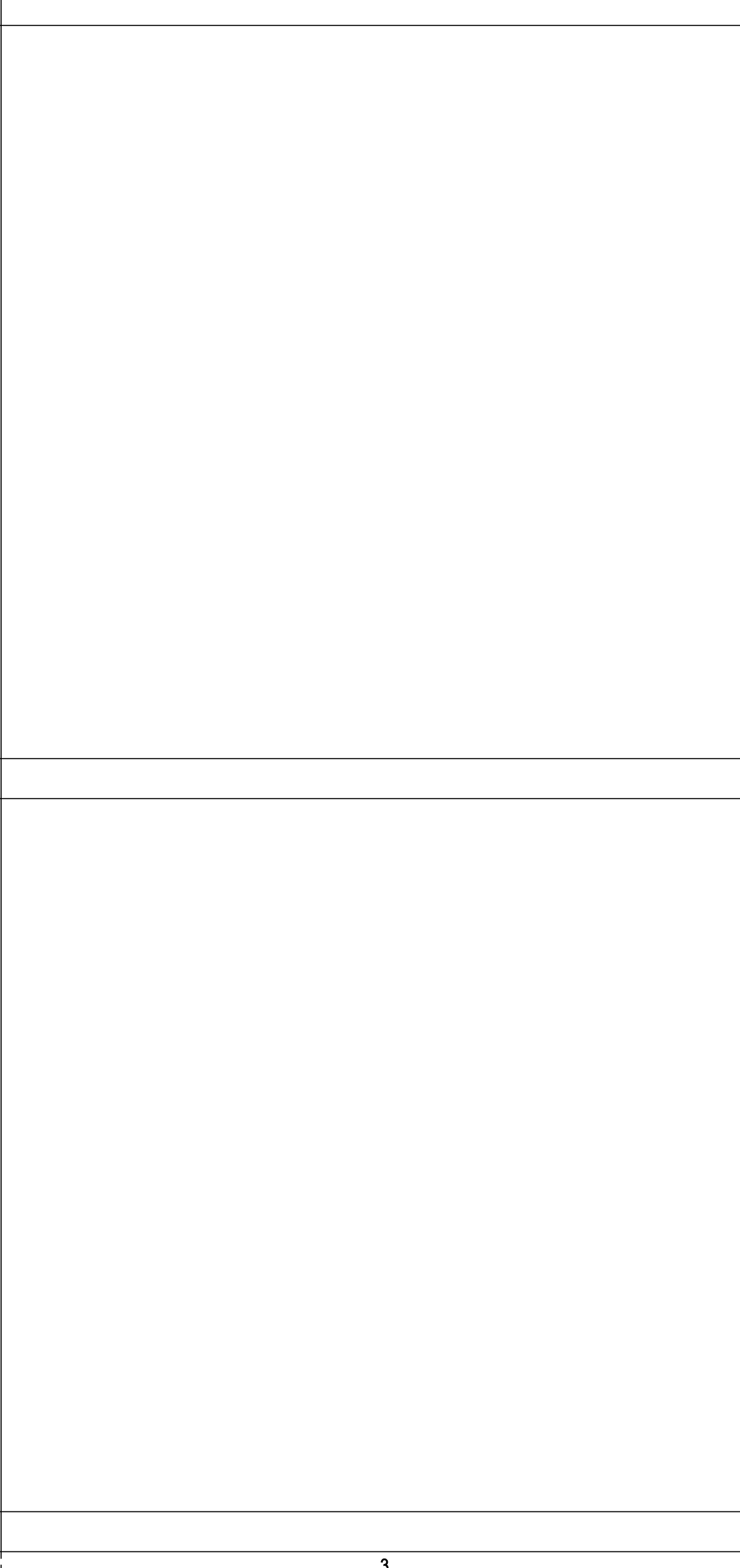
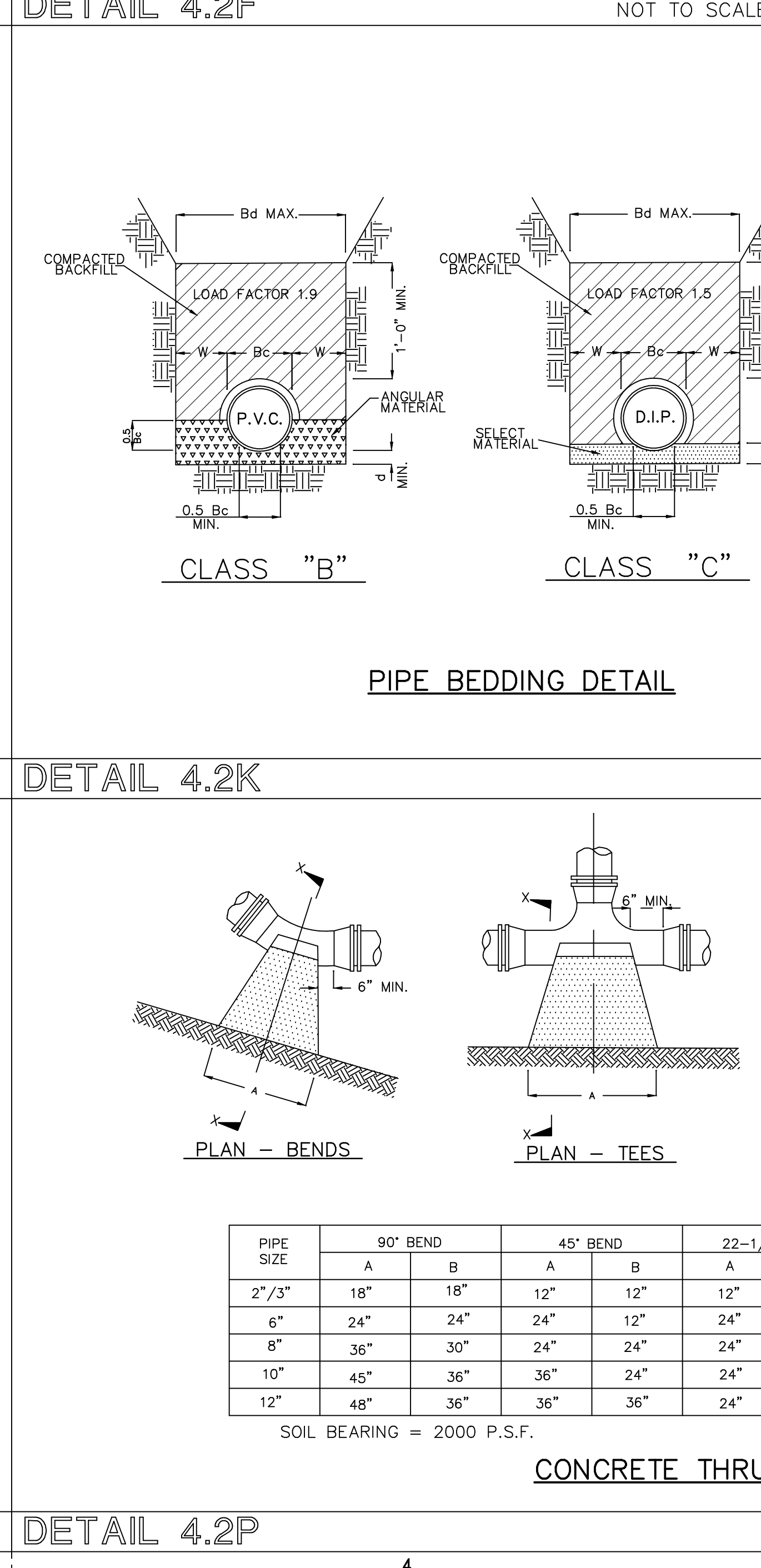
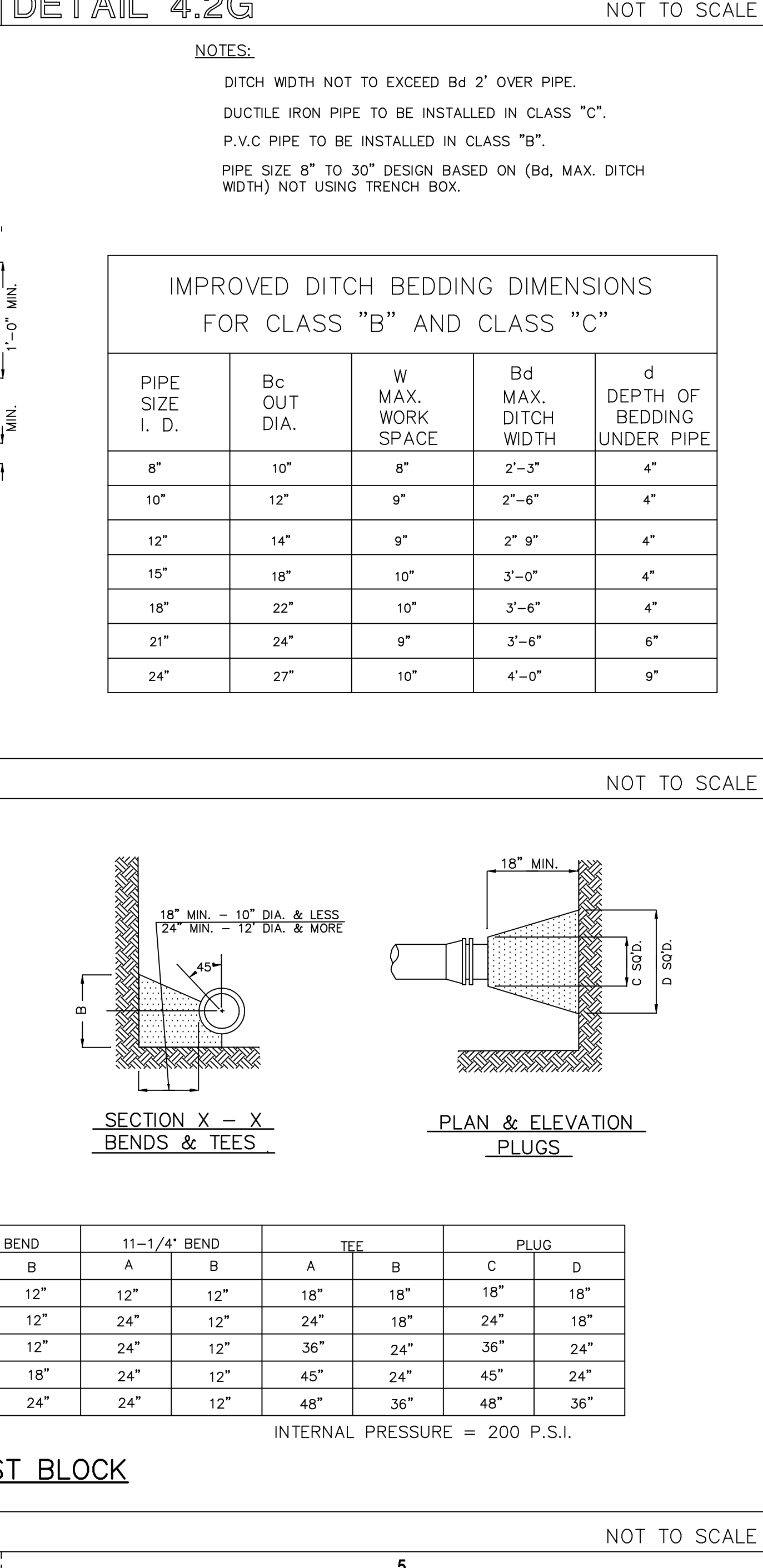
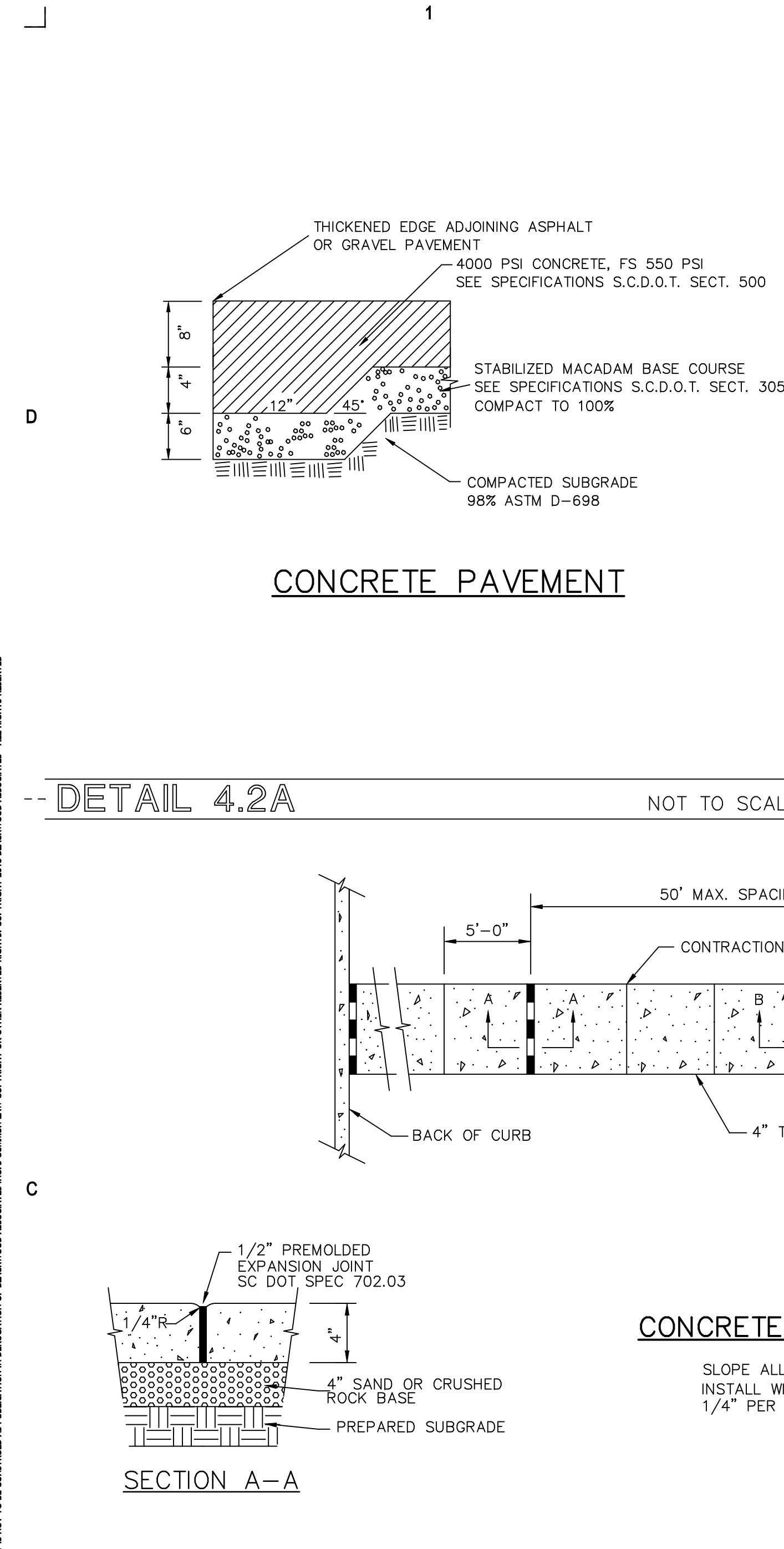
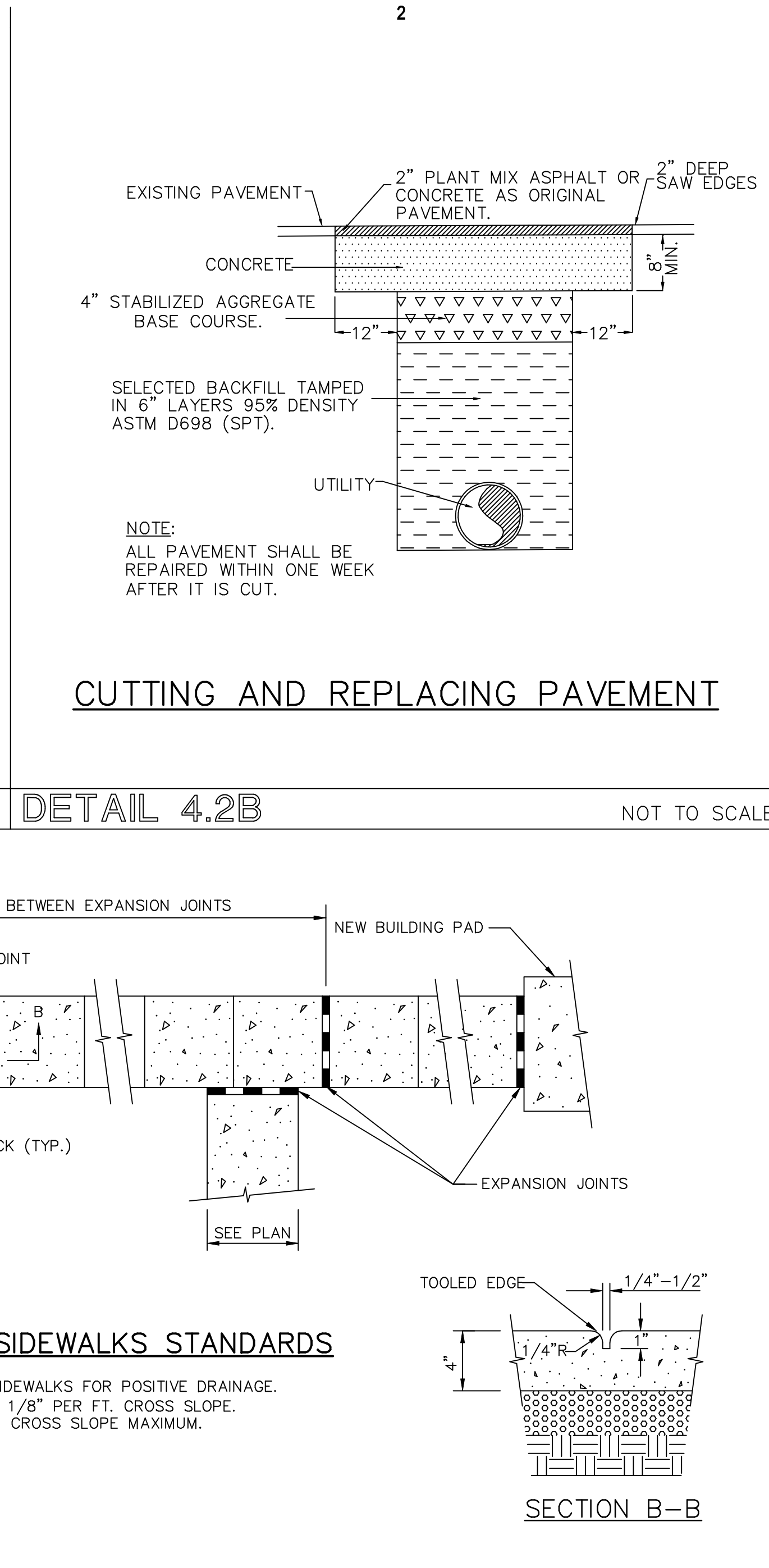
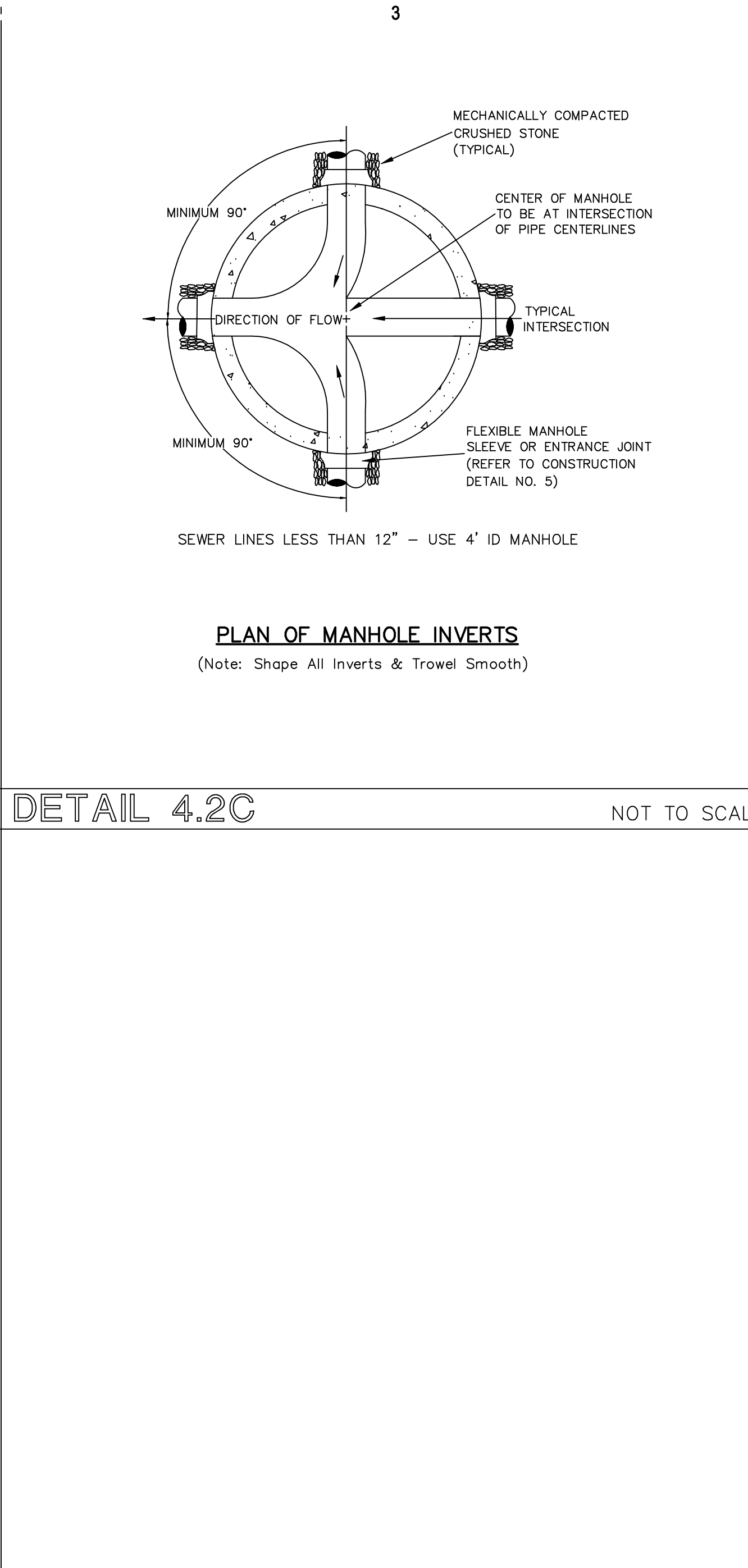
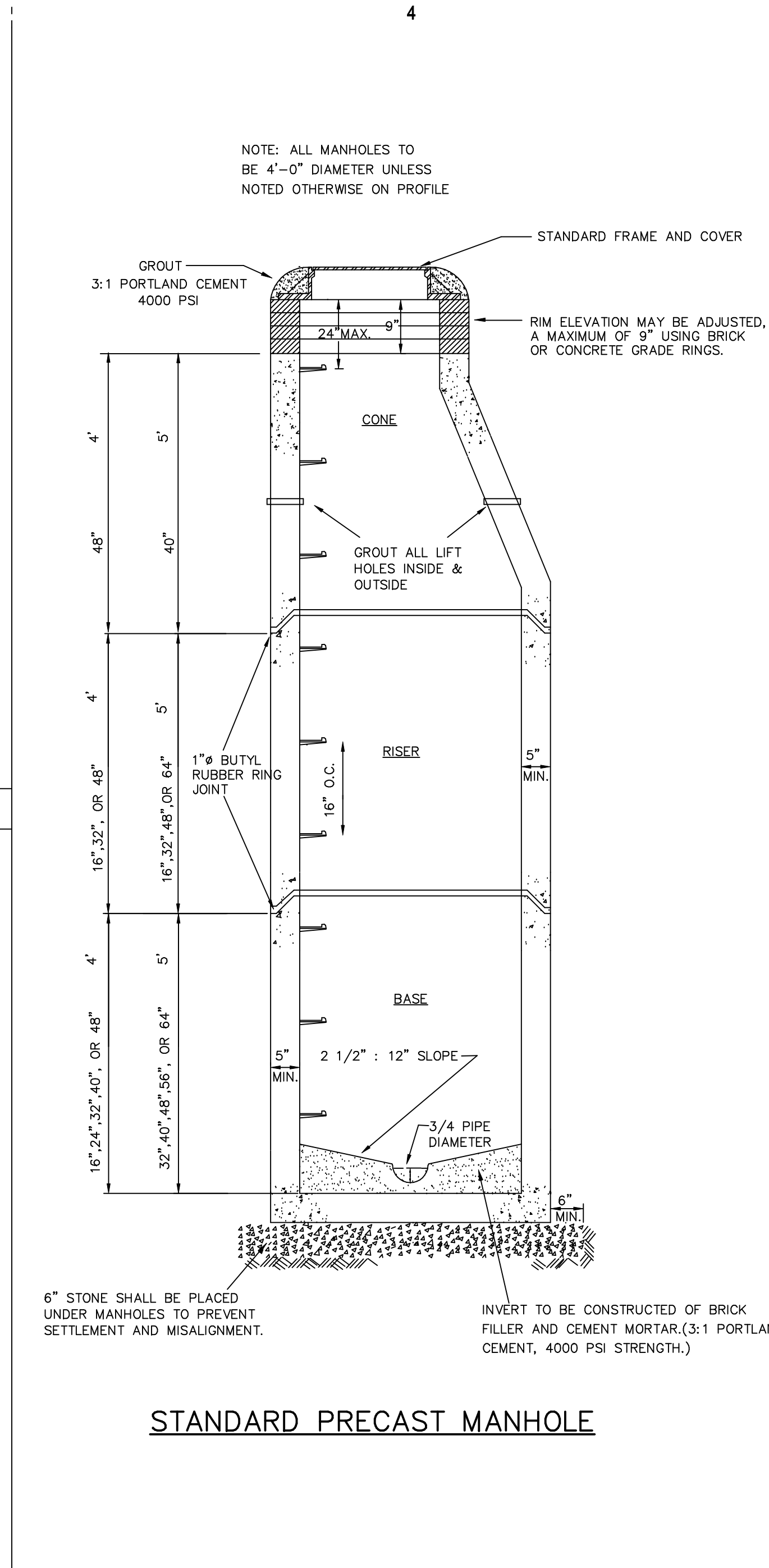
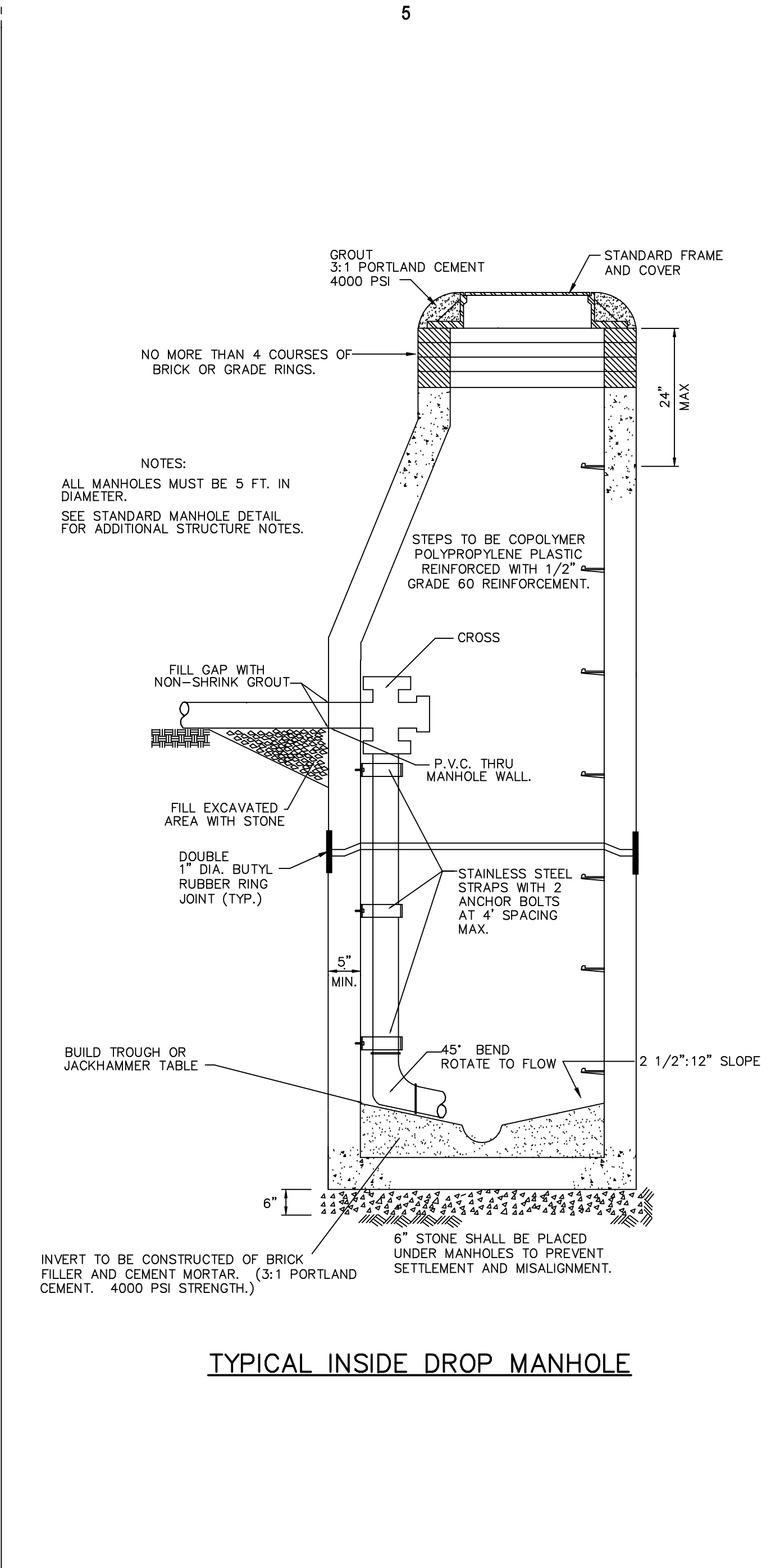
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SHEET NO. 020420.00

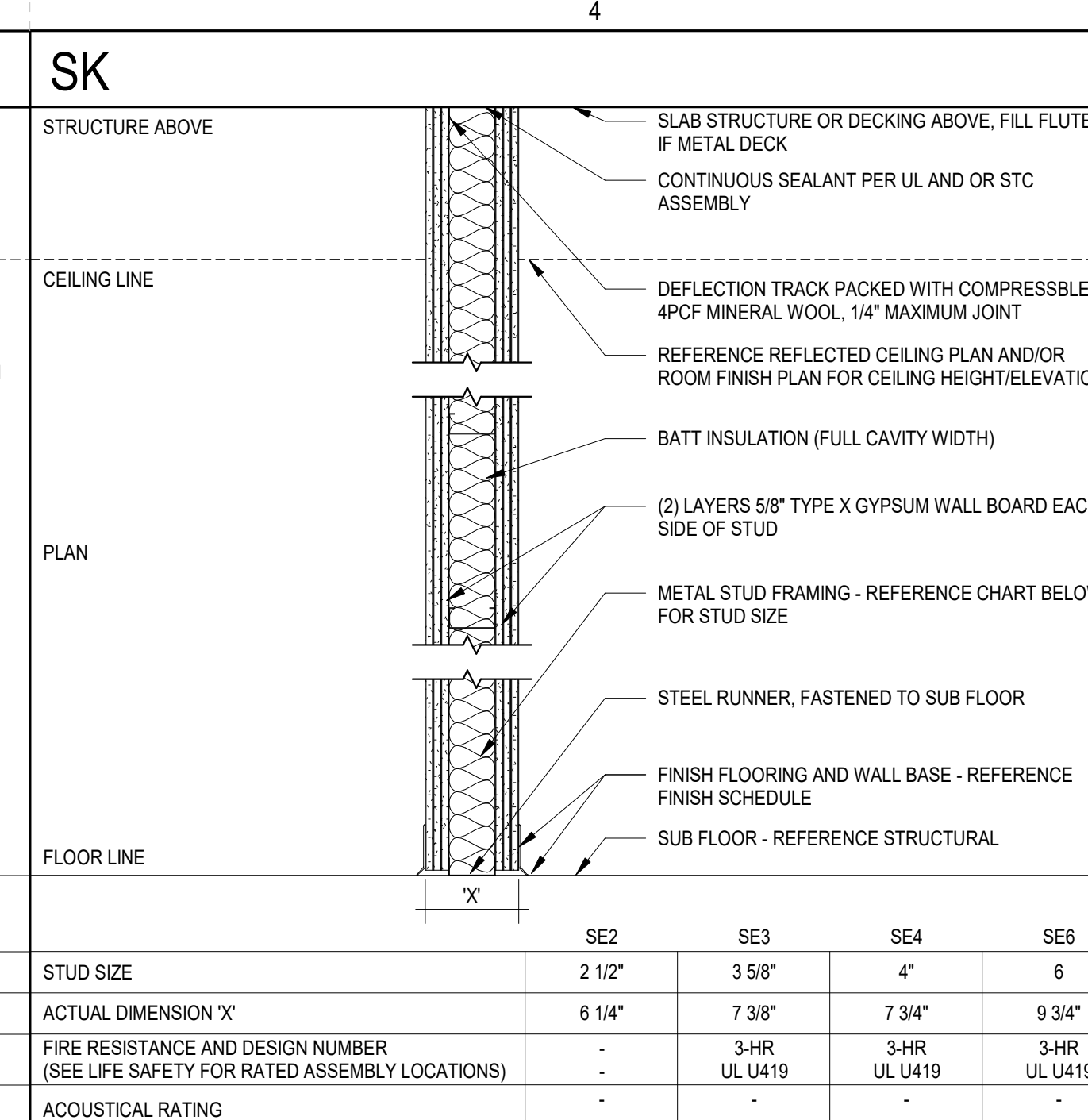
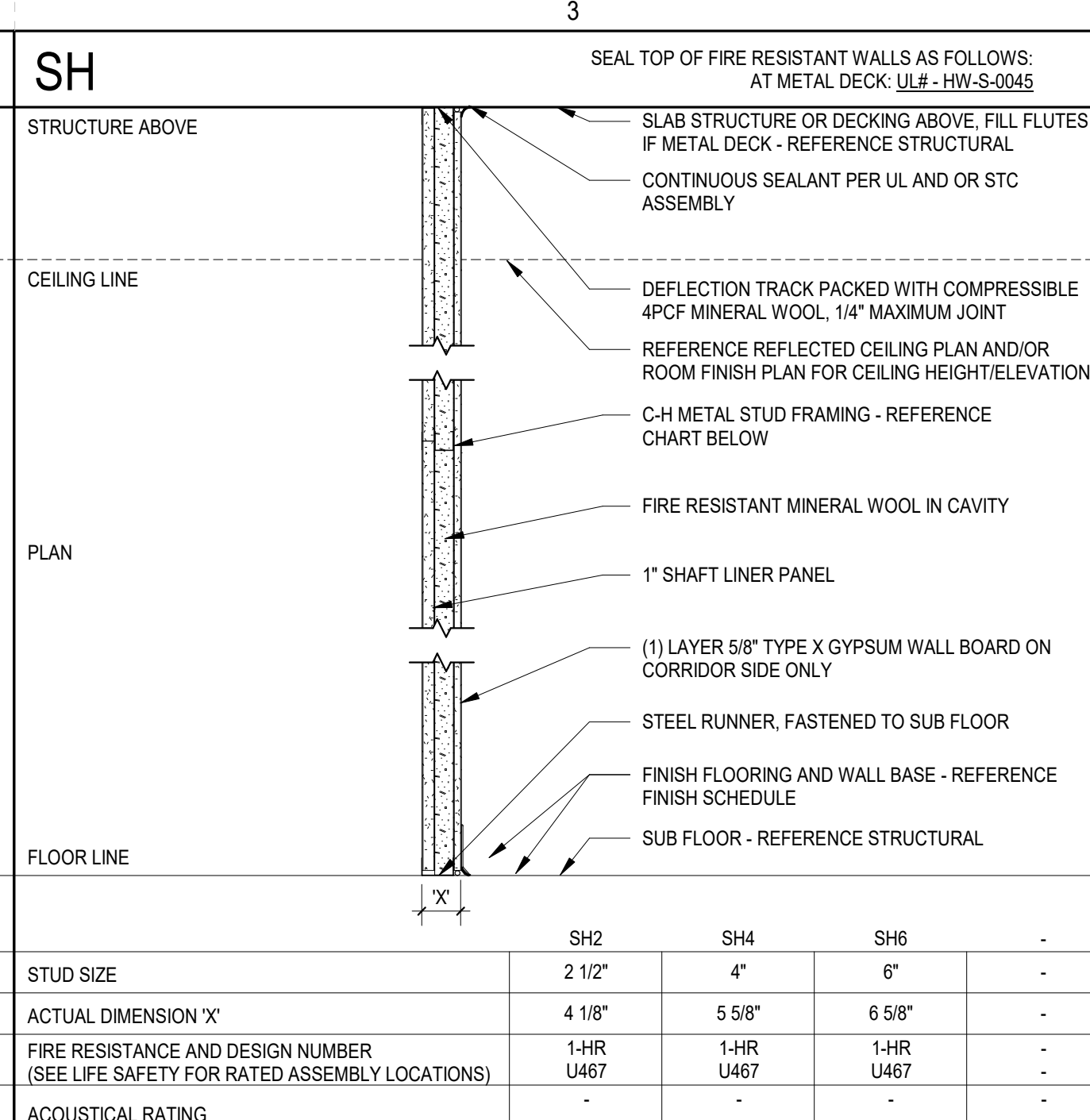
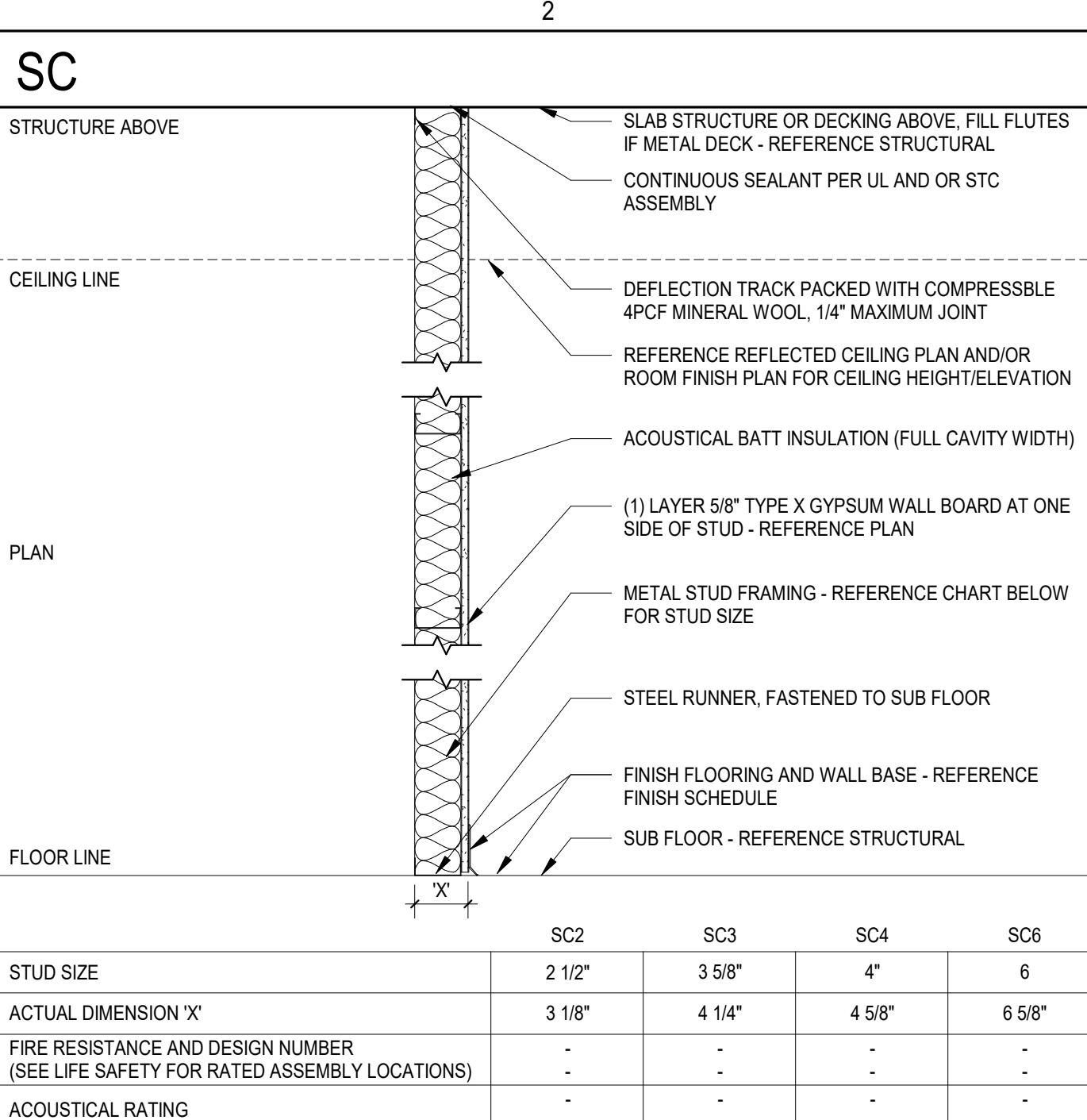
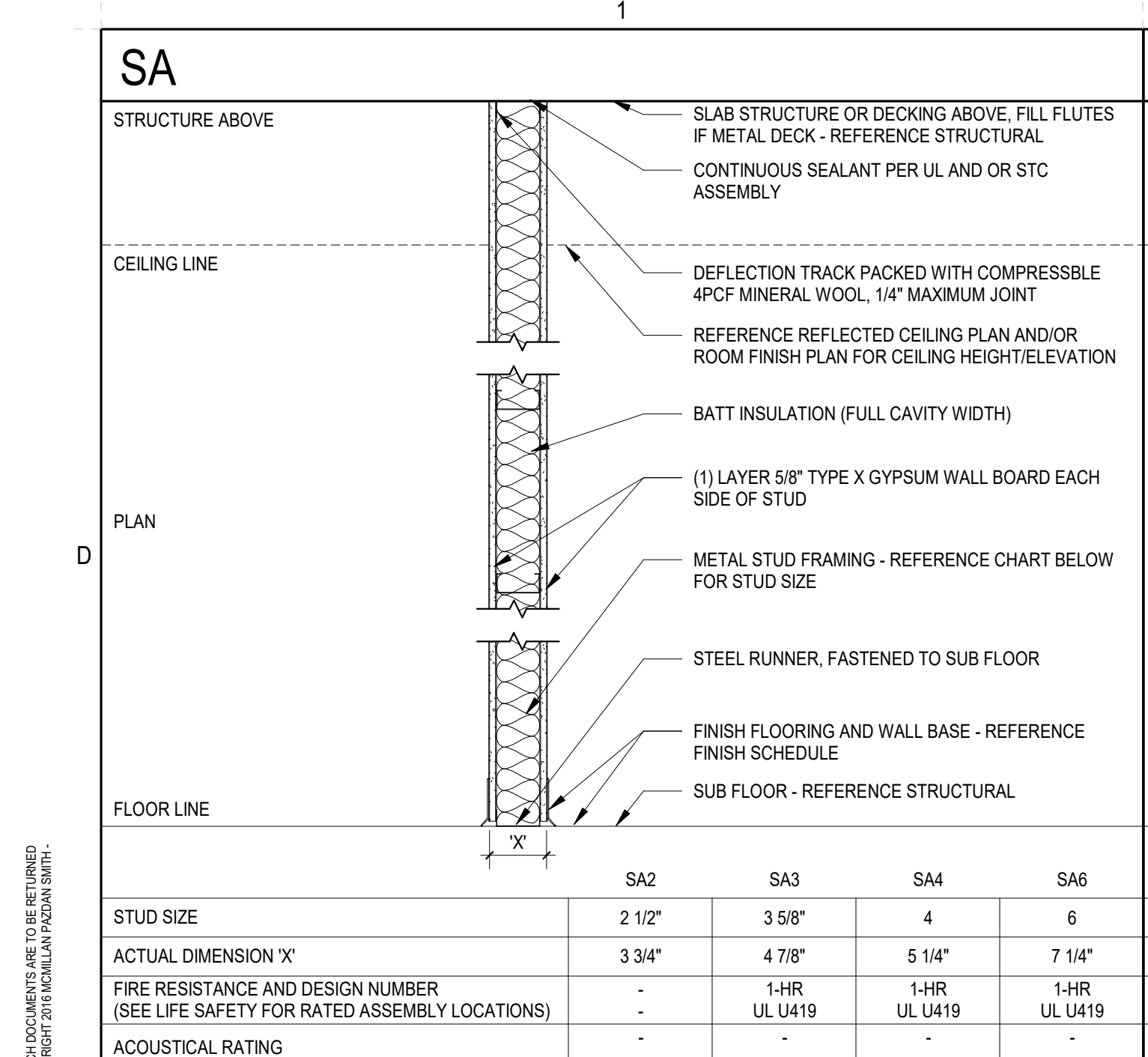
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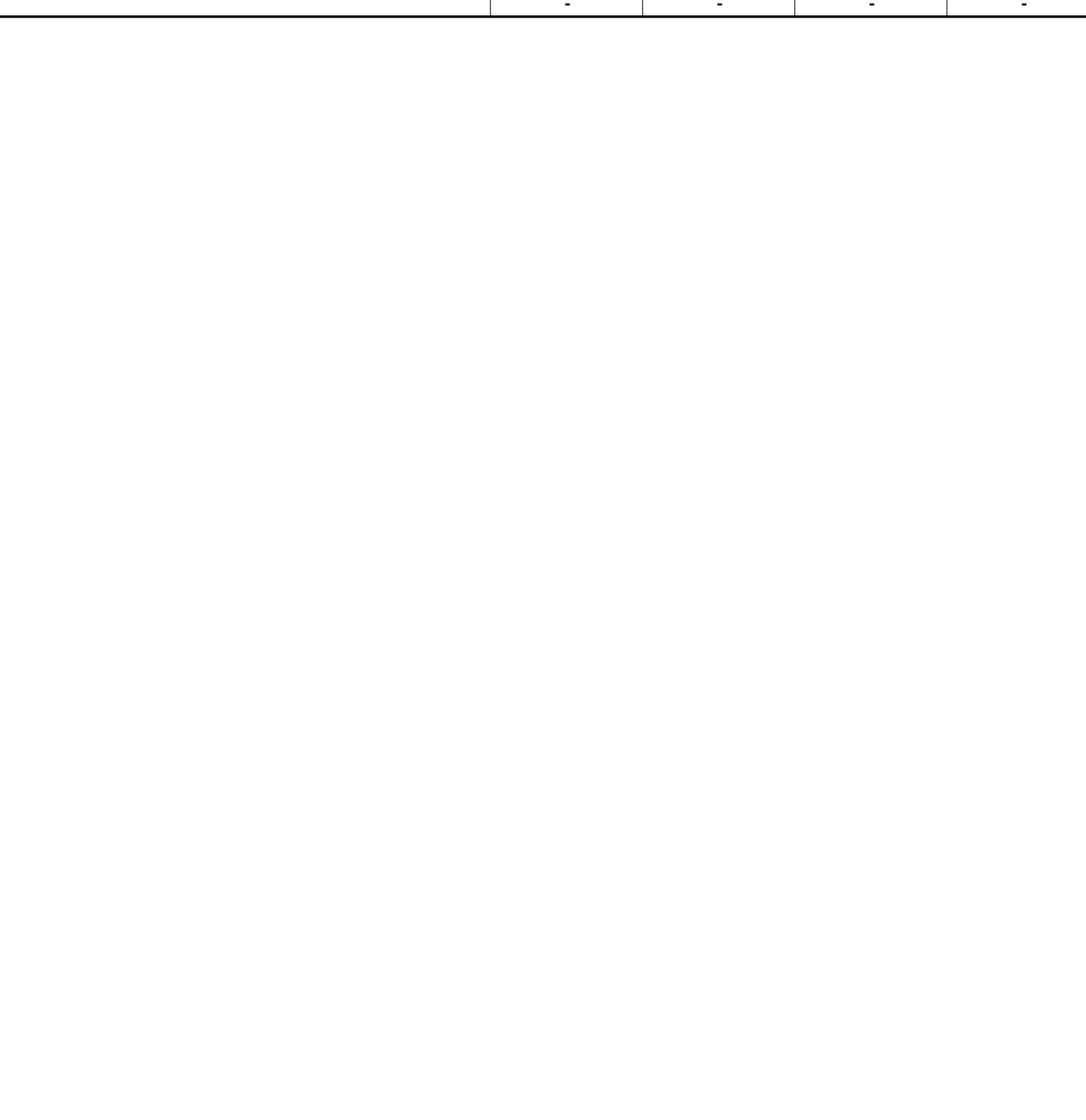
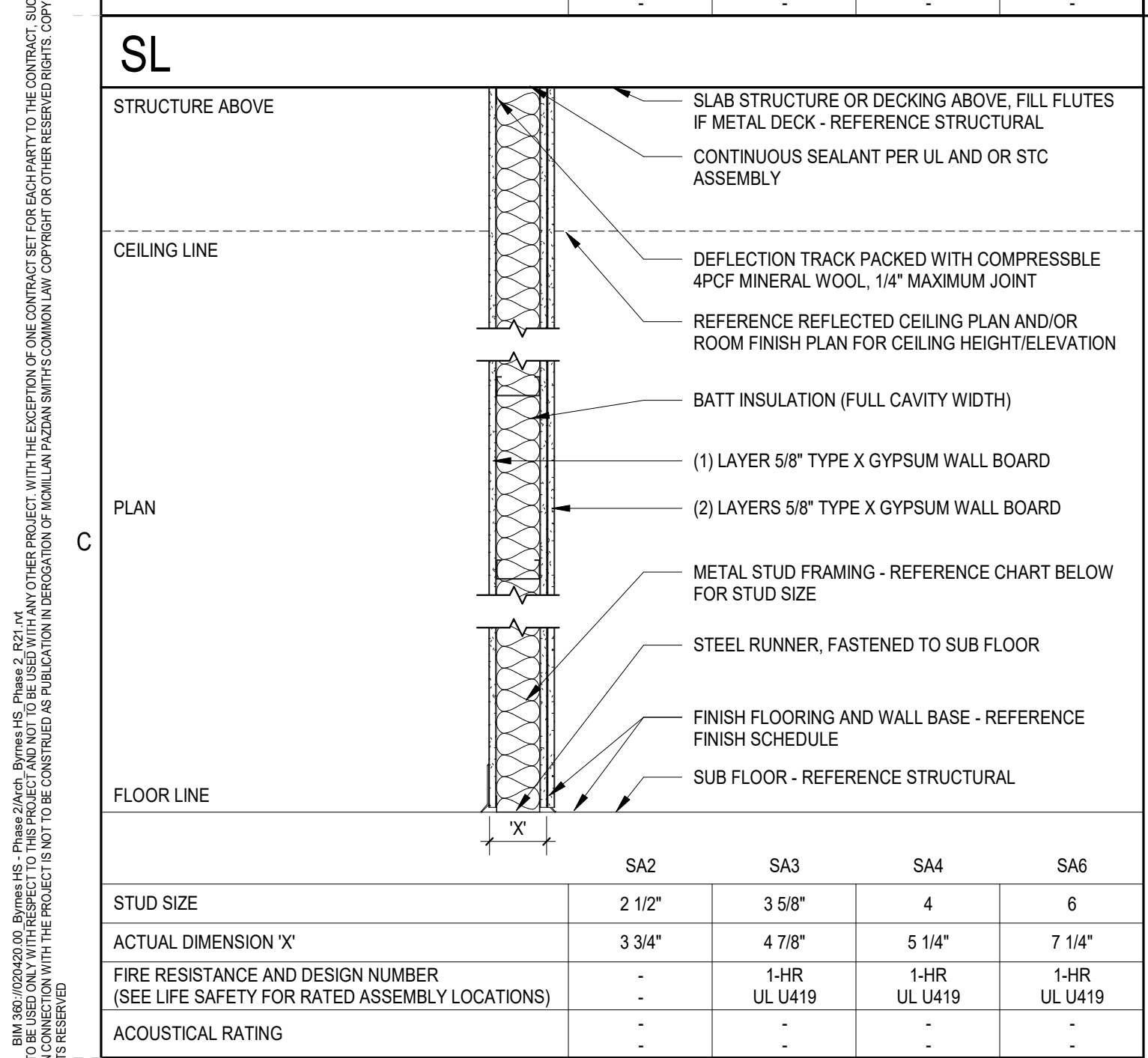


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GENERAL PARTITION NOTES

- PLAN DIMENSIONS ARE FACE OF STUD, CMU OR FINISH FACE OF EXISTING WALL CONSTRUCTION UNLESS SPECIFICALLY NOTED OTHERWISE
- GYPSUM WALL BOARD LAYERS ON RATED WALLS SHALL BE CONTINUOUS THROUGH ALL INTERSECTIONS WITH NON-RATED WALLS. REFER TO FIRE WALL PRIORITY DIAGRAM
- REFERENCE ALL FLOOR PLANS AND LIFE SAFETY PLANS FOR RATED WALL LOCATIONS AND RATINGS
- PROVIDE TYPE X, MOLD AND MOISTURE RESISTANT GYPSUM WALL BOARD IN ALL TOILET AND JANITOR ROOMS
- PROVIDE CEMENT BOARD IN ALL WET SHOWER AREA WALLS WITH TILE FINISH
- PROVIDE IMPACT RESISTANT GYPSUM WALL BOARD UP TO 4'-0" IN ALL LOBBIES, CORRIDORS, AND STAIRWELLS
- AT ALL JOINTS AT TOP OF ALL FIRE RATED PARTITIONS: PROVIDE COMPLETE UL LISTED FIRE RESISTIVE JOINT SYSTEM TO MATCH FIRE RESISTANCE OF WALL ASSEMBLY AND THAT IS ALSO COMPATIBLE WITH JOINT SUBSTRATES
- ANY PORTION OF GYPSUM WALL BOARD THAT BECOMES WET OR SHOWS SIGNS OF MOISTURE DAMAGE, EITHER BEFORE OR AFTER INSTALLATION, IS TO BE REMOVED IMMEDIATELY AND REPLACED WITH NEW DRY GYPSUM WALL BOARD
- INTERIOR PARTITIONS MAY HAVE ADDITIONAL FINISHES. REFERENCE FINISH SCHEDULE AND DETAIL SHEETS FOR ADDITIONAL INFORMATION
- PROVIDE PROJECT SPECIFIC DELEGATED DESIGN DATA INCLUDING STUD SPACING, STUD GAUGE BRACING AND DEFLECTION
- SOUND ATTENUATION BLANKET IS REQUIRED AT ALL INTERIOR PARTITIONS AND SHALL RUN FULL HEIGHT OF PARTITION UNLESS NOTED OTHERWISE. SOUND ATTENUATION BATT SHALL BE AS FOLLOWS:
 - FIRE RESISTANT PARTITIONS: MINERAL WOOL SOUND ATTENUATION FIRE BLANKET (SAB) - FULL STUD DEPTH
 - NON-RATED PARTITIONS: UNFACED FIBERGLASS SOUND ATTENUATION BATTS (SAB) - FULL STUD DEPTH
- MINOR WALLS OR OTHER WALLS NOT TAGGED WILL BE OF THE SAME WALL TYPE AS ADJACENT WALLS (UNLESS OTHERWISE NOTED)
- COORDINATE AND PROVIDE ALL REQUIRED BLOCKING WITHIN THE WALLS. THIS INCLUDES BUT IS NOT LIMITED TO, ALL MILLWORK, CASEWORK, GRAB BARS, LCD MONITORS, AND TOILET PARTITIONS
- INSTALL GYPSUM WALL BOARD ON INTERIOR PARTITIONS WITH A MINIMUM 1/4" GAP BETWEEN THE GYPSUM WALL BOARD AND THE FINISHED FLOOR.

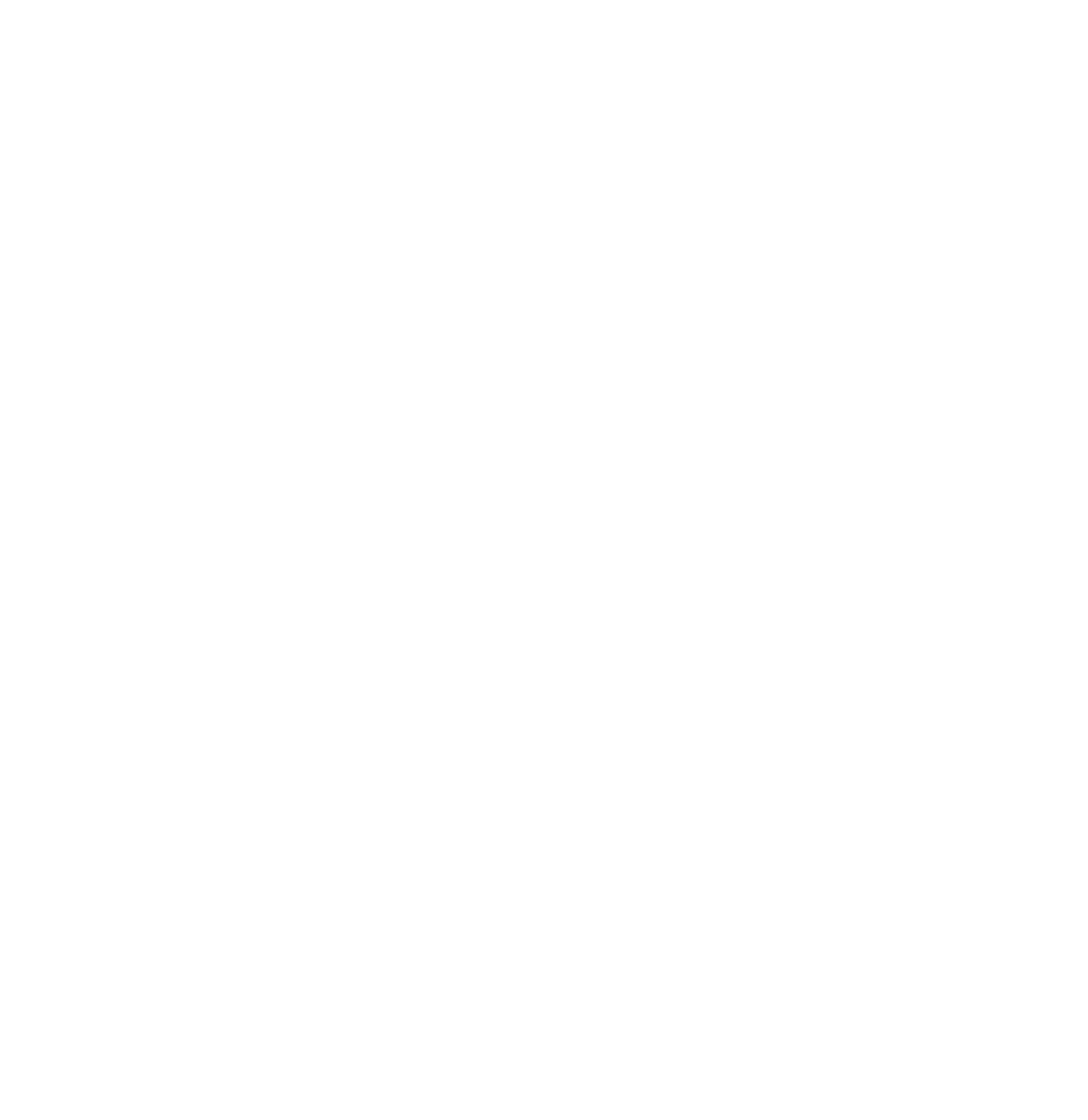
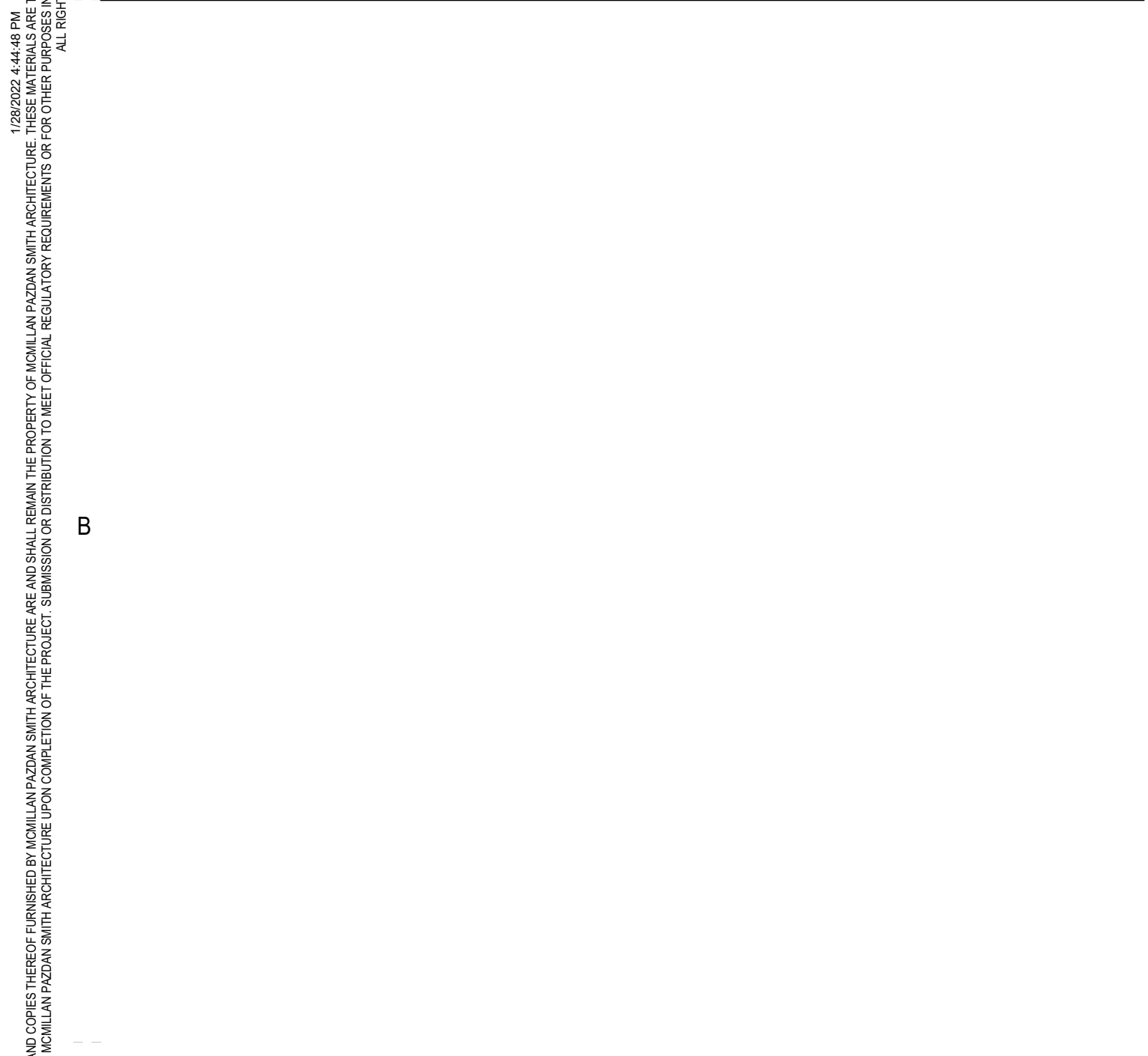


CONTROL JOINT NOTES

GYPSUM WALL BOARD:

LOCATE CONTROL JOINTS AS FOLLOWS:

- PROVIDE CONTROL JOINTS IN WIDTHS NO GREATER THAN 30'-0" OC, BUT NO LESS THAN 16'-0"
- INSTALL CONTROL JOINTS ACCORDING TO ASTM C 840 AND IN SPECIFIC LOCATIONS APPROVED BY ARCHITECT FOR VISUAL EFFECT.
- SUBMIT CONTROL JOINT LOCATION PLAN TO ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.
- PROVIDE CONTROL JOINTS ABOVE DOOR JAMBS WHENEVER POSSIBLE.
- STAGGER JOINTS FOR ALL RATED WALLS WITH MULTIPLE LAYERS OF GYPSUM WALL BOARD.



WALL TAG LEGEND

WALL VARIANT - ALPHABETICALLY SEQUENTIAL

WALL TYPE
C - CHASE WALL
E - SHAFT WALL
M - MASONRY
S - STEEL STUD
W - WOOD STUD

MEMBER THICKNESS

FURRING	STEEL STUD	WOOD STUD	SHAFT WALL	MASONRY
L-LAMINATED	1 - 1 5/8" STUD	2 - 1 1/2" NALER	2 - 2 1/2" CH STUD	4 - 4" CMU
0 - 7/8" HAT	2 - 2 1/2" STUD	4 - 1 3/4" x 3 1/2" STUD	4 - 4" CH STUD	6 - 6" CMU
1 - 1 1/2" HAT	3 - 3 5/8" STUD	6 - 1 3/4" x 5 1/2" STUD	6 - 6" CH STUD	8 - 8" CMU
	4 - 4" STUD	8 - 1 3/4" x 7 1/2" STUD		
	6 - 6" STUD	12 - 1 3/4" x 11 1/4" STUD		
	8 - 8" STUD			

WALL FRAMING PRIORITY

- PARTITIONS SHALL BE PRIORITIZED BASED ON FIRE AND SMOKE RATING
- PARTITIONS SHALL BE CONSTRUCTED SUCH THAT HIGHER PRIORITY IS FRAMED BEFORE LOWER PRIORITY
- LOWER PRIORITY PARTITIONS SHALL BE FRAMED TIGHT TO, BUT NOT INTERRUPT HIGHER PRIORITY CONSTRUCTION. (SEE THE EXAMPLE BELOW)

2 HOUR FIRE RATED WITH SMOKE BARRIER	PRIORITY 1 (HIGHEST)
2 HOUR FIRE RATED	PRIORITY 2
1 HOUR FIRE RATED WITH SMOKE BARRIER	PRIORITY 3
1 HOUR FIRE RATED	PRIORITY 4
NONE RATED	PRIORITY 5 (LOWEST)

SPARTANBURG SCHOOL DISTRICT FIVE

JAMES F. BYRNES HIGH SCHOOL

PHASE 2 DEMOLITION

150 E. MAIN STREET
DUNCAN, SC 29504

SHEET ISSUE:

NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	MLC

GMP DEMO SET 01/31/22

PRINCIPAL IN CHARGE: MLC
PROJECT ARCHITECT: RPC
DRAWN BY: PS

SHEET TITLE:
PHASE 2 DEMOLITION - PARTITION TYPES

SHEET NO. PROJ. NO. 020420.00

AD003

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SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
B	12/15/21	DD DEMO	MLC
C	01/31/22	GMP DEMO SET	MLC

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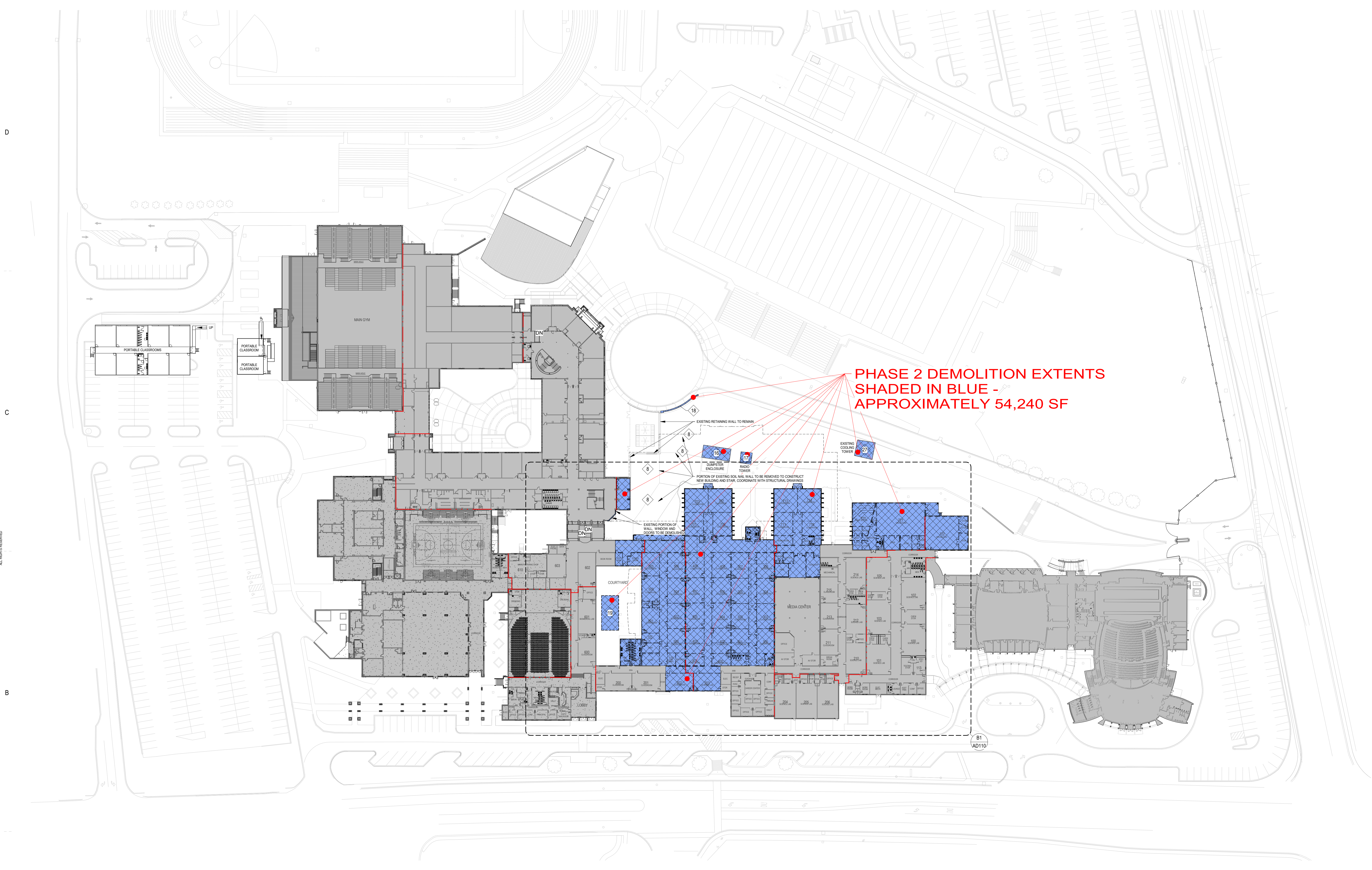
GMP DEMO SET 01/31/22

PRINCIPAL IN CHARGE: MLC
PROJECT ARCHITECT: RPC
DRAWN BY: PS

SHEET TITLE: PHASE 2 DEMOLITION - OVERALL EXISTING SITE PLAN
SHEET NO. PROJ. NO. 020420.00

AD100

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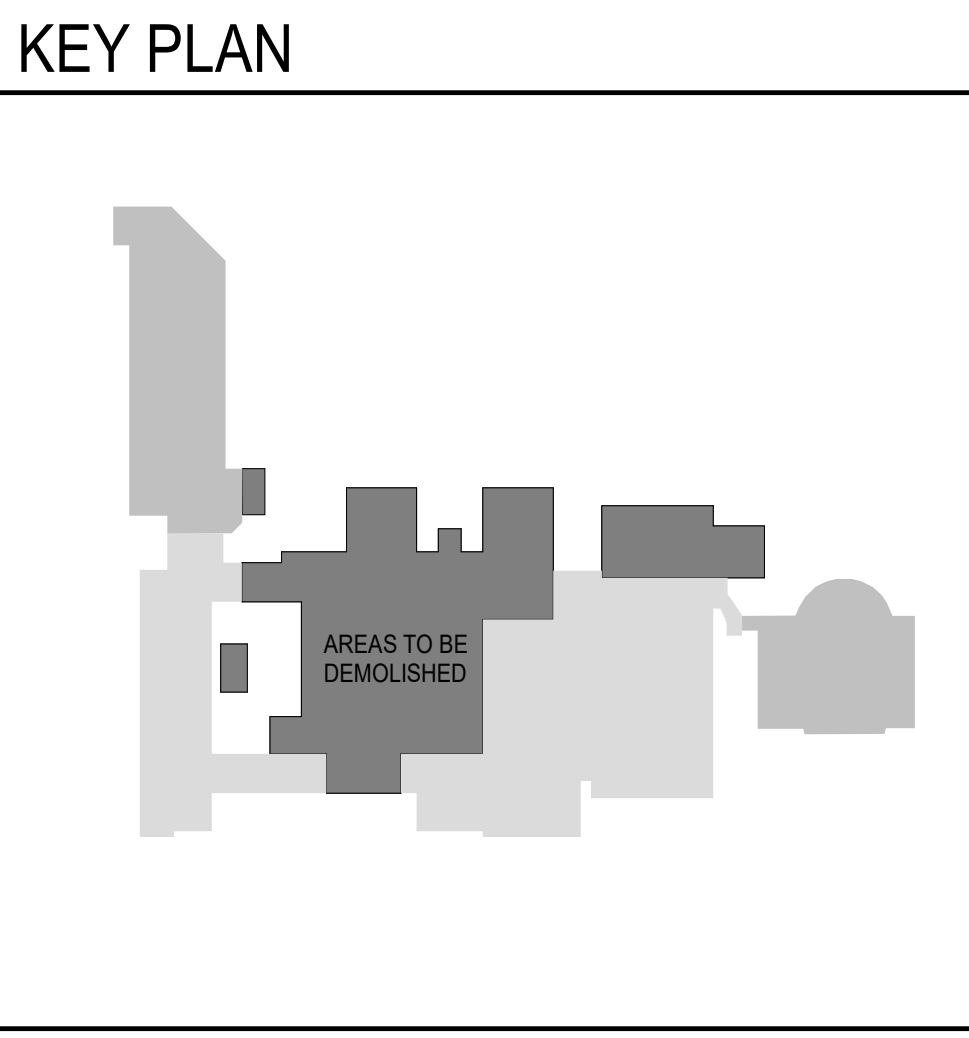
PHASE 2 DEMOLITION EXTENTS
SHADED IN BLUE -
APPROXIMATELY 54,240 SF

B1 PHASE 2 DEMOLITION - OVERALL EXISTING SITE AND FLOOR PLAN
AD100 1" = 50'-0"

GENERAL DEMOLITION NOTES	
1. DEMOLISH TOTAL EXISTING BUILDING SHOWN HATCHED AND WALL SHOWN DASHED INCLUDING WALLS, FLOOR SLAB, DOORS, WINDOWS, CEILING, ROOF, PLUMBING FIXTURES AND ALL UTILITIES. AFTER DEMOLITION, WALL SURFACES SHALL BE SMOOTH AND FLUSH. ANY PROTRUSIONS AND/OR DEPRESSIONS NEED TO BE REMOVED OR FILLED. WALL SHOULD BE PREPARED FOR INSTALLATION OF EXTERIOR FINISH.	15. DEMOLISH EXISTING PEDESTAL PAVER SYSTEM, INSULATION, WATERPROOFING AND SOFFIT MATERIALS. PREPARE AREA FOR INSTALLATION OF NEW CONSTRUCTION.
2. REMOVE 1953 BUILDING TRENCHES	16. DEMOLISH BRICK AND CMU DUMPSTER ENCLOSURE, CONCRETE PAD, BOLLARDS, ETC.
3. INFILL BELOW SLAB TRENCH OPENING WITH 6" CMU WITH LIQUID APPLIED DAMPPROOFING. REMOVE 1953 BUILDING TRENCH AND EXTERIOR WALL ABOVE SLAB. KEEP 1953 BELOW GRADE WALL CONSTRUCTION. INSTALL LIQUID APPLIED DAMPPROOFING ON WALL THAT REMAINS. COORDINATE WITH WALL SECTIONS ON AD331.	17. DEMOLISH EXISTING RADIO TOWER EQUIPMENT, CONCRETE PAN AND FOUNDATIONS
4. DEMOLISH CLERESTORY WINDOWS, METAL PANEL PLASTER, INTERIOR PLASTER AND WOOD SOFFIT AT MEDIA CENTER. KEEP UPPER ROOF AND SOFFIT CONSTRUCTION. COORDINATE WITH WALL SECTIONS ON AD330.	18. DEMOLISH SHADDED PORTION OF RETAINING WALL. COORDINATE EXTENT WITH CIVIL DRAWINGS AND NEW CONSTRUCTION.
5. PREPARE GRADE IN THIS AREA FOR NEW CONCRETE SLAB. COORDINATE EXTENTS WITH NEW CONSTRUCTION AD120.	19. REMOVE AND SALVAGE EXISTING GREENHOUSE FRAMING, PLASTIC AND EQUIPMENT AND TURN EVERYTHING OVER TO THE OWNER. TERMINATE ALL UTILITIES (GAS, ELECTRIC, WATER, ETC.) REMOVE BYRNES HIGH SCHOOL MEDALION LETTERS AND ANCHORING DEVICES AND RETURN TO OWNER.
6. COORDINATE DEMOLITION EXTENT OF SOIL NAIL WALL WITH STRUCTURAL DRAWINGS.	20. REMOVE EXIST SIGN FROM ABOVE DOOR
7. DEMOLISH DOOR AND FRAME. COORDINATE EXTENTS WITH NEW CONSTRUCTION.	21. COORDINATE ROOF MEMBRANE DEMOLITION WITH NEW GRAVEL STOPS DETAILS INDICATED ON B1-AD130.
8. DEMOLISH WINDOW SYSTEM. COORDINATE EXTENTS WITH NEW CONSTRUCTION.	22. COORDINATE ROOF MEMBRANE DEMOLITION WITH NEW PARAPET CAP DETAILS INDICATED ON B1-AD130.
9. DEMOLISH BRICK PIERS, EXTERIOR WALLS ABOVE. INSTALL TEMPORARY WEATHER TIGHT CONSTRUCTION CAP ON TOP OF SHORTENED BRICK PIERS. SEE C1A1D610.	23. REPAIR EXISTING GRAVEL STOP AS NEEDED TO PROTECT EXISTING BUILDING
10. INSTALL TEMPORARY WEATHER TIGHT CAP ON TOP OF EXISTING BRICK PIERS AND BRICK VENEER. SEE B4 & C1A1D610.	24. REPAIR EXISTING ROOF CROCKETS TO HAVE ROOF DRAINAGE TO EXISTING ROOF DRAINS
11. REMOVE GUARDRAIL FROM TOP OF WALL. REPAIR WALL AS NEEDED FOR NEW CONSTRUCTION.	25. REMOVE EXISTING DOORS AND HARDWARE. REPAIR AND PATCH ALL HOLES IN FRAME AND PAINT
	26. DEMOLISH COOLING TOWER, CONCRETE PAD, FENCING, MASONRY WALL, ETC. COORDINATE WITH MECHANICAL AND CIVIL DRAWINGS
	27. REMOVE DOORS AND FRAME. SALVAGE DOORS FOR REUSE AND REPLACE FRAME. INSTALL NEW FRAME AND INSTALL SALVAGED DOORS. COORDINATE WITH DEMOLITION - NEW CONSTRUCTION DRAWINGS (AD120). REMOVE AND REINSTALL DOOR AND FRAME IN ORIGINAL POSITION WHEN PHASE 2 CONSTRUCTION IS COMPLETE.
	28. REMOVE, SALVAGE AND STORE DOOR AND FRAME. REINSTALL FRAME IN SAME LOCATION AFTER PHASE 2 CONSTRUCTION IS COMPLETE.
	29. DEMO AND PREPARE AREA FOR TRENCHING/UTILITY INSTALLATION. COORDINATE WITH CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS
	30. COORDINATE SITE, PAVEMENT AND UTILITY DEMOLITION IN COURTYARD WITH CIVIL DRAWINGS.
	31. DEMOLISH EXISTING FLOOR DRAIN AND HORIZONTAL DRAIN LINES TO VERTICAL DRAIN AND CAP.
	32. DEMOLISH EXISTING ROOF DRAIN AND HORIZONTAL DRAIN LINE TO VERTICAL DRAIN AND CAP.
	33. DEMOLISH EXISTING OVERFLOW DRAIN, HORIZONTAL DRAIN LINE AND COW'S TONGUE DRAIN. PATCH THE WALL THAT REMAINS TO MATCH ADJACENT CONSTRUCTION.
	34. PATCH OPENINGS CREATED BY ROOF DRAIN, FLOOR DRAIN AND OVERFLOW DRAIN DEMOLITION IN 3-HOUR WALL TO MAINTAIN RATED CONSTRUCTION PER U.L. APPROVED DESIGN.
	35. DEMOLISH CEILING, LIGHTS, SOFFITS, LINTELS, ETC.
	36. PATCH OPENINGS CREATED BY ROOF DRAIN, FLOOR DRAIN AND OVERFLOW DRAIN DEMOLITION TO MATCH ADJACENT CONSTRUCTION AND PAINTINGS
	37. PROVIDE A 3'-4" w. x 7'-4" h. OPENING IN EXISTING CONCRETE RETAINING WALL FOR NEW DOOR INTO FUTURE EXIT STAIR. COORDINATE WITH STRUCTURAL DRAWING SD101.
	38. PROVIDE A 11'-0" w. x 7'-4" h. OPENING IN EXISTING CONCRETE RETAINING WALL. SEE A2 & A4/AD333. COORDINATE WITH STRUCTURAL DRAWING SD101.
	39. PROVIDE A 14'-0" w. x 6'-8" h. OPENING IN EXISTING CONCRETE RETAINING WALL FOR NEW WINDOW (BILL IS 2'-0" AFF AND HEAD IS 8'-8" AFF). COORDINATE WITH STRUCTURAL DRAWING SD101.
	40. CUT CONCRETE SLAB (4'-0" MIN. FROM COLUMN CENTERS) FOR FUTURE FOUNDATION MODIFICATIONS (INSTALLATION OF HELICAL PIERS). COORDINATE WITH STRUCTURAL DRAWINGS.
	41. DEMOLISH/SALVAGE EXISTING FLOATING METAL CEILING SYSTEM, LIGHT FIXTURES AND CEILING MOUNTED EQUIPMENT. THESE ELEMENTS WILL NEED TO BE REPLACED/REINSTALLED AT END OF PHASE 2 CONSTRUCTION.
	42. SEE HVAC DRAWINGS FOR DEMOLITION IN THIS ROOM
	43. DEMOLISH WALL AT COLUMN AS NEEDED TO MAKE NEW COLUMN TO EXISTING COLUMN. COORDINATE REQUIREMENTS AND EXTENTS WITH STRUCTURAL DRAWINGS.
	44. DEMOLISH PRECAST CONCRETE PROJECTION AS NEEDED TO INSTALL FUTURE EXPANSION JOINT AND FUTURE WALL.
	45. DEMOLISH EXISTING GYP BOARD SOFFIT AND STUD FRAMING AS NEEDED TO INSTALL NEW 1-HOUR WALL. COORDINATE WITH AD-121. THE SOFFIT WILL NEED TO BE REPLACED/REINSTALLED AT END OF PHASE 2 CONSTRUCTION.
	46. DEMOLISH/SALVAGE EXISTING ACOUSTICAL CEILING, GRID SYSTEM, LIGHT FIXTURES AND CEILING MOUNTED EQUIPMENT AS NEEDED TO INSTALL NEW 1-HOUR WALL. COORDINATE WITH AD-121. THESE ELEMENTS WILL NEED TO BE REPLACED/REINSTALLED AT END OF PHASE 2 CONSTRUCTION.
	47. SEE HVAC DRAWINGS FOR DEMOLITION IN THIS ROOM

DEMOLITION LEGEND	
	EXISTING BUILDING TO REMAIN
	GENERAL CONTRACTOR TO DEMOLISH EXISTING BUILDING IN AREAS INDICATED BY HATCH. WHERE A WALL TO BE REMOVED ABUTS AN EXISTING WALL THAT REMAINS, CLEAN MORTAR FROM EXISTING WALL. REMOVE ALL ANCHORS AND SUPPORTS AND REPLACE ANY MASONRY UNITS THAT ARE DAMAGED. POINT UP ALL JOINTS SO THAT FINISHED WALL DOES NOT SHOW EVIDENCE OF OLD JOINT. DO NOT REMOVE WALLS AT BORDER OF HATCH.
	LOCATION OF EXISTING 3-HR AND/OR 4-HR FIREWALLS

GENERAL DEMOLITION NOTES	
1. GENERAL CONTRACTOR TO REPORT DISCOVERY OF ANY ASBESTOS RELATED MATERIAL TO ARCHITECT. ASBESTOS REMOVAL IS NOT WITHIN THE SCOPE OF THIS CONTRACT.	10. THE GENERAL CONTRACTOR SHALL NOTIFY THE OWNER A MINIMUM OF 72 HOURS PRIOR TO ANY DISRUPTION OF SERVICES INCLUDING LIFE SAFETY SYSTEMS. EXISTING LIFE SAFETY SYSTEMS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE WORK.
2. REVIEW AND COORDINATE STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DEMOLITION DRAWINGS FOR EXTENT OF DEMOLITION.	
3. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DEMOLITION ITEMS. THE EXTENT OF DEMOLITION IS NOT LIMITED TO THE ITEMS LISTED. PRIOR TO BIDDING AND COMMENCING ANY WORK, THE EXTENT OF DEMOLITION IS NOT LIMITED TO THE ITEMS LISTED. REPORT ANY DISCREPANCIES IN EXISTING CONDITIONS TO THE ARCHITECT PRIOR TO DEMOLITION. WORK INCLUDES REMOVAL AND LEGAL DISPOSAL OF ALL EXISTING CONSTRUCTION ITEMS THAT ARE NOT UTILIZED IN THE FINISH CONSTRUCTION PROJECT. REMOVE ALL ITEMS SPECIFICALLY INDICATED IN THE DRAWINGS AND ITEMS WHICH ARE NECESSARY TO BE REMOVED IN ORDER TO FACILITATE THE NEW CONSTRUCTION.	
4. PROTECT AND KEEP CLEAN THE OWNER'S EXISTING PROPERTY (EXISTING CARPETS, VCT, MILLWORK, ETC.) NOT REMOVED AS PART OF THE DEMOLITION.	
5. EXISTING AREAS DAMAGED BY CONSTRUCTION ACTIVITIES (I.E. NEW HVAC, ELECTRICAL, PLUMBING SYSTEMS) SHALL BE REPAIRED TO MATCH EXISTING CONDITIONS PRIOR TO DAMAGE. NEW FINISHES SHALL MATCH IN MATERIAL, COLOR, TEXTURE, AND PROFILE TO THE ADJACENT EXISTING CONDITIONS.	
6. DESKS, CHAIRS, TABLES, PAPERS, POSTERS, BOOKS, MAPS, FANS AND OTHER SUCH LOOSE EQUIPMENT, FURNISHINGS AND SUPPLIES SHALL BE REMOVED BY THE OWNER.	
7. HATCHED AREAS IN THE DEMOLITION PLANS REPRESENT WALLS OR ITEMS TO BE DEMOLISHED. NO WORK TO OCCUR IN AREAS OUTSIDE OF THE BOUNDARY OF CONSTRUCTION NOR IN THE AREAS NOT HATCHED.	
8. THESE DRAWINGS SHOW ITEMS TO BE DEMOLISHED FOR THIS PROJECT BEFORE THE START AND DURING PHASE 2 CONSTRUCTION. THE GENERAL CONTRACTOR WILL SCHEDULE SEQUENCE WHEN THE DEMOLITION WILL OCCUR. DEPENDING ON THE SCHEDULE ADDITIONAL CONSTRUCTION MAY BE NEEDED TO OCCUR THAT IS NOT SHOWN IN THE DOCUMENTS THAT IS NEEDED TO PROTECT AND/OR SECURE THE EXISTING STRUCTURE.	



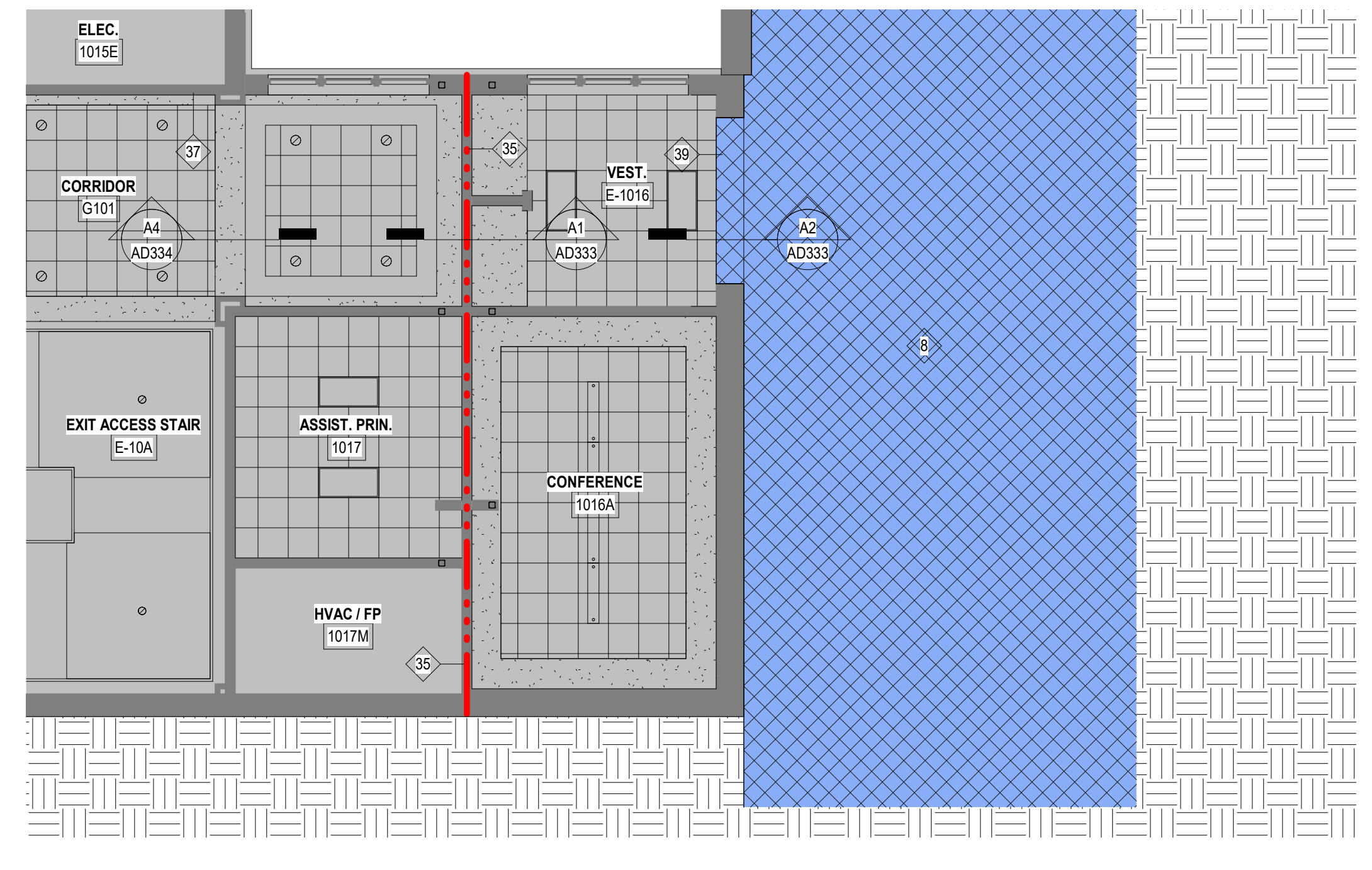
KEY PLAN	
	AREAS TO BE DEMOLISHED

ALL DRAWINGS, SPECIFICATIONS AND NOTES HEREOF FURNISHED BY MC MILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MC MILLAN PAZDAN SMITH ARCHITECTURE. THESE DRAWINGS ARE TO BE USED ONLY WITHIN THE PROJECT AND SITE SPECIFICALLY IDENTIFIED THEREIN. ANY REUSE OF THESE DRAWINGS FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF MC MILLAN PAZDAN SMITH ARCHITECTURE IS STRICTLY PROHIBITED. THE CLIENT'S RESPONSIBILITY IS TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE ARCHITECT ASSUMES NO LIABILITY FOR ANY DAMAGE TO PERSONS OR PROPERTY ARISING FROM THE USE OF THESE DRAWINGS. THE ARCHITECT'S LIABILITY IS LIMITED TO THE PROFESSIONAL SERVICES PROVIDED HEREIN. THE ARCHITECT DOES NOT WARRANT THE ACCURACY OF ANY INFORMATION PROVIDED BY OTHERS. THE ARCHITECT'S LIABILITY IS LIMITED TO THE PROFESSIONAL SERVICES PROVIDED HEREIN. THE ARCHITECT DOES NOT WARRANT THE ACCURACY OF ANY INFORMATION PROVIDED BY OTHERS.

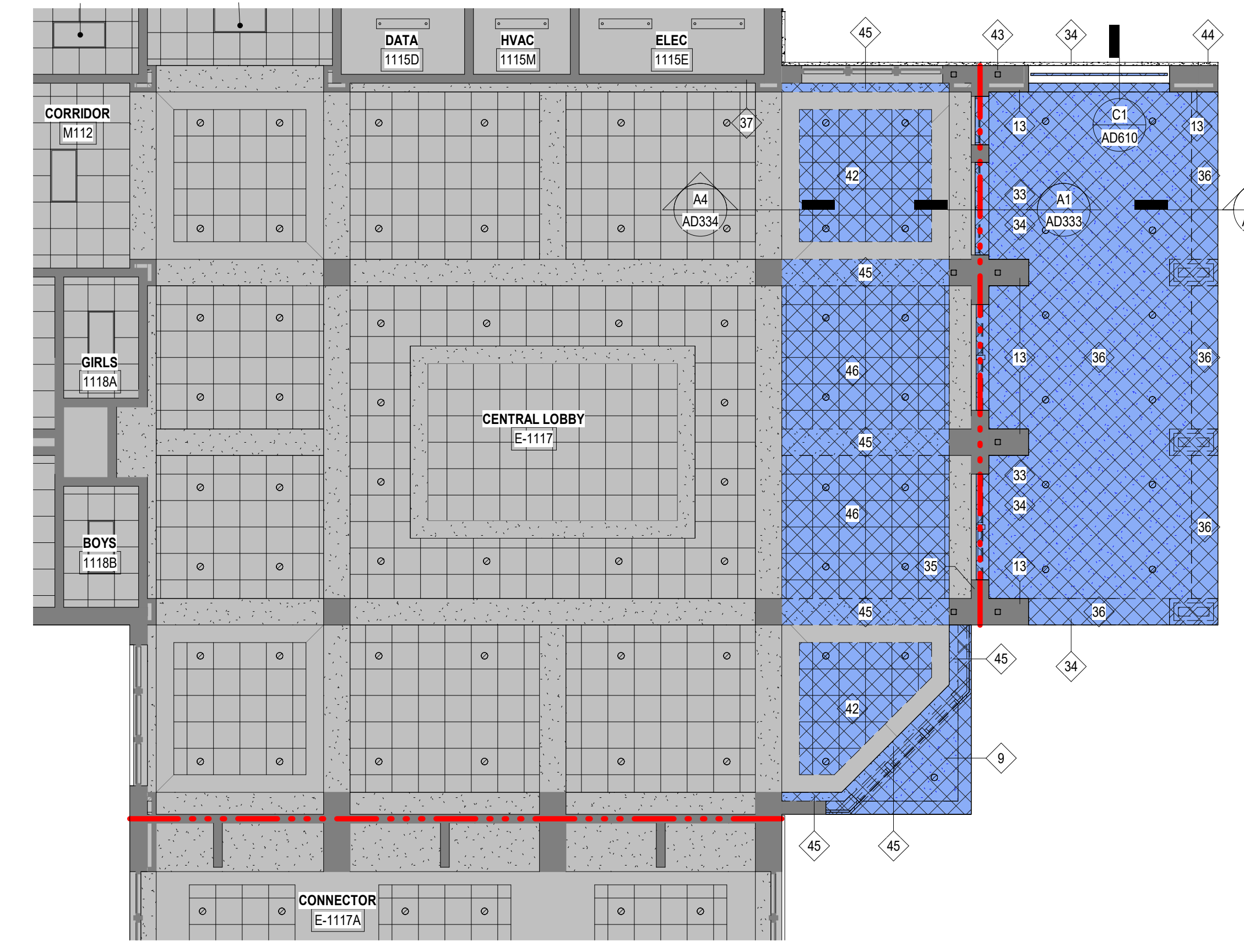
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SHEET TITLE:
 PHASE 2 DEMOLITION - ENLARGED MISC. DEMOLITION PLANS

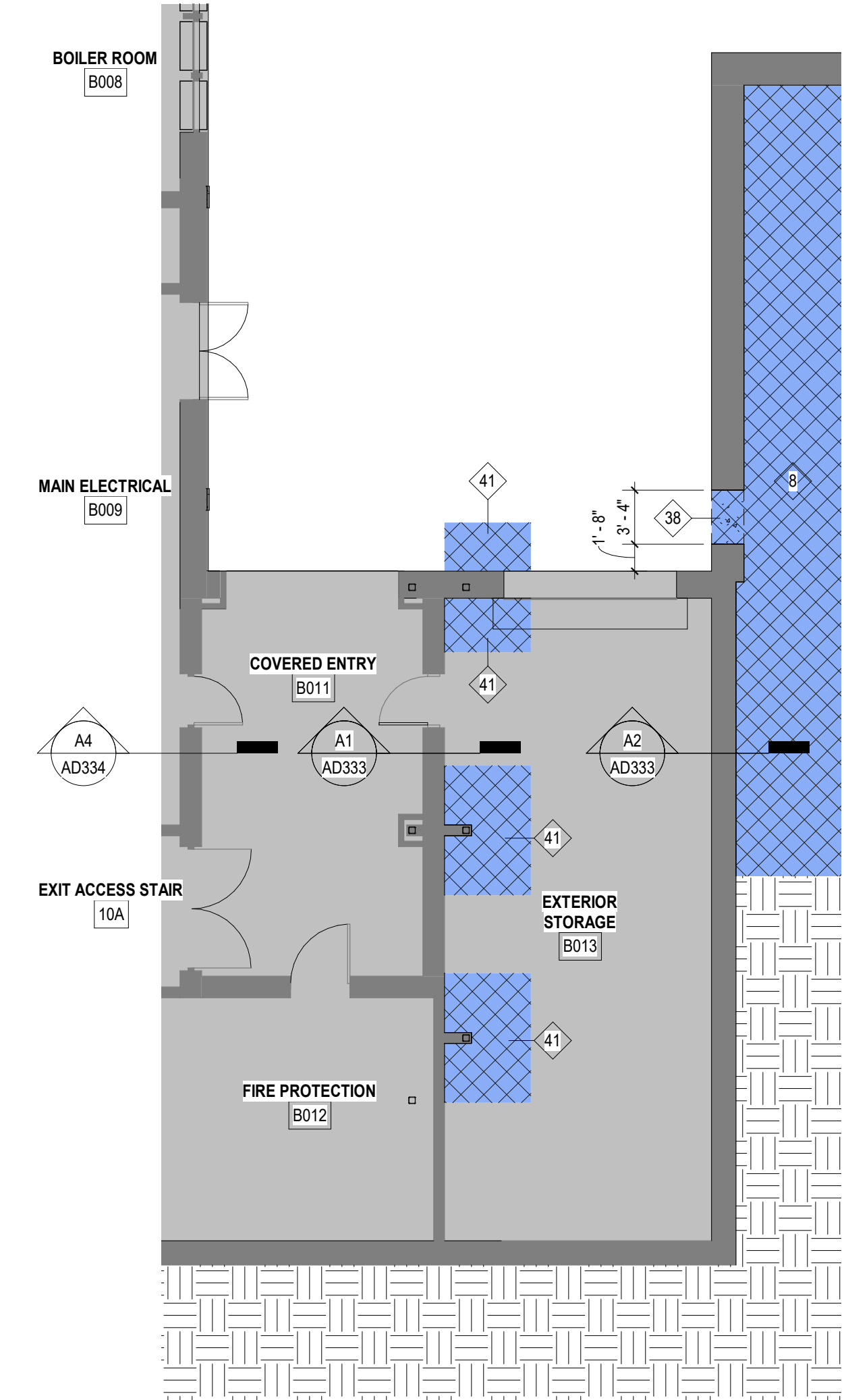
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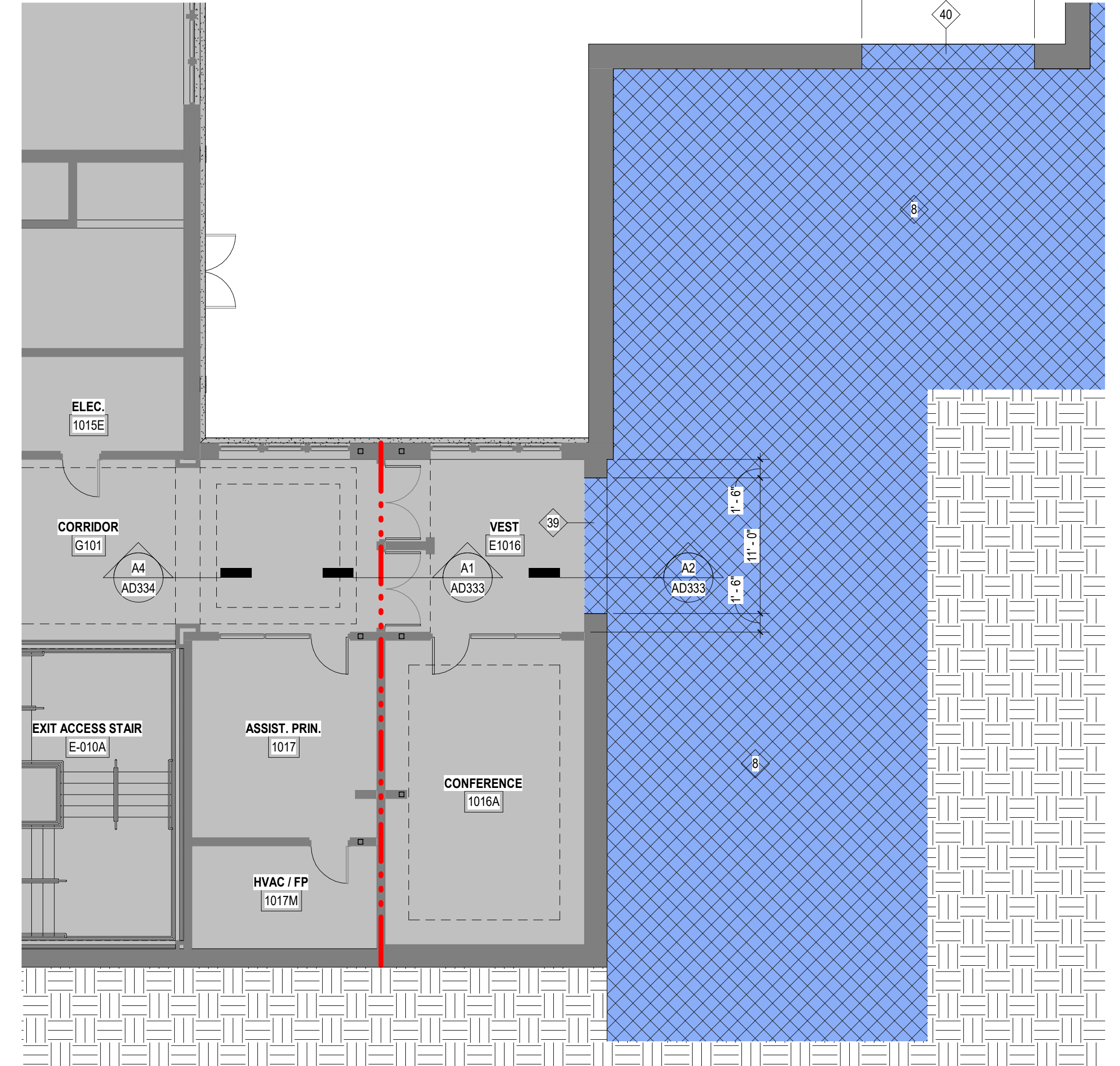
C2 ENLARGED PARTIAL CEILING PLAN - DEMOLITION - LEVEL 1000
 AD111 1/8" = 1'-0"



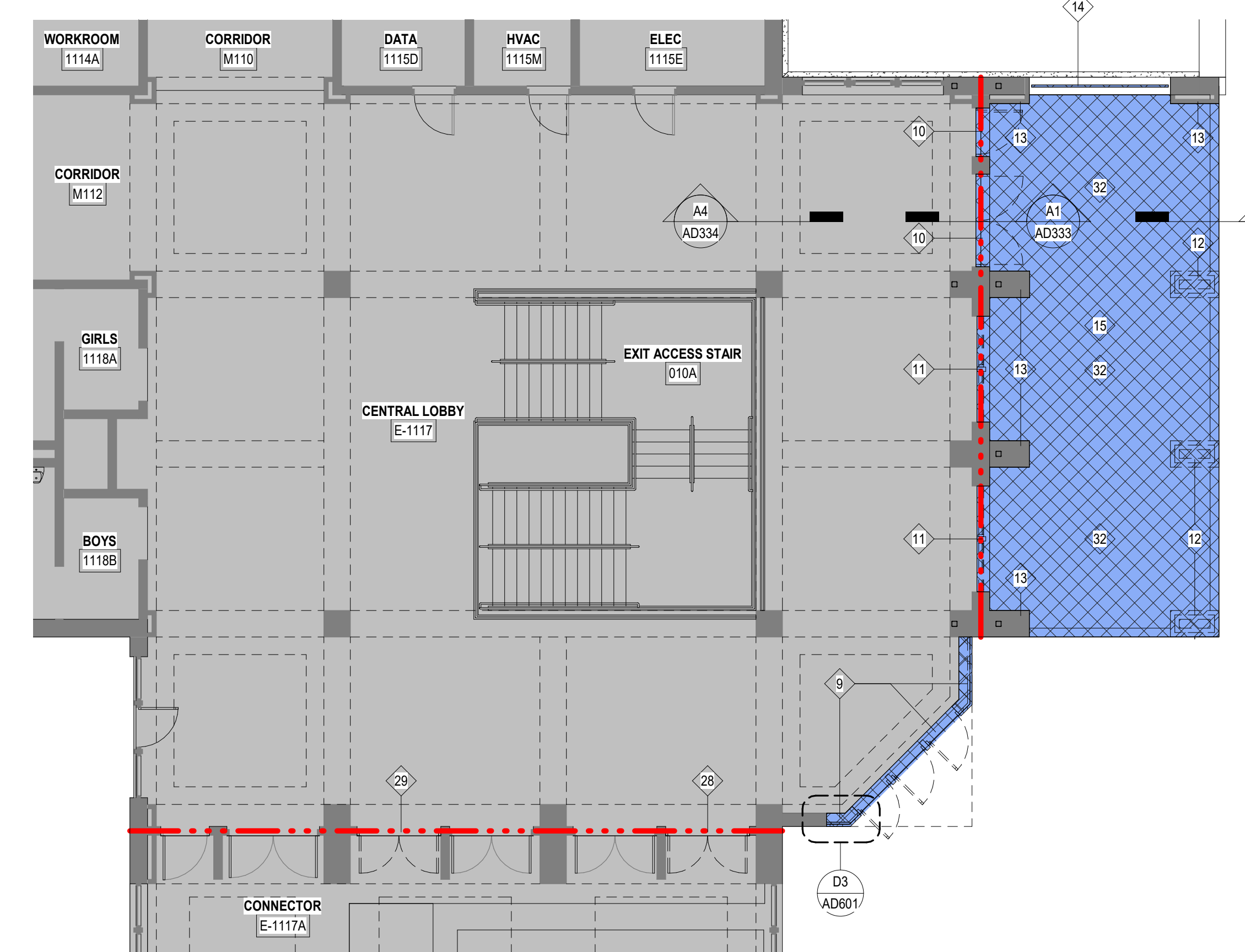
C4 ENLARGED PARTIAL CEILING PLAN - DEMOLITION - LEVEL 1100
 AD111 1/8" = 1'-0"



B1 ENLARGED PARTIAL FLOOR PLAN - DEMOLITION - BASEMENT
 AD111 1/8" = 1'-0"



B2 ENLARGED PARTIAL FLOOR PLAN - DEMOLITION - LEVEL 1000
 AD111 1/8" = 1'-0"

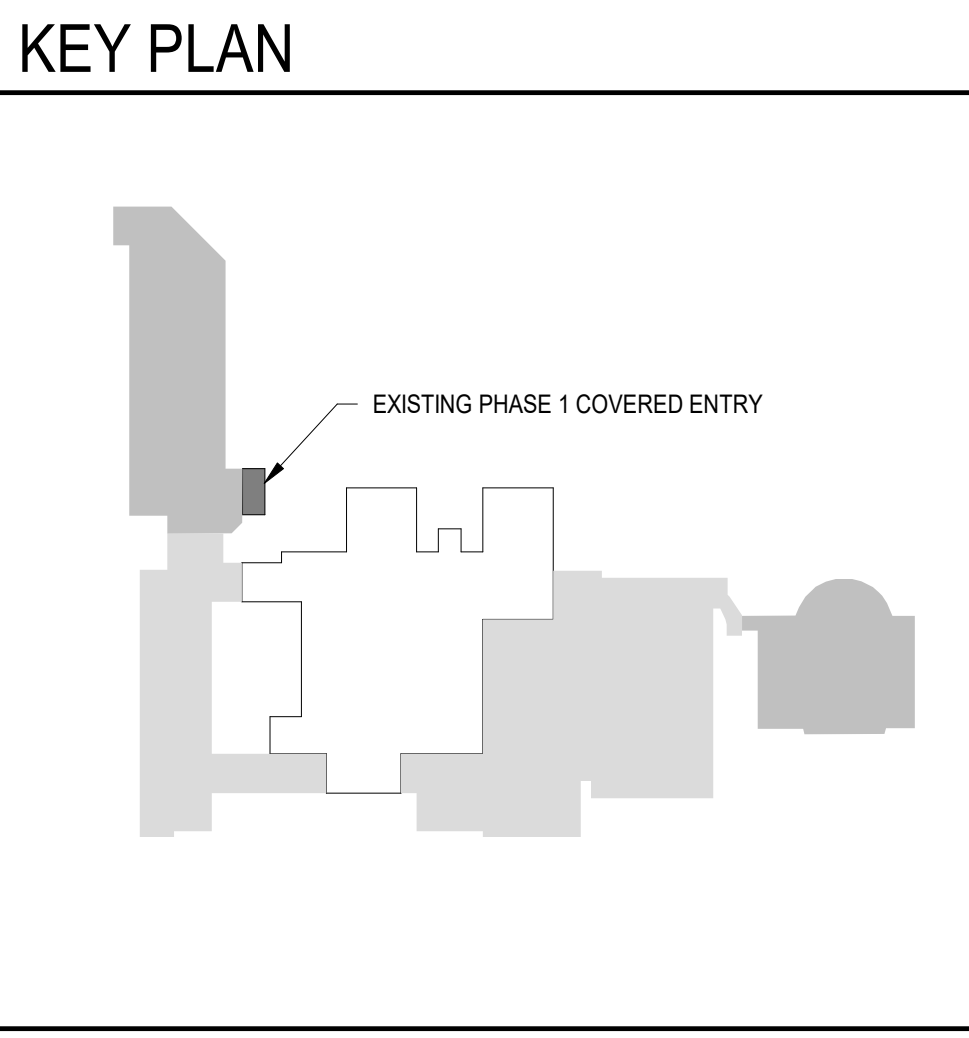


B4 ENLARGED PARTIAL FLOOR PLAN - DEMOLITION - LEVEL 1100
 AD111 1/8" = 1'-0"

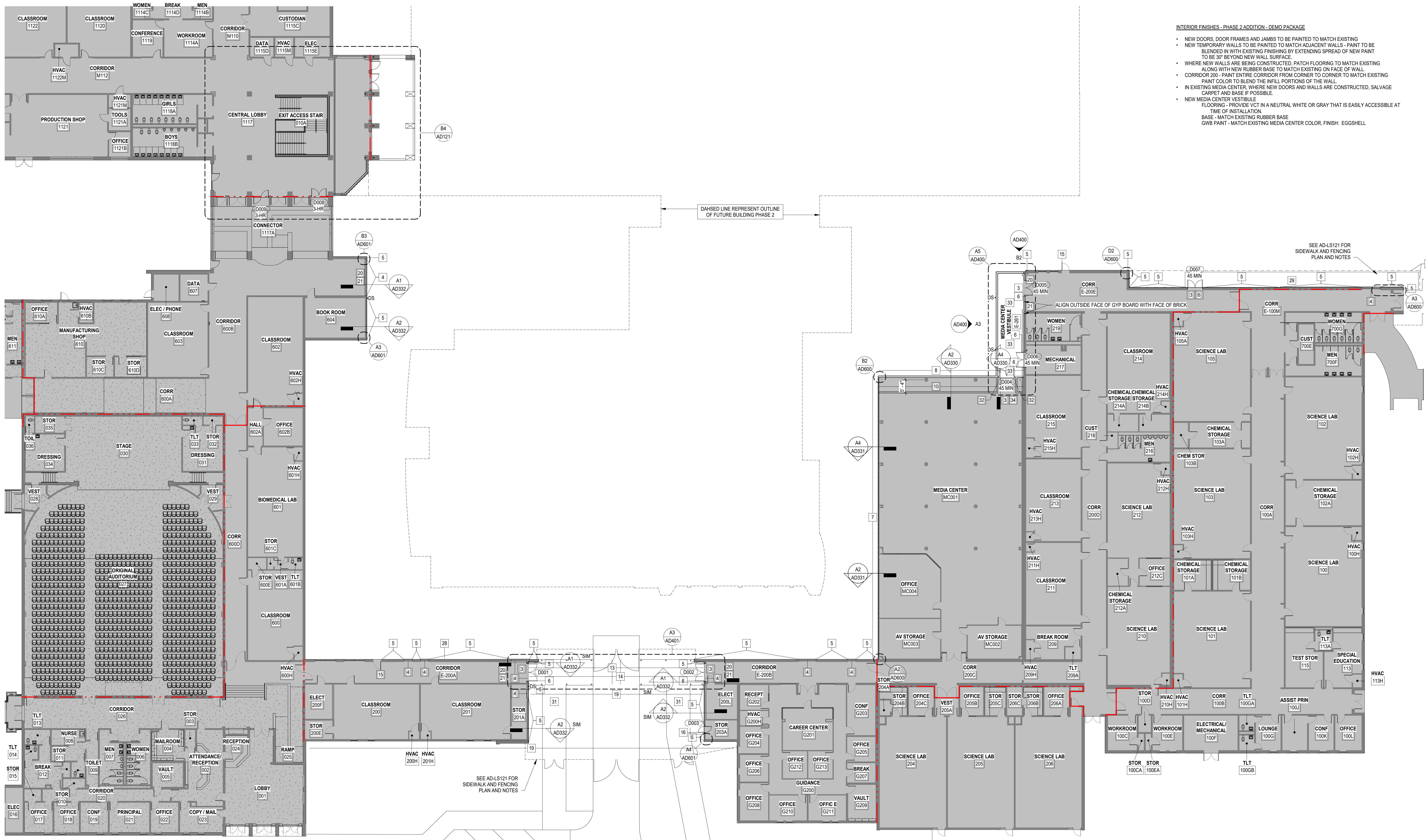
GENERAL DEMOLITION KEYNOTES	
1. DEMOLISH TOTAL EXISTING BUILDING SHOWN HATCHED AND WALL SHOWN DASHED INCLUDING WALLS, FLOOR SLAB, DOORS, WINDOWS, CEILINGS, ROOF, PLUMBING FIXTURES AND ALL UTILITIES. AFTER DEMOLITION, WALL SURFACES SHALL BE SMOOTH AND FLUSH. ANY PROTRUSIONS AND/OR DEPRESSIONS NEED TO BE REMOVED OR FILLED. WALL SHOULD BE PREPARED FOR INSTALLATION OF EXTERIOR FINISH.	15. DEMOLISH EXISTING PEDESTAL PAVEMENT SYSTEM, INSULATION, WATERPROOFING AND SOFFIT MATERIALS. PREPARE AREA FOR INSTALLATION OF NEW CONSTRUCTION.
2. REMOVE 1953 BUILDING TRENCHES.	16. DEMOLISH BRICK AND CMU DUMPSTER ENCLOSURE, CONCRETE PAD, BOLLARDS, ETC.
3. INFILL BELOW SLAB TRENCH OPENING WITH 6" CMU WITH LIQUID APPLIED DAMPPROOFING. REMOVE 1953 BUILDING TRENCH AND EXTERIOR WALL ABOVE SLAB. KEEP 1953 BELOW GRADE WALL CONSTRUCTION. INSTALL LIQUID APPLIED DAMPPROOFING ON WALL THAT REMAINS. COORDINATE WITH WALL SECTIONS ON AD331.	17. DEMOLISH EXISTING RADIO TOWER EQUIPMENT, CONCRETE PAN AND FOUNDATIONS.
4. DEMOLISH CLERESTORY WINDOWS, METAL PANEL PLASTER, INTERIOR PLASTER AND WOOD SOFFIT AT MEDIA CENTER. KEEP UPPER ROOF AND SOFFIT CONSTRUCTION. COORDINATE WITH WALL SECTIONS ON AD330.	18. DEMOLISH SHADDED PORTION OF RETAINING WALL. COORDINATE EXTENT WITH CIVIL DRAWINGS AND NEW CONSTRUCTION.
5. PREPARE GRADE IN THIS AREA FOR NEW CONCRETE SLAB. COORDINATE EXTENTS WITH NEW CONSTRUCTION AD120.	19. REMOVE AND SALVAGE EXISTING GREENHOUSE FRAMING, PLASTIC AND EQUIPMENT AND TURN EVERYTHING OVER TO THE OWNER. TERMINATE ALL UTILITIES (GAS, ELECTRIC, WATER, ETC.) REMOVE BYRNES HIGH SCHOOL MEDALION LETTERS AND ANCHORING DEVICES AND RETURN TO OWNER.
6. COORDINATE DEMOLITION EXTENT OF SOIL NAIL WALL WITH STRUCTURAL DRAWINGS.	20. REMOVE EXIST SIGN FROM ABOVE DOOR.
7. DEMOLISH WALLS, DOORS, WINDOWS, SOFFIT, ETC. COORDINATE EXTENTS WITH NEW CONSTRUCTION.	21. COORDINATE ROOF MEMBRANE DEMOLITION WITH NEW GRAVEL STOPS DETAILS INDICATED ON B1-AD130.
8. DEMOLISH DOOR AND FRAME. COORDINATE EXTENTS WITH NEW CONSTRUCTION.	22. COORDINATE ROOF MEMBRANE DEMOLITION WITH NEW PARAPET CAP DETAILS INDICATED ON B1-AD130.
9. DEMOLISH WINDOW SYSTEM. COORDINATE EXTENTS WITH NEW CONSTRUCTION.	23. REPAIR EXISTING GRAVEL STOP AS NEEDED TO PROTECT EXISTING BUILDING.
10. DEMOLISH BRICK PIERS, EXTERIOR WALLS ABOVE. INSTALL TEMPORARY WEATHER TIGHT CONSTRUCTION CAP ON TOP OF SHORTENED BRICK PIERS. SEE C1/AD610.	24. REPAIR/MAINTAIN ROOF CROCKETS TO HAVE ROOF DRAINAGE TO EXISTING ROOF DRAINS.
11. INSTALL TEMPORARY WEATHER TIGHT CAP ON TOP OF EXISTING BRICK PIERS AND BRICK VENEER. SEE B4 & C1/AD610.	25. REMOVE EXISTING DOORS AND HARDWARE, REPAIR AND PATCH ALL HOLES IN FRAME AND PAINT.
12. REMOVE GUARDRAIL FROM TOP OF WALL. REPAIR WALL AS NEEDED FOR NEW CONSTRUCTION.	26. DEMOLISH COOLING TOWER, CONCRETE PAD, FENCING, MASONRY WALL, ETC. COORDINATE WITH MECHANICAL AND CIVIL DRAWINGS.
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	33. DEMOLISH EXISTING OVERFLOW DRAIN, FLOOR DRAIN AND OVERFLOW DRAIN DEMOLITION IN 3-HOUR WALL TO MAINTAIN RATED CONSTRUCTION PER U.L. APPROVED DESIGN.
	34. DEMOLISH CEILING, LIGHTS, SOFFITS, LINTELS, ETC.
	35. PATCH OPENINGS CREATED BY ROOF DRAIN, FLOOR DRAIN AND OVERFLOW DRAIN DEMOLITION TO MATCH ADJACENT CONSTRUCTION AND FINISHES.
	36. PROVIDE A 3'-4" w. x 7'-4" h. OPENING IN EXISTING CONCRETE RETAINING WALL FOR NEW DOOR INTO FUTURE EXIT STAIR. COORDINATE WITH STRUCTURAL DRAWING SD101.
	37. PROVIDE A 11'-0" w. x 7'-4" h. OPENING IN EXISTING CONCRETE RETAINING WALL. SEE A2 & A4/AD333. COORDINATE WITH STRUCTURAL DRAWING SD101.
	38. PROVIDE A 14'-0" w. x 6'-8" h. OPENING IN EXISTING CONCRETE RETAINING WALL FOR NEW WINDOW (SILL IS 2'-0" AFF AND HEAD IS 8'-8" AFF) COORDINATE WITH STRUCTURAL DRAWING SD101.
	39. CUT CONCRETE SLAB (4'-0" MIN. FROM COLUMN CENTERLINES) FOR FUTURE FOUNDATION MODIFICATIONS (INSTALLATION OF HELICAL PIERS). COORDINATE WITH STRUCTURAL DRAWINGS.
	40. DEMOLISH/SALVAGE EXISTING FLOATING METAL CEILING SYSTEM, LIGHT FIXTURES AND CEILING MOUNTED EQUIPMENT. THESE ELEMENTS WILL NEED TO BE REPLACED/REINSTALLED AT END OF PHASE 2 CONSTRUCTION.
	41. REMOVE, SALVAGE AND STORE DOOR AND FRAME. REINSTALL FRAME IN SAME LOCATION AFTER PHASE 2 CONSTRUCTION IS COMPLETE.
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	43. COORDINATE SITE, PAVEMENT AND UTILITY DEMOLITION IN COURTYARD WITH CIVIL DRAWINGS.
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	45. DEMOLISH EXISTING ROOF DRAIN AND HORIZONTAL DRAIN LINE TO VERTICAL DRAIN AND CAP.
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	47. DEMOLISH CEILING, LIGHTS, SOFFITS, LINTELS, ETC.
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	67. REMOVE, SALVAGE AND STORE DOOR AND FRAME. REINSTALL FRAME IN SAME LOCATION AFTER PHASE 2 CONSTRUCTION IS COMPLETE.

DEMOLITION LEGEND
EXISTING BUILDING TO REMAIN GENERAL CONTRACTOR TO DEMOLISH EXISTING BUILDING IN AREAS INDICATED BY HATCH. WHERE A WALL TO BE REMOVED ABUTS AN EXISTING WALL THAT REMAINS CLEAN MORTAR FROM EXISTING WALL. REMOVE ALL ANCHORS AND SUPPORTS AND REPLACE ANY MASONRY UNITS THAT ARE DAMAGED. POINT UP ALL JOINTS SO THAT FINISHED WALL DOES NOT SHOW EVIDENCE OF OLD JOINT. DO NOT REMOVE WALLS AT BORDER OF HATCH. LOCATION OF EXISTING 3-HR AND/OR 4-HR FIREWALLS
43. DEMOLISH WALL AT COLUMN AS NEEDED TO MAKE NEW COLUMN TO EXISTING COLUMN. COORDINATE REQUIREMENTS AND EXTENTS WITH STRUCTURAL DRAWINGS. 44. DEMOLISH PRECAST CONCRETE PROJECTION AS NEEDED TO INSTALL FUTURE EXPANSION JOINT AND FUTURE WALL. 45. DEMOLISH EXISTING GYP BOARD SOFFIT AND STUD FRAMING AS NEEDED TO INSTALL NEW 1-HOUR WALL. COORDINATE WITH AD-121. THE SOFFIT WILL NEED TO BE REPLACED/REINSTALLED AT END OF PHASE 2 CONSTRUCTION. 46. DEMOLISH/SALVAGE EXISTING ACoustICAL CEILING, GRID SYSTEM, LIGHT FIXTURES AND CEILING MOUNTED EQUIPMENT AS NEEDED TO INSTALL NEW 1-HOUR WALL. COORDINATE WITH AD-121. THESE ELEMENTS WILL NEED TO BE REPLACED/REINSTALLED AT END OF PHASE 2 CONSTRUCTION. 47. SEE HVAC DRAWINGS FOR DEMOLITION IN THIS ROOM

GENERAL DEMOLITION NOTES
1. GENERAL CONTRACTOR TO REPORT DISCOVERY OF ANY ASBESTOS RELATED MATERIAL TO ARCHITECT. ASBESTOS REMOVAL IS NOT WITHIN THE SCOPE OF THIS CONTRACT. 2. REVIEW AND COORDINATE STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DEMOLITION DRAWINGS FOR EXTENT OF DEMOLITION. 3. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DEMOLITION ITEMS. THE EXTENT OF DEMOLITION IS NOT LIMITED TO THE ITEMS LISTED. PRIOR TO BIDDING AND COMMENCING ANY WORK, THE EXTENT OF DEMOLITION IS NOT LIMITED TO THE ITEMS LISTED. REPORT ANY DISCREPANCIES IN EXISTING CONDITIONS TO THE ARCHITECT PRIOR TO DEMOLITION. WORK INCLUDES REMOVAL AND LEGAL DISPOSAL OF ALL EXISTING CONSTRUCTION ITEMS THAT ARE NOT UTILIZED IN THE FINISH CONSTRUCTION PROJECT. REMOVE ALL ITEMS SPECIFICALLY INDICATED IN THE DRAWINGS AND ITEMS WHICH ARE NECESSARY TO BE REMOVED IN ORDER TO FACILITATE THE NEW CONSTRUCTION. 4. PROTECT AND KEEP CLEAN THE OWNER'S EXISTING PROPERTY (EXISTING CARPETS, VCT, MILLWORK, ETC.) NOT REMOVED AS PART OF THE DEMOLITION. 5. EXISTING AREAS DAMAGED BY CONSTRUCTION ACTIVITIES (I.E. NEW HVAC, ELECTRICAL, PLUMBING SYSTEMS) SHALL BE REPAIRED TO MATCH EXISTING CONDITIONS PRIOR TO DAMAGE. NEW FINISHES SHALL MATCH IN MATERIAL, COLOR, TEXTURE, AND PROFILE TO THE ADJACENT EXISTING CONDITIONS. 6. DESKS, CHAIRS, TABLES, PAPERS, POSTERS, BOOKS, MAPS, AND OTHER SUCH LOOSE EQUIPMENT, FURNISHINGS AND SUPPLIES SHALL BE REMOVED BY THE OWNER. 7. HATCHED AREAS IN THE DEMOLITION PLANS REPRESENT WALLS OR ITEMS TO BE DEMOLISHED. NO WORK TO OCCUR IN AREAS OUTSIDE OF THE BOUNDARY OF CONSTRUCTION NOR IN THE AREAS NOT HATCHED. 8. THESE DRAWINGS SHOW ITEMS TO BE DEMOLISHED FOR THIS PROJECT BEFORE THE START AND DURING PHASE 2 CONSTRUCTION. THE GENERAL CONTRACTOR WILL SCHEDULE SEQUENCE WHEN THE DEMOLITION WILL OCCUR. DEPENDING ON THE SCHEDULE ADDITIONAL CONSTRUCTION MAY BE NEEDED TO OCCUR THAT IS NOT SHOWN IN THE DOCUMENTS THAT IS NEEDED TO PROTECT AND/OR SECURE THE EXISTING STRUCTURE. 9. A MEETING SHALL BE HELD PRIOR TO THE COMMENCEMENT OF DEMOLITION WORK BETWEEN THE ARCHITECT PROJECT MANAGER AND THE GENERAL CONTRACTOR TO COORDINATE THE REMOVAL OF MATERIALS IN A MANNER THAT WILL NOT AFFECT THE OWNER'S ONGOING OPERATIONS THE LEAST. 10. THE GENERAL CONTRACTOR SHALL NOTIFY THE OWNER A MINIMUM OF 72 HOURS PRIOR TO ANY DISRUPTION OF SERVICES INCLUDING LIFE SAFETY SYSTEMS. EXISTING LIFE SAFETY SYSTEMS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE WORK.



SHEET NO. PROJ. NO.
 AD111 020420.00



INTERIOR FINISHES - PHASE 2 ADDITION - DEMO PACKAGE

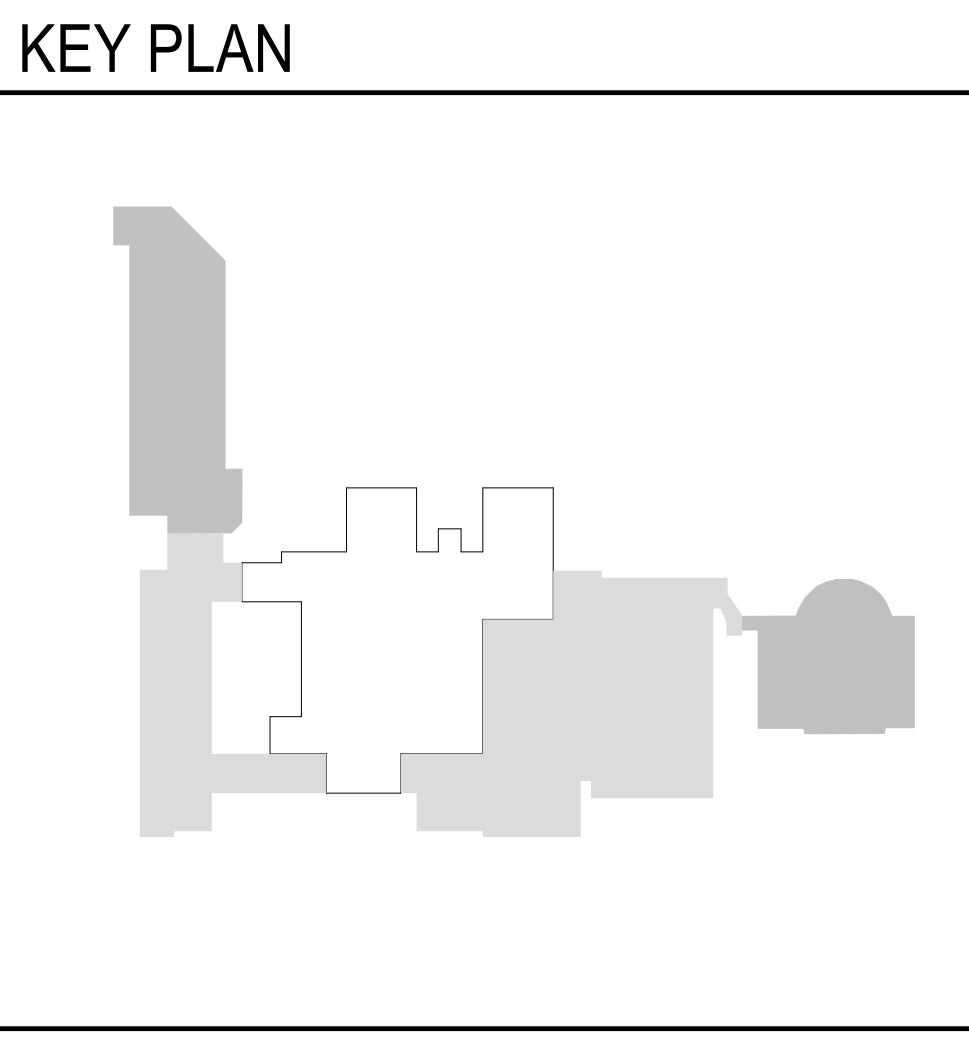
- NEW DOORS, DOOR FRAMES AND JAMBS TO BE PAINTED TO MATCH EXISTING
- NEW TEMPORARY WALLS TO BE PAINTED TO MATCH ADJACENT WALLS - PAINT TO BE BLENDED IN WITH EXISTING FINISHING BY EXTENDING SPREAD OF NEW PAINT TO BE 30" BEYOND NEW WALL SURFACE
- WHERE NEW WALLS ARE BEING CONSTRUCTED, PATCH FLOORING TO MATCH EXISTING ALONG WITH NEW RUBBER BASE TO MATCH EXISTING ON FACE OF WALL
- CORRIDOR 200 - PAINT ENTIRE CORRIDOR FROM CORNER TO CORNER TO MATCH EXISTING PAINT COLOR TO BLEND THE NEPL PORTIONS OF THE WALL
- IN EXISTING MEDIA CENTER, WHERE NEW DOORS AND WALLS ARE CONSTRUCTED, SALVAGE CARPET AND BASE IF POSSIBLE.
- NEW MEDIA CENTER VESTIBULE FLOORING - PROVIDE VCT IN A NEUTRAL WHITE OR GRAY THAT IS EASILY ACCESSIBLE AT TIME OF INSTALLATION
- BASE - MATCH EXISTING RUBBER BASE
- GWB PAINT - MATCH EXISTING MEDIA CENTER COLOR, FINISH: EGGSHELL

B1 PHASE 2 DEMOLITION - NEW CONSTRUCTION PLAN
AD120 1/8" = 1'-0"

GENERAL NEW CONSTRUCTION KEYNOTES FOR DEMOLITION PHASE	
1	WRAP EXISTING ROOF MEMBRANE OVER TOP OF REMAINING WALL WITH NEW PRESSURE TREATED BLOCKING AND FOAMED-IN-PLACE INSULATION AND ADD NEW METAL PARAPET CAP. SEE B1AD130.
2	WRAP EXISTING ROOF MEMBRANE OVER NEW PRESSURE TREATED WOOD BLOCKING AND FOAMED-IN-PLACE INSULATION AT EDGE OF ROOF AND ADD NEW METAL GRAVEL STOP. SEE B1AD130.
3	INSTALL NEW EXIT SIGN ABOVE DOOR
4	INFILL EXISTING OPENING WITH METAL STUD, EXTERIOR SHEATHING AND FOAMED-IN-PLACE INSULATION WITH 5/8" TYPE X GYP BOARD (2 LAYERS) ON THE INTERIOR. PAINT GYP BOARD COLOR SELECTED BY ARCHITECT. PATCH/REPAIR EXISTING FLOOR FINISH.
5	PREPARE EXISTING WALL AS NEEDED AND APPLY FOAMED-IN-PLACE INSULATION TO EXISTING WALL
6	INSTALL NEW DOOR AND FRAME. SEE DOOR SCHEDULE
7	INSTALL ADDITIONAL METAL STUD BETWEEN EXISTING STUDS AND NEW EXTERIOR SHEATHING (2 LAYERS) AND FOAM-IN-PLACE INSULATION. COORDINATE WITH DETAILS A2 AND A4AD333.
8	INSTALL NEW WALLS (INTERIOR AND EXTERIOR). COORDINATE WITH DETAILS A2 AND A4AD333.
9	INSTALL NEW GUTTER AND DOWNSPOUTS FOR LENGTH OF WALL
10	INSTALL NEW WALL FROM FLOOR TO CEILING TO SEPARATE EXISTING CONSTRUCTION FROM DEMOLITION AND FUTURE CONSTRUCTION. COORDINATE STUD SIZE WITH WALL TAG.
11	PROVIDE WEATHER PROOF CAP AT TOP OF MODIFIED BRICK PIER TO PROTECT EXISTING SPACES ADJACENT OR BELOW PIER. SEE DETAIL C4AD610.
12	COORDINATE DEMOLITION OF DOORS AND WINDOWS AND INSTALLATION OF 3-HR RATED WALL CONSTRUCTION WITH NEW CONSTRUCTION
13	INSTALL NEW SIDEWALK BETWEEN ENTRANCES
14	INSTALL NEW CANOPY BETWEEN ENTRANCES. SEE A3AD401
15	KEEP DOOR LOCKED DURING DEMOLITION AND CONSTRUCTION. ADD SIGN TO DOOR SAYING "THIS IS NOT AN EXIT."
16	REPLACE EXISTING DOOR AND FRAME WITH NEW DOOR AND FRAME. SEE DOOR SCHEDULE.
17	REMOVE PEDESTAL PAVEMENT SYSTEM (INCLUDING RIGID INSULATION, WATERPROOFING MEMBRANE, FLOOR DRAINS, ETC). COORDINATE REMOVAL WITH NEW CONSTRUCTION.
18	INSTALL NEW DOOR FRAME AND SALVAGED DOORS. ROTATE 180 DEGREES FROM ORIGINAL POSITION.
19	COORDINATE UNDERGROUND/TRENCHING WITH MECHANICAL, PLUMBING AND ELECTRICAL DWGS.
20	REPAIR/PATCH TO MATCH EXISTING FLOOR
21	REPAIR/EXTEND/ATTACH EXISTING CEILING GRID AND TILE SYSTEM AT FACE OF NEW WALL
22	COORDINATE ROUTING OF NEW UTILITIES ON ROOF WITH MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS
23	PROVIDE WEATHER PROOF CAP AT TOP OF BRICK PIER TO PROTECT EXISTING SPACES ADJACENT OR BELOW PIER. SEE DETAIL B4AD610
24	DISCONNECT AND COVER EXISTING EXIT SIGN ON THIS SIDE OF WALL
25	INSTALL NEW GYP BOARD WALL (SC-3). ALIGN OUTSIDE FACE OF GYP BOARD WITH THE EDGE OF SOFFIT ABOVE.
26	REPAIR/RECONSTRUCT WALL TO MATCH EXISTING CONSTRUCTION AFTER NEW STEEL COLUMN CONNECTION IS COMPLETE.
27	AT EXISTING ROOF DRAINS, DETERMINE THE ROUTING OF LEADERS AND MAKE SURE THEY ARE NOT PART OF THE DEMOLITION. IF THEY ARE PART OF THE DEMOLITION, THE LEADERS WILL NEED TO BE REROUTED WITHIN THE EXISTING CONSTRUCTION THAT REMAINS. COORDINATE WITH ARCHITECT.
28	AT EXISTING GUTTER INSTALL NEW DOWNSPOUT TO GRADE
29	INSTALL 6'-0" WIDE SIDEWALK ALONG BUILDING TO CONNECT TO EXISTING SIDEWALK
30	INSTALL 6'-0" HIGH CHAIN LINK FENCE FOR LENGTH OF SIDE WALK TO SEPARATE EGRESS PATH FROM CONSTRUCTION
31	INSTALL SIDEWALK, COORDINATE WITH CIVIL DRAWINGS
32	PROVIDE 1-HOUR RATED ACCESS DOORS (2'-0" x 3'-0") IN THE WALL
33	PROVIDE 1-HOUR RATED ACCESS DOORS (2'-0" x 2'-0") IN THE GYP BOARD CEILING
34	FRAME A KNOCK OUT PANEL IN STUD WALL TO BE REMOVED WHEN RECESS BUILT FOR DOORS
35	INSTALL (2) NEW 6'-0" TALL x 3'-0" WIDE CHAIN LINK FENCE GATES WITH PANIC BARS. SEE A4AD4S121.
36	INSTALL (2) NEW 6'-0" TALL x 9'-0" WIDE CHAIN LINK FENCE GATES
37	INSTALL NEW CURB CUT. SEE CIVIL DRAWINGS
38	INSTALL (2) NEW 6'-0" TALL x 4'-0" WIDE CHAIN LINK FENCE GATES

DEMOLITION LEGEND
EXISTING BUILDING
LOCATION OF EXISTING 3-HR AND/OR 4-HR FIREWALLS

DEMO & NEW CONSTRUCTION NOTES
1. GENERAL CONTRACTOR TO REPORT DISCOVERY OF ANY ASBESTOS RELATED MATERIAL TO ARCHITECT. ASBESTOS REMOVAL IS NOT WITHIN THE SCOPE OF THIS CONTRACT.
2. PROTECT AND KEEP CLEAN THE OWNER'S EXISTING PROPERTY (EXISTING CARPETS, VCT, MILLWORK, ETC.) NOT REMOVED AS PART OF THE DEMOLITION.
3. EXISTING AREAS DAMAGED BY CONSTRUCTION ACTIVITIES (i.e. NEW HVAC, ELECTRICAL AND PLUMBING SYSTEMS, ETC.) SHALL BE REPAIRED TO MATCH EXISTING CONDITIONS PRIOR TO DAMAGE. NEW FINISHES SHALL MATCH IN MATERIAL, COLOR, TEXTURE AND PROFILE TO THE ADJACENT EXISTING CONDITIONS.
4. WHERE EXISTING CONCRETE SLABS ARE REMOVED FOR THE INSTALLATION OF NEW MATERIALS (AND/OR THE REMOVAL OF EXISTING MATERIALS) PATCH WITH INSECTICIDE SOIL TREATMENT OF DISTURBED AREA. 4" THICK CRUSHED ROCK SUBGRADE, 6 MIL POLY VAPOR BARRIER, CONCRETE SLAB WITH WWF REINFORCING (MATCH EXISTING THICKNESS).
5. AFTER REMOVAL OF MATERIALS, PERIMETER WALLS SHALL BE SMOOTH AND FLUSH. ANY PROTRUSIONS OR DEPRESSIONS NEED TO BE REMOVED OR FILLED. IF THIS IS IMPOSSIBLE NOTIFY THE ARCHITECT IMMEDIATELY.
6. THE GENERAL CONTRACTOR SHALL MAINTAIN ALL MEANS OF EGRESS FROM THE FACILITY DURING THE DURATION OF THE WORK. CORRIDORS ARE NOT TO BE SUBSTANTIALLY REDUCED IN WIDTH. EXIT SIGNS, ALARM PULL STATIONS, ETC. ARE NOT TO BE BLOCKED FROM VIEW.
7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT EXISTING SURFACES AND FINISHED TO REMAIN IN THE AREAS RENOVATED AND ALONG ROUTES OF WASTE REMOVAL. DAMAGE TO SUCH SURFACES SHALL BE REPAIRED TO AN EXISTING CONDITIONS STATUS BY THE GENERAL CONTRACTOR AT NO CHARGE.



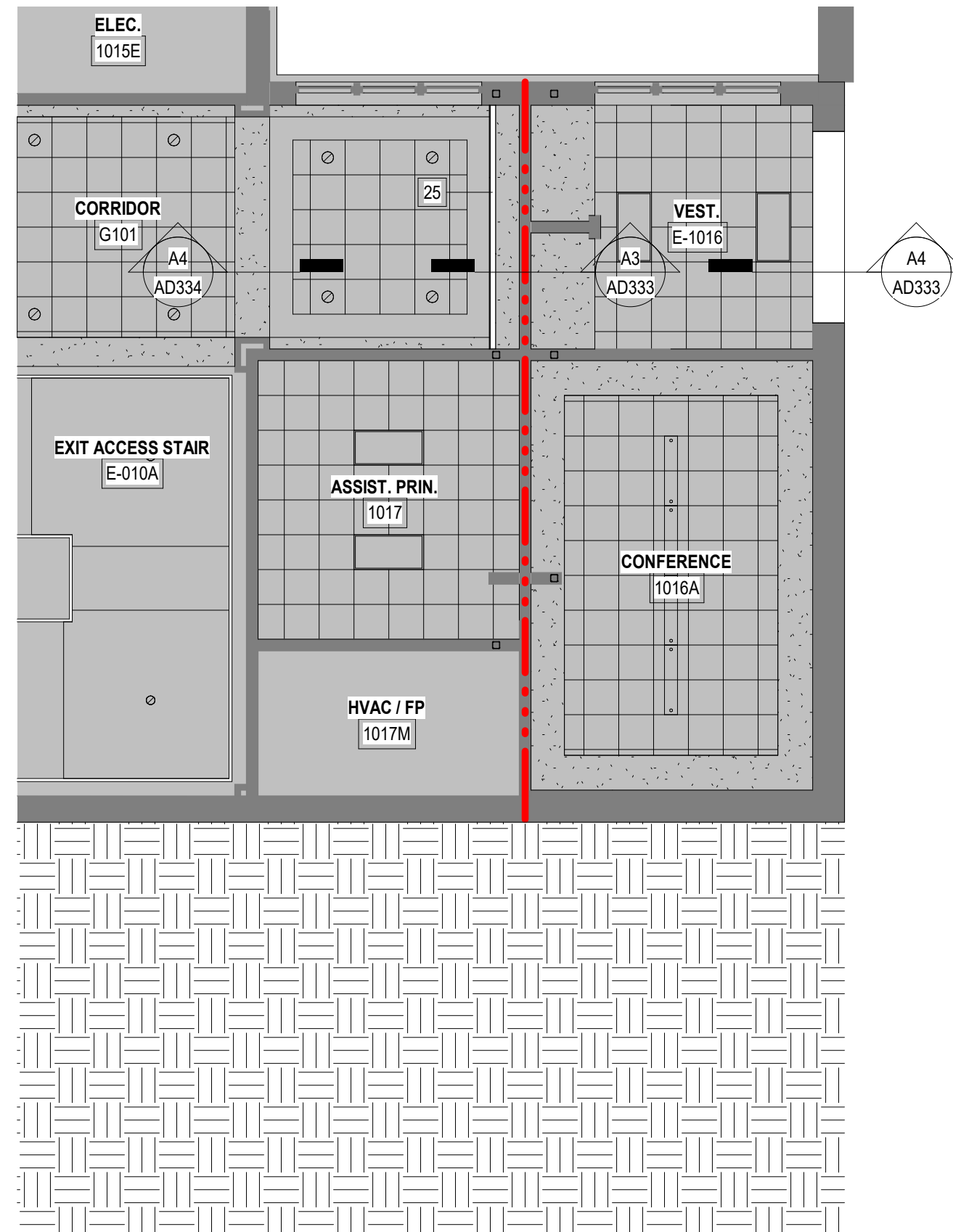
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GMP DEMO SET 01/31/22
PRINCIPAL IN CHARGE: MLC
PROJECT ARCHITECT: RPC
DRAWN BY: PS

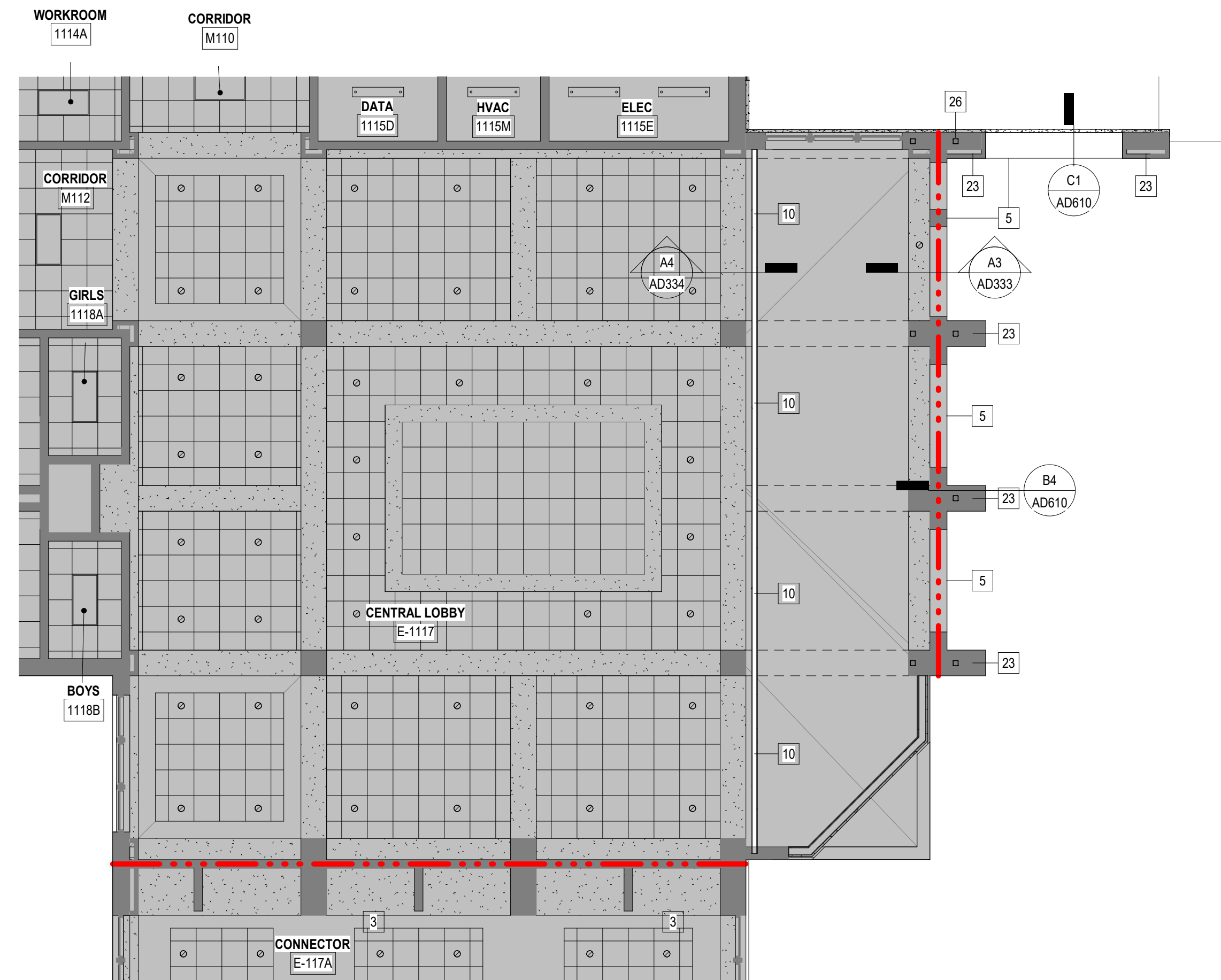
SHEET TITLE:
PHASE 2 DEMOLITION
- NEW
CONSTRUCTION PLAN

SHEET NO. PROJ. NO.
AD120 020420.00

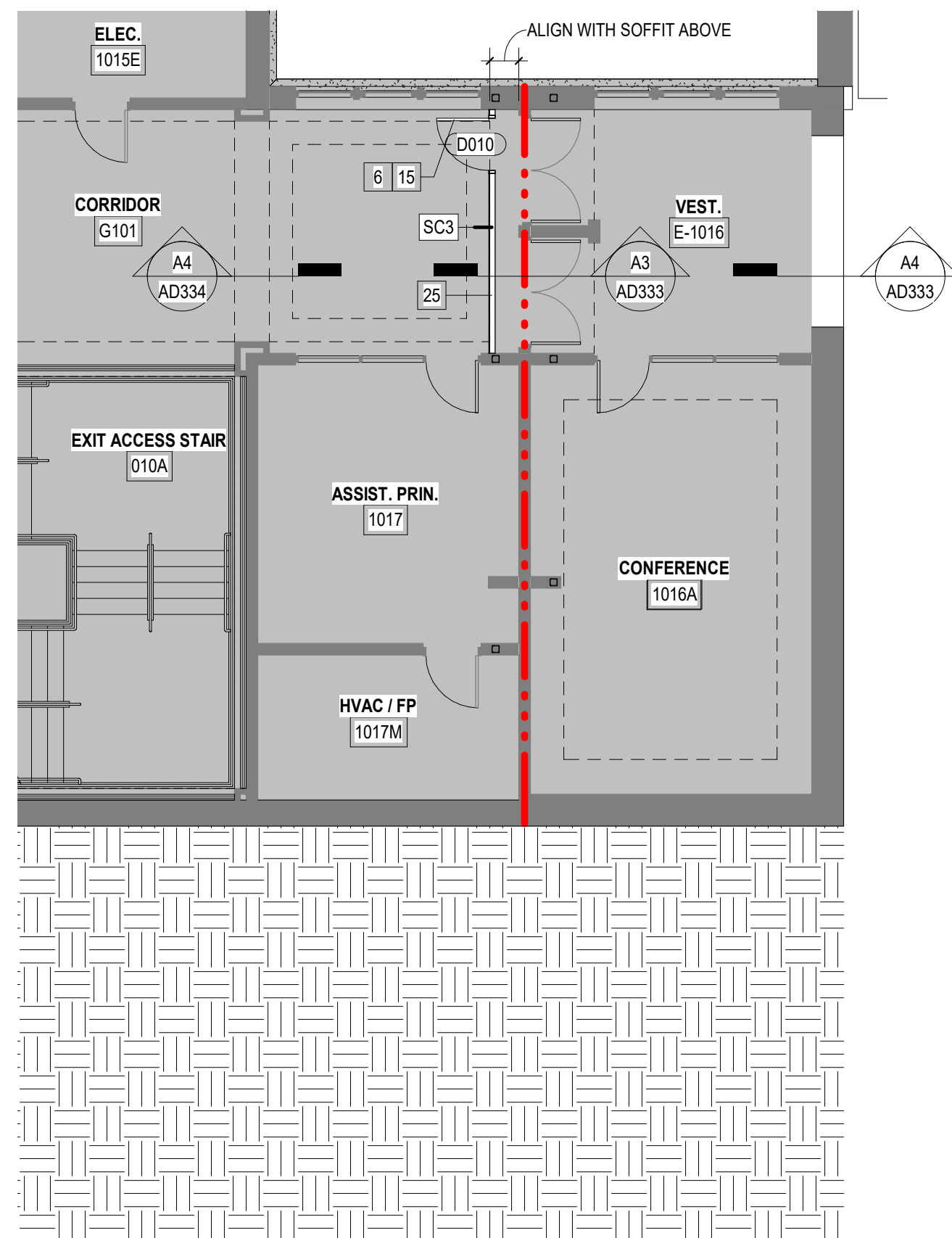
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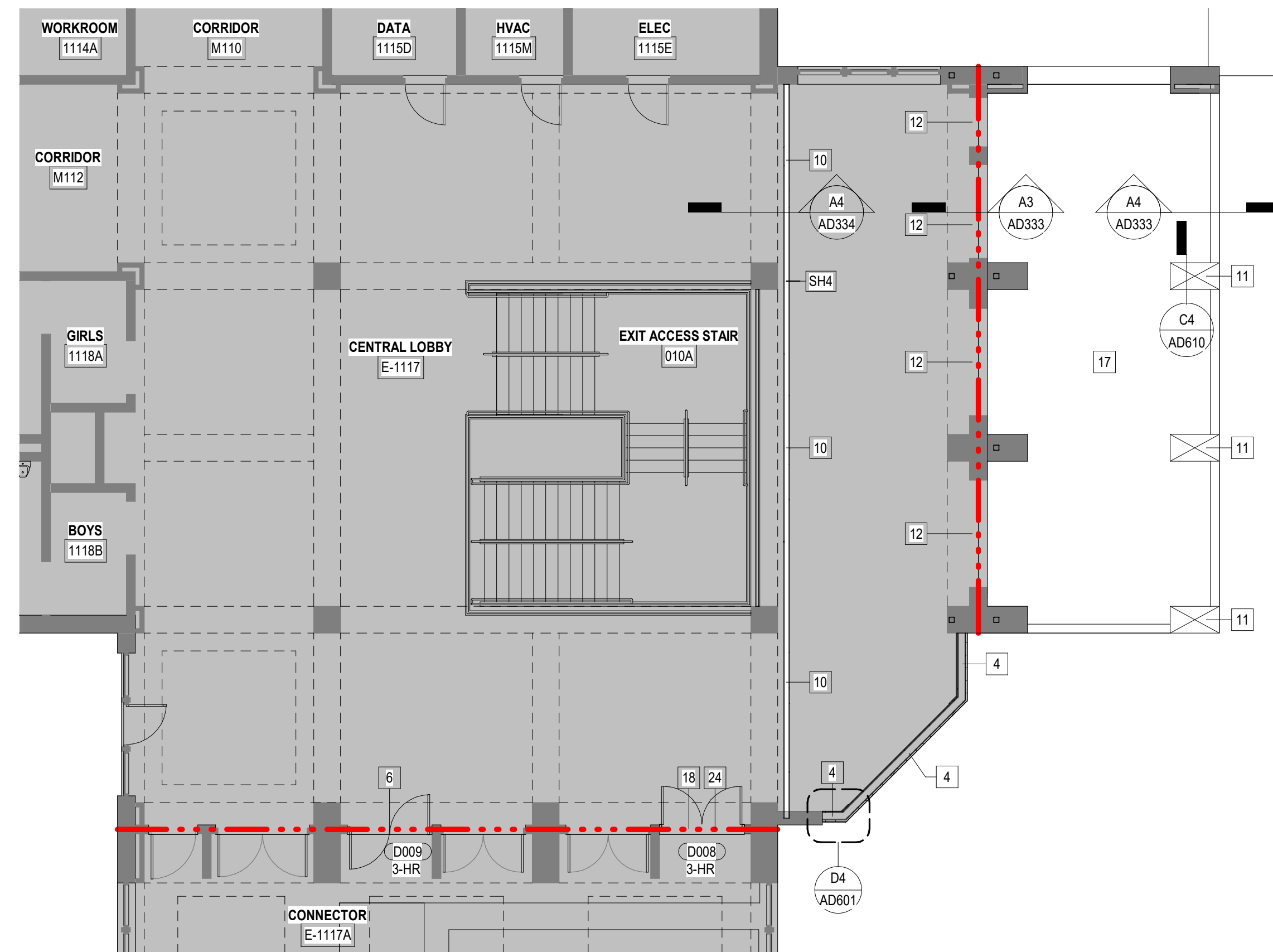
C3 AD121 1/8" = 1'-0" ENLARGED PARTIAL CEILING PLAN - NEW CONSTRUCTION - LEVEL 1000



C4 AD121 1/8" = 1'-0" ENLARGED PARTIAL CEILING PLAN - NEW CONSTRUCTION - LEVEL 1100



B3 AD121 1/8" = 1'-0" ENLARGED PARTIAL FLOOR PLAN - NEW CONSTRUCTION - LEVEL 1000

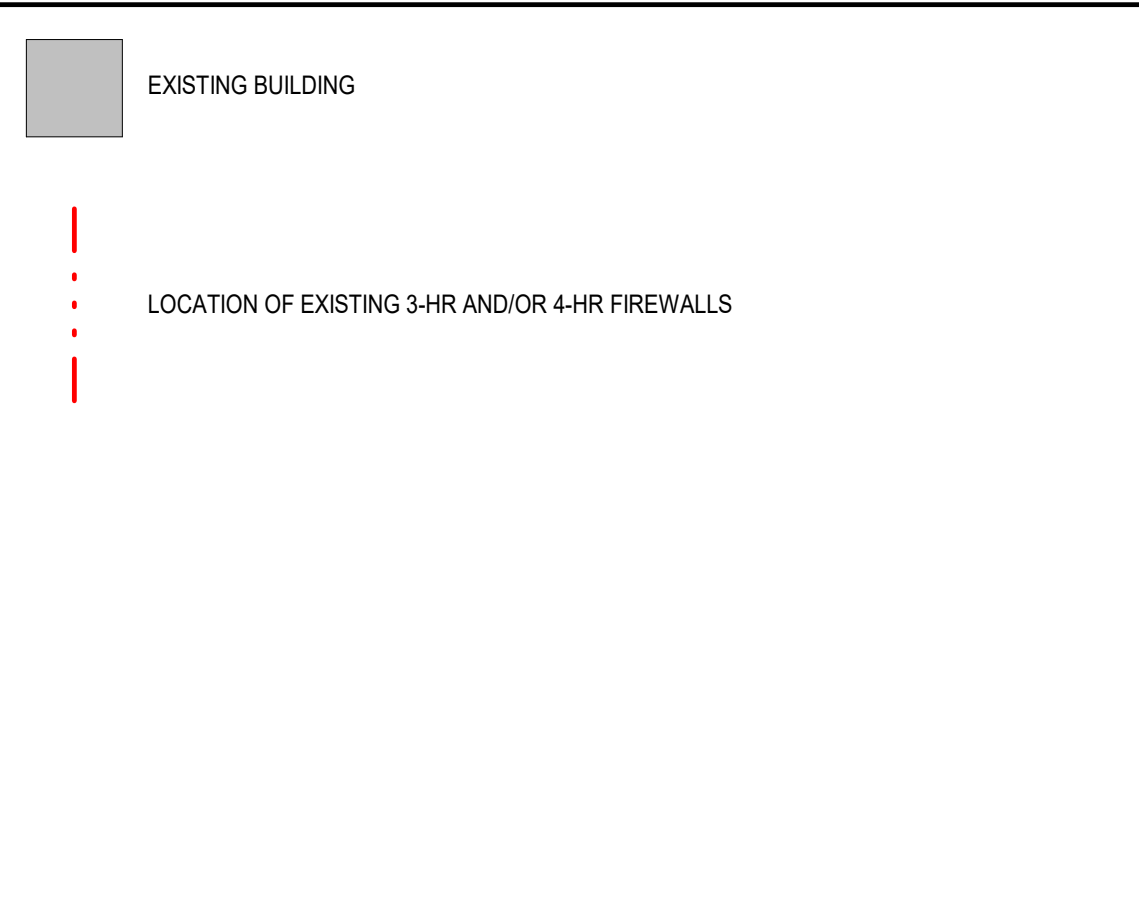


B4 AD121 1/8" = 1'-0" ENLARGED PARTIAL FLOOR PLAN - NEW CONSTRUCTION - LEVEL 1100

GENERAL DEMO NEW CONSTRUCTION KEYNOTES

- 1 WRAP EXISTING ROOF MEMBRANE OVER TOP OF REMAINING WALL WITH NEW PRESSURE TREATED BLOCKING AND FOAMED-IN-PLACE INSULATION AND ADD NEW METAL PARAPET CAP. SEE B1/AD130.
- 2 WRAP EXISTING ROOF MEMBRANE OVER NEW PRESSURE TREATED WOOD BLOCKING AND FOAMED-IN-PLACE INSULATION AT EDGE OF ROOF AND ADD NEW METAL GRAVEL STOP. SEE B1/AD130.
- 3 INSTALL NEW EXIT SIGN ABOVE DOOR
- 4 INFILL EXISTING OPENING WITH METAL STUD, EXTERIOR SHEATHING AND FOAMED-IN-PLACE INSULATION WITH 5/8" TYPE X GYP BOARD (2 LAYERS) ON THE INTERIOR. PAINT GYP BOARD COLOR SELECTED BY ARCHITECT. PATCH/REPAIR EXISTING FLOOR FINISH.
- 5 PREPARE EXISTING WALL AS NEEDED AND APPLY FOAMED-IN-PLACE INSULATION TO EXISTING WALL
- 6 INSTALL NEW DOOR AND FRAME. SEE DOOR SCHEDULE
- 7 INSTALL ADDITIONAL METAL STUD BETWEEN EXISTING STUDS AND NEW EXTERIOR SHEATHING (2 LAYERS) AND FOAM-IN-PLACE INSULATION. COORDINATE WITH DETAILS A2 AND A4/AD333.
- 8 INSTALL NEW WALLS (INTERIOR AND EXTERIOR). COORDINATE WITH DETAILS A2 AND A4/AD333.
- 9 INSTALL NEW GUTTER AND DOWNSPOUTS FOR LENGTH OF WALL
- 10 INSTALL NEW WALL FROM FLOOR TO CEILING TO SEPARATE EXISTING CONSTRUCTION FROM DEMOLITION AND FUTURE CONSTRUCTION. COORDINATE STUD SIZE WITH WALL TAG.
- 11 PROVIDE WEATHER PROOF CAP AT TOP OF MODIFIED BRICK PIER TO PROTECT EXISTING SPACES ADJACENT OR BELOW PIER. SEE DETAIL C4/AD610
- 12 COORDINATE DEMOLITION OF DOORS AND WINDOWS AND INSTALLATION OF 3-HR RATED WALL CONSTRUCTION WITH NEW CONSTRUCTION
- 13 INSTALL NEW SIDEWALK BETWEEN ENTRANCES
- 14 INSTALL NEW CANOPY BETWEEN ENTRANCES. SEE A3/AD401
- 15 KEEP DOOR LOCKED DURING DEMOLITION AND CONSTRUCTION. ADD SIGN TO DOOR SAYING "THIS IS NOT AN EXIT."
- 16 REPLACE EXISTING DOOR AND FRAME WITH NEW DOOR AND FRAME. SEE DOOR SCHEDULE.
- 17 REMOVE PEDESTAL PAVER SYSTEM (INCLUDING RIGID INSULATION, WATERPROOFING MEMBRANE, FLOOR DRAINS, ETC). COORDINATE REMOVAL WITH NEW CONSTRUCTION.
- 18 INSTALL NEW DOOR FRAME AND SALVAGED DOORS, ROTATE 180 DEGREES FROM ORIGINAL POSITION.
- 19 COORDINATE UNDERGROUND/TRENCHING WITH MECHANICAL, PLUMBING AND ELECTRICAL DWGS.
- 20 REPAIR/PATCH TO MATCH EXISTING FLOOR
- 21 REPAIR/EXTEND ATTACH EXISTING CEILING GRID AND TILE SYSTEM AT FACE OF NEW WALL
- 22 COORDINATE ROUTING OF NEW UTILITIES ON ROOF WITH MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS
- 23 PROVIDE WEATHER PROOF CAP AT TOP OF BRICK PIER TO PROTECT EXISTING SPACES ADJACENT OR BELOW PIER. SEE DETAIL B4/AD610
- 24 DISCONNECT AND COVER EXISTING EXIT SIGN ON THIS SIDE OF WALL
- 25 INSTALL NEW GYP BOARD WALL (SC-3). ALIGN OUTSIDE FACE OF GYP BOARD WITH THE EDGE OF SOFFIT ABOVE.
- 26 REPAIR/RECONSTRUCT WALL TO MATCH EXISTING CONSTRUCTION AFTER NEW STEEL COLUMN CONNECTION IS COMPLETE.
- 27 AT EXISTING ROOF DRAINS, DETERMINE THE ROUTING OF LEADERS AND MAKE SURE THEY ARE NOT PART OF THE DEMOLITION. IF THEY ARE PART OF THE DEMOLITION, THE LEADERS WILL NEED TO BE REROUTED WITHIN THE EXISTING CONSTRUCTION THAT REMAINS. COORDINATE WITH ARCHITECT.
- 28 AT EXISTING GUTTER INSTALL NEW DOWNSPOUT TO GRADE
- 29 INSTALL 6'-0" WIDE SIDEWALK ALONG BUILDING TO CONNECT TO EXISTING SIDEWALK
- 30 INSTALL 6'-0" HIGH CHAIN LINK FENCE FOR LENGTH OF SIDE WALK TO SEPARATE EGRESS PATH FROM CONSTRUCTION
- 31 INSTALL SIDEWALK. COORDINATE WITH CIVIL DRAWINGS
- 32 PROVIDE 1-HOUR RATED ACCESS DOORS (2'-0" x 3'-0") IN THE WALL
- 33 PROVIDE 1-HOUR RATED ACCESS DOORS (2'-0" x 2'-0") IN THE GYP BOARD CEILING
- 34 FRAME A KNOCK OUT PANEL IN STUD WALL TO BE REMOVED WHEN RECESS BUILT FOR DOORS
- 35 INSTALL (2) NEW 6'-0" TALL x 3'-0" WIDE CHAIN LINK FENCE GATES WITH PANIC BARS. SEE A4/AD4LS121.
- 36 INSTALL (2) NEW 6'-0" TALL x 9'-0" WIDE CHAINLINK FENCE GATES
- 37 INSTALL NEW CURB CUT. SEE CIVIL DRAWINGS
- 38 INSTALL (2) NEW 6'-0" TALL x 4'-0" WIDE CHAINLINK FENCE GATES

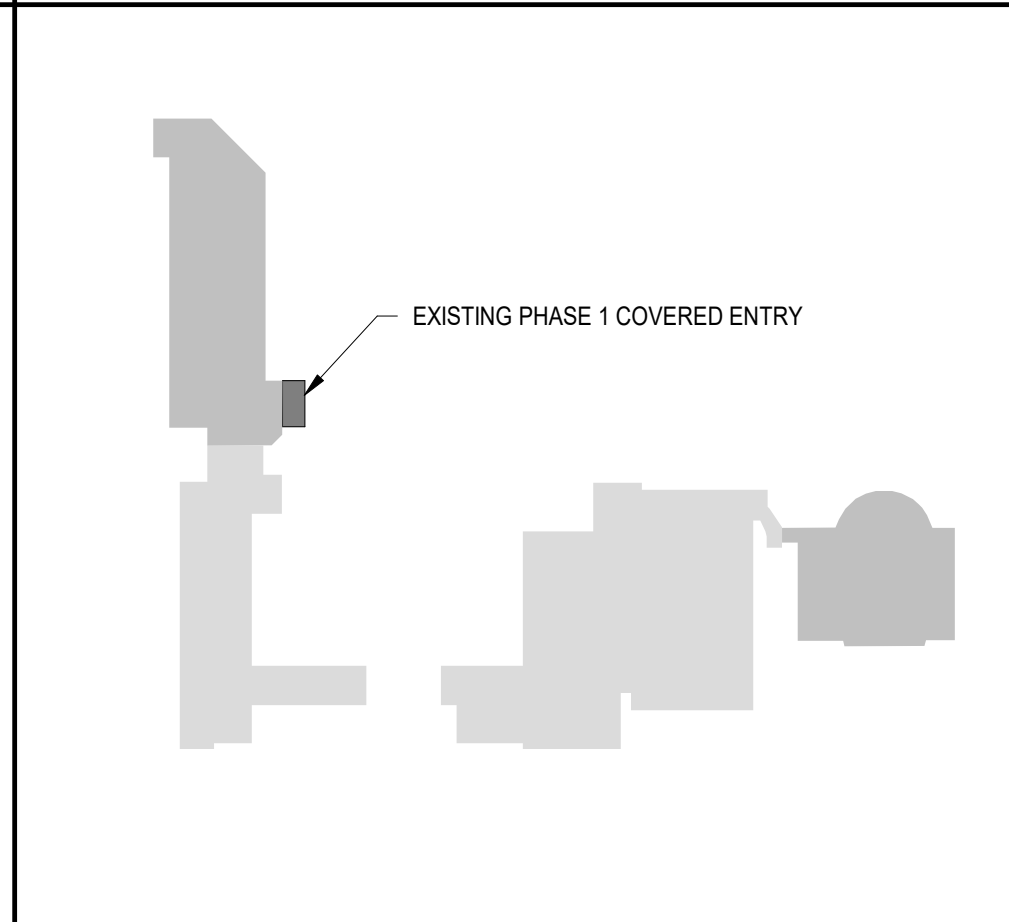
DEMO NEW CONSTRUCTION LEGEND



DEMO NEW CONSTRUCTION NOTES

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4. WHERE EXISTING CONCRETE SLABS ARE REMOVED FOR THE INSTALLATION OF NEW MATERIALS AND/OR THE REMOVAL OF EXISTING MATERIALS PATCH WITH INSECTICIDE SOIL TREATMENT OF DISTURBED AREA. 4" THICK CRUSHED ROCK SUBGRADE, 6 MIL POLY VAPOR BARRIER, CONCRETE SLAB WITH WWF REINFORCING (MATCH EXISTING THICKNESS).
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6. THE GENERAL CONTRACTOR SHALL MAINTAIN ALL MEANS OF EGRESS FROM THE FACILITY DURING THE DURATION OF THE WORK. CORRIDORS ARE NOT TO BE SUBSTANTIALLY REDUCED IN WIDTH. EXIT SIGNS, ALARM PULL STATIONS, ETC. ARE NOT TO BE BLOCKED FROM VIEW.
7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT EXISTING SURFACES AND FINISHED TO REMAIN IN THE AREAS RENOVATED AND ALONG ROUTES OF WASTE REMOVAL. DAMAGE TO SUCH SURFACES SHALL BE REPAIRED TO AN EXISTING CONDITIONS STATUS BY THE GENERAL CONTRACTOR AT NO CHARGE.

KEY PLAN



ALL DRAWINGS, SPECIFICATIONS AND NOTES HEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DRAWINGS ARE TO BE USED ONLY WITHIN THE PROJECT AND SITE SPECIFICALLY IDENTIFIED BY MCMILLAN PAZDAN SMITH ARCHITECTURE. NO PART OF THESE DRAWINGS ARE TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. MCMILLAN PAZDAN SMITH ARCHITECTURE ASSUMES NO LIABILITY FOR ANY DAMAGE TO PERSONS OR PROPERTY ARISING FROM THE USE OF THESE DRAWINGS. THE USER OF THESE DRAWINGS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY INFORMATION FROM THE APPROPRIATE AGENCIES. MCMILLAN PAZDAN SMITH ARCHITECTURE SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY ARISING FROM THE USE OF THESE DRAWINGS. THE USER OF THESE DRAWINGS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY INFORMATION FROM THE APPROPRIATE AGENCIES. MCMILLAN PAZDAN SMITH ARCHITECTURE SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY ARISING FROM THE USE OF THESE DRAWINGS. THE USER OF THESE DRAWINGS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY INFORMATION FROM THE APPROPRIATE AGENCIES.

SPARTANBURG SCHOOL DISTRICT FIVE
JAMES F. BYRNES HIGH SCHOOL
PHASE 2 DEMOLITION

150 E. MAIN STREET
DUNCAN, SC 29504

NO.	DATE	DESCRIPTION	BY
B	12/15/21	DD DEMO	MLC
C	01/31/22	GMP DEMO SET	MLC

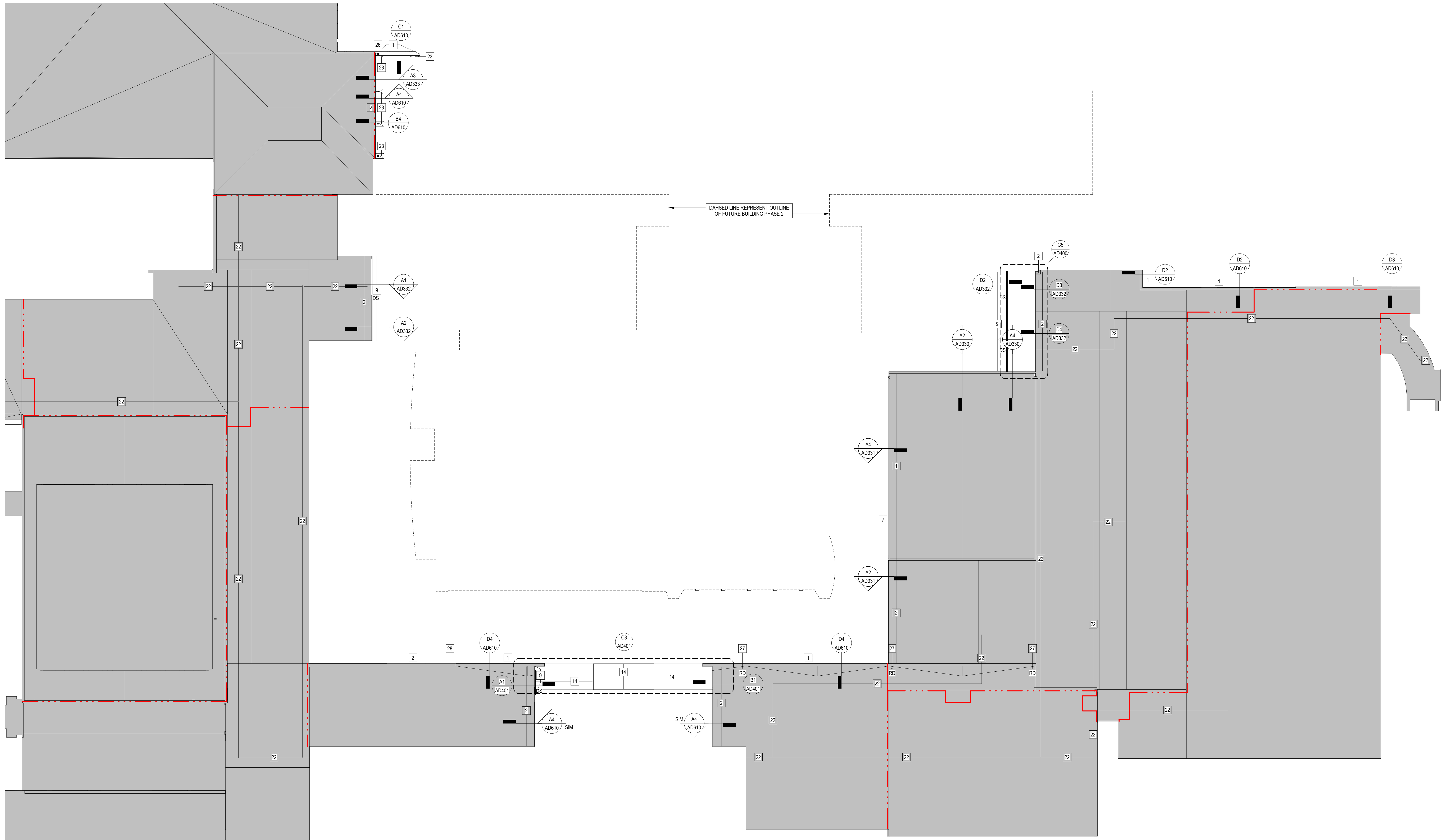
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GMP DEMO SET 01/31/22

PRINCIPAL IN CHARGE: MLC
PROJECT ARCHITECT: RPC
DRAWN BY: PS

SHEET TITLE:
PHASE 2 DEMOLITION
-NEW CONSTRUCTION
ROOF PLAN

SHEET NO. PROJ. NO.
AD130 02040.00

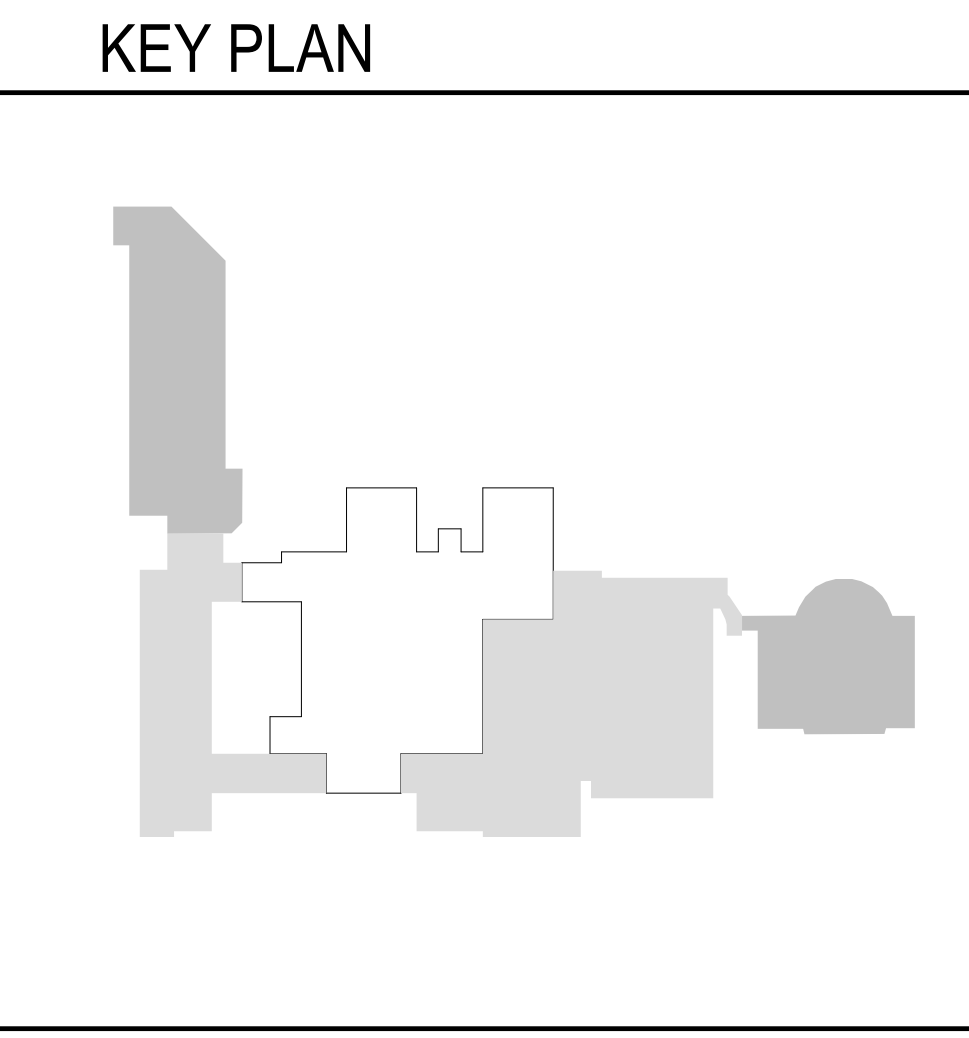


B1 PHASE 2 DEMOLITION - NEW CONSTRUCTION ROOF PLAN
AD130 1/16" = 1'-0"

GENERAL DEMO NEW CONSTRUCTION KEYNOTES			
1	WRAP EXISTING ROOF MEMBRANE OVER TOP OF REMAINING WALL WITH NEW PRESSURE TREATED BLOCKING AND FOAMED-IN-PLACE INSULATION AND ADD NEW METAL PARAPET CAP. SEE B1AD130.	15	KEEP DOOR LOCKED DURING DEMOLITION AND CONSTRUCTION. ADD SIGN TO DOOR SAYING "THIS IS NOT AN EXIT."
2	WRAP EXISTING ROOF MEMBRANE OVER NEW PRESSURE TREATED WOOD BLOCKING AND FOAMED-IN-PLACE INSULATION AT EDGE OF ROOF AND ADD NEW METAL GRAVEL STOP. SEE B1AD130.	16	REPLACE EXISTING DOOR AND FRAME WITH NEW DOOR AND FRAME. SEE DOOR SCHEDULE.
3	INSTALL NEW EXIT SIGN ABOVE DOOR	17	REMOVE PEDESTAL PAVER SYSTEM (INCLUDING RIGID INSULATION, WATERPROOFING MEMBRANE, FLOOR DRAINS, ETC), COORDINATE REMOVAL WITH NEW CONSTRUCTION.
4	INFILL EXISTING OPENING WITH METAL STUD, EXTERIOR SHEATHING AND FOAMED-IN-PLACE INSULATION WITH 5/8" TYPE X GYP BOARD (2 LAYERS) ON THE INTERIOR. PAINT GYP BOARD COLOR SELECTED BY ARCHITECT. PATCH/REPAIR EXISTING FLOOR FINISH.	18	INSTALL NEW DOOR FRAME AND SALVAGED DOORS, ROTATE 180 DEGREES FROM ORIGINAL POSITION.
5	PREPARE EXISTING WALL AS NEEDED AND APPLY FOAMED-IN-PLACE INSULATION TO EXISTING WALL.	19	COORDINATE UNDERGROUND/TRENCHING WITH MECHANICAL, PLUMBING AND ELECTRICAL DWGS.
6	INSTALL NEW DOOR AND FRAME. SEE DOOR SCHEDULE	20	REPAIR/PATCH TO MATCH EXISTING FLOOR
7	INSTALL ADDITIONAL METAL STUD BETWEEN EXISTING STUDS AND NEW EXTERIOR SHEATHING (2 LAYERS) AND FOAM-IN-PLACE INSULATION. COORDINATE WITH DETAILS A2 AND A4/A4D333.	21	REPAIR/EXTEND/ATTACH EXISTING CEILING GRID AND TILE SYSTEM AT FACE OF NEW WALL
8	INSTALL NEW WALLS (INTERIOR AND EXTERIOR). COORDINATE WITH DETAILS A2 AND A4/A4D333.	22	COORDINATE ROUTING OF NEW UTILITIES ON ROOF WITH MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
9	INSTALL NEW GUTTER AND DOWNSPOUTS FOR LENGTH OF WALL	23	PROVIDE WEATHER PROOF CAP AT TOP OF BRICK PIER TO PROTECT EXISTING SPACES ADJACENT OR BELOW PIER. SEE DETAIL C4/A6/610
10	INSTALL NEW WALL FROM FLOOR TO CEILING TO SEPARATE EXISTING CONSTRUCTION FROM DEMOLITION AND FUTURE CONSTRUCTION. COORDINATE STUD SIZE WITH WALL TAG.	24	DISCONNECT AND COVER EXISTING EXIT SIGN ON THIS SIDE OF WALL.
11	PROVIDE WEATHER PROOF CAP AT TOP OF MODIFIED BRICK PIER TO PROTECT EXISTING SPACES ADJACENT OR BELOW PIER. SEE DETAIL C4/A6/610	25	INSTALL NEW GYP BOARD WALL (SC-3). ALIGN OUTSIDE FACE OF GYP BOARD WITH THE EDGE OF SOFFIT ABOVE.
12	COORDINATE DEMOLITION OF DOORS AND WINDOWS AND INSTALLATION OF 3-HR RATED WALL CONSTRUCTION WITH NEW CONSTRUCTION	26	REPAIR/RECONSTRUCT WALL TO MATCH EXISTING CONSTRUCTION AFTER NEW STEEL COLUMN CONNECTION IS COMPLETE.
13	INSTALL NEW SIDEWALK BETWEEN ENTRANCES	27	AT EXISTING ROOF DRAINS, DETERMINE THE ROUTING OF LEADERS AND MAKE SURE THEY ARE NOT PART OF THE DEMOLITION. IF THEY ARE PART OF THE DEMOLITION, THE LEADERS WILL NEED TO BE REROUTED WITHIN THE EXISTING CONSTRUCTION THAT REMAINS, COORDINATE WITH ARCHITECT.
14	INSTALL NEW CANOPY BETWEEN ENTRANCES. SEE A3/A4D401	28	AT EXISTING GUTTER INSTALL NEW DOWNSPOUT TO GRADE
		29	INSTALL 6'-0" WIDE SIDEWALK ALONG BUILDING TO CONNECT TO EXISTING SIDEWALK
		30	INSTALL 6'-0" HIGH CHAIN LINK FENCE FOR LENGTH OF SIDE WALK TO SEPARATE EGRESS PATH FROM CONSTRUCTION
		31	INSTALL SIDEWALK, COORDINATE WITH CIVIL DRAWINGS
		32	PROVIDE 1-HOUR RATED ACCESS DOORS (2'-0" x 3'-0") IN THE WALL
		33	PROVIDE 1-HOUR RATED ACCESS DOORS (2'-0" x 2'-0") IN THE GYP BOARD CEILING
		34	FRAME A KNOCK OUT PANEL IN STUD WALL TO BE REMOVED WHEN RECESS BUILT FOR DOORS
		35	INSTALL (2) NEW 6'-0" TALL x 3'-0" WIDE CHAIN LINK FENCE GATES WITH PANIC BARS. SEE A4/A4D4LS121.
		36	INSTALL (2) NEW 6'-0" TALL x 9'-0" WIDE CHAINLINK FENCE GATES
		37	INSTALL NEW CURB CUT. SEE CIVIL DRAWINGS
		38	INSTALL (2) NEW 6'-0" TALL x 4'-0" WIDE CHAINLINK FENCE GATES

DEMO NEW CONSTRUCTION LEGEND	
	EXISTING BUILDING
	LOCATION OF EXISTING 3-HR AND/OR 4-HR FIREWALLS

DEMO NEW CONSTRUCTION NOTES	
1.	GENERAL CONTRACTOR TO REPORT DISCOVERY OF ANY ASBESTOS RELATED MATERIAL TO ARCHITECT. ASBESTOS REMOVAL IS NOT WITHIN THE SCOPE OF THIS CONTRACT.
2.	PROTECT AND KEEP CLEAN THE OWNER'S EXISTING PROPERTY (EXISTING CARPETS, VCT, MILLWORK, ETC.) NOT REMOVED AS PART OF THE DEMOLITION.
3.	EXISTING AREAS DAMAGED BY CONSTRUCTION ACTIVITIES (i.e. NEW HVAC, ELECTRICAL AND PLUMBING SYSTEMS, ETC.) SHALL BE REPAIRED TO MATCH EXISTING CONDITIONS PRIOR TO DAMAGE. NEW FINISHES SHALL MATCH IN MATERIAL, COLOR, TEXTURE AND PROFILE TO THE ADJACENT EXISTING CONDITIONS.
4.	WHERE EXISTING CONCRETE SLABS ARE REMOVED FOR THE INSTALLATION OF NEW MATERIALS AND/OR THE REMOVAL OF EXISTING MATERIALS PATCH WITH INSECTICIDE SOIL TREATMENT OF DISTURBED AREA. 4" THICK CRUSHED ROCK SUBGRADE, 6 MIL POLY VAPOR BARRIER, CONCRETE SLAB WITH WWF REINFORCING (MATCH EXISTING THICKNESS).
5.	AFTER REMOVAL OF MATERIALS PERIMETER WALLS SHALL BE SMOOTH OR FLUSH. ANY PROTRUSIONS OR DEPRESSIONS NEED TO BE REMOVED OR FILLED. IF THIS IS IMPOSSIBLE NOTIFY THE ARCHITECT IMMEDIATELY.
6.	THE GENERAL CONTRACTOR SHALL MAINTAIN ALL MEANS OF EGRESS FROM THE FACILITY DURING THE DURATION OF THE WORK. CORRIDORS ARE NOT TO BE SUBSTANTIALLY REDUCED IN WIDTH. EXIT SIGNS, ALARM PULL STATIONS, ETC. ARE NOT TO BE BLOCKED FROM VIEW.
7.	THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT EXISTING SURFACES AND FINISHED TO REMAIN IN THE AREAS RENOVATED AND ALONG ROUTES OF WASTE REMOVAL. DAMAGE TO SUCH SURFACES SHALL BE REPAIRED TO AN EXISTING CONDITIONS STATUS BY THE GENERAL CONTRACTOR AT NO CHARGE.



SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
B	12/15/21	DD DEMO	MLC
C	01/31/22	GMP DEMO SET	MLC

GMP DEMO SET 01/31/22

PRINCIPAL IN CHARGE: MLC
PROJECT ARCHITECT: RPC
DRAWN BY: PS

SHEET TITLE:
PHASE 2 DEMOLITION
- WALL SECTIONS

SHEET NO. PROJ. NO.
020420.00

AD331

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D

C

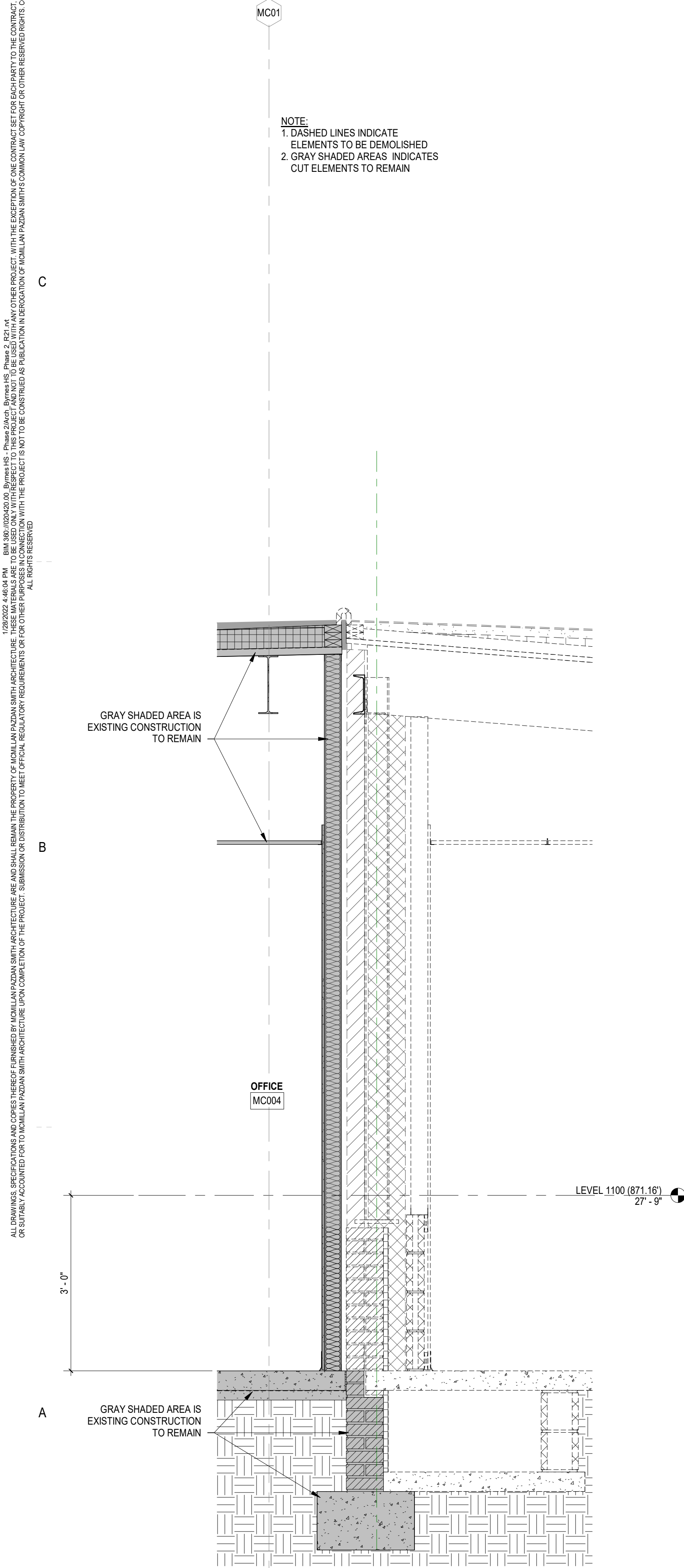
B

A

A1
AD331

WALL SECTION AT MEDIA CENTER - LOW ROOF - DEMOLITION

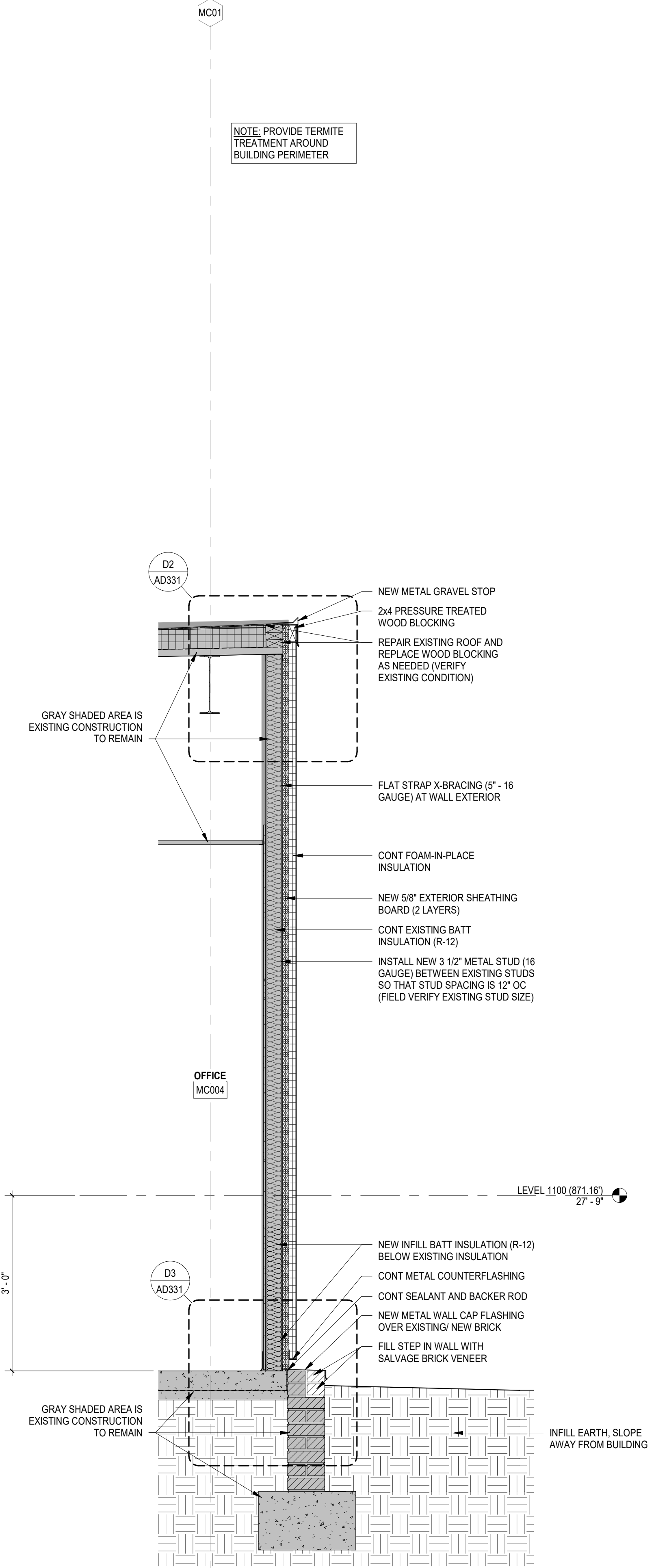
3/4" = 1'-0"



A2
AD331

WALL SECTION AT MEDIA CENTER - LOW ROOF - NEW CONSTRUCTION

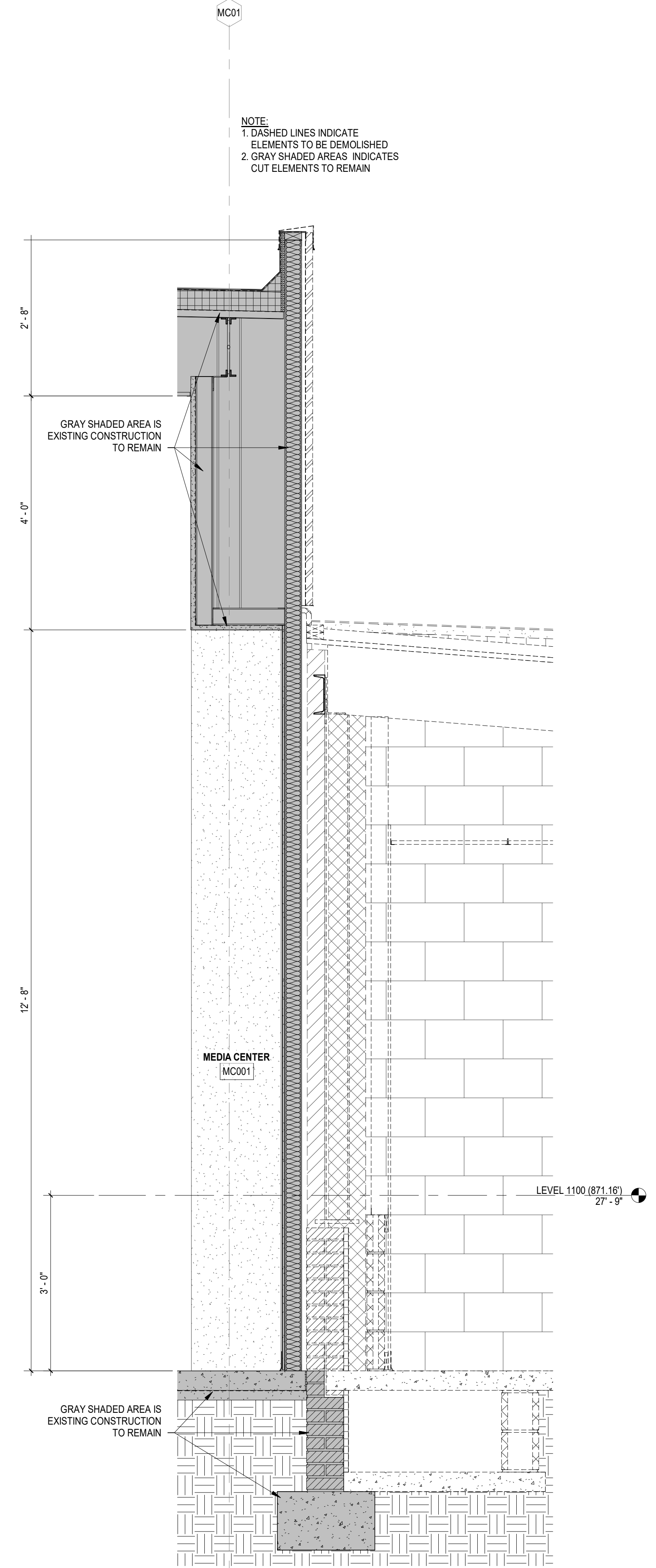
3/4" = 1'-0"



A3
AD331

WALL SECTION AT MEDIA CENTER - HIGH ROOF - DEMOLITION

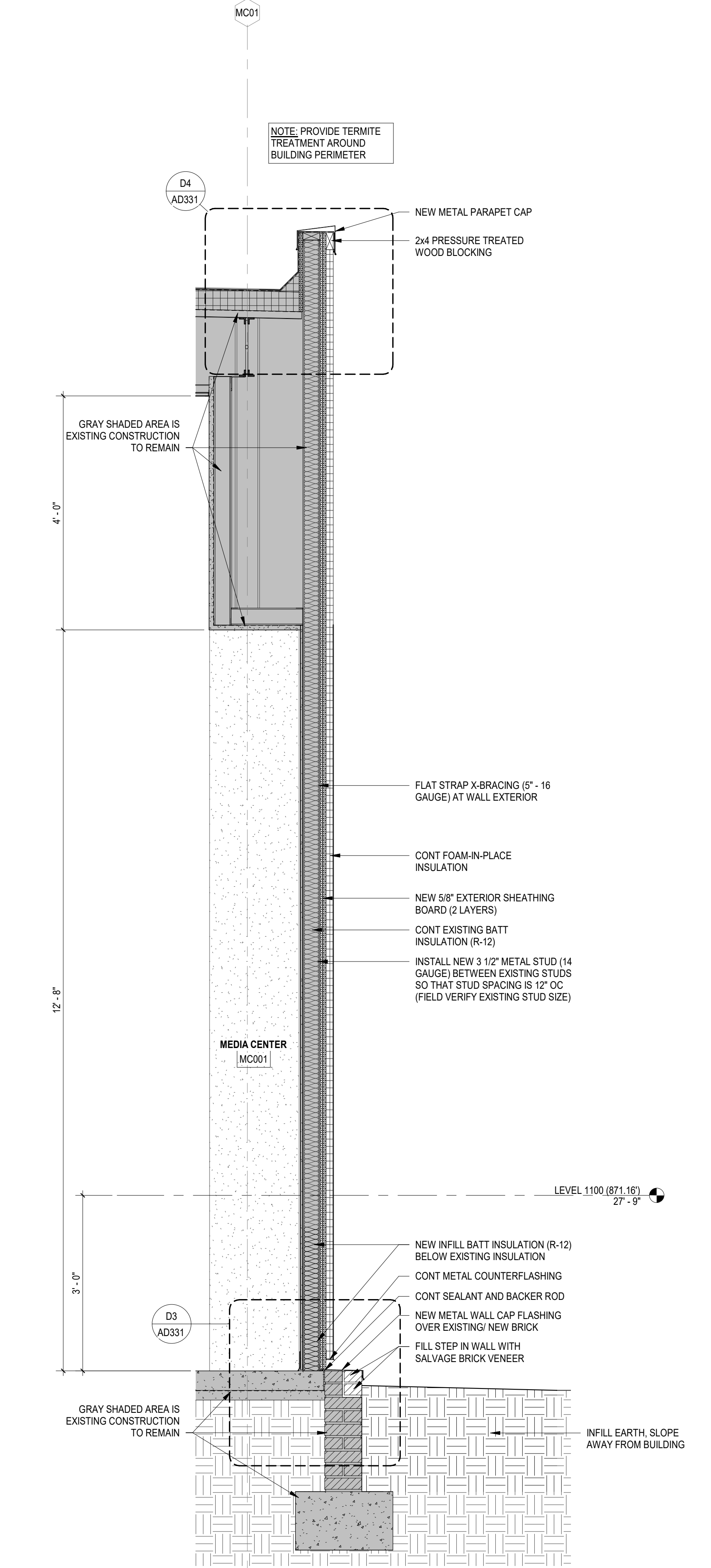
3/4" = 1'-0"



A4
AD331

WALL SECTION AT MEDIA CENTER - HIGH ROOF - NEW CONSTRUCTION

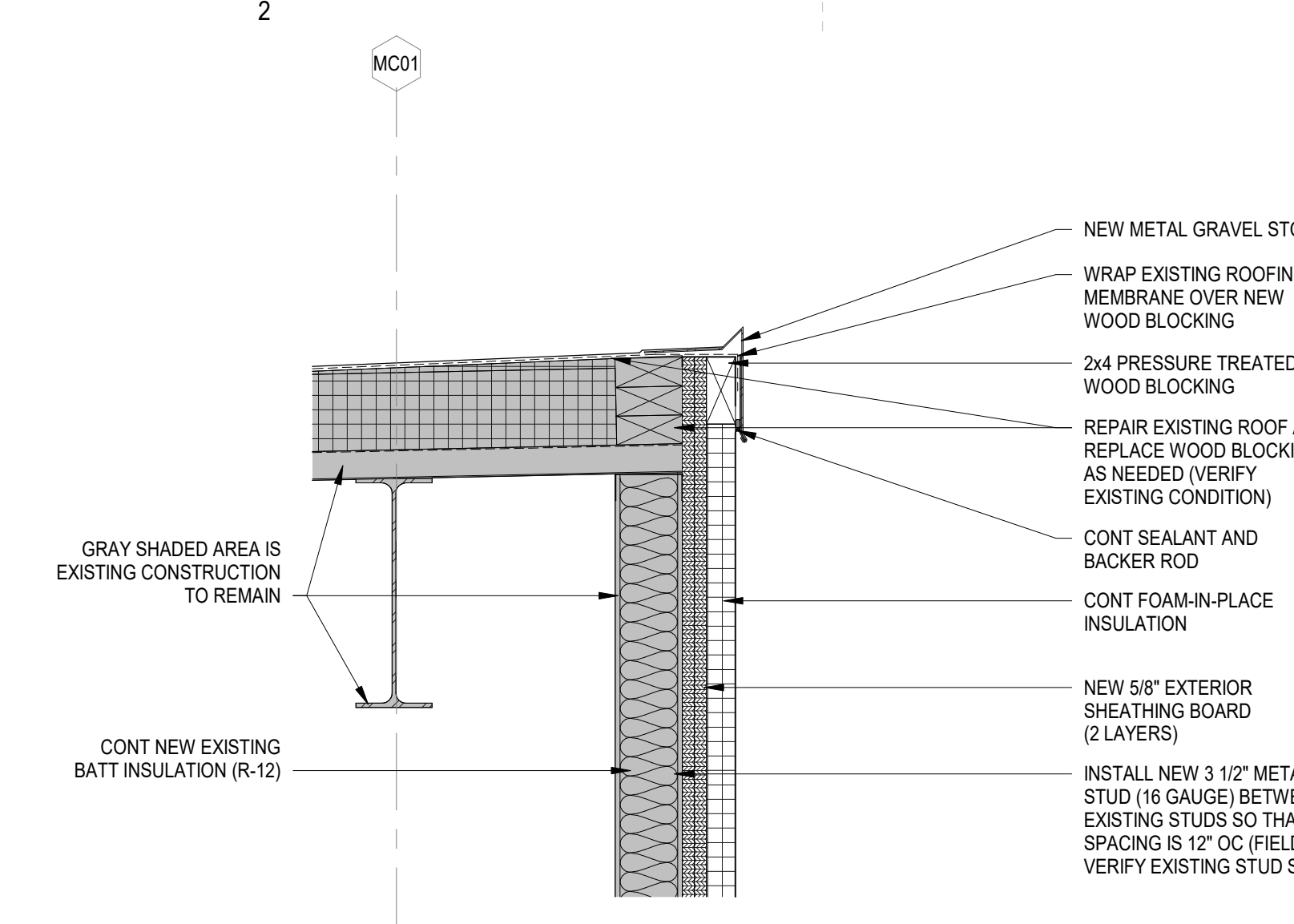
3/4" = 1'-0"



D2
AD331

SECTION DETAIL

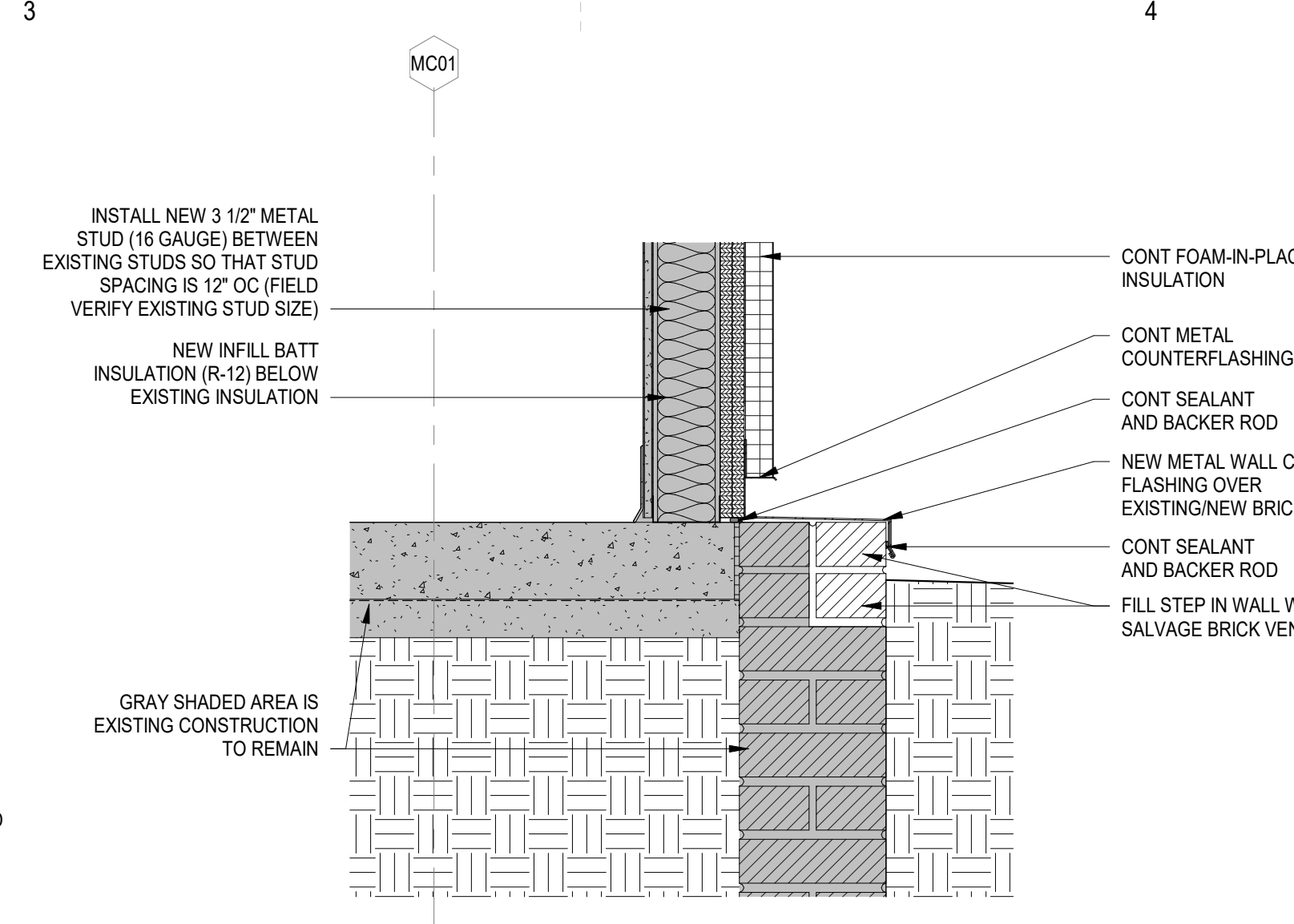
1 1/2" = 1'-0"



D3
AD331

SECTION DETAIL

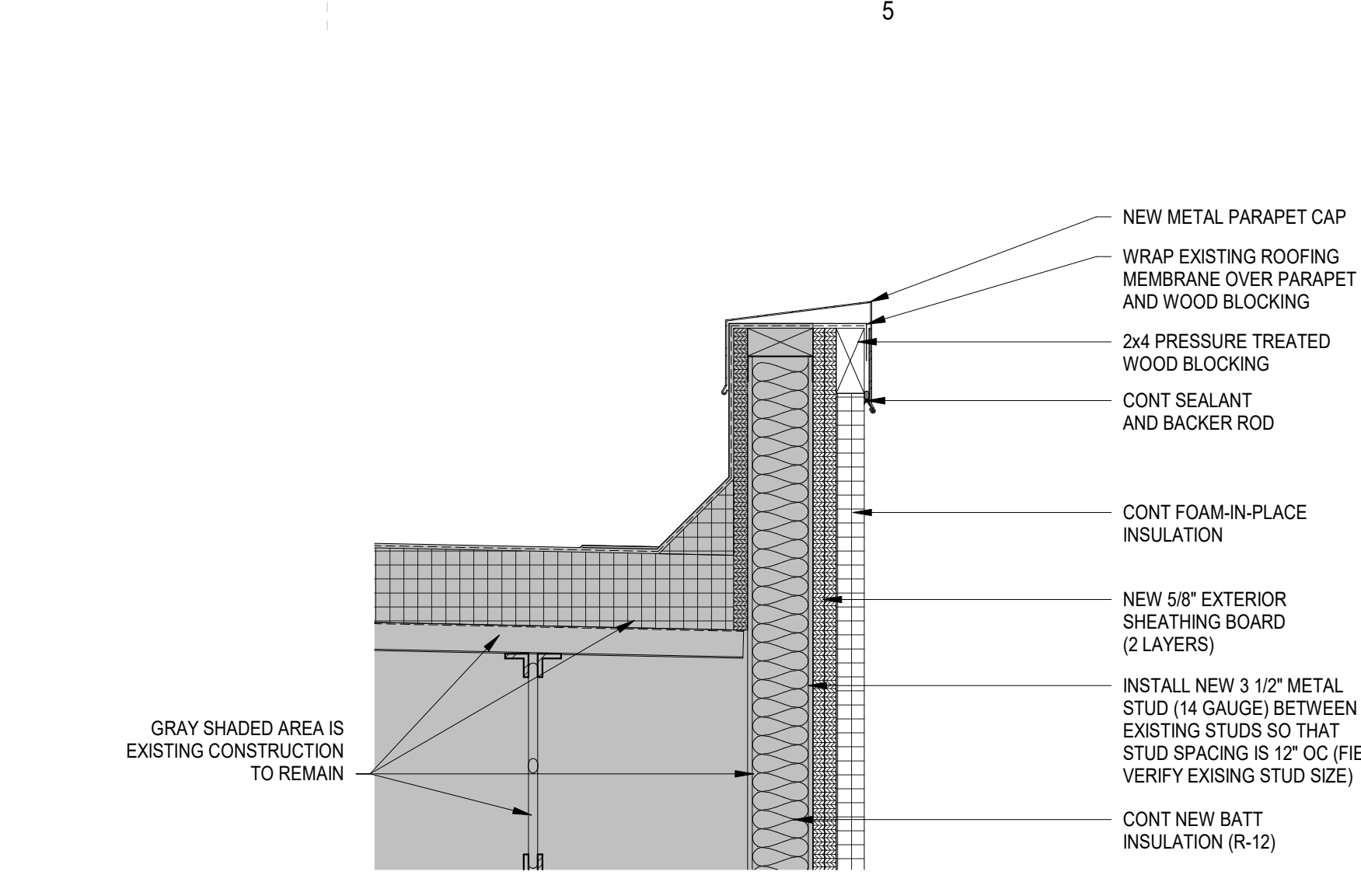
1 1/2" = 1'-0"

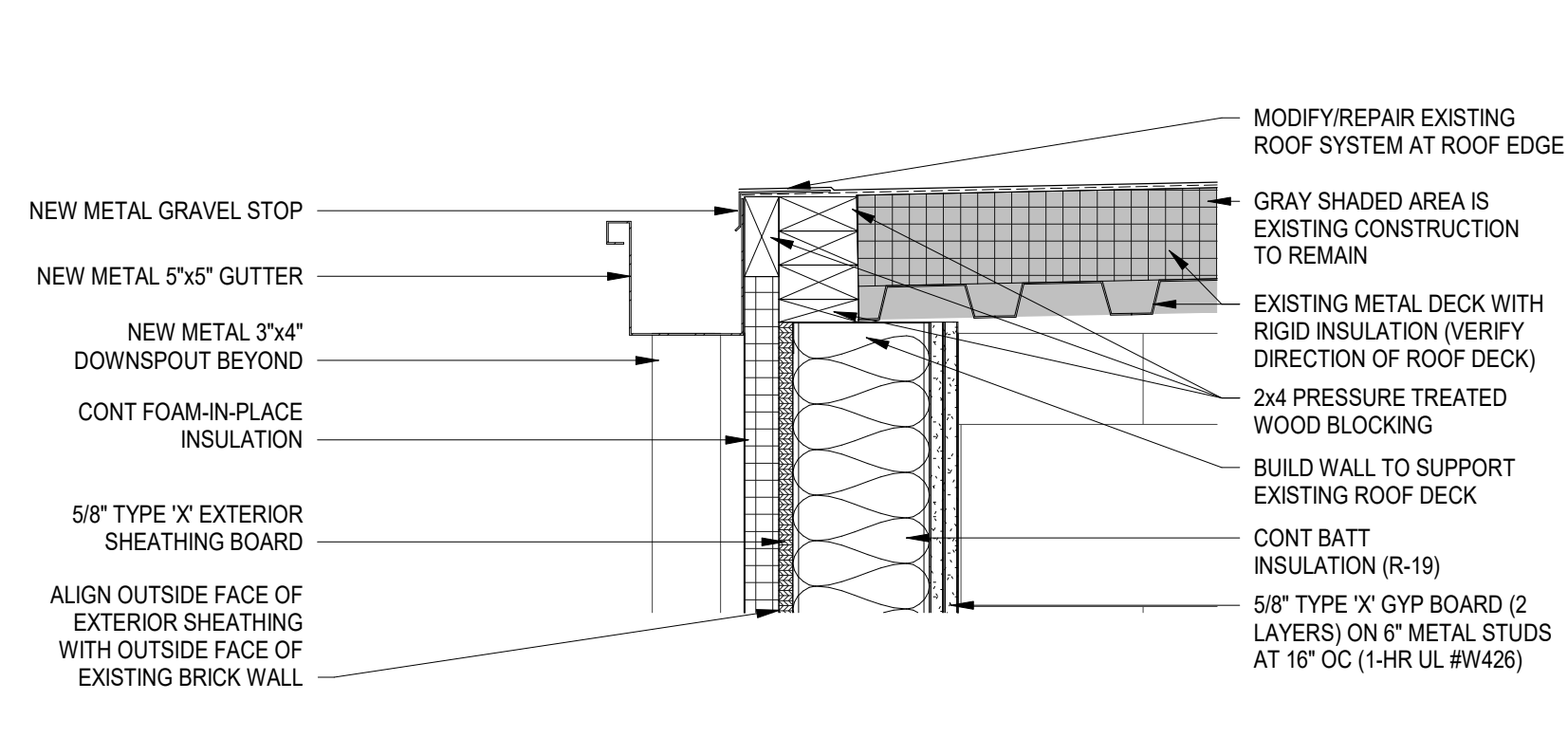


D4
AD331

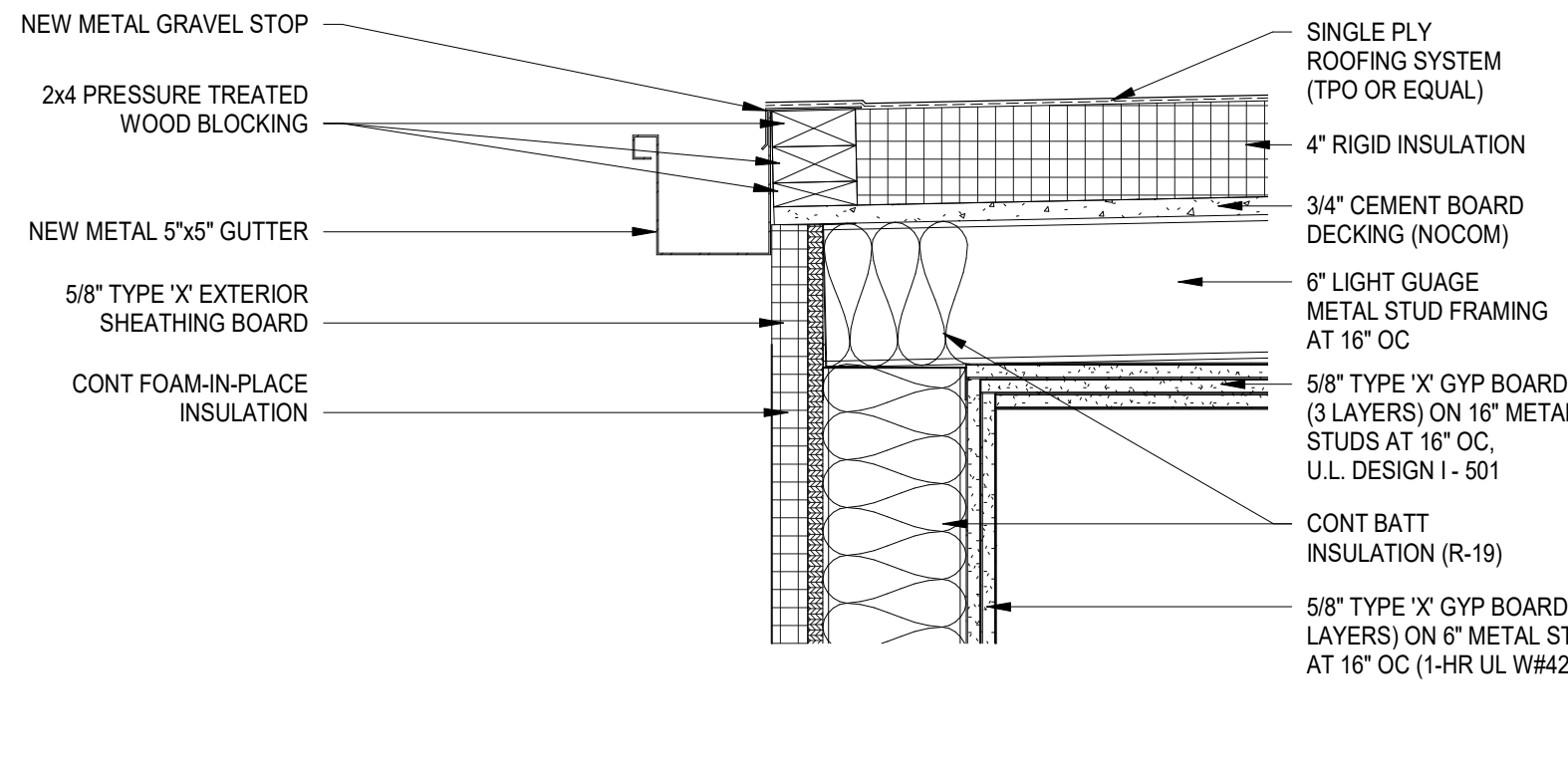
SECTION DETAIL

1 1/2" = 1'-0"

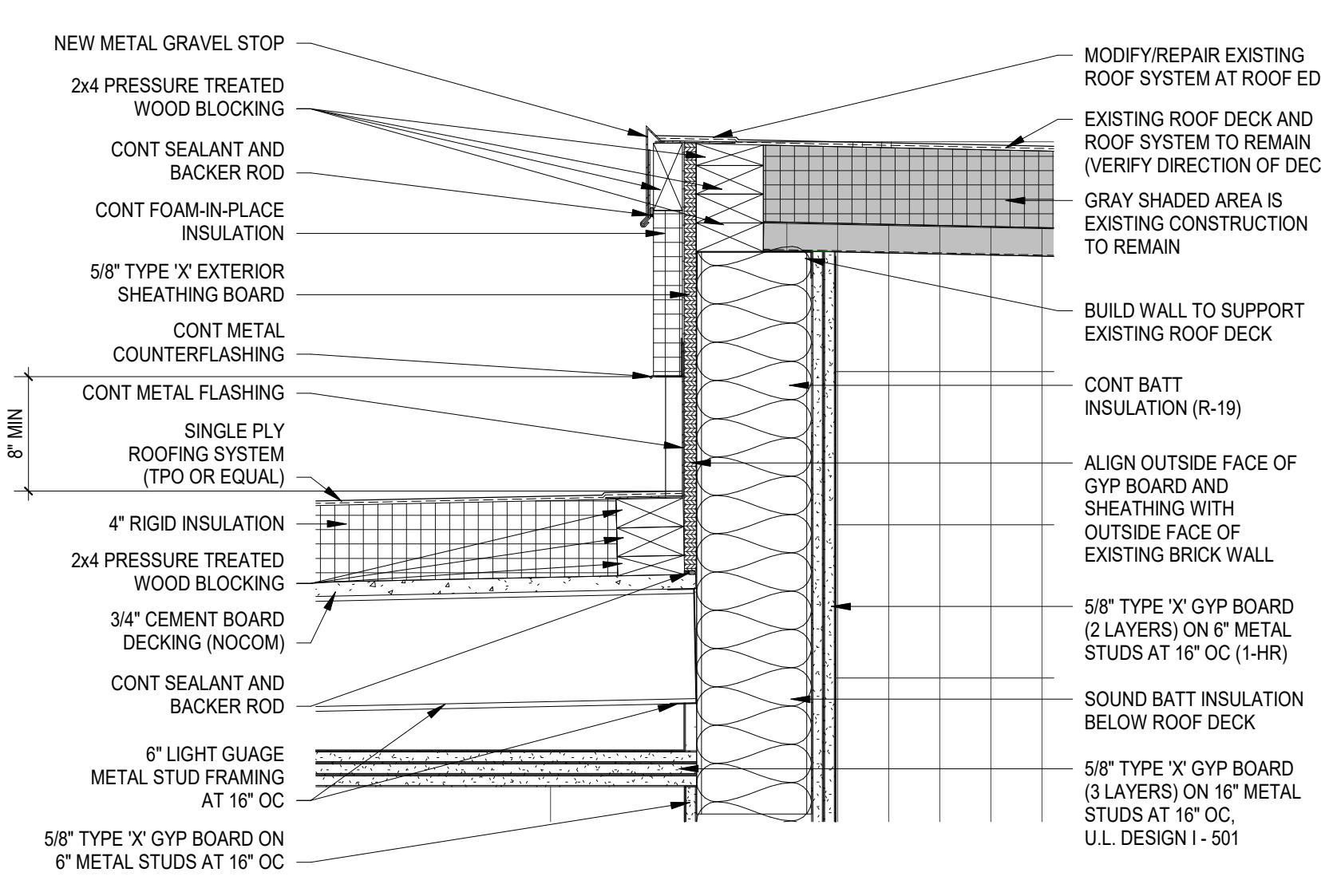




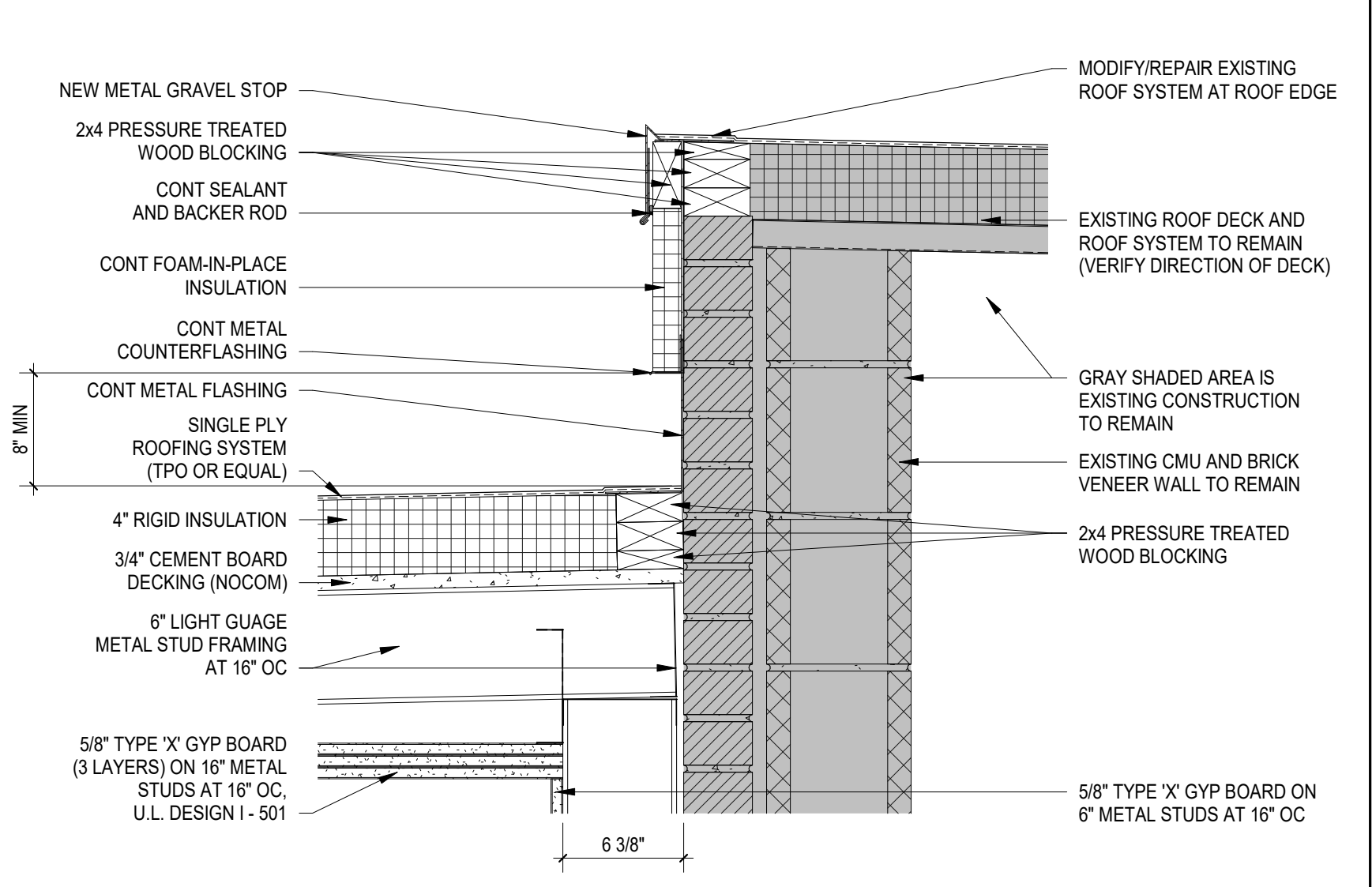
D1 SECTION DETAIL
AD332 1 1/2" = 1'-0"



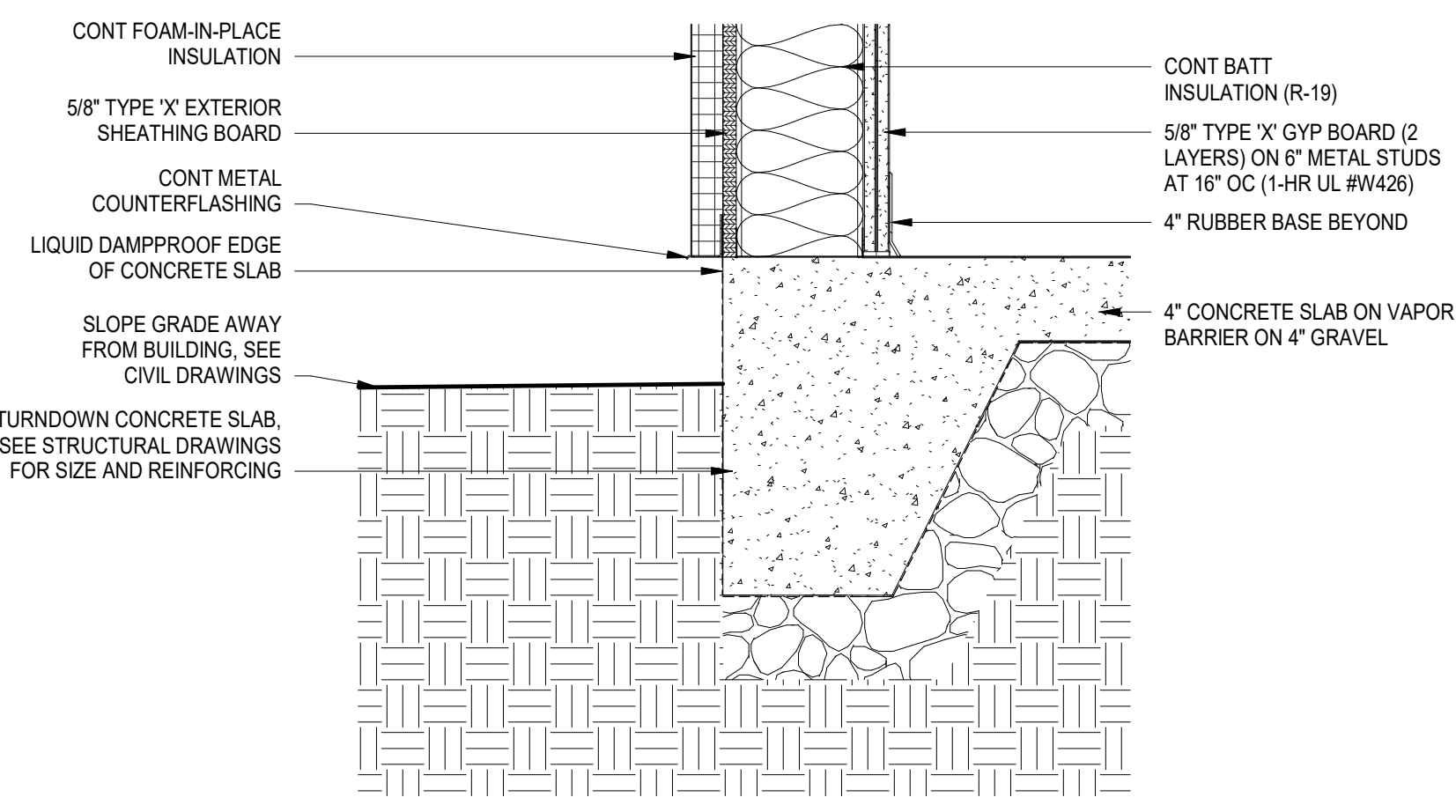
D2 SECTION DETAIL
AD332 1 1/2" = 1'-0"



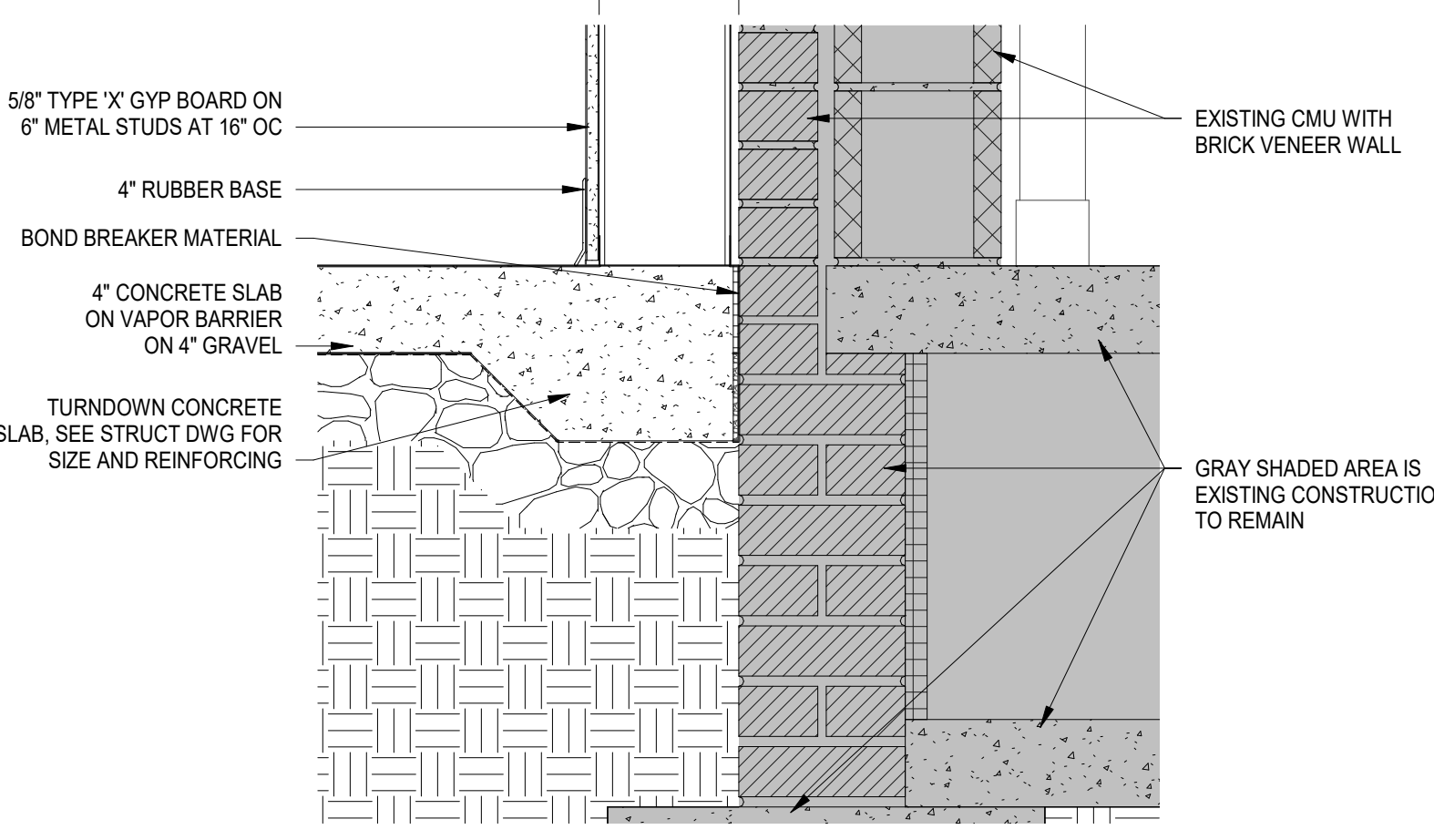
D3 SECTION DETAIL
AD332 1 1/2" = 1'-0"



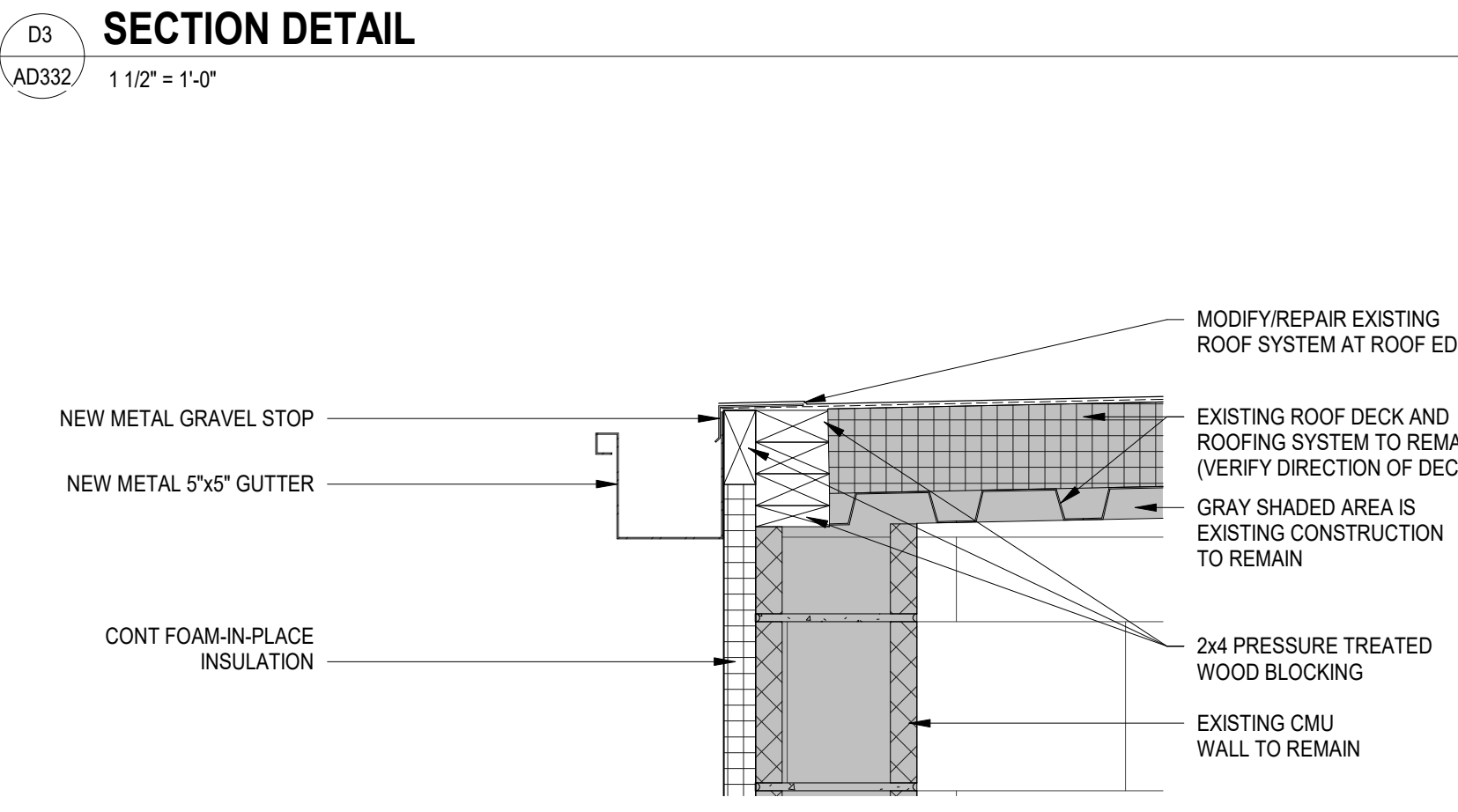
D4 SECTION DETAIL
AD332 1 1/2" = 1'-0"



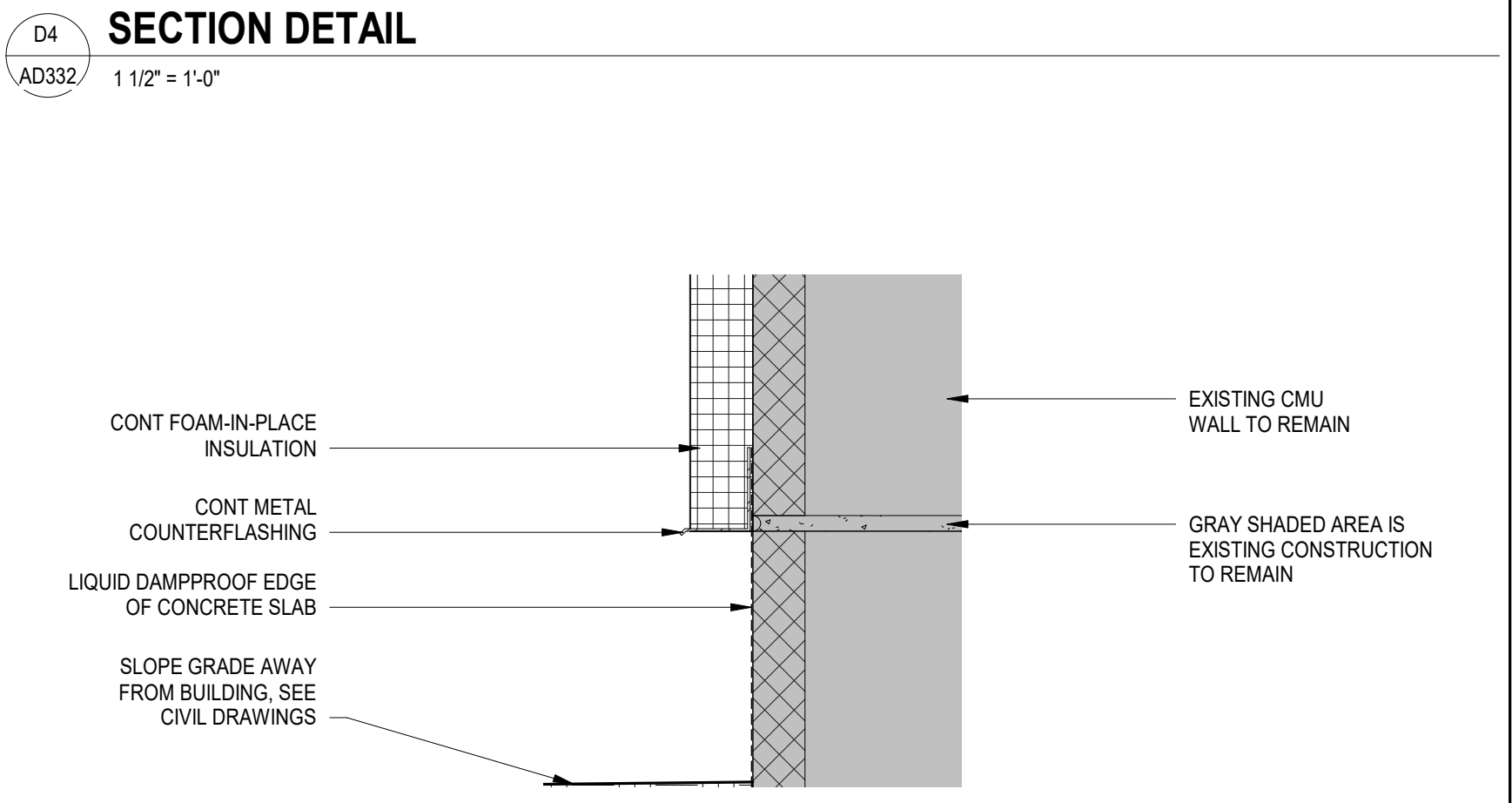
C1 SECTION DETAIL
AD332 1 1/2" = 1'-0"



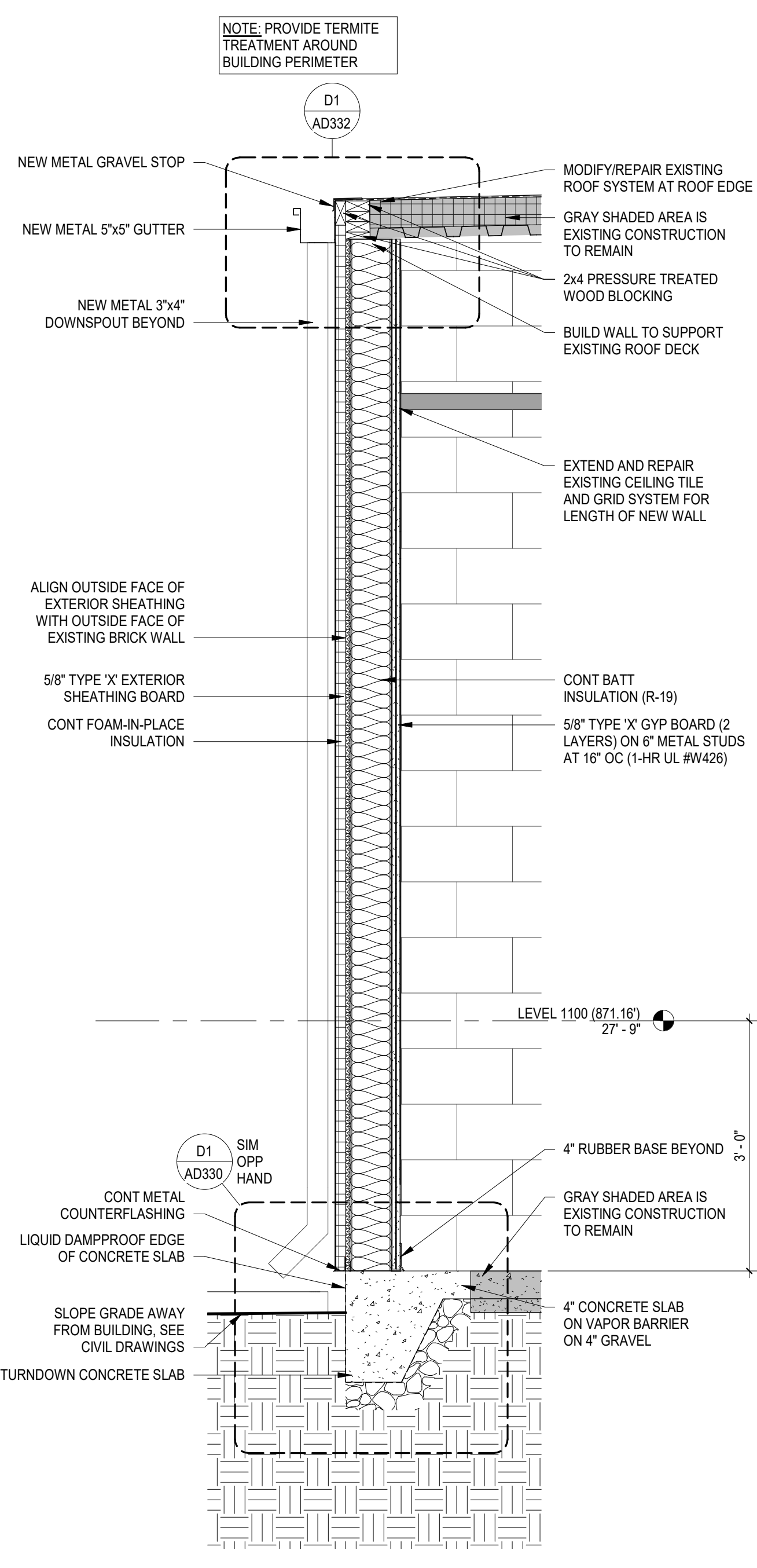
C2 SECTION DETAIL
AD332 1 1/2" = 1'-0"



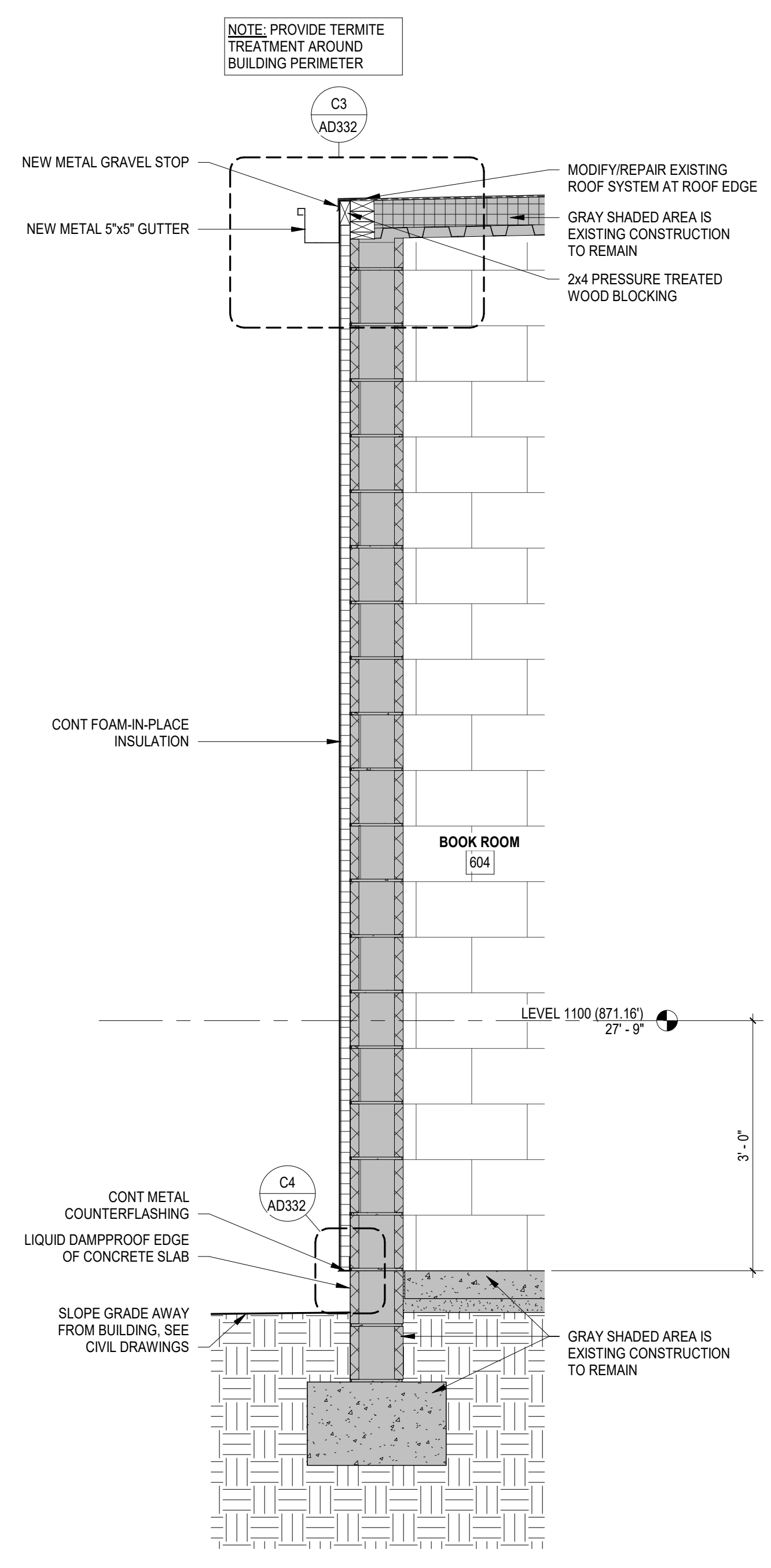
C3 SECTION DETAIL
AD332 1 1/2" = 1'-0"



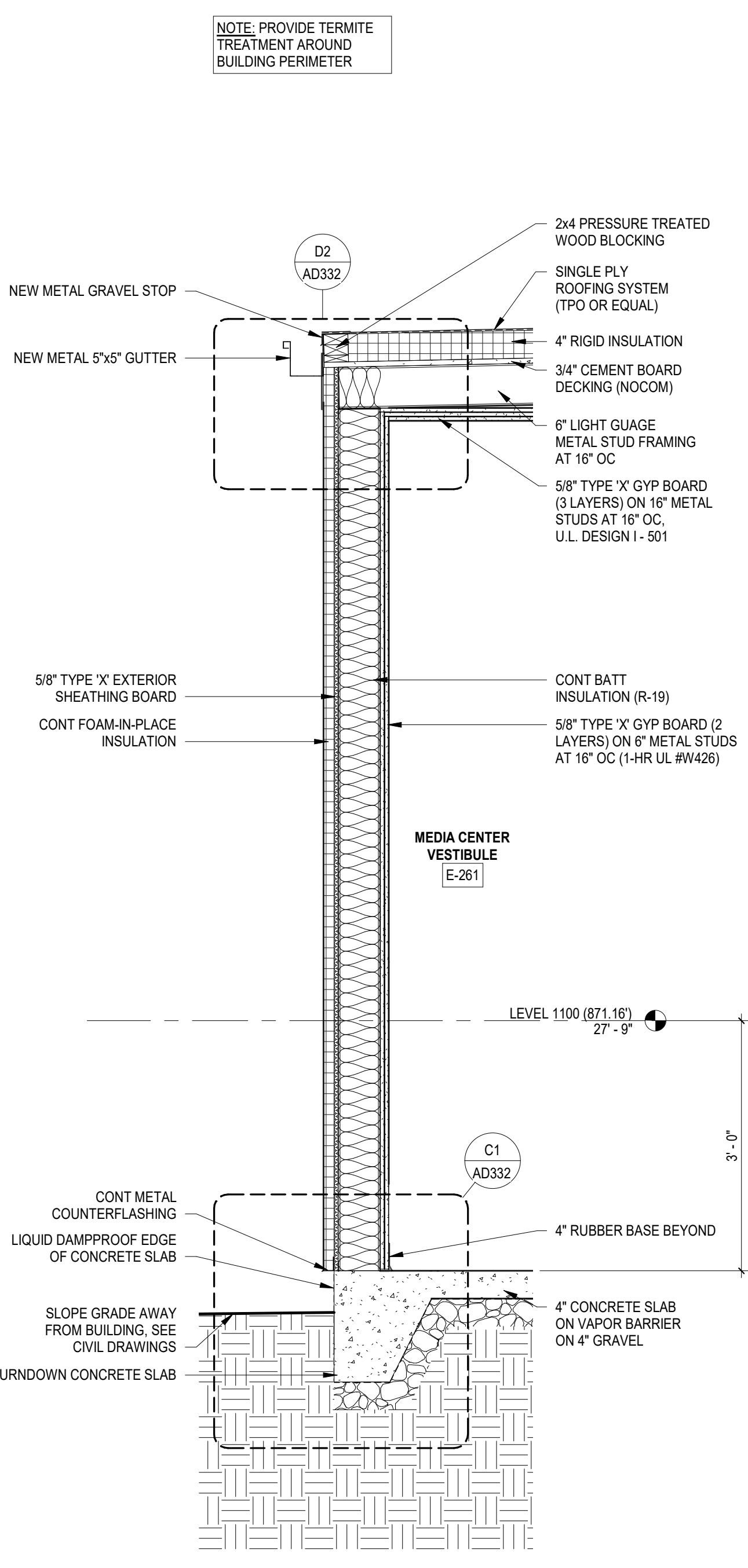
C4 SECTION DETAIL
AD332 3" = 1'-0"



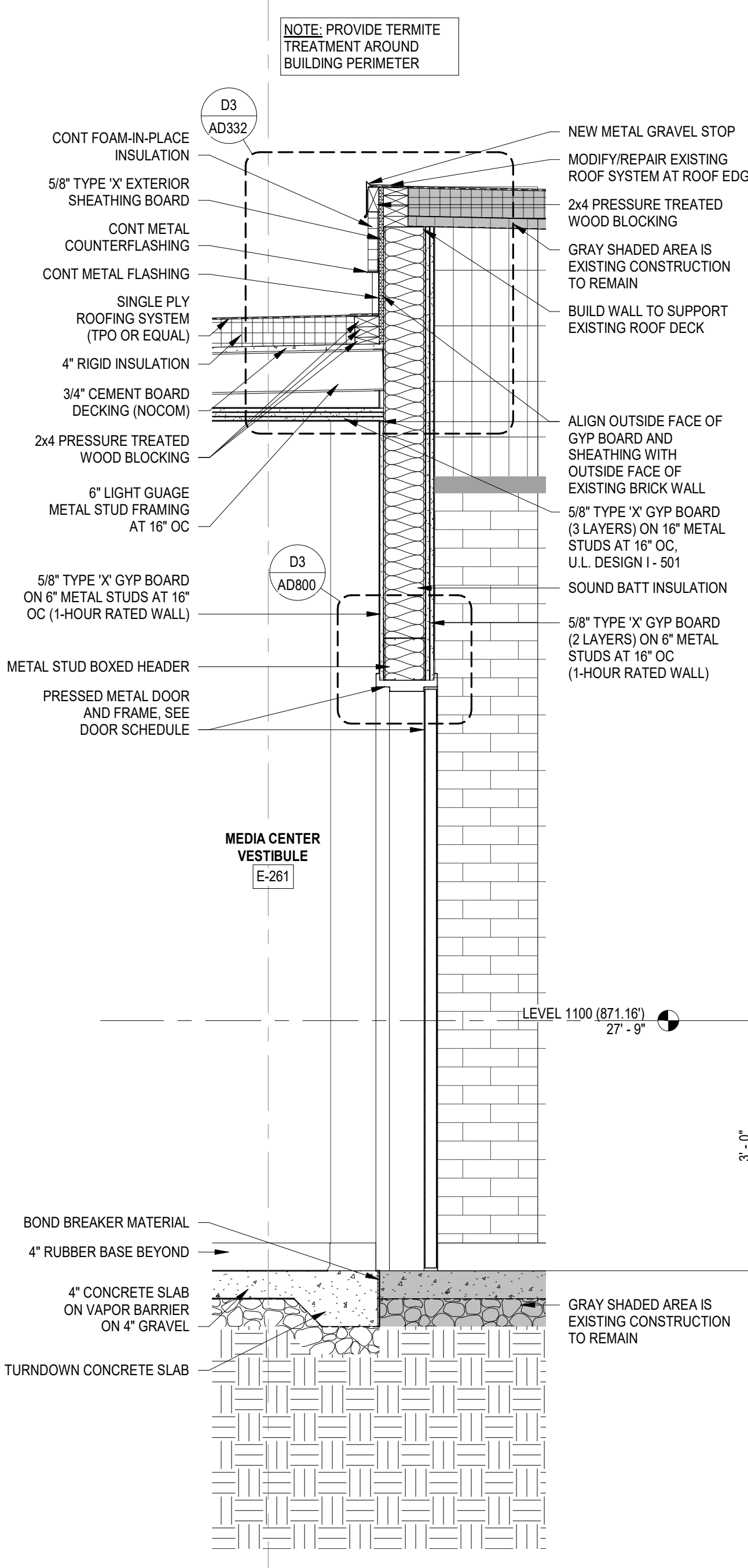
A1 WALL SECTION
AD332 3/4" = 1'-0"



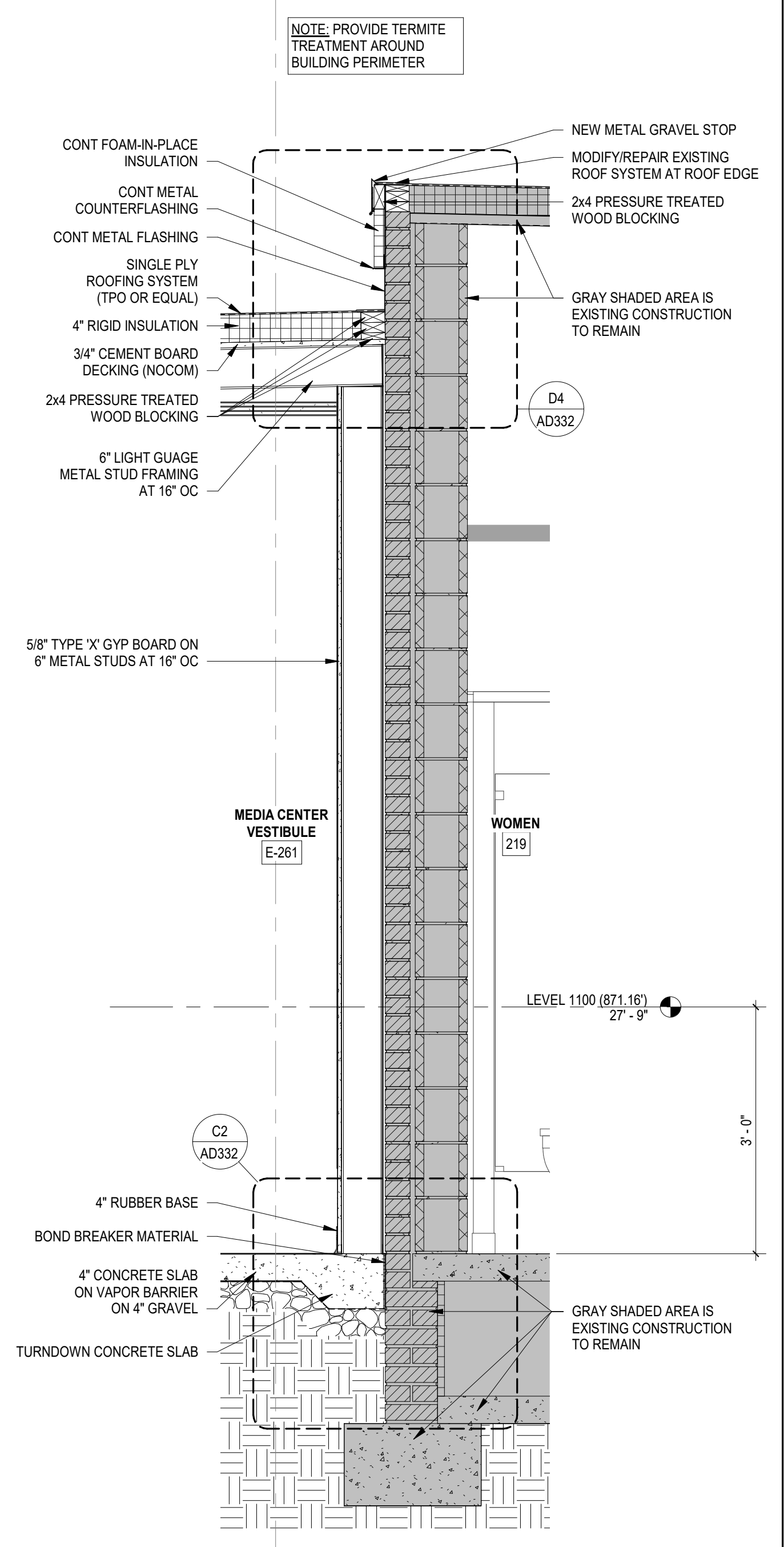
A2 WALL SECTION
AD332 3/4" = 1'-0"



A3 WALL SECTION
AD332 3/4" = 1'-0"



A4 WALL SECTION
AD332 3/4" = 1'-0"



A5 WALL SECTION
AD332 3/4" = 1'-0"

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SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
B	12/15/21	DD DEMO	M.L.C
C	01/31/22	GMP DEMO SET	M.L.C

PRINCIPAL IN CHARGE: M.L.C
PROJECT ARCHITECT: R.P.S
DRAWN BY: P.S

SHEET TITLE:
PHASE 2 DEMOLITION
- WALL SECTIONS

SHEET NO. PROJ. NO.
020420.00

AD332

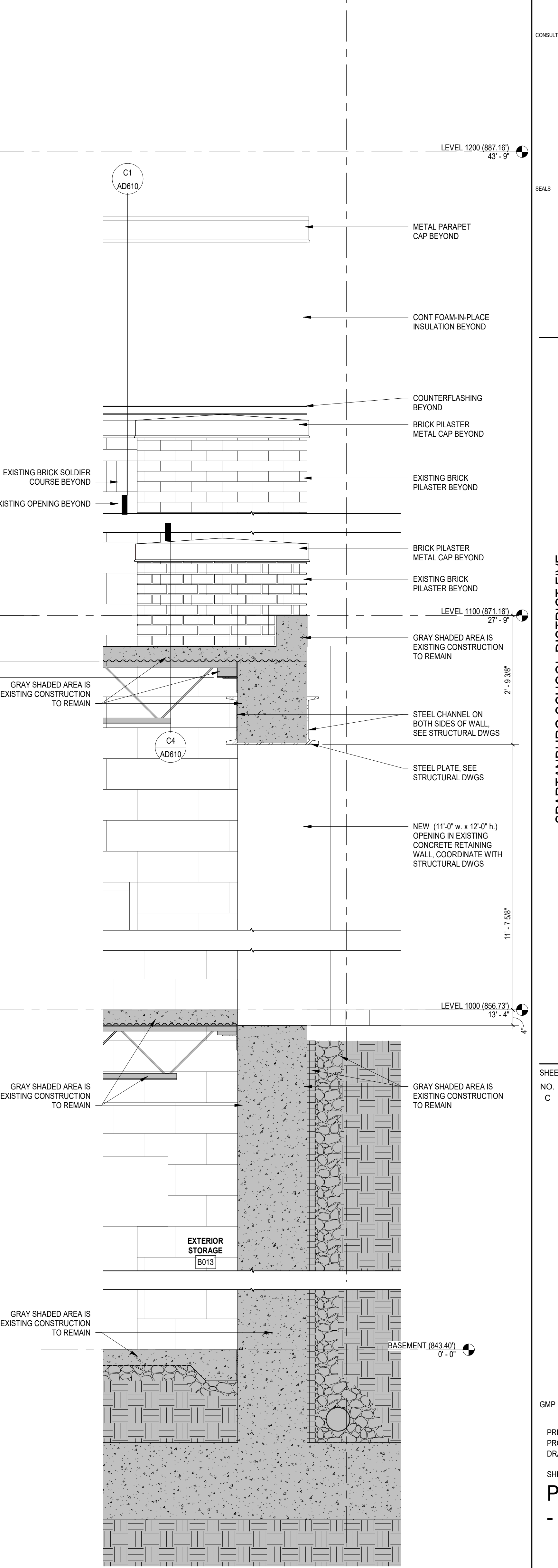
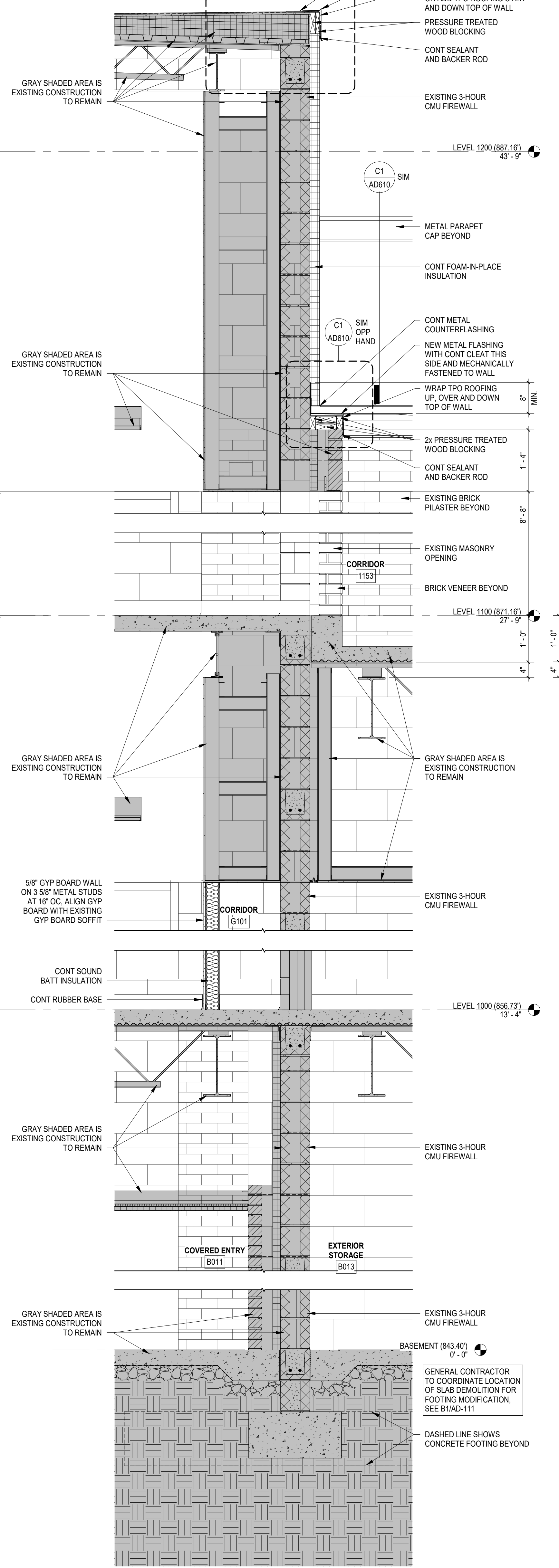
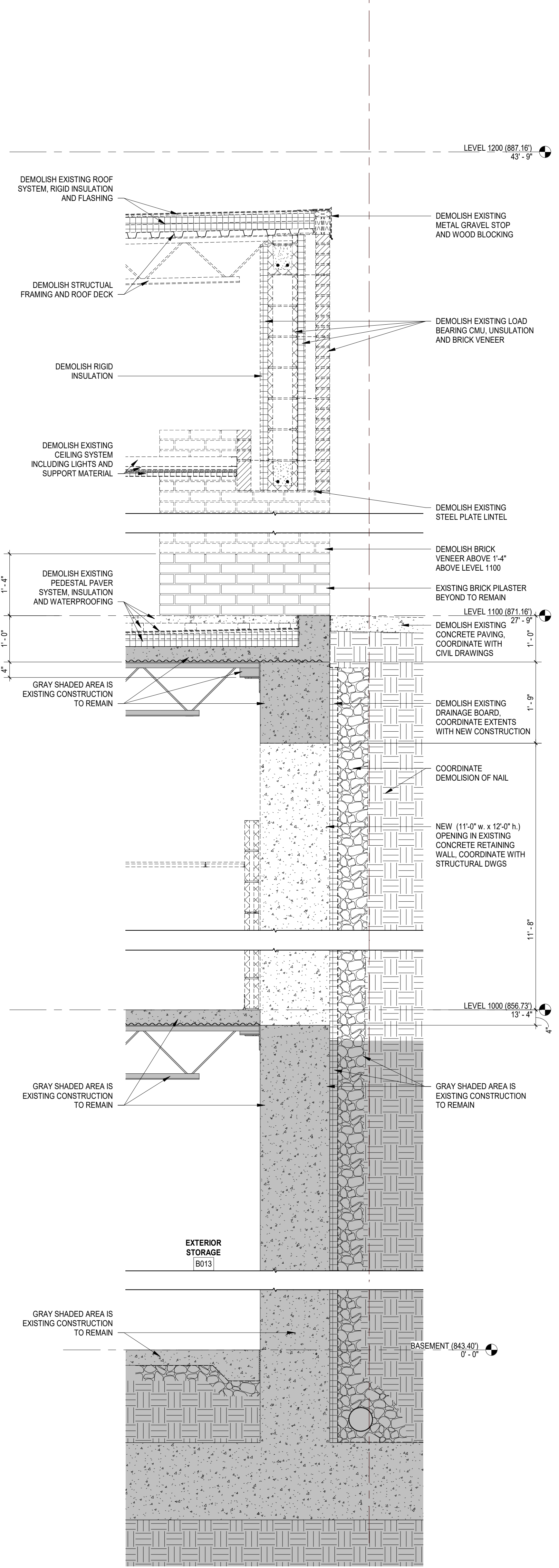
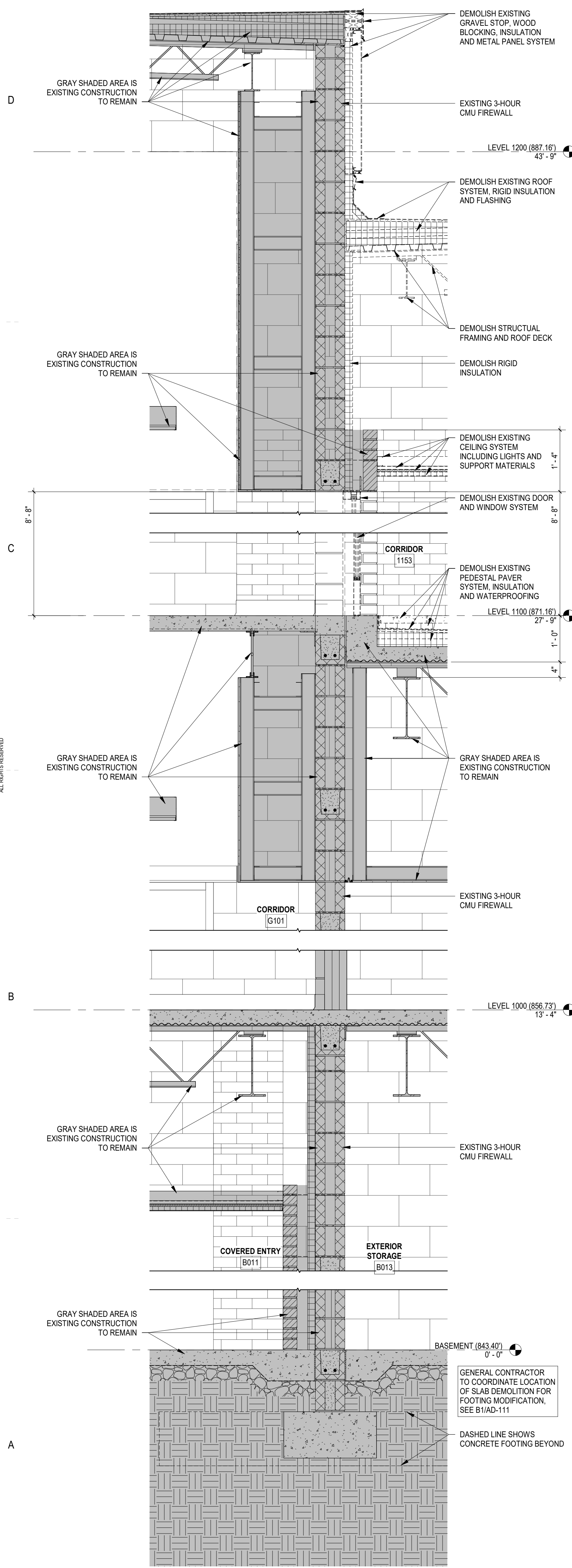
NOT FOR CONSTRUCTION
FOR PRICING ONLY

NOTE:
1. DASHED LINES INDICATE ELEMENTS TO BE DEMOLISHED
2. GRAY SHADED AREAS INDICATES CUT ELEMENTS TO REMAIN

NOTE:
1. DASHED LINES INDICATE ELEMENTS TO BE DEMOLISHED
2. GRAY SHADED AREAS INDICATES CUT ELEMENTS TO REMAIN

NOTE: PROVIDE TERMITE TREATMENT AROUND BUILDING PERIMETER

NOTE: PROVIDE TERMITE TREATMENT AROUND BUILDING PERIMETER



A1 WALL SECTION - DEMOLITION
3/4" = 1'-0"

A2 WALL SECTION - DEMOLITION
3/4" = 1'-0"

A3 WALL SECTION - NEW CONSTRUCTION
3/4" = 1'-0"

A4 WALL SECTION - NEW CONSTRUCTION
3/4" = 1'-0"

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	MLC

GMP DEMO SET 01/31/22
PRINCIPAL IN CHARGE: PROJECT ARCHITECT: APPROVER: CHECKER: AUTHORITY

SHEET TITLE:
PHASE 2 DEMOLITION - WALL SECTIONS

SHEET NO. PROJ. NO. 020420.00

AD333

NOT FOR CONSTRUCTION
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SPARTANBURG SCHOOL DISTRICT FIVE
JAMES F. BYRNES HIGH SCHOOL
PHASE 2 DEMOLITION

150 E. MAIN STREET
DUNCAN, SC 29534

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	MLC

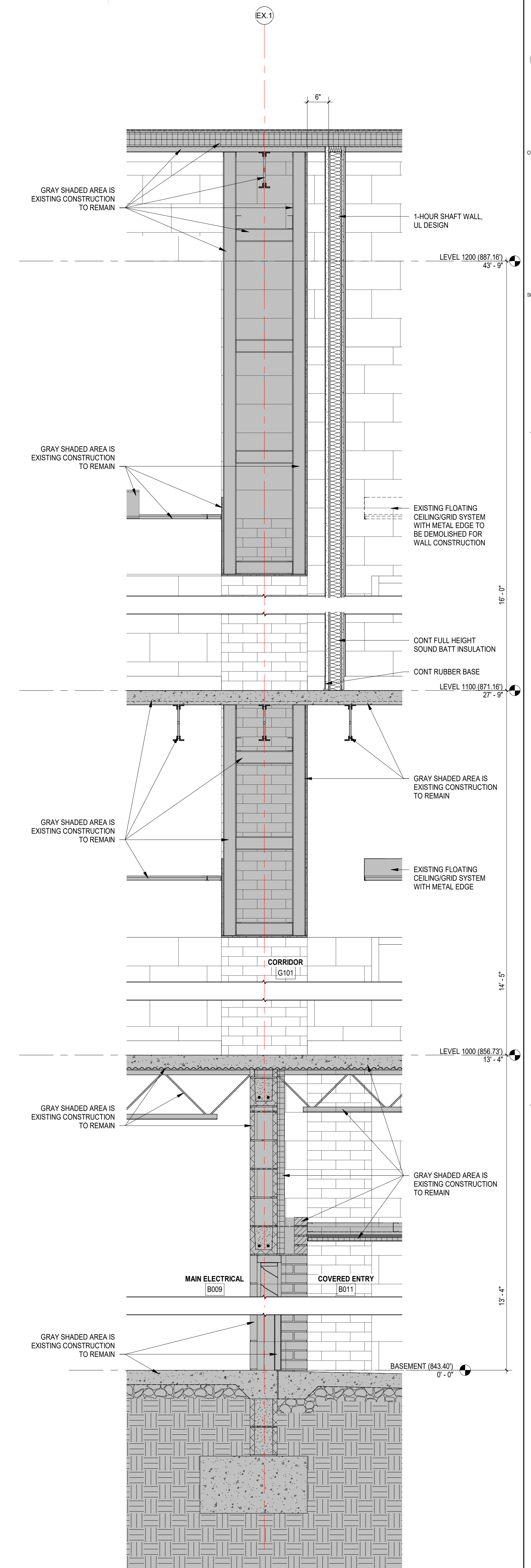
GMP DEMO SET 01/31/22

PRINCIPAL IN CHARGE: Approver
PROJECT ARCHITECT: Checker
DRAWN BY: Author

SHEET TITLE:
**PHASE 2 DEMOLITION
- WALL SECTIONS**

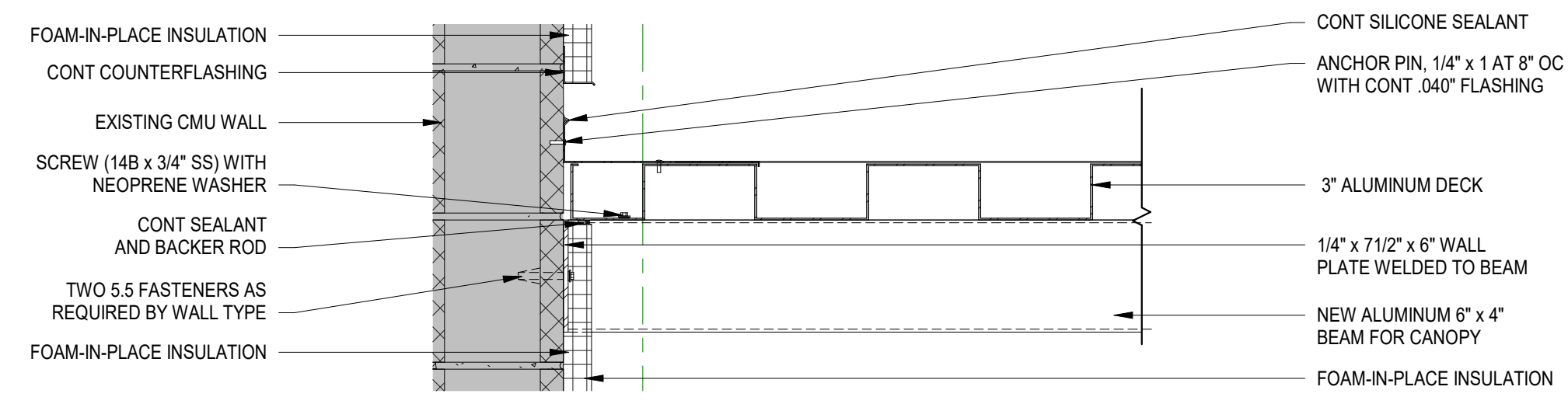
SHEET NO. PROJ. NO.
020420.00

NOT FOR CONSTRUCTION
FOR PRICING ONLY

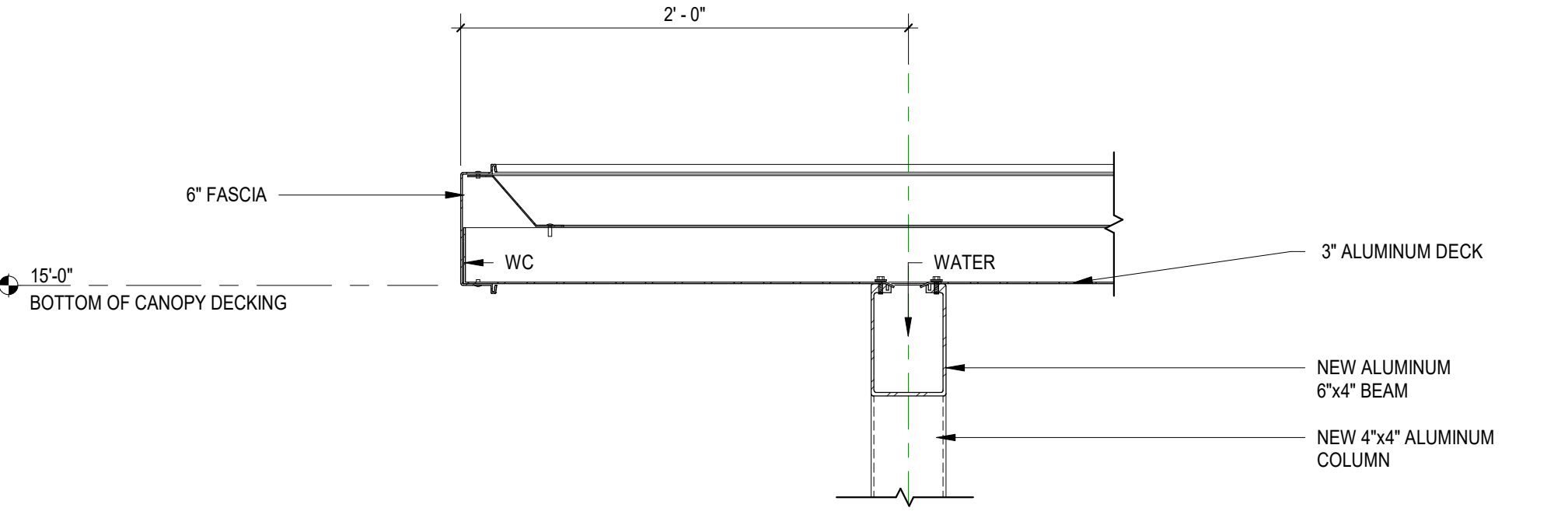


A4
AD334 WALL SECTION - NEW CONSTRUCTION
3/4" = 1'-0"

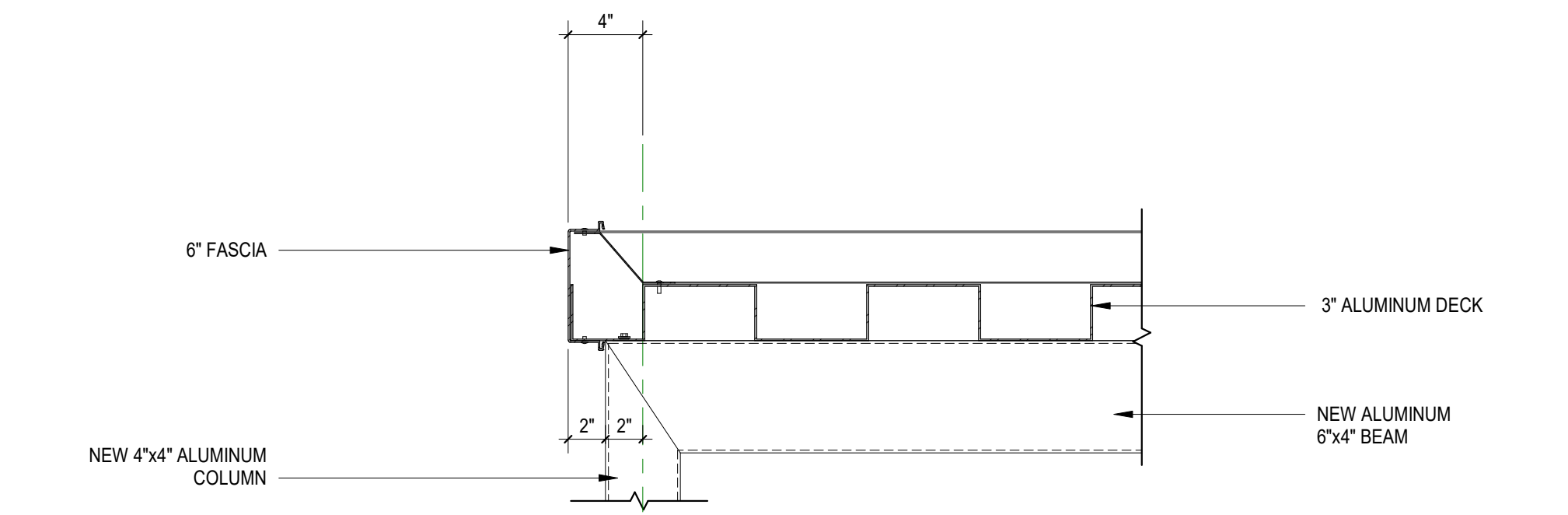
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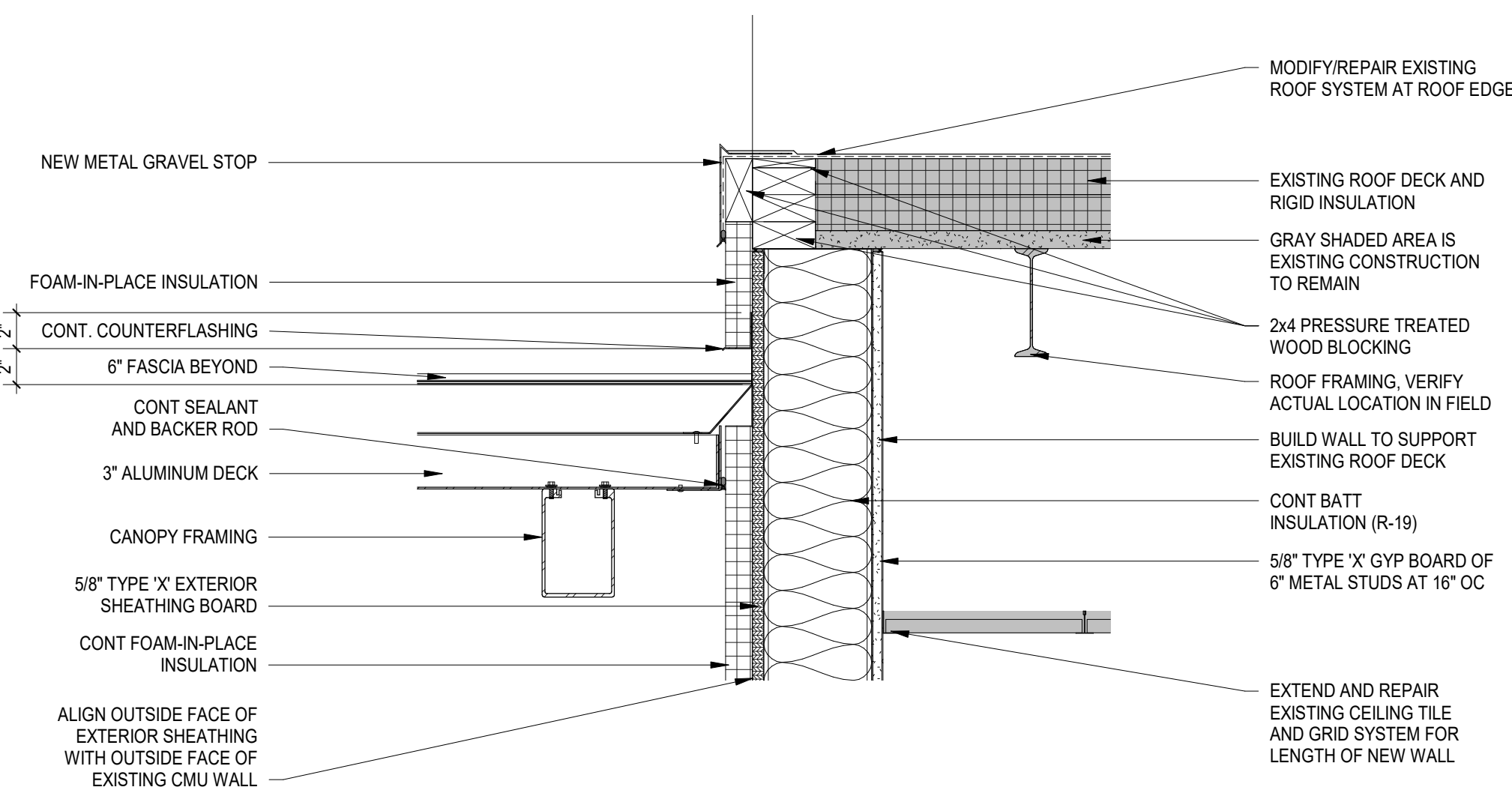
E1 SECTION DETAIL
1 1/2" = 1'-0"



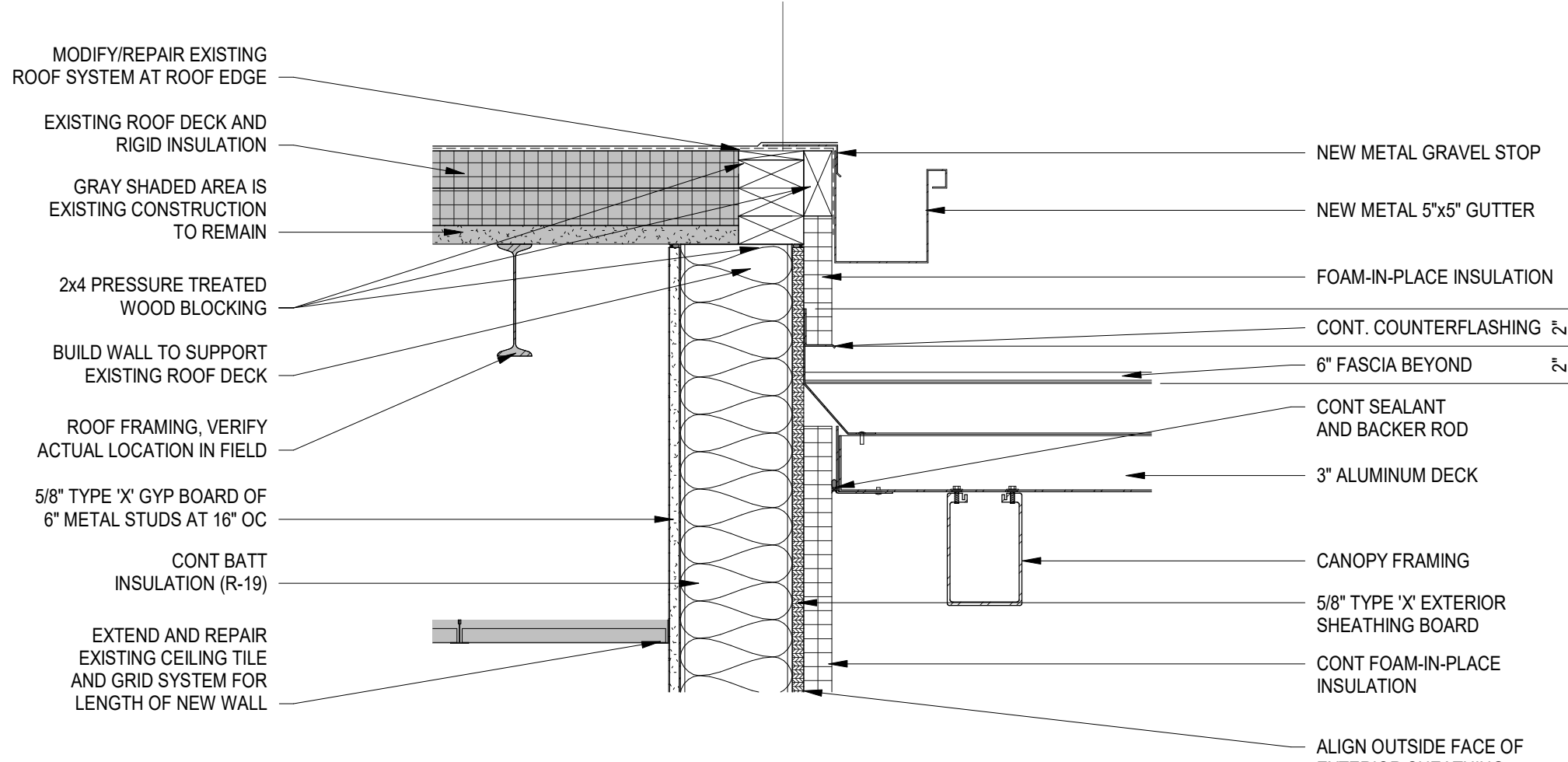
D1 CANOPY OVERHAND DETAIL
1 1/2" = 1'-0"



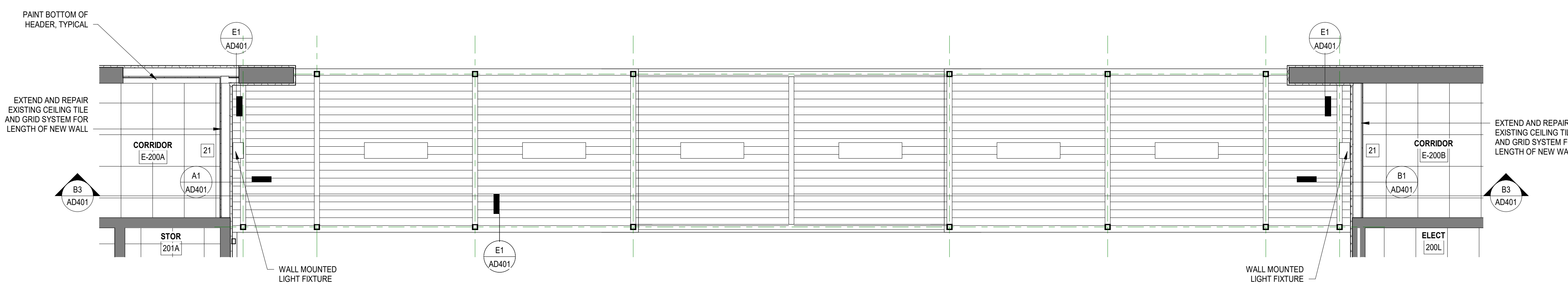
C1 SECTION DETAIL
1 1/2" = 1'-0"



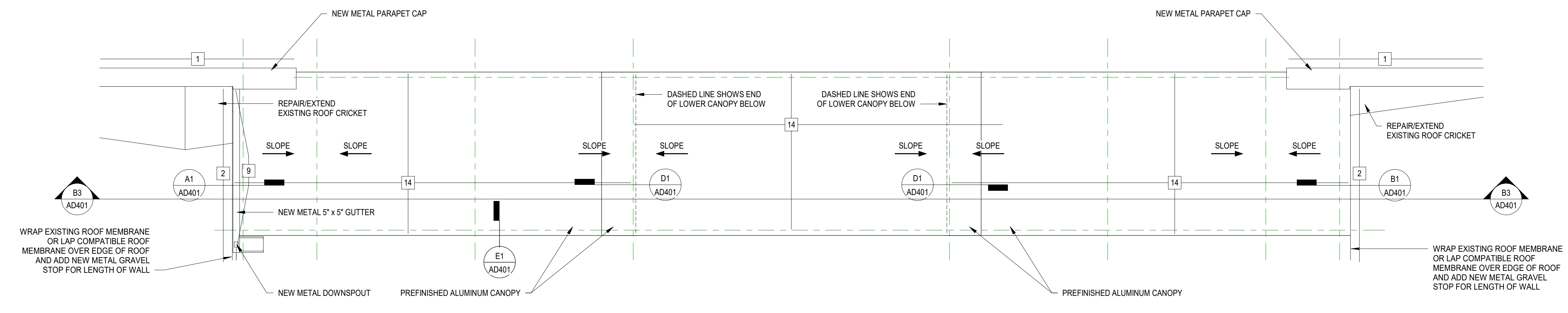
B1 SECTION DETAIL
1 1/2" = 1'-0"



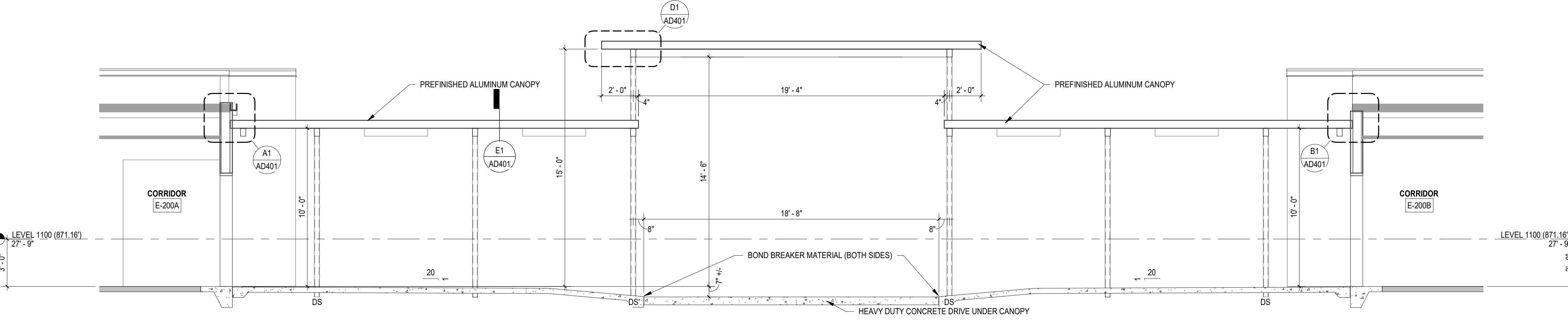
A1 SECTION DETAIL
1 1/2" = 1'-0"



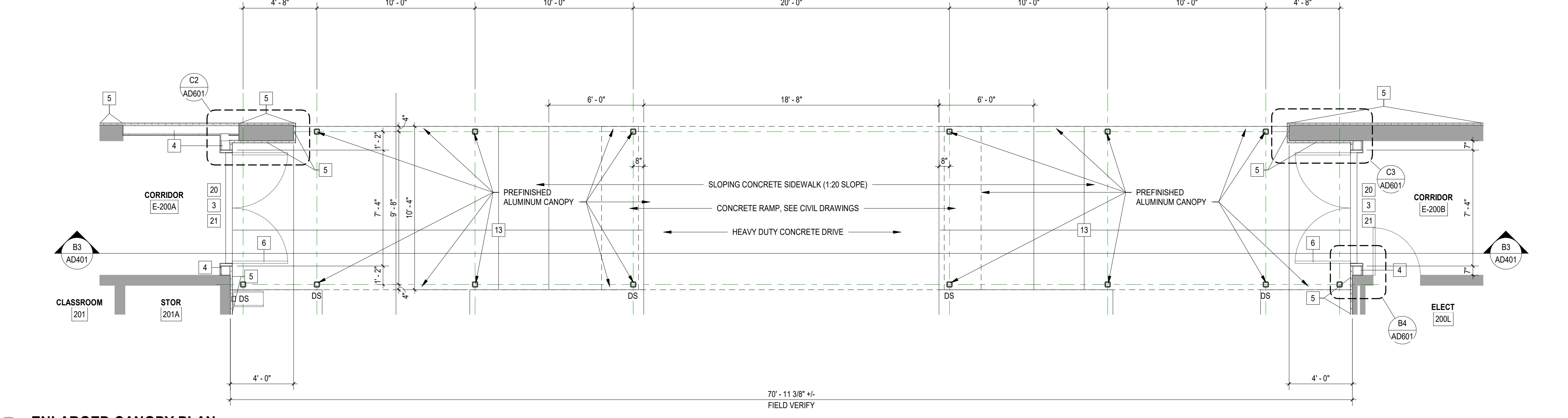
D3 ENLARGED CANOPY REFLECTED CEILING PLAN
1/4" = 1'-0"



C3 ENLARGED CANOPY ROOF PLAN
1/4" = 1'-0"



B3 CANOPY BUILDING SECTION
1/4" = 1'-0"



A3 ENLARGED CANOPY PLAN
1/4" = 1'-0"

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NO.	DATE	DESCRIPTION	BY
B	12/15/21	DD DEMO	MLC
C	01/31/22	GMP DEMO SET	MLC

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SHEET TITLE:
**PHASE 2 DEMOLITION
 - CANOPY PLANS,
 SECTION & DETAILS**

SHEET NO. PROJ. NO.
 AD401 020420.00

AD401

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
B	12/15/21	DD DEMO	MLC
C	01/31/22	GMP DEMO SET	MLC

GMP DEMO SET 01/31/22

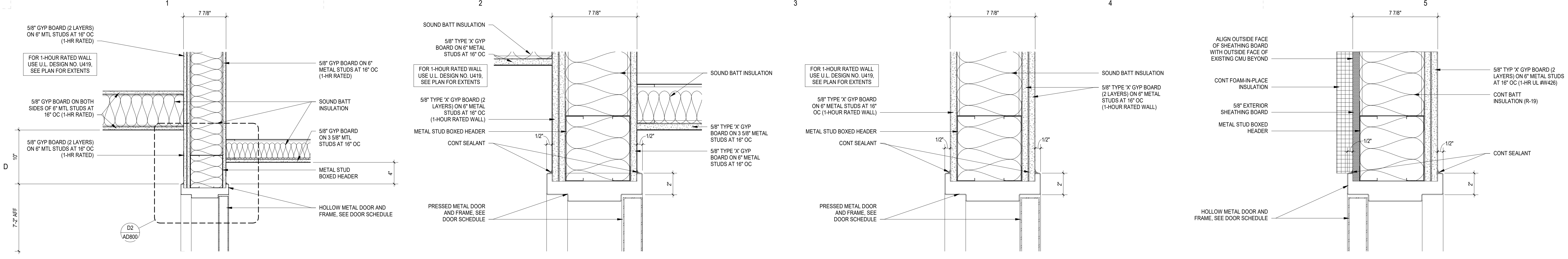
PRINCIPAL IN CHARGE: MLC
PROJECT ARCHITECT: RPC
DRAWN BY: PS

SHEET TITLE:
**PHASE 2 DEMOLITION
- DOOR SCHEDULE,
TYPES AND DETAILS**

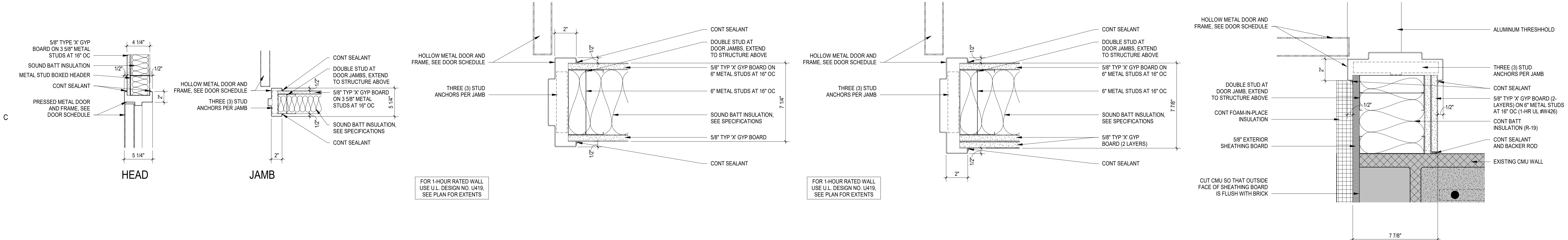
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AD800 020420.00

AD800

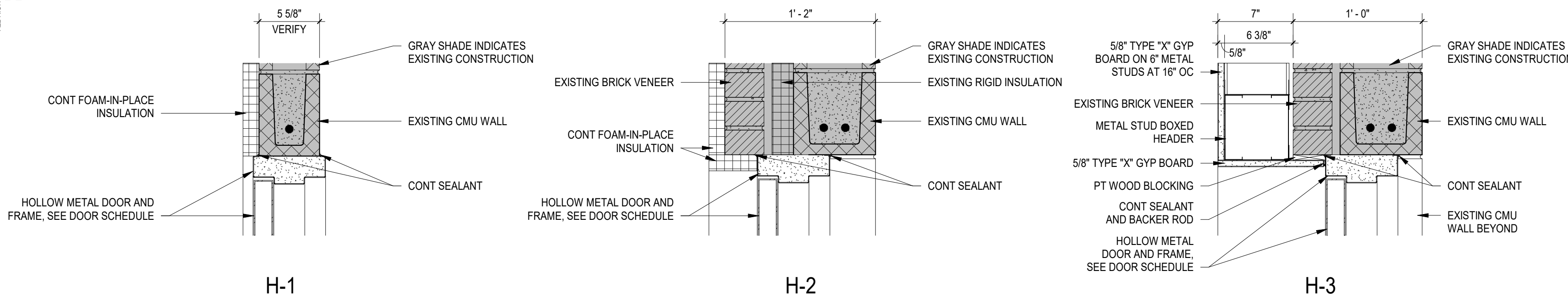
NOT FOR CONSTRUCTION
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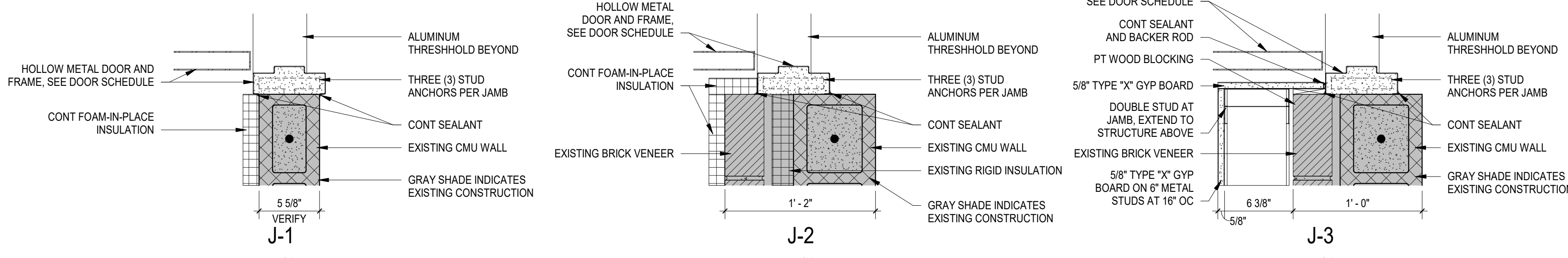
D1 DOOR HEAD DETAIL 1 1/2" = 1'-0"
D2 DOOR HEAD DETAIL 3" = 1'-0"
D3 DOOR HEAD DETAIL 3" = 1'-0"
D4 DOOR HEAD DETAIL 3" = 1'-0"



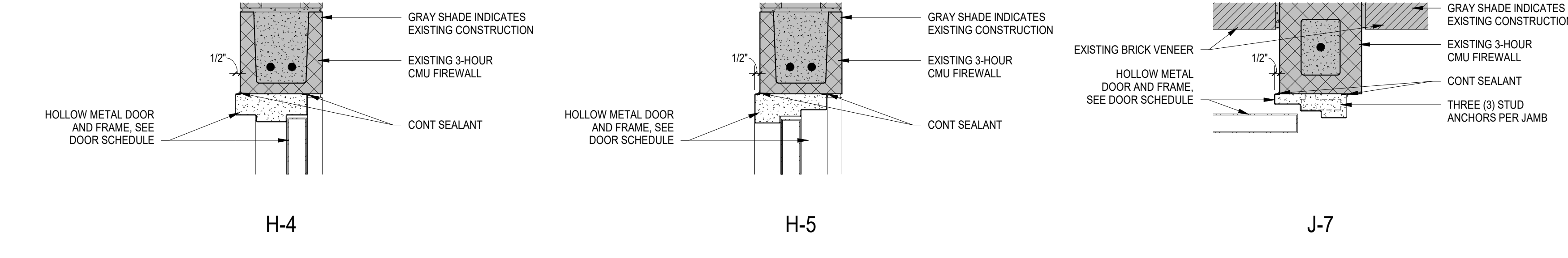
C1 DOOR HEAD AND JAMB DETAIL 1 1/2" = 1'-0"
C2 DOOR JAMB DETAIL 3" = 1'-0"
C3 DOOR JAMB DETAIL 3" = 1'-0"
C4 DOOR JAMB DETAIL 3" = 1'-0"



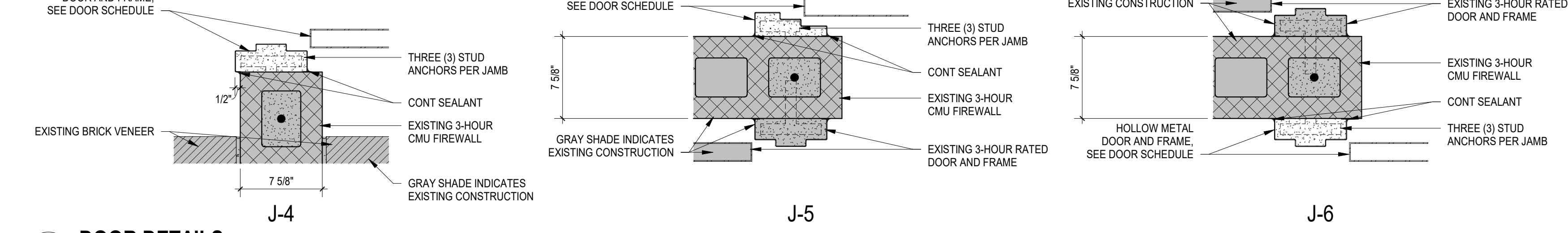
H-1 DOOR HEAD AND JAMB DETAIL 5/8\"/>



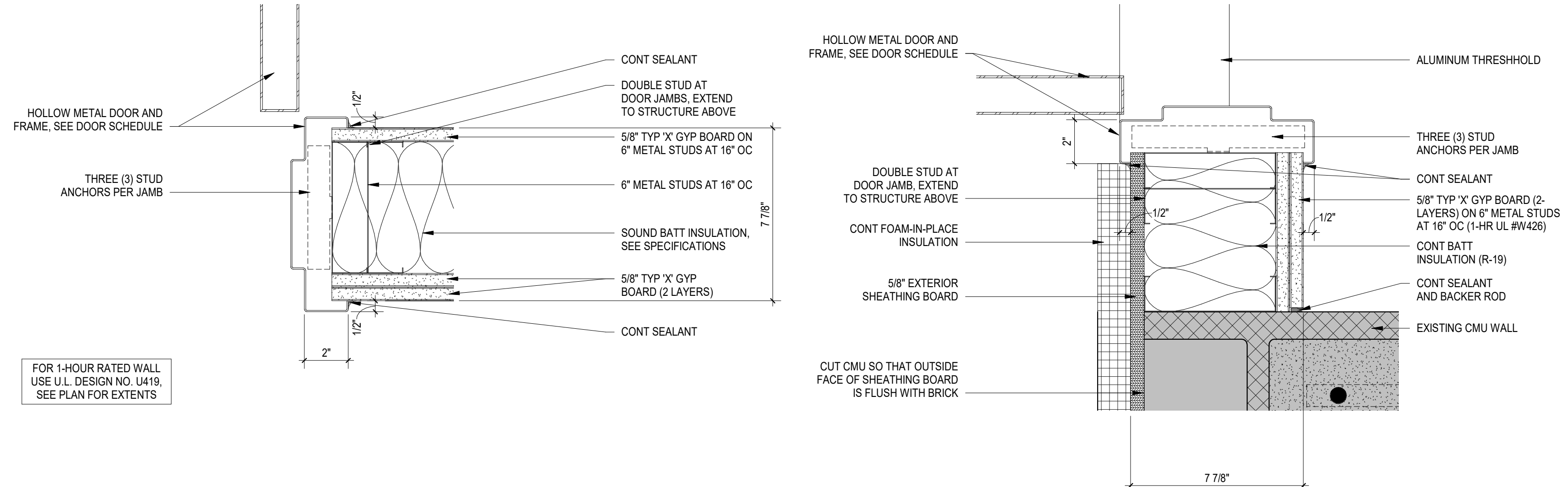
J-1 DOOR JAMB DETAIL 5/8\"/>



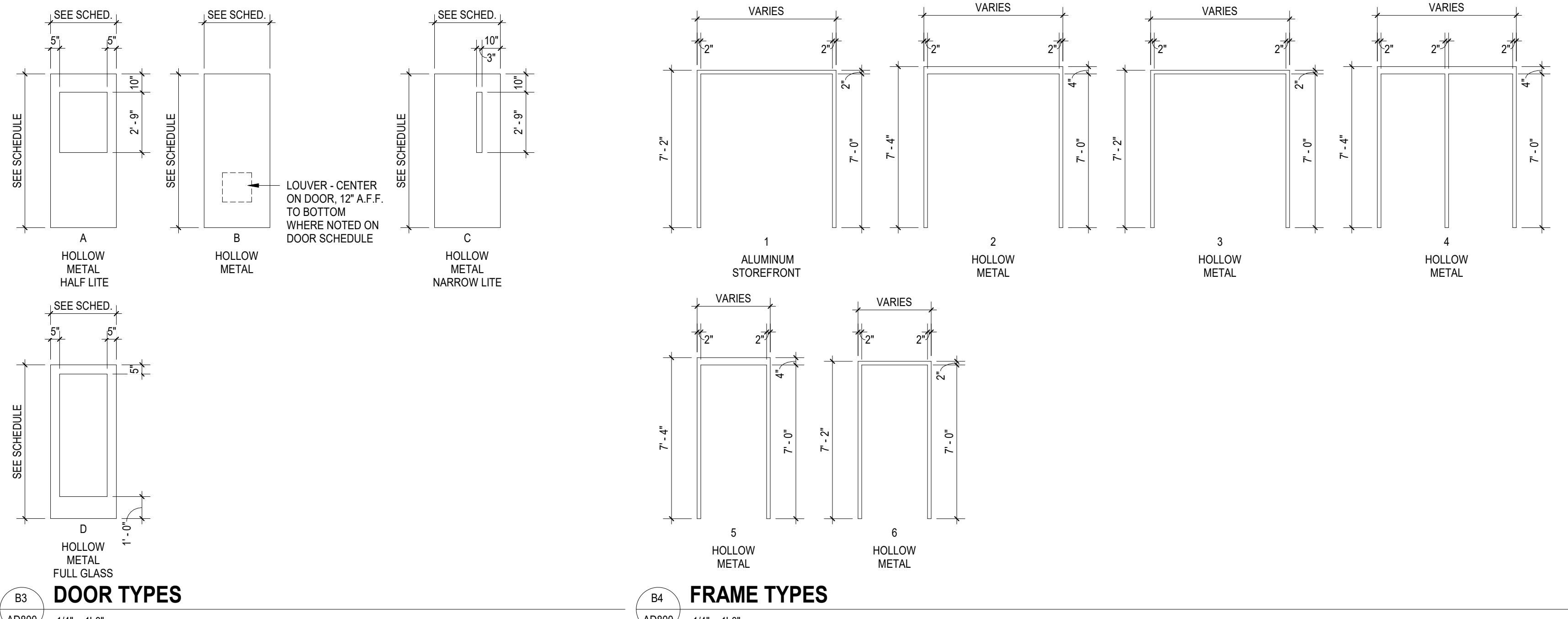
H-4 DOOR HEAD AND JAMB DETAIL 7/8\"/>



A1 DOOR DETAILS 1 1/2" = 1'-0"



B3 DOOR TYPES 1/4" = 1'-0"
B4 FRAME TYPES 1/4" = 1'-0"



PHASE 2 DEMOLITION - DOOR SCHEDULE

DOOR NO.	ROOM NO.	DOOR				FRAME		DETAILS		REMARKS		
		WIDTH	HEIGHT	THK	TYPE	RATING	MATERIAL	HARDWARE TYPE	TYPE		MATERIAL	HEAD
D001	E-200A	7'-0"	7'-0"	0'-1.34"	A		HM	3	HM	D4/AD-800 OPP HAND	C4/AD-800 OPP HAND	1, 6, 7, 9, 10
D002	E-200B	7'-0"	7'-0"	0'-1.34"	A		HM	3	HM	D4/AD-800	C4/AD-800	1, 6, 7, 9, 10
D003	203A	2'-0"	2'-0"	0'-1.34"	B		HM	5	HM	H-1	H-1	3, 6, 9
D004	E-281	6'-0"	7'-0"	0'-1.34"	C	45 MIN	HM	3	HM	D2/AD-800	C2/AD-800	1, 4, 6, 7, 9
D005	E-200E	6'-0"	7'-0"	0'-1.34"	C	45 MIN	HM	3	HM	D3/AD-800	C3/AD-800	1, 6, 7, 9
D006	217	6'-0"	7'-0"	0'-1.34"	B	45 MIN	HM	2	HM	H-3	J-3	1, 3, 6, 9
D007	E-500E	6'-0"	7'-0"	0'-1.34"	B	45 MIN	HM	2	HM	H-2	J-2	1, 3, 6, 7, 9
D008	1117	6'-0"	7'-0"	0'-1.34"	B	3-HR	HM	2	HM	H-4	J-4 & J-6	1, 3, 5, 7, 8, 9
D009	1117	3'-0"	7'-0"	0'-1.34"	B	3-HR	HM	4	HM	H-5	J-5 & J-7	2, 3, 5, 7, 9
D010	G101	3'-0"	7'-0"	0'-1.34"	B		HM	6	HM	C1/AD-800	C1/AD-800	

REMARKS KEYNOTES:
 1 PAIR OF DOORS
 2 DOUBLE EGRESS DOORS
 3 INSTALL IN AN EXISTING OPENING. VERIFY DIMENSIONS
 4 NOT LOCKABLE
 5 PROVIDE MAGNETIC HOLD OPEN DEVICES AT EACH DOOR
 6 PROVIDE ALUMINUM THRESHOLD
 7 PROVIDE PANIC HARDWARE
 8 REINSTALL SALVAGED DOOR
 9 90 DEGREE DOOR CLOSER
 10 FLOOR MOUNTED DOOR STOP AT EACH DOOR

GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND BRACING ALL WORK DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL OSHA REGULATIONS ON THE PROJECT SITE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS SHOWN AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.
- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR OR THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL TO THE WORK OF THE CONTRACTOR. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE FAILURE OF THE CONTRACTOR TO PERFORM THE CONSTRUCTION WORK IN ACCORDANCE WITH DRAWINGS. THE COST OF ANY TESTS OR WORK REQUIRED BECAUSE OF CONTRACTOR'S FAILURE TO PERFORM IN ACCORDANCE WITH THE DRAWINGS SHALL BE BORNE BY THE CONTRACTOR.
- CONTRACTOR SHALL REFER TO OTHER DISCIPLINE'S DRAWINGS AND VISIT SITE TO OBSERVE (E) CONSTRUCTION AND AS-BUILT CONDITIONS. SURVEY PROJECT SITE TO LOCATE UNDERGROUND ITEMS & UTILITIES. REMOVE/RELOCATE EXISTING ITEMS IF REQUIRED FOR NEW CONSTRUCTION. COORDINATE ANY DISRUPTION OF SERVICES WITH OWNER.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL AND SITE PLAN DRAWINGS TO COORDINATE ALL DIMENSIONS AND ELEVATIONS RELATED TO WORK SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL DIMENSIONS WITH THE FABRICATOR. NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE ALL ROOF, FLOOR, AND WALL OPENINGS WITH STRUCTURAL, ARCHITECTURAL, AND MECHANICAL DRAWINGS.
- ALL MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE, CURRENT EDITION.
- REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION, OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION, UNLESS SPECIFICALLY STATED OTHERWISE.

GENERAL NOTES CONTINUED:

- BOTH BAILEY AND SON ENGINEERING, INC. AND THE ENGINEER WHOSE PROFESSIONAL SEAL IS AFFIXED TO THESE CONTRACT DRAWINGS DISCLAIM ANY IMPLIED WARRANTIES OF ANY KIND WHATSOEVER INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND ANY IMPLIED WARRANTY OF FITNESS OF THESE DRAWINGS AND/OR SPECIFICATIONS.
- THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMISSION. DRAWINGS SHALL BEAR THE CONTRACTOR'S APPROVAL STAMP ACCEPTING RESPONSIBILITY FOR DIMENSIONS, QUANTITY, QUALITY, AND COORDINATION WITH ALL DISCIPLINES. ELECTRONIC TRANSFER OF CAD FILES TO AID THE CONTRACTOR OR FABRICATOR IS NOT RECOMMENDED BUT AUTOCAD DWG.
- REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION. IN CASE OF DISCREPANCIES, NOTIFY THE ENGINEER FOR INTERPRETATION.
- THE REHABILITATION OF AN EXISTING STRUCTURE REQUIRES ASSUMPTIONS TO BE MADE REGARDING EXISTING CONDITIONS. THESE ASSUMPTIONS MAY NOT BE VERIFIABLE WITHOUT ADDITIONAL COST OR WITHOUT DESTROYING OTHERWISE SERVICEABLE PORTIONS OF THE STRUCTURE. THE ENGINEER SHALL NOT BE LIABLE FOR ANY COST ARISING FROM THE DISCOVERY OF UNKNOWN CONDITIONS IN THE EXISTING STRUCTURE.
- THE DETAILER SHALL WORK WITH THE STRUCTURAL AND ARCHITECTURAL DOCUMENTS WHILE PREPARING SHOP DRAWINGS. THE DETAILER SHALL REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN. IF THE DETAILER ELECTS TO SCALE THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN, THE DETAILER SHALL SUBMIT SHOP DRAWINGS THAT REQUEST ARCHITECTURAL VERIFICATION OF SCALED DIMENSIONS WHEN SUBMITTED FOR APPROVAL.
- WALL, DOOR, WINDOW LOCATIONS; AND LIMITS OF SLAB ON GRADE EDGES, RECESSED, DEPRESSED AND SLOPED AREAS, AND LIMITS OF ROOF & FLOOR DECK (EDGES & OPENINGS) ARE PRIMARILY THE RESPONSIBILITY OF THE ARCHITECT. CONTRACTOR SHALL ESTABLISH OR DETERMINE SUCH INFORMATION BASED ON ARCHITECTURAL DOCUMENTS PRIOR TO ANY FABRICATION OR CONSTRUCTION OF CONCRETE OR STEEL.

DESIGN LOADS AND CRITERIA:
INTERNATIONAL BUILDING CODE, 2018 EDITION

FLOOR DEAD LOAD: 70 psf
FLOOR LIVE LOAD: 40 psf (CLASSROOMS)
50 psf (OFFICES)
80 psf (CORRIDORS ON 2ND AND 3RD FLOOR,
100 psf (AT STAIRS)
100 psf (MEDIA CENTER)

ROOF DEAD LOAD: 20 psf
ROOF LIVE LOAD: 20 psf W/LIVE LOAD REDUCTION AS ALLOWABLE BY CODE

SNOW LOADS:
GROUND SNOW LOAD, $P_g = 10$ psf
FLAT ROOF SNOW LOAD, $P_f = 7.7$ psf
EXPOSURE FACTOR, $C_e = 1.0$
IMPORTANCE FACTOR, $I_s = 1.1$
THERMAL FACTOR, $C_t = 1.0$

WIND LOAD:
ULTIMATE WIND SPEED (3-SEC. GUST) = 115 MPH
NOMINAL WIND SPEED (3-SEC. GUST) = 89.1 MPH
RISK CATEGORY: III
WIND EXPOSURE: C
COMPONENTS AND CLADDING: PER ASCE 7-10, CHAPTER 30, SECT. 30.7
WITH APPLICABLE ADJUSTMENT FACTORS
INTERNAL PRESSURE COEFFICIENT: $GCP1 = \pm 0.18$ <ASCE 7-10, TABLE 26.11-1>

SEISMIC DESIGN DATA:
RISK CATEGORY: I
IMPORTANCE FACTOR, $I_e = 1.25$
SOIL SITE CLASS: C
MAPPED SPECTRAL RESPONSE ACCELERATIONS: $S_s = 0.27g$, $S_1 = 0.092g$
SPECTRAL RESPONSE COEFFICIENTS: $S_{ds} = 0.237g$, $S_{d1} = 0.138g$
SEISMIC DESIGN CATEGORY: B

BASIC SEISMIC-FORCE-RESISTING SYSTEM(S):
STRUCTURAL STEEL NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
SEISMIC RESPONSE COEFFICIENT(S):
 $C_s = 0.101$
RESPONSE MODIFICATION FACTORS:
R (NORTH/SOUTH) = 3
R (EAST/WEST) = 3
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

POST-INSTALLED REBAR, ANCHORS AND FASTENERS

THE BELOW PRODUCTS ARE THE DESIGN BASIS FOR THIS PROJECT. PRODUCT DIAMETER AND EMBEDMENT SHALL BE AS SHOWN. INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MIMI). PRIOR TO INSTALLATION, CONTRACTOR SHALL CONTACT MANUFACTURER'S REPRESENTATIVE FOR PRODUCT-SPECIFIC INSTALLATION TRAINING AND A LETTER SHALL BE SUBMITTED TO THE ENGINEER INDICATING TRAINING HAS TAKEN PLACE. UNLESS NOTED OTHERWISE ON THE CONTRACT DOCUMENTS, REFER TO THE PROJECT BUILDING CODE AND/OR EVALUATION REPORT FOR REQUIRED SPECIAL INSPECTIONS AND PROOF LOAD REQUIREMENTS. SUBSTITUTION OF PRODUCTS OTHER THAN THOSE LISTED BELOW MAY BE SUBMITTED BY THE CONTRACTOR TO THE EOR FOR REVIEW. SUBSTITUTIONS WILL ONLY BE CONSIDERED FOR PRODUCTS HAVING A RESEARCH REPORT RECOGNIZING THE PRODUCT FOR THE APPROPRIATE APPLICATION UNDER THE PROJECT BUILDING CODE. CALCULATIONS THAT DEMONSTRATE THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE EQUIVALENT PERFORMANCE VALUES OF THE DESIGN BASIS PRODUCT.

- FOR ANCHORS INTO CONCRETE:
 - MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 308.2 AND ICC-ES AC108 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. PRE-APPROVED PRODUCTS INCLUDE:
 - SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-2713)
 - SIMPSON STRONG-TIE "TITEN-HD ROD HANGER" (ICC-ES ESR-2713)
 - ADHESIVE FOR REBAR AND ANCHORS SHALL BE TESTED IN ACCORDANCE WITH ACI 308.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN BOND STRENGTH HAS BEEN BASED ON CRACKED CONCRETE, ACI 308.4 TEMPERATURE CATEGORY B, AND INSTALLATIONS INTO DRY HOLES DRILLED USING A HAMMER DRILL INTO CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER WHEN REQUIRED PER ACI 318-11 D.9.2.2. INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-11 D.9.2.4. PRE-APPROVED PRODUCTS INCLUDE:
 - SIMPSON STRONG-TIE "AT-XP" (APMO-UES ER-263)
 - SIMPSON STRONG-TIE "SET-XP" (ICC-ES ESR-2568) (G.C. OPTION @ 50' F OR WARMER)
 - SIMPSON STRONG-TIE "ET-HP" (ICC-ES ESR-3372) (G.C. OPTION @ 50' F OR WARMER)
- POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:
 - SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811)
 - SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138)
- FOR ANCHORING INTO MASONRY:
 - SOLID-CURED CONCRETE MASONRY
 - MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC108 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. PRE-APPROVED PRODUCTS INCLUDE:
 - SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-1056)
 - ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC308. PRE-APPROVED PRODUCTS INCLUDE:
 - SIMPSON STRONG-TIE "AT-XP" (APMO-UES ER-263)
 - SIMPSON STRONG-TIE "SET-XP" (APMO-UES ER-265) (G.C. OPTION @ 50' F OR WARMER)
 - SIMPSON STRONG-TIE "ET-HP" (APMO-UES ER-241) (G.C. OPTION @ 50' F OR WARMER)
 - POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:
 - SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811)
 - SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138)
 - HOLLOW CONCRETE MASONRY
 - MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC108. PRE-APPROVED PRODUCTS INCLUDE:
 - SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-1056)
 - ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED FOR USE IN ACCORDANCE WITH ICC-ES AC308. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER. PRE-APPROVED PRODUCTS INCLUDE:
 - SIMPSON STRONG-TIE "SET-XP" (APMO-UES ER-265) (TEMP. ABOVE 50' F)
 - SPOWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:
 - SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811)
 - SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138)
 - FOR FASTENING INTO STEEL: POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:
 - SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811)
 - SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138)

TYPICAL ABBREVIATIONS:

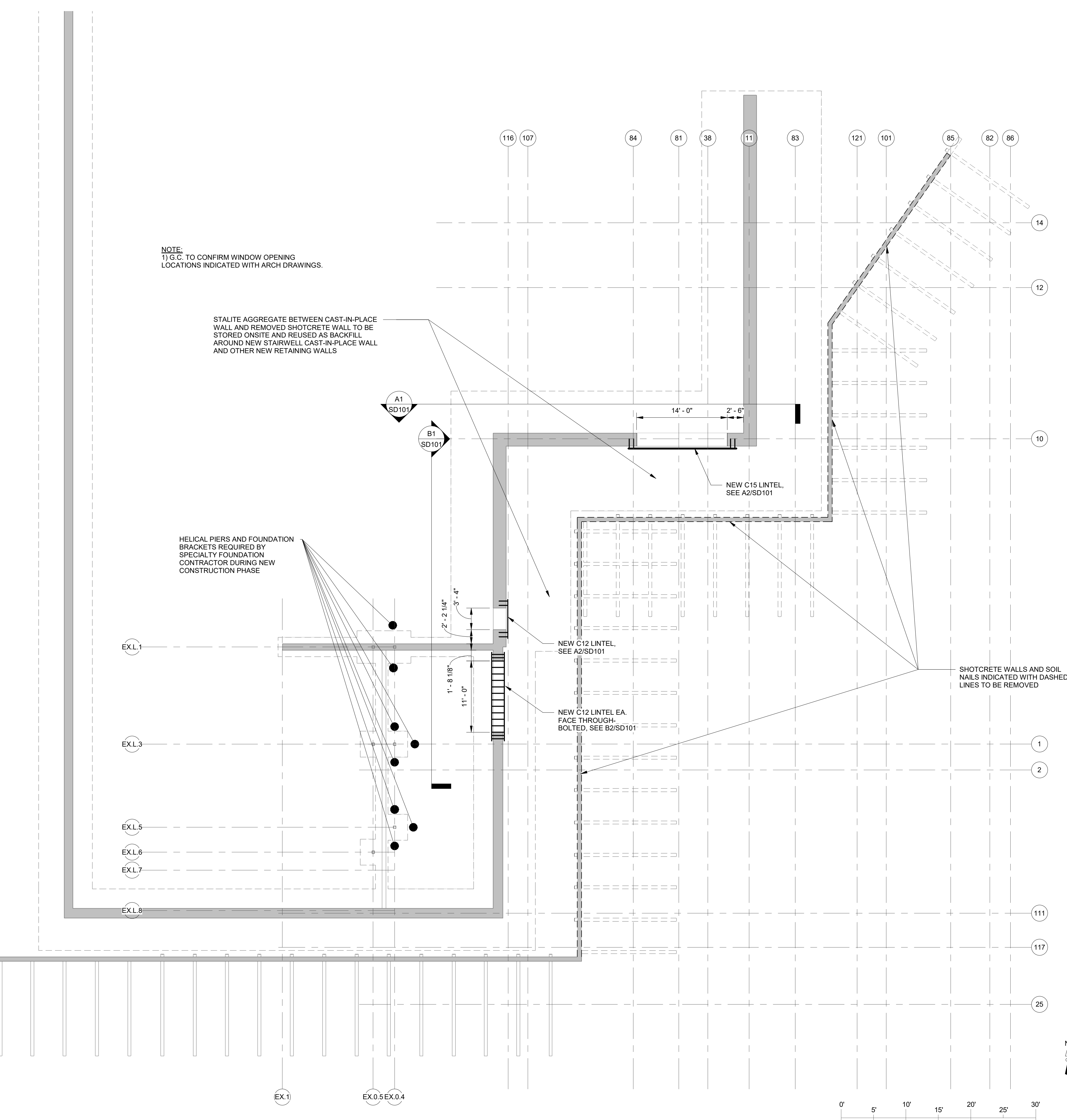
A.R. ANCHOR ROD
A.C.I. AMERICAN CONCRETE INSTITUTE
A.I.C.S. AMERICAN INSTITUTE OF STEEL CONSTRUCTION
A.I.S.I. AMERICAN IRON AND STEEL INSTITUTE
A.P.A. AMERICAN PLYWOOD ASSOCIATION
ARCH. ARCHITECTURAL
A.F.A. AMERICAN FOREST AND PAPER ASSOCIATION
A.S.C.E. AMERICAN SOCIETY OF CIVIL ENGINEERS
A.S.T.M. AMERICAN SOCIETY FOR TESTING AND MATERIALS
B&S.E. BAILEY & SON ENGINEERING, INC.
B.C. BOTTOM CHORD
B.L. BOTTOM OF
B.L.K. BLOCKOUT
B.O.D. BOTTOM OF DECK
B.R.G. BEARING
B.C.J. CONTROL JOINT
C.L. CENTER LINE
C.L.R. CLEAR
C.M. CONCRETE MASONRY UNIT
C.O.N.T. CONTINUOUS
D.B.E. DECK BEARING ELEVATION
D.O.U.B.L.E. DOUBLE
D.I.A. DIAMETER
D.L. DEAD LOAD
E.B.R.T.I.N. EXISTING
E.W. EACH WAY
E.O.S. EDGE OF SLAB
E.N. EDGE NAIL
F.I.N. FINISHED OR FINAL
F.I.N.F.L.R. FINISHED FLOOR
F.L.R. FLOOR
F.C. SPECIFIED CONCRETE STRENGTH @ 28 DAYS
F.O.B. FACE OF BRICK
F.O.M. FACE OF MASONRY
F.S. FAR SIDE
F.T. FOOT OR FEET
G.A.L.V. GALVANIZED
G.L.B. GULL-LAMINATED BEAM
H.D. HOLD DOWN
H.D.R. HEADER
H.O.R.I.Z. HORIZONTAL
H.S.R. HOLLOW STRUCTURAL SECTION
I.B.C. INTERNATIONAL BUILDING CODE
I.N. INCH OR INCHES
I.R.C. INTERNATIONAL RESIDENTIAL CODE
I.C.B.O. INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
I.C.C. INTERNATIONAL CODE COUNCIL
I.B.E. JOIST BEARING ELEVATION
K. KIP
L.B. POUND
L.L. LIVE LOAD
L.L.H. LONG LEG HORIZONTAL
L.L.V. LONG LEG VERTICAL
L.S.L. LAMINATED STRAND LUMBER
L.V.L. LAMINATED VENEER LUMBER
L.B.W. LOAD BEARING WALL
J.T. JOINT
J.S.T. JOIST
J.H. JOIST HANGER
M.F.R. MANUFACTURER
M.A.X. MAXIMUM
M.I.N. MINIMUM
M.L. MATCHLINE
(N) NEW
N.T.S. NOT TO SCALE
O.C. ON CENTER
O.E. OUTSIDE EDGE
O.H. OPPOSITE HAND
O.S.B. ORIENTED STRAND BOARD
O.W.T. OPEN WEB TRUSS
P.A.F. POWDER ACTUATED FASTENER
P.F.F. POWDER DRIVEN FASTENER
P.E.N. PANEL EDGE NAIL
P.E.M.B. PRE-ENGINEERED METAL BUILDING
P.F. PARTIAL FRAME
P.L. PLATE
P.L.S. PLACES
P.L.F. POUNDS PER LINEAR FOOT
P.S.F. POUNDS PER SQUARE FOOT
P.P.S. POUNDS PER SQUARE INCH
P.S.L. PARALLEL STRAND LUMBER
P.T. PRESSURE TREATED
P.R. PRESSURE
S.H.T.G. SHEATHING
S.J.I. STEEL JOIST INSTITUTE
S.D.I. STEEL DECK INSTITUTE
S.O.G. SLAB ON GRADE
S.Q. SQUARE
S.T. STEEL
T. TON (2000 LBS.)
T.&B. TOP AND BOTTOM
T.C. TOP CHORD
T. TOP OF
T.H.K.D. THICKENED
T.O.C. TOP OF CONCRETE
T.S. THICKENED SLAB
T.Y.P. TYPICAL
U.N.D. UNLESS NOTED OTHERWISE
V.B. VAPOR BARRIER
V.E.R.T. VERTICAL
V.F. VERIFY IN FIELD
V.V.A. VERIFY WITH ARCHITECT
W.W.F. WELDED WIRE FABRIC
Y.D. YARD (3 FT.)
Ø. DIAMETER

FOUNDATION NOTES:

- FOUNDATIONS ARE DESIGNED FOR 3000 PSF ALLOWABLE SOIL BEARING PRESSURE AND A SOIL SUBGRADE MODULUS (K) OF 140 PCl. CONTRACTOR SHALL VERIFY ADEQUACY OF FOOTING AND SLAB SUBGRADE TO SUPPORT THIS LOADING. EXCAVATE ALL SOIL UNSUITABLE FOR FOUNDATION OR SLAB SUPPORT AS DETERMINED BY A GEOTECHNICAL ENGINEER.
- FILL UNDER BUILDING SLABS TO BE COMPACTED TO 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698), WITH THE UPPERMOST 12 INCHES COMPACTED TO 98% OF THE SAME SPECIFICATION. MOISTURE CONTENT OF THE FILL, WHILE IT IS BEING COMPACTED, SHALL BE WITHIN 3% OF THE STANDARD PROCTOR OPTIMUM MOISTURE CONTENT.
- A 6" LAYER OF CRUSHED STONE SHALL BE PLACED BENEATH THE SLAB ON GRADE. THE CRUSHED STONE SHALL CONSIST OF MACADAM BASE COURSE COMPACTED TO AT LEAST 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY.
- OWNER MAY RETAIN AN INDEPENDENT GEOTECHNICAL ENGINEER FOR TESTING, COMPACTION AND INSPECTIONS OF ALL FOOTING AND SLAB SUBGRADE. TEST AND INSPECTION RESULTS SHALL BE REPORTED IN WRITING TO THE ENGINEER AND CONTRACTOR WITHIN 24 HOURS AFTER TESTS ARE MADE. THE COST OF ANY RETESTS OR ADDITIONAL WORK REQUIRED DUE TO IMPROPERLY COMPACTED FILL SHALL BE BORNE BY THE CONTRACTOR.
- THE FOUNDATION IS DESIGNED AS RECOMMENDED BY S&M, INC. REPORT DATED SEPTEMBER 19, 2014. THE ENGINEER IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD CONTRARY TO THOSE ASSUMED FOR DESIGN.
- SUBGRADE MATERIALS AND THEIR INSTALLATION SHALL BE AS RECOMMENDED IN THE GEOTECHNICAL REPORT.
- THE CONTRACTOR SHALL RETAIN A COPY OF THE SUBSURFACE REPORT ON PROJECT SITE AND SHALL FOLLOW ALL CONSTRUCTION AND FOUNDATION RECOMMENDATIONS OR PROCEDURES THEREIN. RECOMMENDATIONS MADE IN THE REPORT SHALL BE CONSTRUED AS PROJECT SPECIFICATIONS FOR SITE PREPARATION AND FOUNDATION CONSTRUCTION.

STRUCTURAL STEEL NOTES:

- DESIGN, FABRICATION, AND ERECTION OF ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION, 15TH EDITION, UNLESS NOTED OTHERWISE.
- MATERIALS SHALL MEET THE REQUIREMENTS OF THE FOLLOWING SPECIFICATIONS:
WIDE FLANGE STRUCTURAL STEEL.....ASTM A992, GRADE 50
STRUCTURAL STEEL.....ASTM A36
STRUCTURAL TUBING.....ASTM A500, GRADE B, FY (MIN) = 46 KSI
BOLTS.....ASTM A325-N
WELDING ELECTRODES.....AWS-A5.1, E70XX LOW HYDROGEN (OR EQUAL)
STEEL PIPE.....ASTM A53, TYPE E OR S, GRADE B
- ALL STRUCTURAL WELDING SHALL BE MADE BY A CERTIFIED WELDER IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS D1.1. MINIMUM SIZE OF FILLET WELD SHALL BE 1/8" SMALLER THAN MATERIAL THICKNESS OF THICKER PART JOINED, UNLESS NOTED OTHERWISE. ALL WELDING ELECTRODE STORAGE FOR LOW-HYDROGEN ELECTRODES SHALL BE STORED @ 250° WHEN EXPOSURE EXCEEDS REQUIREMENTS OF COLUMN A, TABLE 5.1 OF AWS. WELD CLEANING AND PAINTING OF COMPLETED WELDS SHALL BE IN ACCORDANCE WITH AWS.
- UNLESS NOTED OTHERWISE ON THE PLANS, CONNECTIONS SHALL DEVELOP AT LEAST ONE-HALF OF THE TOTAL UNIFORM LOAD CAPACITY TABULATED IN THE TABLES OF THE AISC MANUAL FOR THE GIVEN SECTION AND SPAN OF THE BEAM IN QUESTION. IN NO CASE, HOWEVER, SHALL THE LENGTH OF FRAMED CONNECTIONS BE LESS THAN ONE-HALF THE "T" DIMENSION OF THE BEAM WEB. CONNECTIONS INDICATED ON THE PLANS BY "T" SHALL CONTAIN THE MAXIMUM NUMBER OF ROWS OF BOLTS, AT 3" PITCH, THAT CAN BE FIT IN A CLIP ANGLE WHOSE LENGTH EQUALS THE "T" DIMENSION OF THE BEAM.
- ALL BOLTED CONNECTIONS SHALL BE BEARING-TYPE USING 3/4" DIAMETER AND BROUGHT TO A SNUG TIGHT CONDITION. A325-BOLTS WITH THREADS INCLUDED IN SHEAR PLANE, UNLESS NOTED OTHERWISE.
- SHOP CONNECTIONS MAY BE BOLTED OR WELDED.
- FIELD CONNECTIONS SHALL BE BOLTED UNLESS NOTED OTHERWISE ON DRAWINGS.
- SURFACE PREPARATIONS FOR STRUCTURAL STEEL SUBJECT TO EXTERIOR ENVIRONMENTAL CONDITIONS SHALL BE CLEANED IN ACCORDANCE SSPC-SP5 (COMMERCIAL BLAST CLEANING) AND PRIMED WITH SSPC PAINT 31. STEEL NOT SUBJECT TO EXTERIOR ENVIRONMENTAL CONDITIONS SHALL BE CLEANED IN ACCORDANCE WITH SSPC-SP2 (HAND TOOL CLEANING), AND PRIMED WITH SSPC PAINT 15, OR BETTER, 2 MILS DFT AND SHALL BE COMPATIBLE WITH OVERCOAT.
- PROVIDE MISCELLANEOUS STEEL & SUPPORT ANGLES AROUND COLUMN AND OTHER FLOOR AND ROOF PENETRATIONS AND OPENINGS REQUIRED TO SUPPORT ENDS AND EDGES OF METAL DECK.
- PROVIDE 3" CONCRETE COVER OVER ALL STEEL BELOW GRADE, EXPOSED TO WEATHER, OR SUBJECT TO MOISTURE.
- WHEN STRUCTURAL STEEL SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC, CHAPTER 17 APPLY:
 - THE CONTRACTOR SHALL PROVIDE THE STEEL INSPECTOR:
 - WELDER QUALIFICATION CERTIFICATES (DATED WITHIN THE PAST 48 MONTHS)
 - WELD PROCEDURES FOR WHICH WELDERS ARE CERTIFIED.
 - ELECTRODE TYPE TO BE USED FOR STRUCTURAL STEEL.
 - ELECTRODE TYPE TO BE USED FOR METAL DECKING.
- ALL PJP AND CJP WELDS SHALL BE CONTINUOUSLY MONITORED DURING WELDING.
- ALL MULTIPASS FILLET WELDS SHALL BE CONTINUOUSLY MONITORED DURING WELDING.
- SINGLE-PASS FILLET WELDS GREATER THAN 5/16" SHALL BE CONTINUOUSLY MONITORED DURING WELDING.
- INSTALLATION OF HIGH-STRENGTH BOLTS SHALL BE PERIODICALLY INSPECTED DURING INSTALLATION.
- VERIFICATION OF HIGH STRENGTH BOLTS WILL BE REQUIRED.
- BEARING-TYPE CONNECTIONS SHALL REQUIRE PERIODIC INSPECTION.
- PIPING GREATER THAN 4" Ø SHALL BE SUPPORTED @ 10'-0" O.C. MAX. AND SHALL BE CONSIDERED IN THE DESIGN.



1000 LEVEL DEMOLITION PLAN VIEW
1/8" = 1'-0"

DRAWING INDEX

Sheet Number	Sheet Name
SD100	DEMOLITION PLAN
SD101	DEMOLITION DETAILS

mcmillan pazdan smith
ARCHITECTURE

CONSULTANT LOGO

Base

Bailey and Son Engineering, Inc.

124 EDINBURGH COURT
SUITE 209
GREENVILLE, SC 29607
PH (864) 232-1284
WWW.B&S.E.COM JOB# 20242

SEALS

Professional Engineer Seal for Bailey and Son Engineering, Inc. No. 000553, State of South Carolina, Exp. 12/31/2022.

SPARTANBURG COUNTY SCHOOL DISTRICT FIVE

JAMES F. BYRNES HIGH SCHOOL
PHASE 2 ADDITION

150 E. MAIN STREET
DUNCAN, SC 29504

SHEET ISSUE:

NO.	DATE	DESCRIPTION	BY
C	01/13/22	GMP DEMO SET	ATR

GMP DEMO SET 01/31/22

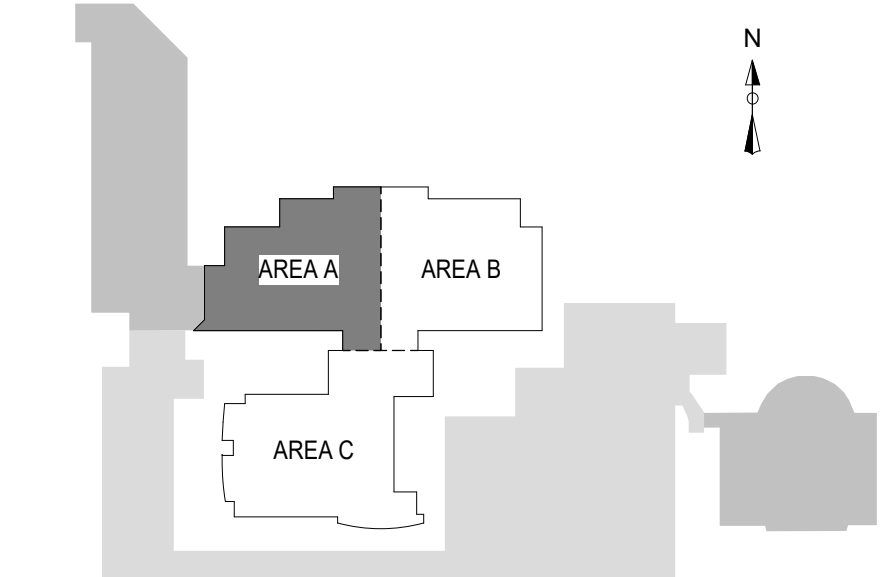
PRINCIPAL IN CHARGE: PGG
PROJECT ENGINEER: ATR
DRAWN BY: ATR

SHEET TITLE:
DEMOLITION PLAN

SHEET NO. PROJ. NO.
20242

SD100

NOT FOR CONSTRUCTION
FOR PRICING ONLY



PLUMBING SPECIFICATIONS:

GENERAL PROVISIONS:
 A. All bidders shall visit the job site and familiarize themselves with existing job conditions, as no extra cost will be allowed because of additional work necessitated or changes in plans required by job conditions, unless same is brought to the attention of the Architect prior to receipt of bids.
 B. At any connections to existing piping systems, contractor shall verify invert and location of connections prior to routing any pipe.

RECORD DRAWINGS:
 Mark any changes in pipe routing, equipment, or deviations from Contract Drawings on clean set of prints; deliver to Architect for transmittal to Owner at completion of contract.

PERMITS AND FEES:
 The Contractor shall obtain and pay for all permits required, give all legal notices and pay all fees for utility connections, for inspections, for back flow protection certification or as otherwise required for the work.

CODE:
 The entire Plumbing System shall be installed in accordance with the standards prescribed by the International Plumbing Code and other applicable local codes. Where specified materials and methods exceed minimum Code requirements, the drawings and specifications shall supersede the Code.

EXCAVATION AND BACKFILLING:
 Contractor shall execute all excavation and trenches required for the work specified herein and after the work is in place shall backfill, with clay or sand first and black earth on top. Thoroughly tamp all earth. All surplus earth shall be removed by Contractor from building and disposed of on site as directed by Architect. Provide necessary shoring for protection of trenches.

Trench backfill shall be compacted to 90% in non-traffic areas and 95% in traffic, floor slabs, and paved areas, based on Standard Proctor Test (ASTM G98). Backfill shall be tamped in a maximum of 12" layers.

PIPING MATERIALS:
 A. Underground and Above Ground Drain, Sewer, & Vents (PVC):
 All underground sanitary drains, vents, and storm drains shall be PVC, Schedule 40, plastic DWV piping and fittings. Pipe shall conform to ASTM D-2665 or D-1785, Standards and shall bear NSF seal of approval. Solvent cement shall conform to ASTM standard D-2564-88 and with purple primer ASTM F656. Pipe shall be installed per ASTM-2321.
 B. Potable Water Piping (copper):
 Water pipe shall be copper unless noted otherwise:
 Unless noted otherwise, water piping below grade or under the concrete floor slab shall be Type "K" hard copper tubing with wrought sweat fittings.
 All water piping within the building and above ground shall be Type "L" hard copper tubing with wrought sweat fittings. Fittings and tubing shall conform to ASTM B 88.

PIPE JOINTS:
 A. PVC Pipe (Drain and Waste):
 Pipe shall be assembled with solvent joints in accordance with ASTM 2855 latest revisions. Solvent cement shall conform to ASTM Standard D 2564-88, and with purple primer ASTM F656.
 B. Copper Pipe:
 Shall be cut true and square. Shall be reamed inside and ends shall be polished outside with emery cloth where it enters fittings. All fittings shall be polished inside and coated with a flux as recommended by the solder manufacturer. All solder shall be lead free.

PIPING EXPOSED TO THE WEATHER:
 Insulate with either 2" of Pittsburgh Corning "Foamglass" rigid cellular glass, or 1 1/2" rigid isocyanurate. Pipe and fittings shall be finished with "Suran 560" 6 mil, PVDC vapor retarder film. The pipe and vapor retarder shall be covered with a jacket of .010" thickness smooth lightweight aluminum secured with aluminum bands 8" on center. All ends shall be finished with formed aluminum jackets or sunlight resistant PVC covers.
 Before insulating, heat trace all flooded piping with Chromalox SRL (or RayChem) self-regulating pipe heating tape at one foot of tape per foot of pipe. Heat output shall be 3 w/ft. Heat tape output shall be automatically controlled in proportion to the pipe temperature. Install the tape before insulating.

PIPE TESTING:
 The entire sanitary, drainage, vent and water systems shall be tested by the Contractor in the presence of and to the satisfaction of the local Plumbing Inspector, in compliance with the State and Local Code regulations.

A. Inside Drainage and Vent System - The drainage and vent system shall be tested to a 10' head of water above the top fixture of a fixture group. The water shall be kept in the system, or in the portion under test, for at least 15 minutes before the inspection starts; the system shall be tight at all points.

B. Potable Water Piping (Copper):
 Copper Piping - Shall be tested to 150 psi by hydrostatic pressure before they are covered, and shall remain absolutely tight for a period of at least (2) hours.

SYMBOLS

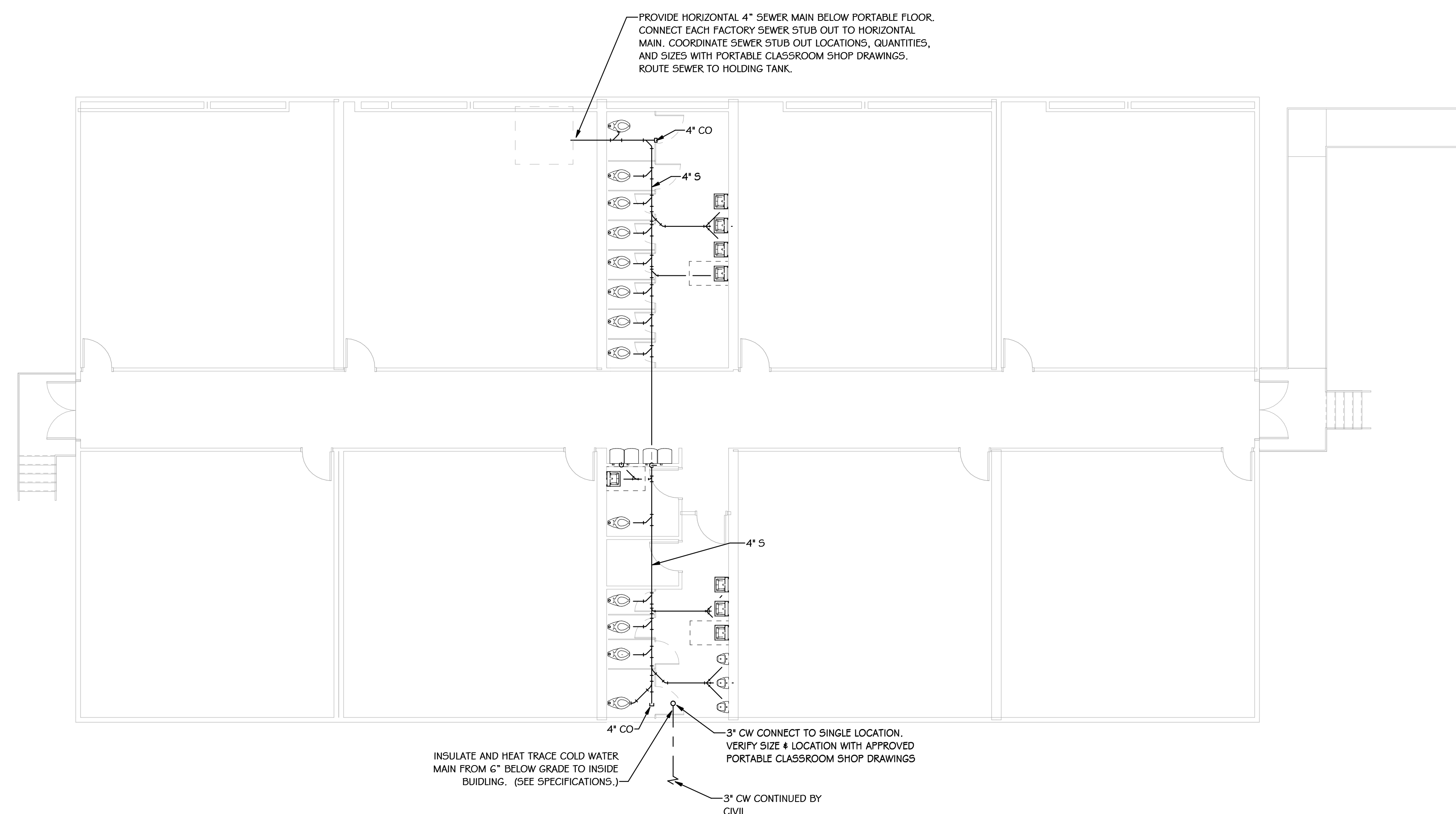
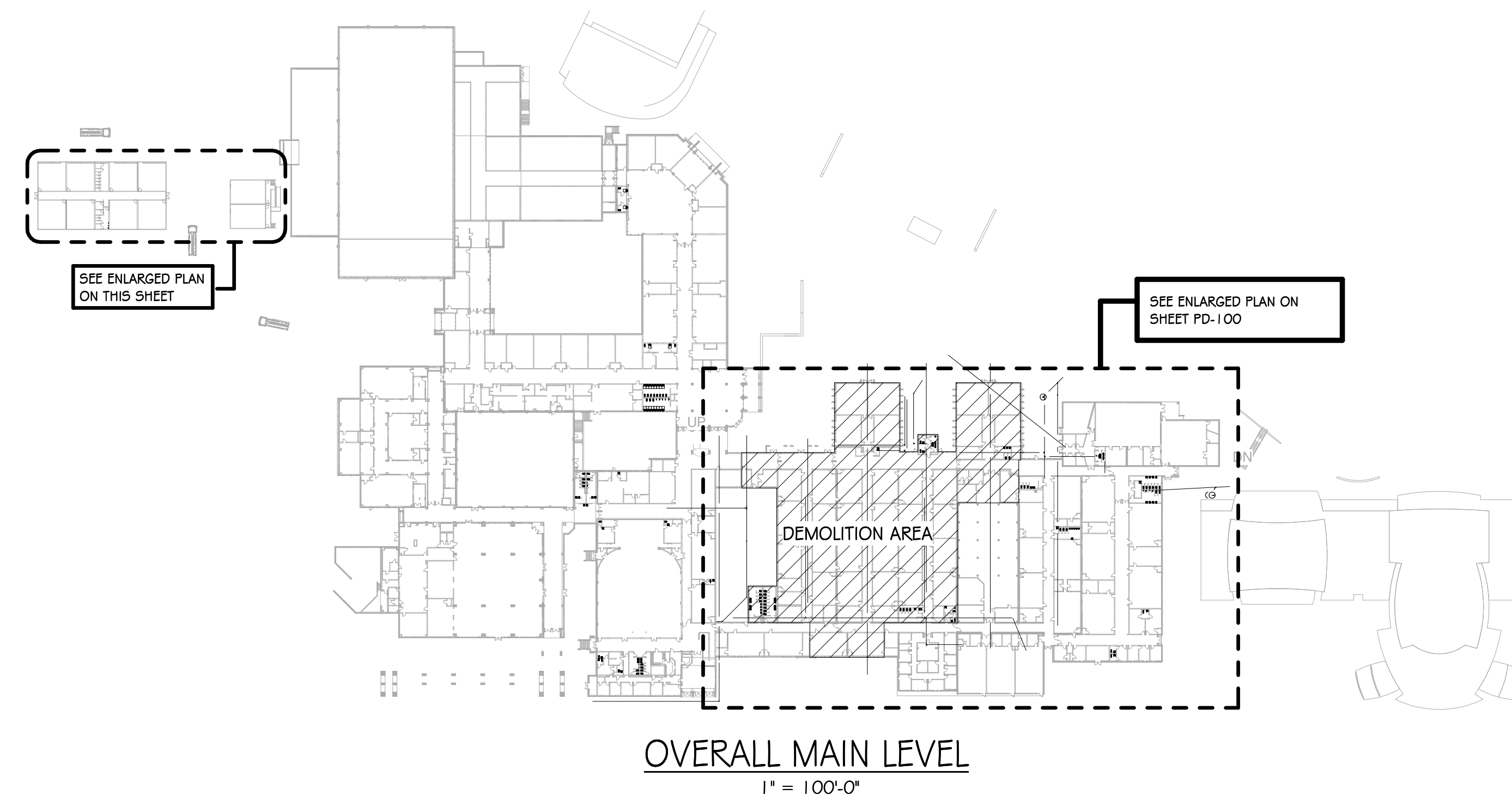
- SEWER OR WASTE
- - - - VENT (OR EXIST. PIPE IF NOTED)
- POTABLE COLD WATER (CW)
- POTABLE HOT WATER (HW)
- HOT WATER PUMPED RETURN
- D DRAIN
- SD STORM DRAIN
- DS DOWNSPOUT
- GATE VALVE
- BALL VALVE
- UNION
- CHECK VALVE
- GLOBE VALVE
- VB VALVE BOX
- CO CLEANOUT
- FD FLOOR DRAIN
- G NATURAL GAS
- HB HOSE BIBB
- WH WALL HYDRANT
- VTR VENT THRU ROOF
- SA SHOCK ABSORBER
- HD HUB DRAIN
- A ACID WASTE
- FS FLOOR SINK
- F FIRE LINE
- FH FIRE HYDRANT
- TP TRAP PROTECTION (SEE SPECIFICATIONS)
- OH OVER HEAD
- U/G UNDERGROUND
- TG TRAP GUARD VALVE (SEE SPECIFICATIONS)
- AAV AIR ADMITTANCE VALVE

GENERAL NOTES:

1. ALL SEWER FLOOR CLEAN-OUTS SHALL TURN UP TO GRADE/SLAB WITH A LONG SWEEP ELL.
2. OUTSIDE CLEAN-OUTS SHALL BE SET IN A 4" DEEP CONCRETE PAD. SEE SPECS.
3. WHERE SEWER LINES ARE ROUTED BELOW THE STRUCTURAL FOOTINGS OR THROUGH FOUNDATION WALLS, PROVIDE A PIPE SLEEVE. THE SLEEVE SHALL BE A MINIMUM 2 PIPE SIZES LARGER THAN THE PIPE PASSING BELOW THE FOOTING.
4. WHERE PLUMBING LINES PENETRATE A WALL OR WHERE PLUMBING LINES EXTEND THROUGH FLOOR SLABS AND OR THICKENED SLABS, THE PLUMBING LINE SHALL BE INSULATED WITH 3/4" THICK ARMAFLEX INSULATION.

PLUMBING DEMOLITION SHEET LIST

- PD-000 PLUMBING SPECIFICATIONS & PORTABLE PLAN
- PD-100 MAIN LEVEL PLUMBING DEMO PLAN



SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	STB

GMP DEMO SET	01/31/22
PRINCIPAL IN CHARGE:	STB
PROJECT ENGINEER:	STB
DRAWN BY:	HFC

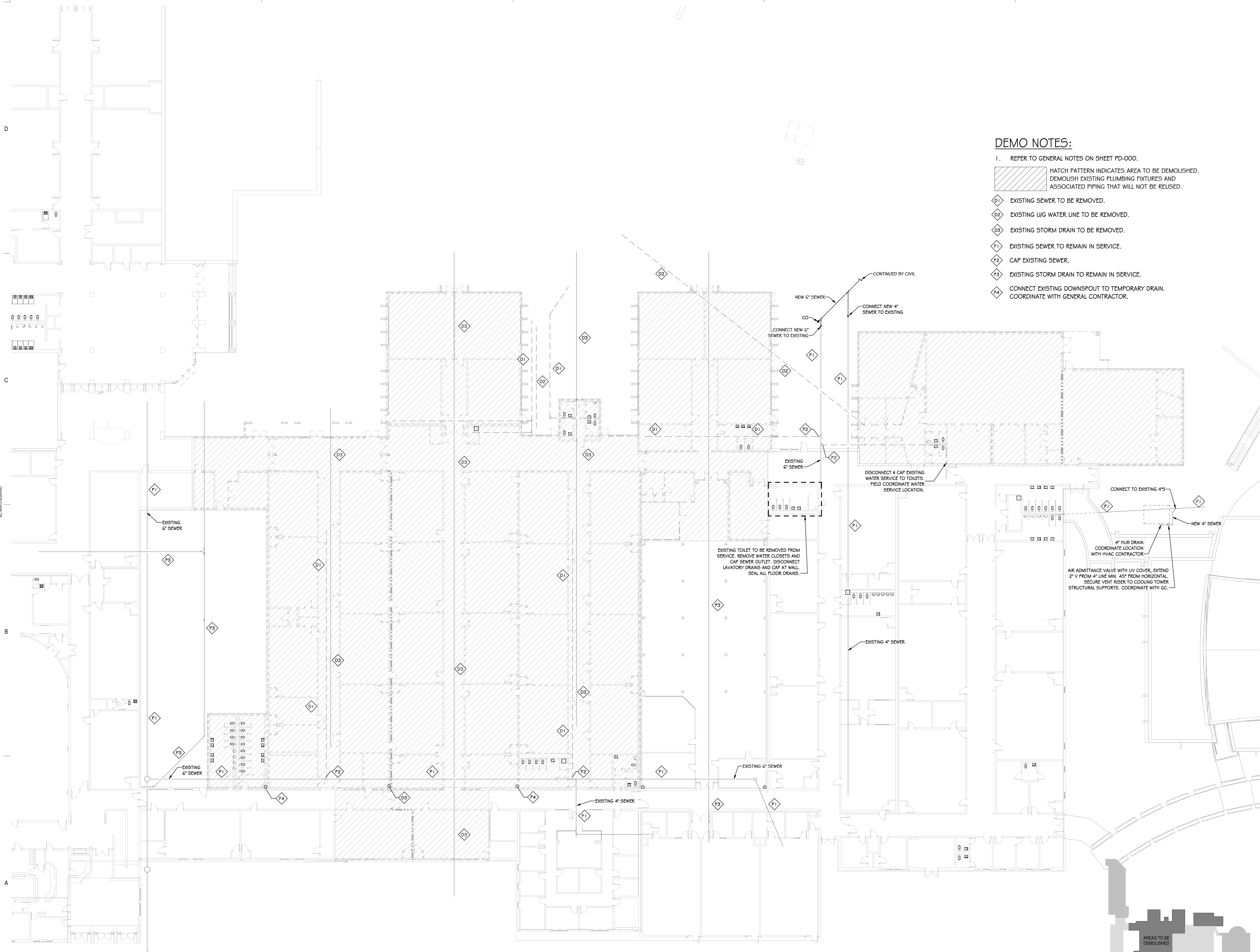
SHEET TITLE:
**PLUMBING
 SPECIFICATIONS &
 PORTABLE PLAN**

SHEET NO.	CBE PROJ. NO.
	2037

PD-000

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- DEMO NOTES:**
- REFER TO GENERAL NOTES ON SHEET PD-000.
 - HATCH PATTERN INDICATES AREA TO BE DEMOLISHED. DEMOLISH EXISTING PLUMBING FIXTURES AND ASSOCIATED PIPING THAT WILL NOT BE REUSED.
 - EXISTING SEWER TO BE REMOVED.
 - EXISTING U/G WATER LINE TO BE REMOVED.
 - EXISTING STORM DRAIN TO BE REMOVED.
 - EXISTING SEWER TO REMAIN IN SERVICE.
 - CAP EXISTING SEWER.
 - EXISTING STORM DRAIN TO REMAIN IN SERVICE.
 - CONNECT EXISTING DOWNSPOUT TO TEMPORARY DRAIN. COORDINATE WITH GENERAL CONTRACTOR.

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SPARTANBURG SCHOOL DISTRICT FIVE
 JAMES F. BYRNES HIGH SCHOOL
 PHASE 2 DEMOLITION
 150 E. MAIN STREET
 DUNCAN, SC 29540

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	STB

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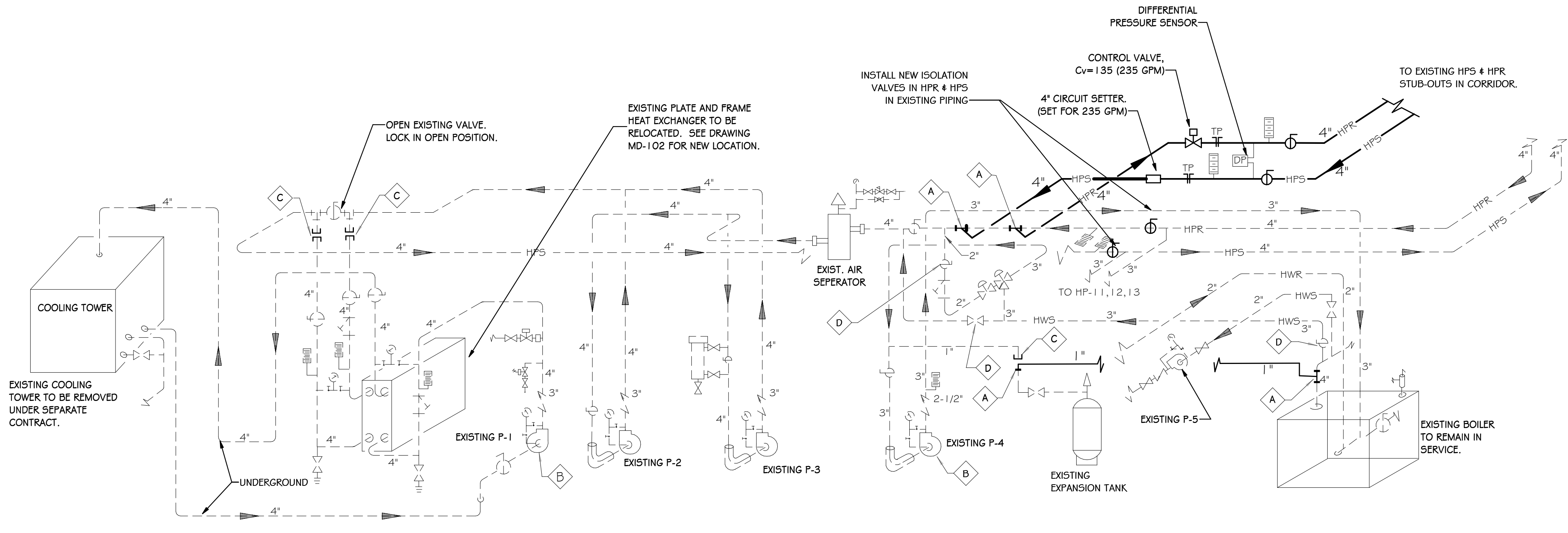
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PRINCIPAL IN CHARGE:	STB
PROJECT ENGINEER:	STB
DRAWN BY:	HFC

SHEET TITLE:
**MAIN LEVEL
 PLUMBING DEMO
 PLAN**

SHEET NO.	CBE PROJ. NO.
	2037

MAIN LEVEL PLUMBING DEMO PLAN
 1/16" = 1'-0"

PD-100



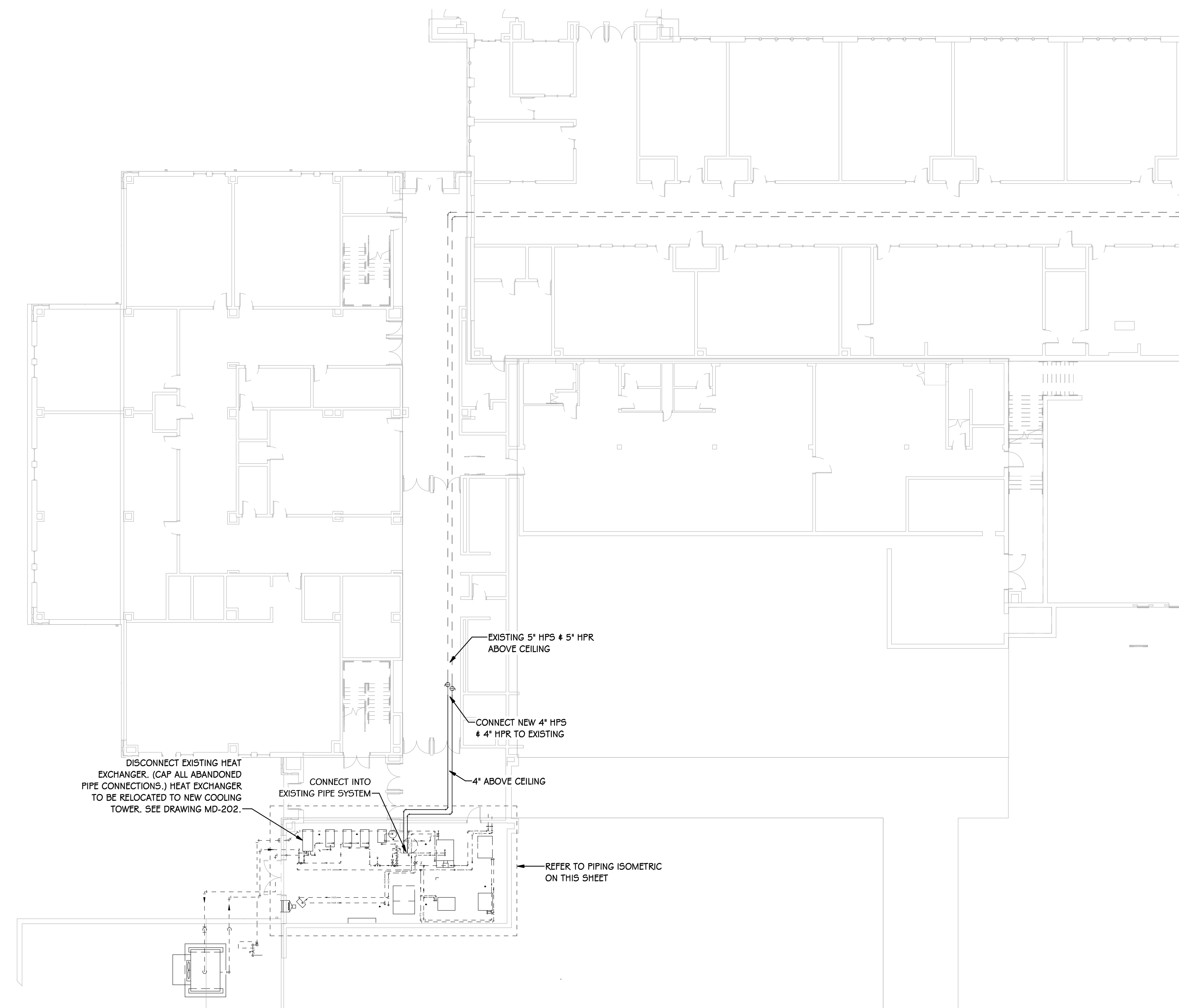
CAFETERIA BOILER ROOM PIPING SCHEMATIC
NO SCALE

GENERAL NOTES:

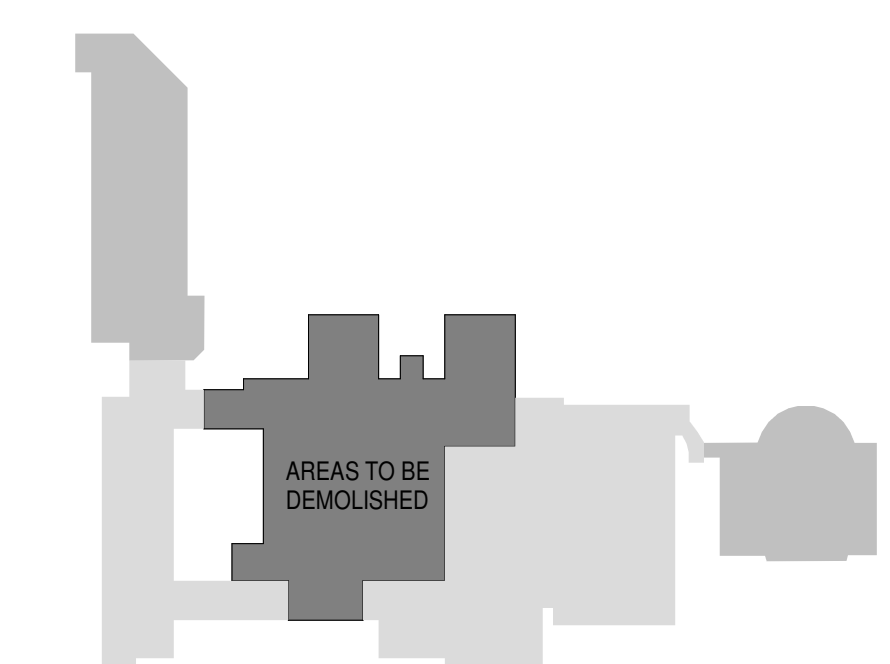
- SEE HVAC GENERAL NOTES ON SHEET M-100
- WHERE HVAC PIPING IS REMOVED, CAP ENDS OF PIPING TO WITHSTAND SYSTEM OPERATING PRSSURE.

KEYED NOTES:

- Ⓐ CONNECT TO EXISTING PIPING.
- Ⓑ EXISTING PUMP TO BE ABANDONED IN PLACE. TURN OFF AND LOCK OUT DISCONNECT. TURN OFF BREAKER SERVING PUMP.
- Ⓒ CAP EXISTING PIPING. ABANDON EXISTING UNUSED PIPING.
- Ⓓ CLOSE EXISTING SERVICE VALVE.



GROUND LEVEL HVAC UTILITY RELOCATION
1/16" = 1'-0"



SPARTANBURG SCHOOL DISTRICT FIVE
JAMES F. BYRNES HIGH SCHOOL
PHASE 2 DEMOLITION
150 E. MAIN STREET
DUNCAN, SC 29304

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	STB

GMP DEMO SET	01/31/22
PRINCIPAL IN CHARGE:	STB
PROJECT ARCHITECT:	STB
DRAWN BY:	AYP

SHEET TITLE:
**GROUND LEVEL HVAC
UTILITY RELOCATION
PLAN**

SHEET NO.	PROJ. NO.
	2037

MD-201

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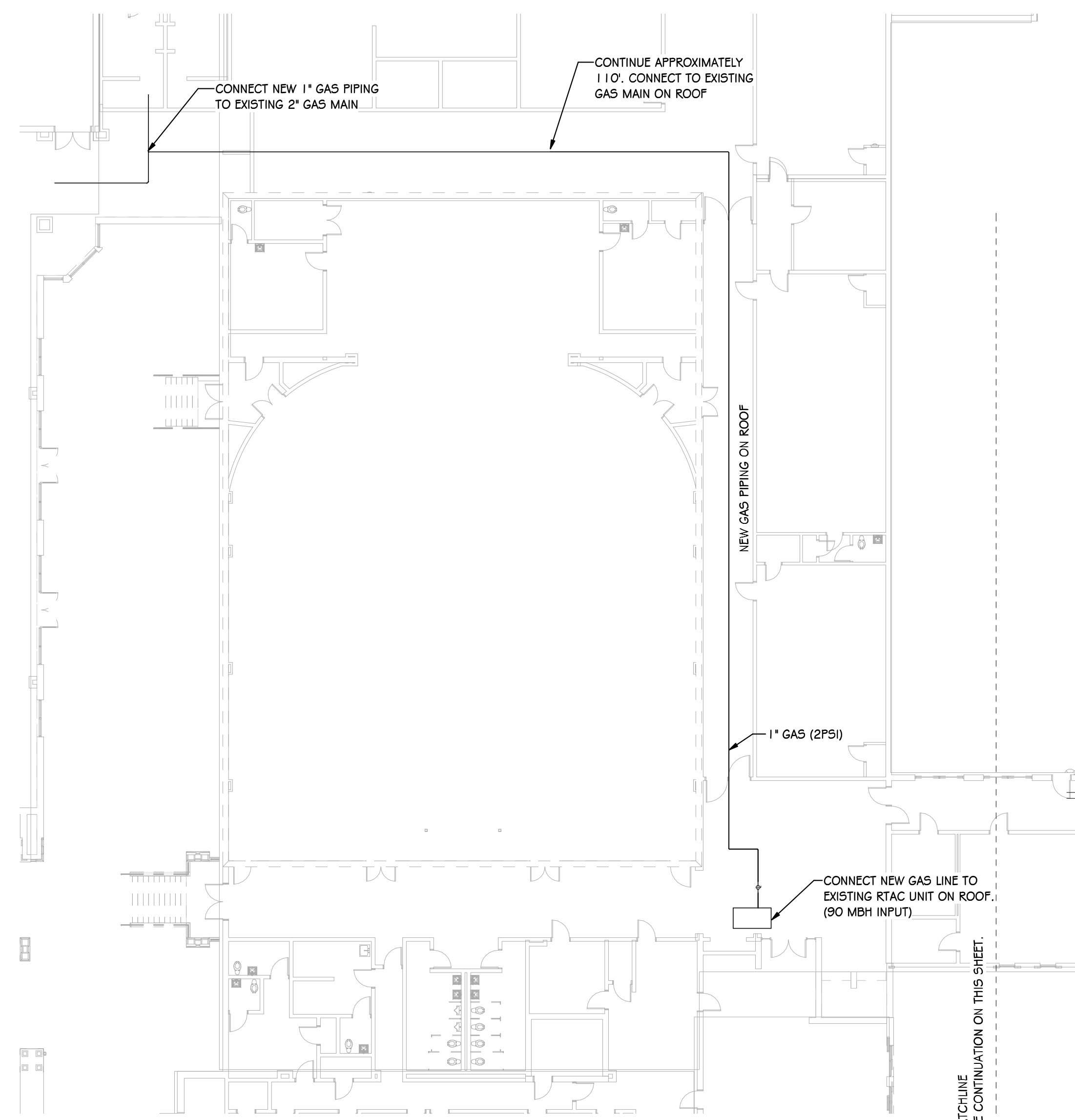
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	C	01/31/22	GMP DEMO SET	STB

GMP DEMO SET	01/31/22
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PROJECT ARCHITECT:	STB
DRAWN BY:	AYP

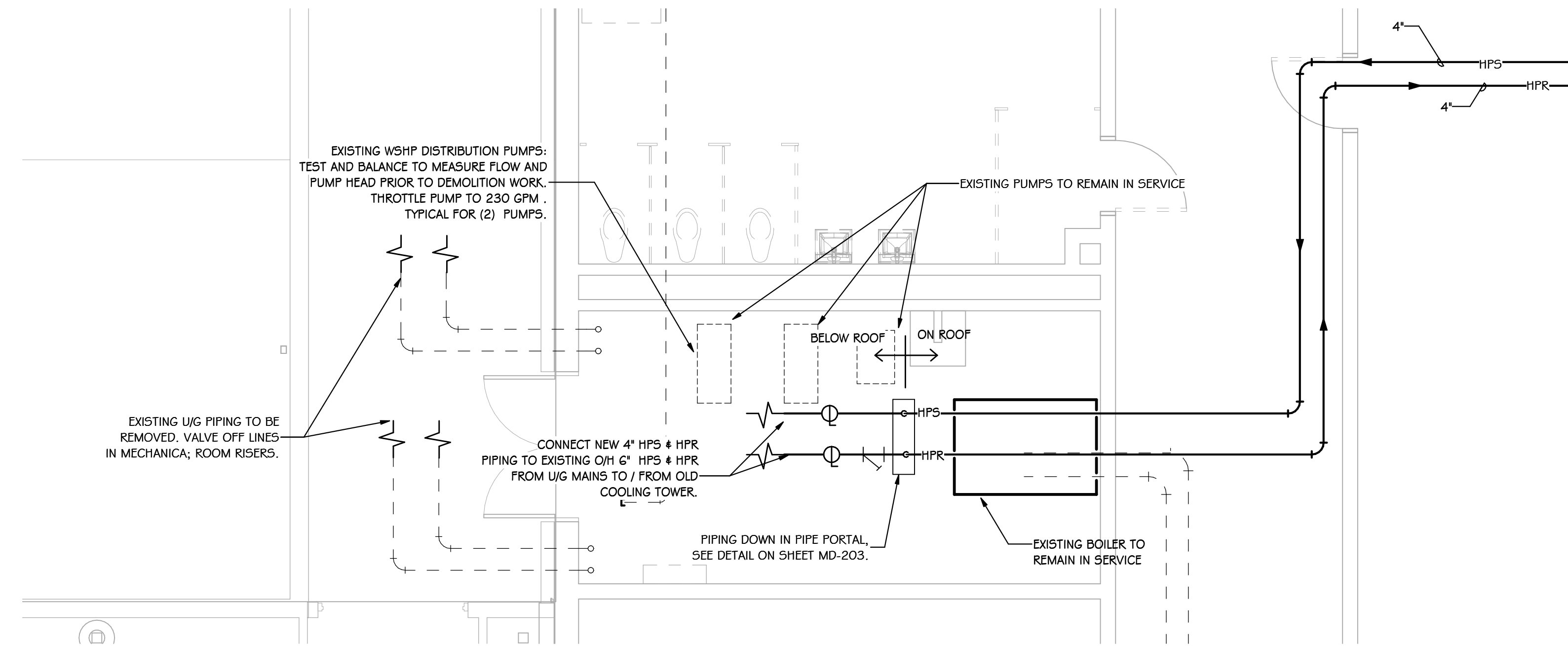
SHEET TITLE:
**MAIN LEVEL HVAC
UTILITY RELOCATION
PLAN**

SHEET NO.	PROJ. NO.
	2037

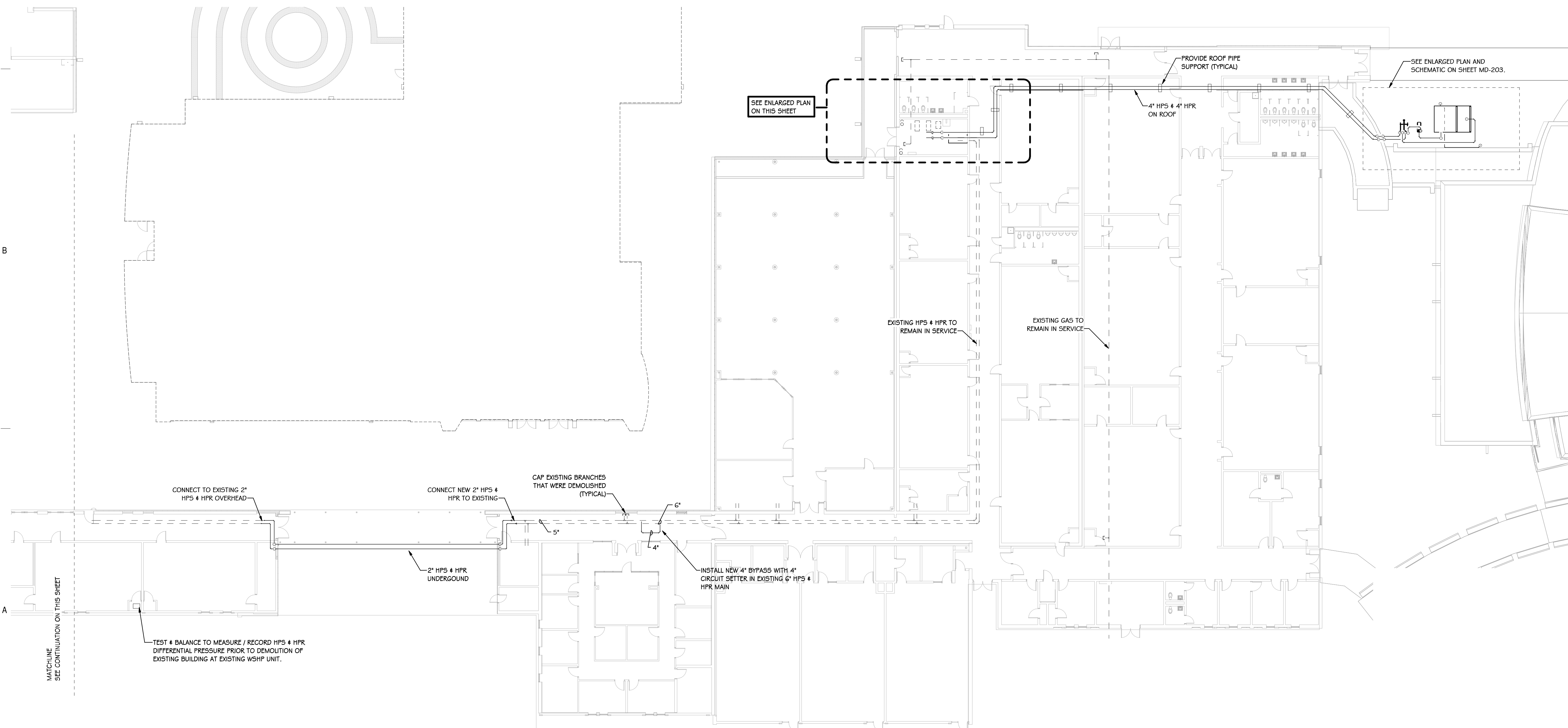
MD-202



MAIN LEVEL HVAC UTILITY RELOCATION PLAN (CONTINUED)
1/16" = 1'-0"



ENLARGED MECHANICAL ROOM 215A
1/4" = 1'-0"

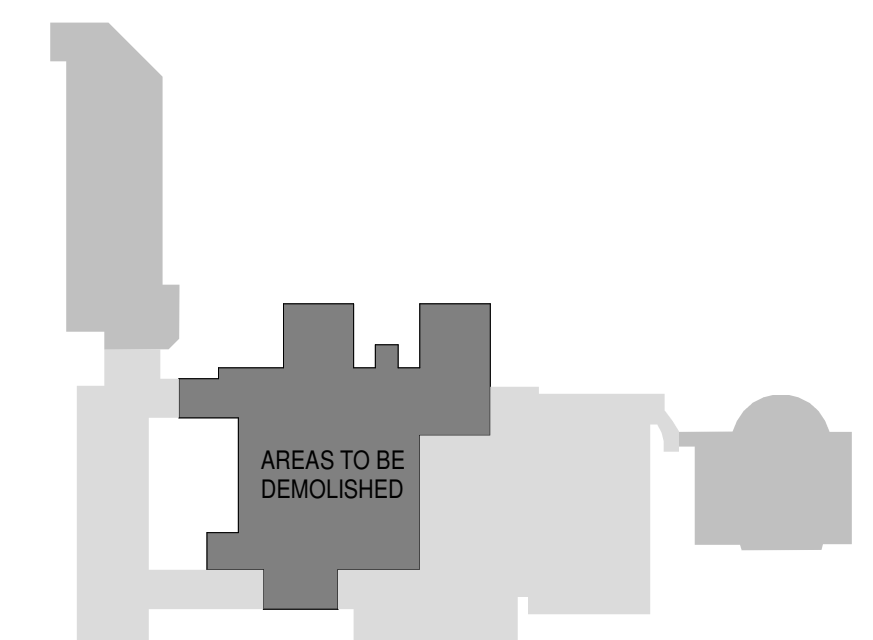


MAIN LEVEL HVAC UTILITY RELOCATION PLAN
1/16" = 1'-0"

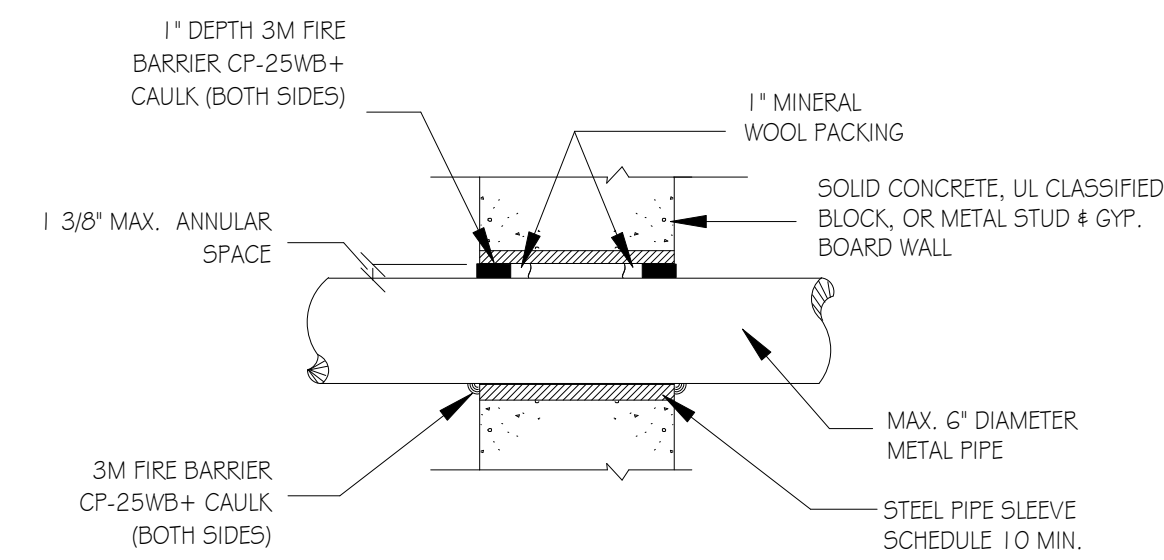
SHEET NOTES:

- REFER TO GENERAL NOTES ON SHEET M-100

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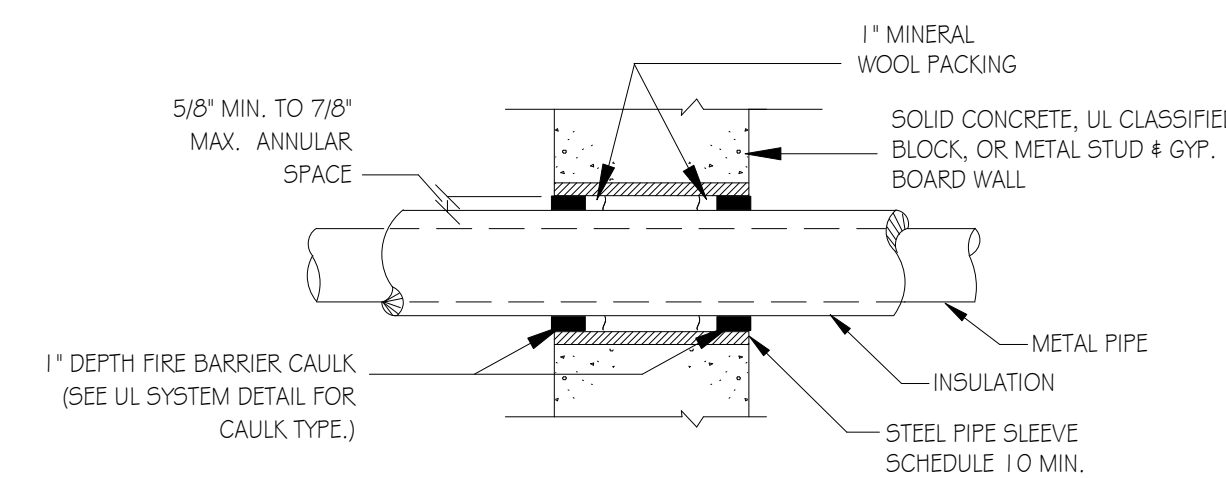
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- APPLICATION DETAILS**
1. INSTALL THE FIRESTOP SYMMETRICALLY ON BOTH SIDES OF THE WALL ASSEMBLY.
 2. MINIMUM ANNULAR SPACE REQUIREMENT IS ZERO, POINT CONTACT. MAXIMUM ANNULAR SPACE ALLOWABLE IS 1.38".
 3. RECESS A NOMINAL 1" THICKNESS OF TIGHTLY PACKED MINERAL WOOL FIRE SAFING, 1" FROM THE WALL SURFACE.
 4. FILL THE ANNULAR SPACE AROUND THE PIPE WITH A MINIMUM 1" DEPTH OF 3M FIRE BARRIER CP-25WB+ CAULK.

UNINSULATED PIPE (1, 2, 3, OR 4 HR)
(UL SYSTEM #CA1044)

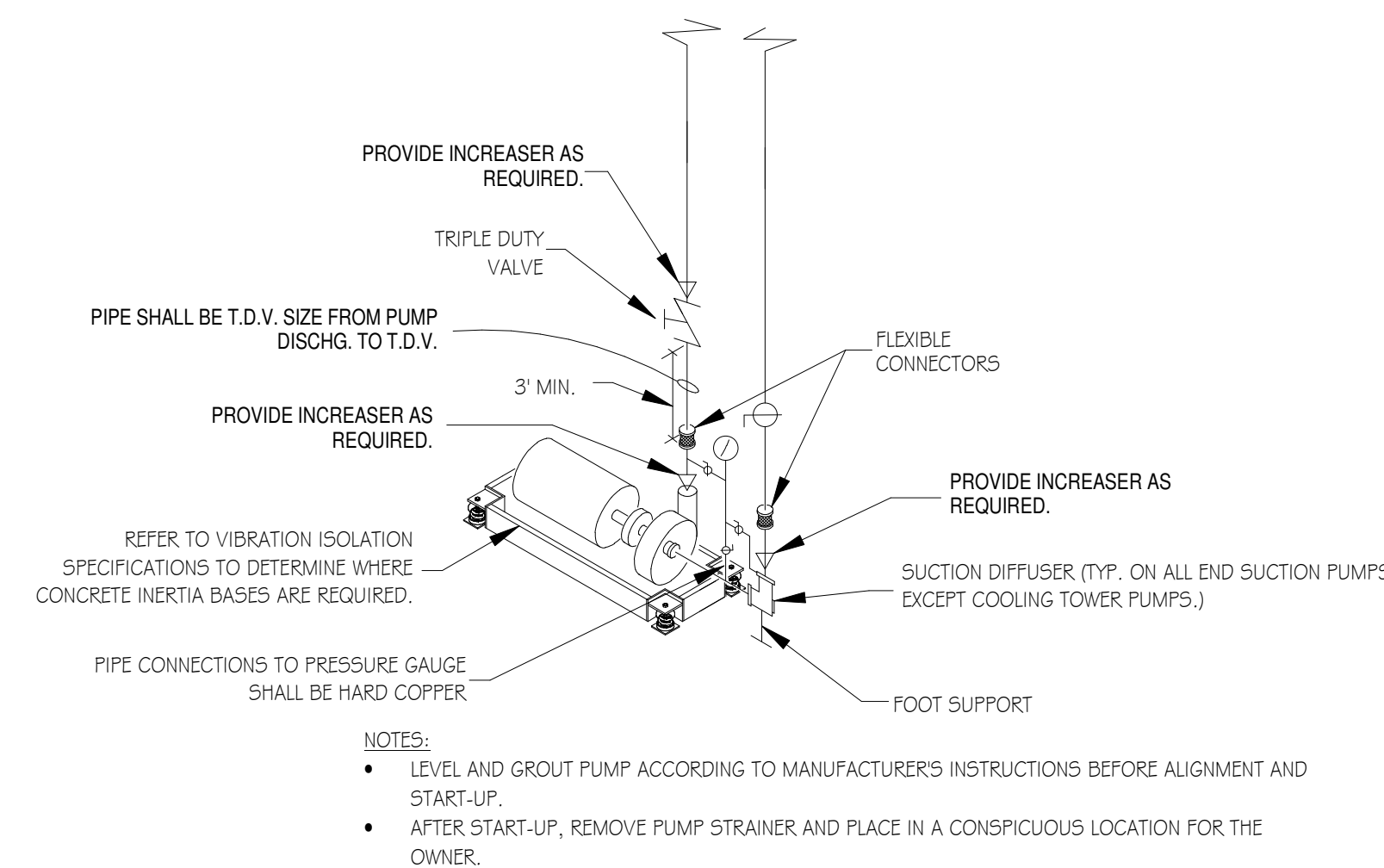
DETAIL OF PIPE PENETRATION OF ALL FIRE RATED FLOORS & PARTITIONS
NO SCALE



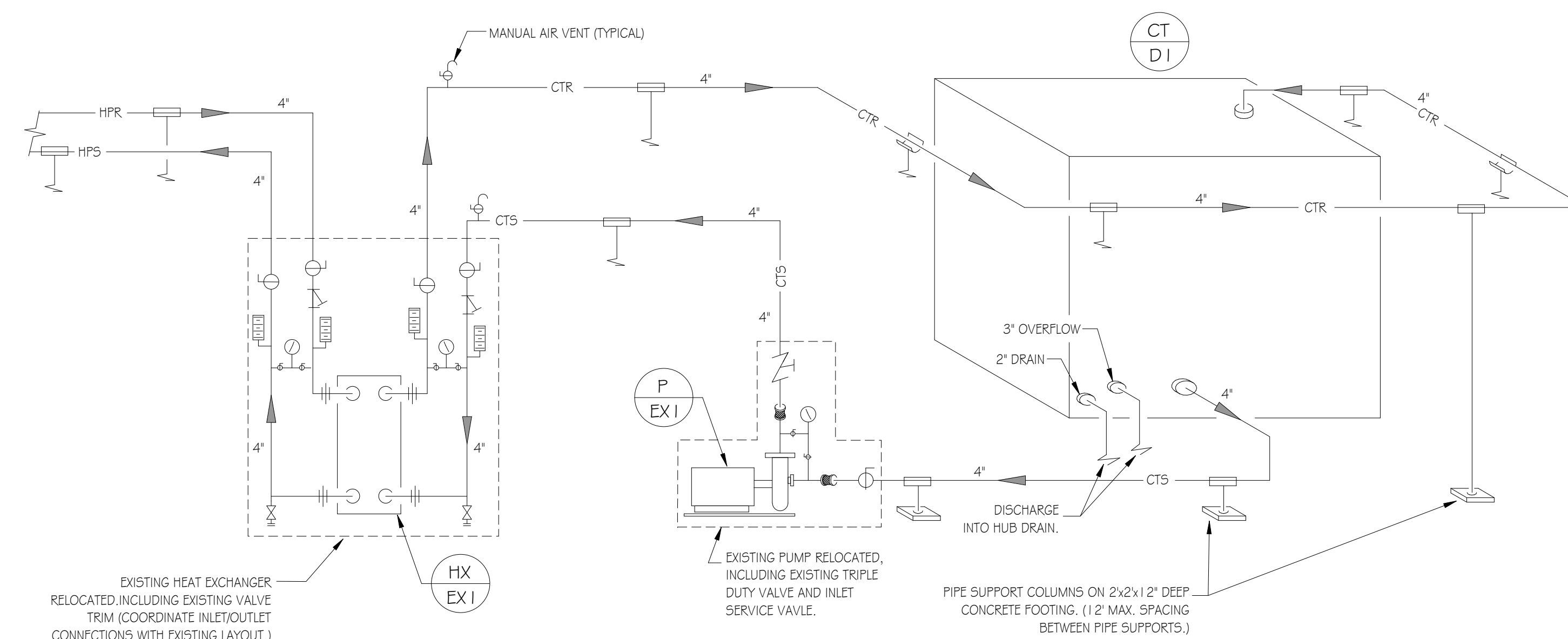
- APPLICATION DETAILS**
1. INSTALL THE FIRESTOP SYMMETRICALLY ON BOTH SIDES OF THE WALL ASSEMBLY.
 2. MINIMUM ANNULAR SPACE REQUIREMENT IS 5/8". MAXIMUM ANNULAR SPACE ALLOWABLE IS 7/8".
 3. RECESS A NOMINAL 1" THICKNESS OF TIGHTLY PACKED MINERAL WOOL FIRE SAFING, 1" FROM THE WALL SURFACE.
 4. FILL THE ANNULAR SPACE AROUND THE PIPE WITH A MINIMUM 1" DEPTH OF FIRE BARRIER CAULK. (SEE UL SYSTEM DETAIL FOR CAULK TYPE.)
- NOTE:** FOR PIPE INSULATED WITH RUBBER BASED FLEXIBLE INSULATION, INSTALL A FIBERGLASS INSERT AT THE FIRE WALL PENETRATION IN LIEU OF THE FLEXIBLE RUBBER INSULATION. (THE FIBERGLASS INSERT SHALL BE THE SAME THICKNESS AS THE RUBBER BASED INSULATION.) THE FIBERGLASS INSERT SHALL EXTEND 6" (MIN.) ON EACH SIDE OF FIRE WALL.

INSULATED PIPE (1, 2, 3 OR 4 HR)
(UL SYSTEM #CBJS002
(FOR PIPING LARGER THAN 6" USE UL SYSTEM #CBJS003))

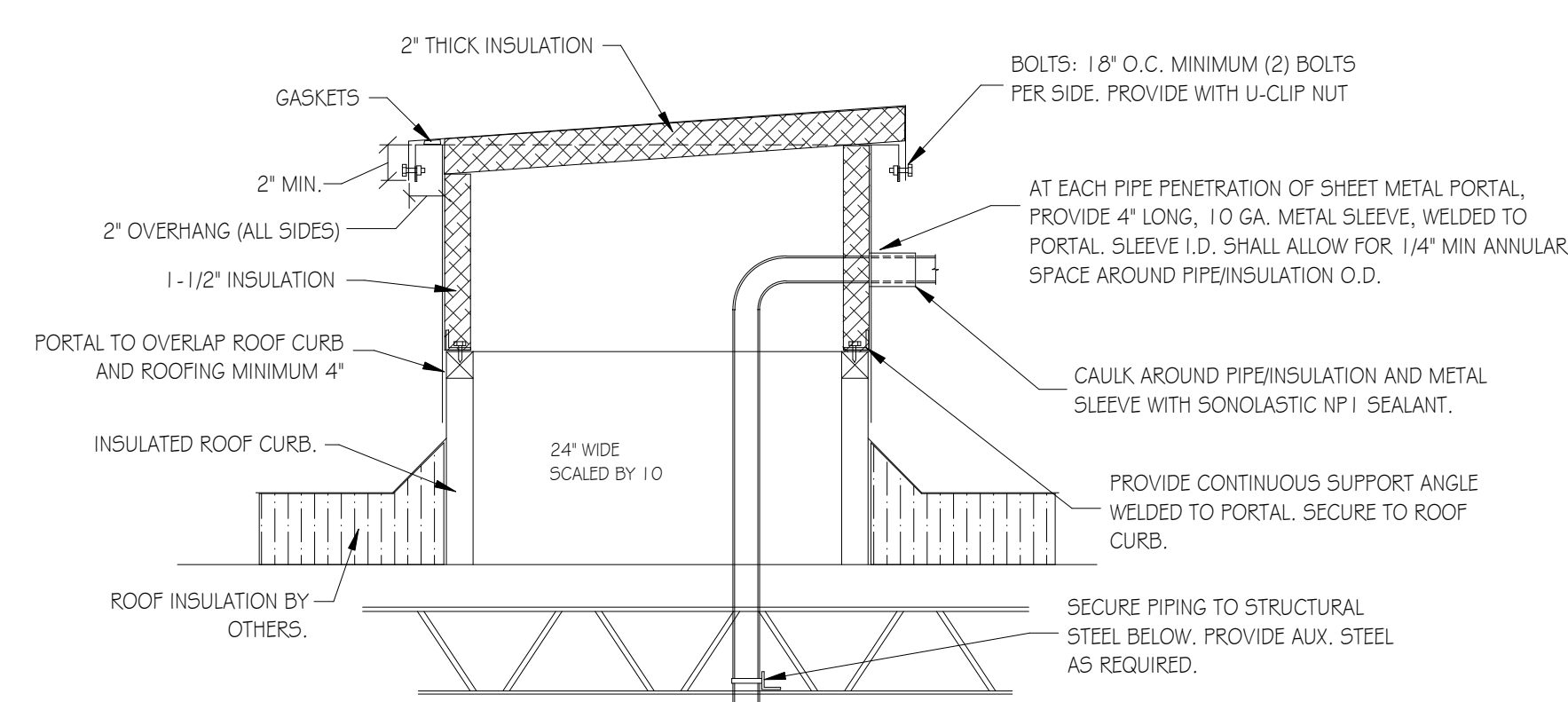
DETAIL OF PIPE PENETRATION OF ALL FIRE RATED FLOORS & PARTITIONS
NO SCALE



TYPICAL PUMP TRIM DETAIL
NO SCALE

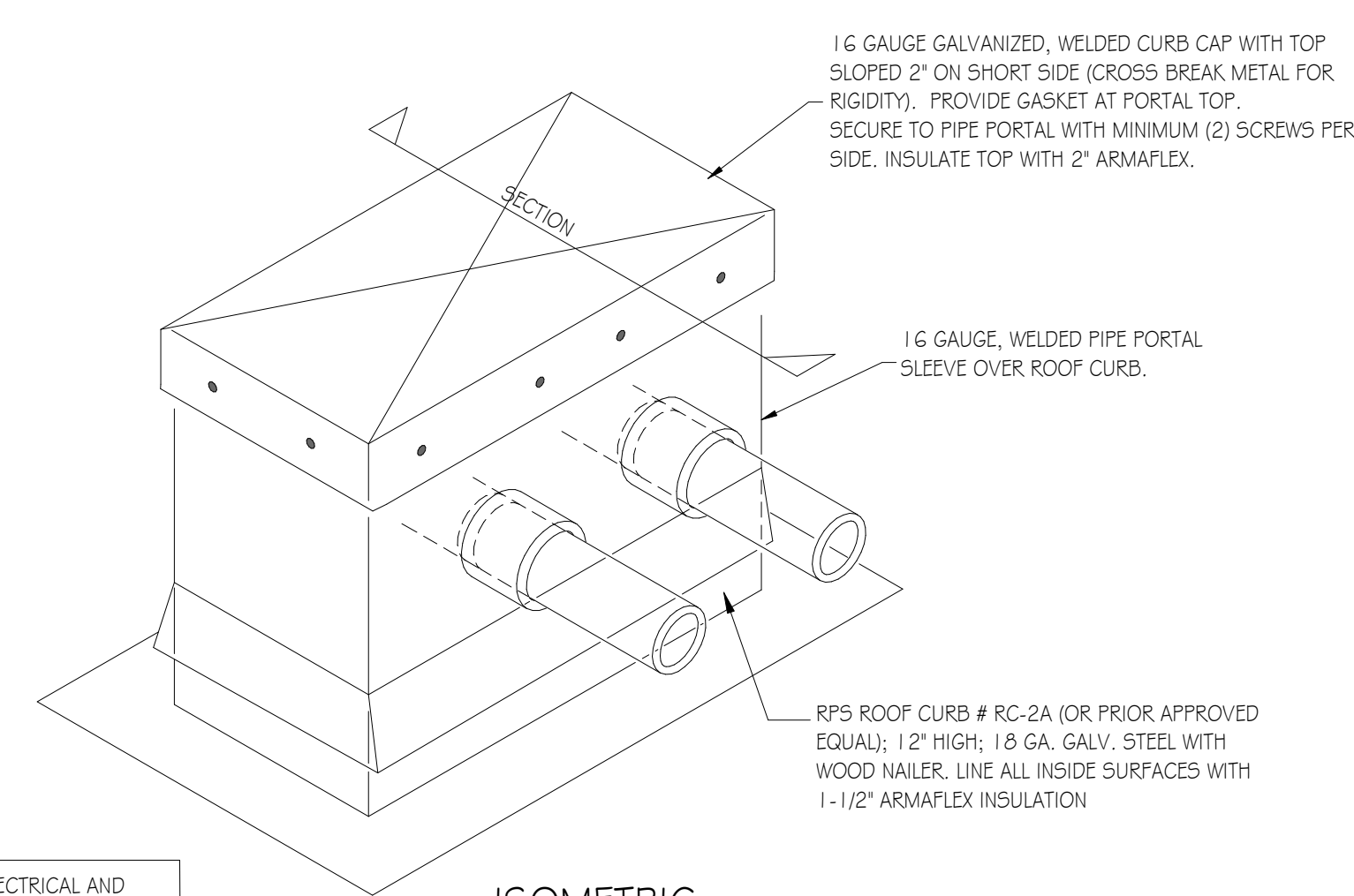


COOLING TOWER / HEAT EXCHANGER PIPING SCHEMATIC
NO SCALE



- NOTES:**
- COORDINATE LOCATIONS FOR POWER/CONTROLS CONDUIT OPENINGS WITH ELECTRICAL AND CONTROLS CONTRACTORS.
 - ELECTRICAL AND CONTROLS CONDUIT MAY PENETRATE PIPE PORTAL USING A LIQUIDTIGHT FITTING IN LIEU OF 1.0 GAUGE METAL SLEEVE.
 - ALL WELDS SHALL BE COATED WITH A GALVANIZED FINISH.

ROOF PIPE PENETRATION DETAIL
NO SCALE



ISOMETRIC

COOLING TOWER SCHEDULE									
TAG	GPM	FWT (°F)	LWT (°F)	NET SLES TEMP (°F)	FAN MOTOR HP	BASIN HEATER KW	VOLTAGE	MFR & MODEL	REMARKS
CT-D1	232	97.0	84.0	78.0	2	208/3	10	208/3	BAC #XES15E

REMARKS: COOLING TOWER IS PRE-PURCHASED BY OWNER. (1) PROVIDE WITH NEW VARIABLE SPEED DRIVE

HEAT EXCHANGER SCHEDULE										
TAG	HEAT PUMP SIDE				COOLING TOWER SIDE				MFR & MODEL	REMARKS
	GPM	FWT (°F)	LWT (°F)	ΔP	GPM	FWT (°F)	LWT (°F)	ΔP		
HX-EX1	230	103.0	90.0	5.0 PSI	230	84.0	97.0	5.0	EXISTING	

REMARKS: EXISTING HEAT EXCHANGER IS TO BE RELOCATED FROM CAFETERIA MECHANICAL ROOM.

PUMP SCHEDULE										
TAG	SERVICE	ORIGINAL DESIGN GPM	T&B GPM	ORIGINAL DESIGN HEAD (FT)	TYPE	MOTOR HP	ELECT.	RFM	MFR & MODEL	REMARKS
P-EX1	COOLING TOWER	450	230	35	CENTRIFUGAL, BASE MOUNTED	75	208/3	--	EXISTING	(A) (B)

NOTE: EXISTING PUMP RELOCATED FROM COOLING TOWER BY FOOTBALL FIELD. SEE HVAC PLANS. REMARKS: (A) BALANCING VALVE TO BE THROTTLED TO T&B GPM. (B) PROVIDE WITH MOTOR STARTER.

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- 20A, 125V, 2P, 3W, NEMA 5-20R, TAMPER RESISTANT DUPLEX RECEPTACLE MTD. 18" ABOVE FLOOR UNLESS NOTED OTHERWISE.
- SAME AS DUPLEX RECEPTACLE ABOVE EXCEPT QUADRUPLUX TYPE.
- 480/277V ELECTRICAL PANEL MOUNTING AS INDICATED. COORDINATE EXACT LOCATION IN FIELD.
- 208/120V ELECTRICAL PANEL MOUNTING AS INDICATED. COORDINATE EXACT LOCATION IN FIELD.
- DRY TYPE TRANSFORMER WITH NEMA 1 ENCLOSURE UNLESS NOTED OTHERWISE. SEE TRANSFORMER SCHEDULE FOR MORE DETAILS.
- SAFETY DISCONNECT SWITCH. "30" INDICATES AMP RATING, 2 INDICATES NUMBER OF POLES, "F" INDICATES FUSED, "NF" INDICATES NON-FUSED. ENCLOSURE TO BE NEMA 1 UNLESS NOTED OTHERWISE (OR 4X, ETC.). FUSE PER MANUFACTURERS RECOMMENDATIONS. DASHED AREA INDICATES AREA OF CLEARANCE.
- COMBINATION STARTER/SAFETY DISCONNECT SWITCH. SAME NOMENCLATURE APPLIES AS SHOWN ON DISCONNECT SWITCH. STARTER SHALL BE SIZE 1, UNLESS NOTED OTHERWISE. PROVIDE WITH H-O-A SWITCH WITH AUXILIARY CONTACTS. FUSE PER MANUFACTURERS RECOMMENDATIONS. DASHED AREA INDICATES AREA OF CLEARANCE.
- MANUAL MOTOR STARTER WITH OVERLOADS (TOGGLE TYPE). PROVIDE NEMA 3R TYPE IF EXPOSED TO WEATHER. 20A UNLESS NOTED OTHERWISE.
- LOCAL 120V TOGGLE TYPE EQUIPMENT DISCONNECT. RATED 20A, UNLESS NOTED OTHERWISE.

- HOMERUN TO ELECTRICAL PANEL. HOMERUN NOTE (A-7) INDICATES PANEL DESIGNATION AND RELATIVE CIRCUIT NUMBER, UNLESS NOTED OTHERWISE. CONDUCTORS SHALL BE #12 AWG IN 3/4" CONDUIT. HATCH MARKS INDICATE THE QUANTITY OF CONDUCTORS REQUIRED. SHORT HATCH MARKS REPRESENT HOT CONDUCTORS OR SWITCHES. LONG HATCH MARKS REPRESENT THE NEUTRAL CONDUCTOR. ALL BRANCH CIRCUITS SHALL CONTAIN A #12 INSULATED GREEN GROUND CONDUCTOR. PROVIDE ALL WIRING REQUIRED TO ACCOMPLISH CIRCUITRY AS INDICATED. NO HATCH MARKS INDICATE 2#12, #12G-3/4".
- BRANCH CIRCUIT WIRING CONCEALED IN WALL OR CEILING SPACE.
- BRANCH CIRCUIT WIRING CONCEALED IN FLOOR OR UNDERGROUND.
- CONDUIT RUN TURNED DOWN OR AWAY FROM OBSERVER.
- CONDUIT RUN TURNED UP OR TOWARDS OBSERVER.
- CAPPED CONDUIT.
- FLEXIBLE CONNECTION TO EQUIPMENT.
- EXTERIOR HAND HOLE. SEE HAND HOLE DETAIL THIS SHEET.
- TELECOMMUNICATIONS GROUND BUS. SEE 'TGB' DETAIL THIS SHEET.

- SPECIFIED TECHNOLOGIES EZ-PATH FOUR GANG EZDP433GK-C W/ (8) RADIUS CONTROL MODULES (RCM33) FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE REQUIRED EXTENSION KIT FOR WALLS THAT EXCEED LENGTH OF EZ-PATH.
- EXISTING FIRE ALARM CONTROL PANEL.
- FIRE ALARM NOTIFICATION APPLIANCE PANEL CONNECTED TO EXISTING SYSTEM.
- FIRE ALARM PULL STATION MOUNTED AT 48" AFF (TOP OF BOX) CONNECTED TO EXISTING SYSTEM.
- FIRE ALARM VOICE/STROBE UNIT MOUNTED AT 82" AFF CONNECTED TO EXISTING SYSTEM.
- FIRE ALARM CEILING MOUNTED SMOKE DETECTOR CONNECTED TO EXISTING SYSTEM.

- SEE SPECIAL SYSTEMS DETAILS (ES10) AND DATA AND INTERCOM DETAILS (ES11) FOR ADDITIONAL INFORMATION ON ALL LOW VOLTAGE DEVICES BELOW. ALL DEVICES, EQUIPMENT, AND CABLING FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTORS. SPECIAL SYSTEMS INSTALLER.
- DATA OUTLET 18" AFF. UNO. DUAL GANG JUNCTION BOX WITH SINGLE GANG PLASTER RING, COVERPLATE, AND QUANTITY OF PLENUM RATED CAT 6 DATA CABLE(S) (BLUE JACKET) TERMINATED ONTO DATA JACK(S) AND ROUTED IN 3/4" CONDUIT TO CORRIDOR. CABLING SHALL ROUTE VIA J-HOOKS (3" ON CENTER) AND TERMINATE ONTO LOCAL DATA CLOSET PATCH PANEL. "F" INDICATES QUANTITY OF CABLES AND JACKS. IF NUMBER IS NOT PRESENT ASSUME (1) CAT 6 CABLE FOR DATA. "ACH" INDICATES 4" ABOVE COUNTER HEIGHT. RACEWAY, JACKS, CABLING, COVER PLATE, AND ALL TERMINATIONS BY ELECTRICAL CONTRACTORS SPECIAL SYSTEMS INSTALLER.
- SAME AS DATA OUTLET ABOVE EXCEPT (1) CABLE FOR PHONE AND (1) CABLE FOR DATA.

- CEILING MOUNTED WIRELESS ACCESS POINT. "E" INDICATES EXISTING TO REMAIN. PROVIDE (1) PLENUM RATED CAT 6 DATA CABLE (PURPLE JACKET) TERMINATED ONTO CAT 6 DATA JACK AND ROUTED IN 3/4" CONDUIT TO CORRIDOR. CABLING SHALL ROUTE VIA J-HOOKS (3" ON CENTER) AND TERMINATE ONTO LOCAL DATA CLOSET PATCH PANEL. RACEWAY, DATA JACK, CABLE, COVER PLATE, AND ALL TERMINATIONS BY ELECTRICAL CONTRACTORS SPECIAL SYSTEMS INSTALLER.
- PAGING SPEAKER (COMPATIBLE WITH EXISTING INTERCOM SYSTEM). "E" INDICATES EXISTING TO REMAIN. PROVIDE NEW 18 AWG, 1 PAIR, PLENUM RATED CABLING FROM LOCAL IDF TO EACH EXISTING SPEAKER. PROVIDE ALL CONNECTIONS REQUIRED.
- CARD READER (PAXTON MULLION READER 345-220-US-P50M) 48" AFF. UNO. PROVIDE DUAL GANG JUNCTION BOX WITH SINGLE GANG PLASTER RING AND 3/4" CONDUIT TO WIRE BASKET TRAY WITH END BUSHING. "E" INDICATES EXISTING TO REMAIN.
- CARD ACCESS CONTROL PANEL (PAXTON 682-690-US).
- PASSIVE INFRARED DETECTOR (HONEYWELL DT8050A-SN). PROVIDE 18 AWG, 1 PAIR, PLENUM RATED CABLING FROM EXISTING SECURITY PANEL TO EACH DEVICE. PROVIDE ALL CONNECTIONS REQUIRED.

- CLOSED CIRCUIT TELEVISION SECURITY CAMERA MOUNTED ON CEILING AND/OR WALL. DUAL GANG JUNCTION BOX WITH SINGLE GANG PLASTER RING MOUNTED ABOVE CEILING ADJACENT TO CAMERA LOCATION. COVERPLATE AND (1) CAT 6 DATA CABLE TERMINATED ONTO DATA JACK AND ROUTED IN 3/4" CONDUIT TO CORRIDOR. CABLE SHALL ROUTE VIA J-HOOKS (3" ON CENTER) AND TERMINATE ONTO LOCAL PATCH PANEL. CAMERA PROVIDED AND INSTALLED BY SCHOOL DISTRICTS SPECIAL SYSTEMS INSTALLER. RACEWAY, DATA JACK, CABLING, COVER PLATE, AND ALL TERMINATIONS BY ELECTRICAL CONTRACTOR. VERIFY EXACT LOCATIONS WITH SCHOOL DISTRICTS INFORMATION TECHNOLOGY DIRECTOR PRIOR TO ROUGH-IN. "WP" INDICATES WEATHER-PROOF.

- NEW UTILITY METER (COORDINATE W/ UTILITY COMPANY)
- NEW CT CAN
- NEW MDP
- PANEL "A1"
- PANEL "B1"
- PANEL "C"
- PANEL "A2"
- PANEL "B2"

1 SYMBOL LEGEND-DEMOLITION PHASE

12" = 1'-0"

1. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO SHOW APPROXIMATE LOCATIONS. ELECTRICAL WORK SHALL NOT INTERFERE WITH CLEARANCES REQUIRED FOR GENERAL AND MECHANICAL CONSTRUCTION. ANY CORRECTIONS WILL BE MADE BY THE ELECTRICAL CONTRACTOR AT NO COST TO THE OWNER.
2. ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE IBC AND THE NATIONAL ELECTRICAL CODE, LATEST EDITIONS, AND ALL APPLICABLE STATE AND LOCAL CODES. ALL WORK SHALL BE ACCOMPLISHED IN A NEAT AND PROFESSIONAL MANNER.
3. ALL MATERIALS SHALL BE NEW AND SHALL BEAR THE UL LABEL.
4. CONTRACTOR SHALL CONFIRM BRANCH CIRCUIT SIZING, LOCATIONS AND CONNECTION REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT PRIOR TO INSTALLATION. REFERENCE MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND VERIFICATION OF CIRCUIT SIZE. ANY ADJUSTMENTS REQUIRED SHALL BE MADE BY THE ELECTRICAL CONTRACTOR. SUBSTANTIAL CHANGES TO THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
5. ALL TERMINALS SHALL BE RATED FOR 75 DEGREES CELSIUS COPPER WIRE.

6. RECEPTACLES SHALL BE OF THE GROUNDING TYPE WITH GROUND CONNECTION MADE THROUGH AN EXTRA POLE WHICH SHALL BE PERMANENTLY CONNECTED TO THE RACEWAY AND GROUNDING SYSTEMS. COVERPLATES FOR ALL DEVICES TO BE STAINLESS STEEL (OVERSIZED). COLOR FOR ALL WIRING DEVICES TO BE COORDINATED WITH ARCHITECT.

7. LIGHTING FIXTURES SHALL BE FURNISHED COMPLETE IN ALL RESPECTS PER FIXTURE SCHEDULE. VERIFY CEILING FINISHES AND SUSPENSION SYSTEMS FOR SELECTION OF PROPER TRIM AND SUPPORT ARRANGEMENTS. INSTALL ALL LIGHT FIXTURES WITH LAMPS AS REQUIRED.

8. RECESSED FIXTURES MOUNTED IN GRID CEILING SHALL BE SECURELY FASTENED TO THE GRID BY A MECHANICAL MEANS THAT COMPLIES WITH REQUIREMENTS FOR SEISMIC EVENTS PER IBC 1621 AND ASCE 7. THE GRID SHALL BE ABLE TO SUPPORT THE WEIGHT OF THE FIXTURE, AND SHALL BE SECURED TO TRUE STRUCTURE AS REQUIRED. ALL EMERGENCY AND EXIT FIXTURES SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE BY A MECHANICAL MEANS THAT COMPLIES WITH THE SAME STIPULATIONS AS ABOVE.

9. ALL WIRING SHALL BE CONCEALED WHERE POSSIBLE AND INSTALLED IN SUITABLE RACEWAYS. EMT SHALL BE USED (3/4" MIN) FOR LIGHTING AND POWER BRANCH CIRCUITRY. EMT SHALL BE USED FOR EQUIPMENT FEEDERS. SCHEDULE 40 PVC SHALL BE USED UNDERGROUND.

10. OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE SEALED USING APPROVED MATERIALS AND METHODS TO MAINTAIN THE ORIGINAL FIRE-RESISTANCE RATING.

11. RECEPTACLES INSTALLED BACK TO BACK IN FIRE RATED WALLS SHALL BE A MINIMUM OF 24" APART AND SHALL NOT OCCUPY THE SAME STUD CAVITY.

12. DISCONNECT SWITCHES SHALL BE FURNISHED AS SHOWN ON THE DRAWINGS WITH VOLTAGE RATING, AMPERAGE RATING AND NUMBER OF POLES AS INDICATED. PROVIDE NEMA 3R TYPE WHERE EXPOSED TO WEATHER. PROVIDE HEAVY DUTY TYPE SWITCHES.

13. FUSES FOR FUSIBLE SWITCHES SHALL BE OF THE DUAL ELEMENT, REJECTION TYPE.

14. DISCONNECT SWITCHES SHALL HAVE EXTERNAL SWITCH HANDLE. SWITCH AND DOOR SHALL BE INTERLOCKED SUCH THAT THE DOOR CAN NOT BE OPENED UNLESS THE SWITCH IS IN THE OPENED POSITION.

15. ALL WIRE SHALL BE SINGLE CONDUCTOR STRANDED, COPPER SIZED AS INDICATED ON THE DRAWINGS. MINIMUM SIZE SHALL BE #12 AWG.

16. SOLID WIRE MAY BE USED FOR #12 AND #10 AWG WIRE USED ON LIGHTING FIXTURES, RECEPTACLES AND SWITCHES ONLY.

17. INSULATION OF WIRE SHALL BE 75 DEGREES CELSIUS (THHN, THWN), 600 VOLT.

18. UNLESS INDICATED ON THE DRAWINGS, ALL WIRING SHALL BE #12 AWG. CONTRACTOR SHALL CONFIRM AND ROUTE THE PROPER QUANTITY OF WIRES AND SIZE OF CONDUIT TO FIT THE APPLICATION AND THE CIRCUITRY INDICATED.

19. CONTRACTOR SHALL PROVIDE A PROPERLY SIZED, GREEN COLORED INSULATED GROUNDING CONDUCTOR IN ALL CONDUITS. THIS CONDUCTOR IS NOT INDICATED IN THE HATCH MARKS ON THE CONDUIT RUNS ON THE PLANS.

20. INSTALL A COMPLETE GROUNDING SYSTEM IN ACCORDANCE WITH NEC ARTICLE 250 AND THESE SPECIFICATIONS. GROUNDING SYSTEM SHALL BE ELECTRICALLY CONTINUOUS THROUGHOUT.

21. PANELBOARDS SHALL BE PROVIDED WITH DISTRIBUTIVE PHASING AND RATINGS AND BREAKER REQUIREMENTS AS PER SCHEDULES. LABEL ALL PANELS AND PROVIDE TYPEWRITTEN CIRCUIT DIRECTORIES.

22. THE SHORT CIRCUIT RATING OF ALL SERVICE EQUIPMENT AND PANELBOARDS SHALL BE NO LESS THAN THAT INDICATED ON THE PANEL SCHEDULES UNLESS BEFORE PURCHASING EQUIPMENT. THE ELECTRICAL CONTRACTOR CONTACTS THE LOCAL UTILITY COMPANY PROVIDING SERVICE AND OBTAIN IN WRITING THE MAXIMUM SHORT CIRCUIT CURRENT SUPPLIED TO THE SERVICE EQUIPMENT. ALL EQUIPMENT SHALL BE RATED AND COORDINATED TO NO LESS THAN THAT SUPPLIED.

23. TRANSFORMERS SHALL BE FLOOR MOUNTED. GENERAL PURPOSE DRY TYPE AND OF THE KVA RATING AS INDICATED ON THE PLANS. ALL SHALL BE VENTILATED, 150°C TEMP RISE, CORE AND COIL ASSEMBLIES MOUNTED ON RUBBER ISOLATION PADS TO MINIMIZE THE SOUND LEVEL. SQUARE "D" CALSUL 7410 SERIES OR EQUAL.

24. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE LOCAL POWER AND TELEPHONE UTILITY COMPANIES FOR ALL COST REQUIREMENTS AND METHODS FOR THE NEW SERVICES INDICATED. PROVIDE ALL MATERIALS AND LABOR AS DIRECTED BY THE LOCAL UTILITY SERVICES FOR A COMPLETE AND OPERABLE INSTALLATION.
25. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, CONDUIT, WIRE, AND FIXTURES NOT RE-USED IN THE RENOVATION OR INTERFERING WITH NEW CONSTRUCTION. PRIOR TO BIDDING, THE CONTRACTOR SHALL VISIT THE SITE TO EXAM THE EXISTING FACILITY TO BETTER UNDERSTAND THE EXTEND OF THE DEMOLITION AND EXISTING CONDITIONS.

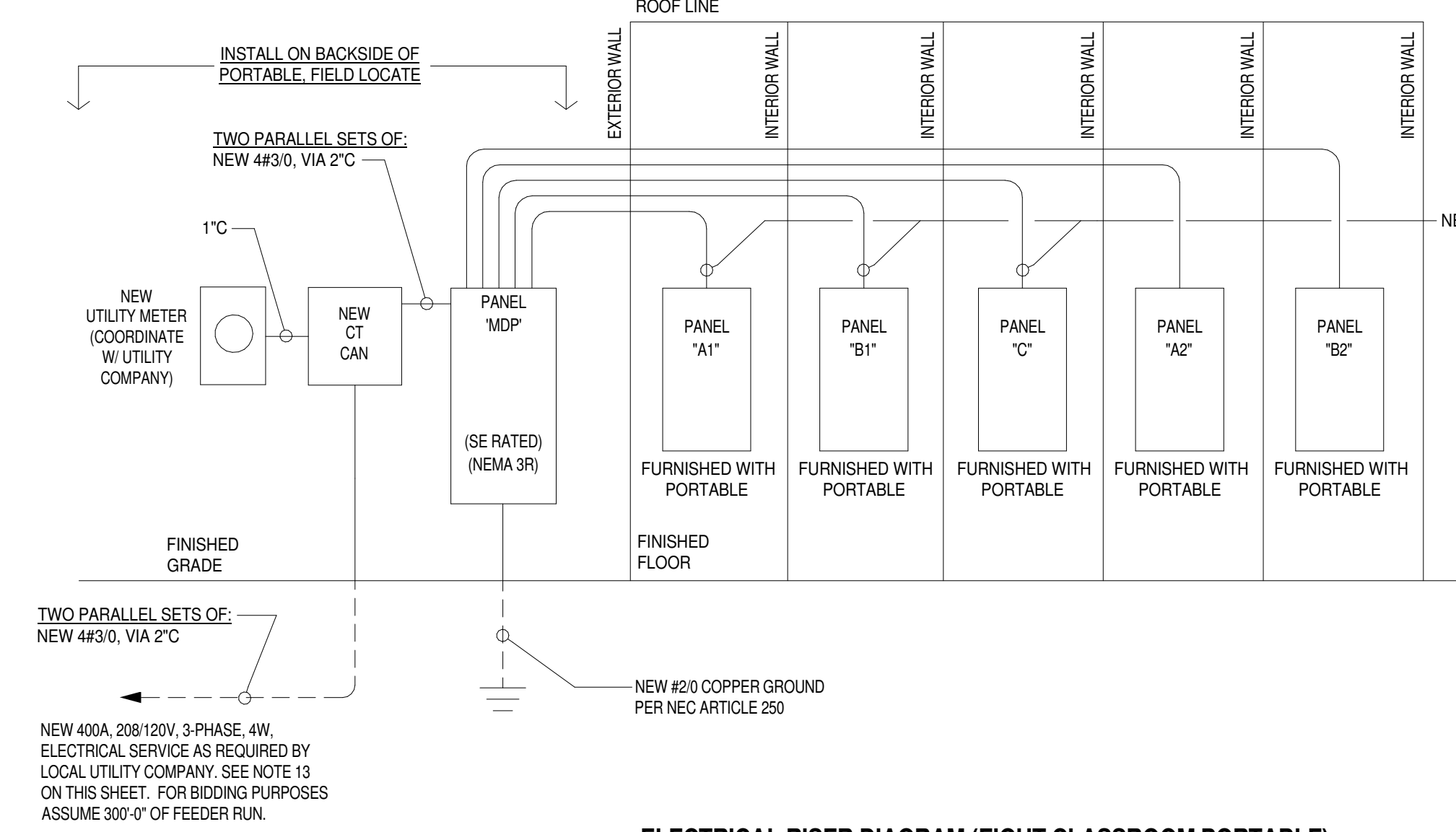
2 ELECTRICAL SPECIFICATIONS-DEMOLITION PHASE

12" = 1'-0"

PANELBOARD: MDP (NEW)				VOLTAGE: 208/120V, 3ϕ, 4W			
MOUNTING: SURFACE				MAINS: MCB		MIN. AIC RATING: 42,000A	
SQUARE "D": NEMA 3R/S, E, RATED				TRIP: 400A		FRAME: 400A	
LOAD	DESCRIPTION	CKT.	TRIP	TRIP CKT.	DESCRIPTION	LOAD	PHASE LOAD VA
12480	PANEL 'A1'	1	150	2	SPACE	12480	
12480	↓	3	↓	4	SPACE	12480	12480
12480	PANEL 'B1'	5	150	6	SPACE		12480
12480	↓	7	↓	8	SPACE	12480	
12480	PANEL 'C'	9	150	10	SPACE	12480	
12480	↓	11	↓	12	SPACE		12480
12480	PANEL 'A2'	13	150	14	SPACE	12480	
12480	↓	15	↓	16	SPACE	12480	12480
12480	PANEL 'B2'	17	150	18	SPACE		12480
12480	↓	19	↓	20	SPACE	12480	
	SPACE	21		22	SPACE		
	SPACE	23		24	SPACE		

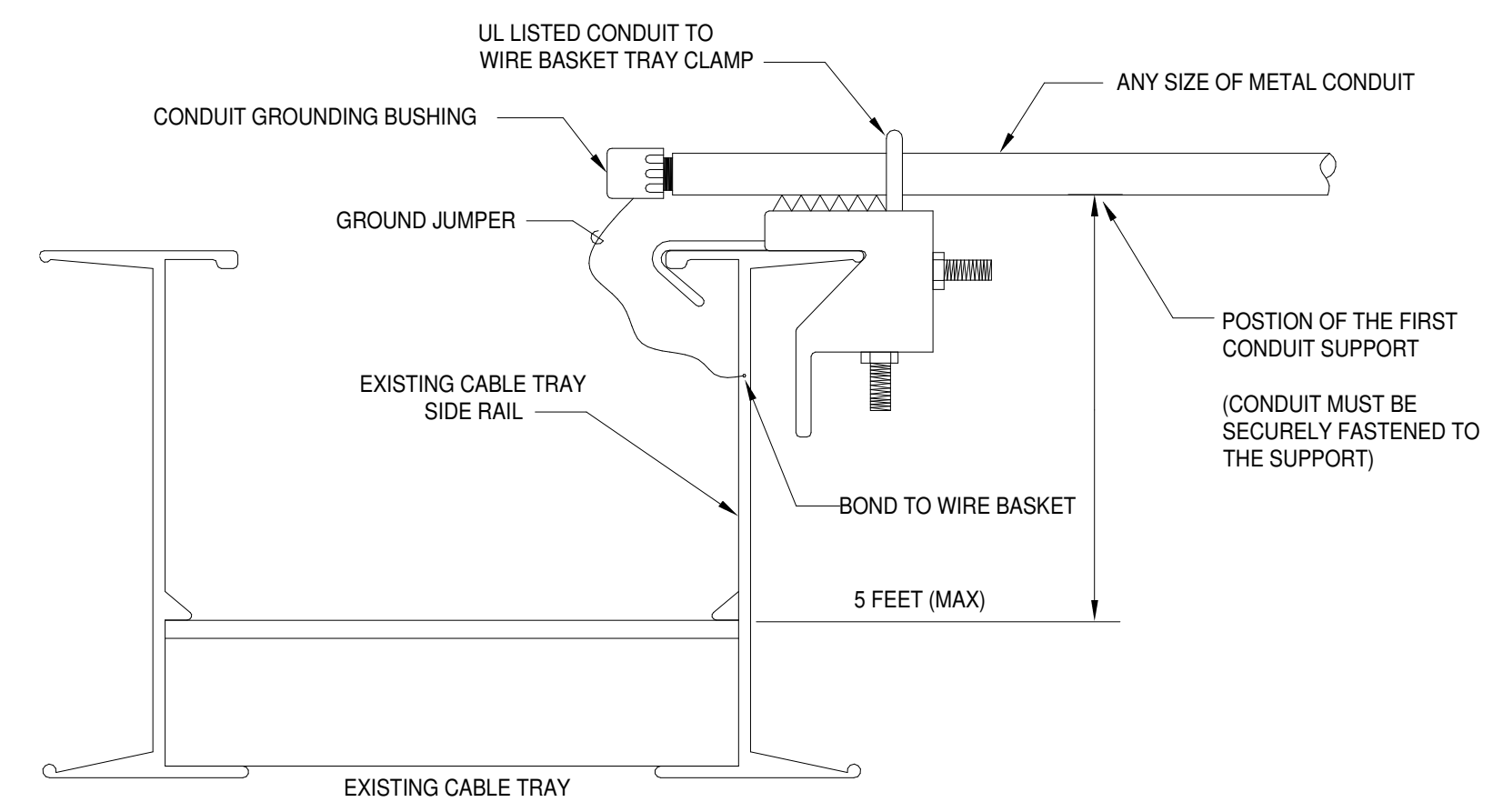
* 100% DUTY RATED.

TOTAL L1 49920
 TOTAL L2 37440
 TOTAL L3 37440
 TOTAL VA 124800
 347 AMPS CONNECTED @ 208V, 3PH



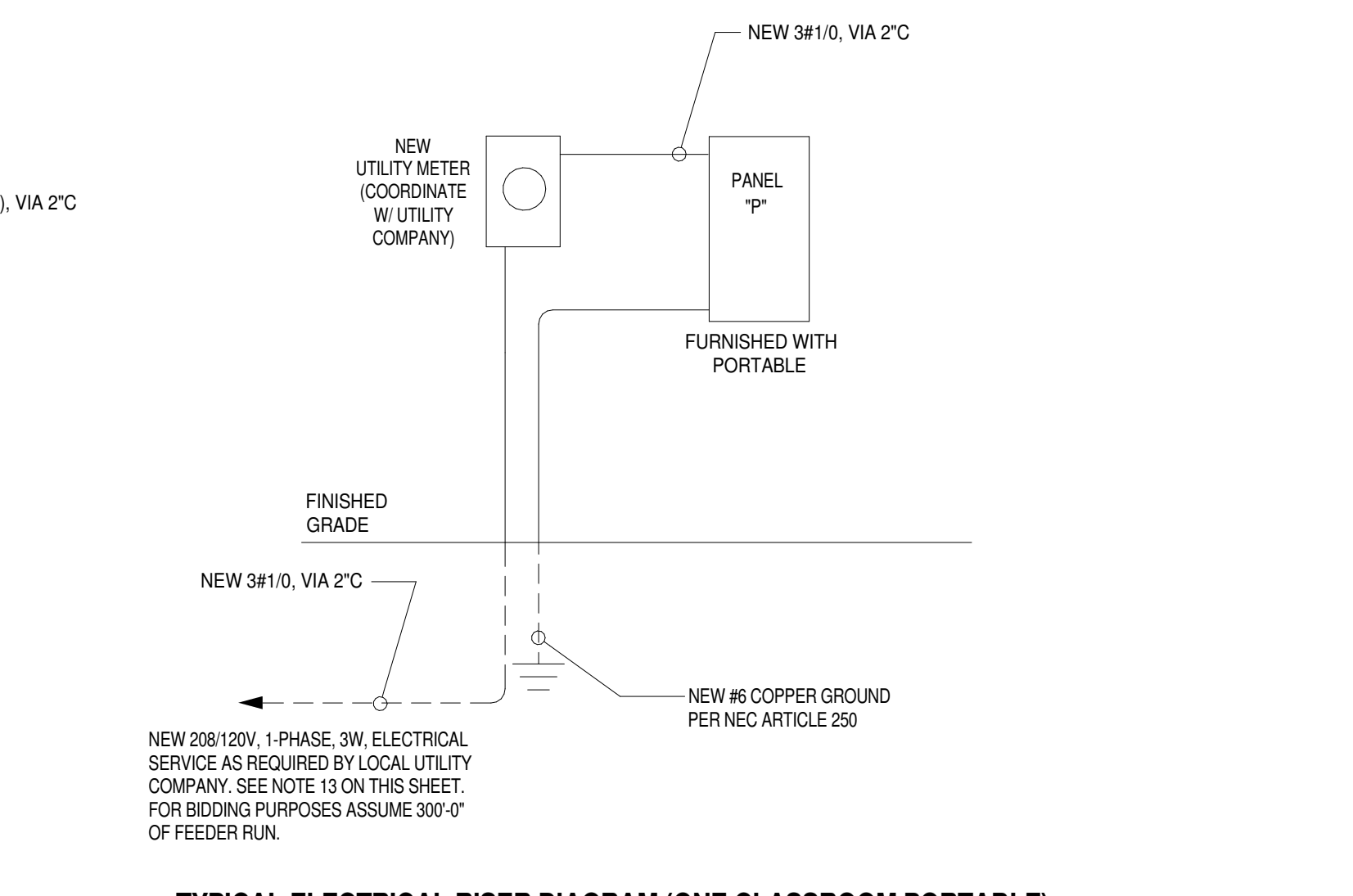
3 ELECTRICAL RISER DIAGRAM (EIGHT CLASSROOM PORTABLE)

12" = 1'-0"



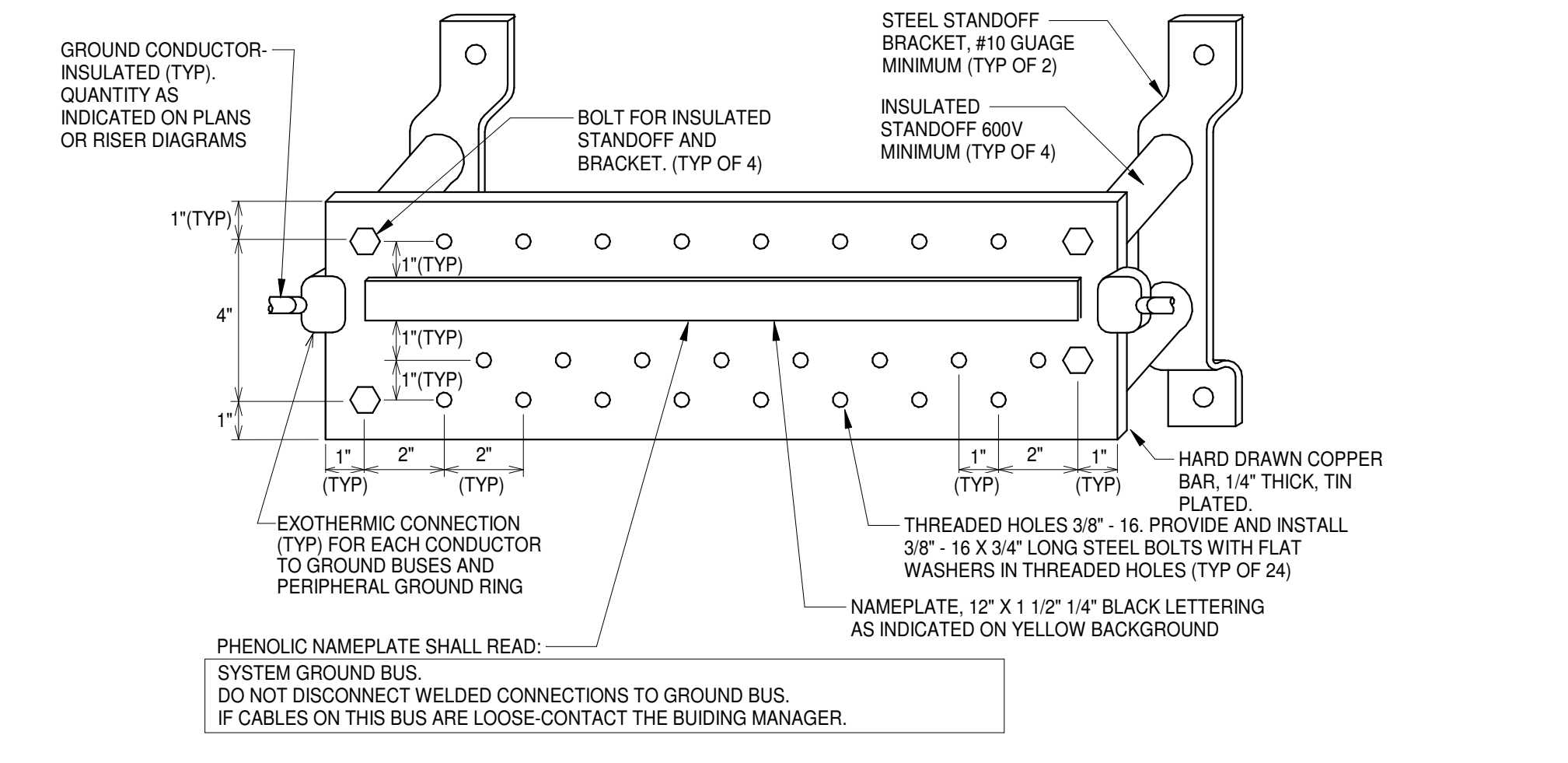
5 TYPICAL CONDUIT TERMINATION ON CABLE TRAY DETAIL

NOT TO SCALE



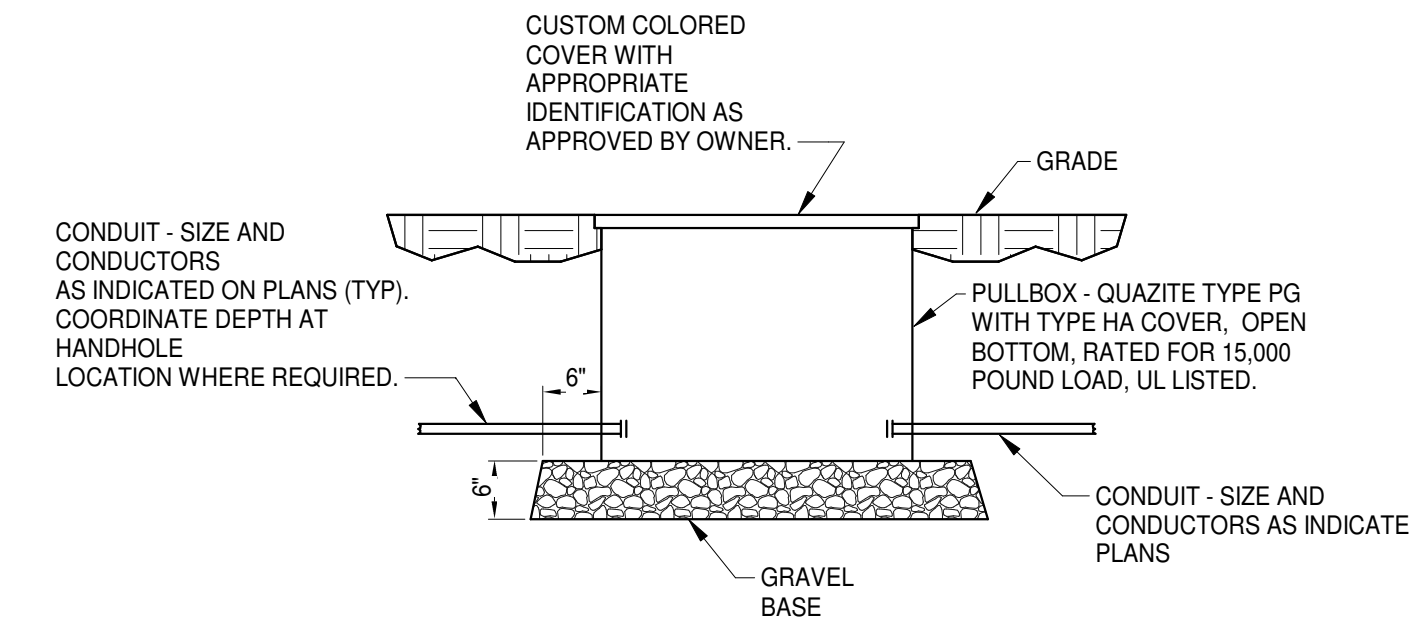
4 TYPICAL ELECTRICAL RISER DIAGRAM (ONE CLASSROOM PORTABLE)

NOT TO SCALE



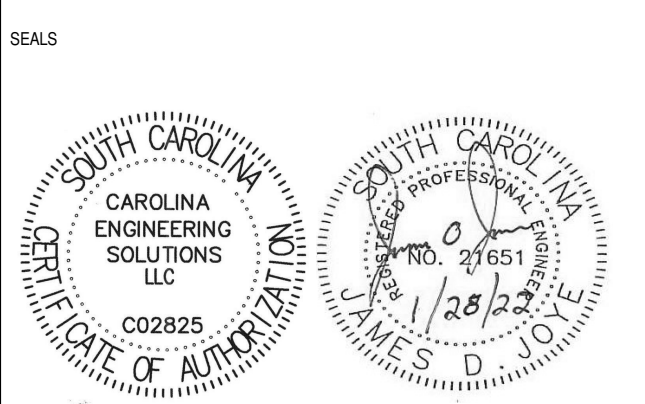
6 TELECOM GROUND BUS DETAIL FOR 'MGB' AND 'TGB'

12" = 1'-0"



7 HAND HOLE DETAIL

12" = 1'-0"



SPARTANBURG COUNTY SCHOOL DISTRICT FIVE
 JAMES F. BYRNES HIGH SCHOOL
 PHASE 2 ACADEMIC WING ADDITION
 150 E. MAIN STREET
 DUNCAN, SC 29504

SHEET ISSUE:				
NO.	DATE	DESCRIPTION	BY	
C	01/31/22	GMP DEMO SET	JDU	JDU

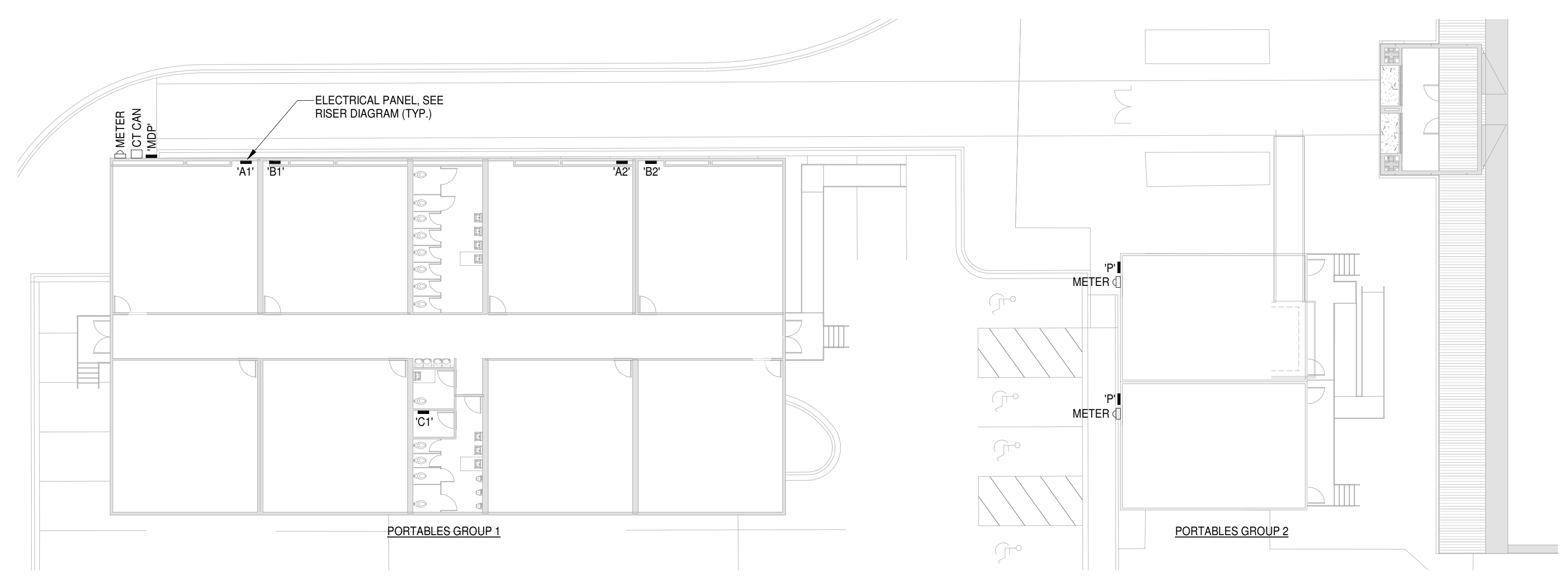
PRINCIPAL IN CHARGE: JDU
 PROJECT ENGINEER: JDU
 DRAWN BY: REALHO

ELECTRICAL SYMBOLS AND SPECIFICATIONS

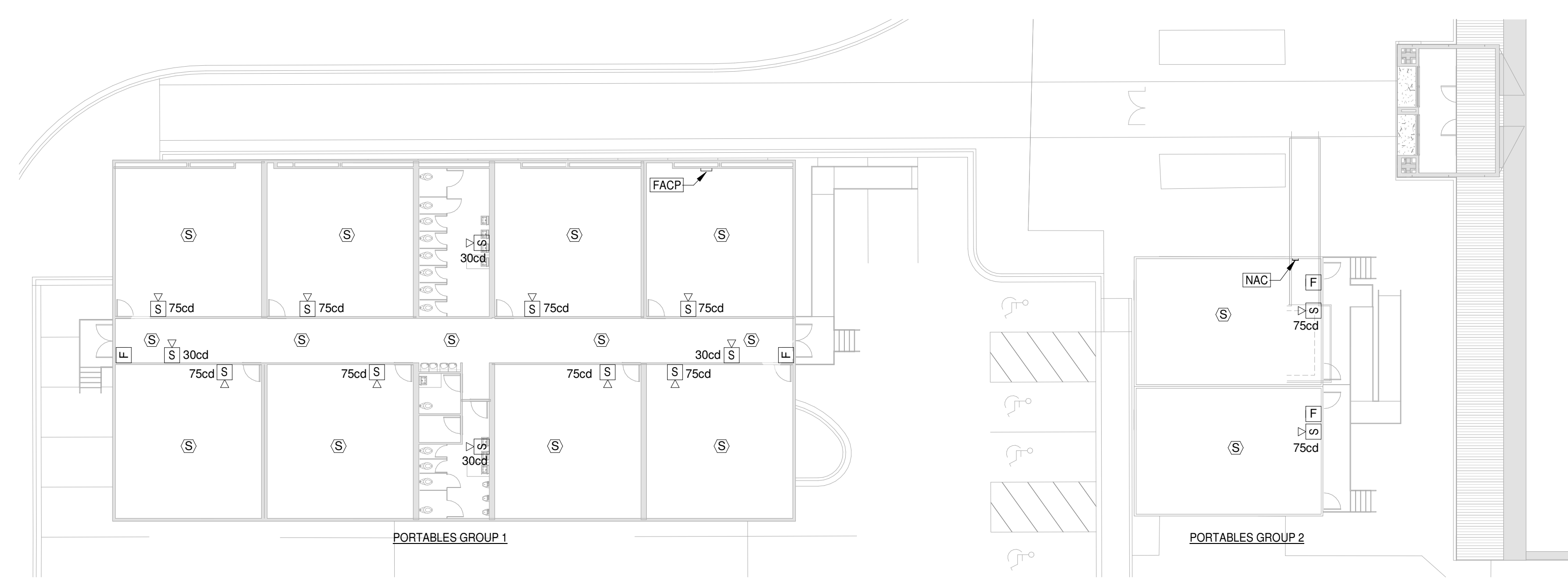
SHEET NO. PROJ. NO. 0240200

ED-101

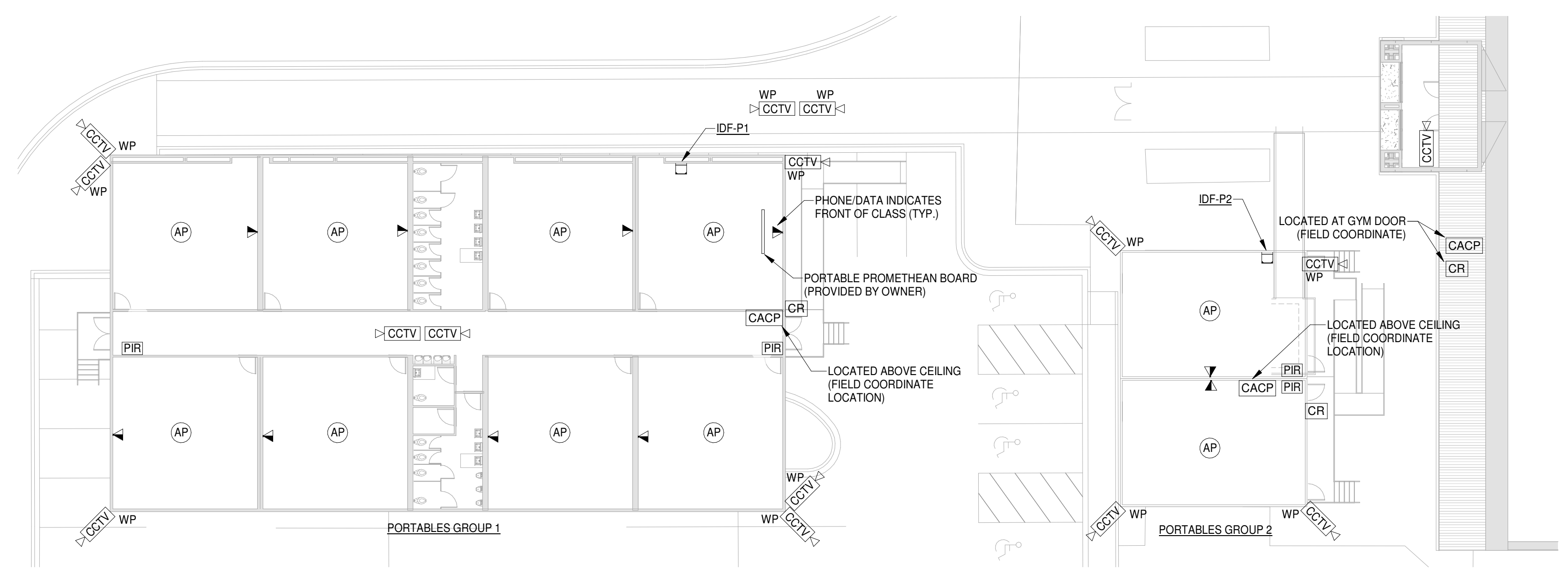
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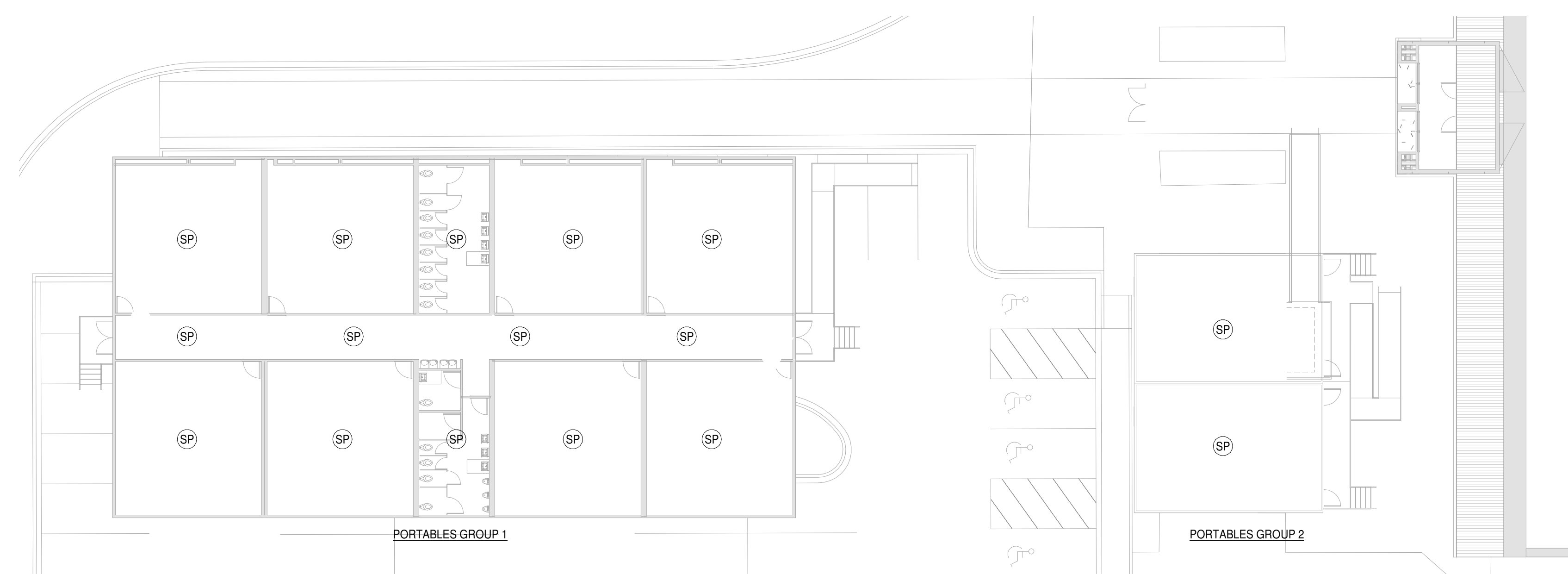
1 POWER - PORTABLES NEW WORK
1/16" = 1'-0"



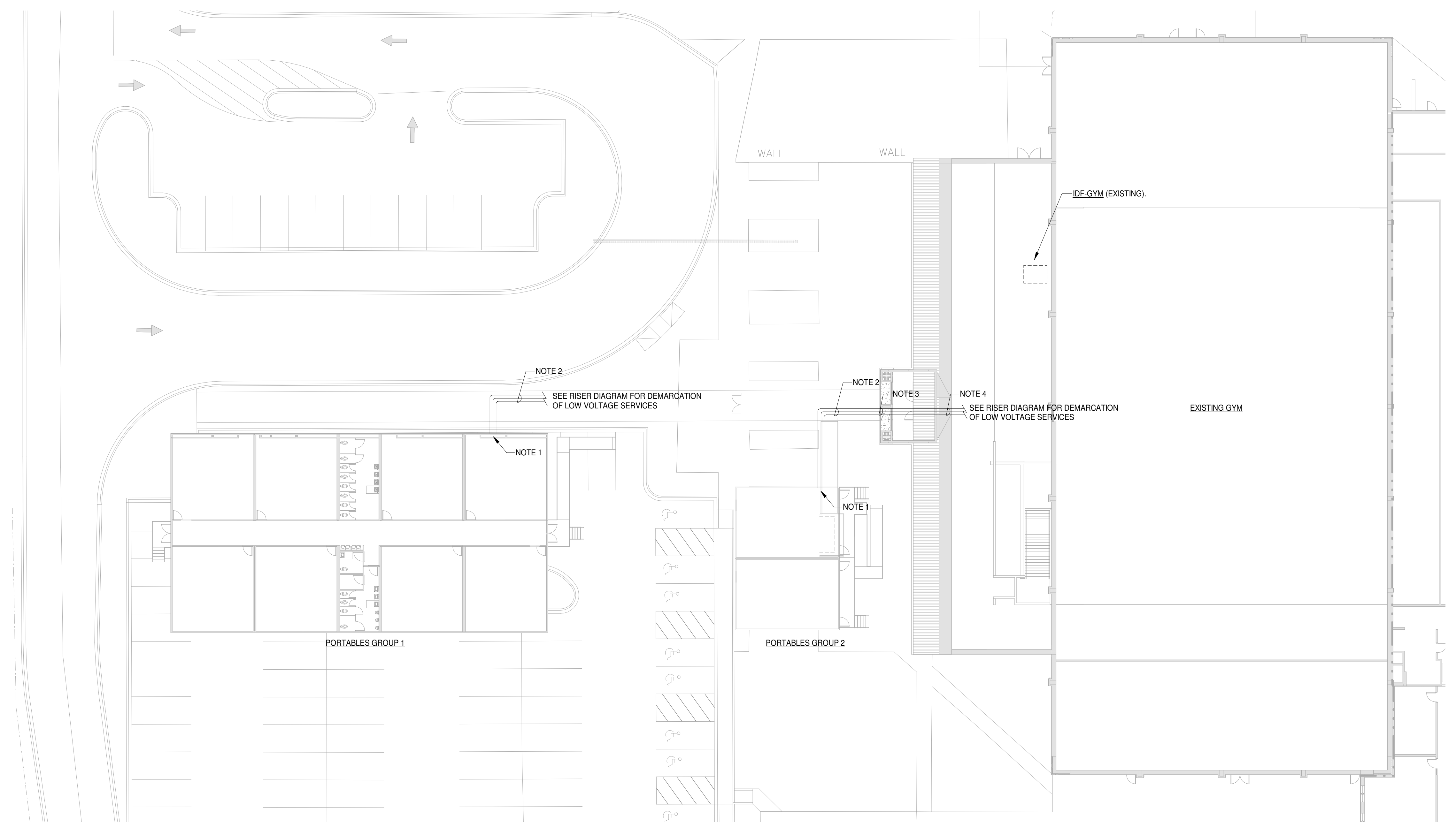
2 SPECIAL SYSTEMS - PORTABLES FIRE ALARM NEW WORK
1/16" = 1'-0"



3 SPECIAL SYSTEMS - PORTABLES DATA SYSTEMS NEW WORK
1/16" = 1'-0"



4 SPECIAL SYSTEMS - PORTABLES INTERCOM SYSTEM NEW WORK
1/16" = 1'-0"



5 PORTABLES - PARTIAL OVERALL ELECTRICAL PLAN
1" = 20'-0"

SPARTANBURG COUNTY SCHOOL DISTRICT FIVE
JAMES F. BYRNES HIGH SCHOOL
PHASE 2 ACADEMIC WING ADDITION
150 E. MAIN STREET
DUNCAN, SC 29504

SHEET ISSUE:

NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	JDJ

PRINCIPAL IN ENGINEER: JDJ
PROJECT ENGINEER: JDJ
DRAWN BY: REALHO

SHEET TITLE:
PORTABLES
ELECTRICAL PLAN

SHEET NO. PROJ. NO.
020420.00

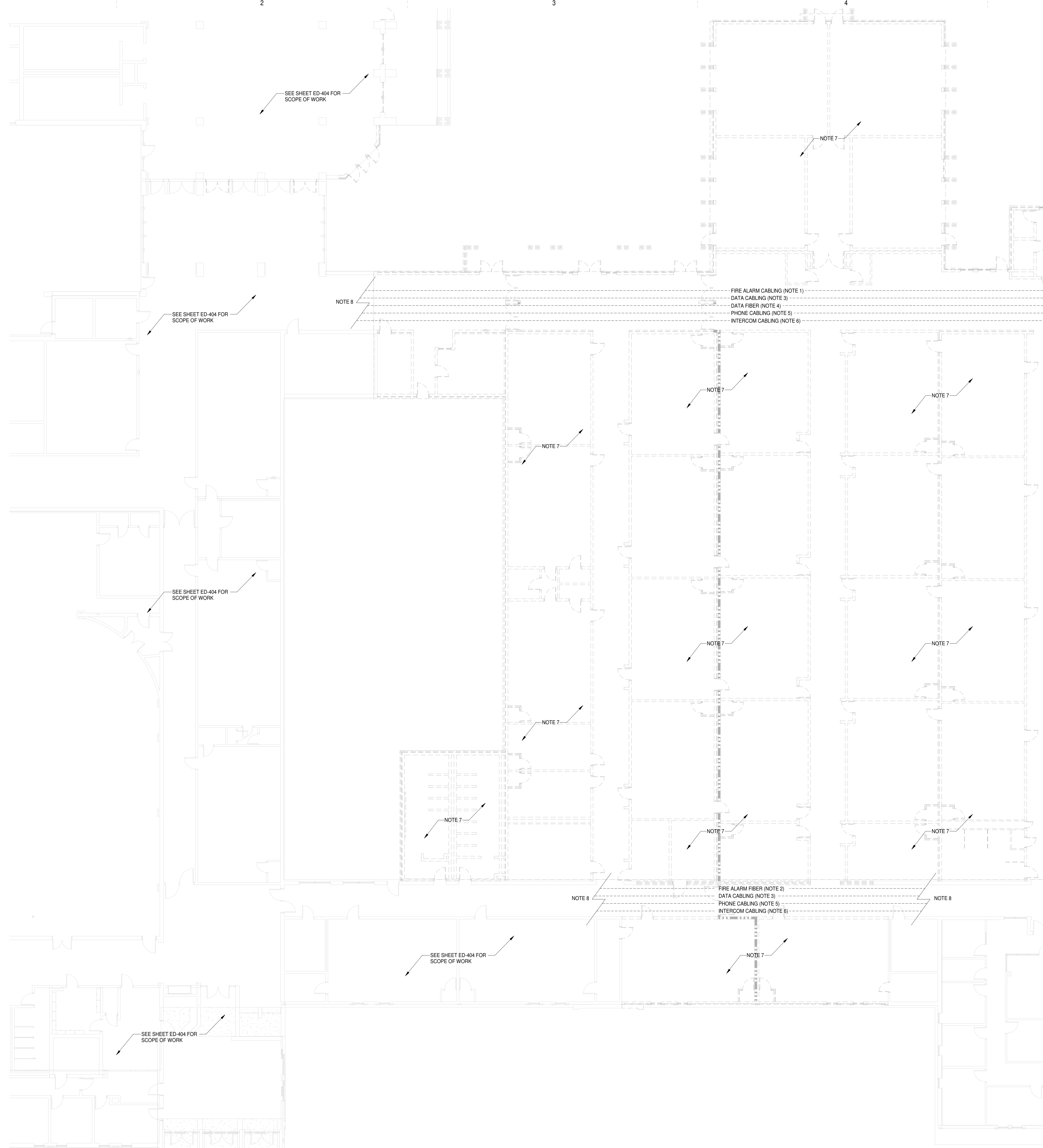
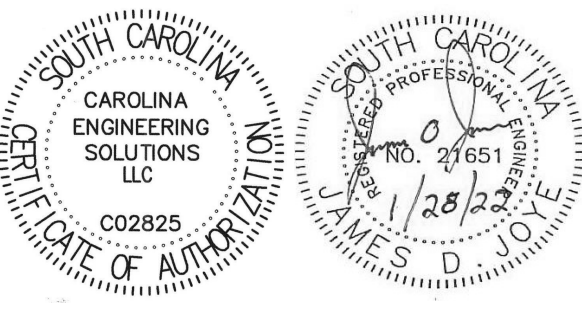
ED-201

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ELECTRICAL PLAN NOTES:

- COORDINATE WITH PORTABLE CLASSROOM INSTALLER FOR POINT OF ENTRY FOR FIRE ALARM, TELECOMMUNICATIONS AND INTERCOMING SYSTEMS PRIOR TO PERFORMING ANY WORK, TYPICAL.
- ROUTE CONDUITS UNDER EXISTING CANOPY. COORDINATE WITH EXISTING CONDITIONS AND ADJUST ROUTING AS REQUIRED. COORDINATE SIZE AND QUANTITY OF CONDUITS REQUIRED FOR FIRE ALARM, TELECOMMUNICATIONS AND INTERCOM PORTABLES WITH SPECIAL SYSTEMS CONTRACTOR PRIOR TO ROUGH-IN.
- APPROXIMATE LOCATION OF ENTRY POINT TO THE EXISTING BUILDING FOR FIRE ALARM, TELECOMMUNICATIONS AND INTERCOMING SYSTEM CONDUITS. FIELD COORDINATE WITH SCHOOLS REPRESENTATIVE PRIOR TO PERFORMING ANY WORK. SEE RISER DIAGRAMS FOR ADDITIONAL INFORMATION. AREAS WHERE CONDUIT IS UNABLE TO BE CONCEALED ABOVE CEILING. PAINT CONDUITS TO MATCH EXISTING EXTERIOR WALL/CEILING COLOR (AS IT APPLIES).
- ROUTE CONDUITS ABOVE EXISTING CEILING TO DEMARCATION. COORDINATE WITH EXISTING FIELD CONDITIONS. FIRE ALARM WIRING TO REMAIN IN CONDUIT THE ENTIRE LENGTH OF RUN TO FACP LOCATED IN LOWER LEVEL MDF (SEE SHEET ED-408).
- CEILING TILES AND OR DRYWALL DAMAGED DURING INSTALLATION TO BE REPAIRED AND PAINTED.

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SPECIAL SYSTEMS DEMOLITION NOTES:

- PRIOR TO DEMOLITION OF ANY LOW VOLTAGE SYSTEMS, COORDINATE WITH SCHOOL DISTRICT INFORMATION TECHNOLOGY DIRECTOR. NO DEMOLITION SHALL OCCUR UNTIL ALL EXISTING FIRE, DATA, INTERCOM, PHONE, AND SECURITY SYSTEMS HAVE BEEN RE-ROUTED AND OPERATIONAL. SEE ARCHITECT'S PLANS FOR PHASING.
1. EXISTING FIRE ALARM CABLE(S) TO BE REMOVED.
 2. EXISTING FIRE ALARM FIBER TO BE REMOVED.
 3. EXISTING DATA CABLE(S) TO BE REMOVED.
 4. EXISTING DATA FIBER TO BE REMOVED.
 5. EXISTING TELEPHONE TRUNK CABLE(S) TO BE REMOVED.
 6. EXISTING INTERCOM TRUNK CABLE(S) TO BE REMOVED.
 7. AREA OF DEMOLITION: COORDINATE WITH SCHOOL DISTRICT FOR ANY EQUIPMENT TO BE RETURNED TO OWNER.
 8. ENSURE ALL EXISTING SYSTEMS CABLING IS CUT FREE PRIOR TO DEMOLITION OF BUILDING.

SPARTANBURG COUNTY SCHOOL DISTRICT FIVE
JAMES F. BYRNES HIGH SCHOOL
PHASE 2 ACADEMIC WING ADDITION
150 E. MAIN STREET
DUNCAN, SC 29504

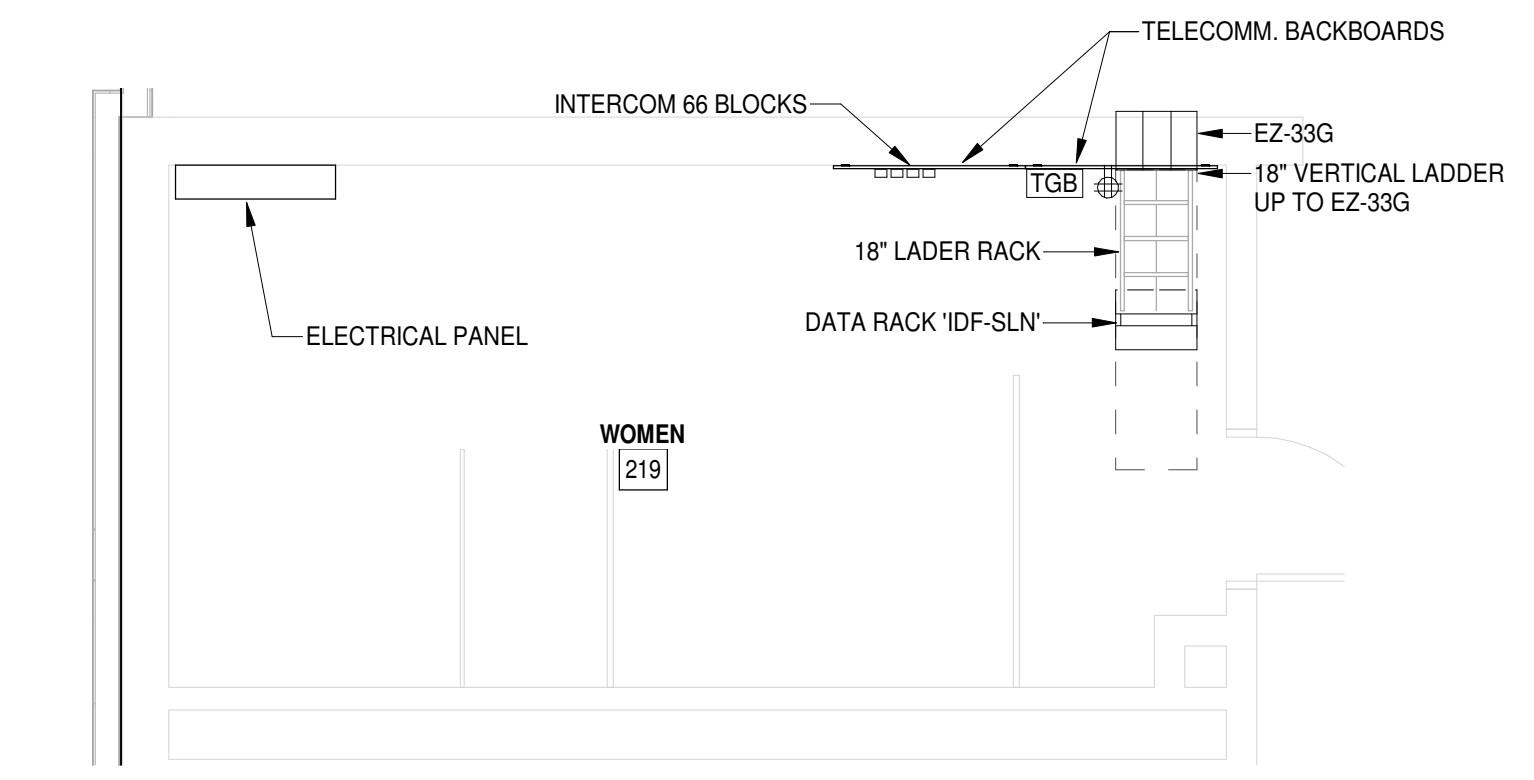
SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	JDJ

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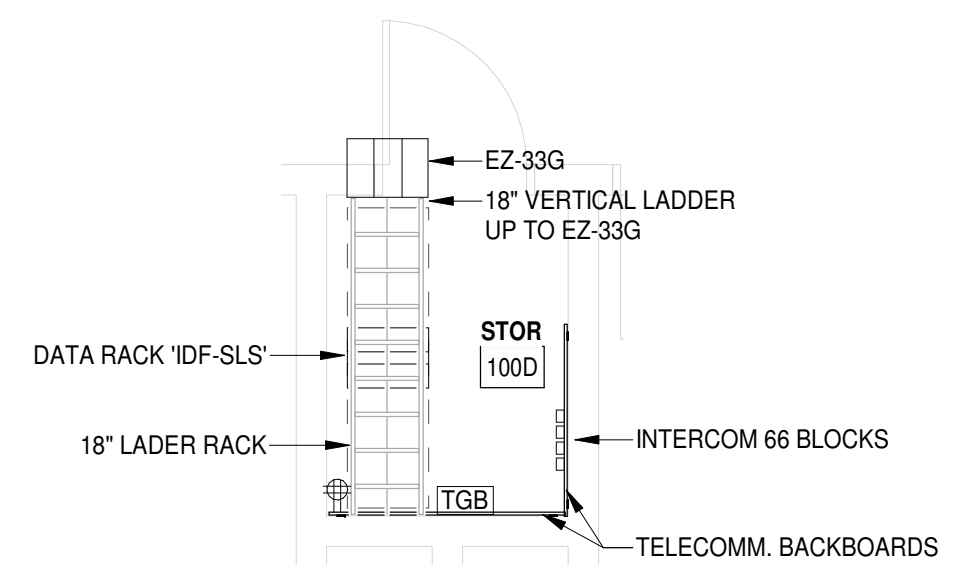
PRINCIPAL IN ENGINEER: JDJ
PROJECT ENGINEER: JDJ
DRAWN BY: LHO

SHEET TITLE:
**SPECIAL SYSTEMS
DEMOLITION
PLAN-WEST**

SHEET NO. PROJ. NO.
020420.00



② ENLARGED ELECTRICAL & DATA ROOM
1/4" = 1'-0"



③ ENLARGED IDF CLOSET
1/4" = 1'-0"

SPECIAL SYSTEMS PLAN NOTES:

SEE OVERALL SITE DATA, FIRE ALARM, AND INTERCOM PLANS FOR ADDITIONAL SCOPE ITEMS NOT IDENTIFIED ON THIS SET OF PLANS.

1. ALLOW FOR (3) DATA DROPS PER CLASSROOM. COORDINATE EXACT LOCATION W/ SCHOOL DISTRICT IT DIRECTOR. LOCATE DATA OUTLET WITHIN 12" OF EXISTING RECEPTACLE.
2. ALLOW FOR (2) DATA DROPS PER OFFICE/WORK ROOM. COORDINATE EXACT LOCATION W/ SCHOOL DISTRICT IT DIRECTOR. LOCATE DATA OUTLET WITHIN 12" OF EXISTING RECEPTACLE.
3. ALLOW FOR EXISTING INTERCOM SPEAKERS TO BE RE-WIRED BACK TO LOCAL DATA CLOSET PUNCH-DOWN BLOCKS. PROVIDE J-HOOKS 3'-0" OC FOR SUPPORTING CABLE PATH. FIELD COORDINATE EXACT QUANTITY OF SPEAKERS TO BE RE-WIRED.
4. ALLOW FOR (1) NEW DATA DROP TO RE-FEED EXISTING ACCESS POINT.
5. EXISTING RELOCATED FIRE ALARM CONTROL PANEL (SIMPLEX 4020). FIELD COORDINATE LOCATION. PROVIDE ALL MATERIAL AND LABOR TO RELOCATE PANEL. SEE SHEETS ED-407, ED-408, AND ED-511 FOR ADDITIONAL DETAILS. ALLOW FOR THE RE-FEEDING OF EXISTING FIRE ALARM DEVICES AS REQUIRED.

SPARTANBURG COUNTY SCHOOL DISTRICT FIVE
 JAMES F. BYRNES HIGH SCHOOL
 PHASE 2 ACADEMIC WING ADDITION
 150 E. MAIN STREET
 DUNCAN, SC 29504

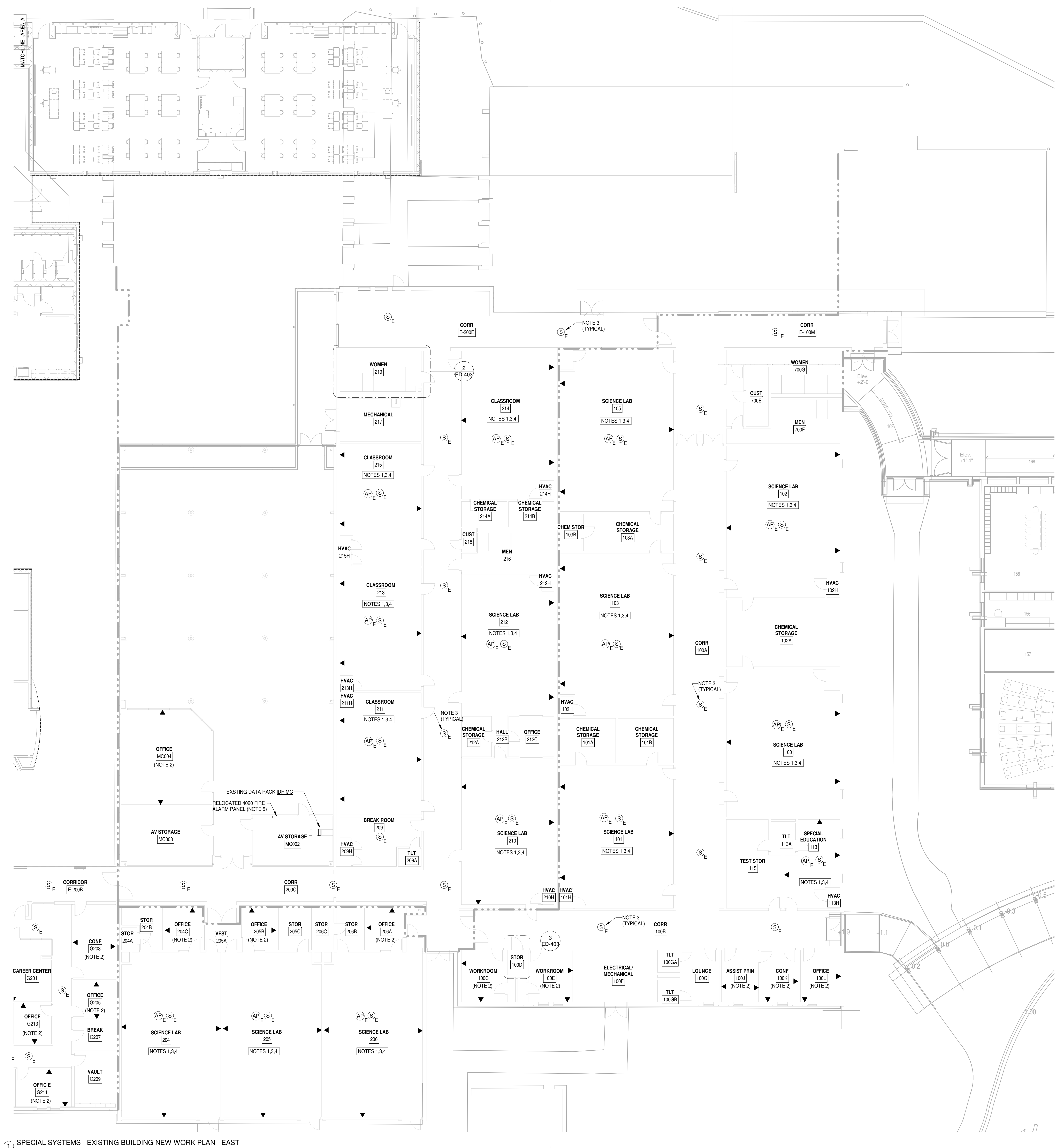
NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	JDJ

PRINCIPAL IN ENGINEER: JDJ
 PROJECT ENGINEER: JDJ
 DRAWN BY: LHO

SHEET TITLE:
**SPECIAL SYSTEMS
 PLAN - EAST**

SHEET NO. PROJ. NO.
 020420.00

ED-403



① SPECIAL SYSTEMS - EXISTING BUILDING NEW WORK PLAN - EAST
3/32" = 1'-0"

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NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	JDJ

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PRINCIPAL IN CHARGE: JDJ
PROJECT ENGINEER: JDJ
DRAWN BY: LHO

SHEET TITLE:
**SPECIAL SYSTEMS
PLAN - WEST**

SHEET NO. PROJ. NO.
020420.00

ED-404



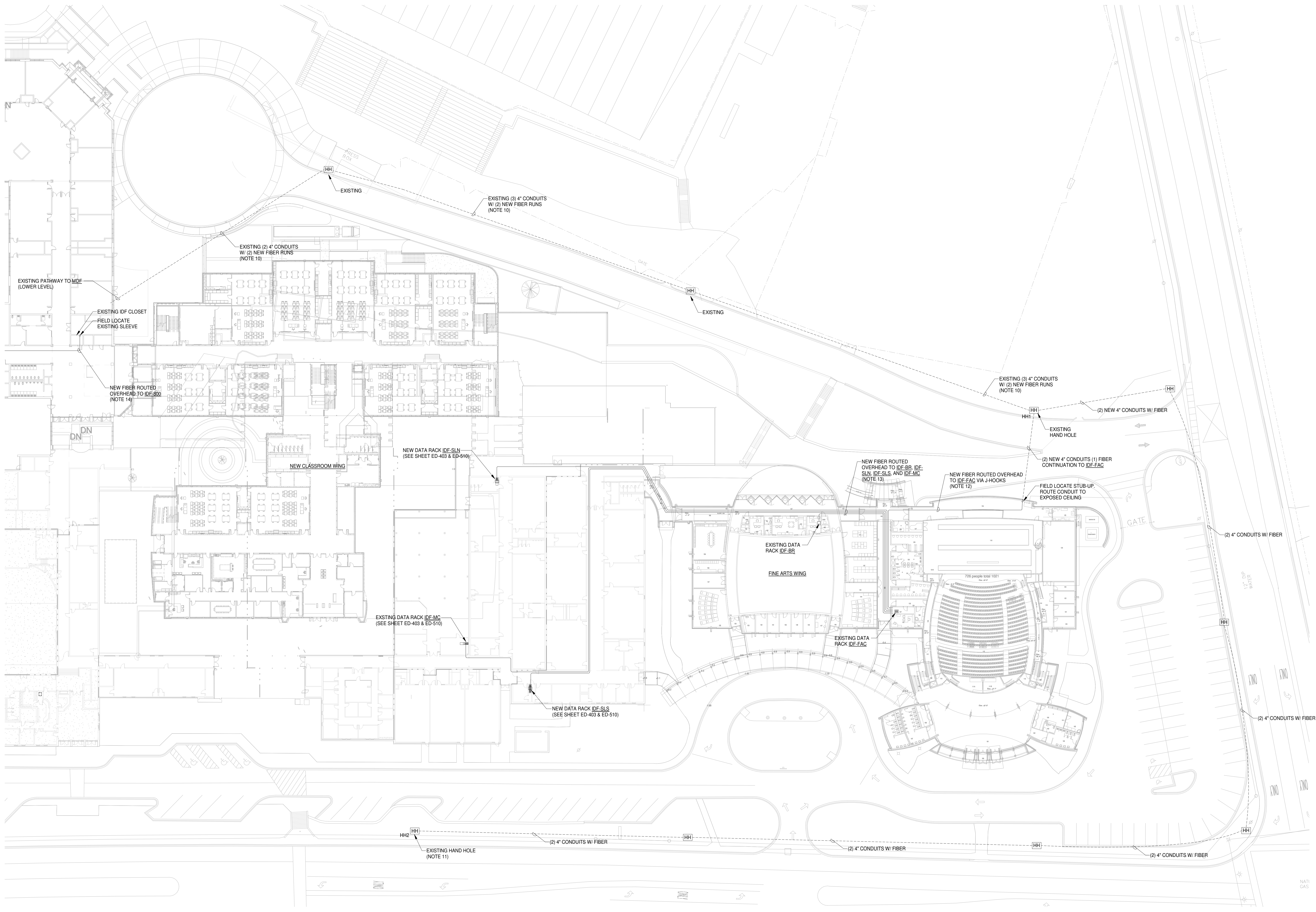
SPECIAL SYSTEMS PLAN NOTES:
SEE OVERALL SITE DATA, FIRE ALARM, AND INTERCOM PLANS FOR ADDITIONAL SCOPE ITEMS NOT IDENTIFIED ON THIS SET OF PLANS.

- ALLOW FOR (3) DATA DROPS PER CLASSROOM. COORDINATE EXACT LOCATION W/ SCHOOL DISTRICT IT DIRECTOR. LOCATE DATA OUTLET WITHIN 12" OF EXISTING RECEPTACLE.
- ALLOW FOR (2) DATA DROPS PER OFFICE/WORK ROOM. COORDINATE EXACT LOCATION W/ SCHOOL DISTRICT IT DIRECTOR. LOCATE DATA OUTLET WITHIN 12" OF EXISTING RECEPTACLE.
- ALLOW FOR EXISTING INTERCOM SPEAKERS TO BE RE-WIRED BACK TO LOCAL DATA CLOSET PUNCH-DOWN BLOCKS. PROVIDE J-HOOKS 3'-0" OC FOR SUPPORTING CABLE PATH. FIELD COORDINATE EXACT QUANTITY OF SPEAKERS TO BE RE-WIRED.
- ALLOW FOR (1) NEW DATA DROP TO RE-FEED EXISTING ACCESS POINT.
- EXISTING INTERCOM SYSTEM (VALCOM MULTI-PATH) TO HAVE PROVISIONS MADE TO ACCOMMODATE THE RE-FEEDING OF EXISTING SCIENCE CLASSROOM WING. PROVIDE ALL MATERIAL AND LABOR REQUIRED.

SEE OVERALL PLANS FOR REQUIRED UNDERGROUND LOW VOLTAGE CONDUIT

1 SPECIAL SYSTEMS - EXISTING BUILDING NEW WORK PLAN - WEST
3/32" = 1'-0"

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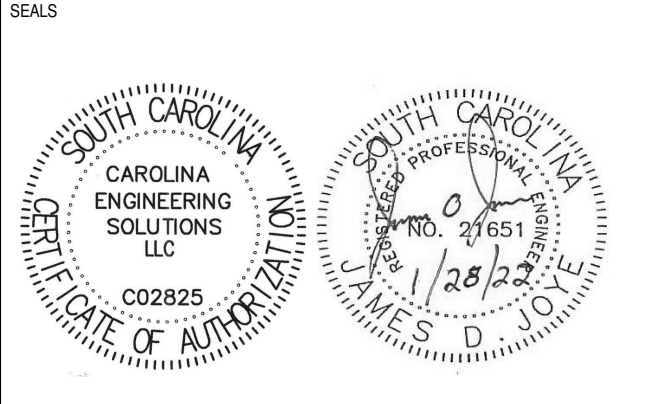


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1 SPECIAL SYSTEMS - EXISTING BUILDING DATA SYSTEMS NEW WORK OVERALL - EAST
 1" = 30'-0"

DATA PLAN NOTES:

1. CONTRACTOR SHALL VERIFY SITE LAYOUT WITH ARCHITECTURAL, CIVIL, AND LANDSCAPE PLANS AND MAKE MINOR ADJUSTMENTS TO FIXTURE PLACEMENT TO ACCOMMODATE DRAINAGE, PLANTINGS, ETC.
2. INSTALL ALL CONDUITS AT DEPTHS AS SPECIFIED IN N.E.C. 300-5.
3. SCHEDULE 40 PVC SHALL BE USED FOR UNDERGROUND FEEDERS, TRANSITIONING TO RIG UNDER PAVED OR HIGH TRAFFIC AREAS AND IN AREAS WHERE CONDUIT IS STUBBED UP INTO BUILDING AND/OR EQUIPMENT.
3. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITY LINES PRIOR TO ANY UNDERGROUND DIGGING OR TRENCHING.
4. CONTRACTOR SHALL COORDINATE WITH ALL OTHER DISCIPLINES DURING SITE EXCAVATION TO ENSURE THERE ARE NO CONFLICTS WITH UTILITY CONDUIT ROUTING.
5. COORDINATE WITH ALL TRADES TO AVOID ANY POTENTIAL INTERFERENCES AND CONFLICTS WITH BUILDING ELECTRICAL DESIGN.
6. FURNISH AND INSTALL A PULL BOX AT 150' INTERVALS FOR LOW VOLTAGE AND 200' FOR HIGH VOLTAGE FOR ALL UNDERGROUND CONDUIT AND/OR CABLE RUNS. COORDINATE WITH OWNER REPRESENTATIVE. SEE HAND HOLE DETAIL, E-101.
7. CONTRACTOR SHALL MAINTAIN FLAGGING FOR CONDUIT LOCATIONS AND PULL BOXES THROUGHOUT CONSTRUCTION.
8. PROVIDE PULL TAPE FOR ALL LOW VOLTAGE CONDUIT.
9. PROVIDE 4" SLEEVES UNDER ROAD BED WHERE REQUIRED.
10. FURNISH AND INSTALL (1) RUN OF 6 STRAND INDOOR/OUTDOOR PLENUM RATED OS2 FIBER (BELDEN FDS0264P9) ROUTED FROM MDE TO FINE ARTS CENTER (IDF-FAC). PROVIDE (1) RUN OF 24 STRAND INDOOR/OUTDOOR PLENUM RATED OS2 FIBER (BELDEN FDS0264P9) ROUTED FROM MDE TO EXISTING HANDHOLE AT FRONT OF SCHOOL. PROVIDE ALL CONNECTIONS AND TERMINATIONS REQUIRED.
11. INTERCEPT AND RE-SPICE DISTRICT OFFICE AND DUNCAN ELEMENTARY FIBER CURRENTLY LOCATED IN EXISTING HAND HOLE. COORDINATE ALL OUTAGES WITH INFORMATION TECHNOLOGY DIRECTOR. PROVIDE ALL CONNECTIONS AND TERMINATIONS REQUIRED.
12. FURNISH AND INSTALL J-HOOKS (36" OC) FOR FIBER SUPPORT. FIELD COORDINATE ROUTING.
13. FURNISH AND INSTALL (1) RUN OF 6 STRAND INTERLOCKING ARMORED CABLE, PLENUM RATED OM4 FIBER (CORNING: 006788-31190-A3) ROUTED FROM FINE ARTS CENTER (IDF-FAC) TO EACH OF THE FOLLOWING: (IDF-BB, IDF-SLN, IDF-SLS, AND IDF-MC). PROVIDE ALL CONNECTIONS AND TERMINATIONS REQUIRED.
14. FURNISH AND INSTALL (1) RUN OF 6 STRAND INTERLOCKING ARMORED CABLE, PLENUM RATED OM4 FIBER (CORNING: 006788-31190-A3) ROUTED FROM PHASE 1 MDE TO IDF-800. PROVIDE ALL CONNECTIONS AND TERMINATIONS REQUIRED.
15. ROUTING OF INTERIOR AND EXTERIOR FEEDERS ARE DIAGRAMMATIC. COORDINATE WITH EXISTING CONDITIONS AND MAKE ADJUSTMENTS AS REQUIRED.
16. REPLACE EXISTING CEILING TILES DAMAGED DURING CONSTRUCTION.



SPARTANBURG COUNTY SCHOOL DISTRICT FIVE
JAMES F. BYRNES HIGH SCHOOL
 PHASE 2 ACADEMIC WING ADDITION
 150 E. MAIN STREET
 DUNCAN, SC 29504

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	JDJ

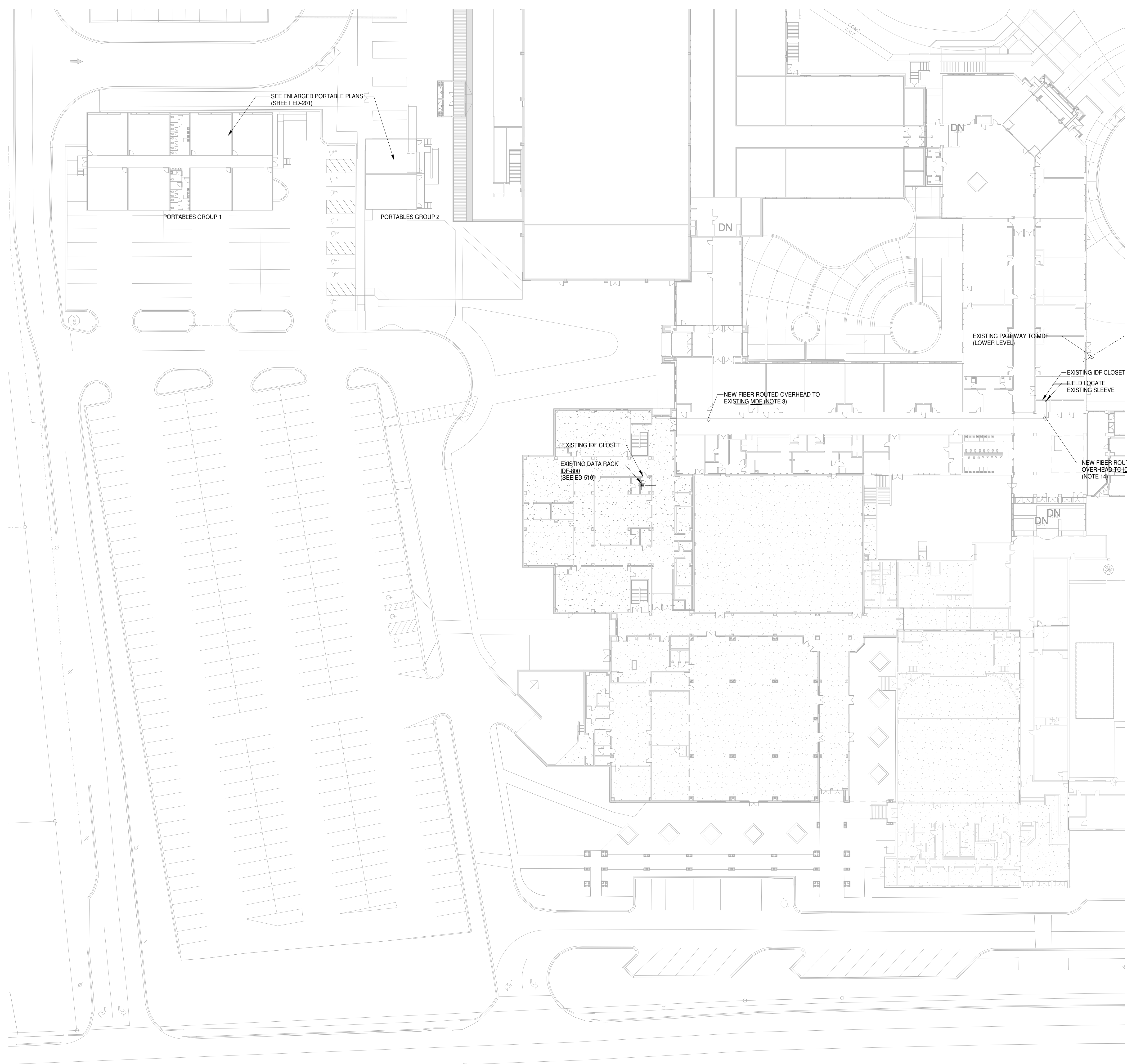
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PRINCIPAL IN CHARGE: JDJ
 PROJECT ENGINEER: JDJ
 DRAWN BY: LHO

SHEET TITLE:
**PARTIAL OVERALL
 SITE DATA PLAN -
 EAST**

SHEET NO. PROJ. NO.
 020420.00

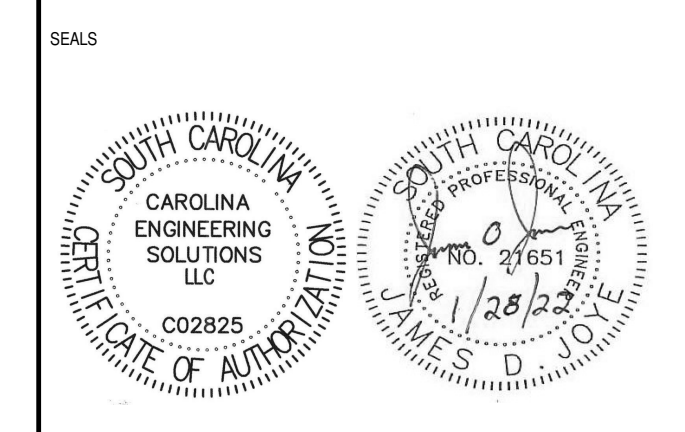
ED-405



1 SPECIAL SYSTEMS - EXISTING BUILDING DATA SYSTEMS NEW WORK OVERALL - WEST
 1" = 30'-0"

DATA PLAN NOTES:

1. CONTRACTOR SHALL VERIFY SITE LAYOUT WITH ARCHITECTURAL, CIVIL, AND LANDSCAPE PLANS AND MAKE MINOR ADJUSTMENTS TO FIXTURE PLACEMENT TO ACCOMMODATE DRAINAGE, PLANTINGS, ETC.
2. INSTALL ALL CONDUITS AT DEPTHS AS SPECIFIED IN N.E.C. 300.5.
3. SCHEDULE 40 PVC SHALL BE USED FOR UNDERGROUND FEEDERS, TRANSITIONING TO RGC UNDER PAVED OR HIGH TRAFFIC AREAS AND IN AREAS WHERE CONDUIT IS STUBBED UP INTO BUILDING AND/OR EQUIPMENT.
4. CONTRACTOR SHALL COORDINATE WITH ALL OTHER DISCIPLINES DURING SITE EXCAVATION TO ENSURE THERE ARE NO CONFLICTS WITH UTILITY CONDUIT ROUTING.
5. COORDINATE WITH ALL TRADES TO AVOID ANY POTENTIAL INTERFERENCES AND CONFLICTS WITH BUILDING ELECTRICAL DESIGN.
6. FURNISH AND INSTALL A PULL BOX AT 150' INTERVALS FOR LOW VOLTAGE AND 200' FOR HIGH VOLTAGE FOR ALL UNDERGROUND CONDUIT AND/OR CABLE RUNS. COORDINATE WITH OWNER REPRESENTATIVE. SEE HAND HOLE DETAIL, E-101.
7. CONTRACTOR SHALL MAINTAIN FLAGGING FOR CONDUIT LOCATIONS AND PULL BOXES THROUGHOUT CONSTRUCTION.
8. PROVIDE PULL-TAPE FOR ALL LOW VOLTAGE CONDUIT.
9. PROVIDE 4" SLEEVES UNDER ROAD BED WHERE REQUIRED.
10. FURNISH AND INSTALL (1) RUN OF 24 STRAND INDOOR/OUTDOOR PLENUM RATED OS2 FIBER (BELDEN FDS024P9) ROUTED FROM MDE TO FINE ARTS CENTER IDF-FAC. PROVIDE (1) RUN OF 24 STRAND INDOOR/OUTDOOR PLENUM RATED OS2 FIBER (BELDEN FDS024P9) ROUTED FROM MDE TO EXISTING HANDHOLE AT FRONT OF SCHOOL. PROVIDE ALL CONNECTIONS AND TERMINATIONS REQUIRED.
11. INTERCEPT AND RE-SPLICE DISTRICT OFFICE AND DUNCAN ELEMENTARY FIBER CURRENTLY LOCATED IN EXISTING HAND HOLE. COORDINATE ALL OUTAGES WITH INFORMATION TECHNOLOGY DIRECTOR. PROVIDE ALL CONNECTIONS AND TERMINATIONS REQUIRED.
12. FURNISH AND INSTALL J-HOOKS (36" OC) FOR FIBER SUPPORT. FIELD COORDINATE ROUTING.
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15. ROUTING OF INTERIOR AND EXTERIOR FEEDERS ARE DIAGRAMMATIC. COORDINATE WITH EXISTING CONDITIONS AND MAKE ADJUSTMENTS AS REQUIRED.
16. REPLACE EXISTING CEILING TILES DAMAGED DURING CONSTRUCTION.



SPARTANBURG COUNTY SCHOOL DISTRICT FIVE
 JAMES F. BYRNES HIGH SCHOOL
 PHASE 2 ACADEMIC WING ADDITION
 150 E. MAIN STREET
 DUNCAN, SC 29504

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	JDJ

PRINCIPAL IN ENGINEER: JDJ
 PROJECT ENGINEER: JDJ
 DRAWN BY: LHO

SHEET TITLE:
**PARTIAL OVERALL
 SITE DATA PLAN -
 WEST**

SHEET NO. PROJ. NO.
 020420.00

ED-406

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NO.	DATE	DESCRIPTION	BY
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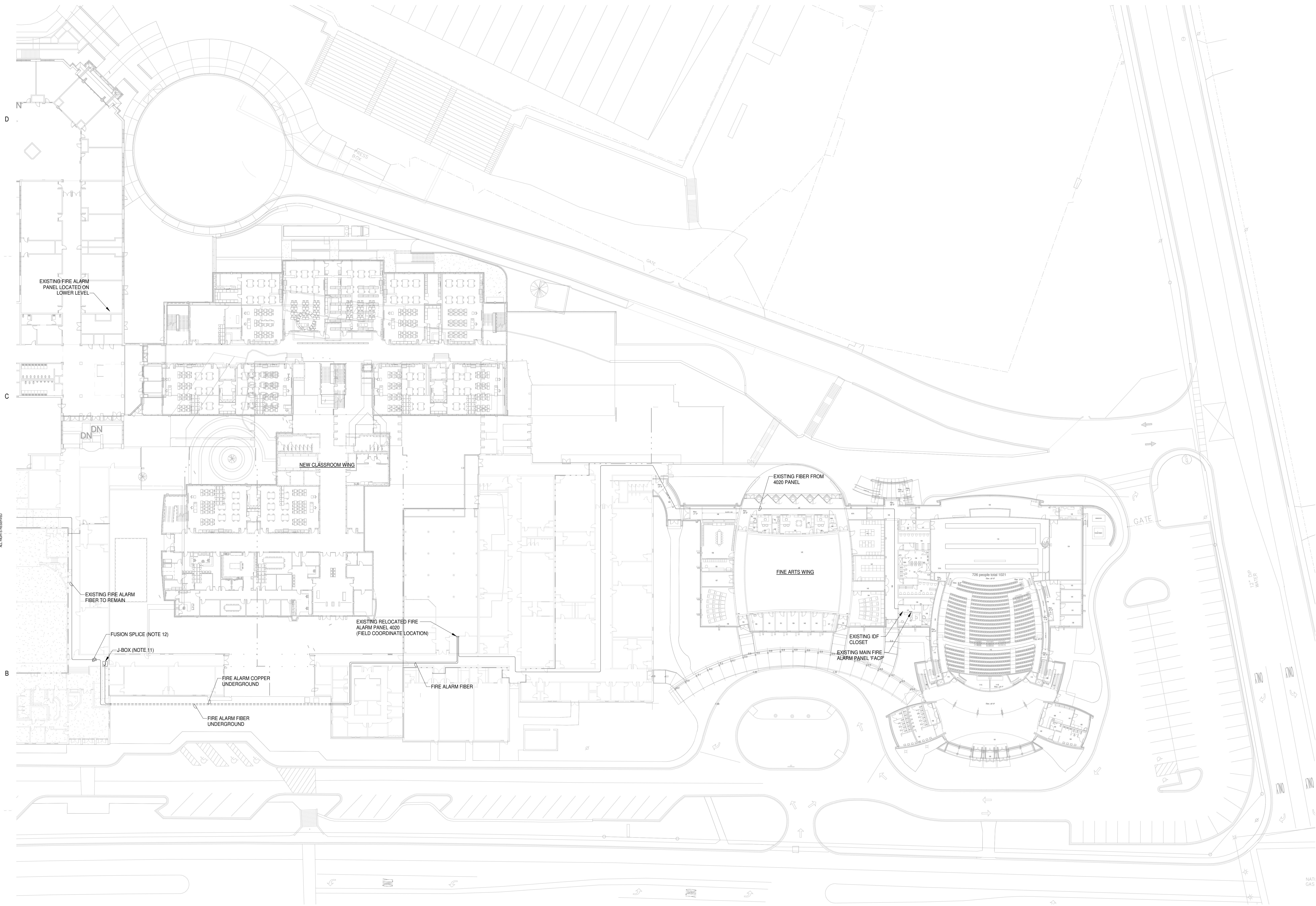
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PRINCIPAL IN CHARGE: JDJ
PROJECT ENGINEER: JDJ
DRAWN BY: LHO

SHEET TITLE:
**PARTIAL OVERALL
SITE FIRE ALARM
PLAN - EAST**

SHEET NO. PROJ. NO.
020420.00

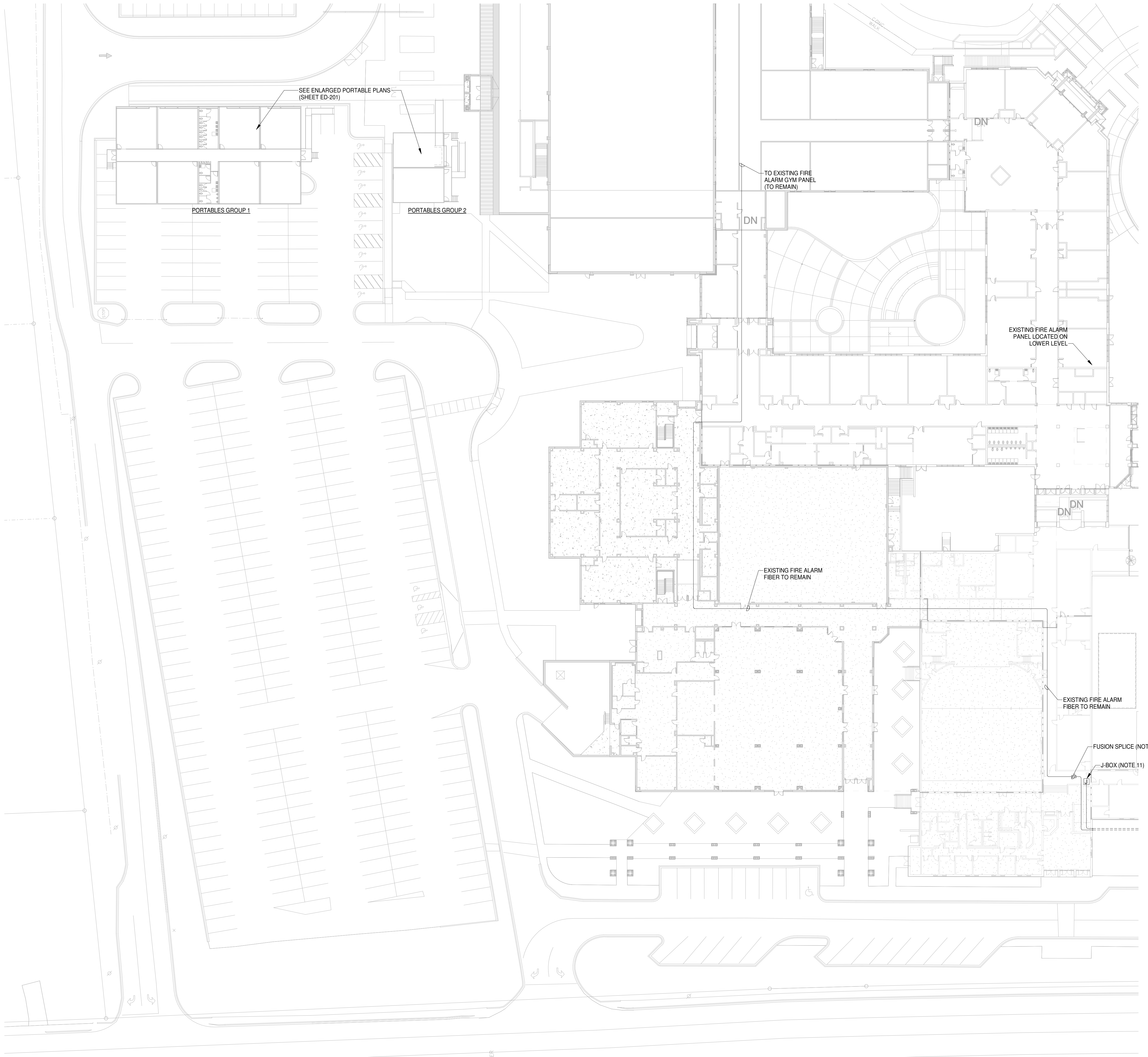
ED-407



1 SPECIAL SYSTEMS - EXISTING BUILDING FIRE ALARM NEW WORK OVERALL - EAST
1" = 30'-0"

- FIRE ALARM SYSTEM PLAN NOTES:**
- CONTRACTOR SHALL VERIFY SITE LAYOUT WITH ARCHITECTURAL, CIVIL, AND LANDSCAPE PLANS AND MAKE MINOR ADJUSTMENTS TO FIXTURE PLACEMENT TO ACCOMMODATE DRAINAGE, PLANTINGS, ETC.
 - INSTALL ALL CONDUITS AT DEPTHS AS SPECIFIED IN N.E.C. 300-5.
 - SCHEDULE 40 PVC SHALL BE USED FOR UNDERGROUND FEEDERS, TRANSITIONING TO RIG UNDER PAVED OR HIGH TRAFFIC AREAS AND IN AREAS WHERE CONDUIT IS STUBBED UP INTO BUILDING AND/OR EQUIPMENT.
 - CONTRACTOR SHALL LOCATE ALL EXISTING UTILITY LINES PRIOR TO ANY UNDERGROUND DIGGING OR TRENCHING.
 - CONTRACTOR SHALL COORDINATE WITH ALL OTHER DISCIPLINES DURING SITE EXCAVATION TO ENSURE THERE ARE NO CONFLICTS WITH UTILITY CONDUIT ROUTING.
 - COORDINATE WITH ALL TRADES TO AVOID ANY POTENTIAL INTERFERENCES AND CONFLICTS WITH BUILDING ELECTRICAL DESIGN.
 - FURNISH AND INSTALL PULL BOX AS SHOWN OR AS DIRECTED BY LOW VOLTAGE INSTALLER.
 - CONTRACTOR SHALL MAINTAIN FLAGGING FOR CONDUIT LOCATIONS AND PULL BOXES THROUGHOUT CONSTRUCTION.
 - PROVIDE PULL TAPE FOR ALL LOW VOLTAGE CONDUIT.
 - ROUTING OF INTERIOR AND EXTERIOR FEEDERS ARE DIAGRAMMATIC. COORDINATE WITH EXISTING CONDITIONS AND MAKE ADJUSTMENTS AS REQUIRED.
 - REPLACE EXISTING CEILING TILES DAMAGED DURING CONSTRUCTION.

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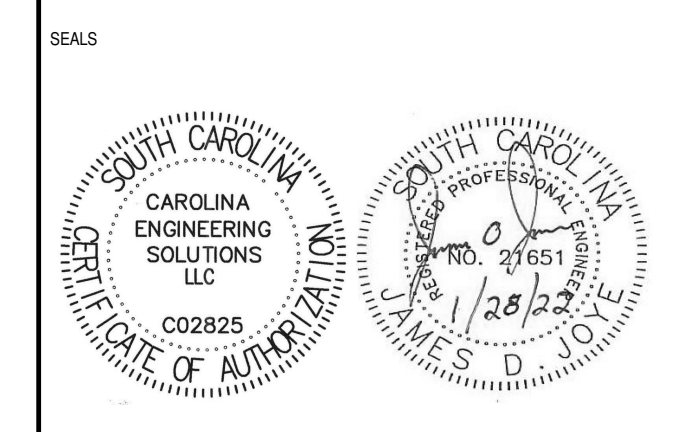


1 SPECIAL SYSTEMS - EXISTING BUILDING FIRE ALARM NEW WORK OVERALL - WEST
 1" = 30'-0"

FIRE ALARM SYSTEM PLAN NOTES:

1. CONTRACTOR SHALL VERIFY SITE LAYOUT WITH ARCHITECTURAL, CIVIL, AND LANDSCAPE PLANS AND MAKE MINOR ADJUSTMENTS TO FITTURE PLACEMENT TO ACCOMMODATE DRAINAGE, PLANTINGS, ETC.
2. INSTALL ALL CONDUITS AT DEPTHS AS SPECIFIED IN N.E.C. 300-5.
3. SCHEDULE 40 PVC SHALL BE USED FOR UNDERGROUND FEEDERS, TRANSITIONING TO RGC UNDER PAVED OR HIGH TRAFFIC AREAS AND IN AREAS WHERE CONDUIT IS STUBBED UP INTO BUILDING AND/OR EQUIPMENT.
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8. PROVIDE PULL-TAPE FOR ALL LOW VOLTAGE CONDUIT.
9. ROUTING OF INTERIOR AND EXTERIOR FEEDERS ARE DIAGRAMMATIC. COORDINATE WITH EXISTING CONDITIONS AND MAKE ADJUSTMENTS AS REQUIRED.
10. REPLACE EXISTING CEILING TILES DAMAGED DURING CONSTRUCTION.
11. FURNISH AND INSTALL JUNCTION BOX ABOVE CEILING FOR RE-FEEDING OF ANY FIRE ALARM CIRCUITS WHICH MAY HAVE BEEN CUT DURING DEMOLITION PHASE.
12. PROVIDE FUSION SPLICE AT EXISTING FIBER. PROVIDE ALL MATERIAL AND FIBER OPTIC SPLICE BOX AS REQUIRED.

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SPARTANBURG COUNTY SCHOOL DISTRICT FIVE
 JAMES F. BYRNES HIGH SCHOOL
 PHASE 2 ACADEMIC WING ADDITION
 150 E. MAIN STREET
 DUNCAN, SC 29534

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	JDJ

PRINCIPAL IN ENGINEER: JDJ
 PROJECT ENGINEER: JDJ
 DRAWN BY: LHO

SHEET TITLE:
**PARTIAL OVERALL
 SITE FIRE ALARM
 PLAN - WEST**

SHEET NO. PROJ. NO.
 020420.00

ED-408

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SPARTANBURG COUNTY SCHOOL DISTRICT FIVE
JAMES F. BYRNES HIGH SCHOOL
PHASE 2 ACADEMIC WING ADDITION
150 E. MAIN STREET
DUNCAN, SC 29534

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	JDJ

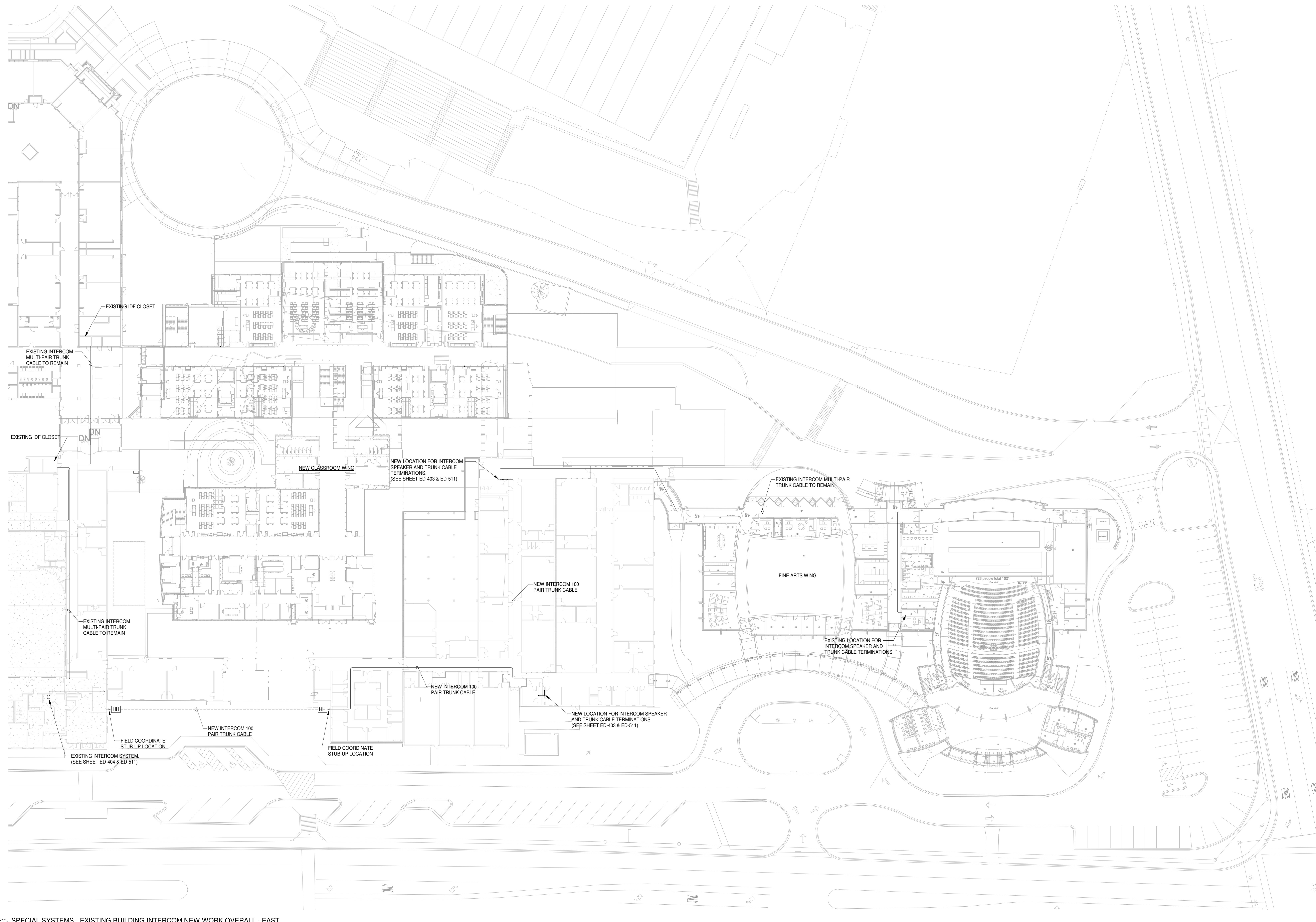
NOT FOR CONSTRUCTION
FOR PRICING ONLY

PRINCIPAL IN CHARGE: JDJ
PROJECT ENGINEER: JDJ
DRAWN BY: LHO

SHEET TITLE:
PARTIAL OVERALL
SITE INTERCOM
PLAN - EAST

SHEET NO. PROJ. NO.
020420.00

ED-409

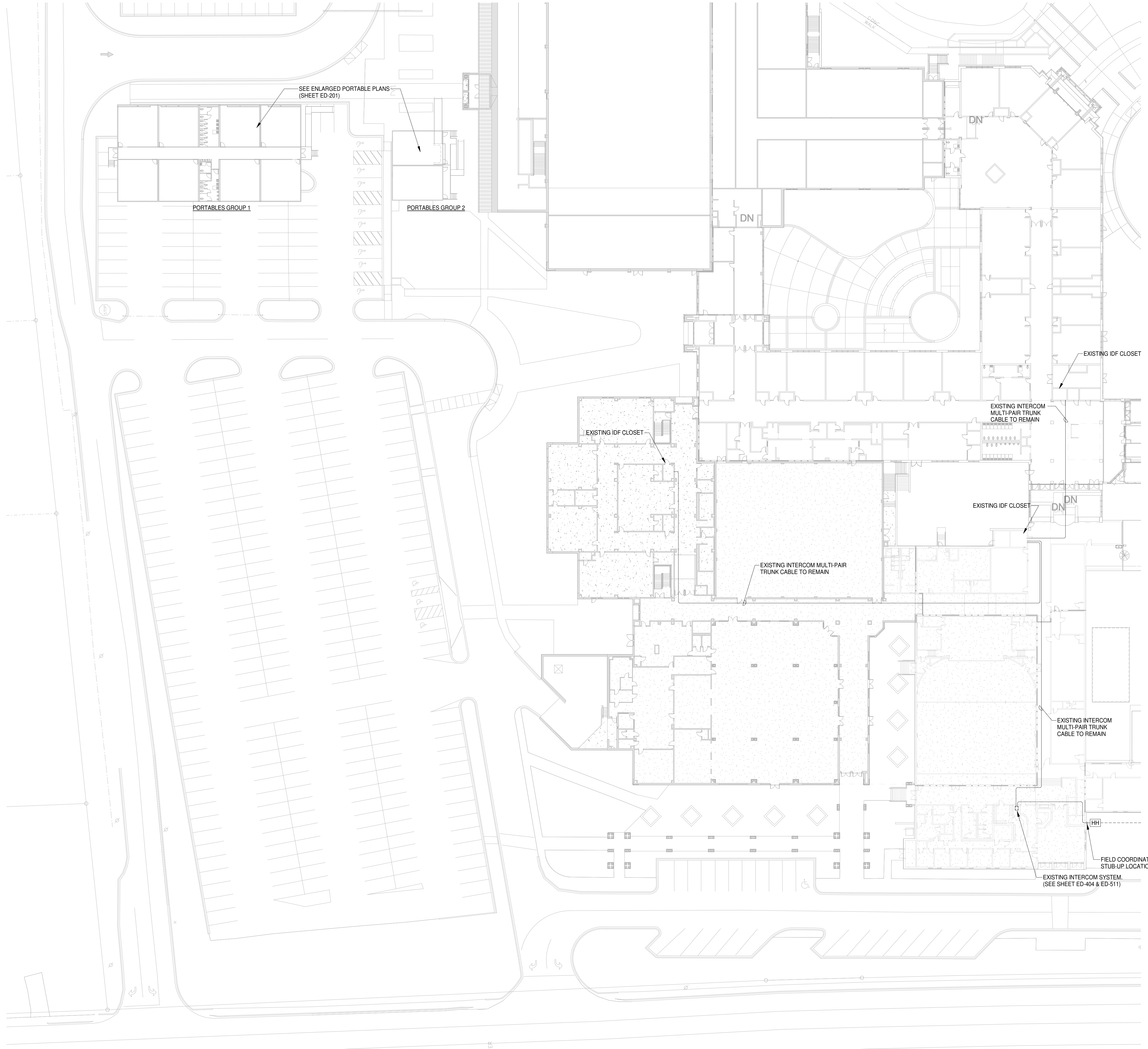


1 SPECIAL SYSTEMS - EXISTING BUILDING INTERCOM NEW WORK OVERALL - EAST
1" = 30'-0"

INTERCOM SYSTEM PLAN NOTES:

- CONTRACTOR SHALL VERIFY SITE LAYOUT WITH ARCHITECTURAL, CIVIL, AND LANDSCAPE PLANS AND MAKE MINOR ADJUSTMENTS TO FIXTURE PLACEMENT TO ACCOMMODATE DRAINAGE, PLANTINGS, ETC.
- INSTALL ALL CONDUITS AT DEPTHS AS SPECIFIED IN N.E.C. 300-5.
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- REPLACE EXISTING CEILING TILES DAMAGED DURING CONSTRUCTION.

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1 SPECIAL SYSTEMS - EXISTING BUILDING INTERCOM NEW WORK OVERALL - WEST
1" = 30'-0"

INTERCOM SYSTEM PLAN NOTES:

- CONTRACTOR SHALL VERIFY SITE LAYOUT WITH ARCHITECTURAL, CIVIL, AND LANDSCAPE PLANS AND MAKE MINOR ADJUSTMENTS TO FIXTURE PLACEMENT TO ACCOMMODATE DRAINAGE, PLANTINGS, ETC.
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SPARTANBURG COUNTY SCHOOL DISTRICT FIVE
JAMES F. BYRNES HIGH SCHOOL
PHASE 2 ACADEMIC WING ADDITION
150 E. MAIN STREET
DUNCAN, SC 29534

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	JDJ

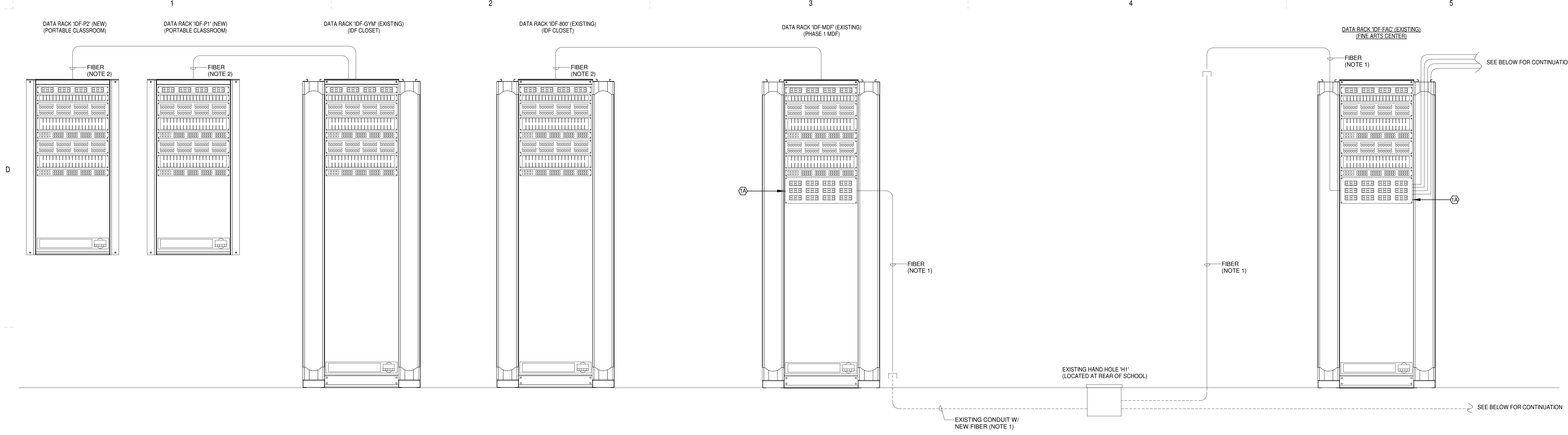
NOT FOR CONSTRUCTION
FOR PRICING ONLY

PRINCIPAL IN ENGINEER: JDJ
PROJECT ENGINEER: JDJ
DRAWN BY: LHO

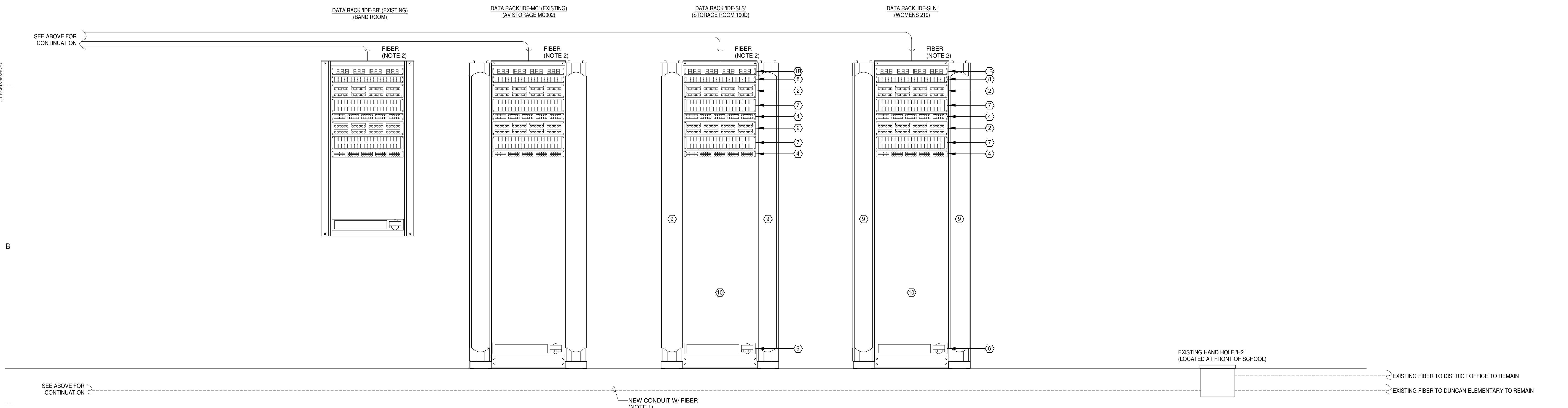
SHEET TITLE:
**PARTIAL OVERALL
SITE INTERCOM
PLAN - WEST**

SHEET NO. PROJ. NO.
020420.00

ED-410



1 EXISTING BUILDING-PARTIAL DATA RISER DIAGRAM
1" = 1'-0"



- DATA SYSTEMS GENERAL NOTES:**
- 24 STRAND INDOOR/OUTDOOR PLENUM RATED OS2 FIBER (BELDEN FSD024P9).
 - 6 STRAND INTERLOCKING ARMORED CABLE, PLENUM RATED OM4 FIBER (CORNING: 069788-31190-A3).
 - ALL DATA CABLING SHALL BE CAT6 CABLE (GENERAL CABLE GS6000h) CMP-LP PLENUM RATED LU/TP 4 PAIR CABLING. PROVIDE 6'-0" SERVICE LOOP FOR ALL DATA DROPS. SEE GENERAL CABLE COLOR CODES BELOW (NOTE 9).
 - FACEPLATES SHALL BE STAINLESS STEEL (PANDUIT CFP2LSY OR CFP4LSY AS IT APPLIES) WITH QUANTITY OF JACKS PER PLANS.
 - ALL CABLES, PATCH PANELS, DATA JACKS, AND DEVICES SHALL BE LABELED IN ACCORDANCE TO TIA 568 STANDARDS.
 - ALL DATA, VOICE, CCTV, AND WIRELESS ACCESS POINT JACKS SHALL BE RJ-45 JACKS (PANDUIT CJ888TG) CONFIGURED FOR 968B WIRING, CERTIFIED FOR CAT 6 CABLING. SEE NOTE 7 BELOW.
 - DATA JACK COLOR SHALL COORDINATE WITH COLOR CODE BELOW.
 - PROVIDE RECORD OF CAT 6 CERTIFICATION.
 - THE FOLLOWING COLOR CODES WILL APPLY FOR LOW VOLTAGE CABLING:
 - DATA: BLUE (7131900)
 - VOICE: BLUE (7131900)
 - CCTV: GREEN (7131906)
 - WIRELESS ACCESS POINTS: PURPLE (7131909)
 - INTERCOM: GRAY.
 - SECURITY: GREEN.

- KEYED NOTES:**
- 4RU FIBER ENCLOSURE (PANDUIT FCE4U) WITH (12) 6 PORT SC SINGLEMODE ZIRCONIA FIBER ADAPTER PANELS (PANDUIT FAP6WAGSCZ).
 - 1RU FIBER ENCLOSURE (PANDUIT FCE1U) WITH (3) 6 PORT SC SINGLEMODE ZIRCONIA FIBER ADAPTER PANELS (PANDUIT FAP6WAGSCZ) AND (1) 6 PORT LC SINGLEMODE ZIRCONIA FIBER ADAPTER PANELS (PANDUIT FAP6WADLCZ).
 - 48 PORT MODULAR PATCH PANEL (PANDUIT CPP48MWBLY) WITH (48) CAT6e RJ45 JACK MODULES, 568B, 8 POSITION, 8 WIRE UNIVERSAL MODULE (PANDUIT CJ888TG-COLOR). JACK COLOR TO CORRESPOND WITH COLOR CODE (NOTE 9). DATA AND VOICE TO TERMINATE TO THIS PATCH PANEL.
 - 24 PORT MODULAR PATCH PANEL (PANDUIT CPP24MWBLY) WITH (24) CAT6e RJ45 JACK MODULES, 568B, 8 POSITION, 8 WIRE UNIVERSAL MODULE (PANDUIT CJ888TG-COLOR). JACK COLOR TO CORRESPOND WITH COLOR CODE (NOTE 9). DATA AND VOICE TO TERMINATE TO THIS PATCH PANEL.
 - 24 PORT MODULAR PATCH PANEL (PANDUIT CPP24MWBLY) WITH (24) CAT6e RJ45 JACK MODULES, 568B, 8 POSITION, 8 WIRE UNIVERSAL MODULE (PANDUIT CJ888TG-COLOR). JACK COLOR TO CORRESPOND WITH COLOR CODE (NOTE 9). WIRELESS ACCESS POINTS TO TERMINATE TO THIS PATCH PANEL.
 - 1GbE 48 PORT SWITCH FURNISHED AND INSTALLED BY SCHOOL DISTRICTS SPECIAL SYSTEMS INSTALLER.
 - 1GbE 24 PORT SWITCH FURNISHED AND INSTALLED BY SCHOOL DISTRICTS SPECIAL SYSTEMS INSTALLER.
 - 2200VA UNINTERRUPTIBLE POWER SUPPLY (UPS) (APC SRT2200RMLA).
 - 2RU HORIZONTAL DOUBLE SIDED CABLE MANAGEMENT (PANDUIT WMPF1E).
 - 1RU HORIZONTAL DOUBLE SIDED CABLE MANAGEMENT (PANDUIT WMPF5E).
 - VERTICAL DOUBLE SIDED CABLE MANAGEMENT (PANDUIT WMPV4SE).
 - 84" X 18" 45U 2 POST BLACK FLOOR MOUNTED RACK (PANDUIT R2P).

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
C	01/31/22	GMP DEMO SET	JDJ

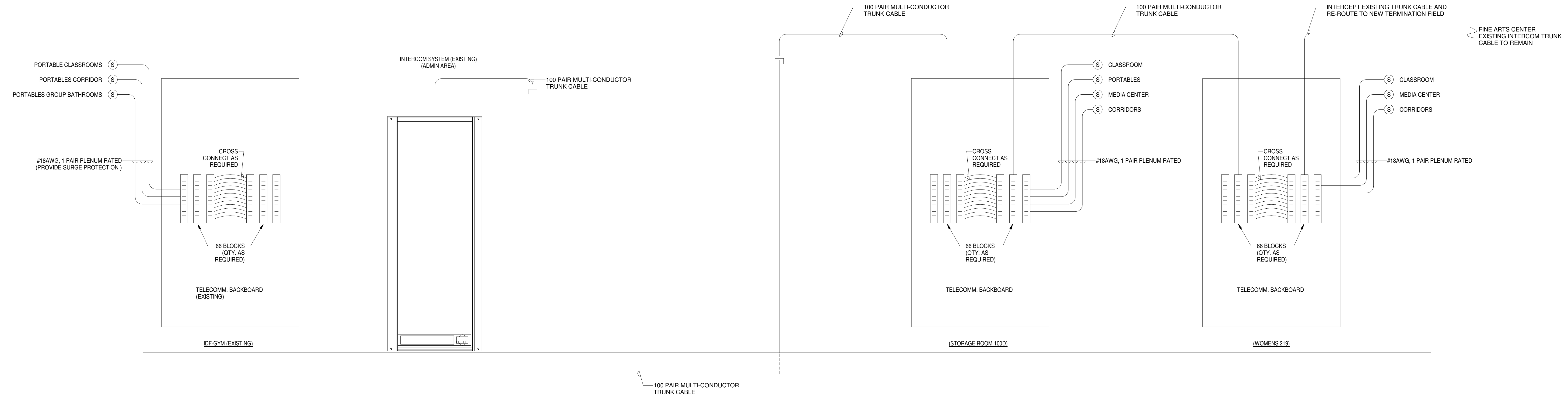
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PROJECT ENGINEER: JDJ
DRAWN BY: LHO

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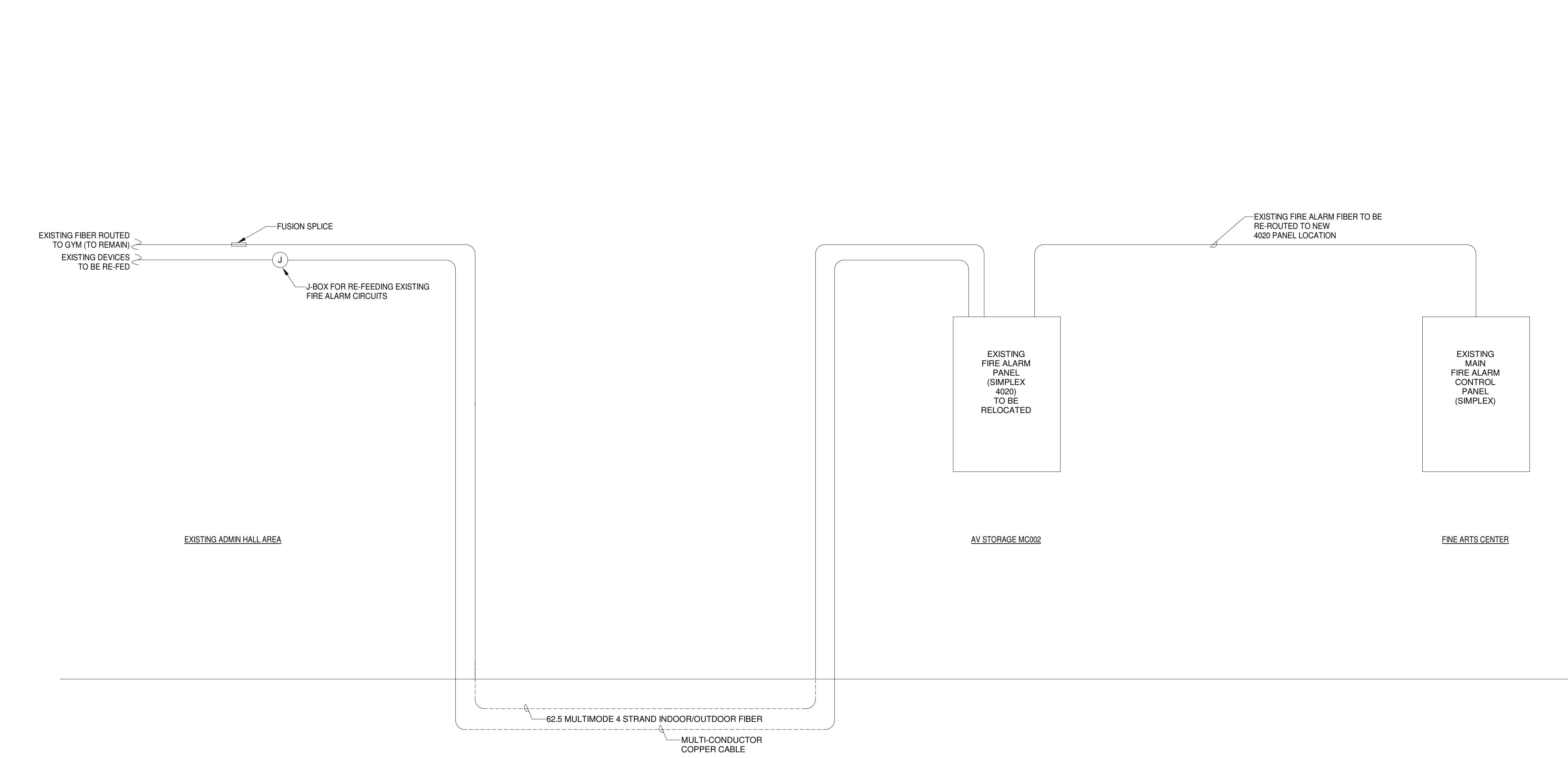
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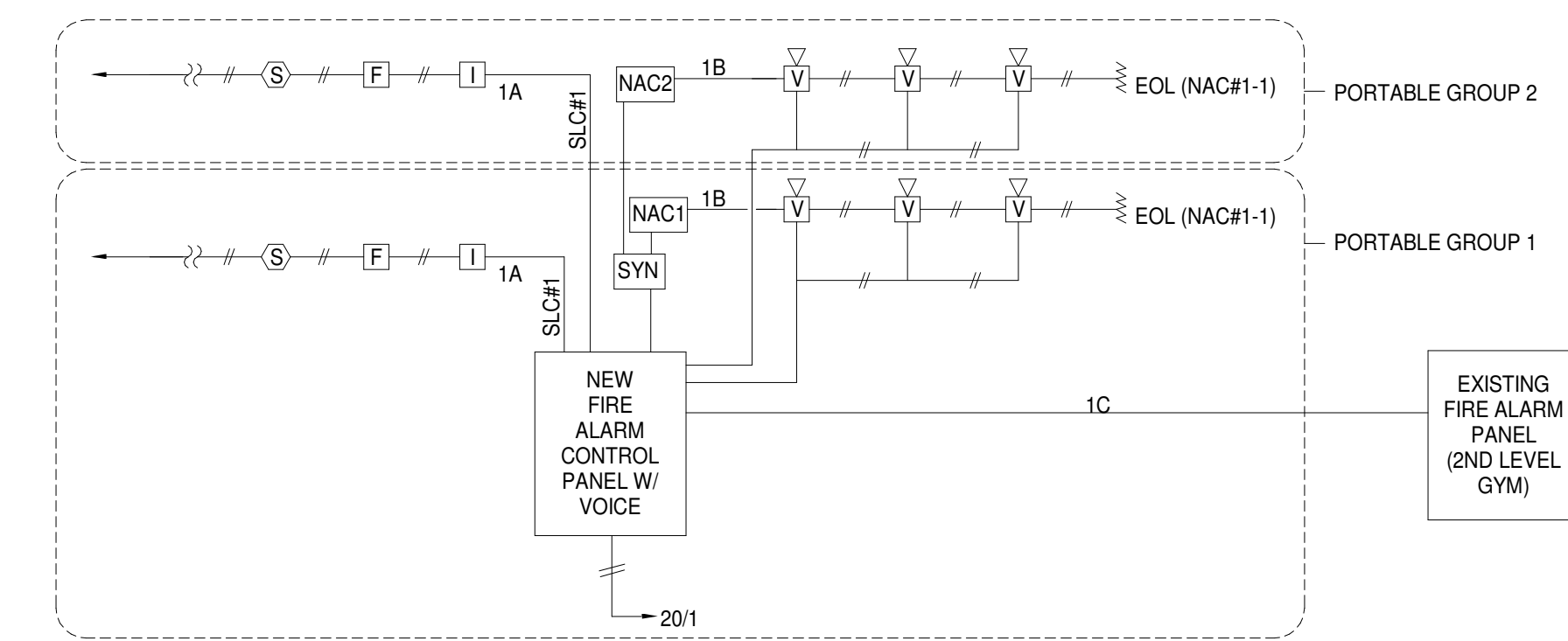
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1 INTERCOM RISER DIAGRAM
1" = 1'-0"



2 EXISTING WING - FIRE ALARM RISER DIAGRAM
1" = 1'-0"



NOTES

- SEE PLANS FOR DEVICE LOCATIONS AND QUANTITIES.
- EXISTING FIRE ALARM PANEL IS MANUFACTURED BY SIMPLEX. CONTRACTOR IS TO BE RESPONSIBLE FOR DETERMINING FIRE ALARM CONFIGURATION AND SHALL CONSULT THE FIRE ALARM REPRESENTATIVE PRIOR TO BID FOR COMPLETE DETAILS ON FIRE ALARM REQUIREMENTS. PROVIDE ALL NECESSARY MATERIALS AND WIRING TO THE EXISTING FIRE ALARM PANEL (LOCATED ON UPPER FLOOR GYM) TO INCORPORATE THE FIBER CONNECTION. SIGNAL WIRING SHALL MEET OSF CODE SECTIONS 1203.2.11 AND 1203.9.1203.3.1.
- THE FIRE ALARM SYSTEM SHALL BE A VOICE EVACUATION LOW VOLTAGE (24VDC) SYSTEM, FULLY ADDRESSABLE WITH 24 HOUR STANDBY FOLLOWED BY NOT LESS THAN 5 MINUTE ALARM BATTERY BACKUP SYSTEM SHALL COMPLY WITH NFPA 72, A.D.A., IBC. MUST MEET ALL APPLICABLE STATE AND LOCAL CODES.
- THE FIRE ALARM SYSTEM SHALL BE U.L. AND F.M. APPROVED EQUIPMENT OF A SINGLE MANUFACTURER. BASIS OF DESIGN: SIMPLEX (NO SUBSTITUTIONS).
- ALL FIRE ALARM WIRING SHALL BE CONCEALED AND INSTALLED IN 3/4" EMT CONDUIT.
- INITIATING DEVICES, NOTIFICATION APPLIANCES, AND SIGNALING LINE CIRCUITS SHALL BE CLASS B WIRING. INITIATING DEVICE CIRCUITS SHALL BE STYLE B, NOTIFICATION APPLIANCE CIRCUITS SHALL BE STYLE Y, AND SIGNALING LINE CIRCUITS SHALL BE STYLE 4.
- AUDIBLE SIGNAL APPLIANCES (ASA) SHALL HAVE A SOUND LEVEL NOT LESS: 75 dBA @ 10 FEET OR MORE THAN 120 dBA AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE DEVICE. ASAs SHALL HAVE A SOUND LEVEL AT LEAST 15 dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OF 55 dBA (PLACE OF ASSEMBLY).
- REMOTE ALARM INDICATORS SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION AND SHALL BE CLEARLY LABELED TO INDICATE BOTH THEIR FUNCTION AND AIR HANDLING UNIT(S) ASSOCIATED WITH DUCT SMOKE DETECTOR. PROVIDE A REMOTE ALARM INDICATOR FOR EACH DUCT SMOKE DETECTOR.
- INSTALL ISOLATION MODULES ON SLC CIRCUIT TO KEEP AN ABNORMAL CONDITION FROM DISABLING THE SLC ON THE OTHER FLOORS.
- LABEL EACH ADDRESSABLE DEVICE W/ 5" P-TOUCH TAPE (LOOP# DEVICE#) PROVIDE DETAILED FIRE ALARM DEVICE MAP OF BUILDING NEXT TO FACP & EACH FAAP.
- COORDINATE WITH FIRE ALARM VENDOR TO PROVIDE VOLTAGE DROP CALCULATIONS TO INSURE THAT THE PROPER WIRING IS PROVIDED FOR VOLTAGE DROP REQUIREMENTS FOR THE EXTERIOR TAMPER SWITCHES PRIOR TO BIDDING.
- PROVIDE A VOICE/ALARM COMMUNICATIONS SYSTEM THAT COMPLIES WITH IBC 907.2.13.
- PROVIDE SURGE PROTECTION FOR CIRCUITS FEEDING PORTABLE GROUP 2.

3 PORTABLES-FIRE ALARM RISER DIAGRAM
12" = 1'-0"

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