

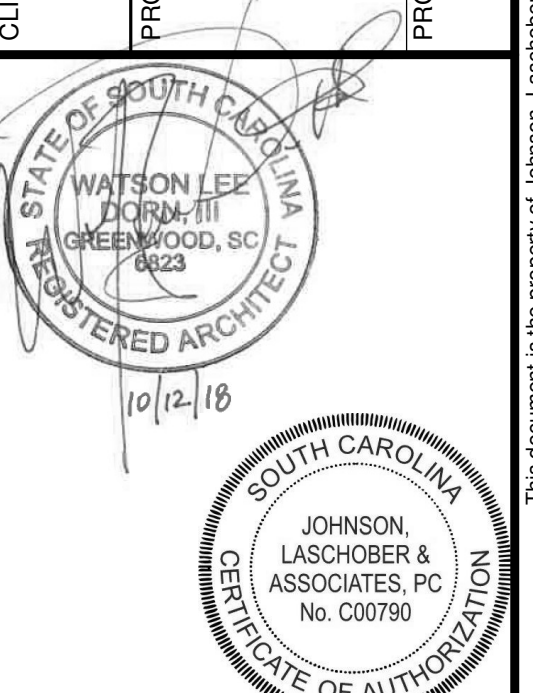
NEWBERRY COUNTY
PO BOX 156 NEWBERRY, SC 29108

TOWN OF POMARIA RECREATION CENTER RENOVATIONS

138 FOLK STREET, POMARIA, SC 29126



NEWBERRY COUNTY
PO BOX 156 NEWBERRY, SC 29108
PROJECT NAME:
TOWN OF POMARIA RECREATION CENTER RENOVATIONS
PROJECT LOCATION:
138 FOLK STREET, POMARIA, SC 29126



GENERAL NOTES:

GENERAL NOTES

THE GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS SHALL BE REQUIRED TO VISIT THE PREMISES TO INSPECT EXISTING CONDITIONS, BECOME FAMILIAR WITH LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND CORRELATE PERSONAL OBSERVATIONS WITH REQUIREMENTS OF THE DRAWINGS.

ALL WORK PERFORMED SHALL BE IN STRICT COMPLIANCE WITH COUNTY REGULATIONS AND CODES, O.S.H.A. STANDARDS, THE CODE STANDARDS LISTED, EXECUTED IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS, AND CONFORM TO SPECIFIC REGULATIONS AS MANDATED BY THE OWNER AND THE ARCHITECT.

IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO INSURE THE PROCUREMENT OF ALL REQUIRED AND NECESSARY PERMITS. ALL CONTRACTORS SHALL OBTAIN NECESSARY AND APPLICABLE, CITY/COUNTY PERMITS, INSPECTIONS AND APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WORK AND CERTIFICATE OF OCCUPANCY UPON COMPLETION OF PROJECT. CONTRACTOR SHALL FURNISH COPIES OF PERMITS, INSPECTIONS AND CERTIFICATES TO OWNER UPON REQUEST.

CONTRACTOR SHALL BE REQUIRED TO COORDINATE WORK SCHEDULE TO MINIMIZE DISRUPTION OF NORMAL ACTIVITIES AND TO AVOID INTERFERENCE WITH ADJACENT OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ADEQUATE PRECAUTIONS TO PROTECT SURROUNDINGS, MATERIALS AND EXISTING FINISHES THROUGHOUT ALL PHASES OF CONSTRUCTION AREAS AND OCCUPIED OR PUBLIC AREAS TO BE MAINTAINED BY CONTRACTOR. DAMAGE TO EXISTING-TO-REMAIN CONSTRUCTION, MATERIALS OR EQUIPMENT TO BE RESTORED TO ORIGINAL CONDITION.

CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF TRASH AND DEBRIS FROM JOB SITE ON A DAILY BASIS. FINAL CLEAN-UP WITHIN SCOPE OF WORK.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL RELATED TRADES AND VENDORS NECESSARY TO THE COMPLETION OF THE JOB ON A TIMELY BASIS.

DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY. SUBMIT TO ARCHITECT ANY DISCREPANCIES FOR CLARIFICATION

ALL WORK SHALL BE IN COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, CURRENT EDITION OF NATIONAL ELECTRIC CODE, INTERNATIONAL PLUMBING, AND MECHANICAL CODE, RECOGNIZED INDUSTRY STANDARDS, CRAFTSMANSHIP STANDARDS IN THE AREA, ALL MANUFACTURERS RECOMMENDATIONS, AND ALL OTHER APPLICABLE CODES.

THE DESIGN PROFESSIONAL DOES NOT GUARANTEE THE PERFORMANCE OF THE PROJECT IN ANY RESPECT OTHER THAN THAT OUR PROFESSIONAL WORK AND JUDGEMENT RENDERED MEET THE STANDARDS OF CARE OF OUR PROFESSION.

THE LOCATION OF THE EXISTING UTILITIES AND STRUCTURES SHOWN HEREON ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND ACTUAL LOCATION OF SUCH, WHETHER SHOWN HEREON OR NOT, PRIOR TO ANY EXCAVATION ANY DAMAGES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.

THE FLOOR ON BOTH SIDES OF A DOOR SHALL BE LEVEL AND SHALL HAVE THE SAME ELEVATION ON BOTH SIDES OF THE DOOR, FOR A DISTANCE ON EACH SIDE EQUAL TO THE WIDTH OF THE WIDEST SINGLE DOOR.

FIRE EXTINGUISHERS SHALL BE LOCATED PER THE REQUIREMENTS OF NFPA 10. THE SIZE SHALL BE A MINIMUM OF 2 A 10 BC 1 AND SHALL BE INSTALLED AT A MAXIMUM OF 48" A.F.F. TO THE TOP OF THE HANDLE.

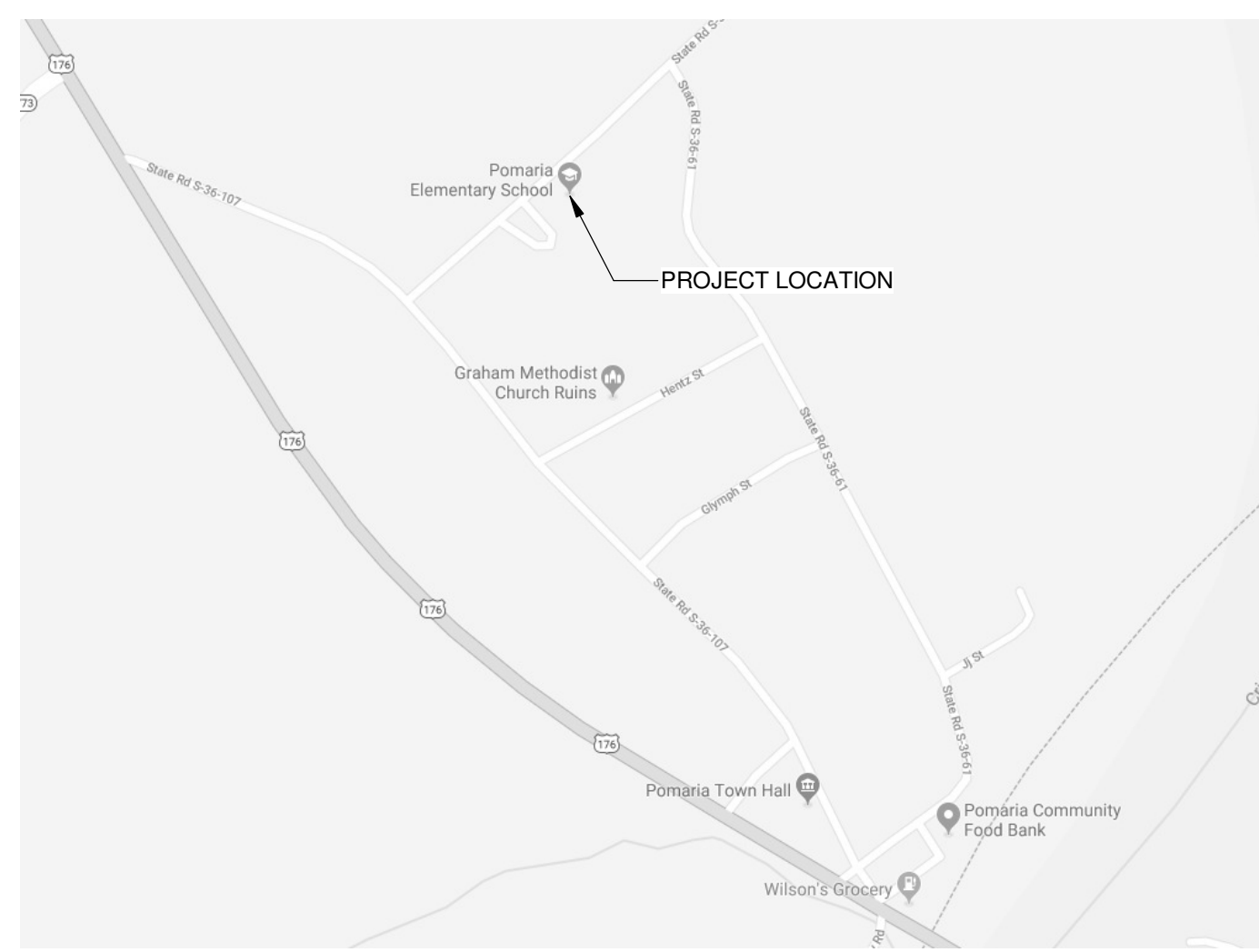
PROVIDE CONT. SOLID BLOCKING, AS REQUIRED, IN WALLS TO RECEIVE ACCESSORY ITEMS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
HANDRAILS
TOILET ROOM ACCESSORIES
GRAB BARS
FIRE EXTINGUISHER CABINETS & BRACKETS
CABINETS AND SHELVES

CLEAN WALLS, DOORS, DOOR FRAMES, HANDRAILS, GUARDRAILS, ETC. PER MANUFACTURERS RECOMMENDATIONS PRIOR TO SEALING AND PAINTING.

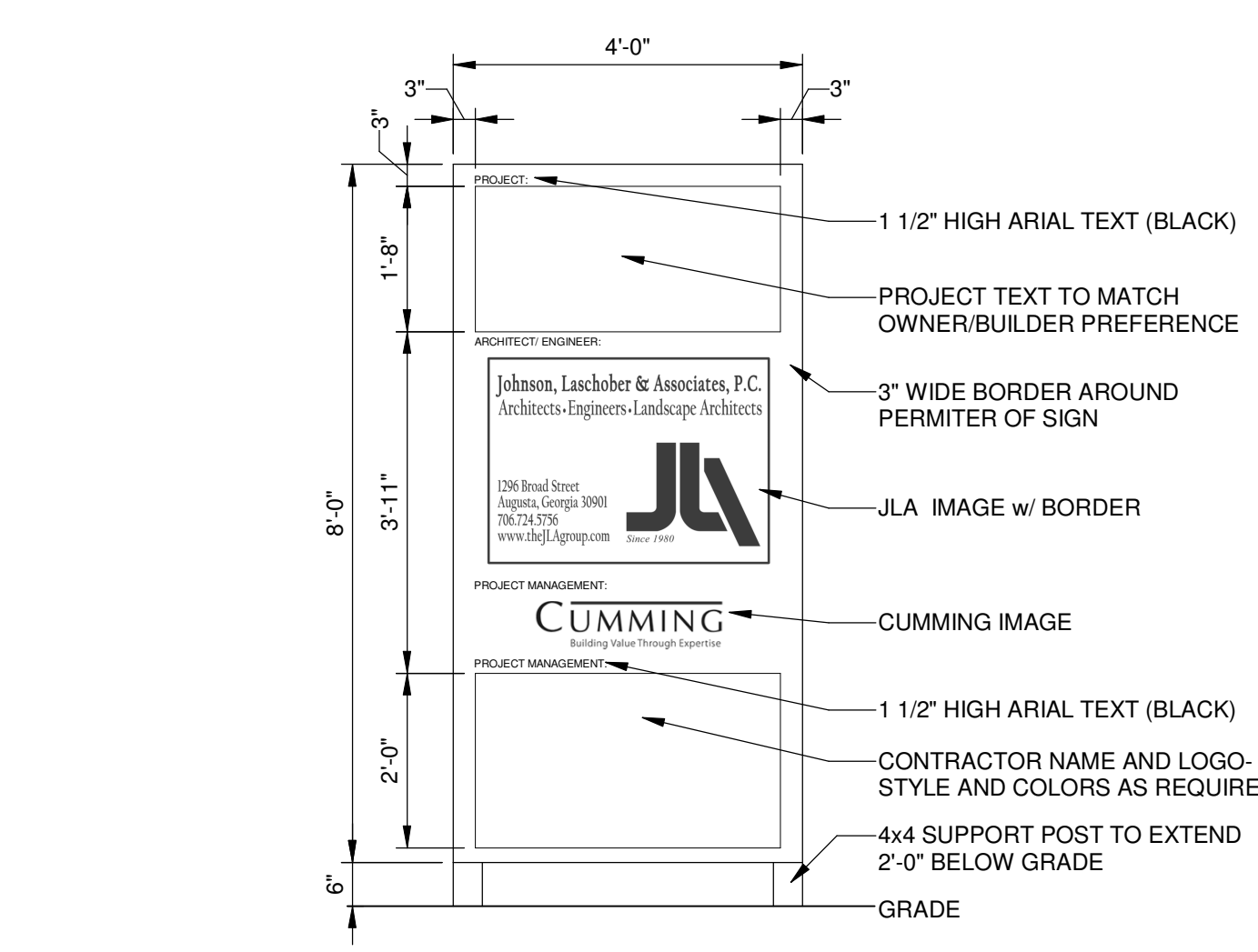
REFER TO THE STRUCTURAL DRAWINGS FOR INFORMATION ON CONSTRUCTION AND CONTROL JOINTS IN CONCRETE SLABS AND CONCRETE AND MASONRY WALLS. SLAB JOINTS ARE SPECIFIED AND LOCATED ON THE STRUCTURAL DRAWINGS.

TEMPORARY SIGNS: PROVIDE OTHER SIGNS AS REQUIRED TO INFORM PUBLIC AND INDIVIDUALS SEEKING ENTRANCE TO PROJECT.
PROVIDE TEMPORARY, DIRECTIONAL SIGNS FOR CONSTRUCTION PERSONNEL AND VISITORS. MAINTAIN AND TOUCHUP SIGNS SO THEY ARE LEGIBLE AT ALL TIMES.

PROJECT LOCATION MAP



JOB SITE SIGN



INDEX OF DRAWINGS

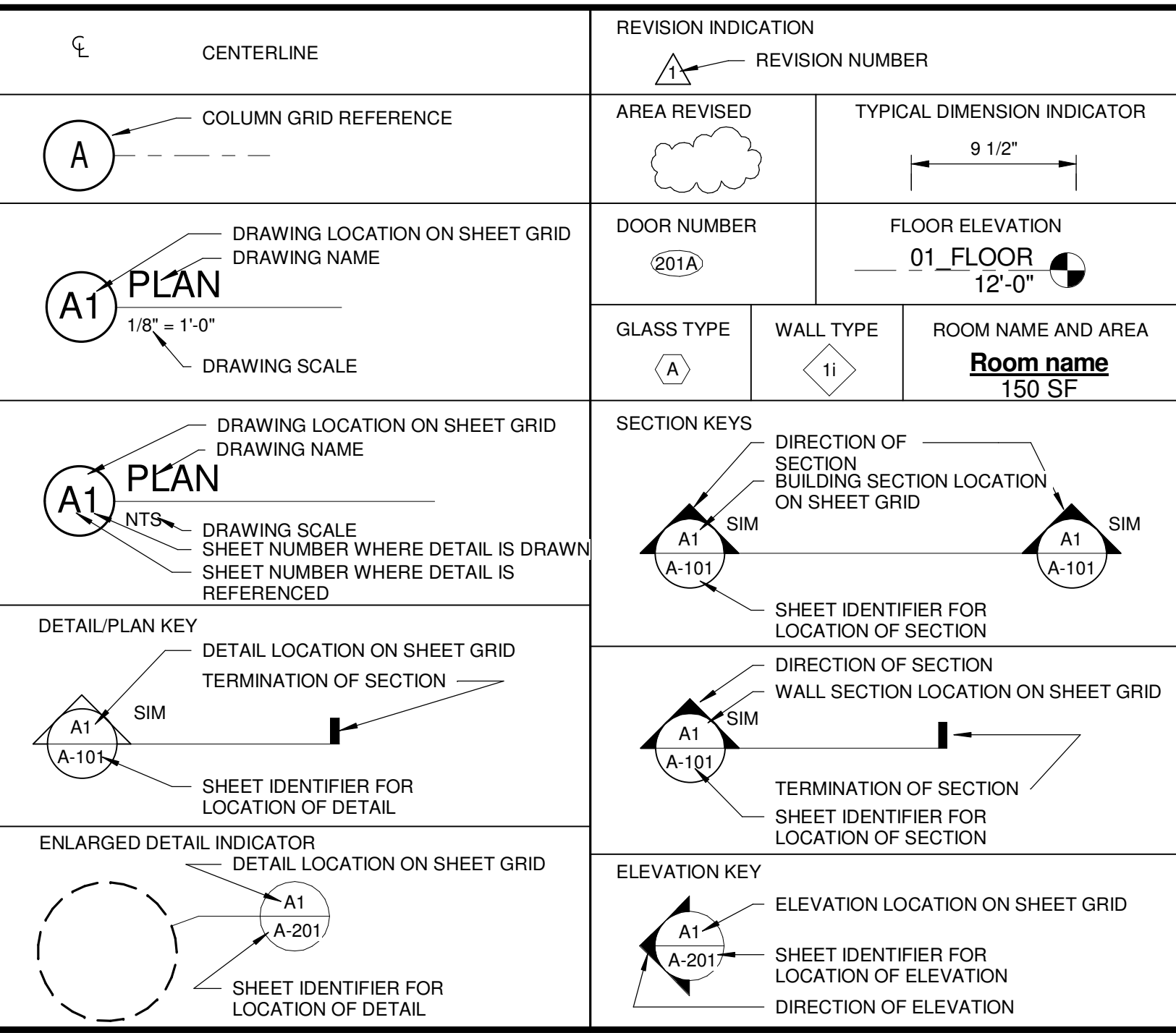
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PROJECT TEAM

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GRAPHIC SYMBOLS



ALTERNATES

- ALTERNATE #1**
-SAND BLAST EXISTING BREEZEWAY COVERING & FRONT FACADE OF CAFETERIA BUILDING & REPAIR
- ALTERNATE #2**
-HVAC TO BE BARD UNITS (6). SEE MECHANICAL DRAWINGS FOR DETAILS.
- ALTERNATE #3**
-REMOVE EXISTING WOOD FLOORING, SUBFLOOR SLEEPERS AND BASEBOARDS IN BASEMENT LEVEL TO EXPOSE CONCRETE SLAB.
- ALTERNATE #4**
-DEHUMIDIFICATION OF BASEMENT. SEE MECHANICAL DRAWINGS FOR DETAILS.
- ALTERNATE #5**
-ADDITION OF NEW CONNECTOR SIDEWALK FROM AUDITORIUM TO THE ROAD AND BREEZEWAY. SEE A-302 FOR DETAILS.

PROJECT NO.	3606.1705
DRAWN BY:	CBW
CHECKED BY:	WLD
DATE:	02/14/17
SHEET TITLE:	COVER SHEET
SCALE:	AS NOTED
DRAWING NO.	G-001
REV.	0

POMARIA, SC 29126

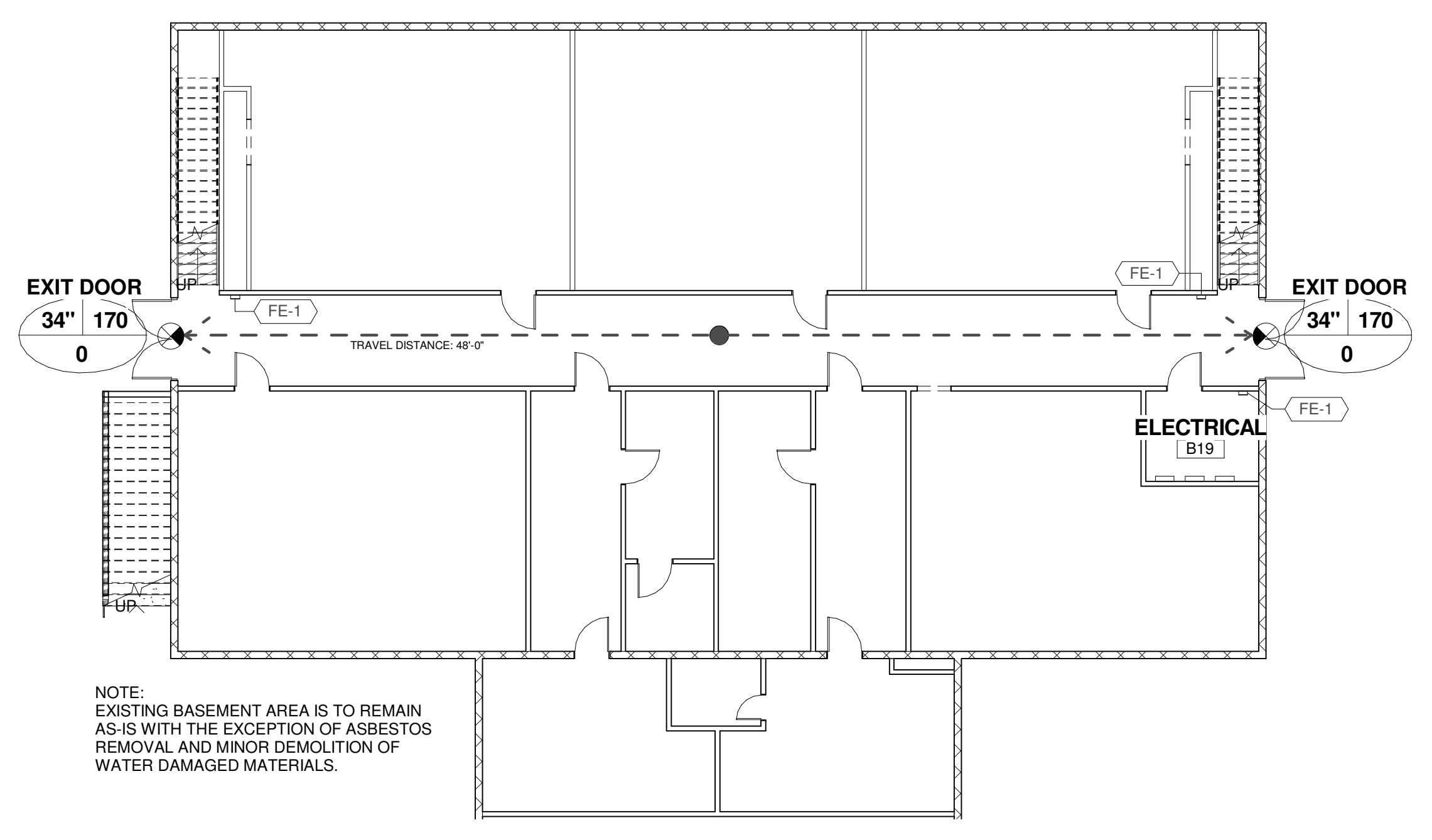
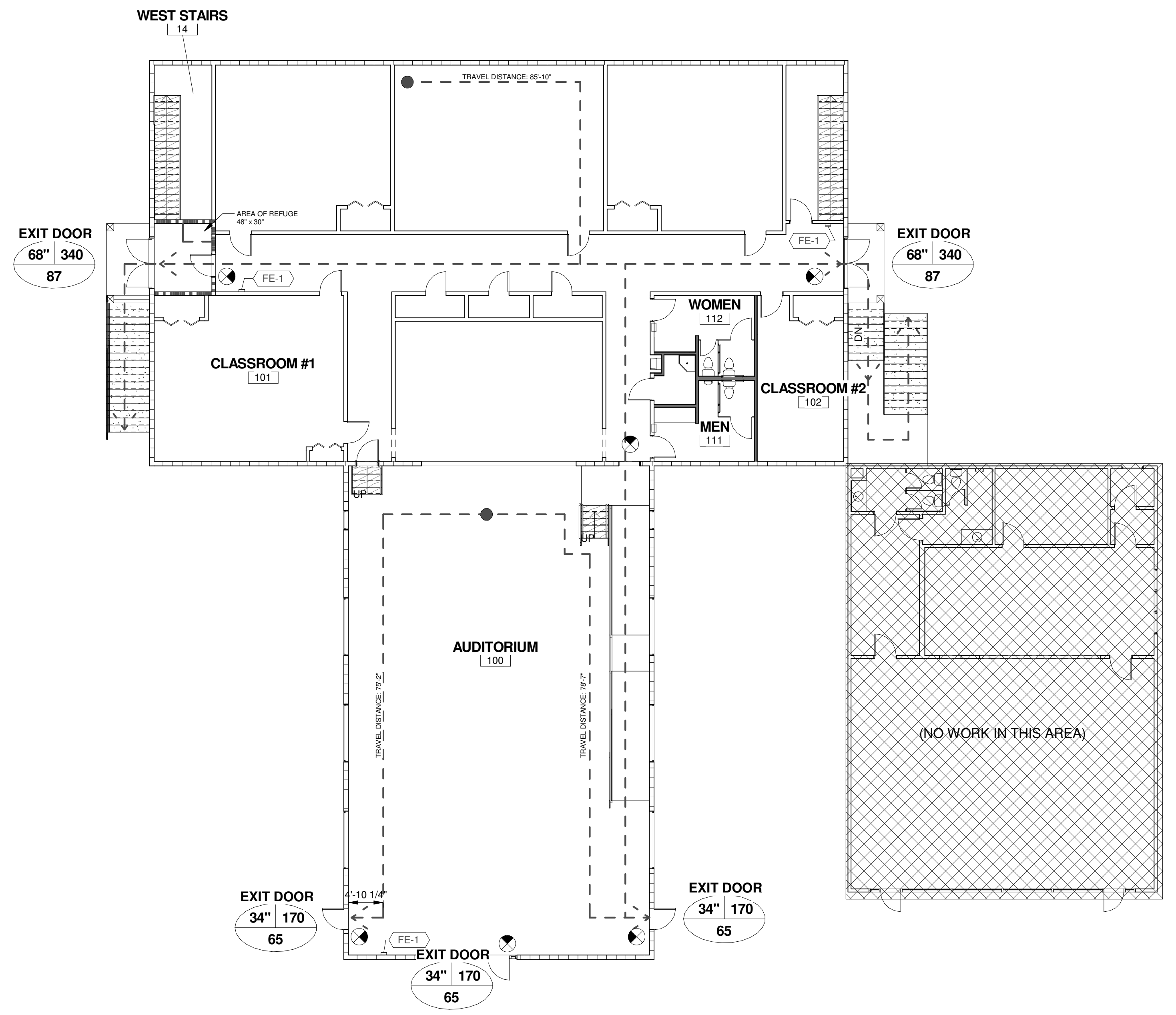
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CODE ANALYSIS

MINIMUM STANDARD CODES			
IBC - INTERNATIONAL BUILDING CODE	2015 EDITION, W/ SOUTH CAROLINA AMENDMENTS		
IFGC - INTERNATIONAL FUEL GAS CODE	2015 EDITION, W/ SOUTH CAROLINA AMENDMENTS		
IMC - INTERNATIONAL MECHANICAL CODE	2015 EDITION, W/ SOUTH CAROLINA AMENDMENTS		
IPC - INTERNATIONAL PLUMBING CODE	2015 EDITION, W/ SOUTH CAROLINA AMENDMENTS		
NATIONAL ELECTRICAL CODE	2014 EDITION		
INTERNATIONAL FIRE CODE	2015 EDITION, W/ SOUTH CAROLINA AMENDMENTS		
INTERNATIONAL ENERGY CONSERVATION CODE	2009 EDITION, W/ SOUTH CAROLINA AMENDMENTS		
ADA STANDARDS FOR ACCESSIBLE DESIGN	LATEST EDITION, W/ SOUTH CAROLINA AMENDMENTS		
NFPA - 101 LIFE SAFETY CODES	2015 EDITION		
REVIEW PER DESIGN			
NON SEPARATED OCCUPANCY (IBC CHAPTER 3, NFPA 101 CHAPTER 6)			
	IBC A-2	NFPA ASSEMBLY	
	IBC E	NFPA EDUCATIONAL	
TYPE OF CONSTRUCTION (IBC CHAPTER 6, NFPA 101 CHAPTER 6)			
	IBC VB		
SPRINKLER REQUIRED (IBC CHAPTER 9, NFPA CHAPTER 7)			
YES	NO	X LESS THAN 300 OCCUPANTS	SPRINKLER PROVIDED YES NO X
BUILDING FLOOR AREA ALLOWED PER FLOOR (IBC TABLE 503)			
1ST FLOOR	EXISTING		
2ND FLOOR	EXISTING		
TOTAL	EXISTING		
BUILDING HEIGHT (IBC TABLE 503)			
HEIGHT ALLOWED	55'-0" 2 STORY		
HEIGHT BY DESIGN	49'-0" TO RIDGE OF ROOF 2 STORY (EXISTING)		
OCCUPANT LOAD (IBC SECT. 1004 & TABLE 1004.1.2, NFPA T-7.3.1.2) =			
	ASSEMBLY CONCENTRATED	75SF PER PERSON	= 195 OCCUPANTS
	ASSEMBLY UNCONCENTRATED	15SF PER PERSON	= 173 OCCUPANTS
		TOTAL	= 368 OCCUPANTS
REQUIRED MEANS OF EGRESS			
	PER NFPA 101: 368 PEOPLE * .2" PER PERSON = 73.6"		
	EGRESS CAPACITY PROVIDED: 238"		
TRAVEL DISTANCES			
COMMON PATH (IBC 1006.2.1, NFPA T-A7.6)	75 FT		
DEAD END (IBC 1020.4, NFPA T-A7.6)	20 FT		
TRAVEL DISTANCE (IBC 1017.2, NFPA A7.6.1)	200 FT		
FIRE RESISTANCE RATING REQUIRED (IBC TABLE 601, NFPA TABLE A-8-2.1.2)			
STRUCTURAL FRAME	IBC 0 HR	NFPA 0 HR	
***Including columns, girders and trusses			
BEARING WALLS			
EXTERIORS	IBC 0 HR	NFPA 0 HR	
INTERIORS	IBC 0 HR	NFPA 0 HR	
NONBEARING WALLS & PARTITIONS			
EXTERIORS	IBC 0 HR	NFPA 0 HR	
INTERIORS	IBC 0 HR	NFPA 0 HR	
FLOOR CONSTRUCTION			
***Including supporting beams & joists	IBC 0 HR	NFPA 0 HR	
ROOF CONSTRUCTION			
***Including supporting beams & joists	IBC 0 HR	NFPA 0 HR	
REQUIRED SEPARATION OF OCCUPANCIES (IBC T-508.4, NFPA T-6.1.14.4.1)			
NON SEPARATED OCCUPANCIES	IBC 0 HR	NFPA 0 HR	

LIFE SAFETY PLAN LEGEND

	EGRESS TRAVEL PATH: DISTANCE NOTED IS ACTUAL.
ROOM NAME 101	ROOM NAME & NUMBER
xxx	SQUARE FOOTAGE
EXIT DOOR 68" 340 299	EXIT CAPACITY (DOOR EGRESS WIDTH / 0.2) ANTICIPATED LOAD EGRESS WIDTH
HO	HOLD OPEN
PD	PANIC DEVICE
(F.E.-1)	FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER
	EXIT SIGN
	1 HR RATED WALL UL U305 - WOOD STUD



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CLIENT: NEWBERRY COUNTY
PO BOX 156 NEWBERRY, SC 29108
PROJECT NAME: **TOWN OF POMARIA RECREATION CENTER RENOVATIONS**
PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126

STATE OF SOUTH CAROLINA
WATSON LEE
FORM III
GREENWOOD, SC
0023
REGISTERED ARCHITECT
10/12/16

SOUTH CAROLINA
JOHNSON, LASCOBER & ASSOCIATES, PC
No. C00790
CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
0	10/12/16	WLD	ISSUE FOR BID/PERMIT

PROJECT NO. 3606.1705
DRAWN BY: CBW
CHECKED BY: WLD
DATE: 02/14/17
SHEET TITLE: **LIFE SAFETY PLAN**

SCALE	AS NOTED
DRAWING NO.	REV
G-002	0

DRAWER: J.LASCOBER, P.E., REV: 02/15/2017 F.E.B.

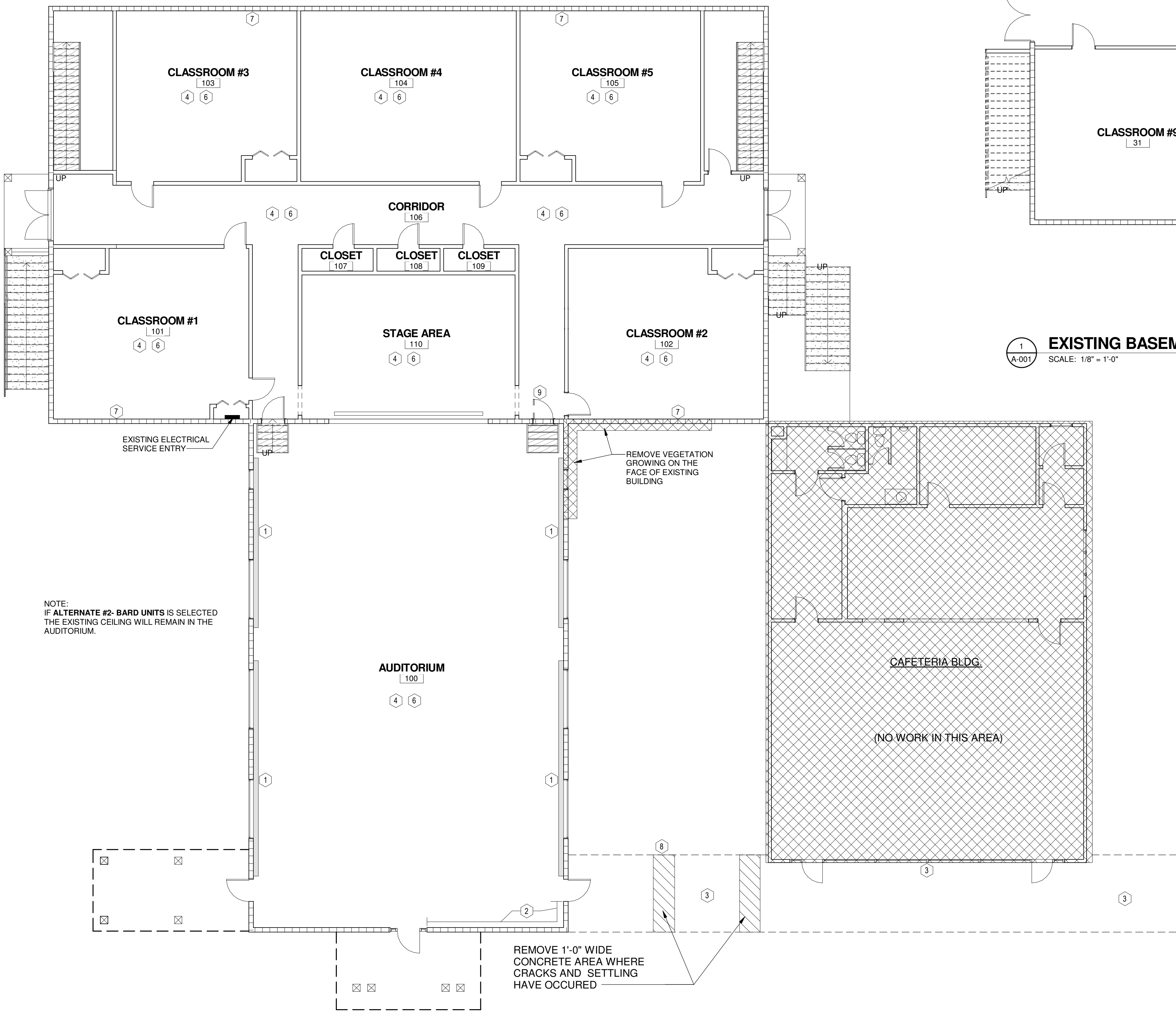
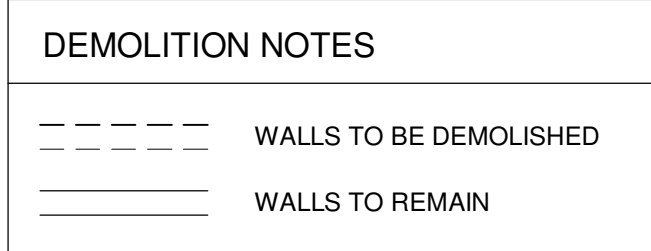
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DEMOLITION KEYNOTES

- 1 REMOVE EXISTING RADIATOR UNITS. REMOVED PIPING OF UNITS TO BELOW FINISHED FLOOR LEVEL AND CAP. REPAIR FLOOR AND WALL PAINT TO MATCH EXISTING.
- 2 REMOVE EXISTING PLASTER FINISH TO ALLOW FOR EXPOSED BRICK FINISH. SEE 4/A-100 FOR DETAIL.
- 3 SANDBLAST AND PAINT BREEZEWAY COVERING, RAILING & FRONT FACADE (HOLLOW METAL FRAMES & WOOD) OF CAFETERIA BUILDING.
- 4 REMOVE EXISTING CEILING, GRID SUPPORT SYSTEM AND INSULATION ABOVE.
- 5 REMOVED EXISTING HARDWOOD FLOORS, SUBFLOOR, BASE BOARDS & ANY SLEEPER BOARDS TO EXPOSE CONCRETE SLAB BENEATH.
- 6 EXISTING HARDWOOD FLOORS TO BE STRIPPED, SANDED & PREPPED TO RECEIVE NEW FINISH.
- 7 REMOVE EXISTING THRU WALL MOUNTED COMPACT AIR CONDITIONERS.
- 8 REMOVE EXISTING HANDRAIL AS REQUIRED FOR WORK IN COURTYARD AREA. HANDRAIL WILL BE SANDED, PAINTED, AND REINSTALLED TO MATCH CANOPY.
- 9 REMOVE EXISTING DOOR AND FRAME. WIDEN OPENING TOWARDS STAGE TO ACCOMMODATE A 36" WIDE CASED OPENING.

ALTERNATE #1

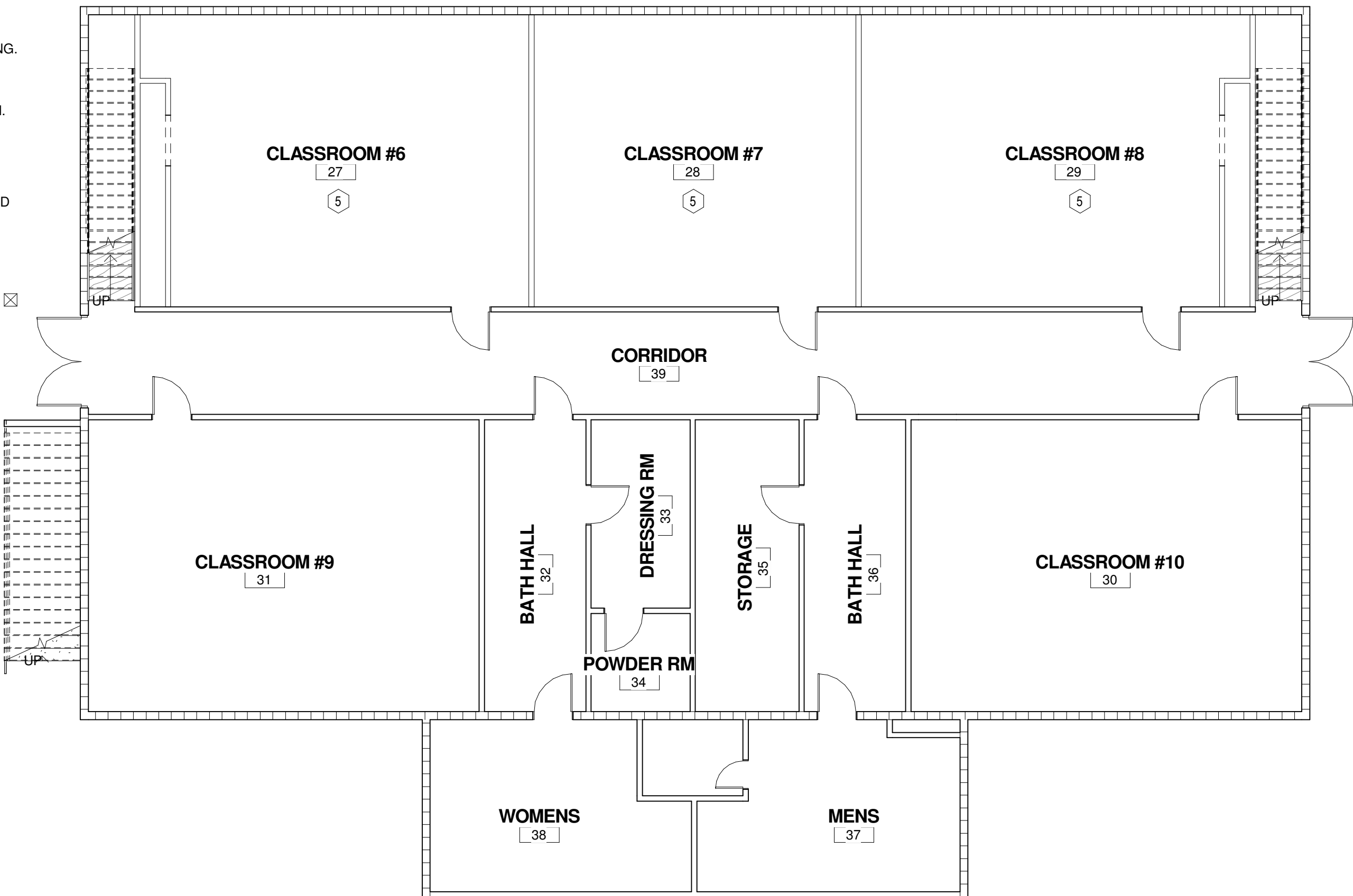
ALTERNATE #3



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

GENERAL DEMOLITION NOTES

1. THE SCOPE OF THE DEMOLITION WORK INCLUDES THE FOLLOWING (UNLESS SPECIFICALLY INDICATED OTHERWISE):
2. EXISTING DRAWINGS ARE INCLUDED TO PROVIDE A REFERENCE AND A BASE TO DESCRIBE THE WORK TO BE PERFORMED.
3. THE AREA SCHEDULED TO RECEIVE "NO WORK" HAS A SEPARATE POWER SERVICE FROM THIS PORTION OF THE FACILITY. THE OWNER MAY OCCUPY THIS BUILDING OR A PORTION OF THE ADJACENT BUILDING DURING THE CONSTRUCTION PHASE OF THIS PROJECT.
4. CONTRACTOR TO COORDINATE WORK SO AS TO NOT INTERFERE WITH OWNER SCHEDULED EVENTS.
5. PROTECT SIDEWALKS AND ENTRY TO MAINTAIN SAFE EGRESS FROM THE BUILDING.
6. EXISTING HARDWOOD FLOORS TO BE SANDED SMOOTH AND LEVEL TO EXPOSE BARE WOOD AND PREPPED TO RECEIVE NEW STAIN AND POLYURETHANE FINISH UNLESS NOTED OTHERWISE BY THE ARCHITECT.
7. ALL WALLS THAT ARE SCHEDULED TO BE REMOVED SHALL INCLUDE THE REMOVAL OF ALL GAS PIPING, ELECTRICAL AND PLUMBING WORK CONCEALED WITHIN THOSE WALLS.
8. ALL ABANDONED, NONESSENTIAL OR OTHERWISE NOT SPECIFICALLY SHOWN TO BE REUSED, MECHANICAL, PLUMBING OR ELECTRICAL UTILITIES THAT ARE EXPOSED AFTER CEILING OR WALL REMOVAL, ARE TO BE REMOVED AND CAPPED AT POINT OF ORIGIN. CONSULT ARCHITECT IF QUESTIONS ARISE AS TO WHETHER A SERVICE IS TO BE ABANDONED OR IS TO REMAIN.
9. ALL OTHER COMPONENTS OF THE EXISTING CONSTRUCTION, NOT ESSENTIAL TO REMAIN, THAT WOULD INTERFERE WITH THE INSTALLATION OF NEW WORK OR INTERFERE WITH THE INSTALLATION OF NEW FLUSH, UNBROKEN PLUMB AND LEVEL WALL, CEILING, AND FLOOR SURFACES, SHALL BE REMOVED.
10. ALL EXISTING UTILITY SERVICE LINES IN RENOVATED AREAS SHALL CONNECT TO NEW SERVICE LINES OR BE REMOVED AND CAPPED OFF AS REQUIRED. REMOVE AND CAP OFF ALL ABANDONED UTILITIES BEHIND FINISH WALL SURFACES OR BELOW FLOOR SLABS WHICH ARE EXPOSED DURING THE WORK.
11. ALL EXPOSED MATERIALS INCLUDED, BUT NOT LIMITED TO, CONCRETE, MASONRY, AND TILE WILL BE CUT IN STRAIGHT LINES PLUMB OR LEVEL USING CONCRETE SAWS, SCORING KNIVES OR OTHER APPROPRIATE TOOLS AS REQUIRED TO GIVE SMOOTH CLEAN EDGES. IRREGULARITIES IN EXPOSED SURFACES OR SURFACES TO BE REFINISHED SHALL BE GROUND SMOOTH OR FILLED FLUSH.
12. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR THE REGULAR DAILY REMOVAL OF ALL WASTE MATERIAL FROM THE PROJECT SITE AND BE RESPONSIBLE FOR KEEPING ALL AREAS CLEAN.
13. SALVAGE: THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL MATERIAL AND ITEMS TO BE REMOVED. THE GENERAL CONTRACTOR SHALL NOTIFY THE OWNER WHEN DEMOLITION IS ABOUT TO BEGIN AND CONDUCT A SURVEY WITH THE OWNER TO IDENTIFY THOSE ITEMS TO BE SALVAGED. ITEMS IDENTIFIED BY THE OWNER TO BE SALVAGED AND TURNED OVER TO THE OWNER ARE TO BE REMOVED BY THE GENERAL CONTRACTOR AND DELIVERED TO A MUTUALLY AGREED LOCATION.
14. EXTERIOR DOORS AND WINDOWS THAT ARE TO REMAIN ARE TO BE PROTECTED DURING DEMOLITION ACTIVITIES.
15. ALL EXISTING MECHANICAL UNITS, DUCTWORK, GRILLES AND DIFFUSERS TO BE REMOVED ENTIRELY. OWNER RETAINS SALVAGE RIGHTS TO HVAC EQUIPMENT UNLESS NOTED OTHERWISE.
16. ALL ELECTRICAL SERVICE PANELS, BRANCHWIRING, RECEPTACLES AND LIGHT FIXTURES TO BE REMOVED ENTIRELY.



NOTE:
IF ALTERNATE #2- BARD UNITS IS SELECTED
THE EXISTING CEILING WILL REMAIN IN THE
AUDITORIUM.

REMOVE VEGETATION
GROWING ON THE
FACE OF EXISTING
BUILDING

REMOVE 1'-0" WIDE
CONCRETE AREA WHERE
CRACKS AND SETTLING
HAVE OCCURED

CAFETERIA BLDG.
(NO WORK IN THIS AREA)

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PROJECT NAME: TOWN OF POMARIA RECREATION CENTER RENOVATIONS

PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126

WATSON LEE, P.C. III
REGISTERED ARCHITECT
10/12/16

JOHNSON, LASCHOBER & ASSOCIATES, P.C.
No. C00790
CERTIFICATE OF AUTHORIZATION

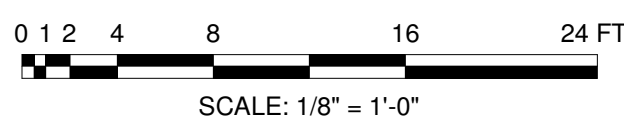
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0	10/12/16	WLD		

PROJECT NO. 3606.1705
DRAWN BY: CBW
CHECKED BY: WLD
DATE: 02/14/17

SHEET TITLE: **DEMOLITION PLAN**

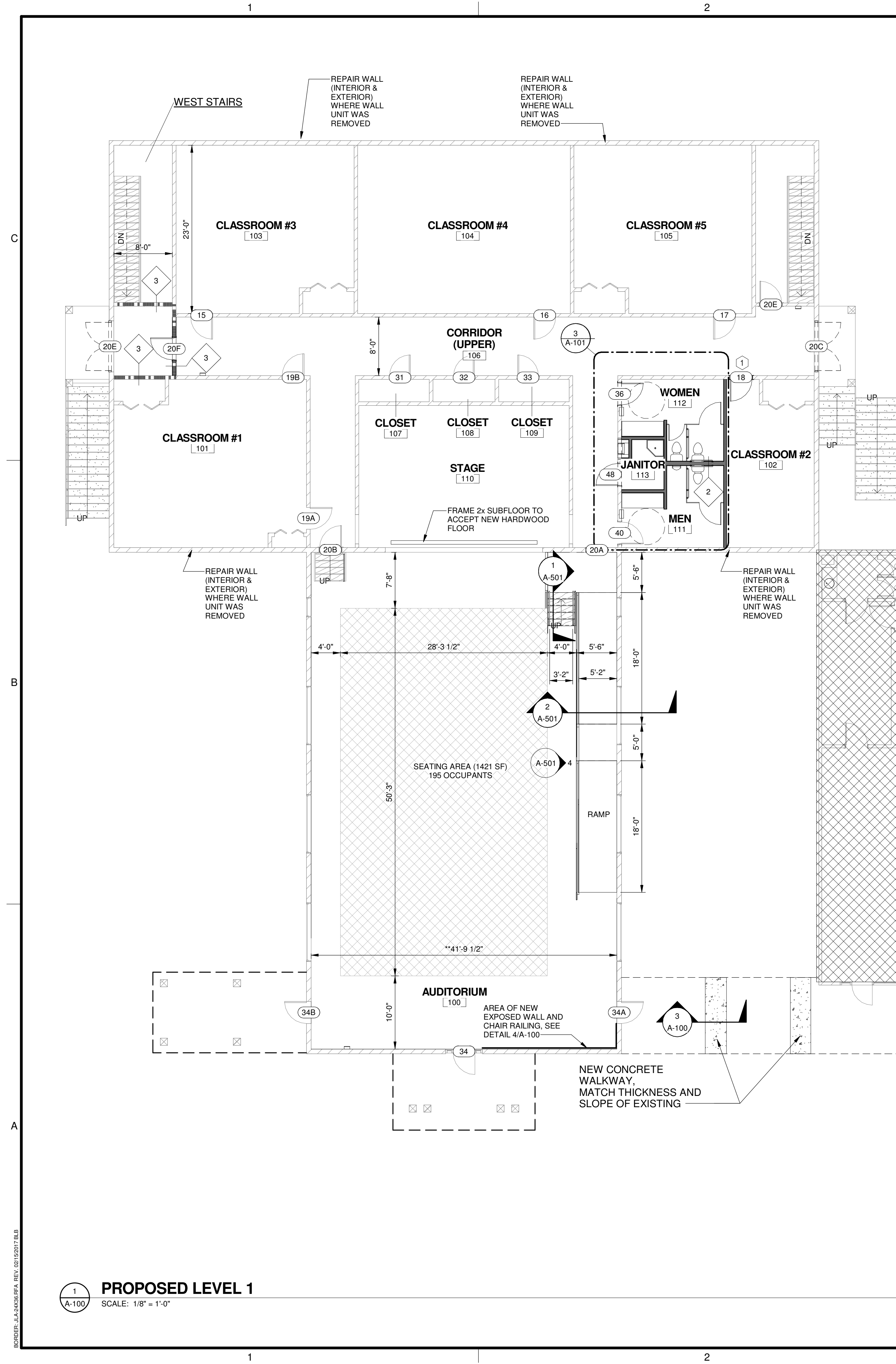
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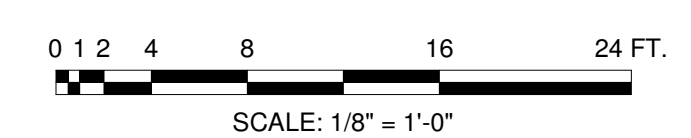
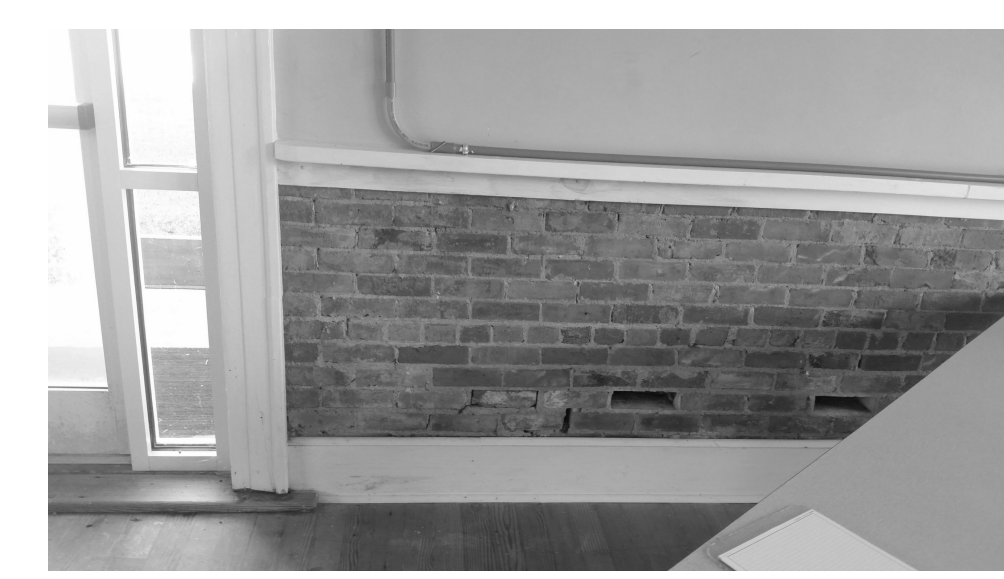
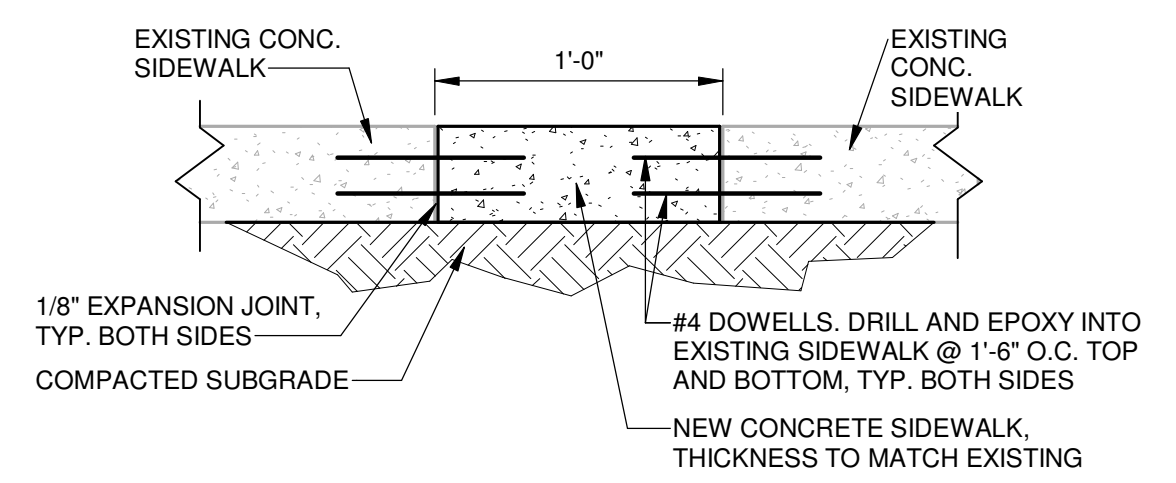
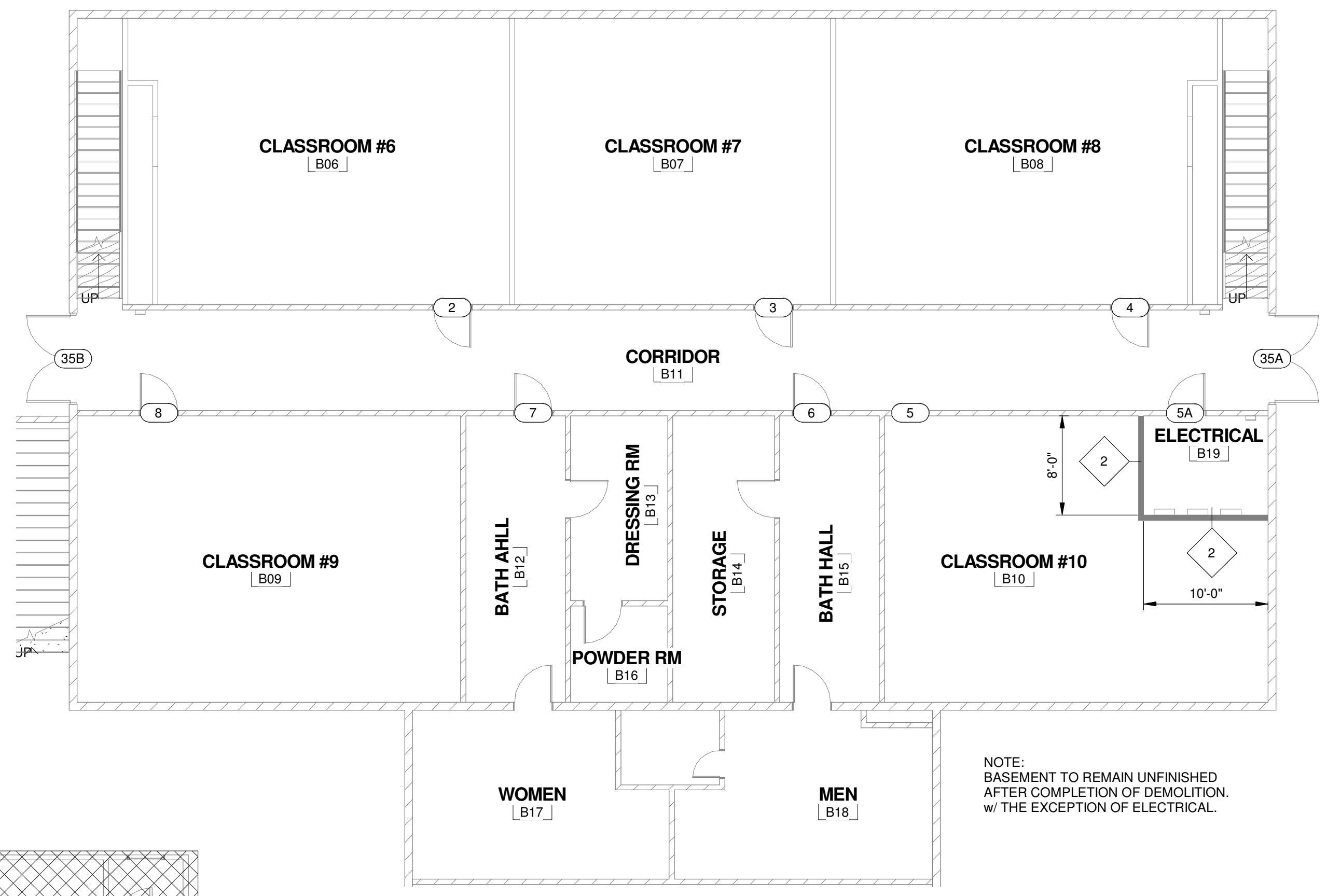



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- NOTES**
- 1 DOOR TO REMAIN. ADJUST HARDWARE AND FRAME TO REFLECT NEW DOOR SWING.
 - NEW WALL. ALL WALLS TYPE 1 U.N.O., SEE WALL TYPE DETAILS ON A-701



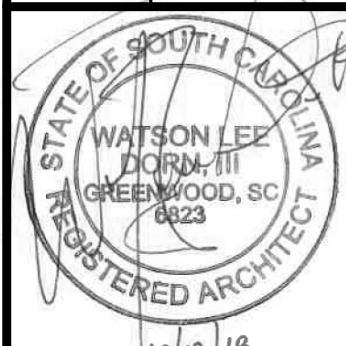


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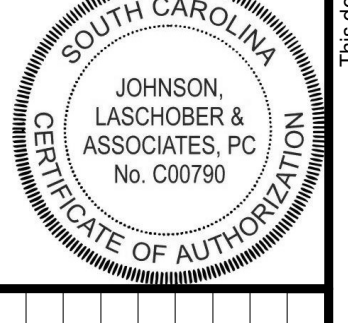
CLIENT: NEWBERRY COUNTY
PO BOX 156 NEWBERRY, SC 29108

PROJECT NAME: **TOWN OF POMARIA RECREATION CENTER RENOVATIONS**

PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126



WATSON LEE
ARCHITECT
GREENWOOD, SC
0223
10/12/16



JOHNSON, LASCHNER & ASSOCIATES, P.C.
No. C00790
CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION

PROJECT NO. 3606.1705
DRAWN BY: CBW
CHECKED BY: WLD
DATE: 02/14/17
SHEET TITLE: **PROPOSED FLOOR PLAN**

SCALE AS NOTED

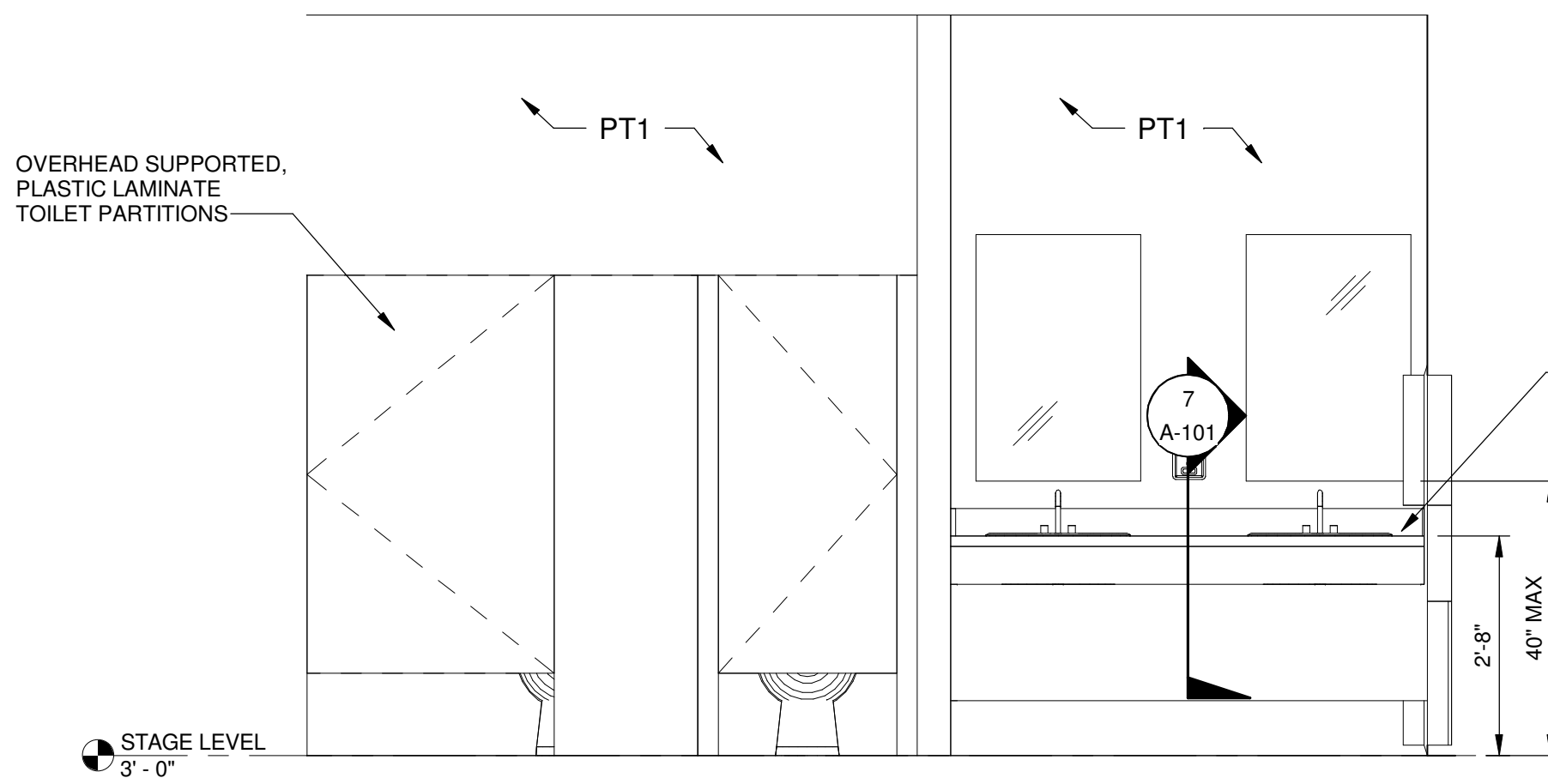
DRAWING NO. **A-100** REV.

10/18/2018 3:15:02 PM C:\REVIT - Local Progress\36061705-Pomaria\36061705_Arch_Local_LW\akerr.rvt This document is the property of Johnson, Laschner & Associates, P.C. The unauthorized reproduction, copying or otherwise use of this document is strictly prohibited and any infringement thereupon may be subject to legal action.

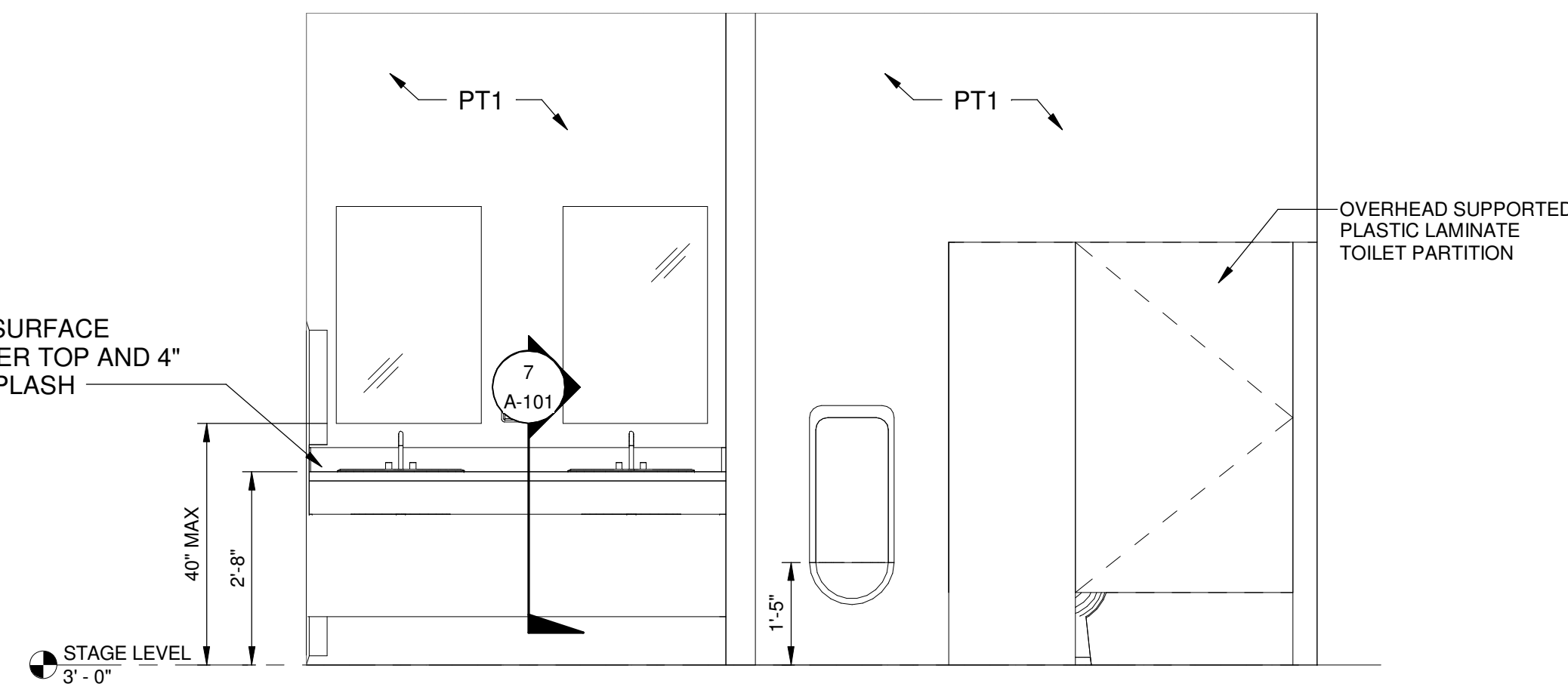
ACCESSORY SCHEDULE

KEY	ACCESSORY DESCRIPTION	BOBRICK NO. / ASI NO. *	MOUNTING HEIGHT
TT	SURFACE-MOUNTED JUMBO ROLL TISSUE DISPENSER	ASI 0042	BOTTOM OF UNIT - 1'-6"
SDU	SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL	ASI 0852	TOP OF UNIT - 2'-5"
BCS	HORIZONTAL SURFACE-MOUNTED STAINLESS STEEL FINISH BABY CHANGING STATION	ASI 9013-9	TOP OF UNIT - 4'-0"
PTWR	SEMI-RECESSED PAPER TOWEL DISPENSER/WASTE RECEPTACLE	ASI 0469-2	CENTER OF UNIT - 4'-0"
MG1	GLASS MIRROR WITH STAINLESS STEEL ANGLE FRAME	ASI 0620-2436	BOTTOM OF UNIT - 3'-4"
SD	SURFACE-MOUNTED SOAP DISPENSER	ASI-0347	BOTTOM OF UNIT - 3'-6"
GB18	1 1/2" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE	B-6806 x 18	CENTER OF UNIT - 3'-3"
GB36	1 1/2" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE	B-6806 x 36	TOP OF UNIT - 3'-0"
GB42	1 1/2" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE	B-6806 x 42	TOP OF UNIT - 3'-0"

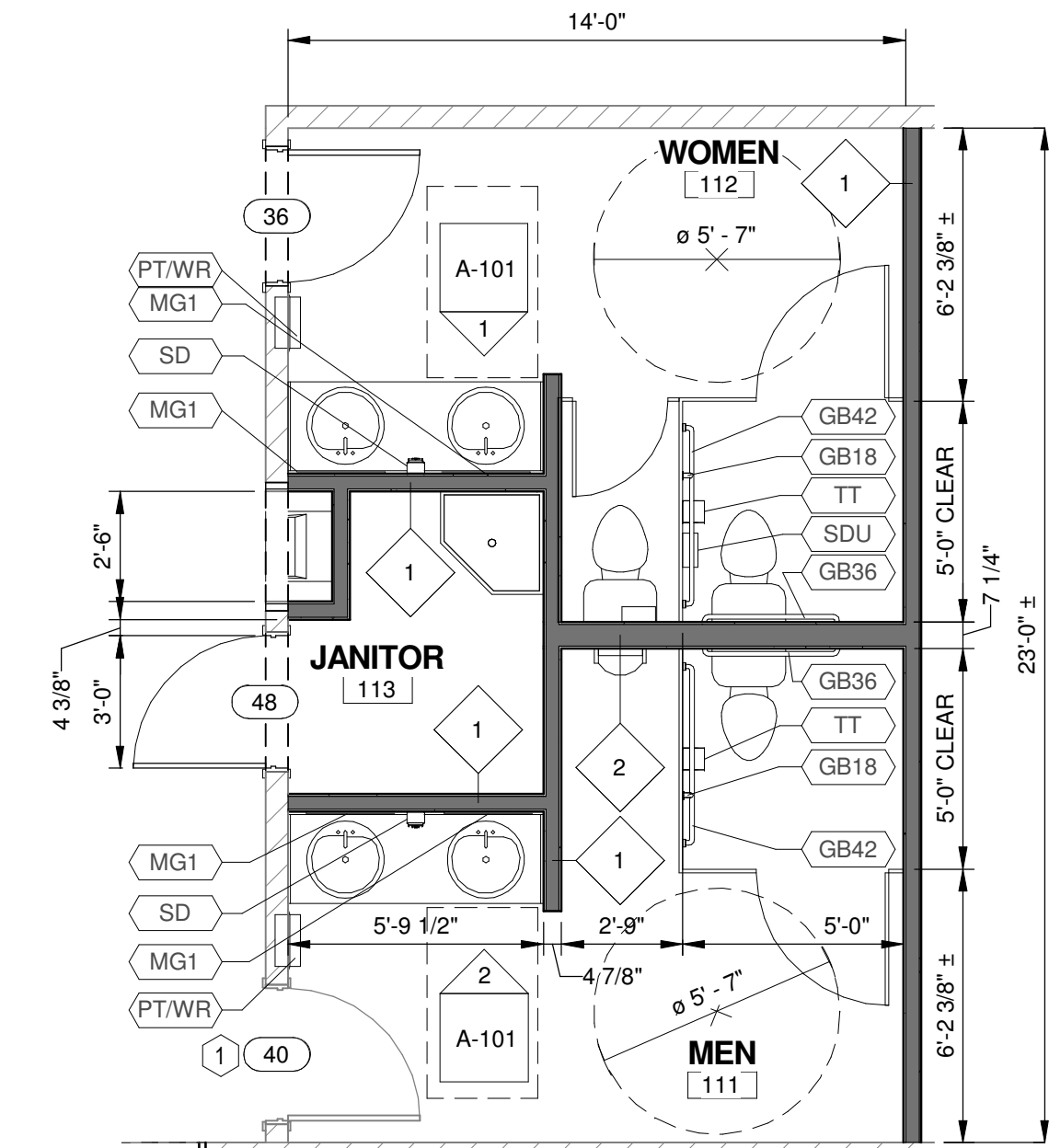
- NOTES:
- CONTRACTOR TO PROVIDE BOBRICK OR ASI ACCESSORIES AS NOTED OR APPROVED EQUAL
 - ALL ACCESSORIES TO HAVE MAX PROJECTION OF 4"
 - SEE PLUMBING DRAWINGS FOR PLUMBING FIXTURES SCHEDULE



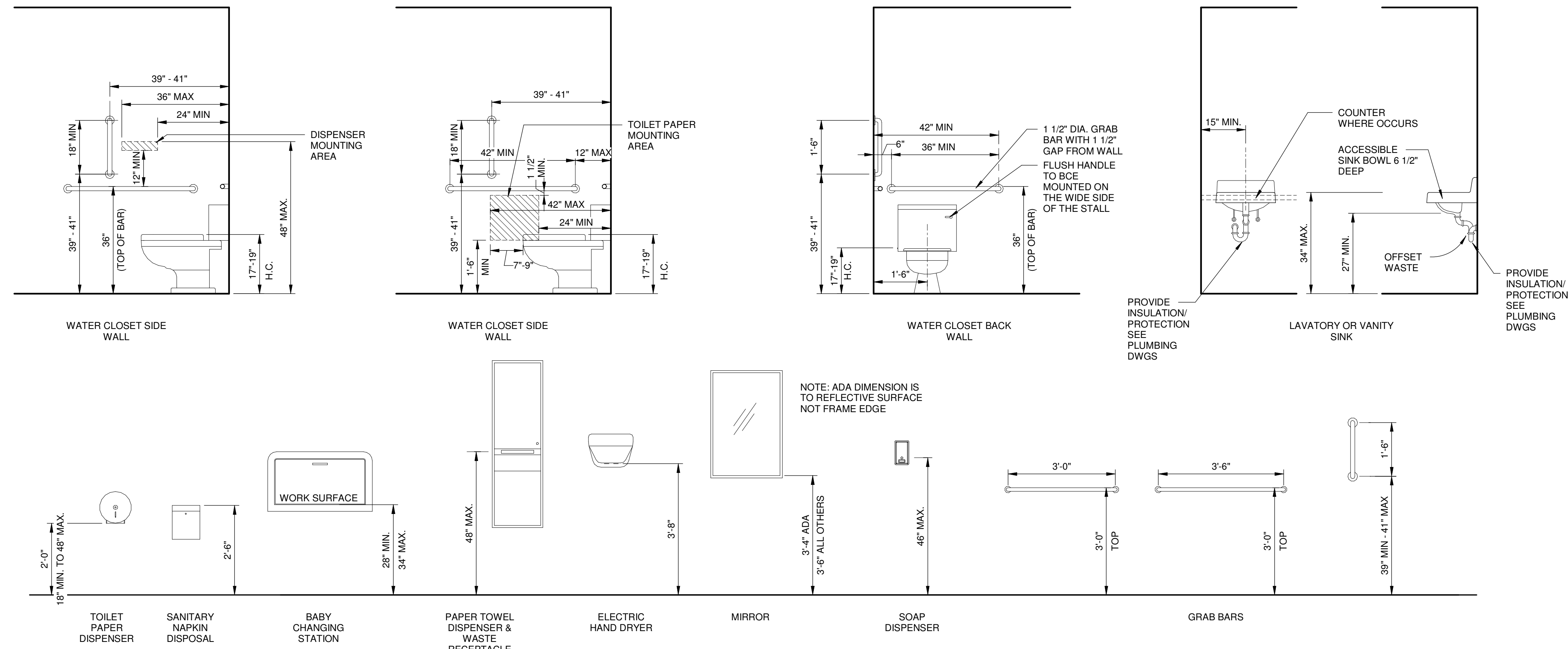
1 WOMEN-36
SCALE: 1/2" = 1'-0"



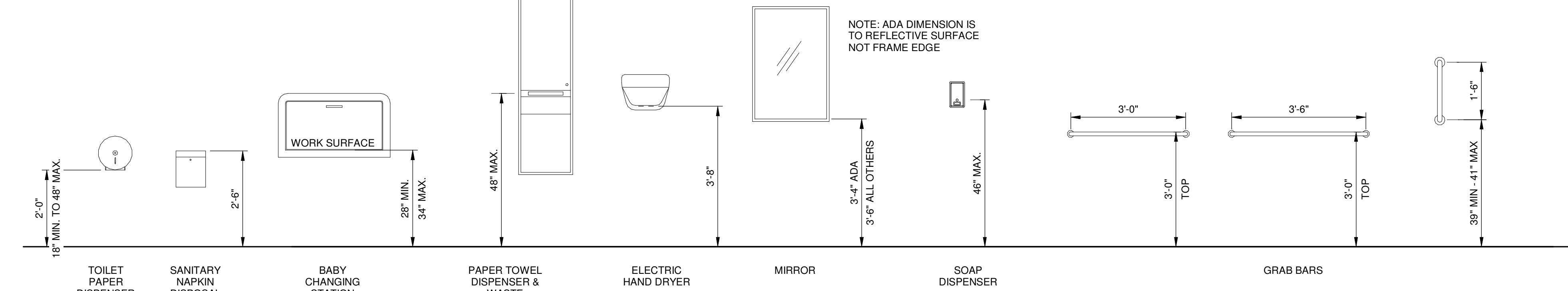
2 MEN-40
SCALE: 1/2" = 1'-0"



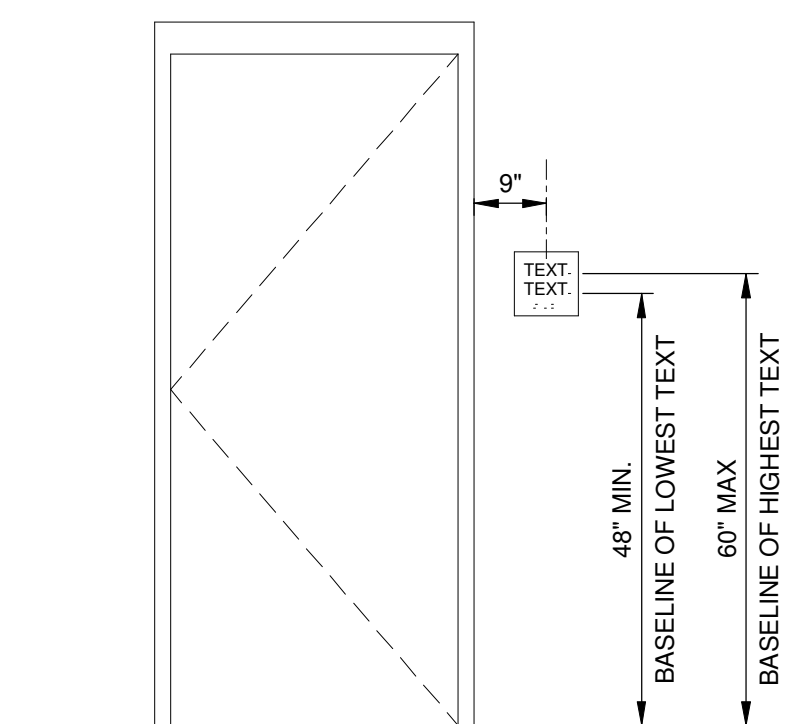
3 ENLARGED MEN 40 & WOMEN 36
SCALE: 1/4" = 1'-0"



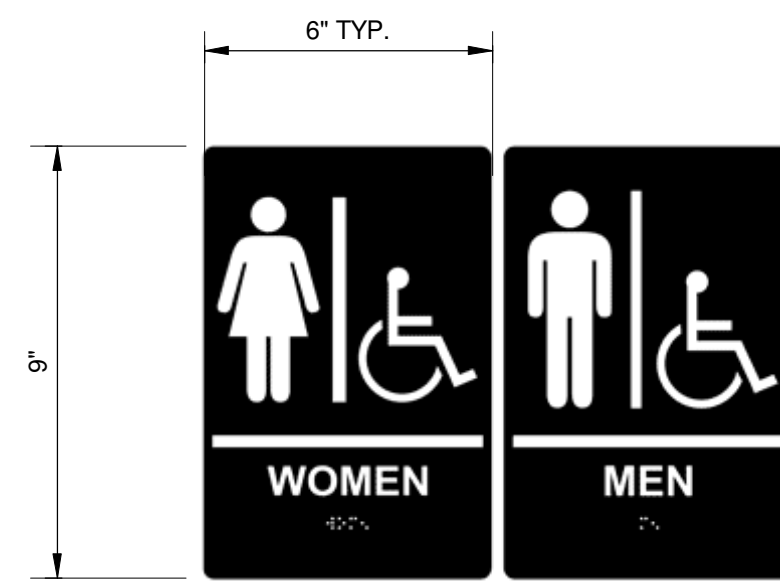
5 TYPICAL TOILET ACCESSORIES, PLUMBING FIXTURES & MOUNTING HEIGHTS
SCALE: 1/2" = 1'-0"



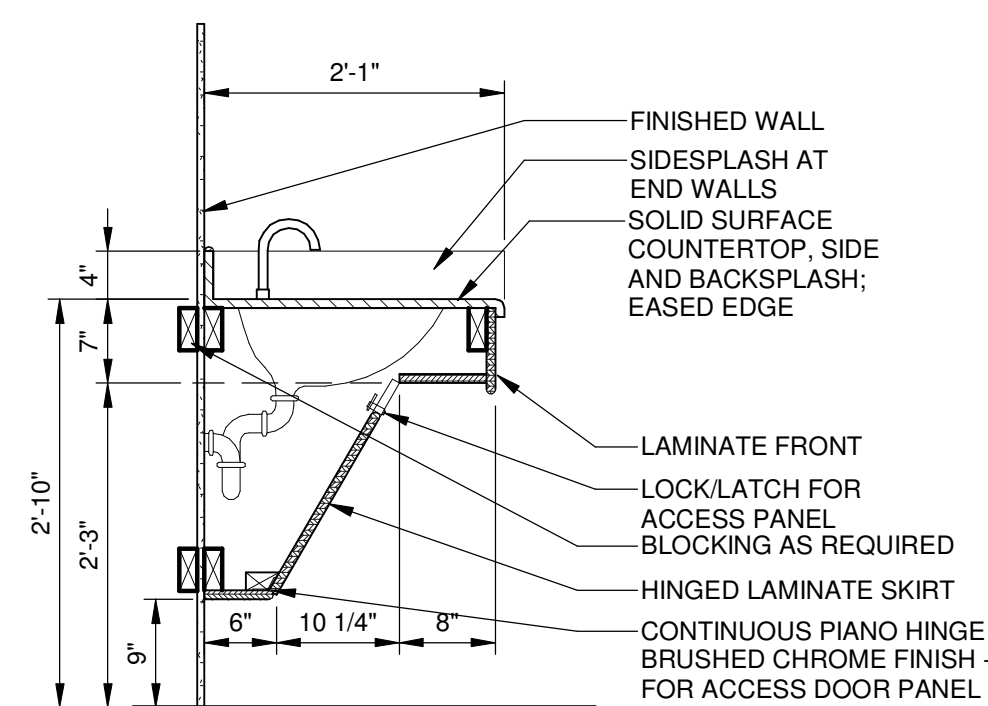
5 TYPICAL TOILET ACCESSORIES, PLUMBING FIXTURES & MOUNTING HEIGHTS
SCALE: 1/2" = 1'-0"



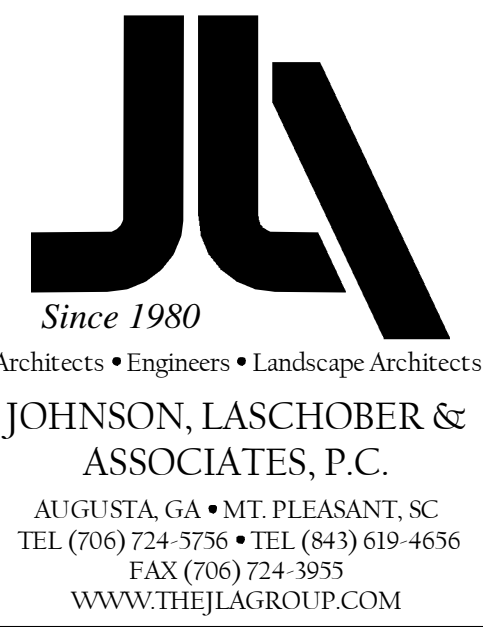
4 SIGN LOCATION DETAIL
SCALE: 1/2" = 1'-0"



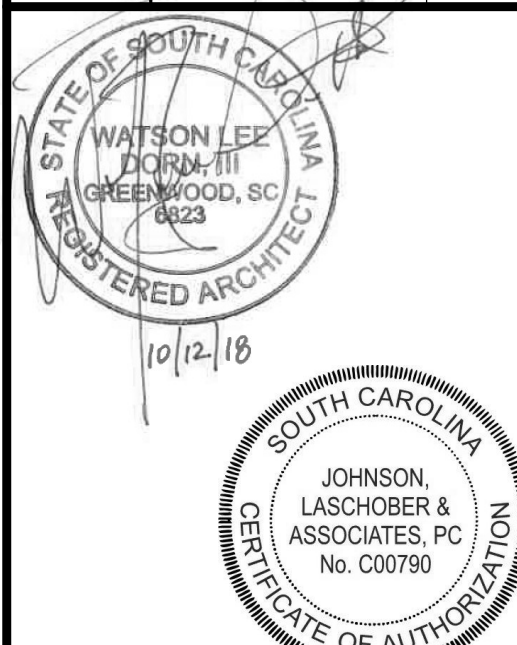
6 RESTROOM SIGN
SCALE: 3" = 1'-0"



7 COUNTER/SINK SECTION
SCALE: 3/4" = 1'-0"



CLIENT: NEWBERRY COUNTY
PO BOX 156 NEWBERRY, SC 29108
PROJECT NAME: TOWN OF POMARIA RECREATION CENTER RENOVATIONS
PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126



REV	DATE	BY	ISSUE FOR BID/PERMIT	DESCRIPTION
0	10/12/18	WLD		

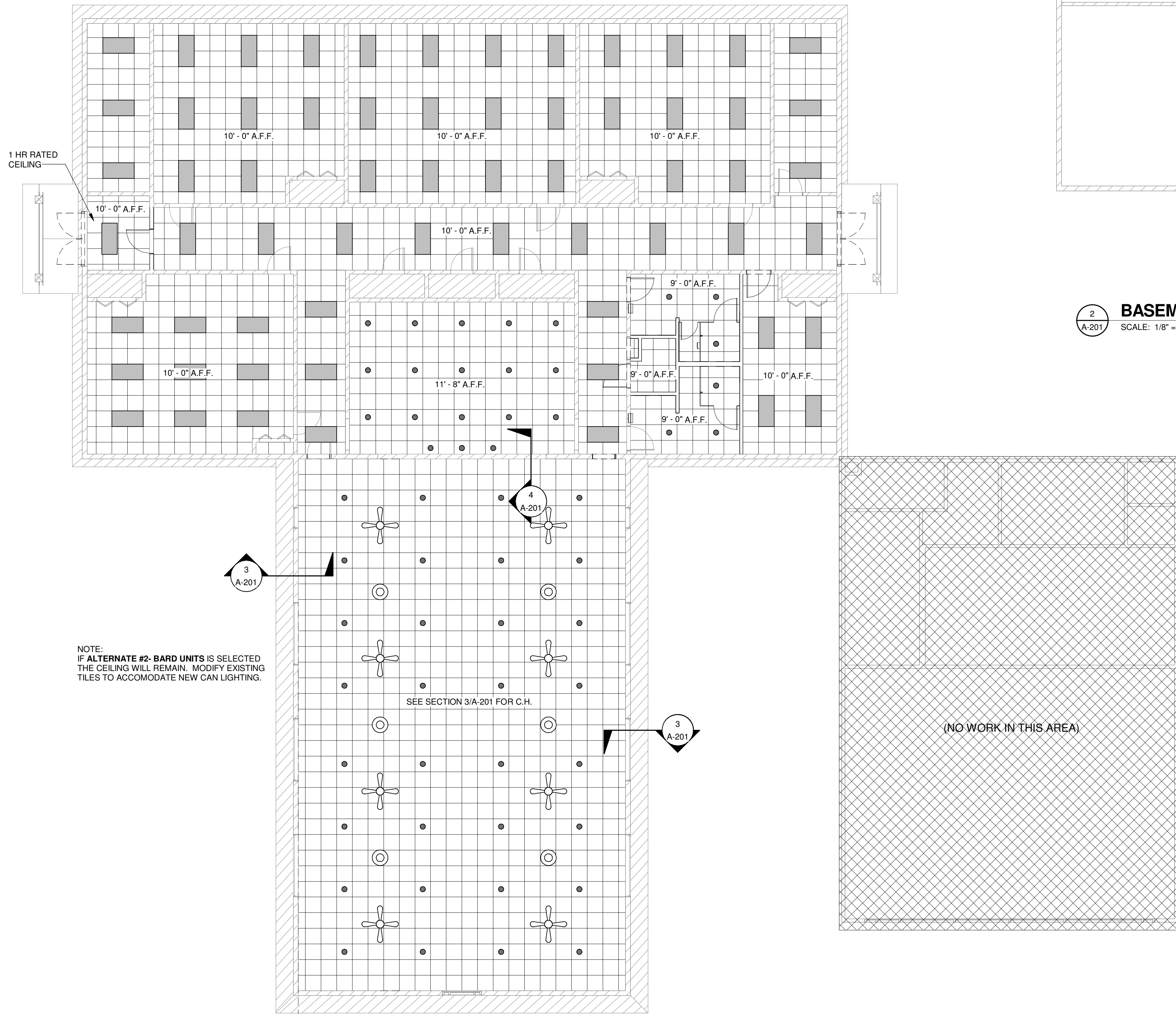
PROJECT NO. 3606.1705
DRAWN BY: CBW
CHECKED BY: WLD
DATE: 02/14/17

ENLARGED TOILETS & TOILET ACCESSORIES

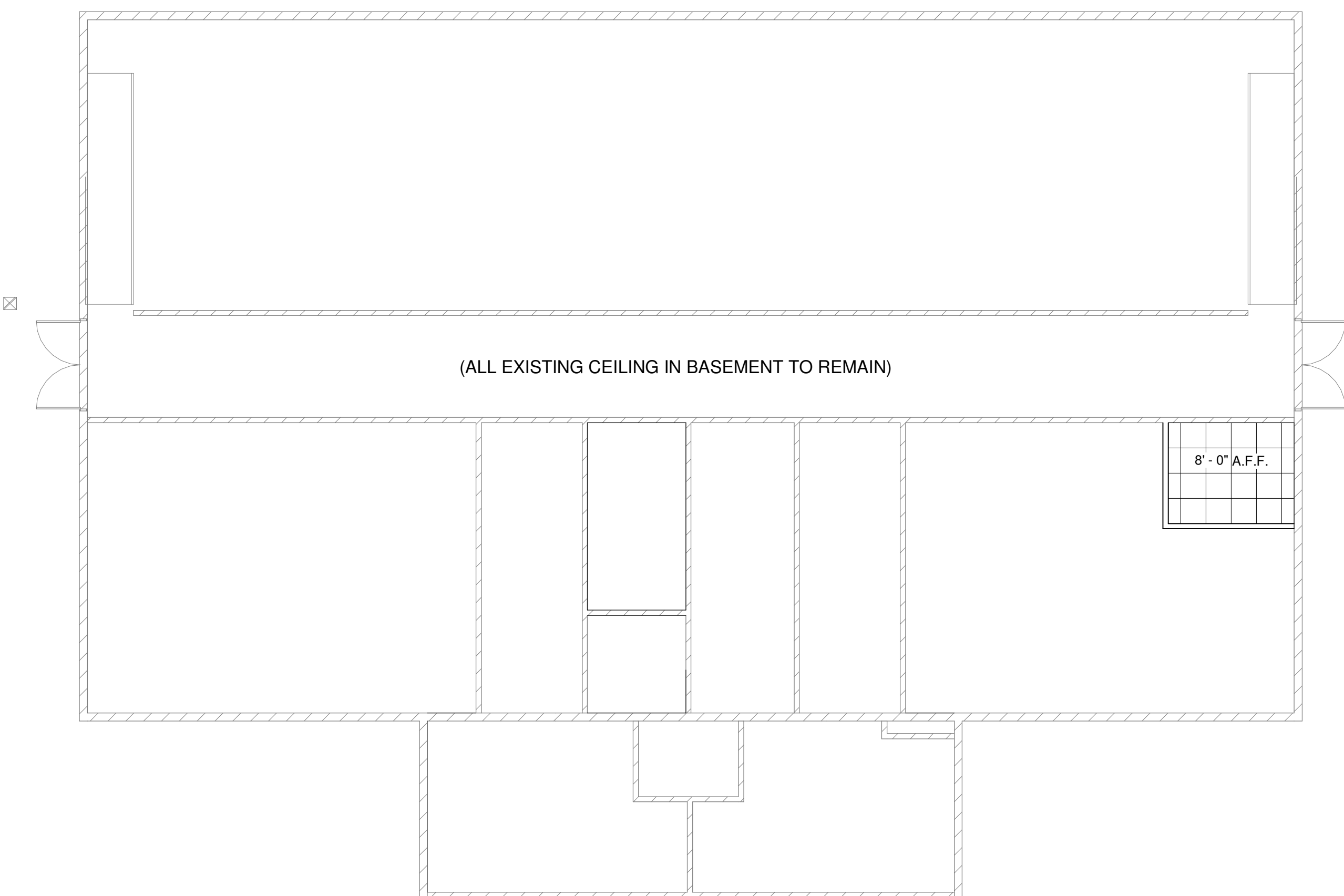
SCALE AS NOTED
DRAWING NO. A-101
REV 0

CEILING LEGEND			
	ACOUSTICAL CEILING TILE 2X2 LAY-IN CEILING PANEL WITH SUSPENDED GRID, NEW R19 BATT INSULATION TO BE INSTALLED ABOVE GRIDS		MECH DIFFUSER / RETURN GRILLE SEE MECH DWGS.
	HARD CEILING- PAINTED (GYP) GYPSUM BOARD PAINTED		LAY-IN FIXTURE 2 X 4 LIGHT FIXTURE
	METAL PANEL SOFFIT		RECESSED LIGHT FIXTURE
	EXIT LIGHT		PENDENT LIGHT FIXTURE
			SUSPENDED FIXTURE
			EMERGENCY FIXTURE

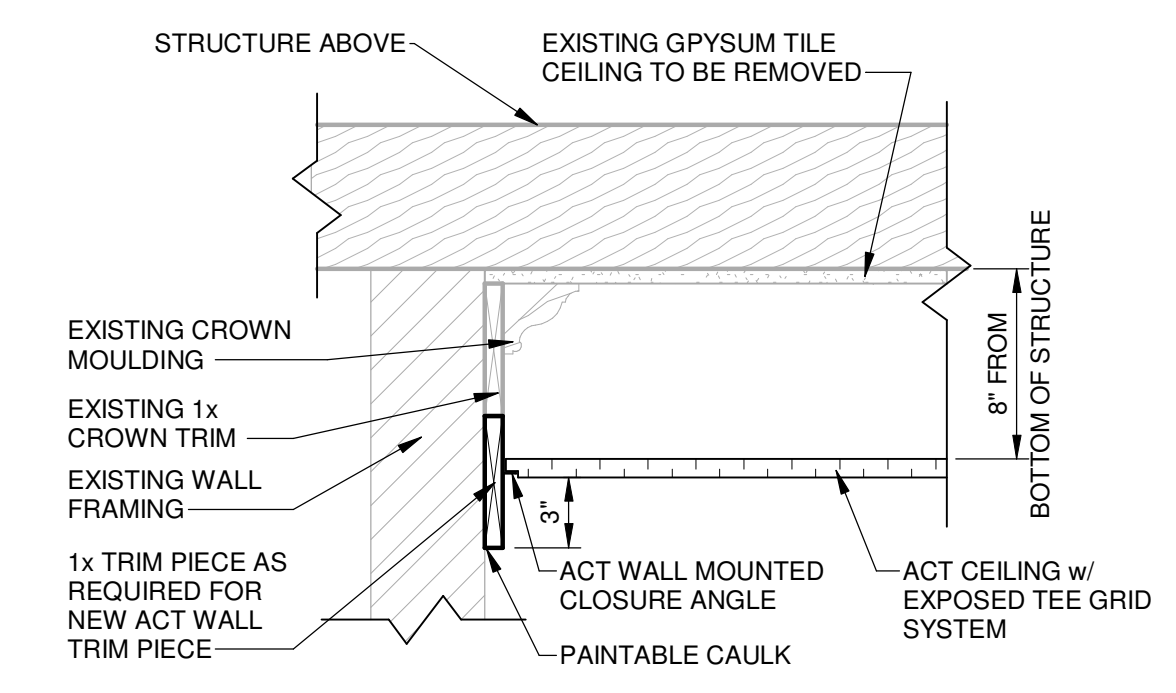
NOTES:
1. SEE ALL ELECTRICAL AND MECHANICAL DRAWINGS FOR ALL RELATED ITEMS.
2. SEE ELECTRICAL DRAWINGS FOR FIXTURE SCHEDULE.



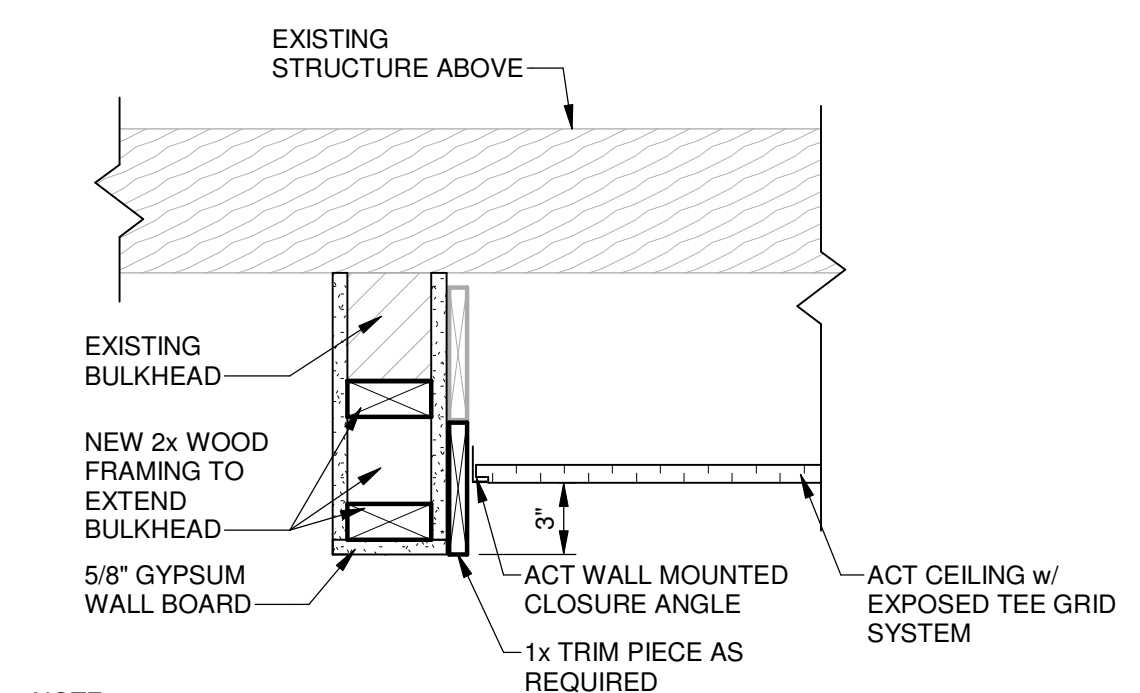
1
A-201 LEVEL 1
SCALE: 1/8" = 1'-0"



2
A-201 BASEMENT
SCALE: 1/8" = 1'-0"



3
A-201 SECTION
SCALE: 1 1/2" = 1'-0"



NOTE:
REMOVE MAIN VALANCE TO ALLOW
FOR INSTALLATION AFTER
BULKHEAD HAS BEEN EXTENDED.

4
A-201 SECTION
SCALE: 1 1/2" = 1'-0"



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CLIENT: NEWBERRY COUNTY
PO BOX 156 NEWBERRY, SC 29108

PROJECT NAME: TOWN OF POMARIA
RECREATION CENTER
RENOVATIONS

PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126

WATSON LEE
FORMER
GREENWOOD, SC
REGISTERED ARCHITECT
10/12/16

JOHNSON,
LASCHOBER &
ASSOCIATES, P.C.
No. C00790
SOUTH CAROLINA
CERTIFICATE OF AUTHORIZATION

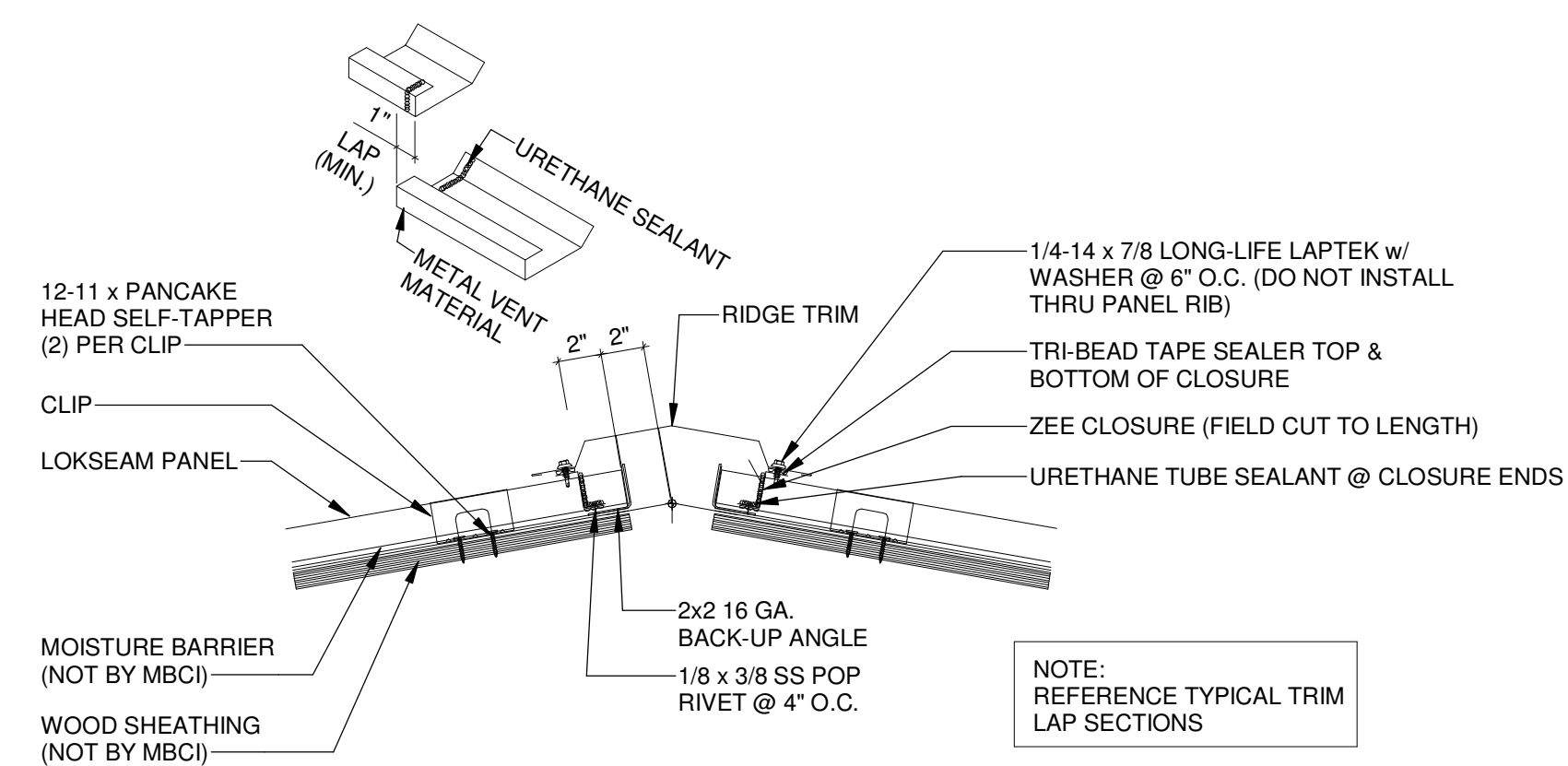
REV	DATE	BY	ISSUE FOR BID/PERMIT	DESCRIPTION
0	10/12/18	WLD	ISSUE FOR BID/PERMIT	

PROJECT NO. 3606.1705
DRAWN BY: CBW
CHECKED BY: WLD
DATE: 02/14/17

SHEET TITLE:
**REFLECTED
CEILING PLAN**

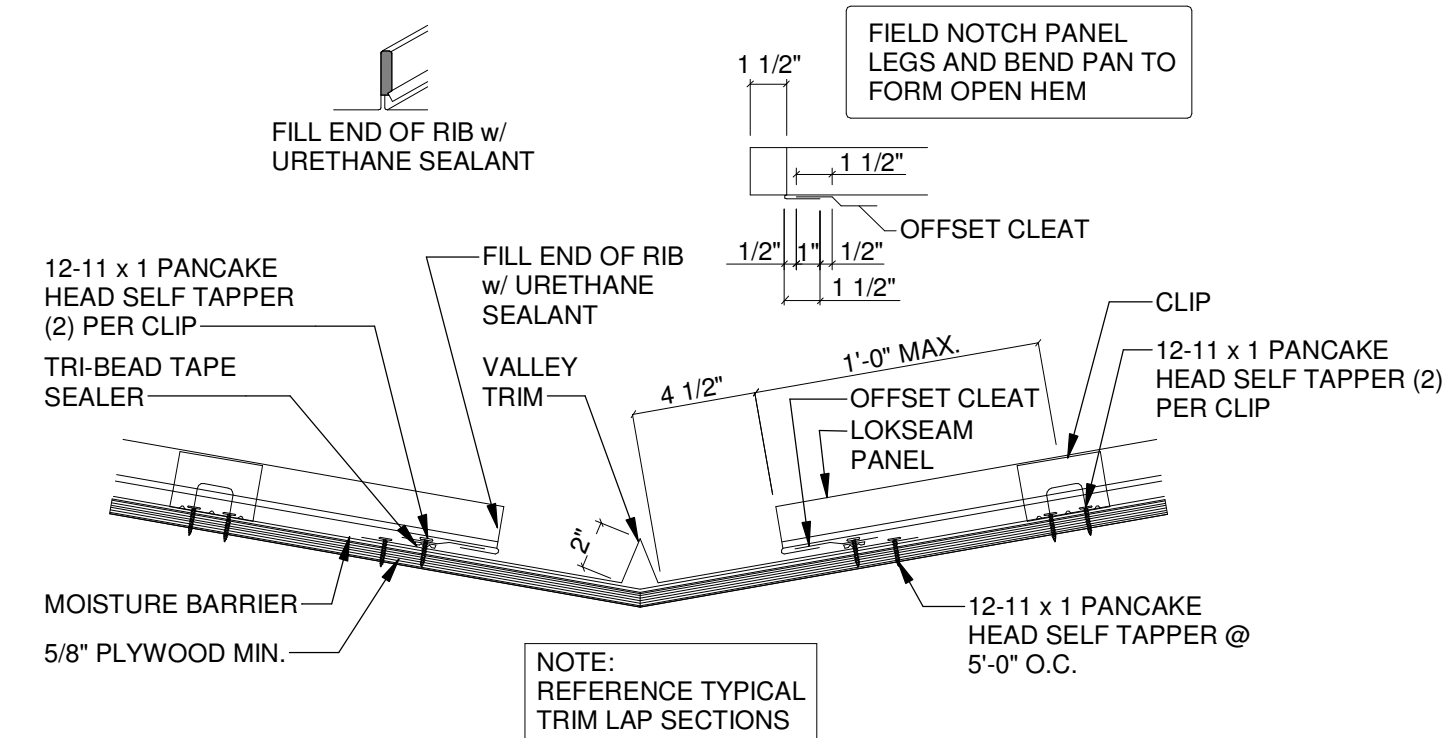
SCALE AS NOTED

DRAWING NO. **A-201** REV **0**



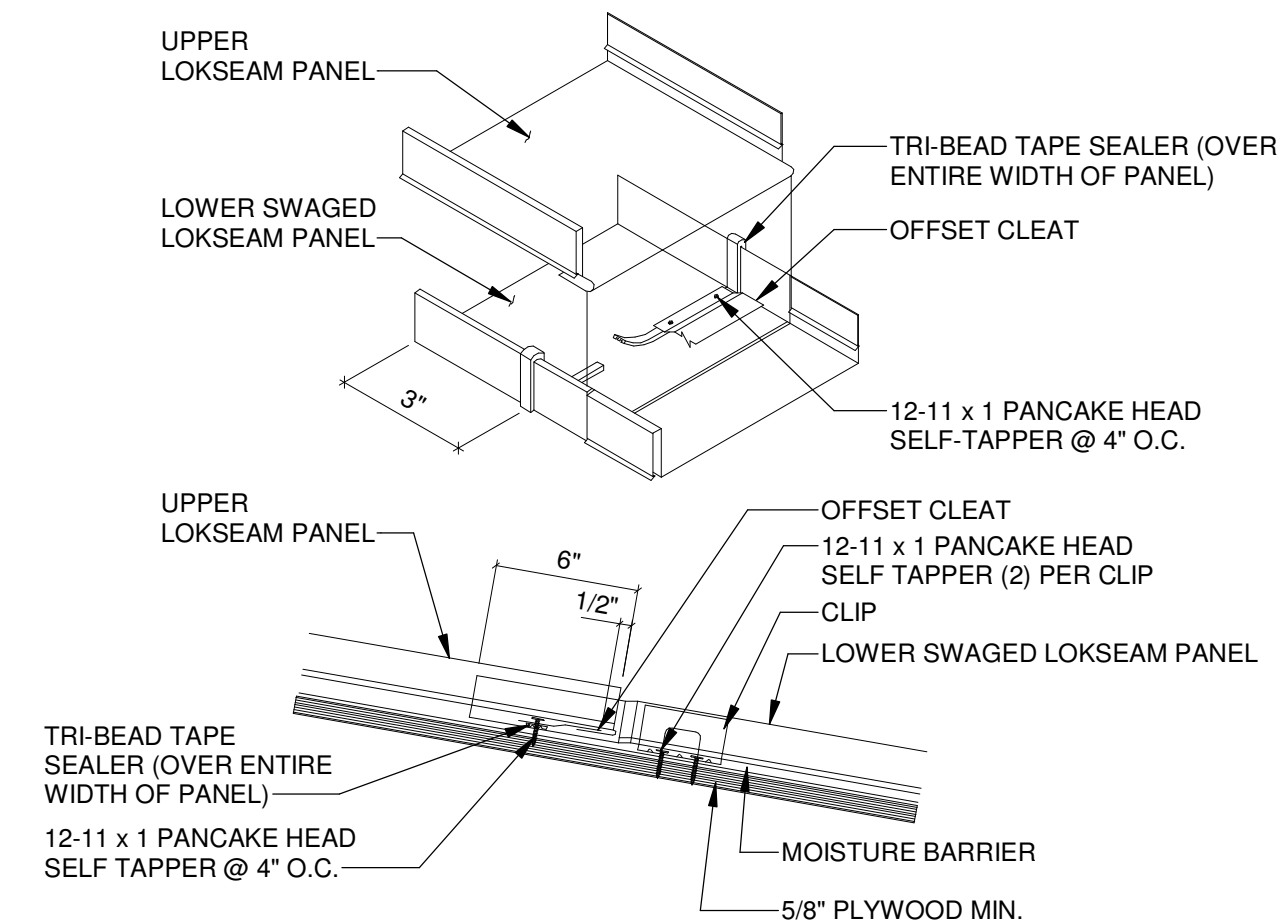
2 RIDGE VENT (FLOATING)

SCALE: 1 1/2" = 1'-0"



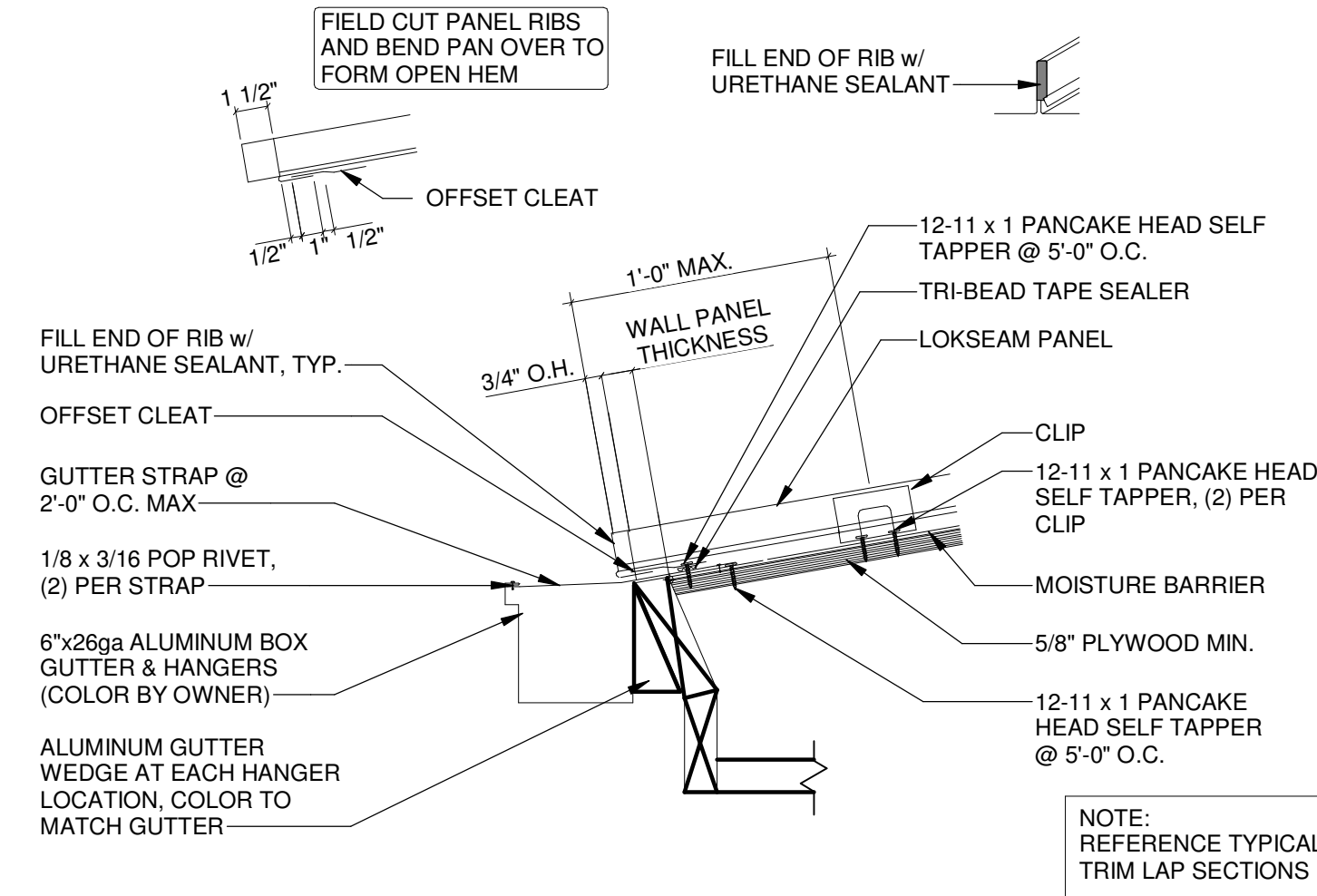
3 VALLEY TRIM

SCALE: 1 1/2" = 1'-0"



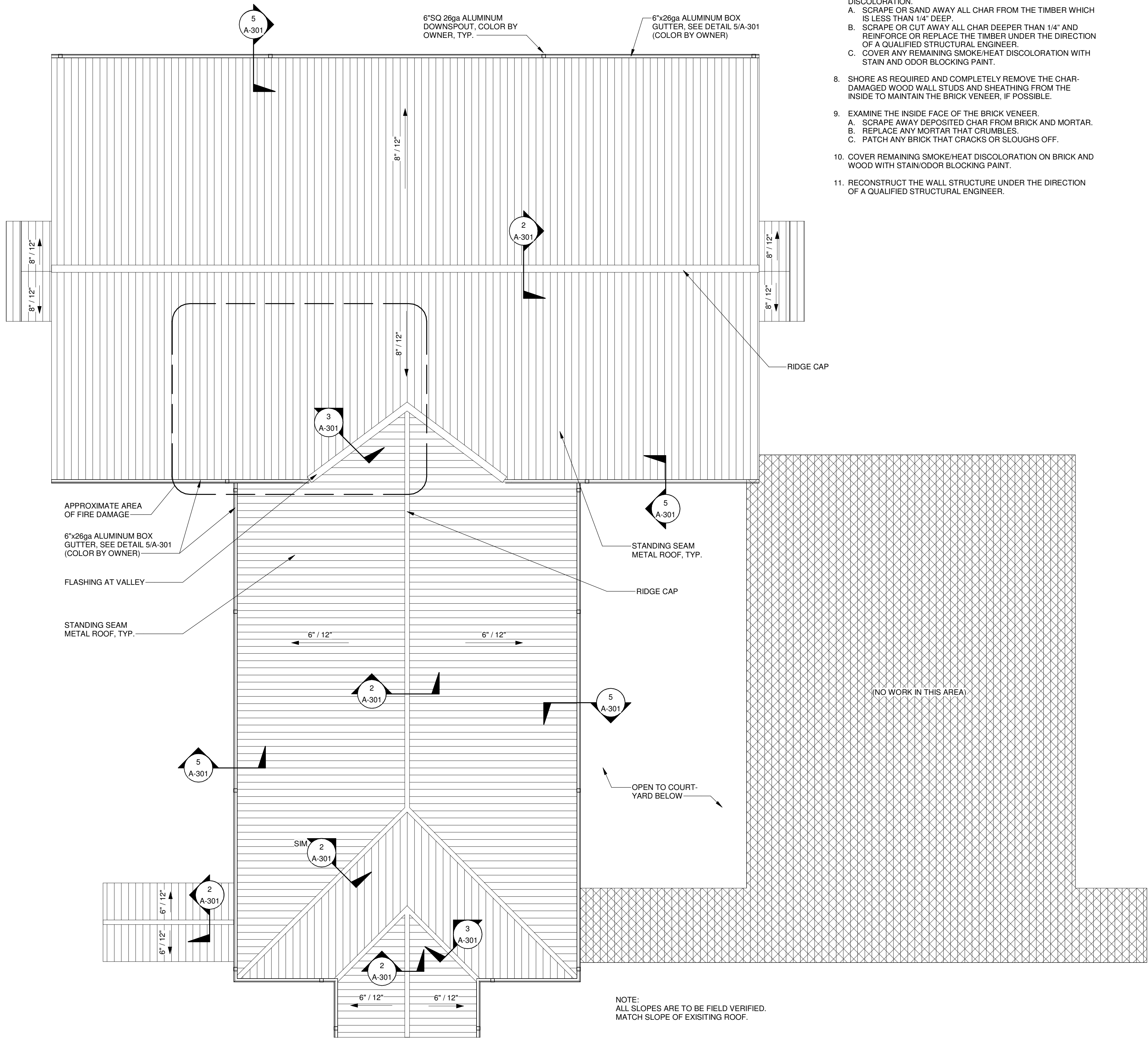
4 LAP DETAIL

SCALE: 1 1/2" = 1'-0"



5 GUTTER DETAIL (FLOATING)

SCALE: 1 1/2" = 1'-0"



1 ROOF PLAN

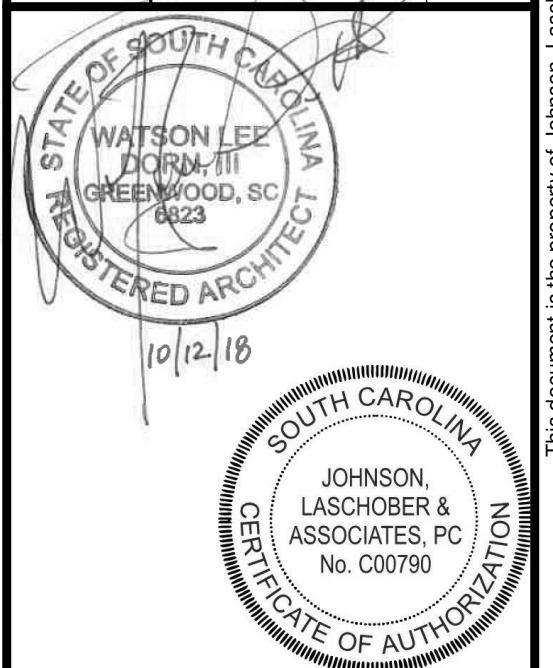
SCALE: 1/8" = 1'-0"

ROOF PLAN DEMOLITION NOTES:

1. COMPLETELY REMOVE THE EXISTING ROOFING MATERIAL SO THAT THE WOOD DECKING CAN BE EXAMINED.
2. COMPLETELY REMOVE AND REPLACE ANY OF THE WOOD PLANK DECKING THAT HAS FIRE CHAR DAMAGE.
3. COMPLETELY REMOVE AND REPLACE ANY WOOD RAFTER WHICH HAS FIRE CHAR DAMAGE.
4. EXAMINE THE WOOD TIMBERS FOR CHAR AND SMOKE/HEAT DISCOLORATION.
 - A. SCRAPE OR SAND AWAY ALL CHAR FROM THE TIMBER WHICH IS LESS THAN 1/4" DEEP.
 - B. SCRAPE OR CUT AWAY ALL CHAR DEEPER THAN 1/4" AND REINFORCE OR REPLACE THE TIMBER UNDER THE DIRECTION OF A QUALIFIED STRUCTURAL ENGINEER.
 - C. COVER ANY REMAINING SMOKE/HEAT DISCOLORATION WITH STAIN AND ODOR BLOCKING PAINT.
8. SHORE AS REQUIRED AND COMPLETELY REMOVE THE CHAR-DAMAGED WOOD WALL STUDS AND SHEATHING FROM THE INSIDE TO MAINTAIN THE BRICK VENEER, IF POSSIBLE.
9. EXAMINE THE INSIDE FACE OF THE BRICK VENEER.
 - A. SCRAPE AWAY DEPOSITED CHAR FROM BRICK AND MORTAR.
 - B. REPLACE ANY MORTAR THAT CRUMBLES.
 - C. PATCH ANY BRICK THAT CRACKS OR SLOUGHS OFF.
10. COVER REMAINING SMOKE/HEAT DISCOLORATION ON BRICK AND WOOD WITH STAIN/ODOR BLOCKING PAINT.
11. RECONSTRUCT THE WALL STRUCTURE UNDER THE DIRECTION OF A QUALIFIED STRUCTURAL ENGINEER.



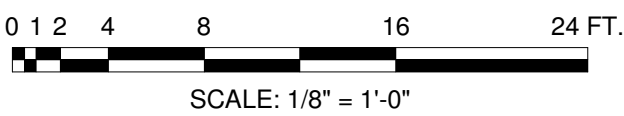
CLIENT: NEWBERRY COUNTY
 PROJECT NAME: TOWN OF POMARIA RECREATION CENTER RENOVATIONS
 PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126



REV	DATE	BY	W/D	ISSUE FOR BID/PERMIT	DESCRIPTION
0	10/12/18				

PROJECT NO. 3606.1705
 DRAWN BY: CBW
 CHECKED BY: WLD
 DATE: 02/14/17

SHEET TITLE: **ROOF PLAN**
 SCALE: AS NOTED
 DRAWING NO. **A-301** REV **0**



DRAWN BY: J. LASCHOBER, REV. 02/15/2017, E.L.B.

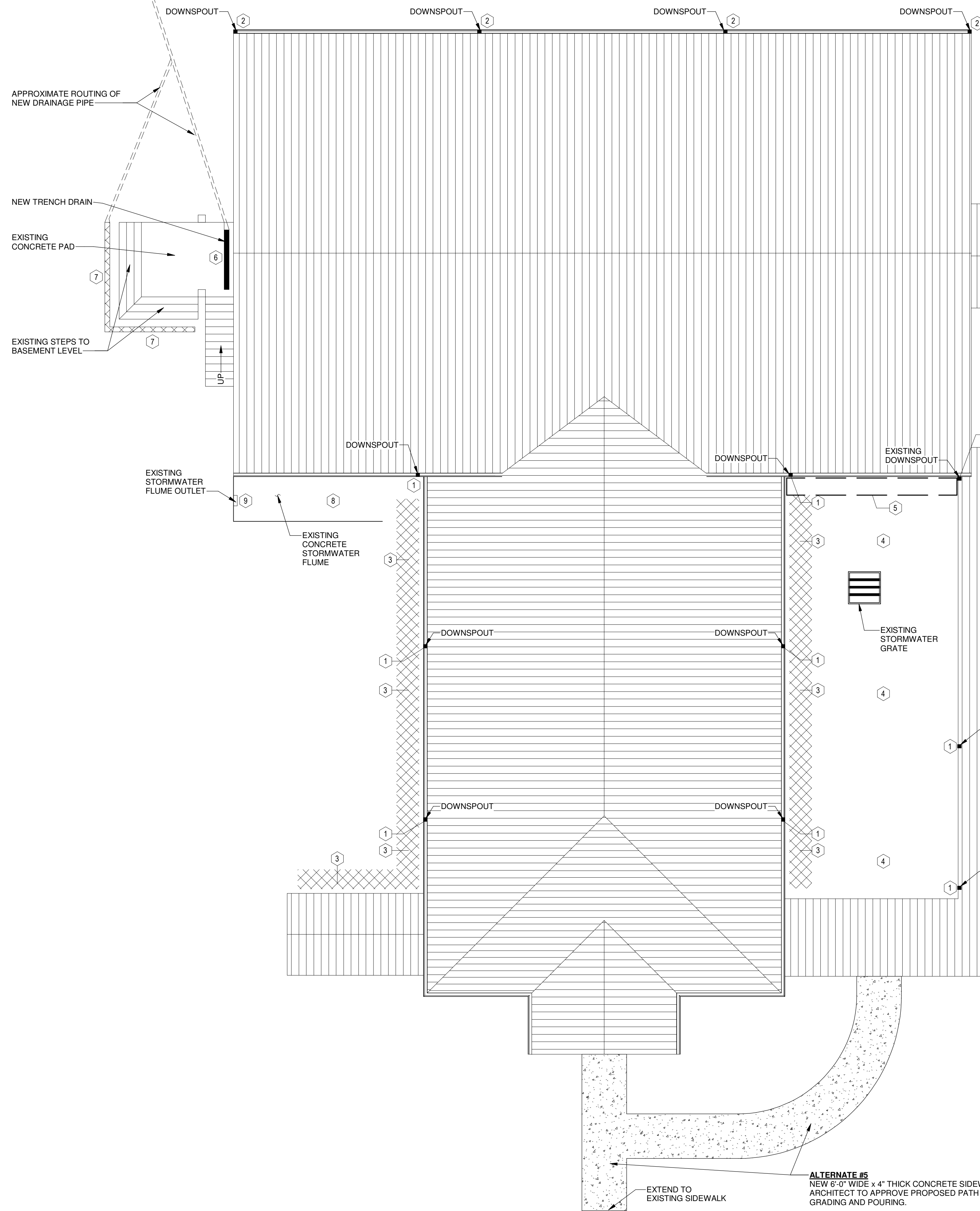
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1

2

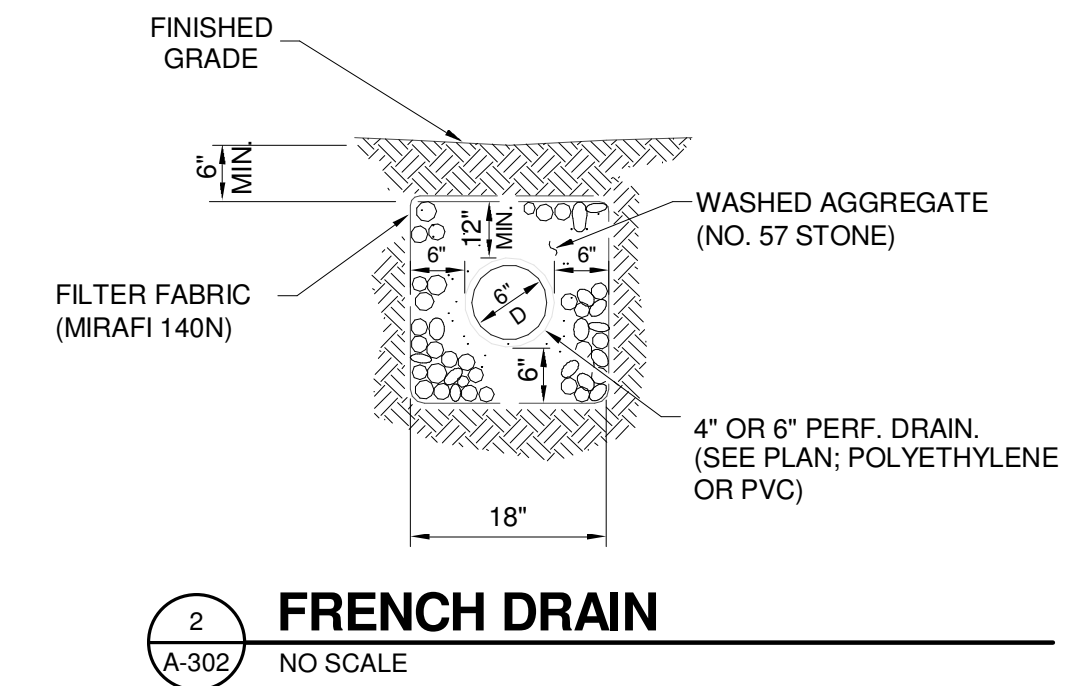
3

4



SITING KEYNOTES

- 1 DOWN SPOUTS SHALL EXTEND BELOW GRADE TO STORM WATER COLLECTION SYSTEM. UNDERGROUND PIPE TO BE 4"Ø PIPE w/ A 1% MINIMUM GRADE.
- 2 DOWN SPOUTS TO TERMINATE w/ ELBOW 4" ABOVE GRADE ONTO A CONCRETE SPLASHBLOCK.
- 3 FILL DIRT TO BE ADDED WHERE WASHOUT HAS OCCURRED. REMOVE DEBRIS BEFORE NEW EARTH IS ADDED AND COVER NEW EARTH WITH SEED AND STRAW TO PREVENT ADDITIONAL EROSION FROM OCCURRING. ENSURE NEW EARTH IS GRADED TO ALLOW FOR POSITIVE DRAINING TO EXISTING STORMWATER CATCH BASIN.
- 4 COURTYARD AREA SHALL BE REGRADE TO ALLOW FOR POSITIVE DRAINING TO EXISTING STORMWATER CATCH BASIN.
- 5 GRADE IN THIS AREA SHALL BE EXACAVATED TO A MINIMUM OF 6" BELOW SILL HEIGHT.
- 6 SAW CUT CONCRETE AS REQUIRED FOR INSTALLATION OF NEW TRENCH DRAIN. DRAIN TO BE PIPED TOWARDS REAR OF PROPERTY w/ 4"Ø PVC PIPE @ 1% MINIMUM SLOPE. (PIPE BELOW GRADE FOR APPROX. 100'-0")
- 7 NEW FRENCH DRAIN TO BE ADDED ABOVE STAIRS IN BOTH DIRECTIONS. SEE DETAIL 2/A-302 FOR DETAILS. DRAIN TO CONNECT BELOW GRADE w/ NEW TRENCH DRAIN.
- 8 CLEAN EXISTING CONCRETE FLUME OF DEBRIS. RESURFACE TO ALLOW FOR POSITIVE DRAINING TO EXISTING WATER OUTLET.
- 9 REPAIR FLUME OUTLET AS REQUIRED TO ALLOW FOR DRAINAGE.



1 ROOF PLAN Copy 1
SCALE: 1/8" = 1'-0"

CLIENT: NEWBERRY COUNTY
PO BOX 156 NEWBERRY, SC 29108
PROJECT NAME: TOWN OF POMARIA RECREATION CENTER RENOVATIONS
PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126

REV	DATE	BY	DESCRIPTION
0	10/12/18	WLD	ISSUE FOR BID/PERMIT

PROJECT NO. 3606.1705
DRAWN BY: CBW
CHECKED BY: WLD
DATE: 02/14/17

SITE PLAN AND DOWNSPOUT TIE IN

SCALE AS NOTED
DRAWING NO. A-302
REV 0

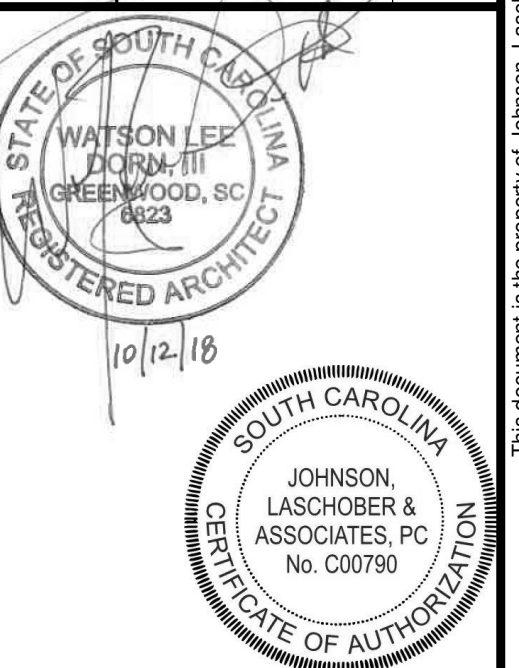
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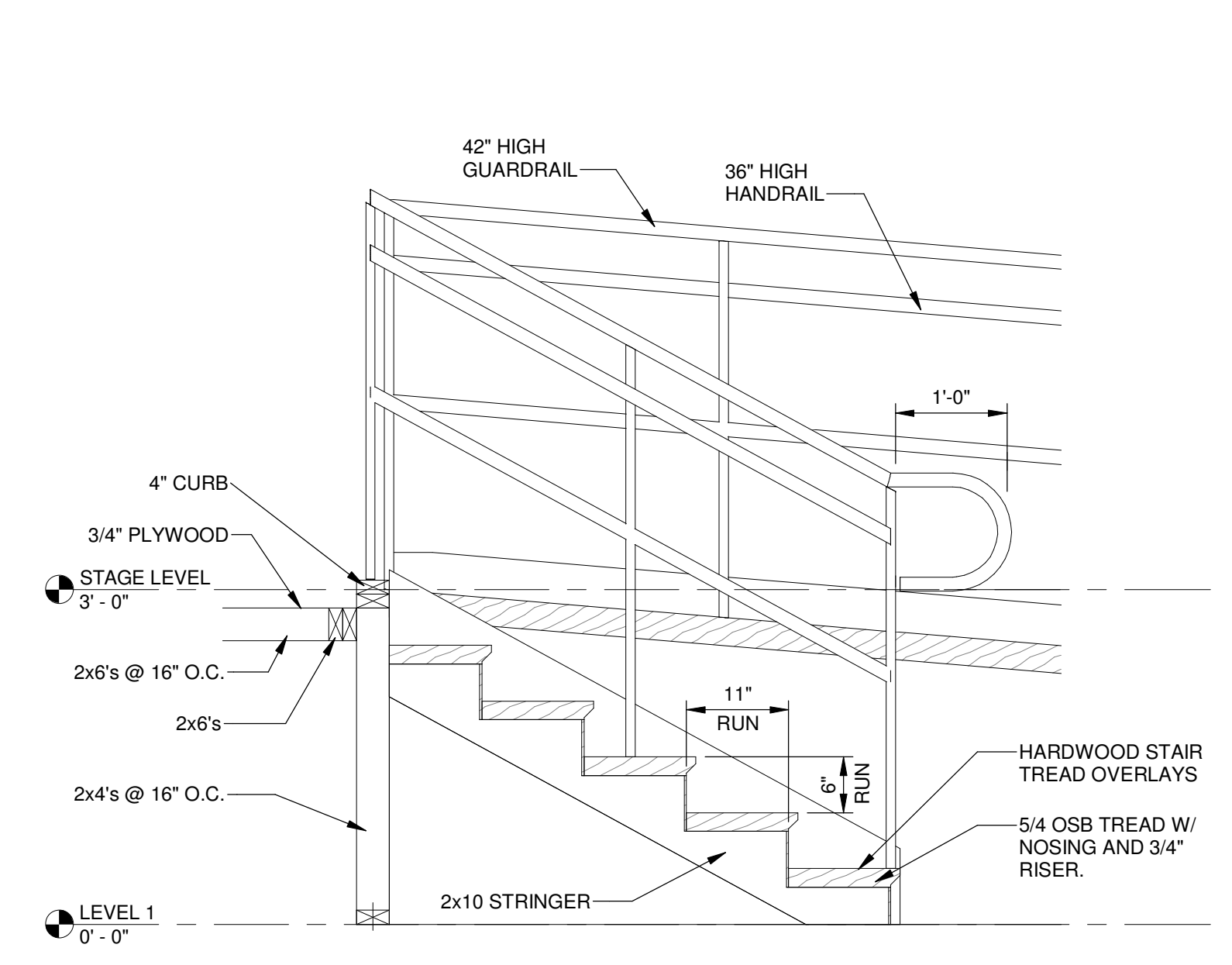
CLIENT: NEWBERRY COUNTY
 PO BOX 156 NEWBERRY, SC 29108
 PROJECT NAME: **TOWN OF POMARIA RECREATION CENTER RENOVATIONS**
 PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126



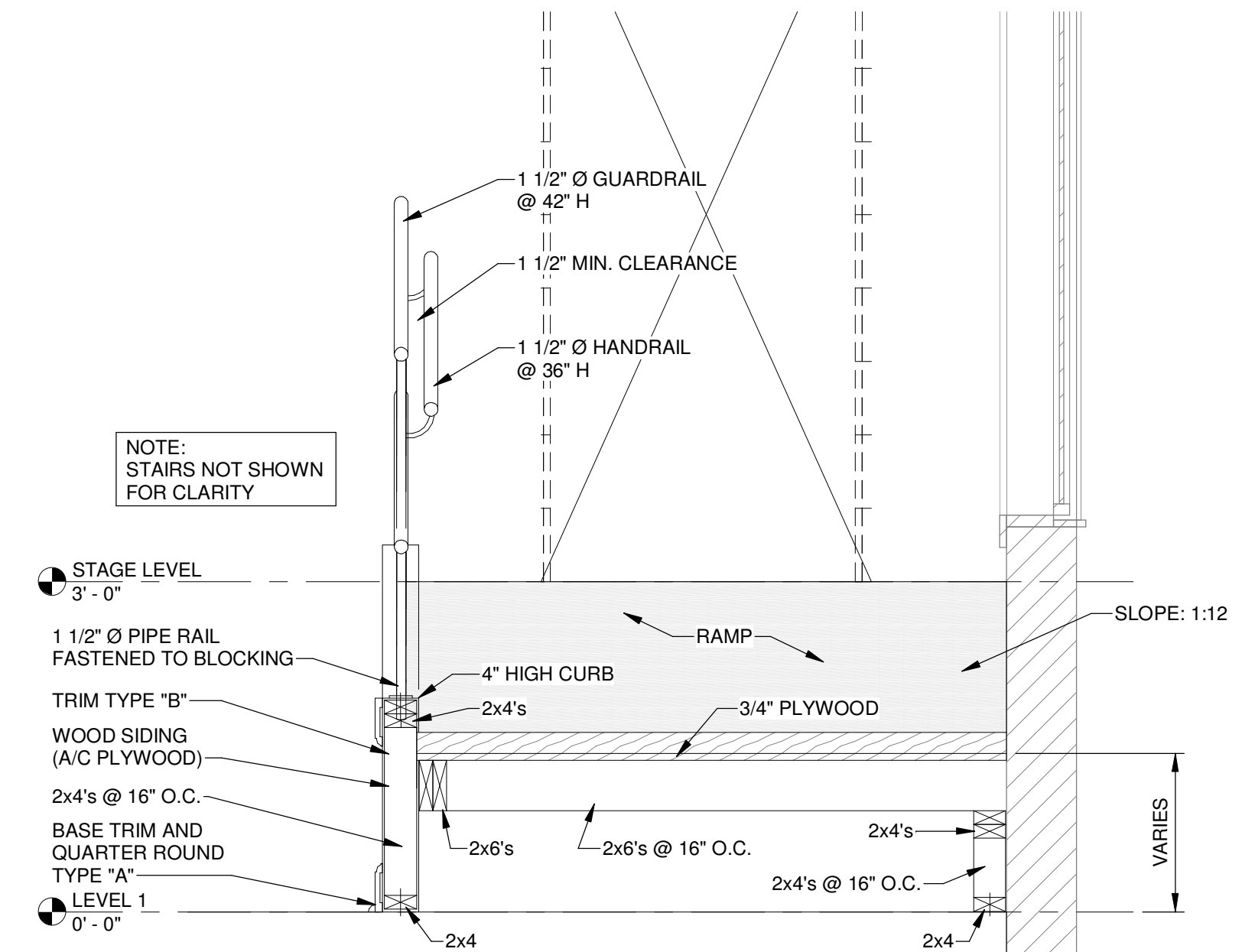
REV	DATE	BY	DESCRIPTION
0	10/12/18	WLD	ISSUE FOR BID/PERMIT

PROJECT NO. 3606.1705
 DRAWN BY: CTH
 CHECKED BY: WLD
 DATE: 02/14/17

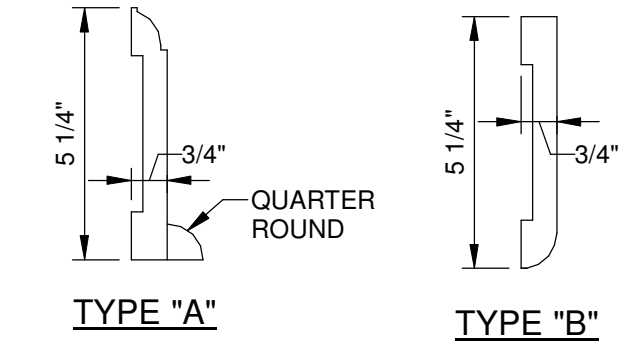
SHEET TITLE:
BUILDING SECTIONS
 SCALE AS NOTED
 DRAWING NO. **A-501** REV **0**



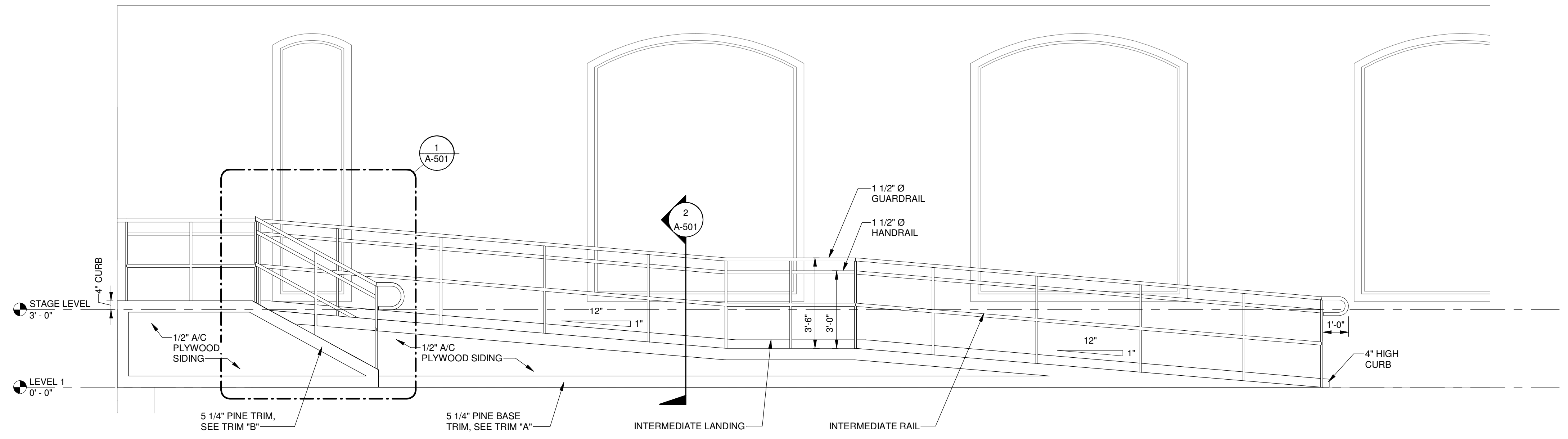
1 SECTION
 A-501 SCALE: 3/4" = 1'-0"



2 SECTION
 A-501 SCALE: 3/4" = 1'-0"



3 TRIM DETAILS
 A-501 SCALE: 3" = 1'-0"



4 ELEVATION
 A-501 SCALE: 3/8" = 1'-0"

A B C

1 2 3 4

1 2 3 4

DRAWN BY: J. LASCHOBER, P.E. REV. 02/15/2017 F.E.B.

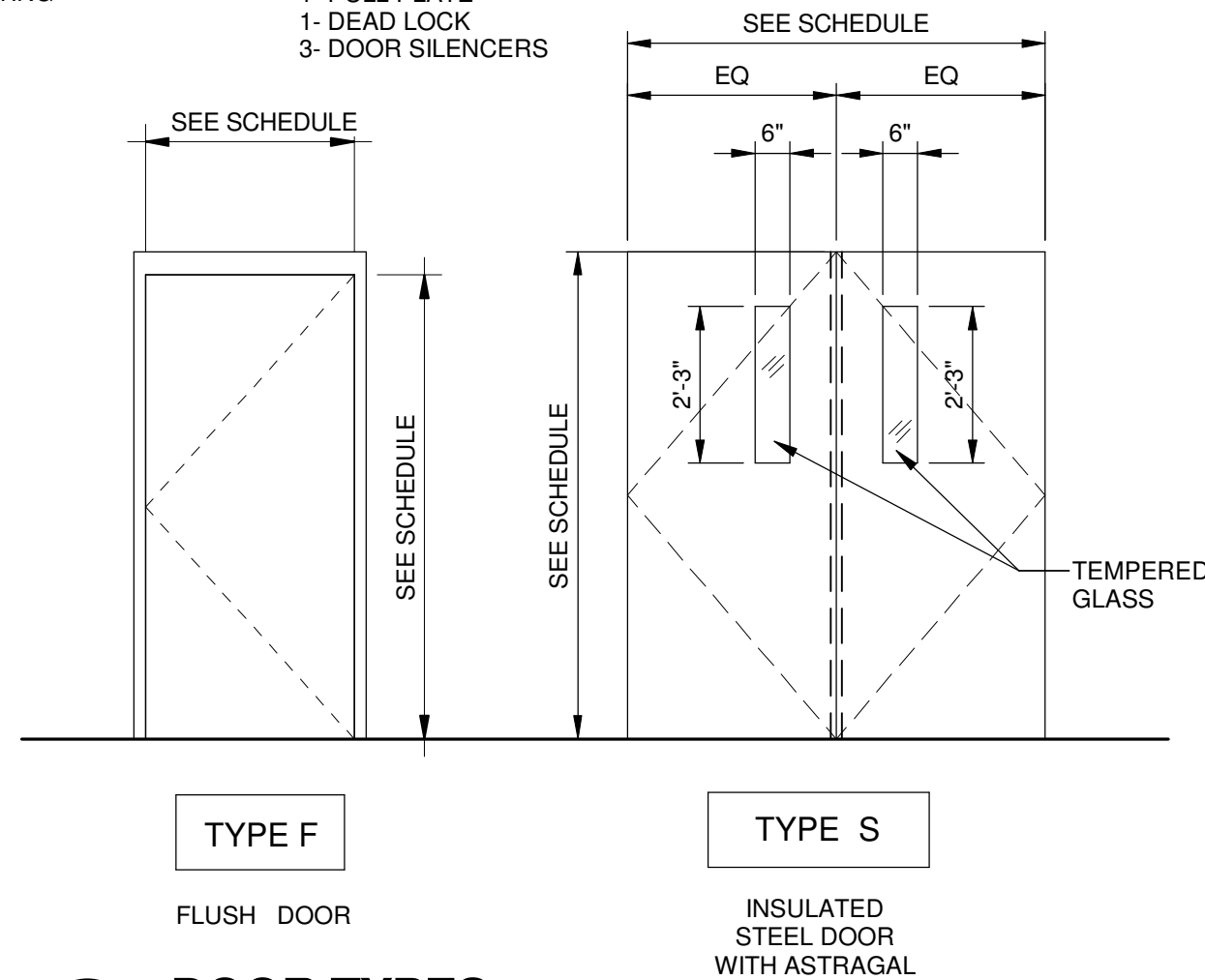
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DOOR SCHEDULE

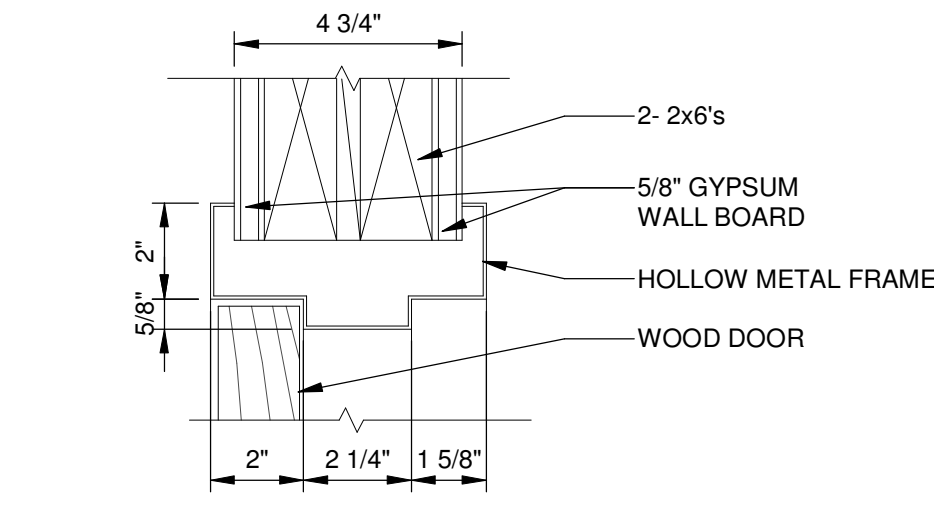
DOOR NUMBER	TYPE	DOOR		FIRE RATING	HARDWARE	COMMENTS
		WIDTH	HEIGHT			
2	EXISTING	3'-0"	6'-8"			
3	EXISTING	3'-0"	6'-8"			
4	EXISTING	3'-0"	6'-8"			
5	CASED OPENING	3'-0"	6'-8"		--	CASED OPENING TO MATCH EXISTING DOOR DIMENSIONS
5A	EXISTING	3'-0"	6'-8"			
6	EXISTING	3'-0"	6'-8"			
7	EXISTING	3'-0"	6'-8"			
8	EXISTING	3'-0"	6'-8"			
15	EXISTING	3'-0"	6'-8"			
16	EXISTING	3'-0"	6'-8"			
17	EXISTING	3'-0"	6'-8"			
18	EXISTING	3'-0"	6'-8"		SET 1	(ADJUST HARDWARE FOR NEW SWING)
19A	EXISTING	3'-0"	6'-8"			
19B	EXISTING	3'-0"	6'-8"			
20A	CASED OPENING	3'-0"	6'-8"			NEW CASED OPENING TO ALLOW FOR ADA ACCESSIBILITY
20B	EXISTING	3'-0"	6'-8"			
20C	EXISTING	6'-7"	6'-8 1/4"		SET 3	
20E	S	6'-7"	6'-8 1/4"		SET 3	REMOVE ALL RUST FROM FRAME AND PAINT TO MATCH
20F	F	3'-0"	6'-8"	1 HR	SET 3	
20G	EXISTING	6'-7"	6'-8 1/4"		SET 3	
20H	S	6'-7"	6'-8 1/4"		SET 3	REMOVE ALL RUST FROM FRAME AND PAINT TO MATCH
31	EXISTING	2'-10"	6'-8"			
32	EXISTING	2'-10"	6'-8"			
33	EXISTING	2'-10"	6'-8"			
34	EXISTING	3'-0"	6'-8"			
34A	EXISTING	3'-0"	6'-8"			
34B	EXISTING	3'-0"	6'-8"			
35A	S	7'-0"	6'-8"		SET 3	REMOVE ALL RUST FROM FRAME AND PAINT TO MATCH
35B	S	7'-0"	6'-8"		SET 3	REMOVE ALL RUST FROM FRAME AND PAINT TO MATCH
36	F	3'-0"	6'-8"		SET 4	ADA THRESHOLD
40	F	3'-0"	6'-8"		SET 4	
48	F	3'-0"	6'-8"		SET 4	ADA THRESHOLD

HARDWARE SETS

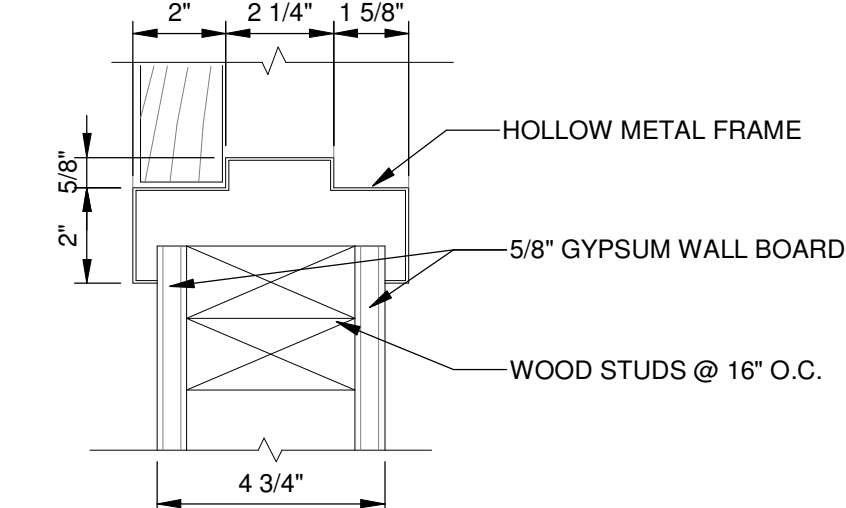
- SET 1**
3- HINGE
1- LATCH/LEVER (MATCH EXISTING)
1- DOOR STOP
- SET 2 (STOREFRONT)**
2- PIVOT SET
1- INTERMEDIATE PIVOT
2- CONCEALED VERT ROD
EXIT
1- CYLINDER
2- PULL
2- CONCEALED CLOSER
2- DOOR STOP
1- THRESHOLD
1- GASKETING
- SET 3**
3- HINGE
1- EXIT DEVICE w/ EXTERIOR LEVER HANDLE
1- CYLINDER
1- DOOR CLOSER
1- KICK PLATE
1- ADA THRESHOLD
- SET 4**
3- HINGE
1- DOOR CLOSER
1- KICK PLATE
1- MOP PLATE
1- WALL STOP
1- PUSH PLATE
1- PULL PLATE
1- DEAD LOCK
3- DOOR SILENCERS



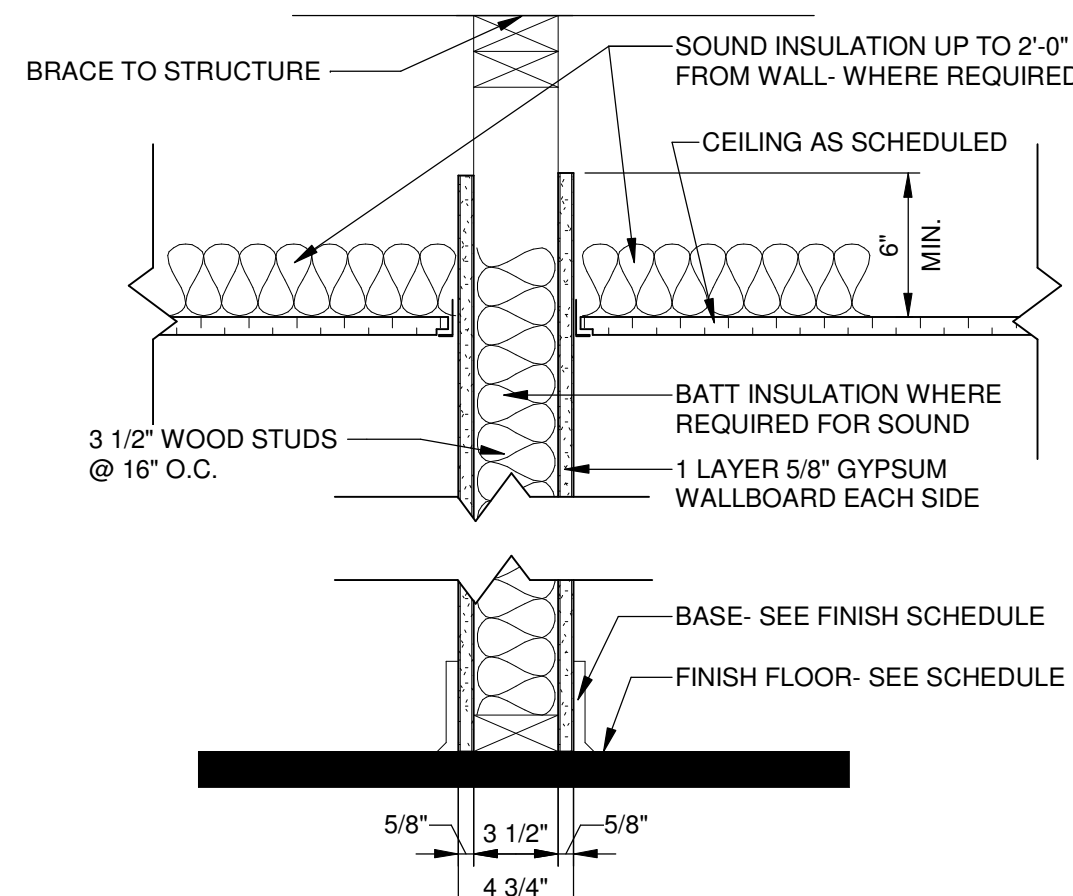
1 DOOR TYPES SCALE: 3/8" = 1'-0"



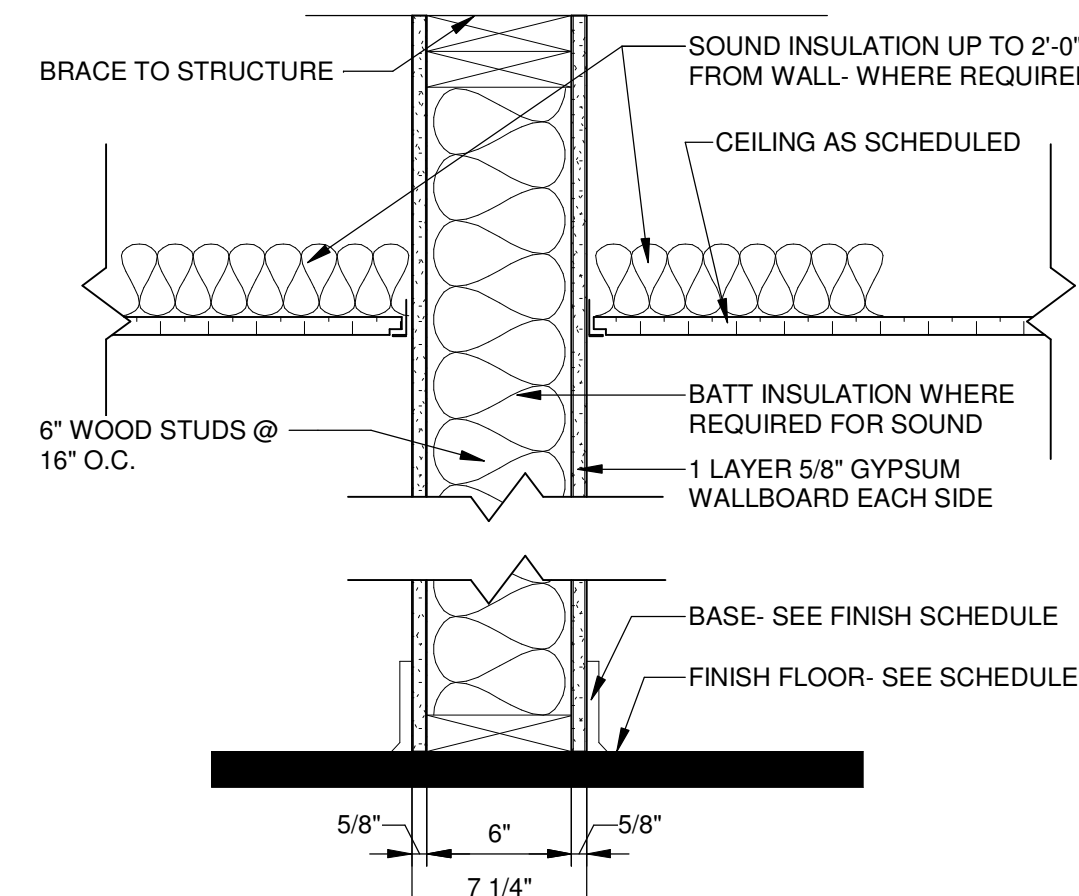
2 HEAD DETAIL SCALE: 3" = 1'-0"



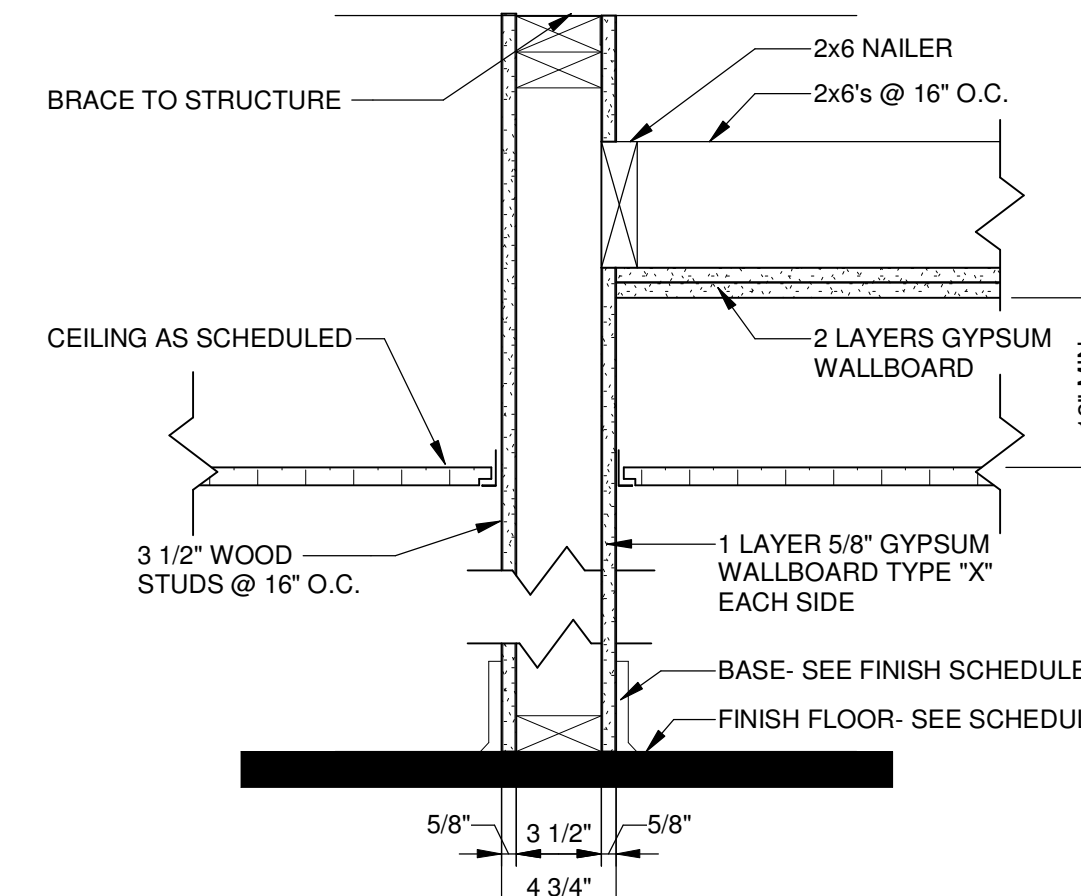
3 JAMB DETAIL SCALE: 3" = 1'-0"



4 WALL TYPE 1 SCALE: 1 1/2" = 1'-0"



5 WALL TYPE 2 SCALE: 1 1/2" = 1'-0"



6 WALL TYPE 3 (1-HR FIRE WALL w/ RATED CEILING) SCALE: 1 1/2" = 1'-0"

FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	BASE	WALLS	CEILING FINISH	COMMENTS
100	AUDITORIUM	WDF	EXISTING	PT-1	ACT	*EXISTING CEILING TO REMAIN WITH SELECTION OF ALT #2
101	CLASSROOM #1	WDF	EXISTING	PT-1	ACT	
102	CLASSROOM #2	WDF	EXISTING	PT-1	ACT	
103	CLASSROOM #3	WDF	EXISTING	PT-1	ACT	
104	CLASSROOM #4	WDF	EXISTING	PT-1	ACT	
105	CLASSROOM #5	WDF	EXISTING	PT-1	ACT	
106	CORRIDOR (UPPER)	WDF	EXISTING	PT-1	ACT	
107	CLOSET	WDF	EXISTING	PT-1	ACT	
108	CLOSET	WDF	EXISTING	PT-1	ACT	
109	CLOSET	WDF	EXISTING	PT-1	ACT	
110	STAGE	WDF	EXISTING	PT-1	ACT	
111	MEN	LVT	RB	PT-3	ACT	SEE NOTE 3
112	WOMEN	LVT	RB	PT-3	ACT	SEE NOTE 3
113	JANITOR	LVT	RB	PT-1	ACT	SEE NOTE 3
B19	ELECTRICAL	CONC	RB	PT-1	ACT	

FINISH LEGEND

- ACT:** ACOUSTICAL CEILING TILE
CONC: EXPOSED CONCRETE
LVT: LUXURY VINYL TILE
PT: PAINT
RB: RUBBER / VINYL BASE
WDF: WOOD FLOORING

NOTES

- PRIME AND PAINT ALL EXPOSED STRUCTURE, FRAMING, BRACING, DUCT WORK, CONDUIT.
- ALL EXISTING WOOD BASE BOARDS TO RECEIVE PT-2.
- TOILET ROOM FLOORS TO RECEIVE 1 LAYER OF 1/4" LAUAN UNDERLAYMENT PRIOR TO INSTALLATION OF LVT FLOORING.
- COLOR SELECTIONS TO BE CONFIRMED BY OWNER AND ARCHITECT.

INTERIOR FINISH SCHEDULE

PT-1 - WALL PAINT	PT-2 - WALL PAINT	PT-3 - WALL PAINT
MANUFACTURER: SHERWIN-WILLIAMS SPEC: INTERIOR, SATIN FINISH COLOR: TBD CONTACT: RUSS HANSEN 980-207-9410	MANUFACTURER: SHERWIN-WILLIAMS SPEC: INTERIOR, SEMI-GLOSS FINISH COLOR: TBD CONTACT: RUSS HANSEN 980-207-9410	MANUFACTURER: SHERWIN-WILLIAMS SPEC: INTERIOR, EPOXY COLOR: TBD CONTACT: RUSS HANSEN 980-207-9410
LVT-1 - LUXURY VINYL TILE MANUFACTURER: SHAW CONTRACT SPEC: TBD SIZE: TBD COLOR: TBD CONTACT: JOE WALKER 706-831-3938	PL-1 - PLASTIC LAMINATE MANUFACTURER: WILSONART SPEC: STANDARD LAMINATE COLOR: TBD CONTACT: ANGIE LIBERTO 770-616-3088	RB-1 - RUBBER BASE MANUFACTURER: ROPPE SPEC: STD COVE BASE COLOR: TBD CONTACT: MICHELE MUSGROVE 404-640-0241
PT-4 - TRIM PAINT MANUFACTURER: SHERWIN-WILLIAMS SPEC: INTERIOR, SEMI-GLOSS FINISH COLOR: TBD CONTACT: RUSS HANSEN 980-207-9410	TR-1 - TRANSITION STRIPS MANUFACTURER: ROPPE SPEC: RUBBER COLOR: TBD CONTACT: MICHELE MUSGROVE 404-640-0241	

NOTE: ALL COLOR SELECTIONS BY OWNER

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CLIENT: NEWBERRY COUNTY
 PO BOX 156 NEWBERRY, SC 29108

PROJECT NAME: TOWN OF POMARIA RECREATION CENTER RENOVATIONS

PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126

WATSON LEE
 ARCHITECT
 GREENWOOD, SC
 8023
 10/12/18

JOHNSON, LASCHOBER & ASSOCIATES, P.C.
 No. C00790
 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	ISSUE FOR BID/PERMIT	DESCRIPTION
0	10/12/18	WLD		

PROJECT NO. 3606.1705
 DRAWN BY: Author
 CHECKED BY: Checker
 DATE: 02/14/17
 SHEET TITLE:
DOOR SCHEDULE, DOOR TYPES, WALL TYPES & DETAILS

SCALE AS NOTED
 DRAWING NO. A-701
 REV 0

PLUMBING GENERAL NOTES:

GENERAL:
THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PRODUCT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

WORK COVERED BY THIS DOCUMENT SHALL INCLUDE ALL LABOR, MATERIAL, PRODUCTS, AND SERVICES FOR, AND INCIDENTAL TO, INSTALLATION OF COMPLETE AND OPERATING PLUMBING SYSTEMS DRAWN OR SPECIFIED.

ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, 2015 INTERNATIONAL PLUMBING CODE w/ AMENDMENTS, 2015 INTERNATIONAL FUEL GAS CODE w/ AMENDMENTS, 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND ALL ADA AMENDMENTS.

ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ARCHITECT OR ENGINEER.

INSTALL ALL PLUMBING FIXTURES PER MANUFACTURER'S INSTRUCTIONS.

EXACT LOCATIONS AND ROUGHING REQUIREMENTS FOR ALL FIXTURES AND EQUIPMENT SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS, LARGE SCALE ARCHITECTURAL DETAILS, AND APPROVED MANUFACTURER'S SHOP DRAWINGS. PARTICULAR ATTENTION SHALL BE DIRECTED TO FIXTURES OR EQUIPMENT FURNISHED UNDER OTHER DIVISIONS.

PIPING IS SHOWN IN ITS GENERAL LOCATION (UNLESS DIMENSIONED). EXACT LOCATION SHALL BE DETERMINED BY JOB CONDITIONS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF HIS WORK WITH THAT OF OTHER TRADES AND ARRANGE PIPING TO CLEAR STRUCTURAL MEMBERS AND DUCTWORK. EXACT LOCATIONS SHALL BE PROVIDED ON "AS-BUILT" DRAWINGS.

MINIMUM SIZE WATER LINE FOR THREE OR MORE FIXTURES SHALL BE 3/4". REFER TO PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL RUNOUT SIZES.

ALL PIPING TO BE CONCEALED IN A WALL, CEILING, OR A CHASE UNLESS OTHERWISE NOTED. PIPING SHOWN OUT OF CHASES FOR CLARITY.

PROVIDE SLEEVES FOR PIPES PASSING THRU FLOORS, MASONRY WALLS AND FIRE OR SMOKE PARTITIONS. PACK MINERAL WOOL IN ANNULAR SPACE BETWEEN PIPE SLEEVE.

REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE MOUNTING HEIGHTS. ALL ACCESSIBLE FIXTURES SHALL COMPLY WITH STATE BUILDING CODE AND 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.

ARRANGEMENTS OF WORK SHALL BE AS SHOWN. DRAWINGS ARE NOT INTENDED TO INDICATE ALL OFFSETS AND FITTINGS. EXAMINE ALL DRAWINGS, INVESTIGATE CONDITIONS TO BE ENCOUNTERED AND ARRANGE WORK ACCORDINGLY. FURNISH ALL FITTINGS AND OFFSETS.

MEASUREMENT OF DRAWINGS BY SCALE SHALL NOT BE USED AS DIMENSIONS FOR FABRICATION. MEASUREMENTS FOR LOCATING FIXTURES, EQUIPMENT, DUCTWORK, PIPING AND ACCESSORIES SHALL BE MADE ON THE SITE AND SHALL BE BASED ON ACTUAL JOB CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEASUREMENTS WHERE THE CONTRACTOR PREFABRICATES ANY WORK BASED ON THE DRAWINGS WITHOUT VERIFYING ACTUAL JOB CONDITIONS. THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COST INVOLVED IN MAKING CHANGES TO PREFABRICATED WORK WHERE CONFLICTS OCCUR.

ARRANGE FOR CHASES, SLOTS, AND OPENINGS IN OTHER BUILDING COMPONENTS DURING PROGRESS OF CONSTRUCTION TO ALLOW FOR INSTALLATIONS.

INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT LEVEL, PLUMB, PARALLEL, AND PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS.

COPPER PIPING SHALL NOT BE INSTALLED IN DIRECT CONTACT WITH MASONRY, CEMENT MORTAR, CONCRETE, OR DISSIMILAR METALS. PLUMBING CONTRACTOR TO PROVIDE SLEEVES AND COORDINATE w/ GENERAL CONTRACTOR DURING SLAB INSTALLATION.

CUTTING AND REPAIRING: THE PLUMBING CONTRACTOR SHALL DO ALL CUTTING AND REPAIRING OF WALLS, FLOORS, CEILINGS, ETC. NECESSARY FOR THE INSTALLATION OF THE WORK BUT HE SHALL NOT CUT INTO ANY STRUCTURAL MEMBER WITHOUT THE PERMISSION OF THE ARCHITECT.

PROVIDE SHOCK ABSORBERS AS INDICATED ON PLANS.

PLUMBING CONTRACTOR TO PROVIDE PROPER SEPARATION BETWEEN WATER SUPPLY AND WASTE/SANITARY PIPING PER INTERNATIONAL PLUMBING CODE.

PLUMBING CONTRACTOR TO PROVIDE PREPRINTED 1/2" HIGH LETTERED LABELS FOR THE FOLLOWING: INTERIOR MAIN SHUT-OFF VALVE, POTABLE WATER SUPPLY PIPING, & HOT WATER PIPING. LABELS SHOULD BE MOUNTED EVERY 20'-0" ON HORIZONTAL RUNS.

GENERAL CONTRACTOR TO PROVIDE ACCESS PANELS FOR ALL INACCESSIBLE, ABOVE CEILING VALVES AND EQUIPMENT. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

DOMESTIC WATER PIPING:
UNDER-BUILDING SLAB, DOMESTIC WATER, BUILDING SERVICE PIPING SHALL BE SOFT COPPER TUBING, ASTM B 88, TYPE K, WITH WROUGHT-COPPER, SOLDER-JOINT FITTINGS, AND BRAZED JOINTS. AVOID JOINTS UNDER BUILDING SLAB WHERE POSSIBLE.

ALL OTHER UNDER-BUILDING SLAB, DOMESTIC WATER PIPING SHALL BE SOFT COPPER TUBING, ASTM B 88, TYPE L, WITH WROUGHT-COPPER, SOLDER-JOINT FITTINGS, AND BRAZED JOINTS. AVOID JOINTS UNDER BUILDING SLAB WHERE POSSIBLE.

ALL ABOVEGROUND DOMESTIC WATER PIPING SHALL BE HARD COPPER TUBING, ASTM B 88, TYPE L, WITH CAST- OR WROUGHT-COPPER, SOLDER-JOINT FITTINGS, AND SOLDERED JOINTS.

ALL INDOOR DOMESTIC COLD, HOT, AND RECIRCULATED HOT WATER PIPING SHALL BE INSULATED WITH 1 INCH THICK FLEXIBLE CLOSED-CELL ELASTOMERIC INSULATION, COMPLYING WITH ASTM C 534, TYPE 1 FOR TUBULAR MATERIALS, EQUAL TO ARMACELL "AP ARMAFLEX".

SANITARY WASTE AND VENT PIPING:
ALL SOIL, DRAIN, WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC-DWV WITH SOLVENT WELD JOINTS, CONFORMING TO ASTM D 2665 AND ASTM D 2564. IN AREAS WITH RETURN AIR PLENUM ABOVE THE CEILING, TRANSITION PIPING BELOW CEILING FROM PVC TO HUBLESS CAST-IRON, EXTEND CAST IRON VENT THROUGH ROOF. PVC PIPING IS NOT ALLOWED IN RETURN AIR PLENUM SPACES.

ALL SOIL, DRAIN, WASTE AND VENT PIPING LOCATED IN RETURN AIR PLENUMS SHALL BE HUBLESS CAST-IRON SOIL PIPE AND FITTINGS, CONFORMING TO ASTM A 888 OR CISPI 301, WITH CISPI HUBLESS PIPING COUPLINGS, CONFORMING TO ASTM C 1277 AND CISPI 310, AND COUPLED JOINTS.

ALL PIPING PASSING THROUGH THE ROOF SHALL BE FLASHED WITH ROOF FLASHING ASSEMBLY COMPATIBLE WITH THE ROOFING SYSTEM.

ROOF DRAINAGE PIPING:
ALL ROOF DRAINAGE PIPING SHALL BE SCHEDULE 40 PVC-DWV WITH SOLVENT WELD JOINTS, CONFORMING TO ASTM D 2665 AND ASTM D 2564. IN AREAS WITH RETURN AIR PLENUM ABOVE THE CEILING, TRANSITION PIPING BELOW CEILING FROM PVC TO HUBLESS CAST-IRON. PVC PIPING IS NOT ALLOWED IN RETURN AIR PLENUM SPACES.

ALL ROOF DRAINAGE PIPING LOCATED IN RETURN AIR PLENUMS SHALL BE HUBLESS CAST-IRON SOIL PIPE AND FITTINGS, CONFORMING TO ASTM A 888 OR CISPI 301, WITH CISPI HUBLESS PIPING COUPLINGS, CONFORMING TO ASTM C 1277 AND CISPI 310, AND COUPLED JOINTS.

ALL ROOF DRAIN BODIES AND HORIZONTAL ROOF DRAIN CONDUCTORS (PRIMARY AND OVERFLOW) SHALL BE INSULATED WITH 1 INCH THICK FLEXIBLE CLOSED-CELL ELASTOMERIC INSULATION, COMPLYING WITH ASTM C 534, TYPE 1 FOR TUBULAR MATERIALS AND TYPE II FOR SHEET MATERIALS, EQUAL TO ARMACELL "AP ARMAFLEX". VERTICAL CONDUCTORS NEED NOT BE INSULATED.

REDUCER FROM LARGER HORIZONTAL PIPE TO SMALLER VERTICAL PIPE SHALL BE LOCATED IN VERTICAL PIPE AFTER 1/4 BEND. INCREASES FROM SMALLER VERTICAL PIPE TO LARGER HORIZONTAL PIPE SHALL BE LOCATED IN VERTICAL PIPE BEFORE 1/4 BEND.

GAS PIPING:
ALL OUTDOOR, UNDERGROUND GAS PIPING SHALL BE PE PIPE AND FITTINGS, COMPLYING WITH ASTM D 2513, ASTM D 2683, AND ASTM D 3261, JOINED BY HEAT FUSION, WITH SERVICE-LINE RISERS WITH TRACER WIRE TERMINATED IN AN ACCESSIBLE LOCATION.

ALL OUTDOOR, ABOVEGROUND GAS PIPING SHALL BE SCHEDULE 40, BLACK STEEL PIPE, COMPLYING WITH ASTM A 53, WITH MALLEABLE-IRON FITTINGS AND THREADED JOINTS, COMPLYING WITH ASME B 16.3, OR WROUGHT-STEEL FITTINGS AND WELDED JOINTS, COMPLYING WITH ASTM A 234. JOINT COMPOUND AND TAPE SHALL BE SUITABLE FOR NATURAL GAS.

ALL INDOOR, ABOVEGROUND GAS PIPING SHALL BE SCHEDULE 40, BLACK STEEL PIPE, COMPLYING WITH ASTM A 53, WITH MALLEABLE-IRON FITTINGS AND THREADED JOINTS, COMPLYING WITH ASME B 16.3, OR WROUGHT-STEEL FITTINGS AND WELDED JOINTS, COMPLYING WITH ASTM A 234. JOINT COMPOUND AND TAPE SHALL BE SUITABLE FOR NATURAL GAS.

PRESSURE REGULATORS SHALL BE SINGLE STAGE AND SUITABLE FOR NATURAL GAS. SERVICE PRESSURE REGULATORS SHALL COMPLY WITH ANSI Z21.80. LINE PRESSURE REGULATORS SHALL COMPLY WITH ANSI Z21.80. APPLIANCE PRESSURE REGULATORS SHALL COMPLY WITH ANSI Z21.18.

FIELD QUALITY CONTROL:
ALL DOMESTIC WATER PIPING SHALL BE TESTED FOR LEAKS AND DEFECTS. FILL DOMESTIC WATER PIPING, CAP, AND SUBJECT PIPING TO STATIC WATER PRESSURE OF 50 PSIG ABOVE OPERATING PRESSURE, WITHOUT EXCEEDING PRESSURE RATING OF PIPING SYSTEM MATERIALS. ISOLATE TEST SOURCE AND ALLOW IT TO STAND FOR FOUR HOURS. LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED. LEAVE DOMESTIC WATER PIPING UNCOVERED AND UNCONCEALED UNTIL IT HAS BEEN TESTED AND APPROVED.

ALL SANITARY WASTE AND VENT PIPING SHALL BE TESTED FOR LEAKS AND DEFECTS AT COMPLETION OF ROUGH-IN. CLOSE OPENINGS IN PIPING SYSTEM AND FILL WITH WATER TO POINT OF OVERFLOW, BUT NOT LESS THAN 10-FOOT HEAD OF WATER. FROM 15 MINUTES BEFORE INSPECTION STARTS TO COMPLETION OF INSPECTION, WATER LEVEL MUST NOT DROP. INSPECT JOINTS FOR LEAKS. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS AND RETEST PIPING, OR PORTIONS THEREOF, UNTIL SATISFACTORY RESULTS ARE OBTAINED. INSTALL TEST TEES WHEN THE SYSTEM IS TO BE TESTED IN SECTIONS. LEAVE SANITARY WASTE AND VENT PIPING UNCOVERED AND UNCONCEALED UNTIL IT HAS BEEN TESTED AND APPROVED.

ALL ROOF DRAINAGE PIPING SHALL BE TESTED FOR LEAKS AND DEFECTS AT COMPLETION OF ROUGH-IN. CLOSE OPENINGS IN PIPING SYSTEM AND FILL WITH WATER TO POINT OF OVERFLOW, BUT NOT LESS THAN 10-FOOT HEAD OF WATER. FROM 15 MINUTES BEFORE INSPECTION STARTS TO COMPLETION OF INSPECTION, WATER LEVEL MUST NOT DROP. INSPECT JOINTS FOR LEAKS. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS AND RETEST PIPING, OR PORTIONS THEREOF, UNTIL SATISFACTORY RESULTS ARE OBTAINED. INSTALL TEST TEES WHEN THE SYSTEM IS TO BE TESTED IN SECTIONS. LEAVE ROOF DRAINAGE PIPING UNCOVERED AND UNCONCEALED UNTIL IT HAS BEEN TESTED AND APPROVED.

TEST, INSPECT, AND PURGE NATURAL GAS PIPING SYSTEM IN ACCORDANCE TO THE INTERNATIONAL FUEL GAS CODE AND AUTHORITIES HAVING JURISDICTION.

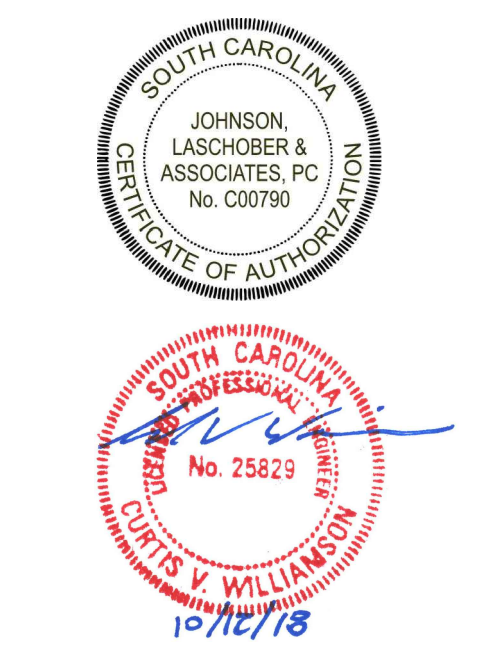
PLUMBING LEGEND

SYMBOL	DESCRIPTION
	UNDERGROUND SOIL & WASTE PIPING
	FORCE MAIN
	VENT PIPING
	FLOOR DRAIN (SEE SCHEDULE)
	WALL CLEANOUT (SEE SCHEDULE)
	FLOOR CLEANOUT (SEE SCHEDULE)
	GROUND CLEANOUT (SEE SCHEDULE)
	VENT THROUGH ROOF
	VENT PIPE
	WASTE PIPING
	SANITARY PIPING
	GAS PIPING
	EXISTING
	COLD WATER PIPING
	HOT WATER PIPING
	PRESSURE REDUCING VALVE
	BACKFLOW PREVENTER
	DOWN
	TYPICAL
	UNLESS NOTED OTHERWISE
	ROOF DRAIN (SEE SCHEDULE)
	EMERGENCY ROOF DRAIN (SEE SCHEDULE)
	GREASE WASTE PIPING
	POTABLE WATER PIPING
	POTABLE WATER UNDERGROUND PIPING
	140°F HOT WATER PIPING
	110°F HOT WATER PIPING
	HOT WATER RECIRCULATION PIPING
	FLOW ARROW
	FULL PORT BALL VALVE
	WALL HYDRANT (SEE PLUMBING SCHEDULE)
	HOSE BIBB (SEE PLUMBING SCHEDULE)
	PIPE DOWN
	PIPE UP
	P-TRAP



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CLIENT: NEWBERRY COUNTY
PROJECT NAME: TOWN OF POMARIA RECREATION CENTER RENOVATIONS
PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126



REV	DATE	BY	DESCRIPTION
0	10/12/18	CVW	ISSUE FOR BID/PERMIT

PROJECT NO. 3606.1705
DRAWN BY: WBR
CHECKED BY: CVW
DATE: 02/14/2017
SHEET TITLE:
PLUMBING GENERAL NOTES AND LEGEND

SCALE: AS NOTED
DRAWING NO. **P-001** REV. 0

C

B

A

SOURCE: J:\2018\REF-DWG_REV_11/20/2017.dwg

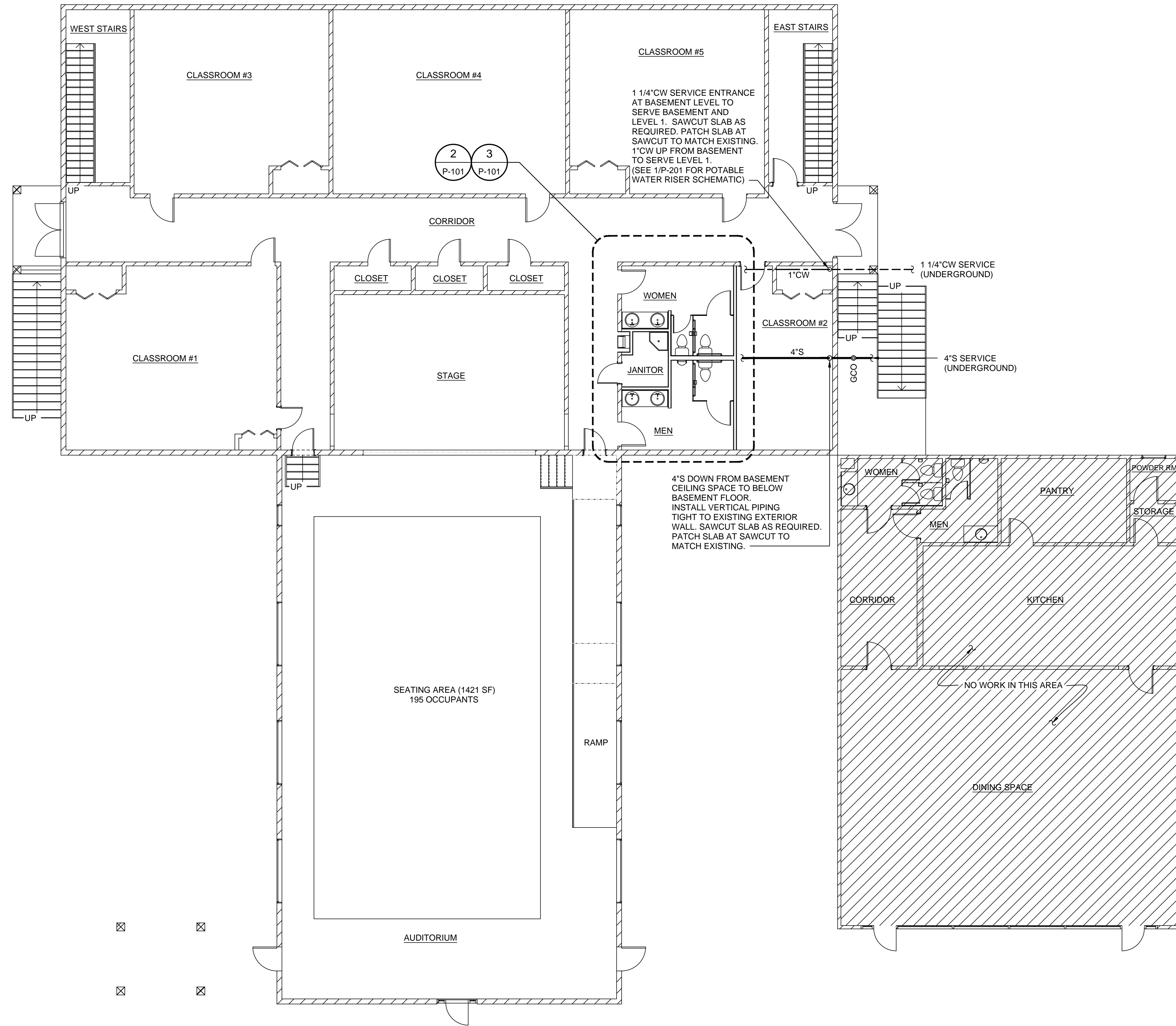
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WASTE PIPING NOTES:

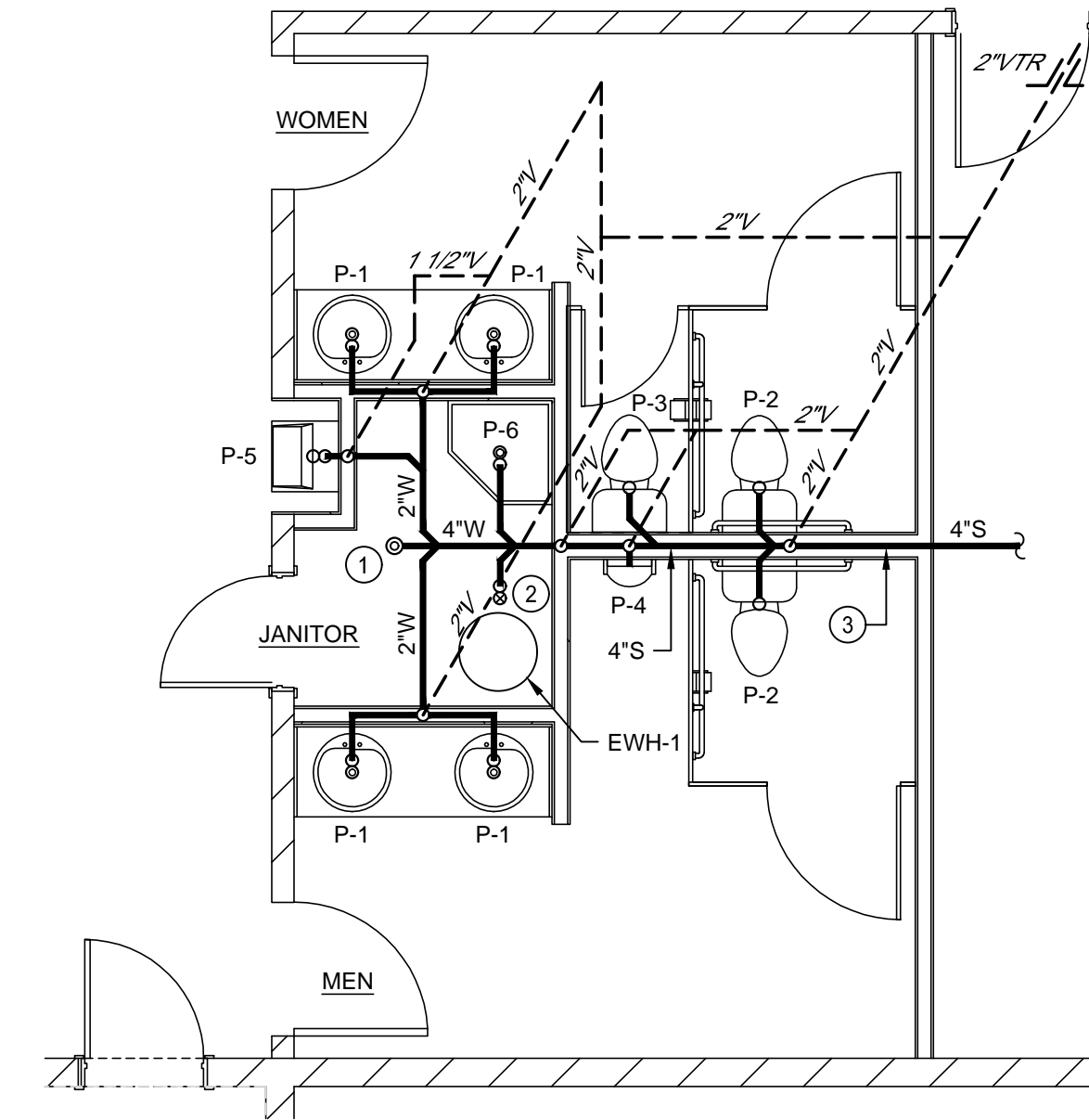
- ① - 4" FCO
- ② - 3" FD
- ③ - WASTE PIPING IS LOCATED IN THE BASEMENT CEILING SPACE (TYP. U.N.O.)

POTABLE WATER PIPING NOTES:

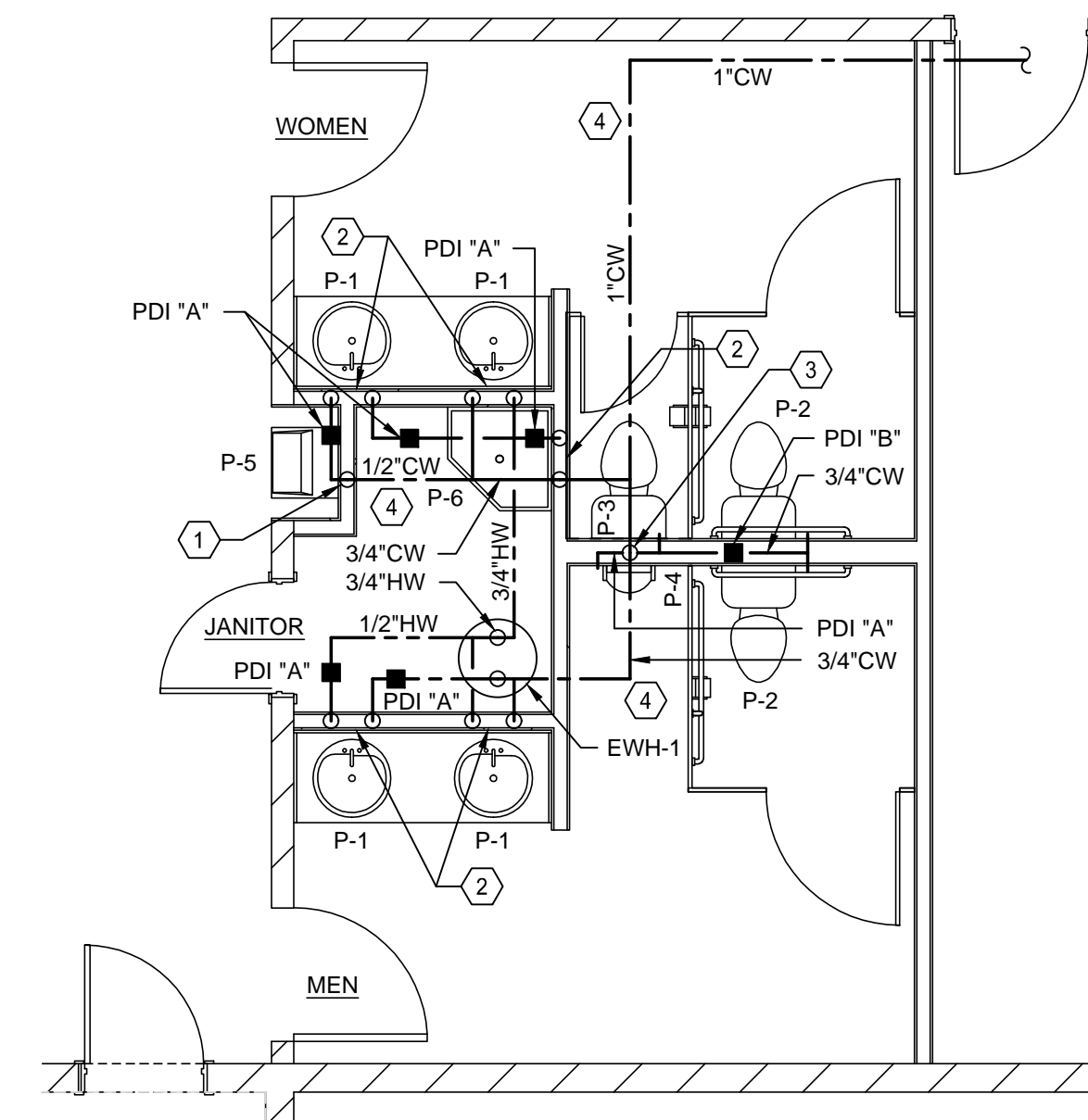
- ① - 1/2" CW DOWN
- ② - 1/2" CW & HW DOWN
- ③ - 1" CW DOWN
- ④ - POTABLE WATER PIPING IS LOCATED IN THE LEVEL 1 CEILING SPACE. (TYPICAL U.N.O.)



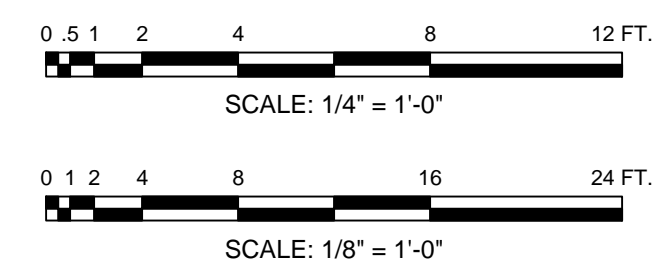
① OVERALL LEVEL 1 PLUMBING PLAN
SCALE: 1/8" = 1'-0"



- NOTES:
- SEE PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL FIXTURE RUN-OUT SIZES.
 - PLUMBING CONTRACTOR SHALL COORDINATE UNDERGROUND PIPING WITH STRUCTURAL COLUMN AND FOOTING LOCATIONS. REROUTE PIPING AS NECESSARY TO AVOID INTERFERENCES.



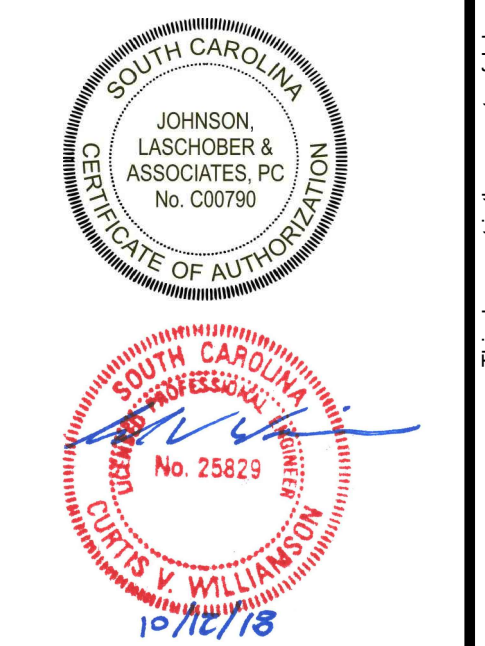
- NOTE:
- SEE PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL FIXTURE RUN-OUT SIZES.



CLIENT: NEWBERRY COUNTY
PO BOX 156 NEWBERRY, SC 29108

PROJECT NAME: TOWN OF POMARIA RECREATION CENTER RENOVATIONS

PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126



REV	DATE	BY	DESCRIPTION
0	10/12/18	CVW	ISSUE FOR BID PERMIT

PROJECT NO. 3606.1705
DRAWN BY: WBR
CHECKED BY: CVW
DATE: 02/14/2017

SHEET TITLE:
LEVEL 1 PLUMBING PLANS

SCALE: AS NOTED

DRAWING NO. **P-101** REV. **0**

MARK	FIXTURE	NOM. PIPE, INCHES				DESCRIPTION
		CW	HW	W	V	
P-1	COUNTERTOP LAVATORY (H.C.)	1/2"	1/2"	2"	1 1/2"	AMERICAN STANDARD 0476.028 ACCESSIBLE LAVATORY, AMERICAN STANDARD 7385.050 FAUCET, GRID DRAIN, ANGLE STOPS, & 3/8" SUPPLIES, PLUMBEREX HANDY-SHIELD MODEL 2003
P-2	WATER CLOSET (H.C.)	1/2"	-	4"	2"	AMERICAN STANDARD CADET PRO 215AB.104, 1.28 GAL. FLUSH w/ CHURCH 295CT TOILET SEAT, MOUNT FLUSH OPERATOR ON WIDE SIDE OF TOILET.
P-3	WATER CLOSET	1/2"	-	4"	2"	AMERICAN STANDARD CADET PRO 215CB.104, 1.28 GAL. FLUSH w/ CHURCH 295CT TOILET SEAT.
P-4	URINAL (H.C.)	3/4"	-	2"	2"	AMERICAN STANDARD MODEL ALLBROOK 0.5 6550.001 w/ SLOAN REGAL 186-0.5 3/4" FLUSH VALVE
P-5	WATER COOLER	1/2"	-	2"	1 1/2"	OASIS VERSACOOLER II MODEL PG8AC
P-6	MOP BASIN	1/2"	1/2"	3"	2"	FIAT MODEL MSB-2424, FAUCET 830-AA, HOSE & HOSE BRACKET 832-AA, MOP HANGER 889-CC AND STRAINER
EW-1	ELEC. WATER HEATER	3/4"	3/4"	-	-	A.O. SMITH MODEL DEN-30, 30 GALLON CAP. NON-SIMULTANEOUS 4500W, 208/1Ø/60 RECOVERY RATE OF 18 GPH AT A 100° F TEMP. RISE

NOTES: 1. ALL FIXTURES, FITTINGS, AND TRIM TO COMPLY WITH THE LATEST REVISION OF THE AMERICAN DISABILITIES ACT, WHERE APPLICABLE.
2. SUPPORT URINALS w/ WALL HANGERS AND THRU BOLTS.
3. RIM HEIGHT SHALL COMPLY w/ ADA REQUIREMENTS AND STANDARD MANUFACTURER RECOMMENDED INSTALLATION HEIGHTS FOR NON-ADA FIXTURES.
4. PLUMBING CONTRACTOR TO COORDINATE w/ COUNTER TOP CONTRACTOR BEFORE ORDERING SINKS.

FLOOR DRAIN & CLEANOUT SCHEDULE			
SYMBOL	J.R. SMITH SERIES NO.	PROVIDE	NOTES
FD	2010-B	① ②	
GCO	4237		
FCO	4040		
WCO	4452-U		

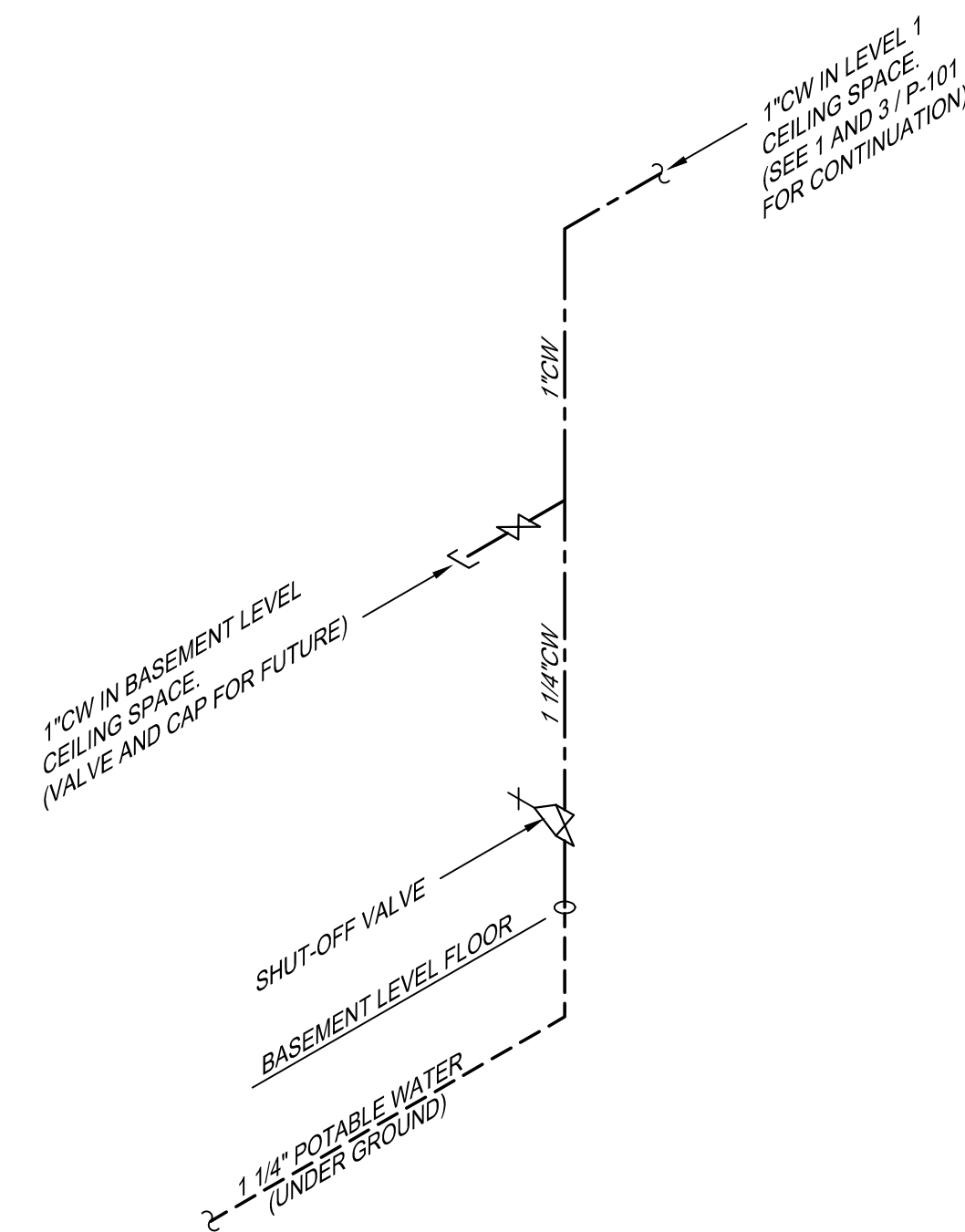
FLOOR DRAIN & CLEANOUT ACCESSORIES			
①	PROVIDE MANUFAC. RECOMMENDED STRAINER SIZE BASED ON OUTLET SIZE	②	PROSET TRAP GUARD INSERT

- NOTES:
1. PROVIDE PROSET "T-RITE" DRAINS ON ALL FLOOR/SHOWER/HUB DRAINS THAT ARE THROUGH PENETRATION OF A FIRE RATED FLOOR.
2. COORDINATE FLOOR FINISHES w/ FLOOR DRAINS AND FLOOR CLEANOUTS. (ADJUST FLOOR DRAIN AND FLOOR CLEANOUT ELEVATIONS AS REQUIRED)

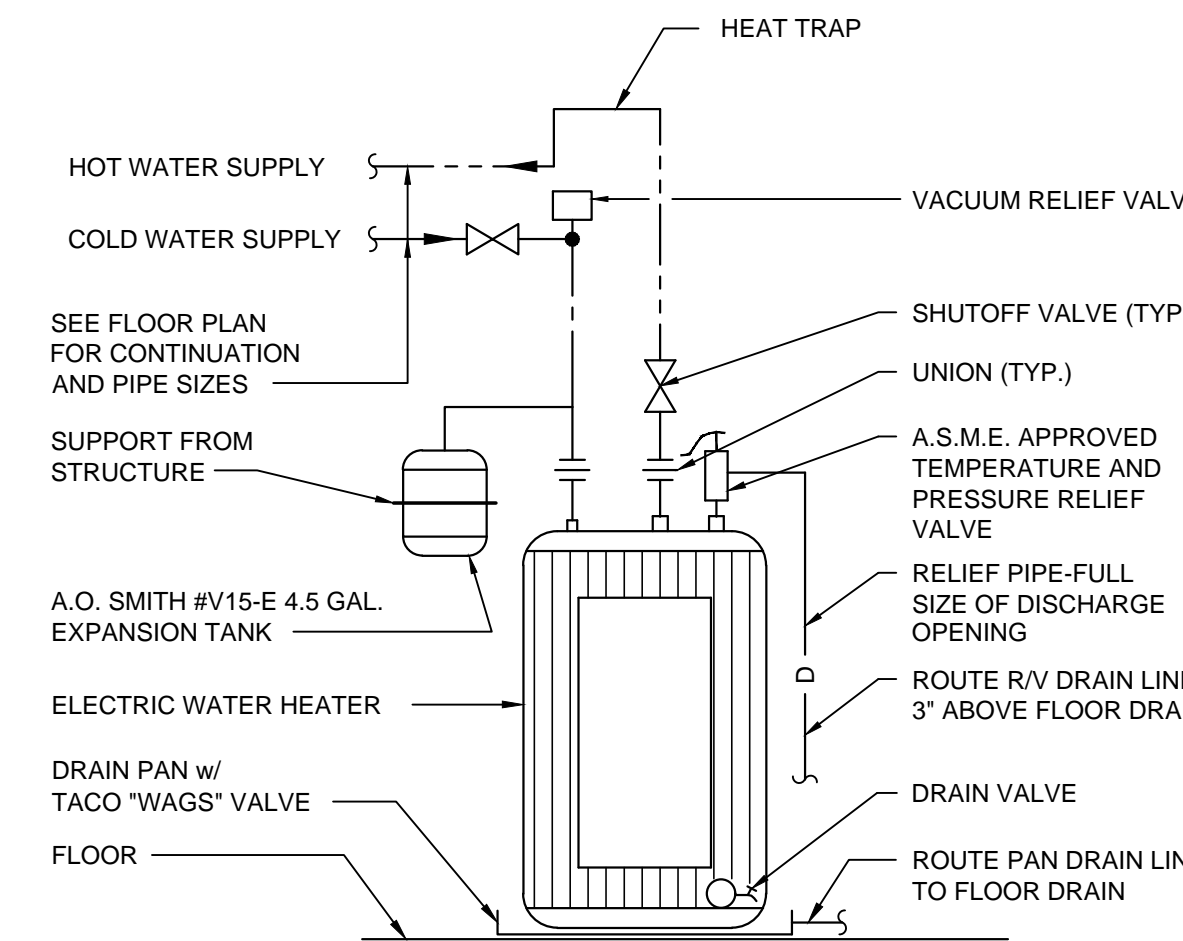
HANGERS & SUPPORTS				
SPACING: DO NOT EXCEED THE FOLLOWING SPACING, ON CENTERS				
PIPE SIZE	SCH. 40 PVC	COPPER	STEEL	HANGER ROD DIA.
1/2" - 3/4"	4 FT.	5 FT.	7 FT.	1/4"
1"	4 FT.	6 FT.	7 FT.	1/4"
1 1/2"	4 FT.	6 FT.	9 FT.	3/8"
2"	4 FT.	8 FT.	10 FT.	3/8"
2 1/2"	4 FT.	9 FT.	11 FT.	3/8"
3"	4 FT.	10 FT.	12 FT.	3/8"
4"	4 FT.	10 FT.	12 FT.	1/2"

WATER HAMMER ARRESTER SCHEDULE	
SYMBOL	FIXTURE UNIT RATING
PDI "A"	1-11
PDI "B"	12-32
PDI "C"	33-60
PDI "D"	61-113
PDI "E"	114-154
PDI "F"	155-330

NOTE:
USE METAL-BELLOWS TYPE WITH PRESSURIZED METAL CUSHIONING CHAMBER, COMPLYING WITH STANDARD P.D.I. WH-201.



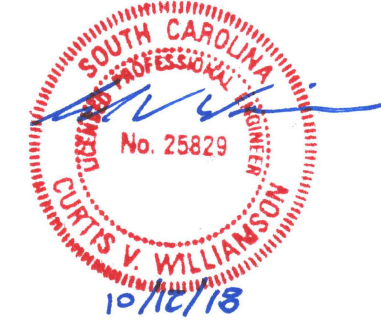
1 POTABLE WATER RISER SCHEMATIC
P-201 NO SCALE



2 ELECTRIC WATER HEATER SCHEMATIC
P-201 NO SCALE



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PO BOX 156 NEWBERRY, SC 29108
PROJECT NAME: TOWN OF POMARIA RECREATION CENTER RENOVATIONS
PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126



REV	DATE	BY	DESCRIPTION
0	10/12/18	CVW	ISSUE FOR BID PERMIT

PROJECT NO. 3606.1705
DRAWN BY: WBR
CHECKED BY: CVW
DATE: 02/14/2017

SHEET TITLE:
PLUMBING SCHEDULES AND DETAILS

SCALE: AS NOTED
DRAWING NO. P-201
REV. 0

HVAC GENERAL NOTES:

GENERAL:
THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PRODUCT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

WORK COVERED BY THIS DOCUMENT SHALL INCLUDE ALL LABOR, MATERIAL, PRODUCTS, AND SERVICES FOR, AND INCIDENTAL TO, INSTALLATION OF COMPLETE AND OPERATING HVAC SYSTEMS DRAWN OR SPECIFIED.

ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, NFPA 13, NFPA 90A, NFPA 90B, NFPA 96, 2017 NATIONAL ELECTRICAL CODE, AND 2015 INTERNATIONAL MECHANICAL CODE w/ AMENDMENTS.

ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ARCHITECT OR ENGINEER.

INSTALL ALL MECHANICAL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.

ARRANGEMENTS OF MECHANICAL WORK SHALL BE AS SHOWN. DRAWINGS ARE NOT INTENDED TO INDICATE ALL OFFSETS AND FITTINGS. EXAMINE ALL DRAWINGS, INVESTIGATE CONDITIONS TO BE ENCOUNTERED AND ARRANGE WORK ACCORDINGLY; FURNISH AND INSTALL ALL FITTINGS AND OFFSETS.

DRAWINGS ARE NOT INTENDED TO SHOW IN DETAIL EXACT LOCATIONS AND CONNECTIONS FOR EQUIPMENT AND ACCESSORIES. FINAL CONNECTIONS SHALL BE AS SHOWN ON APPROVED SHOP DRAWINGS.

MEASUREMENT OF DRAWINGS BY SCALE SHALL NOT BE USED AS DIMENSIONS FOR FABRICATION. MEASUREMENTS FOR LOCATING EQUIPMENT, DUCTWORK, PIPING AND ACCESSORIES SHALL BE MADE ON THE JOB SITE AND SHALL BE BASED ON ACTUAL JOB CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEASUREMENTS. WHERE THE CONTRACTOR PREFABRICATES ANY WORK BASED ON THE DRAWINGS WITHOUT VERIFYING ACTUAL JOB CONDITIONS, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS INVOLVED IN MAKING CHANGES TO PREFABRICATED WORK WHERE CONFLICTS OCCUR.

THE CONTRACTOR SHALL CHECK CEILING HEIGHTS IN EACH SPACE ON ARCHITECTURAL DRAWINGS AND SHALL ARRANGE ALL MECHANICAL WORK TO FIT IN THE SPACE ABOVE THE CEILING ALLOWING FOR ACCESS TO REMOVE TILE. PARTICULAR ATTENTION SHALL BE DIRECTED TOWARD DUCT SIZES AS SHOWN ON DRAWINGS, TO VERIFY THAT DUCTWORK ALONG WITH ALL OTHER WORK WILL FIT IN THE SPACE ABOVE THE CEILINGS. AFTER VERIFYING DIMENSIONS, IF THE CONTRACTOR DETERMINES THAT THE WORK WILL NOT FIT IN THE SPACE INDICATED, THEN THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF THE CONFLICT AND SHALL NOT INSTALL ANY WORK UNTIL INSTRUCTIONS ARE RECEIVED FROM THE ARCHITECT/ENGINEER. IF THE CONTRACTOR INSTALLS WORK AS SHOWN ON DRAWINGS WITHOUT VERIFYING ADEQUACY OF SPACES, AND THE WORK DOES NOT FIT THE SPACE SHOWN, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR REARRANGING WORK AND CHANGING DUCT SIZES AS REQUIRED TO FIT THE SPACE AND THE CONTRACTOR SHALL PAY ALL COSTS CONNECTED WITH THE CHANGES.

CONTRACTOR SHALL INSTALL DUCTS, PIPING AND EQUIPMENT IN A NEAT AND WORKMANLIKE MANNER AND SHALL AVOID CONFLICT WITH OTHER WORK. EQUIPMENT SHALL BE SO ARRANGED AND FITTED INTO AVAILABLE SPACE SO THAT WORKING PARTS INCLUDING FILTERS AND LUBRICATION POINTS, AND COIL REMOVAL ARE ACCESSIBLE FOR SERVICE WITHOUT DAMAGE TO BUILDING STRUCTURE OR FINISHES OR WITHOUT MOVING OTHER EQUIPMENT. THE CONTRACTOR SHALL NOT INSTALL ANY EQUIPMENT WHERE PARTS ARE INACCESSIBLE FOR SERVICE.

WHERE MOUNTING HEIGHTS ARE NOT DETAILED OR DIMENSIONED, INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT TO PROVIDE MAXIMUM HEADROOM POSSIBLE.

EXACT LOCATION OF GRILLES & CEILING OUTLETS SHALL BE DETERMINED ON THE JOB. COORDINATE WITH LIGHTS AND ARCHITECTURAL REQUIREMENTS TO PROVIDE A UNIFORM & SYMMETRICAL APPEARANCE. REFER TO ARCHITECTURAL & ELECTRICAL DRAWINGS & DETAILS.

CUTTING AND REPAIRING: THE HVAC CONTRACTOR SHALL DO ALL CUTTING AND REPAIRING OF WALLS, FLOORS, CEILINGS, ETC. NECESSARY FOR THE INSTALLATION OF THE WORK BUT HE SHALL NOT CUT INTO ANY STRUCTURAL MEMBER WITHOUT THE PERMISSION OF THE ARCHITECT.

PROVIDE UNION OR FLANGE CONNECTIONS IN PIPING AT ALL EQUIPMENT & AS REQUIRED FOR SERVICE.

GENERAL CONTRACTOR TO PROVIDE ACCESS PANELS FOR ALL INACCESSIBLE, ABOVE CEILING DAMPERS AND EQUIPMENT. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

METAL DUCT:
ALL DUCTWORK SHALL BE INSTALLED IN STRICT COMPLIANCE WITH SMACNA, NFPA BULLETIN 90A, AND ASHRAE GUIDES. UNLESS OTHERWISE NOTED, DUCTWORK SHALL BE GALVANIZED SHEET STEEL. FIBERGLASS DUCTWORK IS NOT ACCEPTABLE.

ALL EXPOSED SUPPLY AND RETURN DUCTWORK SHALL BE RECTANGULAR GALVANIZED LINED DUCT WITH PAINT GRIP PRIMER OR DOUBLE WALL INSULATED SPIRAL DUCT WITH PAINT GRIP PRIMER, U.N.O..

MINIMUM DUCTWORK STATIC PRESSURE CLASS SHALL BE 2-INCH W.G. MINIMUM DUCT SEAL CLASS SHALL BE CLASS "A".

ALL DUCT DIMENSIONS ARE CLEAR INSIDE DIMENSIONS. ON RECTANGULAR DUCTS, DIMENSIONS GIVEN FIRST IS DIMENSION SEEN. DUCT DIMENSIONS MAY BE ALTERED AS LONG AS SAME DUCT CROSS SECTIONAL AREA IS MAINTAINED, IN ORDER TO AVOID INTERFERENCES AS NEEDED.

LOW PRESSURE FLEXIBLE DUCT: FACTORY FABRICATED ASSEMBLY, UL-181, CLASS 1 LISTED, HAVING A MINIMUM R-VALUE OF 4.2, EQUAL TO THERMAFLEX "KM". CONNECT DIFFUSERS TO DUCTS WITH MAXIMUM 60-INCH LENGTHS OF FLEXIBLE DUCT CLAMPED OR STRAPPED IN PLACE.

MANUAL VOLUME DAMPERS: DAMPERS SHALL BE SAME MATERIAL AS DUCTWORK, PER SMACNA. PROVIDE AXLES FULL LENGTH OF DAMPER BLADES AND BEARINGS AT BOTH ENDS OF OPERATING SHAFT. PROVIDE MANUAL VOLUME DAMPERS IN ALL BRANCH DUCTS (ONE PER SUPPLY AND RETURN OUTLET).

FLEXIBLE CONNECTIONS: GLASS FABRIC DOUBLE COATED WITH NEOPRENE, 26 OZ. PER SQUARE YARD, COMPLYING WITH UL 181, CLASS 1. PROVIDE FLEXIBLE CONNECTION BETWEEN ALL EQUIPMENT AND RIGID DUCTWORK. FABRIC CONNECTIONS SHALL BE AT LEAST 3.5 INCHES WIDE AND HAVE A METAL-EDGED CONNECTOR AT EACH END. PROVIDE METAL COMPATIBLE WITH CONNECTED DUCTS.

TURNING VANES: GALVANIZED STEEL, COMPLYING WITH SMACNA. VANES SHALL BE SINGLE WALL FOR DUCTS UP TO 48 INCHES WIDE AND DOUBLE WALL FOR LARGER DIMENSIONS. ALL 90 DEGREE SQUARE ELBOWS AND TEES SHALL HAVE TURNING VANES (SUPPLY & RETURN DUCT).

DUCT INSULATION:
ALL CONCEALED SUPPLY AND RETURN DUCTS SHALL BE INSULATED WITH 2.2 INCH THICK MINERAL-FIBER BLANKET INSULATION, ASTM C533 TYPE II AND ASTM C1290 TYPE III, WITH FACTORY-APPLIED FSK JACKET AND 3/4 LB. NOMINAL DENSITY, EQUAL TO CERTAINTED "SOFTTOUCH DUCT WRAP".

ALL OUTDOOR SUPPLY AND RETURN DUCTS SHALL BE INSULATED WITH 1.5 INCH THICK MINERAL-FIBER BOARD INSULATION, ASTM C612 TYPE IA OR TYPE IB, WITH FACTORY-APPLIED FSK JACKET AND 2 LB. NOMINAL DENSITY, EQUAL TO CERTAINTED "CERTAPRO COMMERCIAL BOARD". INSTALL FIELD-APPLIED ALUMINUM JACKET, 0.0020 INCH THICK, OVER INSULATION MATERIAL ON ALL OUTDOOR SUPPLY AND RETURN DUCTS.

DUCT LINER (NON-ACOUSTIC) SHALL BE 1 INCH THICK FLEXIBLE CLOSED-CELL ELASTOMERIC DUCT LINER, COMPLYING WITH ASTM C534 TYPE II AND NFPA 90A OR NFPA 90B, EQUAL TO ARMACELL "AP ARMAFLEX".

ACOUSTIC DUCT LINER SHALL BE 1 INCH THICK FLEXIBLE CLOSED-CELL ELASTOMERIC DUCT LINER, COMPLYING WITH ASTM C534 TYPE II AND NFPA 90A OR NFPA 90B, EQUAL TO ARMACELL "AP COILFLEX".

REFRIGERANT PIPING:
PROVIDE AND INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN SUCH A WAY AS TO BE INCONSPICUOUS AND FREE FROM ANY POSSIBLE CONDENSATION.

REFRIGERANT PIPING SHALL BE COPPER, TYPE ACR, ANNEALED-TEMPER TUBING AND WROUGHT-COPPER FITTINGS WITH SOLDERED JOINTS SUITABLE FOR CONNECTION WITH SILVER SOLDER.

ALL INDOOR REFRIGERANT SUCTION AND HOT GAS PIPING SHALL BE INSULATED WITH 1 INCH THICK FLEXIBLE CLOSED-CELL ELASTOMERIC INSULATION, EQUAL TO ARMACELL "AP ARMAFLEX".

ALL OUTDOOR REFRIGERANT SUCTION AND HOT GAS PIPING SHALL BE INSULATED WITH 2 INCH THICK FLEXIBLE CLOSED-CELL ELASTOMERIC INSULATION, EQUAL TO ARMACELL "AP ARMAFLEX".

CONDENSATE DRAIN PIPING:
ALL CONDENSATE DRAIN PIPING AND FITTINGS SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELD JOINTS, CONFORMING TO ASTM D 1785, ASTM D 2466, AND ASTM 2564.

CONTROLS:
PROVIDE AND INSTALL CONTROL WIRING AND 7-DAY PROGRAMMABLE THERMOSTATS AS REQUIRED UNLESS OTHERWISE SPECIFIED. MOUNT THERMOSTATS 4'-0" A.F.F.

ELECTRICAL:
ALL EQUIPMENT FURNISHED UNDER THIS DIVISION SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE REQUIREMENTS OF DIVISION 26. ALL POWER WIRING AND FINAL POWER CONNECTIONS TO THE SYSTEM SHALL BE PROVIDED UNDER DIVISION 26. CONTROL WIRING (120V AND LESS) SHALL BE PROVIDED UNDER DIVISION 23 AND EXTEND FROM THE INDICATED 120V POWER CIRCUIT INDICATED ON THE ELECTRICAL DRAWINGS. ALL ELECTRICAL CHARACTERISTICS SHALL BE TAKEN FROM THE ELECTRICAL DRAWINGS AND SPECIFICATIONS AND COORDINATED PRIOR TO ORDERING THE EQUIPMENT. ALL WIRING IN THE CEILING PLENUM SHALL BE PLENUM-RATED CABLE OR INSTALLED IN CONDUIT.

MOTORS AND STARTERS:
PROVIDE MOTORS, STARTERS, VARIABLE FREQUENCY DRIVES, PUSH BUTTONS, THERMAL OVERLOAD SWITCHES, AND CONTACTORS FOR EQUIPMENT COVERED HEREIN UNLESS OTHERWISE SPECIFIED. INSTALLATION OF STARTERS, PUSH BUTTONS, THERMAL OVERLOAD SWITCHES, AND CONTACTORS (NOT FACTORY INSTALLED) IS SPECIFIED UNDER DIVISION 26.

CLEANING AND ADJUSTING:
CLEAN ALL GREASE, OIL, PAINT, AND OTHER CONSTRUCTION DEBRIS FROM THE EXTERIOR SURFACES OF ALL MECHANICAL EQUIPMENT, PIPING, AND DUCTS. CLEAN ALL DUCTS, PLENUMS, AND CASINGS OF DEBRIS AND BLOWN FREE OF ALL PARTICLES OF RUBBISH AND DUST PRIOR TO INSTALLATION OF OUTLET FACES.

BEARINGS THAT REQUIRE LUBRICATION SHALL BE LUBRICATED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL CONTROL EQUIPMENT SHALL BE ADJUSTED TO THE SETTINGS INDICATED OR REQUIRED FOR PERFORMANCE AS SPECIFIED. REMOVE ALL STICKERS, RUST, STAINS, LABELS, AND TEMPORARY COVERS BEFORE FINAL ACCEPTANCE. REMOVE FOREIGN MATTER FROM EQUIPMENT, PIPING AND DUCTWORK SYSTEMS AND APPURTENANCES. CLEAN AND POLISH IDENTIFICATION PLATES.

REMOVE ALL TRASH AND DEBRIS FROM THE JOBSITE ON A DAILY BASIS.

TESTING, ADJUSTING, AND BALANCING:
ALL WORK SHALL BE TESTED AND BALANCED BY AN INDEPENDANT CERTIFIED TAB SPECIALIST. TAB SPECIALIST SHALL BE CERTIFIED BY AABC, NEBB, OR TABB.

SUBMIT FINAL TEST AND BALANCE REPORT FOR REVIEW AND APPROVAL PRIOR TO TURN-OVER OF FINAL PROJECT.

HVAC LEGEND	
SYMBOL	DESCRIPTION
	SUPPLY DIFFUSER
	RETURN AIR GRILLE
	CEILING MOUNTED EXHAUST FAN
$\frac{A}{100}$	MARK/CFM (SEE DIFFUSER/GRILLE SCHEDULE)
30/14	DUCT SIZE (WIDTH/HEIGHT)
	MANUAL VOLUME DAMPER
	THERMOSTAT, WALL MOUNTED
	VRF SYSTEM CONTROLLER, WALL MOUNTED
	DOAS SPACE TEMPERATURE/REL. HUMIDITY SENSOR
	DOAS CONTROLLER, WALL MOUNT
	REFRIGERANT PIPING
\varnothing	ROUND (DIAMETER)
	AIR FLOW DIRECTION
	FLEX DUCT (LOW PRESSURE)
	NEW DUCTWORK
SA	SUPPLY AIR
RA	RETURN AIR
EA	EXHAUST AIR
OA	OUTDOOR AIR
U.N.O.	UNLESS NOTED OTHERWISE

DESIGN CONDITIONS			
	SUMMER	WINTER	COMMENTS
INDOORS	75°Fdb 50%RH	70°Fdb	①②
OUTDOORS	94°Fdb / 75°Fwb	21°Fdb	①②③

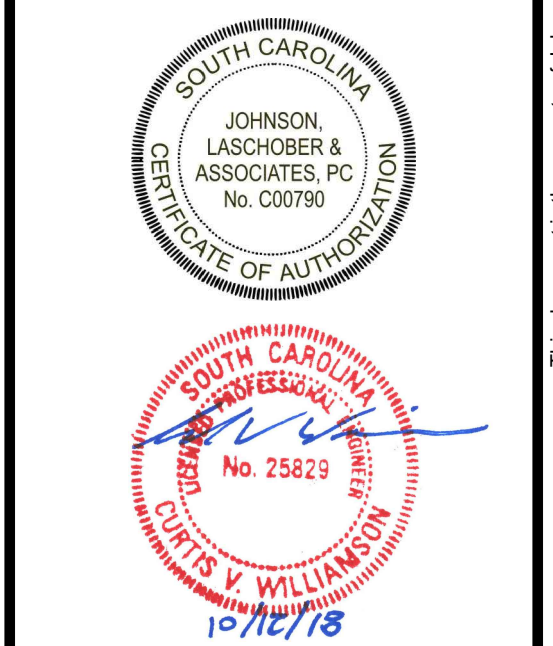
- ① OUTDOOR AIR QUANTITIES BASED ON ASHRAE 62.1-2013
- ② VENTILATION RATES BASED ON ASHRAE 62.1-2013
- ③ BASED ON SOUTH CAROLINA ENERGY CODE



CLIENT: NEWBERRY COUNTY
PO BOX 156 NEWBERRY, SC 29108

PROJECT NAME: TOWN OF POMARIA RECREATION CENTER RENOVATIONS

PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126



REV	DATE	BY	DESCRIPTION
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PROJECT NO. 3606.1705
DRAWN BY: MNB
CHECKED BY: CVW
DATE: 02/14/2017

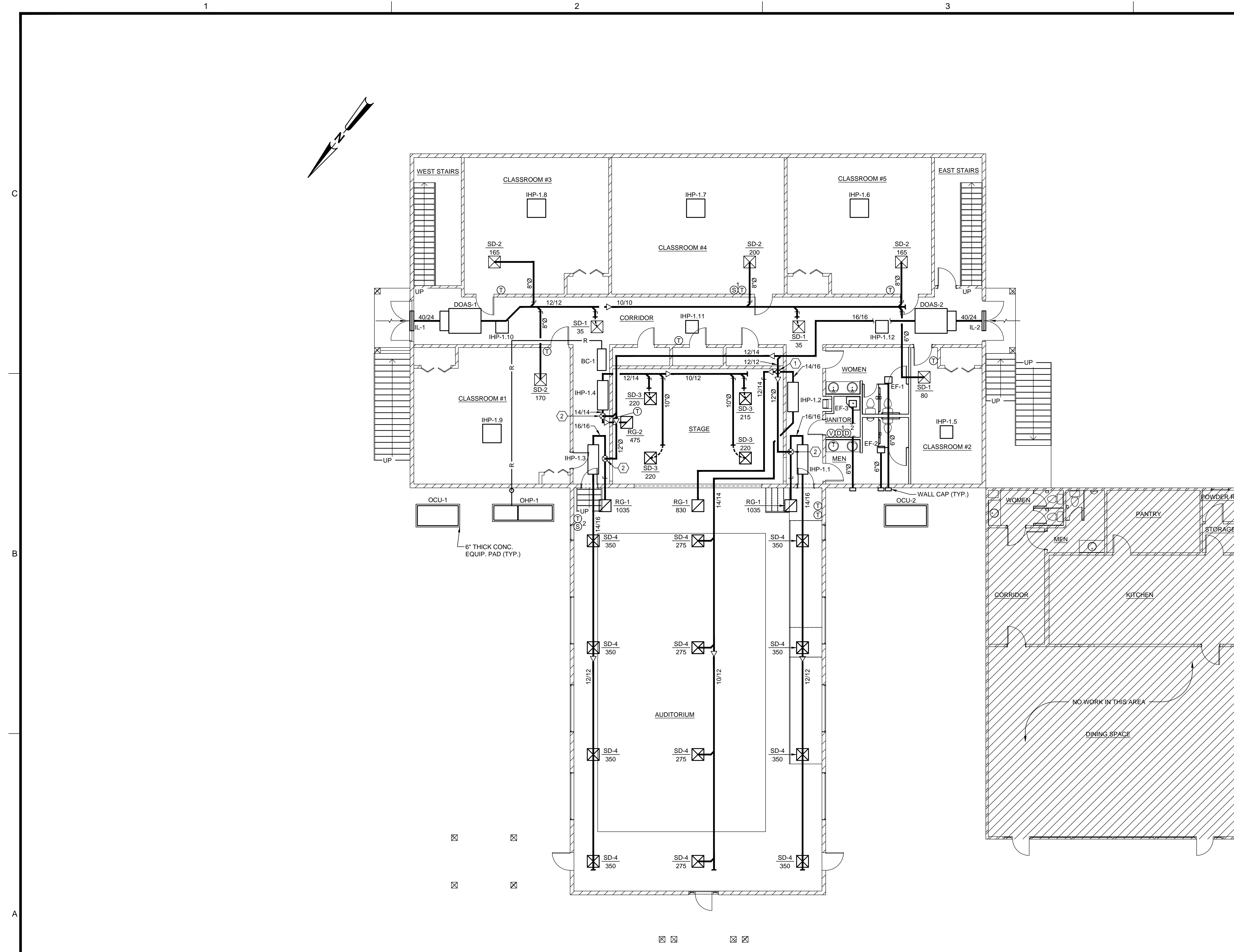
SHEET TITLE:
HVAC GENERAL NOTES AND LEGEND

SCALE: AS NOTED

DRAWING NO. **M-001** REV. **0**

SOURCE: J:\2018\REF-DWG REV. 11/20/2017 -RLB

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1 OVERALL LEVEL 1 HVAC PLAN
M-101 SCALE: 1/8" = 1'-0"

HVAC GENERAL NOTES:

- ① - 10" Ø OA DUCT WITH MANUAL VOLUME DAMPER DOWN TO RA DUCTWORK.
- ② - 12" Ø OA DUCT WITH MANUAL VOLUME DAMPER DOWN TO RA DUCTWORK.

ALTERNATE #2 NOTES:

DELETE VRF SYSTEM IN ITS ENTIRETY, INCLUDING OUTDOOR UNITS, INDOOR UNITS, BC CONTROLLER, AND ALL ASSOCIATED DUCTWORK, DIFFUSERS, PIPING, CONTROLS, AND APPURTENANCES.

DELETE DOAS SYSTEM IN ITS ENTIRETY, INCLUDING OUTDOOR UNITS, INDOOR UNITS, LOUVERS, AND ALL ASSOCIATED DUCTWORK, DIFFUSERS, PIPING, CONTROLS, AND APPURTENANCES.

PROVIDE AND INSTALL NINE (9) EXTERIOR, WALL-MOUNT, SELF-CONTAINED HEAT PUMPS (BARD OR EQUAL) AND ONE (1) SPLIT SYSTEM HEAT PUMP (TRANE OR EQUAL), AS FOLLOWS:

- CLASSROOM #1: ONE (1) WALL-MOUNT, 2-TON NOMINAL COOLING CAPACITY, 800 CFM SA, 160 CFM OA, 6 KW STRIP HEAT, 35 MCA, 40 MOCP, 208/3/60, WITH BI-POLAR IONIZATION GENERATOR (GPS OR EQUAL).
- CLASSROOM #2: ONE (1) WALL-MOUNT, 1.5-TON NOMINAL COOLING CAPACITY, 600 CFM SA, 120 CFM OA, 4 KW STRIP HEAT, 37 MCA, 40 MOCP, 208/1/60, WITH BI-POLAR IONIZATION GENERATOR (GPS OR EQUAL).
- CLASSROOM #3: ONE (1) WALL-MOUNT, 1.5-TON NOMINAL COOLING CAPACITY, 600 CFM SA, 120 CFM OA, 4 KW STRIP HEAT, 37 MCA, 40 MOCP, 208/1/60, WITH BI-POLAR IONIZATION GENERATOR (GPS OR EQUAL).
- CLASSROOM #4: ONE (1) WALL-MOUNT, 2-TON NOMINAL COOLING CAPACITY, 800 CFM SA, 160 CFM OA, 6 KW STRIP HEAT, 35 MCA, 40 MOCP, 208/3/60, WITH BI-POLAR IONIZATION GENERATOR (GPS OR EQUAL).
- CLASSROOM #5: ONE (1) WALL-MOUNT, 1.5-TON NOMINAL COOLING CAPACITY, 600 CFM SA, 120 CFM OA, 4 KW STRIP HEAT, 37 MCA, 40 MOCP, 208/1/60, WITH BI-POLAR IONIZATION GENERATOR (GPS OR EQUAL).
- AUDITORIUM: FOUR (4) WALL-MOUNT, 3-TON NOMINAL COOLING CAPACITY, 1200 CFM SA, 240 CFM OA, 6 KW STRIP HEAT, 41 MCA, 45 MOCP, 208/3/60, WITH BI-POLAR IONIZATION GENERATOR (GPS OR EQUAL).
- CORRIDOR/RESTROOM: ONE (1) SPLIT SYSTEM, 2-TON NOMINAL COOLING CAPACITY, 800 CFM SA, 120 CFM OA, 3.6 KW STRIP HEAT, 25 MCA, 25 MOCP (INDOOR UNIT), 14 MCA, 25 MOCP (OUTDOOR UNIT), 208/1/60.

CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL EQUIPMENT LOCATIONS. EXTERIOR WALL PENETRATIONS AND EQUIPMENT SUPPORTS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.

SEE ELECTRICAL DRAWINGS FOR ALTERNATE #2 ELECTRICAL NOTES.

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WWW.THEJLAGROUP.COM

CLIENT: NEWBERRY COUNTY
PROJECT NAME: TOWN OF POMARIA RECREATION CENTER RENOVATIONS
PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126

SOUTH CAROLINA
CURTIS V. WILLIAMSON
No. 25623
10/12/18

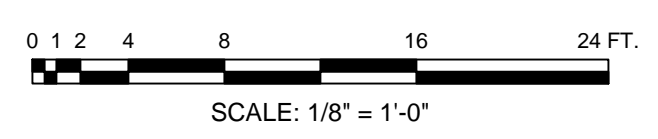
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PROJECT NO. 3606.1705
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DATE: 02/14/2017

SHEET TITLE:
LEVEL 1 HVAC PLANS

SCALE: AS NOTED

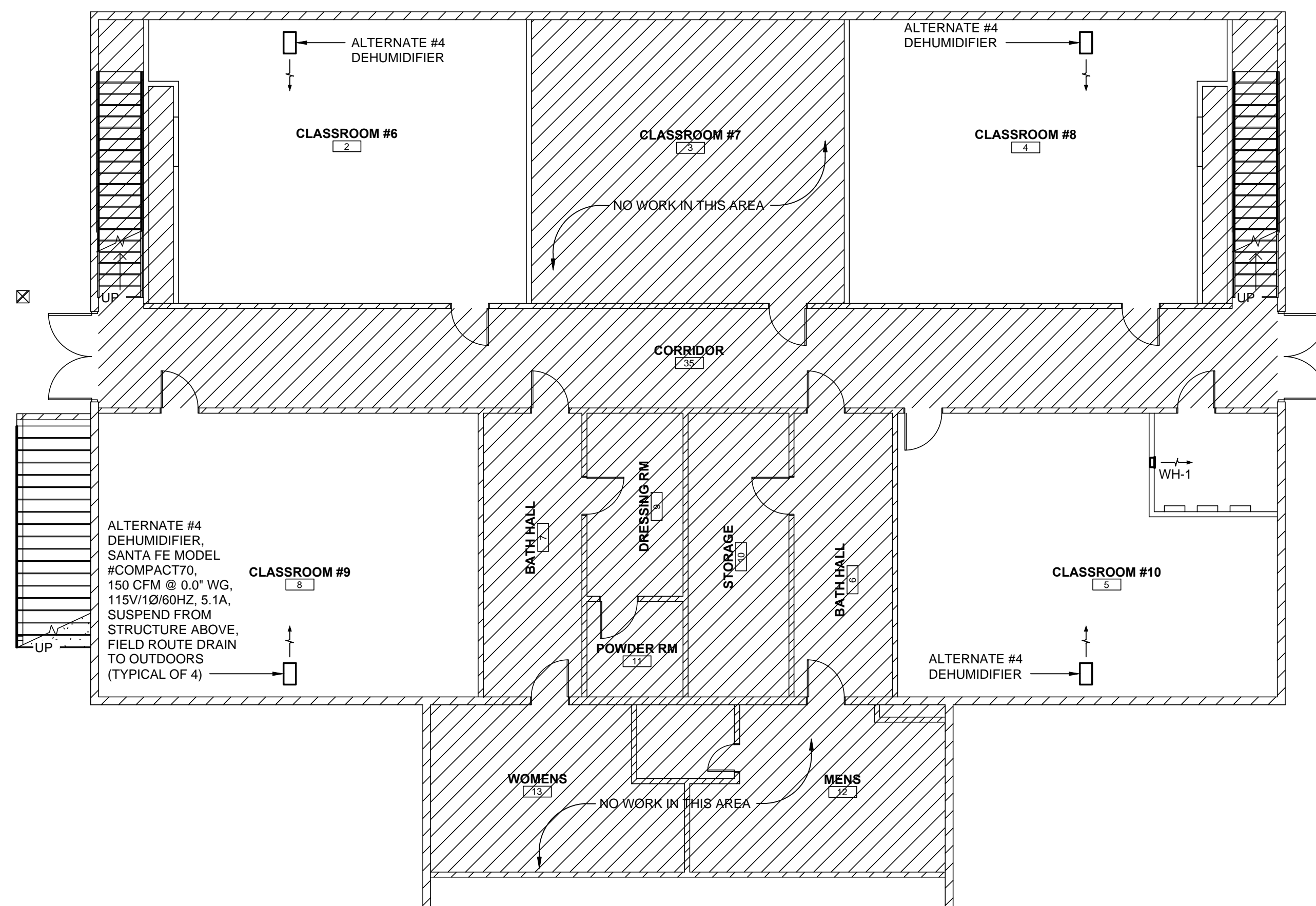
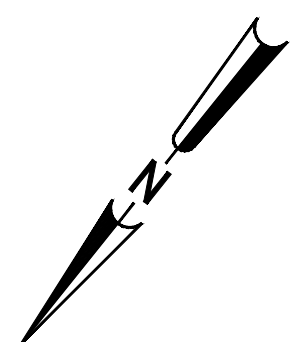
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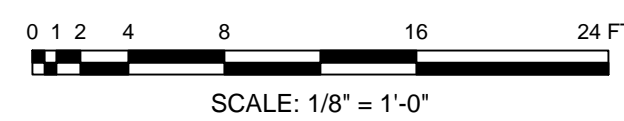
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C
B
A



1 BASEMENT HVAC PLAN
M-102 SCALE: 1/8" = 1'-0"



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PO BOX 156 NEWBERRY, SC 29108

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RECREATION CENTER
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PROJECT LOCATION:
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SHEET TITLE:
**BASEMENT HVAC
PLAN**

SCALE: AS NOTED

DRAWING NO. REV.

M-102 0

VRF OUTDOOR HEAT PUMP SCHEDULE											
MARK	BASIS OF DESIGN		COOLING MBH	HEATING MBH	REFRIG. O.D.		MIN. EER	ELECTRICAL			NOTES
	MANUFACTURER	MODEL NO.			LIQUID	SUCTION		MCA	MOCP	V/Ø/Hz	
OHP-1	DAIKIN	VRV-P216TSLMU	219.8	239.8	1-1/8	1-1/8	11.7	①	②	208/3/60	③④⑤

- ① MODULE 1: 42A
MODULE 2: 33A
- ② MODULE 1: 60A
MODULE 2: 50A
- ③ SEE VRF BC CONTROLLER SCHEDULE
- ④ TWINNING KIT
- ⑤ PROVIDE SYSTEM REMOTE CONTROLLER

VRF AIR HANDLING UNIT SCHEDULE												
MARK	BASIS OF DESIGN		NOM. CFM	MAX. O/A	E.S.P. "W.C.	COOLING MBH		HEATING MBH	ELECTRICAL			NOTES
	MANUFACTURER	MODEL NO.				TOTAL	SENSIBLE		MCA	MOCP	V/Ø/Hz	
IHP-1.1	DAIKIN	PVFX-P48NAMU	1400	365	0.8	48.1	33.9	54.0	5.63	15	208/1/60	①②③④
IHP-1.2	DAIKIN	PVFX-P36NAMU	1100	270	0.8	36.1	26.0	40.0	4.13	15	208/1/60	①②③④
IHP-1.3	DAIKIN	PVFX-P48NAMU	1400	365	0.8	48.1	33.9	54.0	5.63	15	208/1/60	①②③④
IHP-1.4	DAIKIN	PVFX-P30NAMU	875	400	0.5	30.1	21.9	34.0	4.13	15	208/1/60	①②③④
IHP-1.5	DAIKIN	PLFY-P08NCMU	350	0	-	8.0	6.6	9.0	0.29	15	208/1/60	①②③④
IHP-1.6	DAIKIN	PLFY-P18NEMU	635	0	-	18.0	13.5	20.0	0.43	15	208/1/60	①②③④
IHP-1.7	DAIKIN	PLFY-P24NEMU	810	0	-	24.1	16.9	27.0	0.54	15	208/1/60	①②③④
IHP-1.8	DAIKIN	PLFY-P18NEMU	635	0	-	18.0	13.5	20.0	0.42	15	208/1/60	①②③④
IHP-1.9	DAIKIN	PLFY-P24NEMU	810	0	-	24.1	16.9	27.0	0.54	15	208/1/60	①②③④
IHP-1.10	DAIKIN	PLFY-P08NCMU	350	0	-	8.0	6.6	9.0	0.29	15	208/1/60	①②③④
IHP-1.11	DAIKIN	PLFY-P08NCMU	350	0	-	8.0	6.6	9.0	0.29	15	208/1/60	①②③④
IHP-1.12	DAIKIN	PLFY-P08NCMU	350	0	-	8.0	6.6	9.0	0.29	15	208/1/60	①②③④

- ① PROVIDE WIRED CONTROLLER
- ② SEE 1/M-201 FOR VRF SCHEMATIC DETAIL
- ③ ROUTE CONDENSATE DRAIN PIPING TO MOP SINK IN JANITOR CLOSET
- ④ MIN. MERV 6 FILTER

VRF BC CONTROLLER SCHEDULE							
MARK	BASIS OF DESIGN		ASSOCIATED VRF OUTDOOR UNIT	ELECTRICAL			NOTES
	MANUFACTURER	MODEL NO.		MCA	MOCP	V/Ø/Hz	
BC-1	DAIKIN	CMB-P1016NU-HA	OHP-1	1.65	15	208/1/60	

AIR DISTRIBUTION DEVICE SCHEDULE												
MARK	SIZE (INCHES)		MOUNTING			THROW	MATERIAL		DEVICE CONN.			NOTES
	FACE	NECK	SIDEWALL	CEILING	DUCT		STEEL	ALUM.	1	2	3	
SD-1	24/24	8"Ø		X		4	X		X			TITUS TMS ①②
SD-2	24/24	8"Ø		X		4	X		X			TITUS TMS ①②
SD-3	24/24	10"Ø		X		4	X		X			TITUS TMS ①②
SD-4	24/24	10"Ø		X		4	X		X			TITUS TMS ①②③
RG-1	24/24	22/22		X		-	X			X		TITUS PAR ②④
RG-2	24/24	12/12		X		-	X			X		TITUS PAR ①②

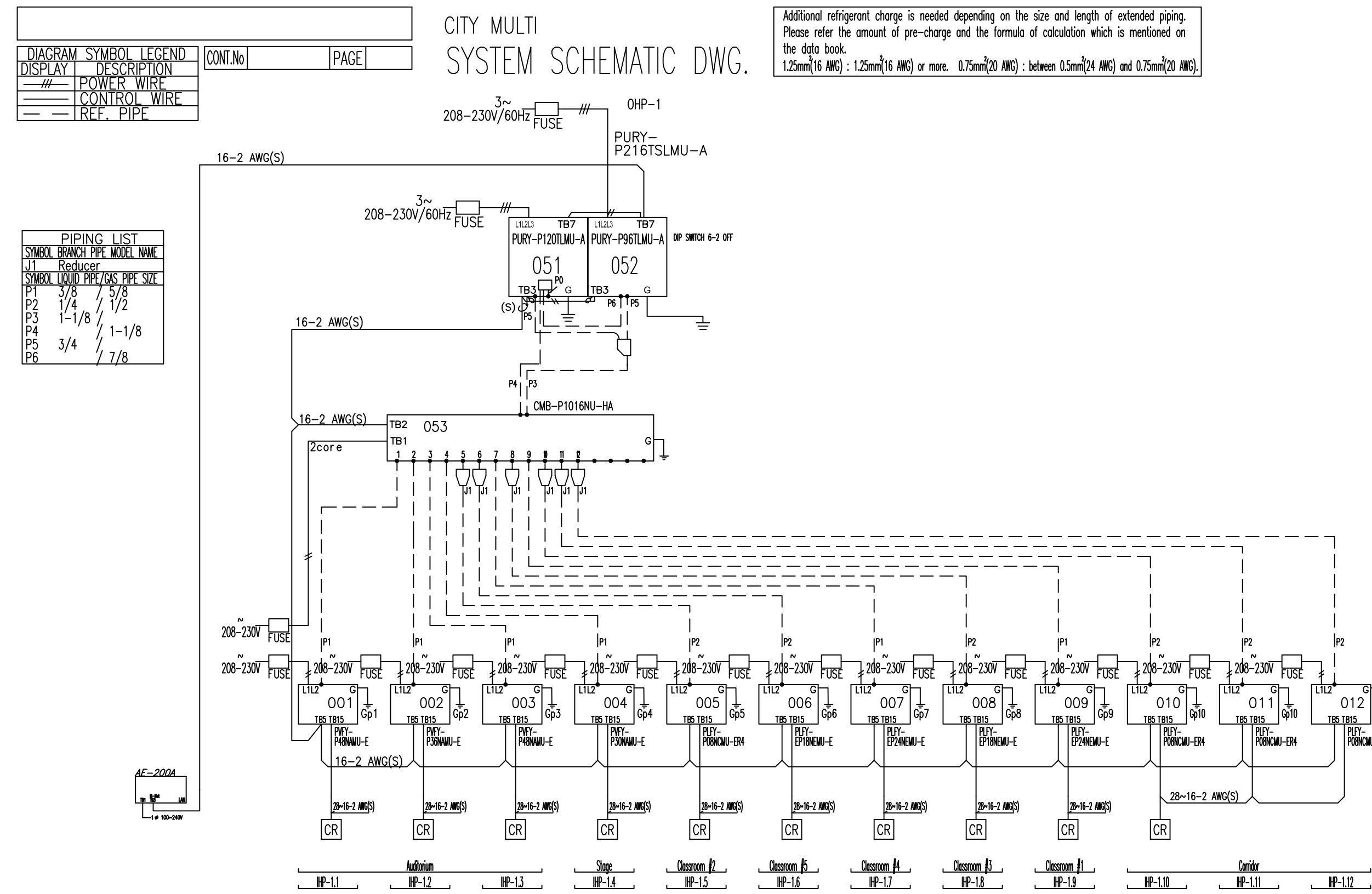
- LEGEND**
 1. SYMBOL KEY - FIRST LETTER: S-SUPPLY, R-RETURN, E-EXHAUST, T-TRANSFER AND D-DOOR. SECOND LETTER: D-DIFFUSER, R-REGISTER AND G-GRILLE.
 2. CONNECTIONS - 1. ROUND DUCT TO ROUND NECK. (DEVICE CONN. COLUMN) 2. ROUND DUCT TO RECTANGULAR NECK. (DEVICE CONN. COLUMN) 3. RECTANGULAR DUCT TO RECTANGULAR NECK. (DEVICE CONN. COLUMN)
 3. FIELD PAINT ALL SUPPLIES AND RETURNS TO MATCH CEILING AND/OR WHITE FINISH OTHERWISE.
 4. 1, 2, 3 AND 4-WAY AND DOUBLE DEFLECTION (DD) AIR DEVICES ARE INDICATED IN "THROW" COLUMN.
- ① DUCT RUNOUT SIZE SAME AS NECK CONNECTION SIZE, U.N.O.
 - ② PROVIDE WITH R-6 FOIL-BACKED INSULATION
 - ③ INTEGRAL FACE ADJUSTABLE VOLUME DAMPER
 - ④ SEE DETAIL 11/M-202

DOAS CONDENSING UNIT SCHEDULE								
MARK	BASIS OF DESIGN		COOLING MBH		ELECTRICAL			NOTES
	MANUFACTURER	MODEL NO.	TOTAL	SENSIBLE	MCA	MOCP	V/Ø/Hz	
OCU-1	UNITED COOL AIR	PBC10G3ASTA	65.8	36.0	6.3	15	208/3/60	①
OCU-2	UNITED COOL AIR	PBC15G3ATA	109.5	60.3	6.3	15	208/3/60	①

- ① DISCONNECT SWITCH

DOAS AIR HANDLING UNIT SCHEDULE										
MARK	BASIS OF DESIGN		NOM. CFM	E.S.P. "W.C.	ELECTRIC STRIP HEAT KW @ 208V	HOT GAS REHEAT COIL MBH	ELECTRICAL (SINGLE POINT CONN.)			NOTES
	MANUFACTURER	MODEL NO.					MCA	MOCP	V/Ø/Hz	
DOAS-1	UNITED COOL AIR	OSAHS3ASDTA15-F	850	0.5	15	18.4	50.9	55	208/3/60	①②③④
DOAS-2	UNITED COOL AIR	OSAHS3ADFTA25-T	1400	0.5	25	30.2	85.0	90	208/3/60	①②③④

- ① FIELD ROUTE CONDENSATE DRAIN PIPING TO MOP SINK IN JANITOR CLOSET
- ② FIELD ROUTE REFRIGERANT PIPING TO CORRESPONDING OHP U.N.O.
- ③ MIN. MERV 6 FILTER
- ④ MODULATING HOT GAS REHEAT



1 VRF SCHEMATIC DETAIL
NO SCALE

EXHAUST FAN SCHEDULE										
MARK	BASIS OF DESIGN		TYPE	ESP (IN WC)	NOM. CFM	FRPM	WATTS	SONES	ELECTRICAL V/Ø/Hz	NOTES
	MANUFACTURER	MODEL NO.								
EF-1	GREENHECK	SP-L80	CEILING	0.25	70	850	27	2.7	115/1/60	①②
EF-2	GREENHECK	SP-L80	CEILING	0.25	70	850	27	2.7	115/1/60	①②
EF-3	GREENHECK	SP-L50	CEILING	0.25	40	800	18	2.7	115/1/60	①②

- ① INTERLOCK WITH LIGHTS
- ② BACKDRAFT DAMPER

LOUVER SCHEDULE							
MARK	BASIS OF DESIGN (GREENHECK P/N)	TYPE	CFM	LOUVER SIZE	MIN. FREE AREA (FT²)	BOT. OF LOUVER ELEV. (FT. A.F.F.)	NOTES
IL-1	ESD-635X	INTAKE	850	40"x24"	3.19	18'	①②③④⑤
IL-2	ESD-635X	INTAKE	1400	40"x24"	3.19	18'	①②③④⑤

- ① BIRDSCREEN
- ② WELDED CONSTRUCTION
- ③ FLANGED FRAME
- ④ MANUAL BACKDRAFT DAMPER
- ⑤ PREFINISH WITH BAKED ON "KYMAR" FINISH

ELECTRIC WALL HEATER SCHEDULE						
MARK	BASIS OF DESIGN (QMARK P/N)	BTU/HR	WATTS	AMPS	ELECTRICAL V/Ø/Hz	NOTES
WH-1	CWH1101DSF	3,413	1,000	8.4	115/1/60	①②③

- ① RECESSED MOUNTING FRAME
- ② CONTROLLED BY INTEGRAL TAMPER-RESISTANT THERMOSTAT
- ③ DISCONNECT SWITCH

DOAS SEQUENCE OF OPERATIONS

IMPLEMENT THE FOLLOWING CONTROL STRATEGIES VIA CONTROLLERS FOR DOAS-1 AND DOAS-2.

OCCUPIED MODE -

THE SUPPLY FAN SHALL RUN CONTINUOUSLY. THE COOLING COIL, CONDENSER, HOT GAS REHEAT COIL, AND ELECTRIC HEATER WILL CYCLE ON/OFF AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AND RELATIVE HUMIDITY SETPOINTS.

RECOMMENDED SPACE SETPOINTS (ADJUSTABLE) ARE AS FOLLOWS:

- COOLING MODE = 75°F
- HEATING MODE = 70°F
- MAX. RELATIVE HUMIDITY = 50%

UNOCCUPIED MODE -

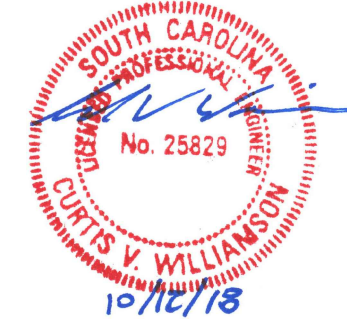
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NEWBERRY COUNTY
 PO BOX 156 NEWBERRY, SC 29108

TOWN OF POMARIA
RECREATION CENTER
RENOVATIONS

PROJECT LOCATION:
 138 FOLK STREET, POMARIA, SC 29126



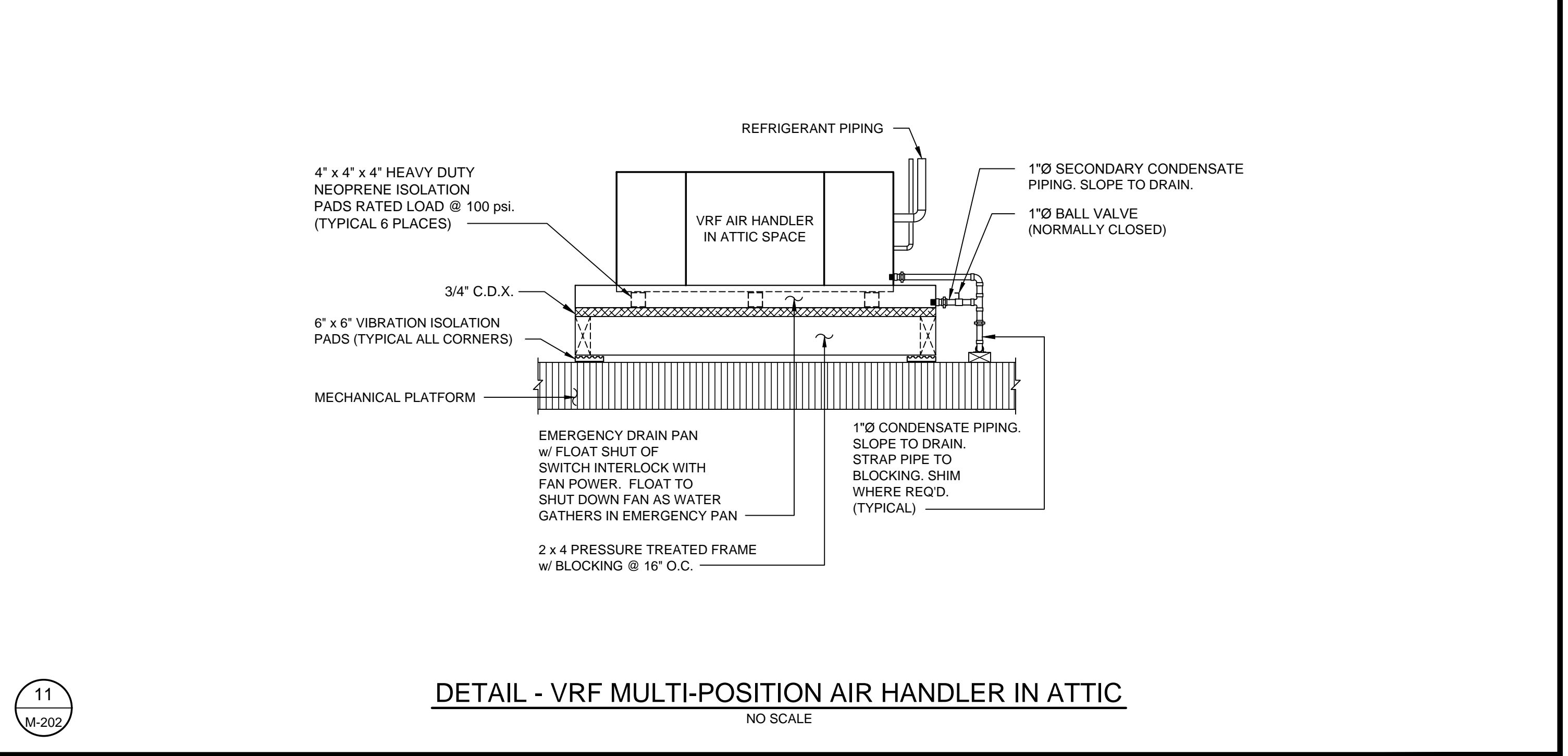
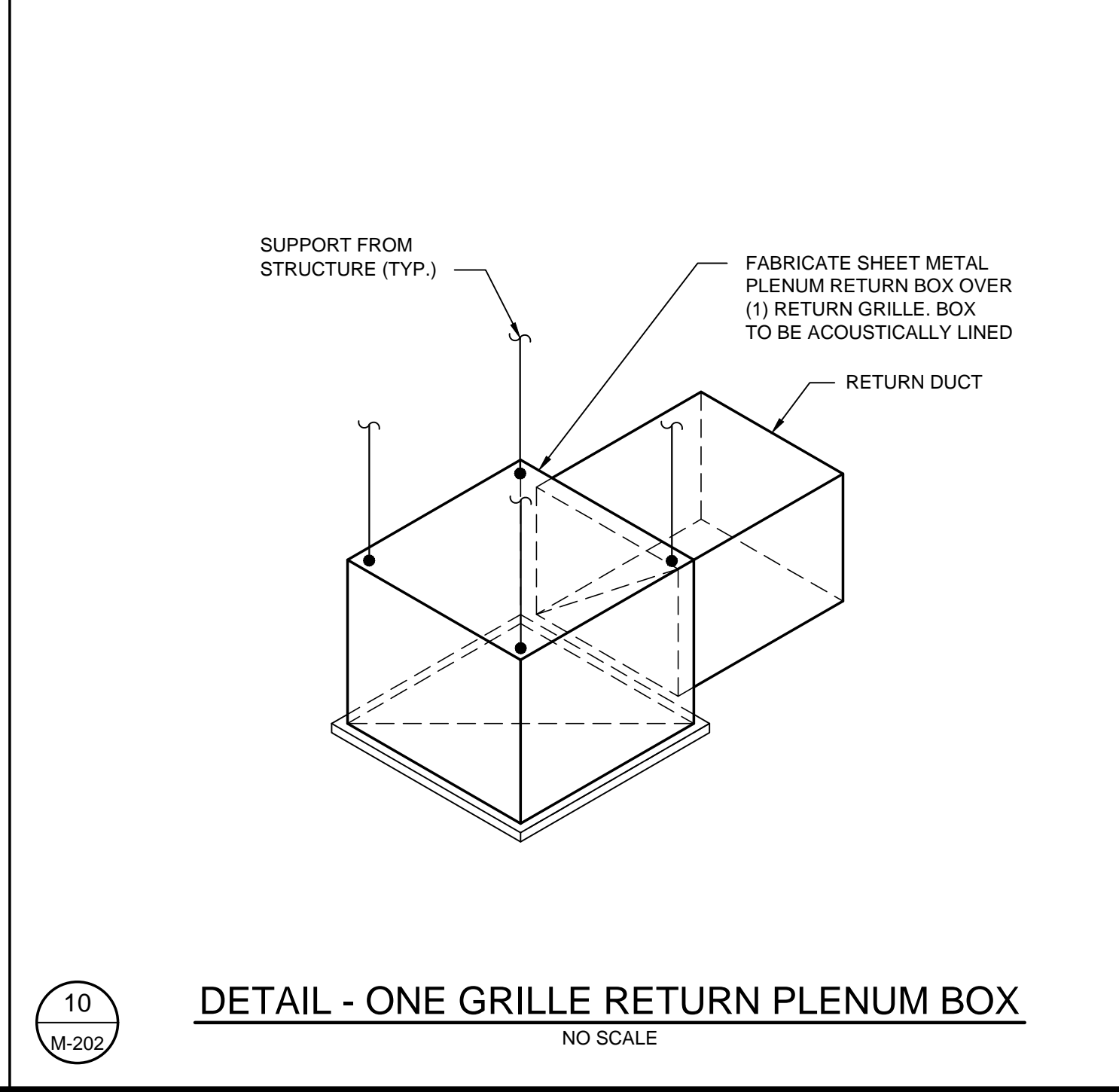
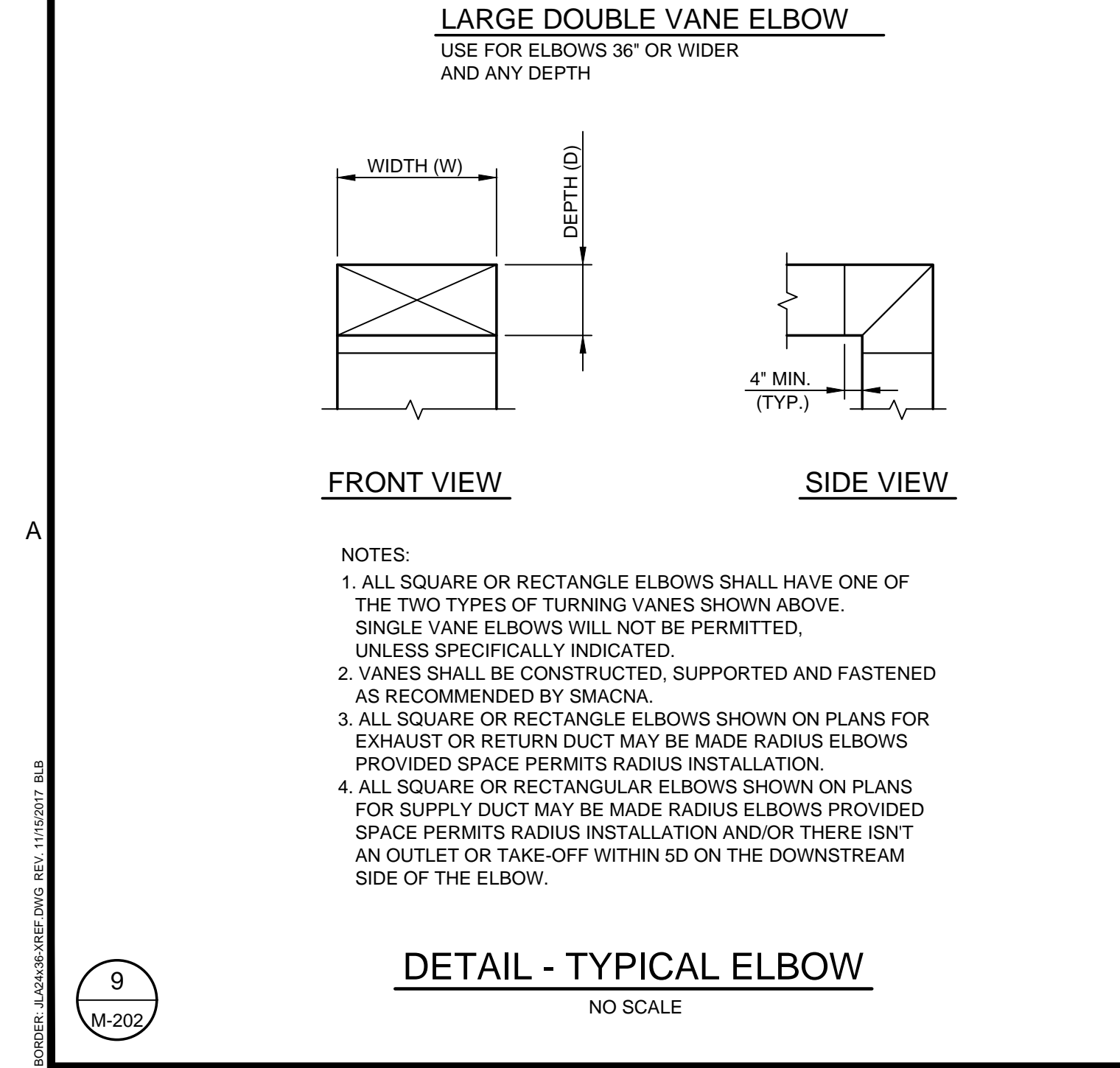
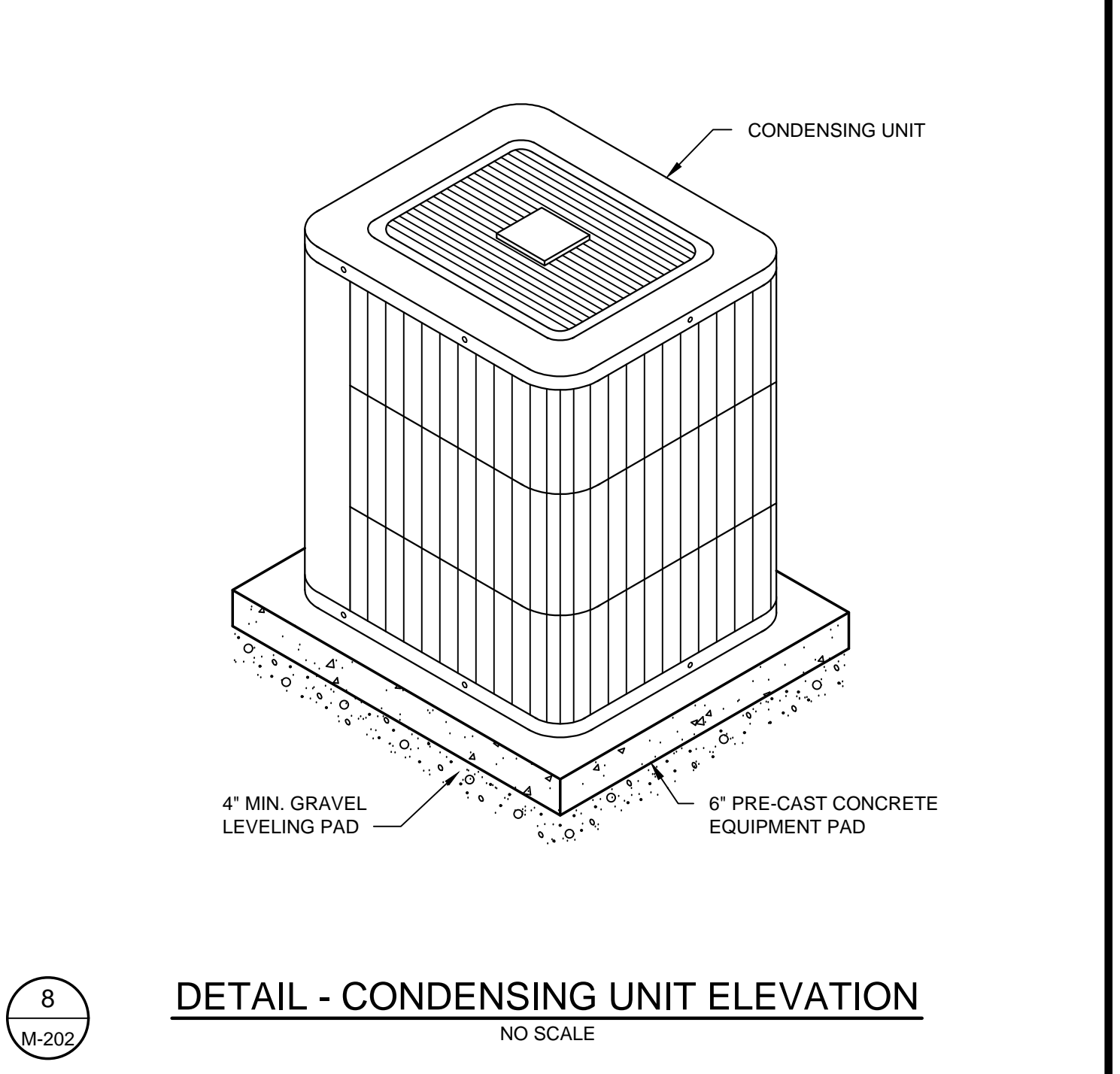
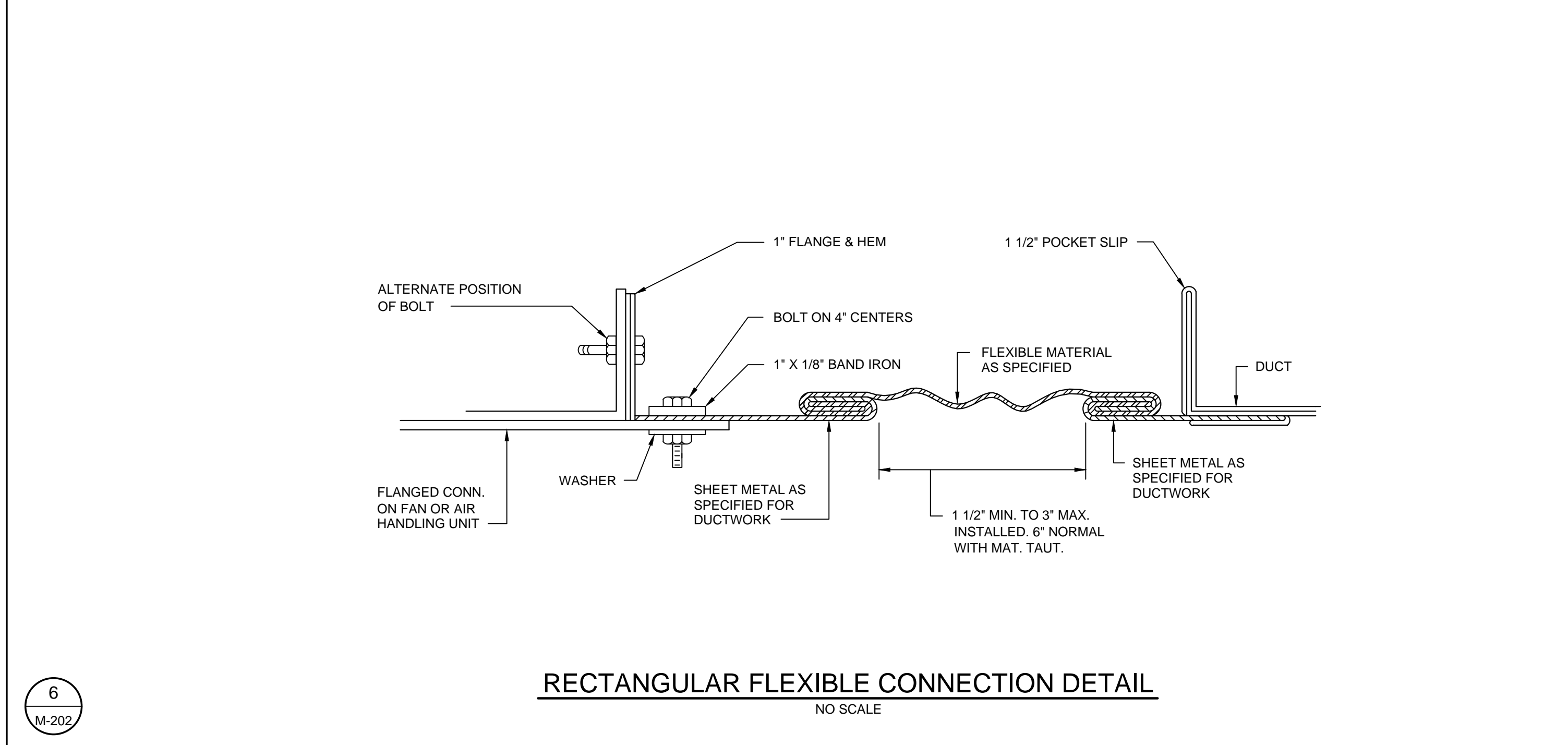
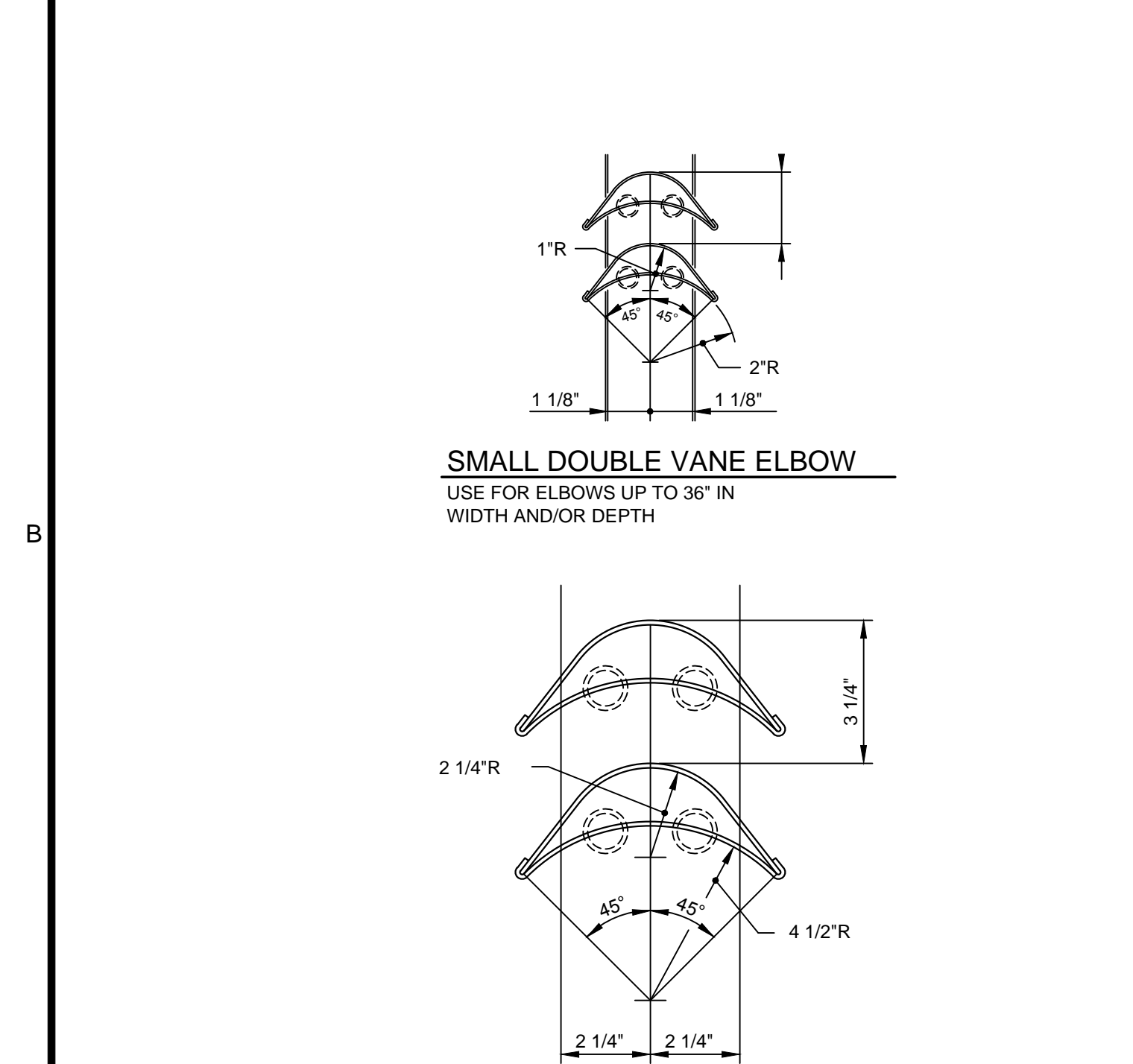
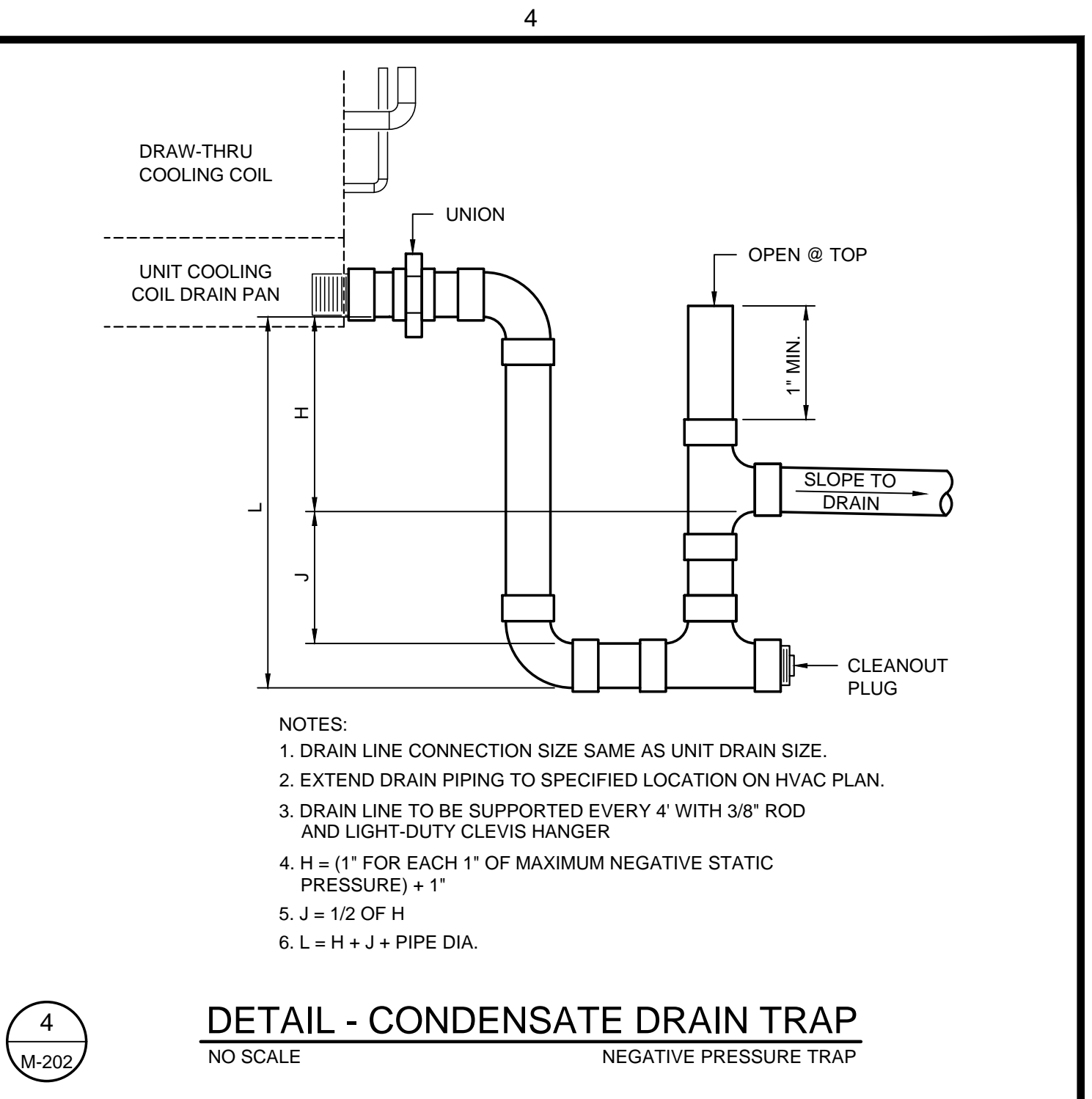
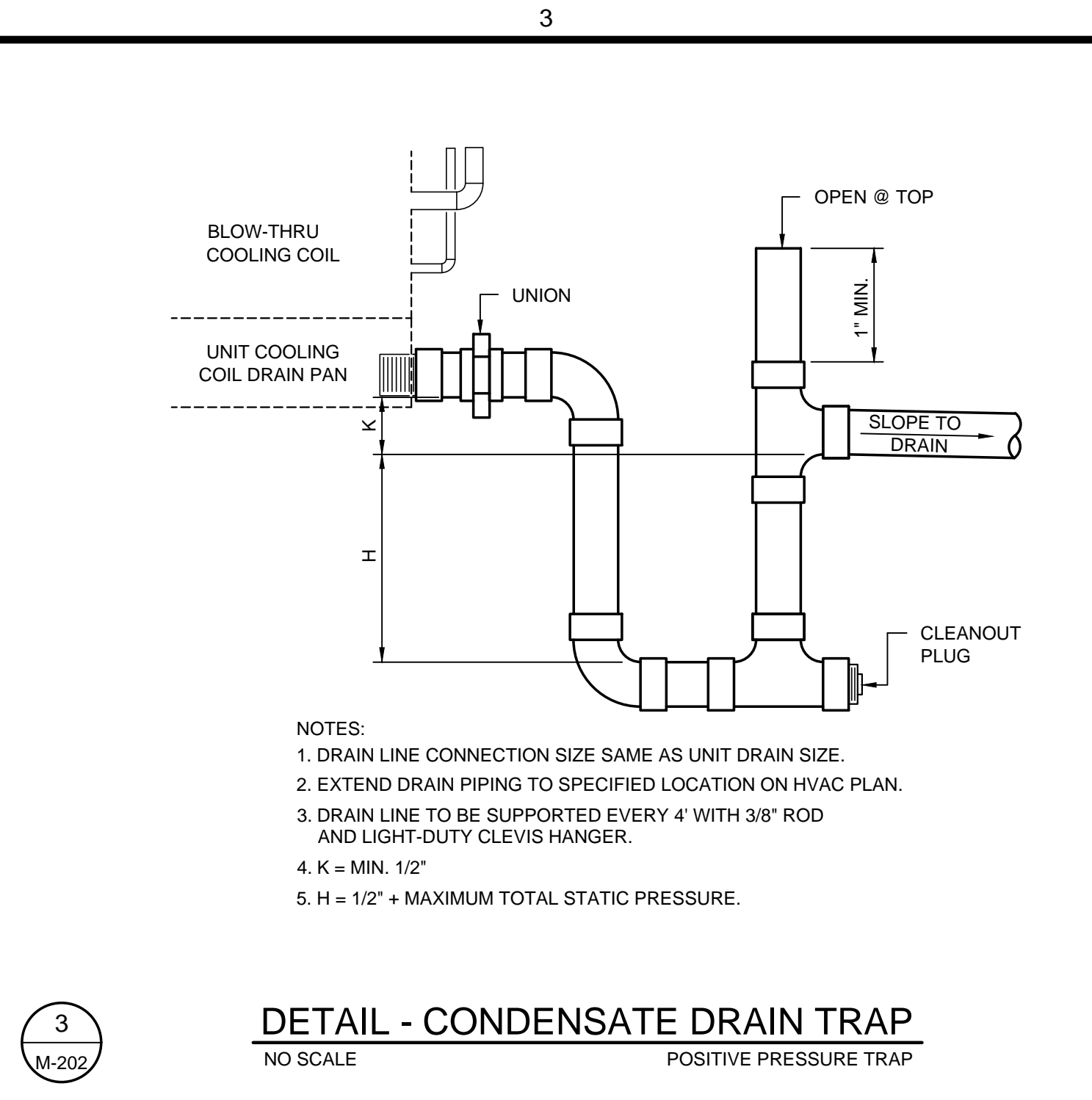
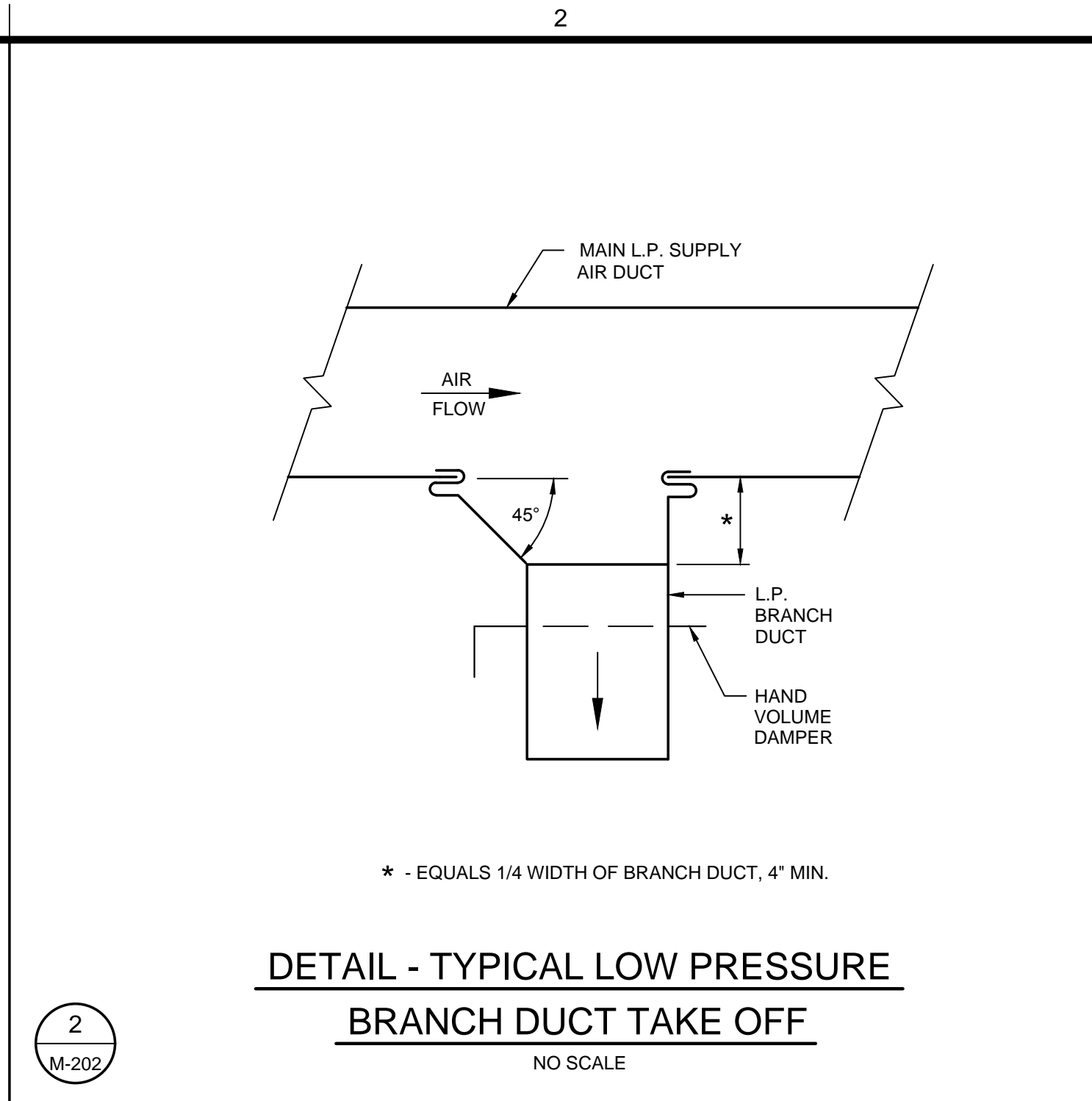
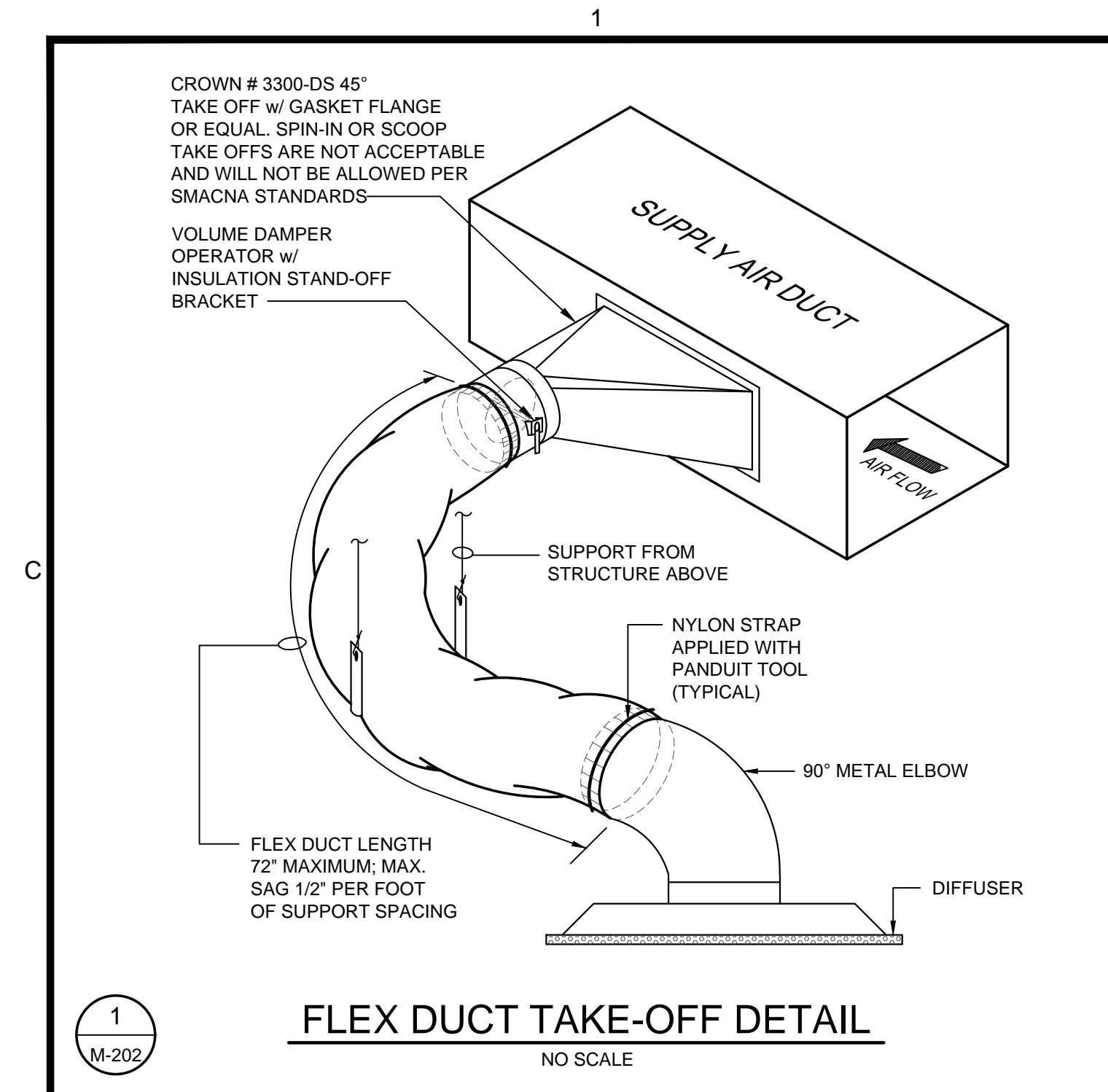
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HVAC SCHEDULES

SCALE: AS NOTED

DRAWING NO. **M-201** REV. **0**



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CLIENT: NEWBERRY COUNTY
PROJECT NAME: TOWN OF POMARIA RECREATION CENTER RENOVATIONS
PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126

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0	10/12/18	CVW		

PROJECT NO. 3606.1705
DRAWN BY: MNB
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DATE: 02/14/2017

SHEET TITLE:
HVAC DETAILS

SCALE: AS NOTED
DRAWING NO. **M-202** REV. 0

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ELECTRICAL GENERAL NOTES:

GENERAL
THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PRODUCT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

WORK COVERED BY THIS DOCUMENT SHALL INCLUDE ALL LABOR, MATERIAL, PRODUCTS, AND SERVICES FOR, AND INCIDENTAL TO, INSTALLATION OF COMPLETE AND OPERATING ELECTRICAL SYSTEMS DRAWN OR SPECIFIED.

ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, THE NATIONAL ELECTRICAL CODE (NFPA 70-2014). ALL MATERIALS SHALL BE NEW AND UL LISTED/LABELED AS APPROPRIATE. FINAL LOCATIONS FOR ROUGH-INS SHALL BE VERIFIED WITH ACTUAL EQUIPMENT BEING CONNECTED. SUPPORT AND ATTACH ELECTRICAL EQUIPMENT IN ACCORDANCE WITH SEISMIC CONDITIONS AS DETERMINED BY THE STRUCTURAL ENGINEER/BUILDING DESIGNER AND THE INTERNATIONAL BUILDING CODE 2015. AFTER COMPLETING INSTALLATION, REMOVE BURRS, DIRT, AND CONSTRUCTION DEBRIS FROM ALL ELECTRICAL WORK.

COORDINATE OUTLET LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS.

COORDINATE HVAC AND PLUMBING EQUIPMENT LOCATIONS WITH MECHANICAL PLANS, ELEVATIONS AND DETAILS.

COORDINATE SITE LIGHTING AND SITE UTILITIES WITH LANDSCAPING/CIVIL PLANS AND DETAILS.

ALL SIGNAL RACEWAYS SHALL BE 3/4" DIA. MIN. UNLESS OTHERWISE NOTED.

COORDINATE ELECTRICAL SERVICE AND METERING REQUIREMENTS WITH SERVING UTILITY PRIOR TO BID AND INSTALLATION.

COORDINATE SIGNAL SERVICE REQUIREMENTS WITH SERVING UTILITY.

ELECTRICAL INSTALLATION SHALL BE SEISMIC BRACED PER APPLICABLE SECTIONS OF THE STANDARD BUILDING CODE.

CONSULT MANUFACTURERS' SHOP DRAWINGS FOR REQUIREMENTS AND EXACT LOCATION OF ELECTRICAL CONNECTIONS FOR EQUIPMENT FURNISHED BY OTHERS. BRANCH-CIRCUIT WIRING SHALL MEET ALL REQUIREMENTS OF THE EQUIPMENT MANUFACTURER.

SIZE DISCONNECT SWITCHES AND OVERCURRENT PROTECTION IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS' RECOMMENDATIONS AND THE N.E.C.

SIZE FUSES IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS' RECOMMENDATIONS AND THE N.E.C.

INSTALL JUNCTION BOXES, CONDUIT BODIES, AND HANDHOLE ENCLOSURES SUCH THAT WIRING WITHIN IS ACCESSIBLE IN ACCORDANCE WITH NEC 314.29.

MOUNTING HEIGHT DIMENSIONS FOR WIRING DEVICES ARE FROM THE FINISHED FLOOR UP TO THE CENTER OF THE OUTLET BOX.

CENTER OUTLETS HORIZONTALLY IN ARCHITECTURAL FEATURES.

DO NOT SCALE DRAWINGS. DEVICE LOCATIONS ARE APPROXIMATE UNLESS DIMENSIONED. ACTUAL DEVICE LOCATIONS SHALL BE FIELD COORDINATED WITH ALL OTHER TRADES AND APPLICABLE CODES.

INSTALL PHOTO CELL(S) ABOVE ROOF. ORIENT TO NORTHERN EXPOSURE AND SHIELD FROM EXTRANEOUS LIGHT. PROVIDE FLASHING AND SEAL ROOF PENETRATION(S).

INSTALL ADDITIONAL BRANCH-CIRCUIT CONDUCTORS TO PROVIDE UN-SWITCHED CONNECTION TO EACH EMERGENCY FIXTURE BATTERY.

DO NOT USE COMMON NEUTRALS FOR MULTI-WIRE CIRCUITS. INSTALL A NEUTRAL FOR EACH PHASE.

ALL CONDUCTORS SHALL BE NO SMALLER THAN #12.

GENERAL CONTRACTOR TO PROVIDE ACCESS PANELS FOR ALL INACCESSIBLE, ABOVE-CEILING ELECTRICAL EQUIPMENT AND JUNCTION BOXES PER 2014 NEC SECTION 314.29. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

CONDUCTORS
INSULATION SHALL COMPLY WITH NEMA WC 5. CONDUCTORS #8 AWG AND LARGER SHALL BE CONCENTRIC STRANDED. CONDUCTORS #10 AND SMALLER SHALL BE SOLID.

TYPE AND INSULATION (SERVICE): COPPER, TYPE THWN
TYPE AND INSULATION (FEEDER): COPPER, TYPE THHN/THWN
TYPE AND INSULATION (BRANCH): COPPER, TYPE THHN/THWN
COPPER, TYPE MC

COLOR CODING (208/120 V, 3Ø): A-BLACK, B-RED, C-BLUE, N-WHITE, G-GREEN

RACEWAYS
CONDUIT BODIES AND FITTINGS FOR RIGID METAL CONDUIT SHALL BE CAST THREADED TYPE. CONDUIT FITTINGS FOR ELECTRICAL METALLIC TUBING SHALL BE COMPRESSION TYPE. INSTALL 200 lb NYLON PULL CORD IN ALL EMPTY RACEWAYS FOR FUTURE USE. APPLY FIRESTOPPING TO ELECTRICAL PENETRATIONS OF FIRE-RATED FLOOR AND WALL ASSEMBLIES TO RESTORE ORIGINAL FIRE-RESISTANCE RATING OF ASSEMBLY.

OUTDOORS EXPOSED: RIGID GALVANIZED STEEL CONFORMING TO ANSI C80.5
OUTDOORS UNDERGROUND: RIGID NONMETALLIC CONDUIT (SCHEDULE 40 PVC) CONFORMING TO NEMA TC 2
OUTDOORS CONNECTED TO VIBRATING OR MOTORIZED EQUIPMENT: LIQUIDTIGHT FLEXIBLE METAL CONDUIT CONFORMING TO UL 360
INDOORS CONCEALED: ELECTRICAL METALLIC TUBING CONFORMING TO ANSI C80.3
INDOORS EXPOSED: ELECTRICAL METALLIC TUBING CONFORMING TO ANSI C90.3
INDOORS CONNECTED TO VIBRATING OR MOTORIZED EQUIPMENT: FLEXIBLE METALLIC CONDUIT CONFORMING TO UL 1

OUTLET BOXES
BOXES SHALL COMPLY WITH NEMA OS 1 AND SHALL BE SHEET METAL TYPE WITH PLASTER RING IN DRY LOCATIONS. BOXES SHALL COMPLY WITH NEMA FB 1 AND SHALL BE CAST METAL TYPE FD WITH GASKETED COVER IN DAMP OR WET LOCATIONS.

PULL AND JUNCTION BOXES
BOXES SHALL BE HOT-DIPPED GALVANIZED STEEL. BOX COVERS SHALL BE GASKETED TYPE WITH SCREWED OR BOLTED FASTENERS.

WIRING DEVICES
DEVICES SHALL COMPLY WITH NEMA WD 1 AND WD 6. DEVICES SHALL BE COMMERCIAL SPECIFICATION GRADE OR BETTER. ALL DEVICES SHALL BE OF THE GROUNDING TYPE. DEVICES SHALL BE MOUNTED FLUSH WITH THE LONG DIMENSION VERTICAL AND GROUNDING TERMINAL OF RECEPTACLES ON TOP. SWITCHES SHALL BE QUIET TYPE, RATED 20 AMPERES AT 120/277 VOLTS. GROUND FAULT CIRCUIT INTERRUPTERS SHALL BE FEED-THROUGH TYPE. WEATHERPROOF COVERS SHALL BE PROVIDED IN DAMP OR WET LOCATIONS. PROGRAM OCCUPANCY SENSORS FOR FIFTEEN MINUTES WITH MEDIUM SENSITIVITY. TRAIN OWNER TO ADJUST TIME AND SENSITIVITY.

DEVICE COLOR: SELECTED BY ARCHITECT.
DEVICE COVER: SMOOTH PLASTIC WITH COLOR TO MATCH DEVICE COLOR

ELECTRICAL IDENTIFICATION
IN ADDITION TO CODE-REQUIRED LABELING, ALL PANELBOARDS, ELECTRICAL ENCLOSURES, TRANSFORMERS, AND DISCONNECT SWITCHES SHALL BE IDENTIFIED WITH AN ENGRAVED PLASTIC LAMINATED NAMEPLATE. LETTERING SHALL BE 1/2" INCHES HIGH AND SHALL BE WHITE ON A BLACK BACKGROUND. NAMEPLATES SHALL BE ATTACHED TO EQUIPMENT WITH STAINLESS STEEL SELF-TAPPING SCREWS. CONTRACTOR TO COORDINATE WITH THE UTILITY COMPANY TO DETERMINE THE AVAILABLE FAULT CURRENT AT THE PANEL LOCATION SHOWN ON THE DRAWINGS. CONTRACTOR TO PROVIDE ELECTRICAL EQUIPMENT WITH AIC RATING OVER THE CALCULATED FAULT CURRENT. CALCULATED FAULT CURRENT SHALL BE LISTED ON EACH PIECE OF ELECTRICAL EQUIPMENT. CONTRACTOR TO PROVIDE AND AFFIX ARC FLASH WARNING LABELS ON ALL ELECTRICAL SWITCHBOARDS, PANELBOARDS, MOTOR CONTROL CENTERS, LOAD CENTERS, DISCONNECTS AND ENCLOSED CIRCUIT BREAKERS PER 2014 NEC ARTICLE 110.16.

GROUNDING
GROUNDING AND BONDING COMPONENTS SHALL COMPLY WITH UL 467. AN INSULATED EQUIPMENT-GROUNDING CONDUCTOR SHALL BE INSTALLED WITH CIRCUIT CONDUCTORS FOR ALL FEEDER AND BRANCH CIRCUITS. EXOTHERMIC-WELDED CONNECTIONS SHALL BE USED FOR ATTACHMENT TO STRUCTURAL STEEL AND UNDERGROUND CONNECTIONS. GROUNDING ELECTRODES SHALL BE 3/4" x 10' COPPERWELD TYPE.

PANELBOARDS
PANELBOARDS SHALL COMPLY WITH NEMA PB 1. SHOP DRAWINGS FOR EACH PANELBOARD SHALL BE SUBMITTED AND SHALL INCLUDE BUS CONFIGURATION AND CURRENT RATINGS, OVERCURRENT DEVICE ARRANGEMENT AND SETTINGS, AND PANELBOARD SHORT CIRCUIT RATING. PHASE AND NEUTRAL BUSES SHALL BE COPPER. AN EQUIPMENT GROUND BUS SHALL BE PROVIDED AND SHALL BE BONDED TO THE PANEL BOX. PANELBOARDS WITH A MAIN SERVICE DISCONNECT SHALL BE LISTED FOR USE AS SERVICE EQUIPMENT. PANELBOARD TRIM SHALL BE BOLT-ON TYPE. CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE. CIRCUIT BREAKERS SHALL BE LISTED FOR SWD, HID OR HACR USE AS APPROPRIATE. MULTI-POLE CIRCUIT BREAKERS SHALL HAVE A COMMON TRIP. TANDEM CIRCUIT BREAKERS SHALL NOT BE USED. FILLER PLATES SHALL BE INSTALLED IN UNUSED SPACES. A TYPED CIRCUIT DIRECTORY SHALL BE INSTALLED ON THE INSIDE OF THE PANELBOARD DOOR.

FUSES
FUSES SHALL BE NEMA FU 1 CARTRIDGE TYPE. VOLTAGE RATING SHALL BE CONSISTENT WITH CIRCUIT VOLTAGE. ARRANGE FUSES IN FUSIBLE DEVICES SO FUSE RATINGS ARE READABLE WITHOUT REMOVING FUSE. INSTALL TYPEWRITTEN LABELS ON INSIDE DOOR OF EACH FUSIBLE DEVICE TO INDICATE FUSE REPLACEMENT INFORMATION.

MOTOR FEEDER AND BRANCH CIRCUITS: UL CLASS RK5, TIME DELAY
OTHER FEEDER AND BRANCH CIRCUITS: UL CLASS RK1, NON-TIME DELAY

DISCONNECT SWITCHES
SWITCHES SHALL BE FUSED OR NONFUSED NEMA KS 1 TYPE HD. SWITCHES SHALL BE HANDLE LOCKABLE AND INTERLOCKED WITH COVER IN CLOSED POSITION. ENCLOSURES SHALL BE NEMA TYPE 1 IN INDOOR LOCATIONS AND NEMA TYPE 3R IN OUTDOOR LOCATIONS. HVAC EQUIPMENT DISCONNECTS ARE TO BE CONSIDERED ELECTRICAL EQUIPMENT AND SHALL BE INSTALLED TO MAINTAIN WORKING SPACE PER 2014 NEC ARTICLE 110.26.

INTERIOR LIGHTING
FIXTURE MOUNTING HARDWARE AND TRIM SHALL BE COORDINATED WITH THE CEILING SYSTEM. RECESSED FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURAL SYSTEM. FLUORESCENT FIXTURE BALLASTS SHALL BE CBM LABELED, CLASS P, SOUND RATING "A", ELECTRONIC, HIGH POWER FACTOR TYPE.

FIRE ALARM SYSTEM
SYSTEM COMPONENTS AND INSTALLATION SHALL CONFORM TO THE NATIONAL FIRE ALARM CODE (NFPA 72-2014). ALL EXPOSED WIRING SHALL BE INSTALLED IN METALLIC RACEWAY. ALL CONCEALED WIRING SHALL BE INSTALLED IN METALLIC RACEWAY STUBBED ABOVE ACCESSIBLE CEILING.

VOICE AND DATA SYSTEMS
PROVIDE EMPTY INFRASTRUCTURE ONLY. INSTALL BLANK FACEPLATES FOR OUTLETS. USE A CONDUIT BUSHING OR INSULATED FITTING TO TERMINATE STUB-UPS. PROVIDE PULL STRING IN EACH CONDUIT.

ELECTRICAL SYMBOLS

	CEILING-MOUNTED EXIT SIGN - SHADING INDICATES FACE(S)
	WALL-MOUNTED EXIT LIGHT FIXTURE SHADING INDICATES FACE(S); ARROW(S) INDICATE PATH OF EGRESS
	DOWNLIGHT
	DOWNLIGHT W/ EMERGENCY BATTERY PACK
	2X4' FIXTURE
	2X4' FIXTURE W/ EMERGENCY BATTERY PACK
	4' STRIP FIXTURE
	4' STRIP FIXTURE WITH EMERGENCY BATTERY BACK PACK
	WALL-MOUNTED LIGHT FIXTURE WITH EMERGENCY BATTERY PACK
	UNDER CABINET LIGHT
	GROUND MOUNTED LIGHT FIXTURE
	POLE MOUNTED LIGHT FIXTURE
	SPST TOGGLE SWITCH 48" AFF TOP OF BOX
	THREE WAY TOGGLE SWITCH 48" AFF TOP OF BOX
	FOUR WAY TOGGLE SWITCH 48" AFF TOP OF BOX
	WALL MOUNTED DIMMER SWITCH 48" AFF TOP OF BOX. LUTRON C-L DIMMER OR APPROVED EQUAL
	THREE WAY / FOUR WAY WALL MOUNTED DIMMER SWITCH 48" AFF TOP OF BOX. LUTRON MAESTRO DIMMER OR APPROVED EQUAL
	DUPLEX CONVENIENCE OUTLET 18" AFF
	DUPLEX CONVENIENCE OUTLET 6" ABOVE COUNTER/BACKSPLASH, 48" AFF MAX TO TOP OF BOX COORDINATE MOUNTING HEIGHTS WITH MILLWORK
	DUPLEX CONVENIENCE OUTLET 18" AFF GROUND FAULT INTERRUPTER TYPE
	DUPLEX CONVENIENCE OUTLET 6" ABOVE COUNTER/BACKSPLASH, 48" AFF MAX TO TOP OF BOX COORDINATE MOUNTING HEIGHTS WITH MILLWORK. GROUND FAULT INTERRUPTER TYPE
	DUPLEX CONVENIENCE OUTLET 18" AFF WEATHERPROOF GROUND FAULT INTERRUPTER TYPE
	DUPLEX RECEPTACLE - CONCEAL BEHIND OR WITHIN ENCLOSURE OF ELECTRIC WATER COOLER.
	QUADRUPLEX CONVENIENCE OUTLET 18" AFF
	TELEPHONE BOARD 48" x 96" x 3/4" PLYWOOD
	COMBINATION DATA/VOICE OUTLET 18" AFF
	FIRE ALARM CONTROL PANEL (FACP)
	FIRE ALARM ANNUNCIATOR
	FIRE ALARM MANUAL PULL STATION 48" AFF TOP OF BOX
	FIRE ALARM AUDIO/VISUAL DEVICE 80" AFF
	FIRE ALARM WALL MOUNTED VISUAL DEVICE 80" AFF
	FIRE ALARM CEILING MOUNTED VISUAL DEVICE
	FIRE ALARM CEILING MOUNTED AUDIO/VISUAL DEVICE
	FIRE ALARM CEILING MOUNTED SMOKE DETECTOR
	FIRE ALARM CEILING MOUNTED HEAT DETECTOR
	FIRE ALARM TAMPER SWITCH
	FIRE ALARM FLOW SWITCH
	ELECTRICAL PANEL
	MOTOR - SEE SCHEDULE
	SPECIAL OUTLET - SEE SCHEDULE
	CEILING-MOUNTED OCCUPANCY SENSOR - WATTSTOPPER DT-300 OR APPROVED EQUAL
	WALL-SWITCH OCCUPANCY SENSOR 48" AFF WATTSTOPPER DW-100 OR APPROVED EQUAL
	WALL MOUNTED OCCUPANCY SENSOR 48" AFF WATTSTOPPER DT-200 OR APPROVED EQUAL

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PROJECT NAME: **TOWN OF POMARIA RECREATION CENTER RENOVATIONS**

PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126

10/19/18

REV	DATE	BY	DESCRIPTION
0	10/12/18	FAK	ISSUE FOR BID/PERMIT

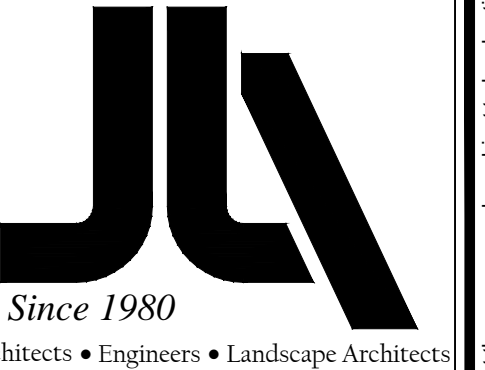
PROJECT NO.	3606.1705
DRAWN BY :	JAP/JJP
CHECKED BY :	FAK
DATE:	02/14/2017

ELECTRICAL NOTES AND SYMBOLS

SCALE:	AS NOTED
DRAWING NO.	E-001
REV.	0

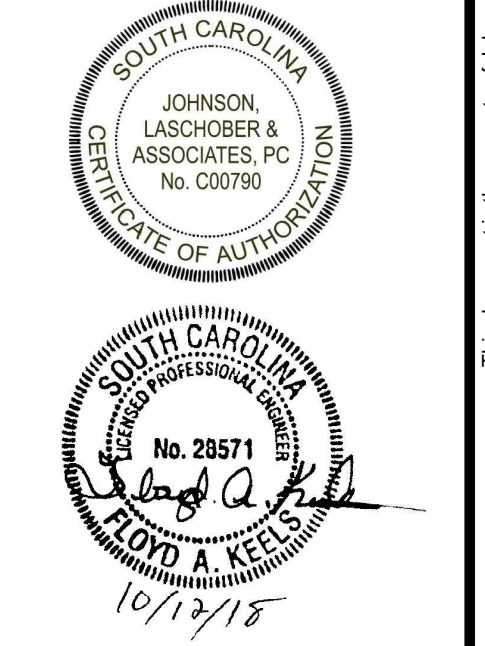
POWER AND SIGNAL PLAN KEYED NOTES:

- ① #10AWG ENTIRE CIRCUIT
- ② PROVIDE PHOTOCELL AND TIME CLOCK TO CONTROL EXTERIOR LIGHTS.
- ③ CONTINUE TO FLOOR BELOW.
- ④ PARALLEL OCCUPANCY SENSORS IN THIS SPACE.



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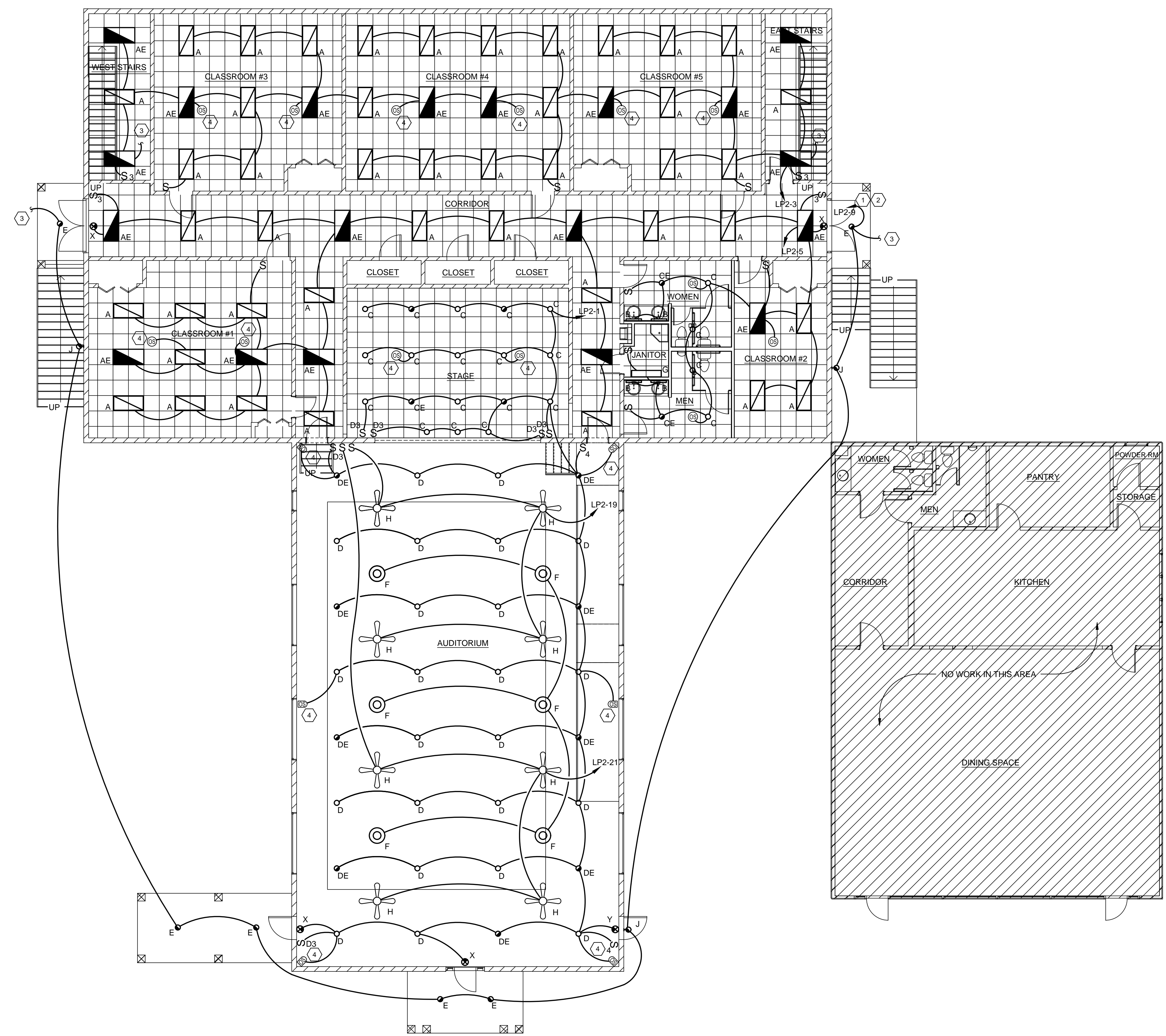
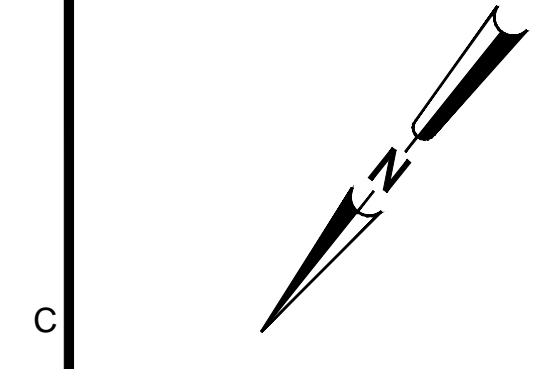


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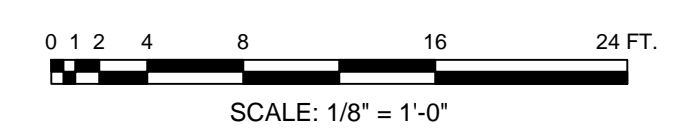
PROJECT NO. 3606.1705
 DRAWN BY: JAP/JFP
 CHECKED BY: FAK
 DATE: 02/14/2017

SHEET TITLE: LIGHTING PLAN

SCALE: 1/8" = 1'-0"
 DRAWING NO. **E-101** REV. **0**



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



SOURCE: J:\ARCH\REF\DWG_REV_11052017.dwg

K:\36061706\Elec\LIGHTING.dwg Plot: 10/12/2018 1:31 PM By: Joe Powell

1

2

3

4

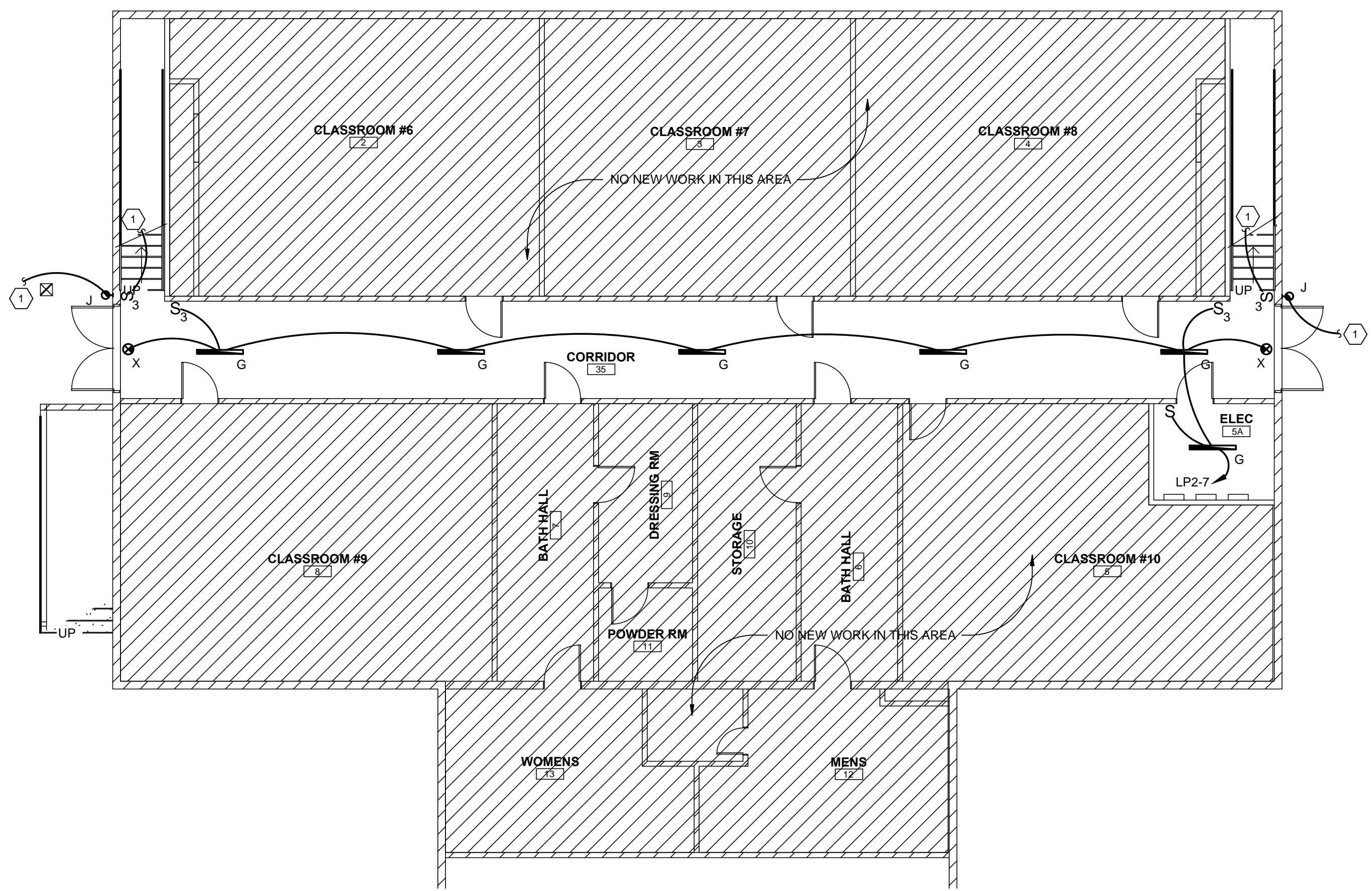
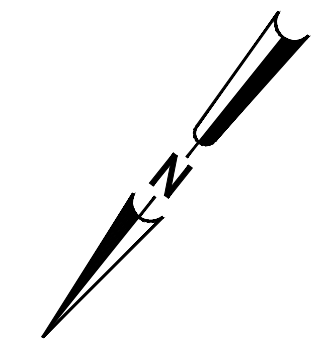
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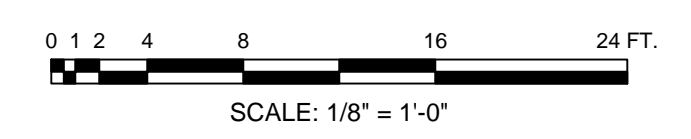
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POWER AND SIGNAL PLAN KEYED NOTES:

1 CONTINUE TO FLOOR ABOVE.

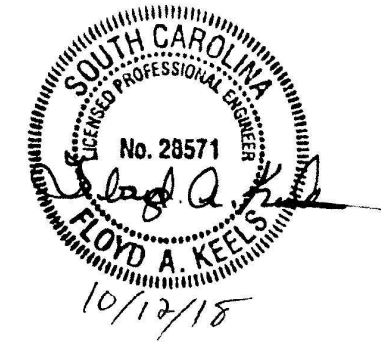
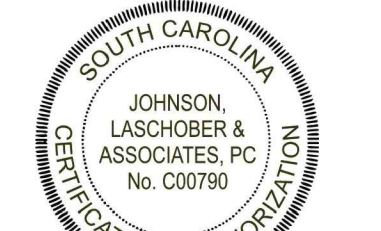


1 BASEMENT LIGHTING PLAN
E-102 SCALE: 1/8" = 1'-0"



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CLIENT: NEWBERRY COUNTY
PO BOX 156 NEWBERRY, SC 29108
PROJECT NAME: **TOWN OF POMARIA RECREATION CENTER RENOVATIONS**
PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126



REV	DATE	BY	DESCRIPTION
0	10/12/18	FAK	ISSUE FOR BID/PERMIT

PROJECT NO. 3606.1705
DRAWN BY: JAP/JFP
CHECKED BY: FAK
DATE: 02/14/2017

SHEET TITLE: **BASEMENT LIGHTING PLAN**
SCALE: 1/8" = 1'-0"
DRAWING NO. **E-102** REV. **0**

SOURCE: J:\2018\REF.DWG REV. 11/25/2017 RLB

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POWER AND SIGNAL PLAN KEYED NOTES:

- 1 INTERLOCK FAN WITH LIGHTS.
- 2 CENTER ON WALL, INSTALL 80' A.F.F.

ALTERNATE #2 NOTES:

DELETE ALL ELECTRICAL ASSOCIATED WITH VRF SYSTEM IN ITS ENTIRETY, INCLUDING BREAKERS, DISCONNECTS, WIRING AND CONDUIT.

DELETE ALL ELECTRICAL ASSOCIATED WITH DOAS SYSTEM IN ITS ENTIRETY, INCLUDING BREAKERS, DISCONNECTS, WIRING AND CONDUIT.

PROVIDE AND INSTALL ELECTRICAL COMPONENTS FOR NINE (9) EXTERIOR, WALL-MOUNT, SELF-CONTAINED HEAT PUMPS AND ONE (1) SPLIT SYSTEM HEAT PUMP, AS FOLLOWS:

- CLASSROOM #1: ONE (1) WALL-MOUNT HEAT PUMP, PROVIDE 40A/3 POLE BREAKER IN PANEL LP1 WITH 3#6, #10G, 1" C. PROVIDE LOCAL FUSIBLE DISCONNECT COORDINATED WITH MOTOR MOCP.
- CLASSROOM #2: ONE (1) WALL-MOUNT HEAT PUMP, PROVIDE 40A/2 POLE BREAKER IN PANEL LP1 WITH 2#6, #10G, 1" C. PROVIDE LOCAL FUSIBLE DISCONNECT COORDINATED WITH MOTOR MOCP.
- CLASSROOM #3: ONE (1) WALL-MOUNT HEAT PUMP, PROVIDE 40A/2 POLE BREAKER IN PANEL LP1 WITH 2#6, #10G, 1" C. PROVIDE LOCAL FUSIBLE DISCONNECT COORDINATED WITH MOTOR MOCP.
- CLASSROOM #4: ONE (1) WALL-MOUNT HEAT PUMP, PROVIDE 40A/3 POLE BREAKER IN PANEL LP1 WITH 3#6, #10G, 1" C. PROVIDE LOCAL FUSIBLE DISCONNECT COORDINATED WITH MOTOR MOCP.
- CLASSROOM #5: ONE (1) WALL-MOUNT HEAT PUMP, PROVIDE 40A/2 POLE BREAKER IN PANEL LP1 WITH 2#6, #10G, 1" C. PROVIDE LOCAL FUSIBLE DISCONNECT COORDINATED WITH MOTOR MOCP.
- AUDITORIUM: FOUR (4) WALL-MOUNT HEAT PUMPS, PROVIDE 45A/3 POLE BREAKER IN PANEL LP1 WITH 3#6, #10G, 1" C. PROVIDE LOCAL FUSIBLE DISCONNECT COORDINATED WITH MOTOR MOCP.
- CORRIDOR/RESTROOM: ONE (1) SPLIT SYSTEM HEAT PUMP, PROVIDE 25A/2 POLE BREAKER IN PANEL LP1 WITH 2#8, #10G, 3/4" C FOR INDOOR UNIT. PROVIDE 25A/2 POLE BREAKER IN PANEL LP1 WITH 2#10, #10G, 3/4" C FOR OUTDOOR UNIT. PROVIDE LOCAL FUSIBLE DISCONNECT COORDINATED WITH MOTOR MOCP.

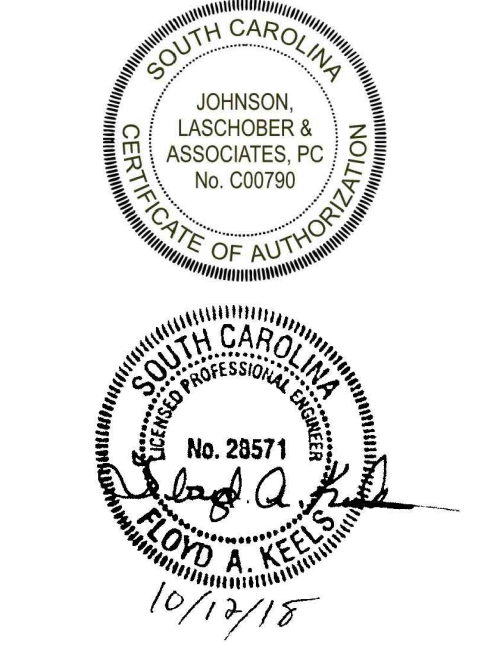
CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL EQUIPMENT LOCATIONS, EXTERIOR WALL PENETRATIONS AND EQUIPMENT SUPPORTS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID. SEE MECHANICAL DRAWINGS FOR ALTERNATE #2 MECHANICAL.



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CLIENT: NEWBERRY COUNTY
 PROJECT NAME: TOWN OF POMARIA RECREATION CENTER RENOVATIONS
 PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126

PO BOX 156 NEWBERRY, SC 29108

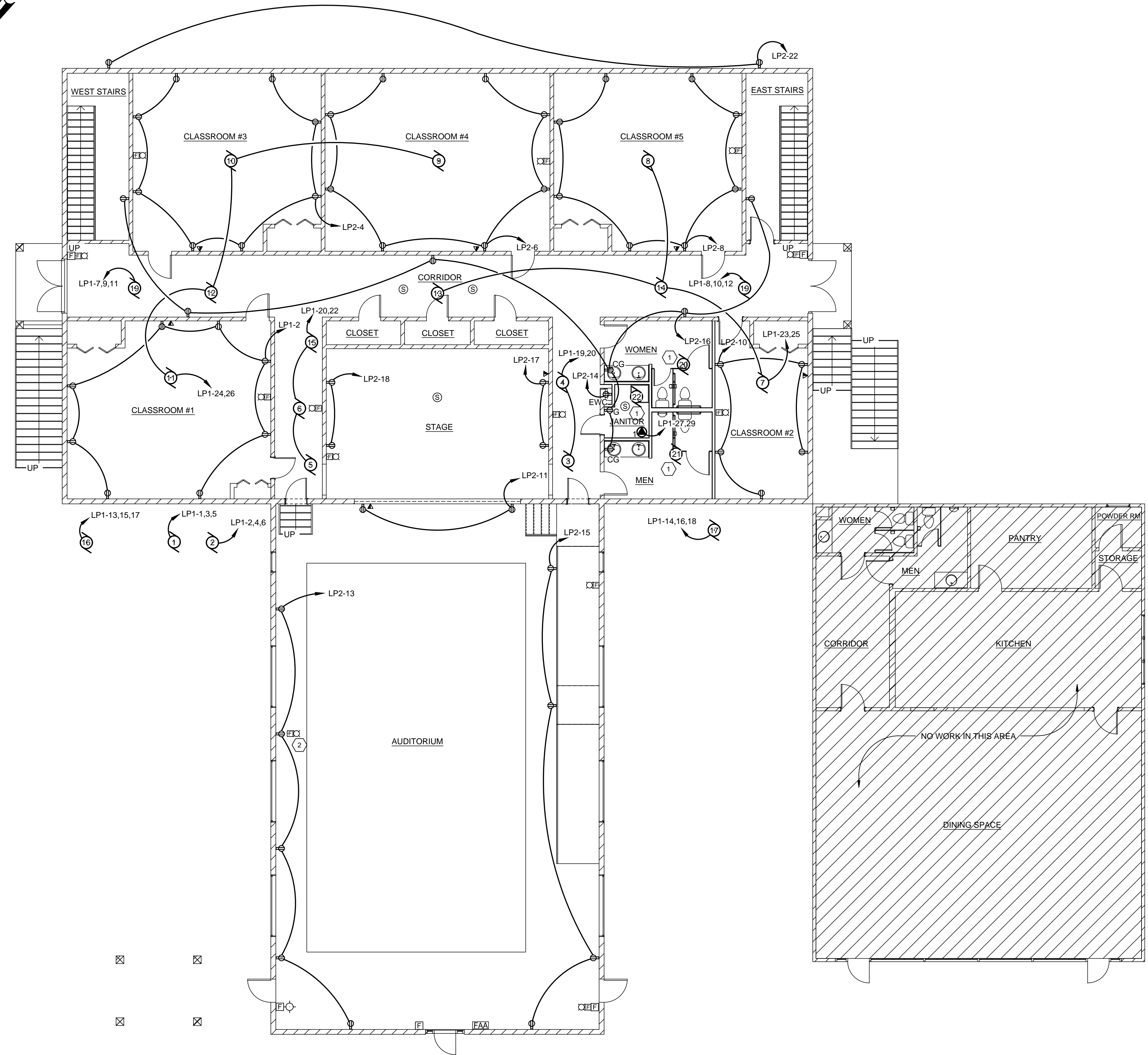
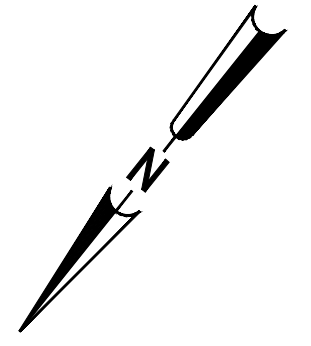


REV	DATE	BY	DESCRIPTION
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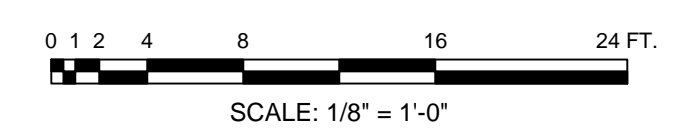
PROJECT NO. 3606.1705
 DRAWN BY: JAP/JFP
 CHECKED BY: FAK
 DATE: 02/14/2017

SHEET TITLE:
POWER AND SIGNAL PLAN

SCALE: 1/8" = 1'-0"
 DRAWING NO. **E-201** REV. 0

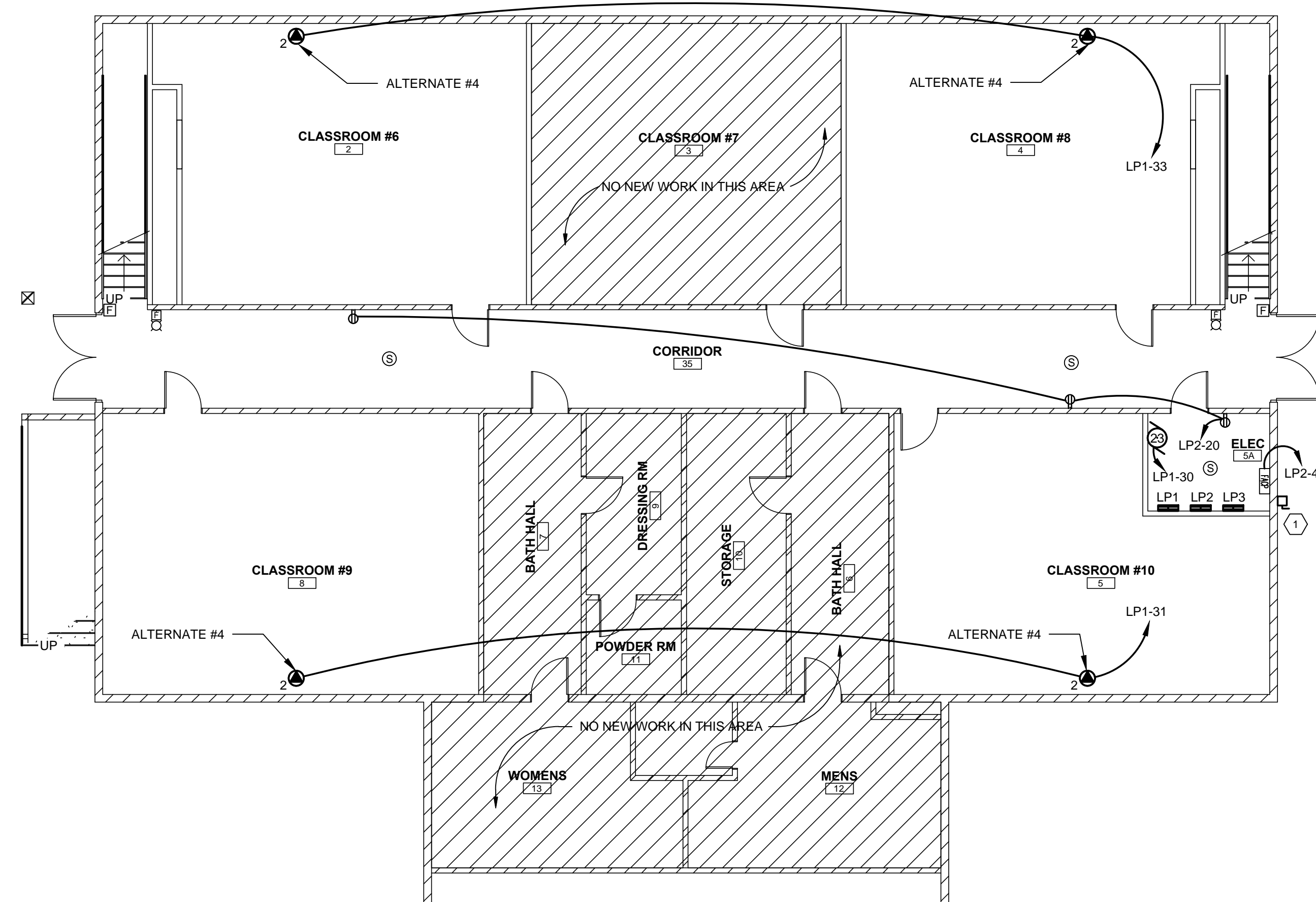
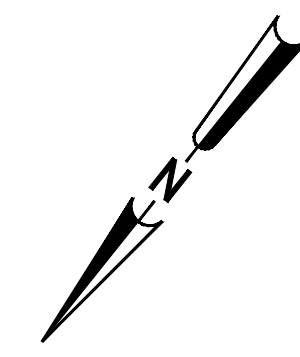


1 POWER AND SIGNAL PLAN
 E-201 SCALE: 1/8" = 1'-0"

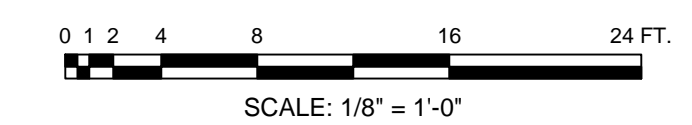


POWER AND SIGNAL PLAN KEYED NOTES:

① BUILDING DISCONNECT. SEE RISER DIAGRAM ON SHEET E-400



1 BASEMENT POWER AND SIGNAL PLAN
SCALE: 1/8" = 1'-0"



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DRAWN BY: JAP/JFP
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DATE: 02/14/2017

BASEMENT POWER AND SIGNAL PLAN

SCALE: 1/8" = 1'-0"
DRAWING NO. **E-202**

REV. **0**

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PANEL LP1									
VOLTAGE		120 /208V		LOCATION		ELECTRICAL 5A			
PHASE		3 WIRE 4		MOUNTING		SURFACE			
S.C.C.		TBD MIN.		MAIN		BREAKER			
		MAIN AMPS		800					
CKT	BREAKER	VA	SERVING	PHASE	SERVING	VA	BREAKER	CKT	
AMPS	P					AMPS	P		
1	60	3	5,044	OHP-1A	A			2	
3			5,044		B			4	
5			5,044		C			6	
7	60	3	6,113	DOAS-1	A			8	
9			6,113		B			10	
11			6,113		C			12	
13	15	3	757	OCU-1	A			14	
15			757		B			16	
17			757		C			18	
19	15	2	1,040	IHP-1.1,IHP1.2	A			20	
21			1,040		B			22	
23	15	2	200	IHP-1.5,IHP1.6	A			24	
25			200	IHP-1.11,IHP1.12	A			26	
27	30	2	2,250	EW-1	B			28	
29			2,250		C			30	
31	20	1	1,224	DEHUMIDIFIER*	A			32	
33	20	1	1,224	DEHUMIDIFIER*	B			34	
35	20	1		SPARE	C			36	
37	225	3	6,592	PANEL LP2	A			38	
39			7,040		B			40	
41			5,092		C			42	
		VA PER PHASE		37,285	39,583	35,592	TOTAL VA		112,460
		AMPS PER PHASE		311	330	297	DIVERSIFIED VA		112,460

REMARKS:
1. *ALTERNATE #4

PANEL LP2									
VOLTAGE		120 /208V		LOCATION		ELECTRICAL 5A			
PHASE		3 WIRE 4		MOUNTING		SURFACE			
S.C.C.		TBD MIN.		MAIN		M.L.O.			
		MAIN AMPS		225					
CKT	BREAKER	VA	SERVING	PHASE	SERVING	VA	BREAKER	CKT	
AMPS	P					AMPS	P		
1	20	1	1,300	LIGHTS	A			2	
3	20	1	1,520	LIGHTS	B			4	
5	20	1	1,492	LIGHTS	C			6	
7	20	1	252	LIGHTS	A			8	
9	20	1	260	LIGHTS	B			10	
11	20	1	360	RECEPTACLES	C			12	
13	20	1	900	RECEPTACLES	A			14	
15	20	1	900	RECEPTACLES	B			16	
17	20	1	360	RECEPTACLES	C			18	
19	20	1	400	FANS	A			20	
21	20	1	400	FANS	B			22	
23	20	1		SPARE	C			24	
25	20	1		SPARE	A			26	
27	20	1		SPARE	B			28	
29	20	1		SPARE	C			30	
31				SPACE	A			32	
33				SPACE	B			34	
35				SPACE	C			36	
37				SPACE	A			38	
39				SPACE	B			40	
41				SPACE	C			42	
		VA PER PHASE		6,592	7,040	5,092	TOTAL VA		18,724
		AMPS PER PHASE		55	59	42	DIVERSIFIED VA		17,424

REMARKS:
1

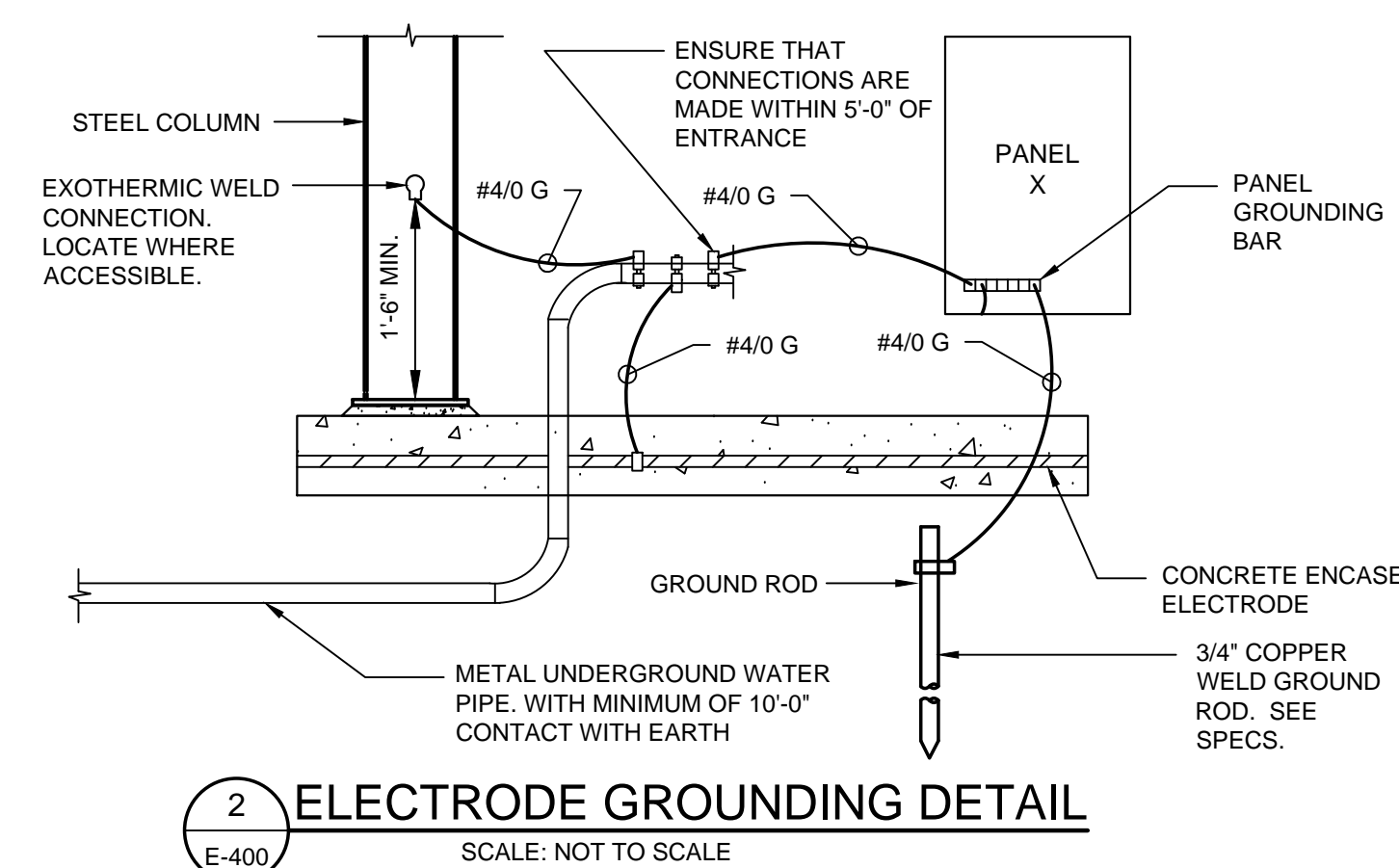
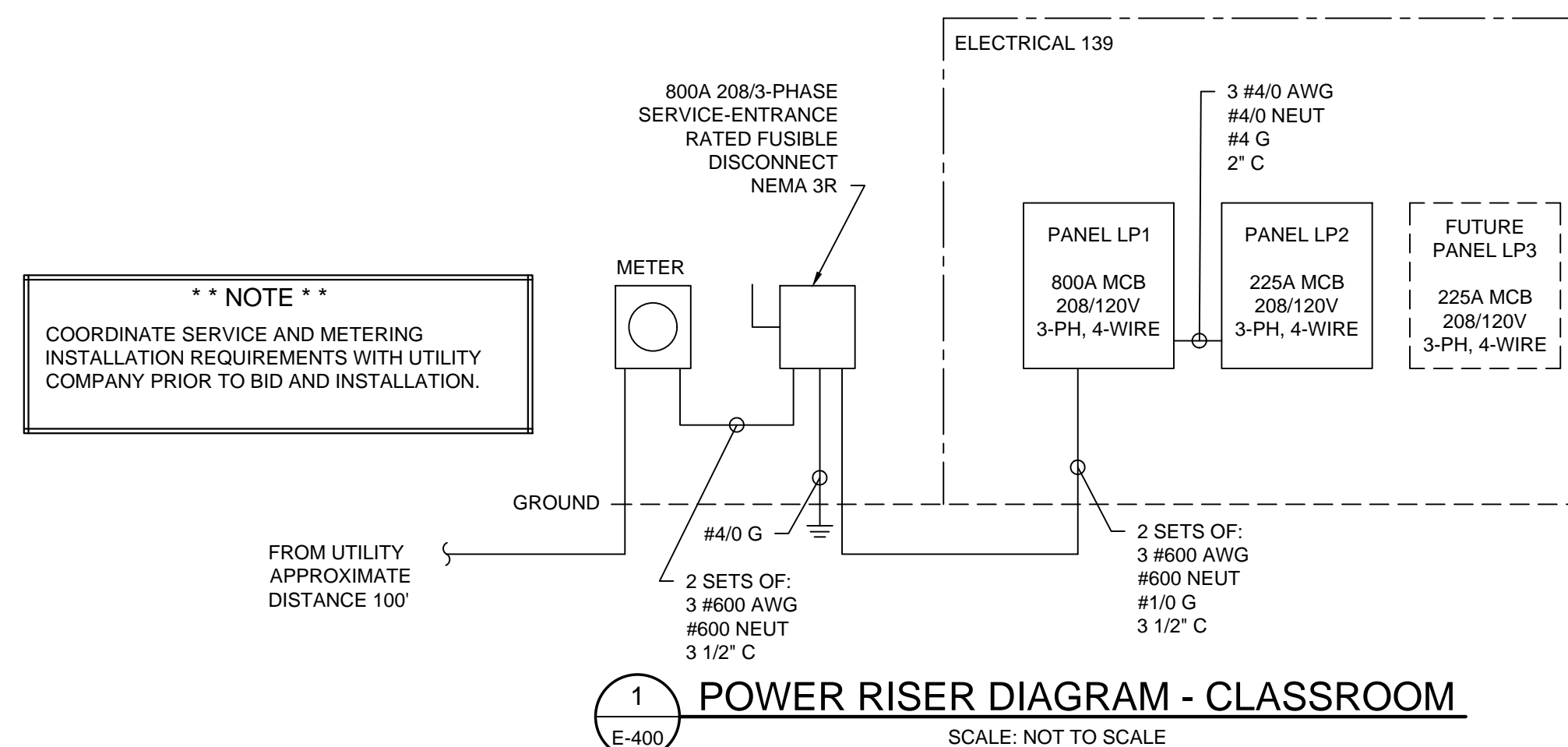
LIGHTING FIXTURE SCHEDULE							
ID	BASIS OF DESIGN		VOLT.	WATTS	LAMP TYPE	MOUNTING	REMARKS
	MANUF.	MODEL NUMBER					
A	COLUMBIA	LCAT24-40MLG-EDU	120	40	4000K LED	RECESSED	ARCHITECTURAL RECESSED LED 2'x4'
AE	COLUMBIA	LCAT24-40MLG-EDU-ELL14	120	40	4000K LED	RECESSED	ARCHITECTURAL RECESSED LED 2'x4' WITH EMERGENCY BATTERY PACK.
B	OXYGEN	3-547-20	120	26	4000K LED	WALL	VANITY LIGHT
C	ELITE	HH6-LED-2000L-WD-40K-CL-WH	120	26	4000K LED	RECESSED	ARCHITECTURAL DOWNLIGHT
CE	ELITE	HH6-LED-2000L-WD-40K-CL-WH	120	26	4000K LED	RECESSED	ARCHITECTURAL DOWNLIGHT WITH EMERGENCY BATTERY PACK.
D	ELITE	HH6-LED-2000L-WD-40K-CL-WH	120	26	4000K LED	RECESSED	ARCHITECTURAL DOWNLIGHT
DE	ELITE	HH6-LED-2000L-WD-40K-CL-WH	120	26	4000K LED	RECESSED	ARCHITECTURAL DOWNLIGHT WITH EMERGENCY BATTERY PACK.
E	ELITE	HH6 LED-6501-2000L-40K UNV 85 INTG-EM-LED-HH6-6501 SHZ	120	25	4000K LED	RECESSED	DOWNLIGHT WITH EMERGENCY BATTERY PACK. WET LOCATION.
F	G LIGHTING	GL-2021-L64-S-BY ARCH-3-034	120	87	4000K LED	PENDANT	34" PENDANT
G	COLUMBIA	LCL4 35 ML EDU ELL14	120	42	4000K LED	WALL / SURFACE	GENERAL PURPOSE 4' STRIP FIXTURE WITH EMERGENCY BATTERY
H	HUNTER	CHRONICLE OUTDOOR	120	100	N/A	CEILING	PROVIDE 36" DOWNRODS. COORDINATE DOWNROD LENGTH WITH PENDANT FIXTURES. COLOR BY ARCHITECT
J	HUBBELL	TRP-12L-20-4K-2-1-PCU-E	120	20	4000K LED	WALL	WALL PACK. COORDINATE MOUNTING HEIGHT WITH ARCHITECT WITH EMERGENCY BATTERY PACK.
X	COMPASS	CER	120	5	LED	WALL / CEILING	EXT SIGN

LIGHTING FIXTURE SCHEDULE NOTES:
1. COORDINATE ALL FINISH OPTIONS WITH ARCHITECT.

MOTOR SCHEDULE				
ID	VOLTAGE	PHASE	WIRE / COND.	DESCRIPTION
1	208	3	3#4, #8G, 1-1/4"C.	OHP-1A
2	208	3	3#6, #10G, 1"C.	OHP-1A
3	208	1	2#12, #12G, 3/4"C.	IHP-1.1
4	208	1	2#12, #12G, 3/4"C.	IHP-1.2
5	208	1	2#12, #12G, 3/4"C.	IHP-1.3
6	208	1	2#12, #12G, 3/4"C.	IHP-1.4
7	208	1	2#12, #12G, 3/4"C.	IHP-1.5
8	208	1	2#12, #12G, 3/4"C.	IHP-1.6
9	208	1	2#12, #12G, 3/4"C.	IHP-1.7
10	208	1	2#12, #12G, 3/4"C.	IHP-1.8
11	208	1	2#12, #12G, 3/4"C.	IHP-1.9
12	208	1	2#12, #12G, 3/4"C.	IHP-1.10
13	208	1	2#12, #12G, 3/4"C.	IHP-1.11
14	208	1	2#12, #12G, 3/4"C.	IHP-1.12
15	208	1	2#12, #12G, 3/4"C.	BC-1
16	208	3	3#12, #12G, 3/4"C.	OCU-1
17	208	3	3#12, #12G, 3/4"C.	OCU-2
18	208	3	3#4, #10G, 1-1/4"C.	DOAS-1
19	208	3	3#1, #6G, 1-1/2"C.	DOAS-2
20	120	1	2#12, #12G, 3/4"C.	EF-1
21	120	1	2#12, #12G, 3/4"C.	EF-2
22	120	1	2#12, #12G, 3/4"C.	EF-3
23	120	1	2#12, #12G, 3/4"C.	WH-1

MOTOR SCHEDULE NOTES:
PROVIDE LOCAL FUSIBLE DISCONNECTING MEANS FOR EACH MOTOR. COORDINATE WITH MOTOR MOCI

SPECIAL OUTLET SCHEDULE				
ID	VOLTAGE	PHASE	WIRE / COND.	DESCRIPTION
1	208	1	2#10, #10G, 3/4"C.	EW-1
2	120	1	2#12, #12G, 3/4"C.	DEHUMIDIFIER (ALTERNATE #4)



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PROJECT NAME: TOWN OF POMARIA RECREATION CENTER RENOVATIONS
PROJECT LOCATION: 138 FOLK STREET, POMARIA, SC 29126



REV	DATE	BY	DESCRIPTION
0	10/12/18	FAK	ISSUE FOR BID/PERMIT

PROJECT NO. 3606.1705
DRAWN BY: JAP/JFP
CHECKED BY: FAK
DATE: 02/14/2017
SHEET TITLE: ELECTRICAL SCHEDULES AND DETAILS
SCALE: AS NOTED
DRAWING NO. E-400
REV. 0