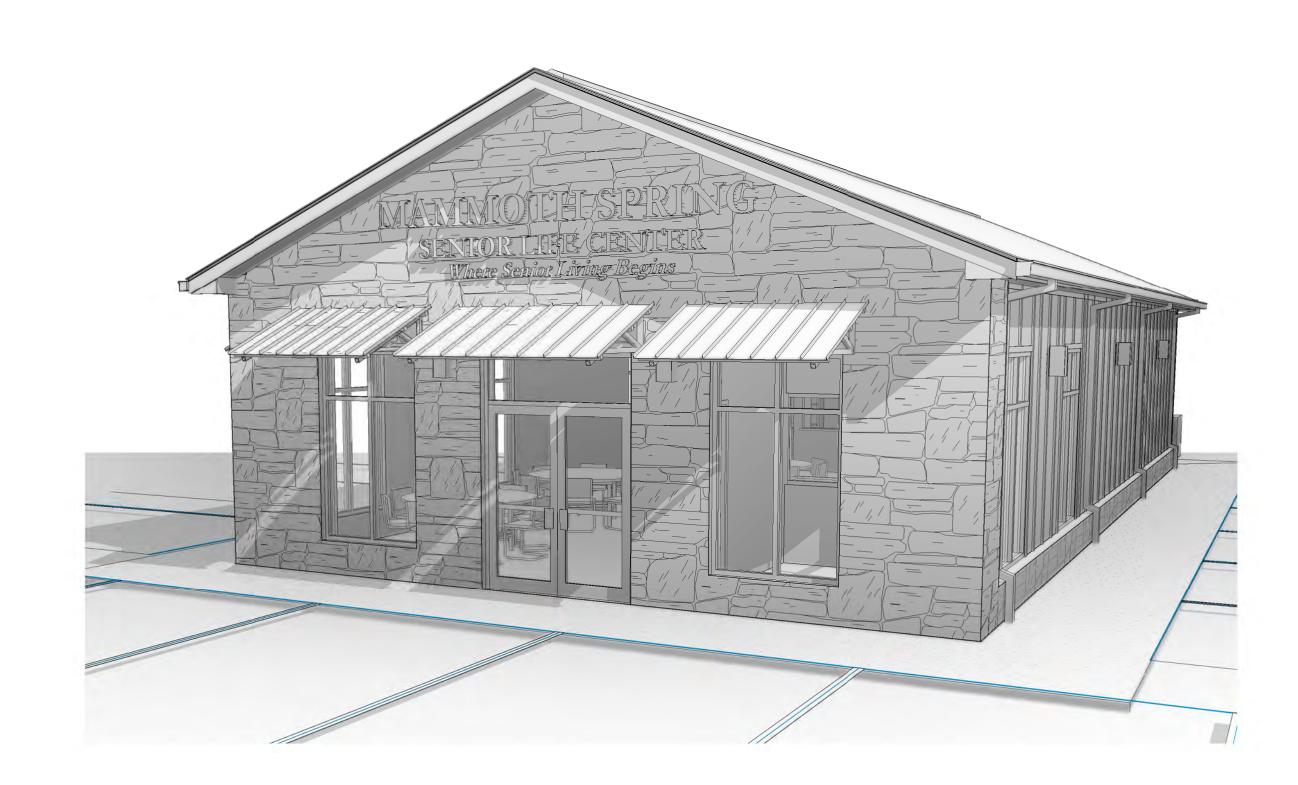
NEW SENIOR CENTER FOR:

CITY OF MAMMOTH SPRING, AR



PROJECT TEAM

CIVIL ENGINEER:

CIVIL ENGINEERING ASSOCIATES

2411 EAST MATTHEWS AVENUE

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PHONE: 870.932.0432

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JOHN MIXON

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CONTACT:

JORDAN LANE

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PHONE: 731.479.2115

CONTACT: ALLEN CRITTENDON

CITY OF MAMMOTH SPRING NEW SENIOR CENTER



FULTON COUNTY MAMMOTH SPRING, AR



	SHEET INDEX							
SHEET NUMBER	SHEET NAME							
GENERAL INFORM	ATION							
G-001	EET INDEX, ABBREVIATIONS, LEGEND							
G-002	CODE ANALYSIS							
CIVIL								
C-101	EXISTING CONDITIONS							
C-102	PROPOSED SITE LAYOUT							
C-103	PROPOSED GRADING & UTILITY PLAN							
C-104	STANDARD DETAILS							
STRUCTURAL S-001 S-101	GENERAL NOTES FOUNDATION PLAN							
S-201	ROOF FRAMING PLAN							
ARCHITECTURAL								
A-001	PARTITION TYPES AND PLAN DETAILS							
A-101	FLOOR PLAN AND SCHEDULES							
A-102	REFLECTED CEILING PLAN							
A-103	ROOF PLAN							
A-201	EXTERIOR ELEVATIONS							
A-301	BUILDING SECTIONS							
A-401	WALL SECTIONS							
A-501	ENLARGED TOILET PLANS & ELEVATIONS, MILLWORK ELEVATIONS & DETAILS							
A-601	DOOR SCHEDULE, DOOR & FRAME ELEVATIONS, ALUM. FRAME ELEVATIONS							

	SHEET INDEX
SHEET NUMBER	SHEET NAME
A-602	DOOR AND WINDOW DETAILS
A-701	ROOM FINISH SCHEDULE, FINISH LEGEND, SIGNAGE LEGEND
PLUMBING	
P-101	SEWER PLAN
P-102	PLUMBING/PIPING PLAN
P-201	PLUMBING SCHEDULE
P-202	PLUMBING DETAILS
MECHANICAL	
M-101	HVAC PLAN
M-201	HVAC DETAILS AND SCHEDULES
M-202	HOOD DETAILS AND SCHEDULES
M-203	HOOD DETAILS AND SCHEDULES
ELECTRICAL	
E-001	GENERAL ELECTRICAL INFORMATION
E-002	ELECTRICAL DETAILS
E-101	ELECTRICAL SITE PLAN
E-201	ONE-LINE DIAGRAM & PANEL SCHED.
E-300	LIGHTING SCHEDULE & DETAILS
E-301	LIGHTING PLAN
E-401	POWER PLAN
E-402	MECHANICAL POWER PLAN

CITY OF MAMMOTH SPRING

TOOPER MIXON
A R C H I T E C T S

505 union street, 2nd flr jonesboro, ar 72401
phone 870.336.0536 www.coopermixon.com

CONSTRUCTION DOCUMENTS

PROJECT NO.

2114
PROJECT NAME

PROJECT NAME

NEW SENIOR CENTER

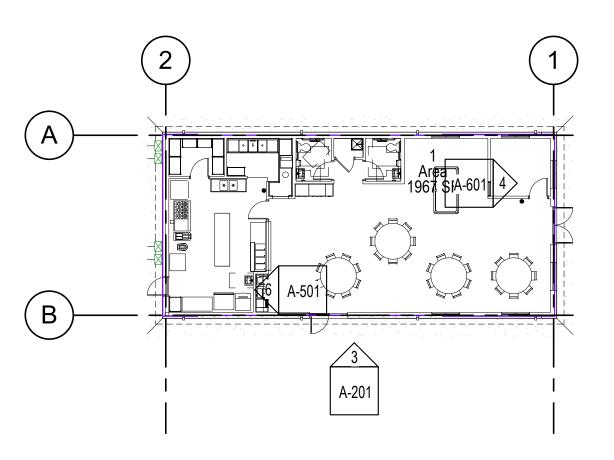
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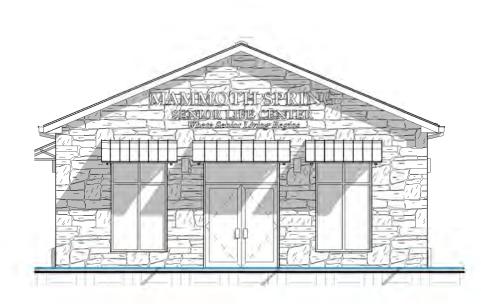
07/09/21 CONTENTS

SHEET INDEX, ABBREVIATIONS, LEGEND

SHEET NUMBER

G-001

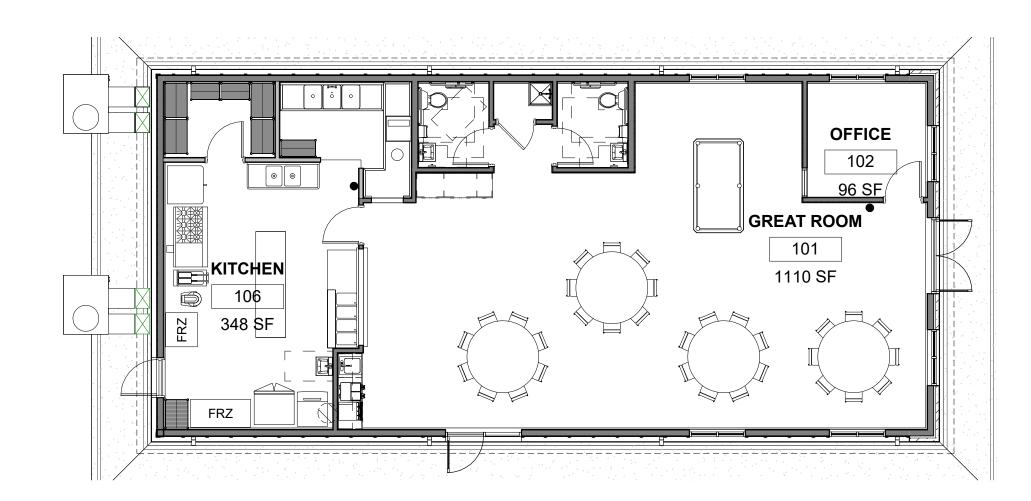








		R	OOM SCHEDULE		
#	NAME	AREA	OCC LOAD FACTOR	OCC LOAD	COMMENTS
	·				
103	WOMEN	41 SF			RESTROOM
104	JANITOR	15 SF			
108	STORAGE	59 SF			
103	GAME ROOM	Not Placed			
107	DISH WASH	84 SF			KITCHEN
: 5			·	0.0	
ASSEM	BLY WITHOUT FIXED SEA	ATS - UNCONCENTRA	TED (TABLES AND CHAIRS)		
101	GREAT ROOM	1110 SF	15 SF	74.0	GREAT ROOM
ASSEM	BLY WITHOUT FIXED SEA	ATS - UNCONCENTRA	TED (TABLES AND CHAIRS): 1	74.0	·
BUSINE	ESS AREA				
102	OFFICE	96 SF	100 SF	1.0	OFFICE
	ESS AREA: 1		·	1.0	
BUSINE	LOO AINLA. I				
	ENS, COMMERCIAL				
		348 SF	200 SF	1.7	KITCHEN
KITCHE 106	ENS, COMMERCIAL	348 SF	200 SF		KITCHEN
KITCHE 106 KITCHE	ENS, COMMERCIAL KITCHEN	348 SF	200 SF	1.7	KITCHEN
KITCHE 106 KITCHE	ENS, COMMERCIAL KITCHEN ENS, COMMERCIAL: 1	348 SF 41 SF	200 SF 0 SF	1.7	KITCHEN
KITCHE 106 KITCHE NOT OC 105	ENS, COMMERCIAL KITCHEN ENS, COMMERCIAL: 1 CCUPIED			1.7	







AUTHORITY HAVING JURISDICTION

	SPRINGS ARKANSAS								
ADOPTED COD	ES								
2012 Arkansas Fire Pr	Code 2010 AM revention Code Vol. I: Fire 2006 APC revention Code Vol. II: Building 2006 AFA revention Code Vol. III: Residential 2003 ICC	kansas Energy Code (2009 IECC w/ supplements & amendments) IC: Arkansas Mechanical Codes IC: Arkansas Plumbing Codes AG: Arkansas Fuel and Gas Codes C/ANSI A117.1: American National Standards(ADA requirements) IA Standards for Accessibility							
CODE STUDY	Zo To ADA	A Otandards for Accessionity							
	SISTS OF THE NEW CONSTRUCTION OF A SENIOR CENTER FOR								
	OR OCCUPANCY - ASSEMBLY A-2 WITH ACCES								
303.4	ASSEMBLY GROUP A-2	GAME ROOM AND KITCHE							
508.2	BUSINESS GROUP B	ACCESSORY OCCUPANCY							
508.2.4	SEPARATION OF OCCUPANCIES	NO SEPARATION IS REQU	IIRED						
GENERAL BUIL	DING HEIGHTS AND AREAS - ASSEMBLY GROU	JP A-2							
TABLE 503	TABULAR ALLOWABLE AREA	6,000 SF (PER STORY)	PROPOSED AREA	1,982 GROSS SQUARE FEET					
	TABULAR ALLOWABLE STORIES	1	PROPOSED STORIES	1					
	TABULAR ALLOWABLE HEIGHT	40'	PROPOSED HEIGHT	19' - 4"					
BUILDING CON	STRUCTION								
602	CONSTRUCTION TYPE	V-B - NON-SPRINKLED							
FIRE RESISTAN	NCE RATING REQUIREMENTS (HOURS)								
TABLE 601	COMPONENT	RATING REQUIRED	RATING PROVIDED						
	STRUCTURAL FRAME	0	0						
	BEARING WALLS - EXTERIOR	0	0						
	BEARING WALLS - INTERIOR	0	0						
TABLE 602	NONBEARING WALLS & PARTITIONS - EXTERIOR	0	0						
	NONBEARING WALLS & PARTITIONS - INTERIOR	0	0						
	FLOOR CONSTRUCTION	0	0						
	ROOF CONSTRUCTION	0	0						
FIRE AND SMO	KE PROTECTION FEATURES	1 -							
7XX	XXXXXX	XXXXXXXX							
	SHES - TABLE 803.9	7000000							
GROUP	INTERIOR EXIT	EXIT ACCESS	ENCLOSED SPACES						
A-2	A	A	B (CLASS C ALLOWED (OCCUP 300 OR LESS)					
FIRE PROTECT			2 (22, 33 3 7 1220 17 12 1						
903.2.1.2	OCCUPANCY LESS THAN 100	NOT REQUIRED							
904.2.1	COMMERCIAL HOOD AND DUCT SYSTEM	FIRE SUPPRESSION SYST	EM REOLIBED						
906.1	PORTABLE FIRE EXTINGUISHERS	REQUIRED	LIVI INLIGOTINED						
XXX	XXXXXXX XXXXXX								
		XXXXX							
	RESS (SEE ROOM SCHEDULE FOR OCCUPANT L		OTHER COMPONENTS CO	N SAINI					
	1 MEANS OF EGRESS DOORS - WIDTH		OTHER COMPONENTS - 32	WIIN					
SPACE	TOTAL OCCUPANTS	EXITS REQUIRED	MIN WIDTH						
DINING/GAME	65 + 2 = 67	2	32"						
KITCHEN	3	1	32"						
ACCESSIBILITY									
1109.5	DRINKING FOUNTAINS	REQUIRED							
1110	SIGNAGE	REQUIRED							

1109.5	DIVINITING I	JUNIAINO		INEQUI	KLD						
1110	SIGNAGE REQUIRED										
TOTAL REQU	JIRED PLUMBIN	G FIXTURES	(BASED AS PER	R OCCUPANCY	CLASSIFICAT	ION ANALYSI	S)				
OCCUPANCY			WAT CLOS		LAVATORIES DRINKING FOUNTAINS						SERVICE SINKS
USE	LOAD	RATIO	MEN	RATIO	WOMEN	RATIO	MEN	WOMEN	RATIO	FOUNTAINS	
A-2 + B	65 + 2 + 3 1:40 35 = 1 WC 1:40 35 = 1 WC					1:75	35 = 1 LAV	35 = 1 LAV	1:500	1	1

NOTE: XXXX

SCHEDULE OF SPECIAL INSPECTIONS - PER CHAPTER	17 OF THE 2021 ARKANSAS FIRE PREVENTION CODE (SEE SPECIFICATION)

AFPC/IBC	ACTIVITY	DESC	RIPTION	EXTENT	AGENT
1705.2	STEEL CONSTRUCTION	1.	INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS	PERIODIC	STRUCTURAL ENGINEER
		2.	MATERIALS VERIFICATION OF COLD -FORMED STEEL DECK AND ATTACHMENTS.	PERIODIC	STRUCTURAL ENGINEER
1705.3	CONCRETE CONSTRUCTION	1. 2. 3. 4. 5.	INSPECTION OF REINFORCING STEEL INSTALLATION INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED. INSPECTION OF ANCHORS POST - INSTALLED IN HARDENED CONCRETE VERIFY USE OF REQUIRED DESIGN MIX. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP TEST AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	PERIODIC PERIODIC PERIODIC PERIODIC CONTINUOUS	STRUCTURAL ENGINEER STRUCTURAL ENGINEER STRUCTURAL ENGINEER STRUCTURAL ENGINEER TESTING AGENCY
1705.6	SOILS	1.	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC PERIODIC	GEOTECHNICAL ENGINEER GEOTECHNICAL ENGINEER

OF MAMMOTH

COOPER MIXON
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CONSTRUCTION DOCUMENTS PROJECT NO.

2114

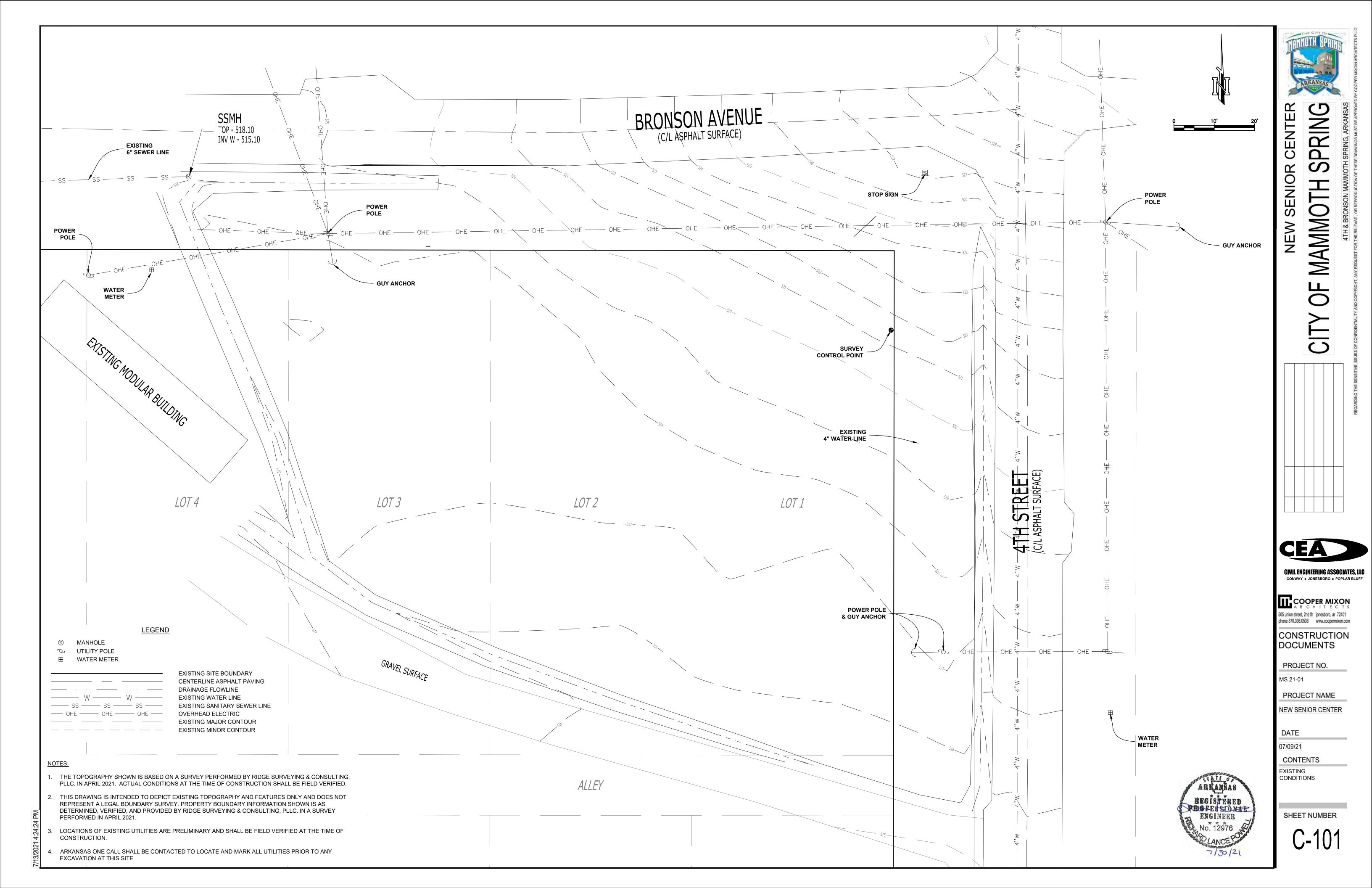
PROJECT NAME

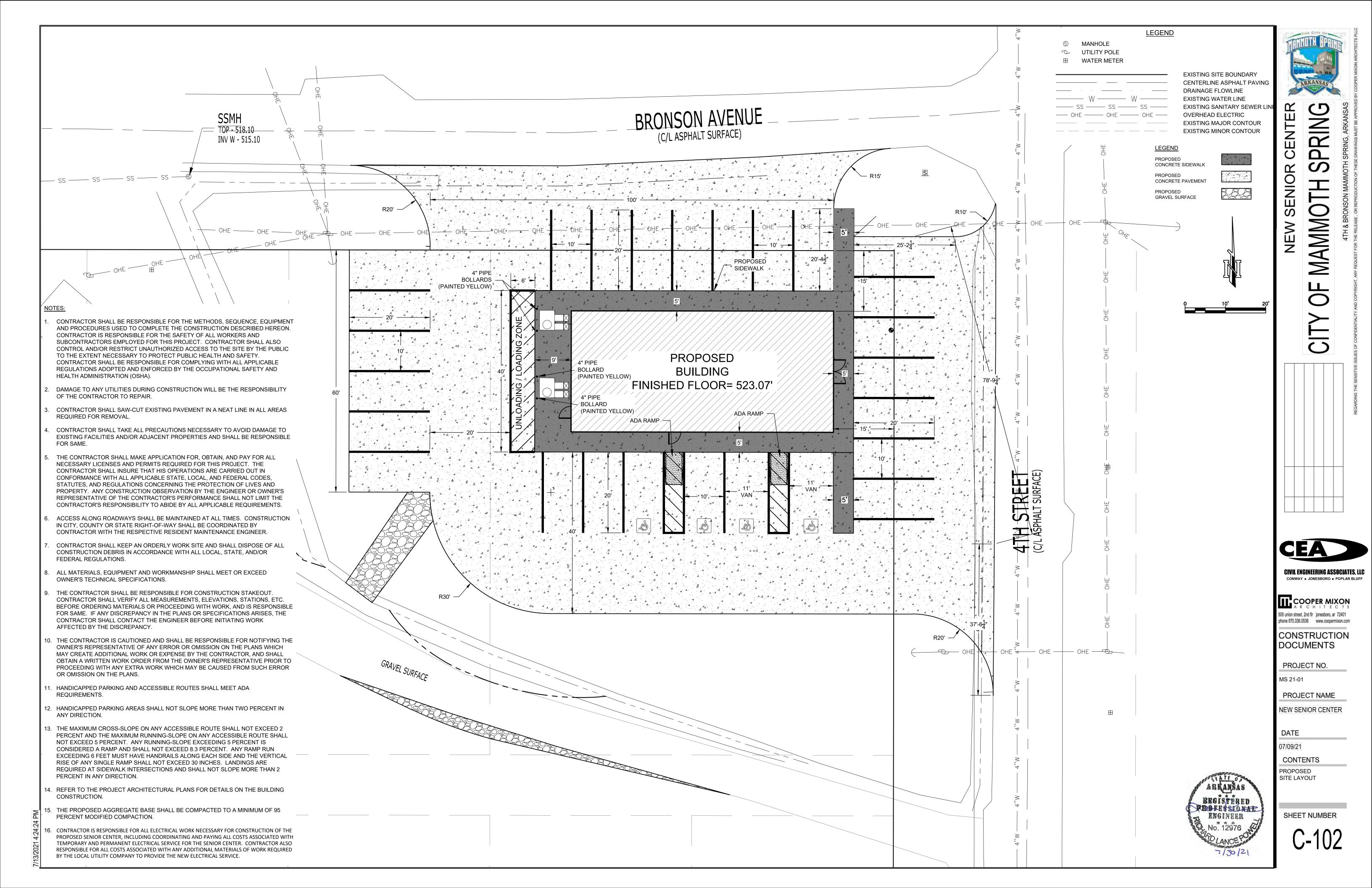
NEW SENIOR CENTER

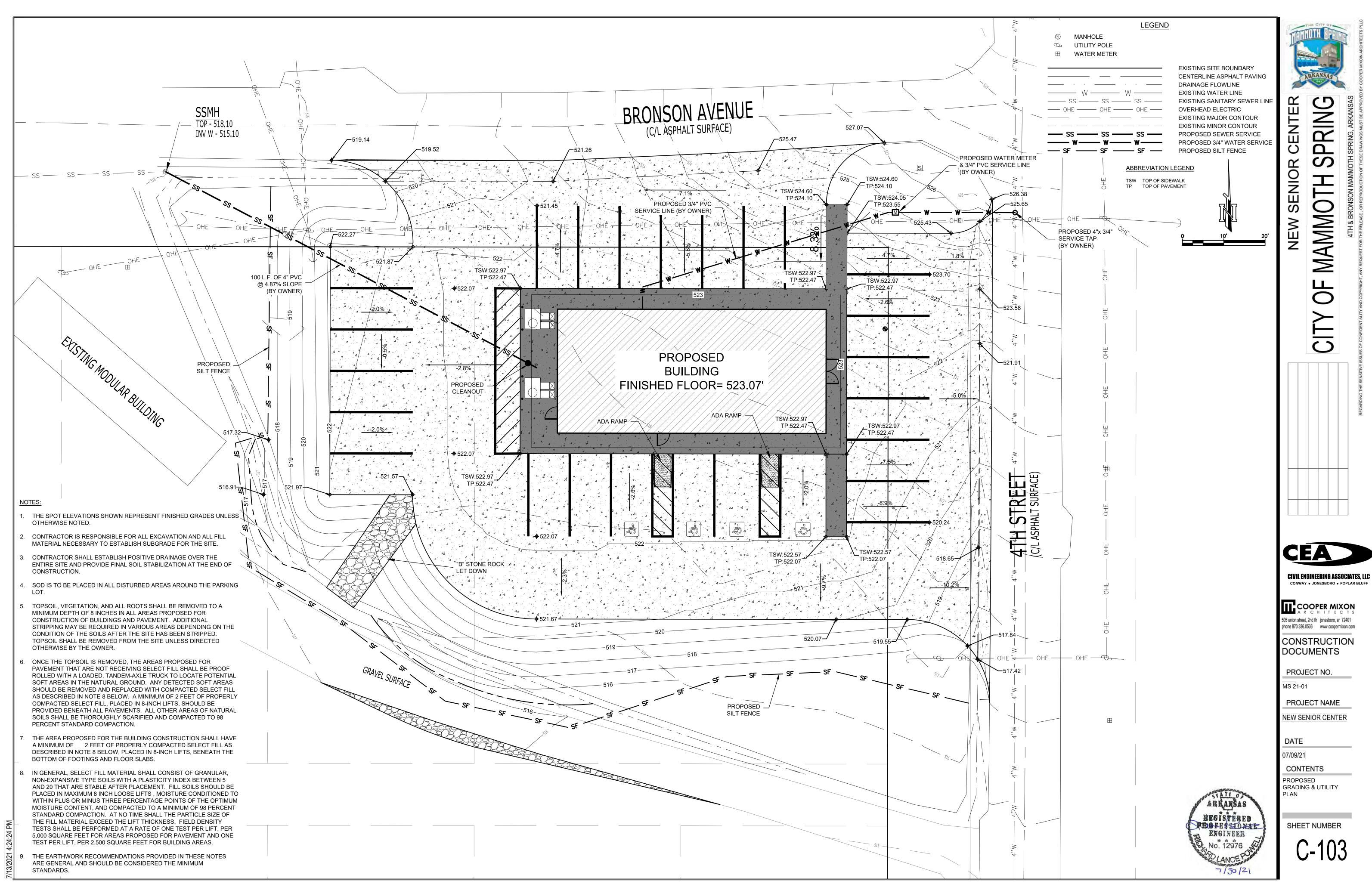
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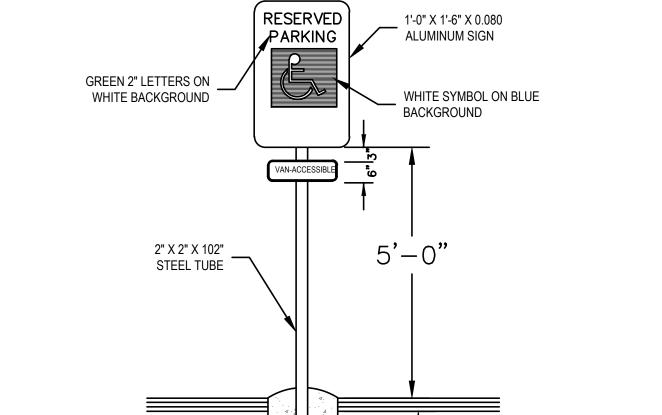
07/09/21 CONTENTS

CODE ANALYSIS









ROUNDED TOP OF

ADJACENT SURFACING

THICKNESS

CONCRETE

BLACK STEEL PIPE SCHEDULE 40 PAINTED

2500 PSI CONCRETE

PLACE ADJACENT SURFACE AFTER **BOLLARD IS SET**

COMPACTED SUBGRADE

1. SELECT PIPE DIAMETER AND PAINT COLOR AS CALLED FOR IN

ARE ANTICIPATED. USE 6" WHERE MEDIUM LOADS ARE ANTICIPATED. USE 4" ONLY WHERE VERY LIGHT LOADS ARE

2. BOLLARDS NOT TO BE USED IN OR NEAR STREET AREAS.

PLANS. USE 8" AS MAXIMUM UNLESS EXTREMELY HEAVY LOADINGS

6" MIN. →

TYPICAL BOLLARD DETAIL
N.T.S.

SEE OTHER DETAILS FOR

ADJACENT SURFACE AND

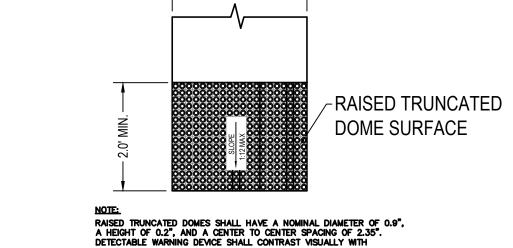
UNDERLYING MATERIALS

ANTICIPATED.

NOTE: ALL SIGNS SHALL CONFORM TO THE MUTCD AND SHALL BE HIGH INTENSITY. BOLT TO STEEL TUBE WITH 3/8" CADMIUM PLATED BOLTS, NUTS, AND WASHERS.

CONCRETE

HANDICAP PARKING SIGN



HANDICAP PARKING SPACE (TYPICAL)

SAW CUT JOINT

AT 6' INTERVALS

¹/₂" PREMOLDED

EXPANSION

CONTRACTION JOINT (CJ)

HANDICAP PARKING SIGN

JOINT FILLER

60' OF LENGTH.

TYPICAL JOINT DETAIL

60'-0" O.C. MAX.

EXPANSION JOINT (EJ)

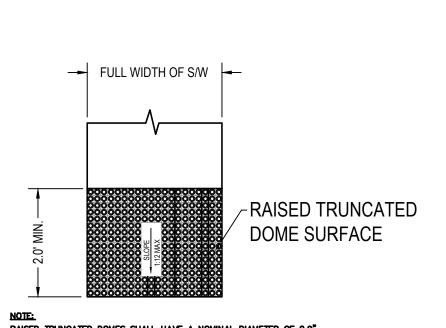
PROVIDE EXPANSION JOINT NEXT TO STRUCTURES AND FOR EVERY

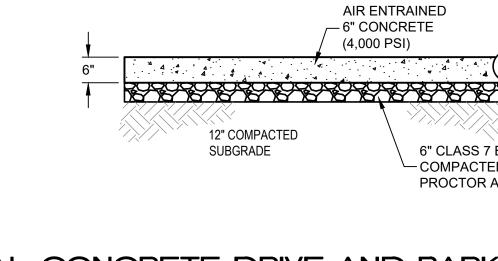
SEALANT TYPICAL

ALL JOINTS

DETECTAB;E WARNING DEVICE
N.T.S.

RAISED TRUNCATED DOMES SHALL HAVE A NOMINAL DIAMETER OF 0.9", A HEIGHT OF 0.2", AND A CENTER TO CENTER SPACING OF 2.35". DETECTABLE WARNING DEVICE SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.

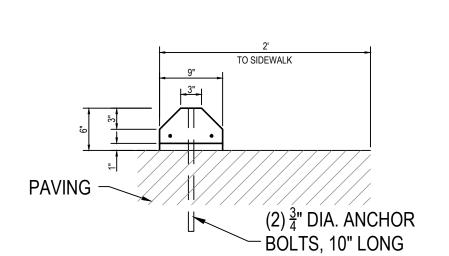




TYPICAL CONCRETE DRIVE AND PARKING SECTION N.T.S.

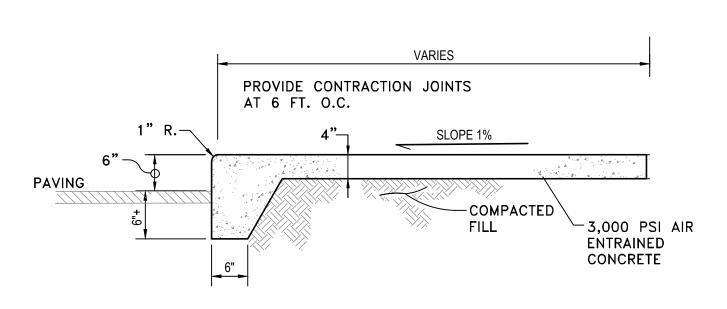
AIR ENTRAINED - 4" CONCRETE (3,000 PSI) 2% SLOPE MAX. SUBGRADE COMPACTED TO 95% STANDARD PROCTOR AS

TYPICAL SIDEWALK SECTION

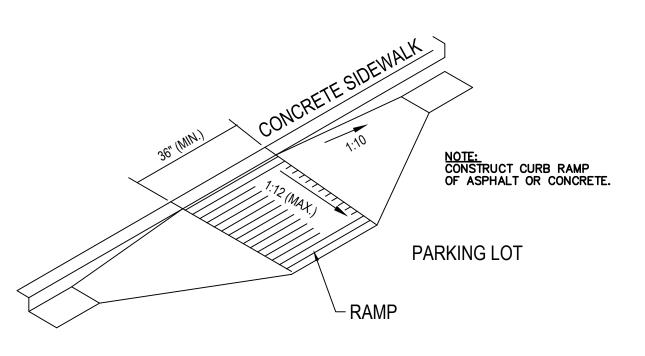


PRE-CAST CONCRETE WHEEL-STOP

PER EACH UNIT



TURN DOWN SIDEWALK DETAIL



6" CLASS 7 BASE COURSE

- COMPACTED TO 95% MODIFIED
PROCTOR AS NEEDED

BUILT-UP SIDEWALK CURB RAMP SLOPE RATIOS - VERTICAL:HORIZONTAL



OF MAMMO

CONWAY • JONESBORO • POPLAR BLUFF COOPER MIXON

505 union street, 2nd flr jonesboro, ar 72401 phone 870.336.0536 www.coopermixon.com CONSTRUCTION

DOCUMENTS PROJECT NO.

MS 21-01

PROJECT NAME

NEW SENIOR CENTER

DATE 07/09/21

CONTENTS

STANDARD DETAILS

DESIGN CODE: 2012 ARKANSAS FIRE PREVENTION CODE (BASED ON THE 2012 INTERNATIONAL BUILDING CODE)

ALSO REFERENCES ASCE 7-10 RISK CATEGORY: II **GRAVITY LOADS**

> **DEAD LOAD:** MATERIAL WEIGHT

LIVE LOADS:

20 PSF TYPICAL ROOF LIVE LOAD

SNOW LOADS:

GROUND SNOW LOAD PG= 15 PSF

SNOW DRIFT SHALL BE CONSIDERED FOR THE NEW STRUCTURE PER ASCE 7-10.

LATERAL LOADS

WIND:

ULTIMATE WIND SPEED Vult = 115 MPHVasd = 89 MPHNOMINAL WIND SPEED IMPORTANCE FACTOR lw = 1.0EXPOSURE CATEGORY

SEISMIC:

SOIL SITE CLASS (ASSUMED)

SEISMIC RESPONSE COEFF.

IMPORTANCE FACTOR le = 1.0MAPPED SPECTRAL RESP ACC SH PER. SS = 0.538MAPPED SPECTRAL RESP ACC 1 SEC S1 = 0.209SMS = 0.737MCE/R SPECTRAL RESPONSE SH PER. MCE/R SPECTRAL RESPONSE 1 SEC. SM1 = 0.415

SDS = 0.491

SD1 = 0.276

R = 6.5

Cs = 0.076

DESIGN SPECTRAL RESPONSE 1 SEC.

DESIGN SPECTRAL RESPONSE SH PER.

SEISMIC DESIGN CATEGORY

LATERAL SYSTEM:

LIGHT-FRAME (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RESPONSE MODIFICATION FACTOR

ALL SPECIAL INSPECTIONS AND TESTS REQUIRED IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE SHALL BE PERFORMED BY A QUALIFIED INSPECTOR AND REPORTS SHALL BE FURNISHED.

B. MISCELLANEOUS:

SPECIAL INSPECTIONS:

CONTRACTOR SHALL COMPLY WITH ALL OSHA SAFETY STANDARDS DURING CONSTRUCTION

COORDINATE WORK FROM ALL DISCIPLINES AS REQUIRED.

C. EARTHWORK:

FOUNDATIONS ARE DESIGNED BASED ON AN ALLOWABLE BEARING CAPACITY OF 2000 PSF AND THE CONTRACTOR SHALL HAVE THIS VERIFIED DURING CONSTRUCTION PRIOR TO POURING THE FOUNDATIONS. UNDERCUTTING. FILL PLACEMENT AND COMPACTION OF ALL FOUNDATIONS AND SLABS SHALL BE PERFORMED PER THE GEOTECHNICAL RECOMMENDATIONS.

D. CONCRETE AND REINFORCING:

ALL CONCRETE AND REINFORCEMENT SHALL CONFORM TO THE LATEST ACI CODE.

ALL REINFORCING BARS SHALL BE A-615 GRADE 60 STEEL

LAP ALL REINFORCING BARS 48 BAR DIAMETERS MIN.

ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH AT 28 DAYS (f"c) OF 3500 PSI.

MAXIMUM AGGREGATE SIZE IN FOOTINGS SHALL BE 1 1/2", MAXIMUM AND AGGREGATE SIZE IN SLABS SHALL BE 1".

CONCRETE EXPOSED TO WEATHER SHALL HAVE 5.5% AIR ENTRAINMENT.

PROVIDE CORNER BARS AT INTERSECTIONS OF ALL CONCRETE MEMBERS. MATCH SIZE AND SPACING OF REBAR IN FOOTING.

SLAB EDGE TOLERANCE SHALL BE ±1/2" U.N.O.

PLACE AND CURE CONCRETE IN ACCORDANCE TO ACI 305R AND 306R FOR HIGH AND LOW AIR TEMPERATURES AT PLACEMENT, RESPECTIVELY

THE CONCRETE FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH ACT 1100, 1991 OF THE STATE OF ARKANSAS.

E. CONCRETE MASONRY

CONCRETE MASONRY MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE LATEST ACI-530.

REQUIRED MASONRY NET AREA COMPRESSIVE STRENGTH f'm = 2000 PSI.

TYPE M OR S MORTAR SHALL BE USED THAT CONFORMS TO ASTM C270.

GROUT SHALL CONFORM TO ASTM C476 WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2000 PSI.

THE BELOW GRADE CMU WALL STRUCTURES SHALL BE FULLY GROUTED AND GROUTING PROCEDURE SHALL COMPLY WITH THE ACI 530.

F. WOOD

DESIGN OF WOOD MEMBERS IS BASED ON THE 2018 EDITION OF THE NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION

FRAMING LUMBER SHALL BE SOUTHERN PINE STUD GRADE OR BETTER U.N.O. WOOD INN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

ALL SHEATHING SHALL BE STRUCTURAL 1 CONFORMING TO PRODUCT STANDARD PS 1 WITH EXTERIOR GLUE.

BOLT HOLES SHALL BE 1/16" LARGER THAN THE BOLT SIZE. RE-TIGHTEN ALL NUTS PRIOR TO CLOSING IN.

STANDARD CUT WASHERS SHALL BE USED UNDER HEAD AND NUTS AGAINST WOOD.

THE BOLTS FOR PLATES SHALL BE PLACED 8" FROM THE END OF A PLATE AND PLACED AT INTERVALS NOTED ON THE PLAN

DO NOT NOTCH BOTTOMS OF WOOD MEMBERS, EXCEPT WHERE SHOWN IN DETAILS. OBTAIN A/E APPROVAL FOR ANY HOLES IN ALL WOOD MEMBERS EXCEPT AS NOTED BELOW. HOLES THROUGH SILLS, PLATES, STUDS, AND DOUBLE PLATES IN INTERIOR, BEARING AND SHEAR WALLS SHALL NOT EXCEED ONE-THIRD THE PLATE WIDTH AND SHALL BE BORED HOLES PLACED IN THE CENTER OF THE STUD OR PLATE. NOTCHING IS NOT PERMITTED.

ALL NAILS SHALL BE COMMON WIRE NAILS. WHERE DRIVING OF NAILS CAUSES SPLITTING, HOLES FOR THE NAILS SHALL BE SUB DRILLED.

NAILED CONNECTIONS SHALL CONFORM TO TABLE 2304.9.1 OF THE 2012 IBC, U.N.O.

END DISTANCE. EDGE DISTANCE AND SPACING OF NAILS SHALL BE SUCH TO AVOID SPLITTING OF THE WOOD.

THE PENETRATION OF NAILS INTO THE PIECE RECEIVING THE POINT SHALL BE NOT LESS THAN ONE-HALF THE LENGTH OF THE NAIL PROVIDED, HOWEVER, 16D NAILS MAY BE USED TO CONNECT PIECES OF 2" NOMINAL THICKNESS.

NAILING NOT NOTED SHALL BE AT LEAST TWO NAILS AT ALL CONTACT POINTS USING 8D NAILS THROUGH 1" MATERIAL AND 16D NAILS THROUGH 2" MATERIAL

PROVIDE A MINIMUM 1/8" GAP BETWEEN ALL PLYWOOD ROOF SHEATHING.

SPLICE DOUBLE TOP PLATES WITH MINIMUM 4' OVERLAP WITH MINIMUM 8-16D NAILS EACH SIDE OF THE JOINT.

ALL CONNECTORS, NAILS AND CONNECTION MATERIAL INCLUDING ANCHOR BOLTS, IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT-DIP GALVANIZED WITH A MINIMUM 185 COATING, TYPE 304 STAINLESS STEEL, OR TYPE 316 STAINLESS STEAL. DO NOT USE STAINLESS STEEL IN CONTACT WITH HOT-DIPPED GALVANIZED STEEL.

G. PREFABRICATED WOOD TRUSSES:

THE DESIGN OF PREFABRICATED WOOD TRUSSES SHALL BE BASED ON THE 2012 EDITION OF THE NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION.

THE PREFABRICATED WOOD TRUSS MANUFACTURER SHALL:

DESIGN FOR THE FORCES INDICATED IN THE DRAWINGS.

PROVIDED TRUSSES AT THE INDICATED SPACING. WHEN SINGLE PLY TRUSSES ARE INSUFFICIENT PROVIDE MULTI-PLY TRUSSES.

DESIGN TRUSS MEMBERS UTILIZING #2 GRADE LUMBER OR BETTER.

DESIGN AND PROVIDE ALL PERMANENT BRACING REQUIRED FOR THE STABILITY OF THE TRUSSES.

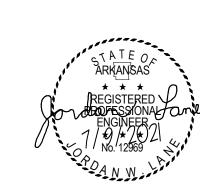
DESIGN AND PROVIDE CONNECTOR MATERIAL AS REQUIRED TO FASTEN TRUSSES TO SUPPORTING STRUCTURAL ELEMENTS AND OTHER CONNECTOR MATERIAL REQUIRED BY THE TRUSS DESIGN BUT NOT SHOWN ON THE DRAWINGS.

f. ATTACH TAGS TO THE TRUSSES INDICATING LOCATIONS WHERE WEB BRACING AND PERMANENT LATERAL BRACING IS TO BE INSTALLED. EXERCISE CARE DURING LIFTING OPERATIONS TO PREVENT FLAT WISE BENDING OF THE TRUSSES. TRUSSES ARE NOT DESIGNED TO BEND IN THIS FASHION; BUCKLING OF MEMBERS OR DAMAGE TO THE C

CONNECTIONS MAY OCCUR. IN ORDER TO DEVELOP THE DESIGN CAPACITY, PREFABRICATED ROOF TRUSSES SHALL BE INSTALLED PLUMB AND STRAIGHT. THE PLUMB AND STRAIGHTNESS OF EACH TRUSS SHALL BE VERIFIED. TRUSSES SHALL BE HELD IN CORRECT ALIGNMENT WITH

THE SPECIFIED TEMPORARY AND PERMANENT BRACING UNTIL SHEATHING IS INSTALLED. DO NOT PLACE LOADS ON TRUSSES UNTIL ALL SPECIFIED BRACING HAS BEEN INSTALLED AND THE SHEATHING PERMANENTLY ANCHORED. BUNDLES OF PLYWOOD SHALL NOT BE PLACED ON TRUSSES; LIFT PLYWOOD SHEETS ONTO ROOF ONLY AS REQUIRED

DURING THE SHEATHING PROCESS. ROOF SHEATHING SHALL BE CONTINUOUS UNDER VALLEY SETS. ATTACH VALLEY JACKS TO SUPPORTING TRUSSES AS REQUIRED BY THE TRUSS MANUFACTURER.





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MAMM

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COOPER MIXON 505 union street, 2nd flr jonesboro, ar 72401 phone 870.336.0536 www.coopermixon.com CONSTRUCTION

PROJECT NO.

DOCUMENTS

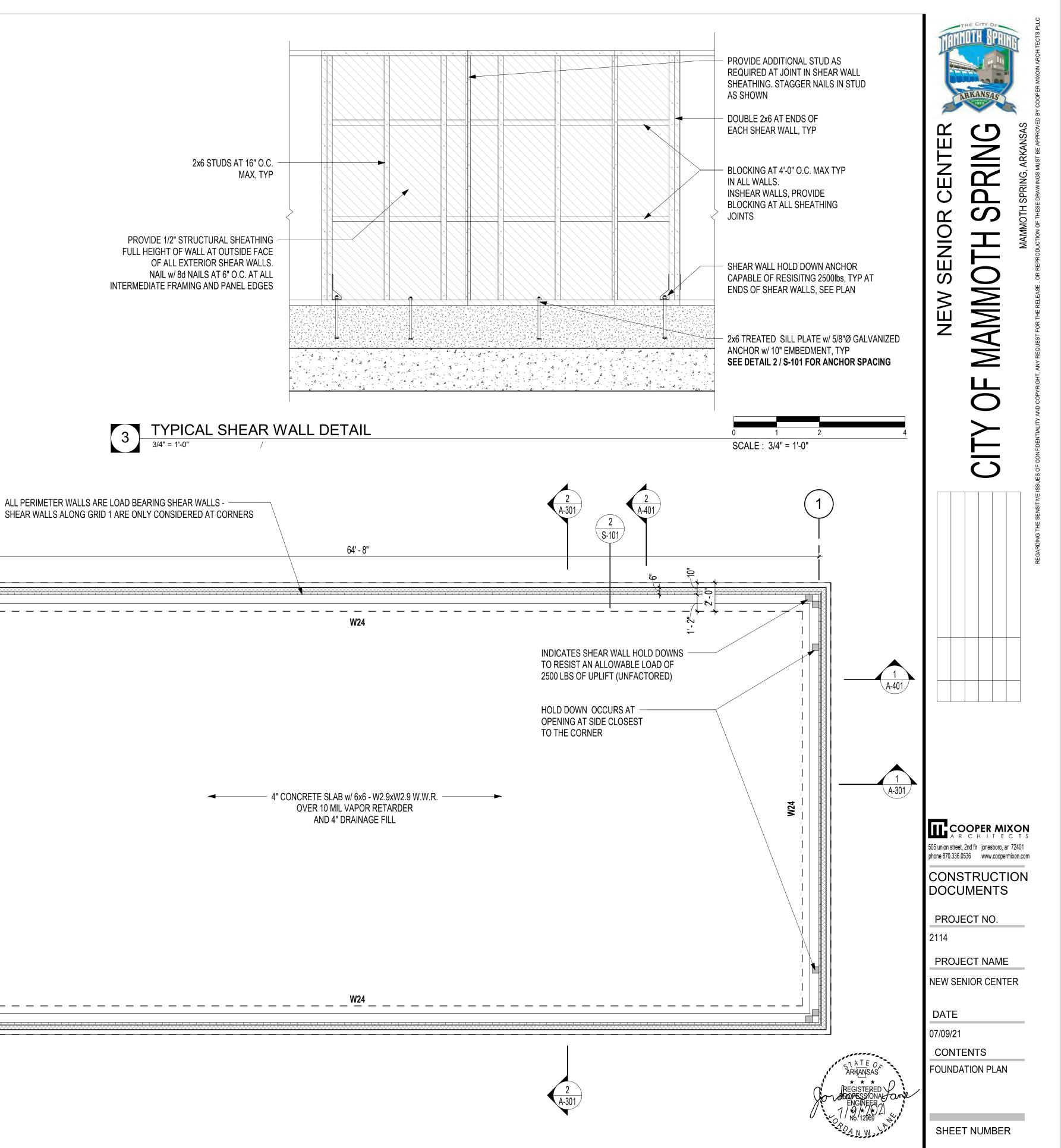
PROJECT NAME

NEW SENIOR CENTER

DATE

07/09/21

CONTENTS GENERAL NOTES



2 FOUNDATION & WALL BASE DETAIL 0 6"
1 1/2" = 1'-0" 1 / A-101 SCAI F · 1-1/2

2' - 0"

6 15/16" I 3/4"

CEMENT BD. BATTENS

1/2" ZIP SYSTEM SHEATHING

CEMENT BD. PANEL

 \prec E2 angle

MTL FLASHING w/

RETENTION CLIP

MASONRY WALL TIE

 \prec E1 angle

THRU WALL FLASHING w/ WEEPS

- EXPANSION JOINT F.F.E.__

8" CMU - GROUT FULL

GROUT CAVITY FULL

1 1/2" PERIMETER INSUL

4 DOWELS AT 16" O.C.

4 TRANSVERSE AT 18" O.C.

w/ 10" HOOK BOTTOM

3 - # 5 CONT.

STONE VENEER

& DRAINAGE MAT. I

ZIP SYSTEM FLASHING

5/8" 5 1/2" 5/16"

NOTE:

SHEILD

w/ TREATED BOTTOM PLATE

2x6 WOOD STUDS AT 16" O.C. TYP.

2x6 TREATED SILL PLATE w/ 5/8" DIA.

GALVANIZED ANCHORS w/ 10" EMBEDMENT MIN.

PROVIDE ANCHORS AT 24" O.C. ALONG GRIDS 1 & 2. PROVIDE ANCHORS AT 48" O.C. ALONG GRIDS A & B.

PROVIDE TERMITE

BATT INSULATION

5/8" GYP. BOARD

4" RUBBER COVE

1/2" CAULK JOINT

4 CONT.

4" CONCRETE SLAB w/

6x6 - W2.9xW2.9 W.W.R.

10 MIL VAPOR RETARDER

OVER 4" DRAINAGE FILL

AND 12" LONG VERT. LEG

HOOK & EYE LADDER

REINFORCEMENT

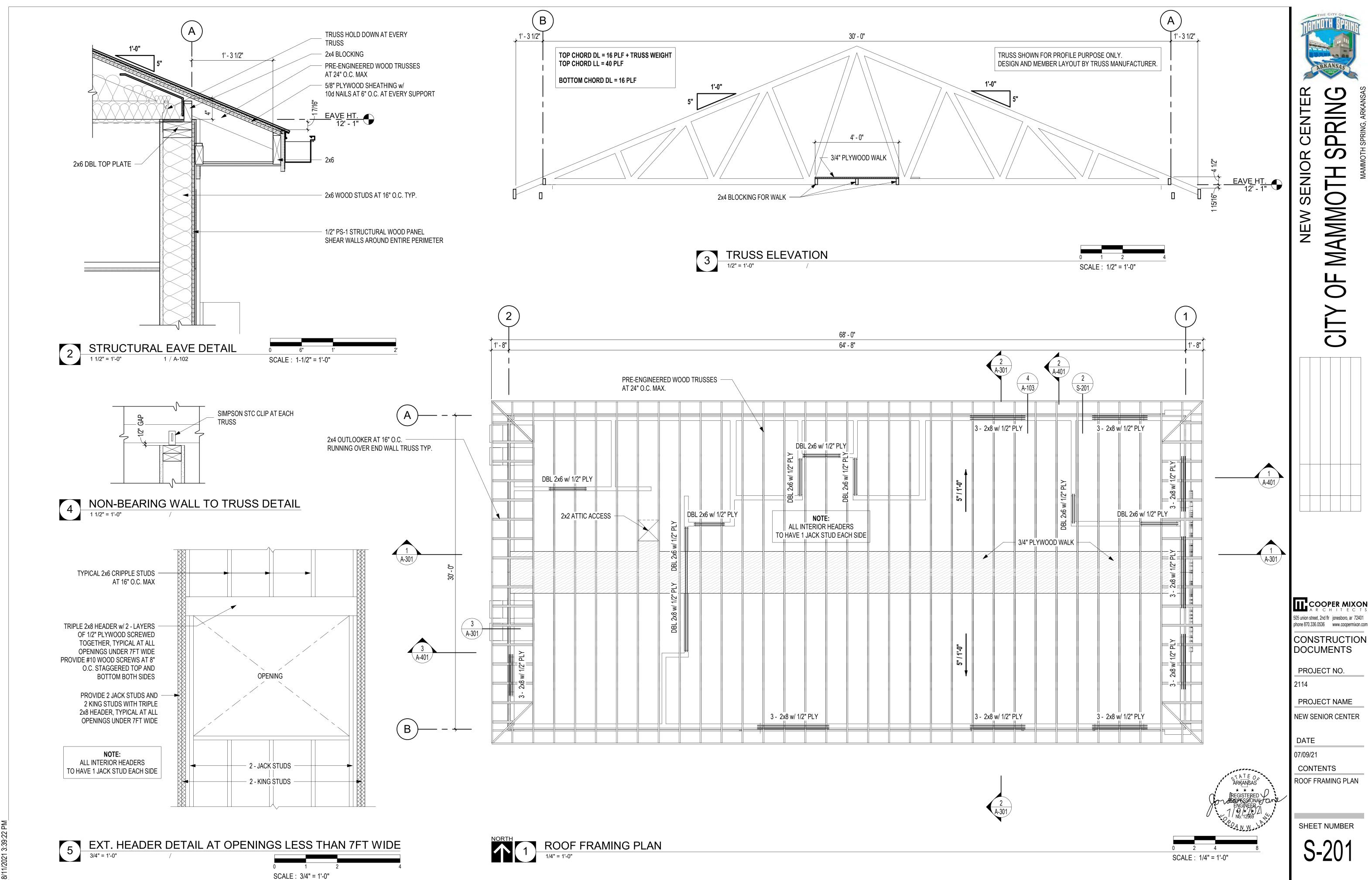
4 AT 16" O.C. w/ 36" LONG HORIZ. LEG

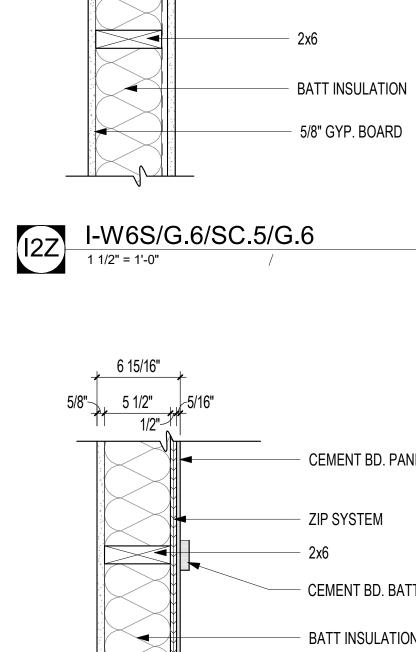
FOUNDATION PLAN

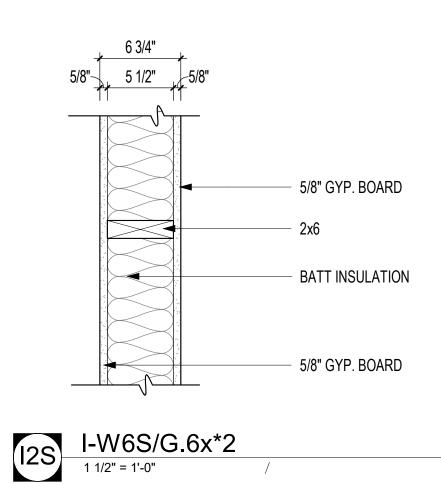
1/4" = 1'-0"

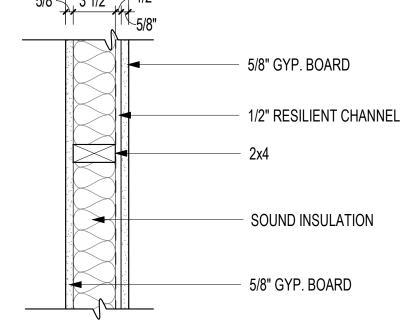
(B)

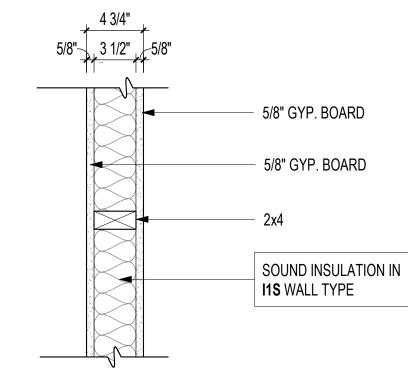
SCALE: 1/4" = 1'-0"

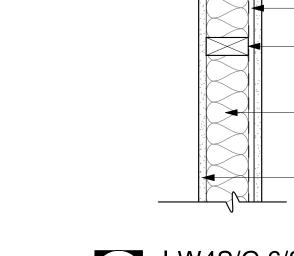




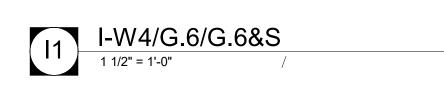


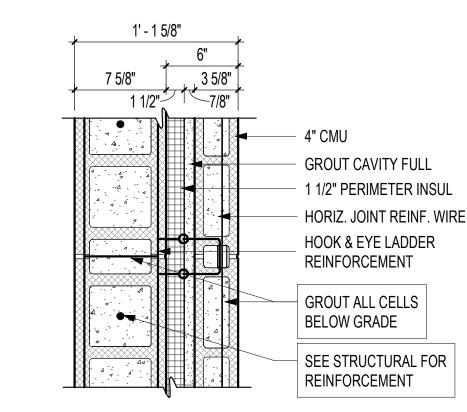


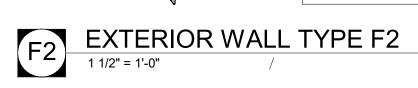


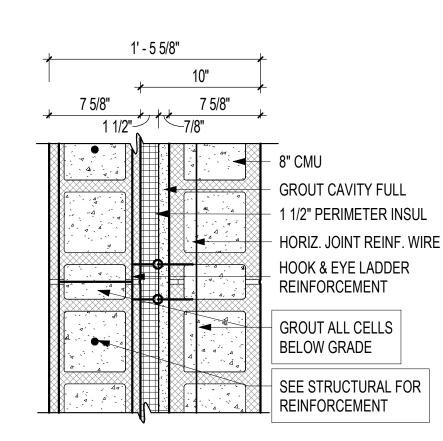




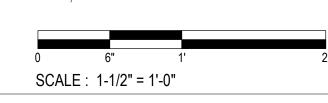






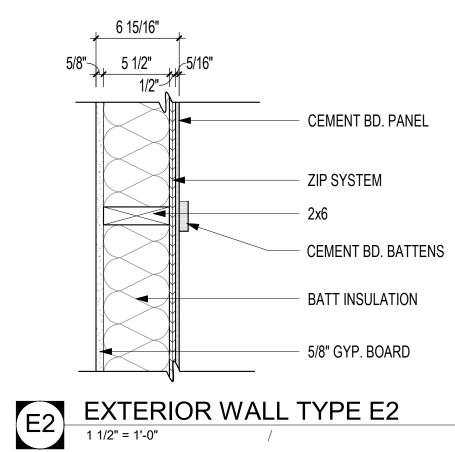






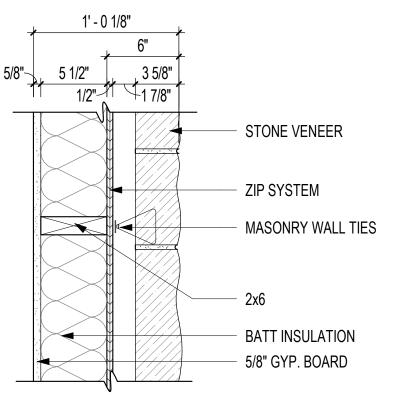
ZIP SYSTEM WOOD TRUSS - SEE STRUCTURAL CEMENT BD. BATTENS E3 EXTERIOR WALL TYPE E3
1 1/2" = 1'-0"

CEMENT BD. PANEL



5/8" GYP. BOARD

1/2" RESILIENT CHANNEL





SHEET NUMBER

CONTENTS

PLAN DETAILS

PARTITION TYPES AND

LL237

REGISTERED

ARCHITEOTS

REGISTERED

ARCHITEOTS

COOPER MIXON

505 union street, 2nd flr jonesboro, ar 72401 phone 870.336.0536 www.coopermixon.com

CONSTRUCTION

DOCUMENTS

PROJECT NO.

PROJECT NAME

NEW SENIOR CENTER

DATE

07/09/21

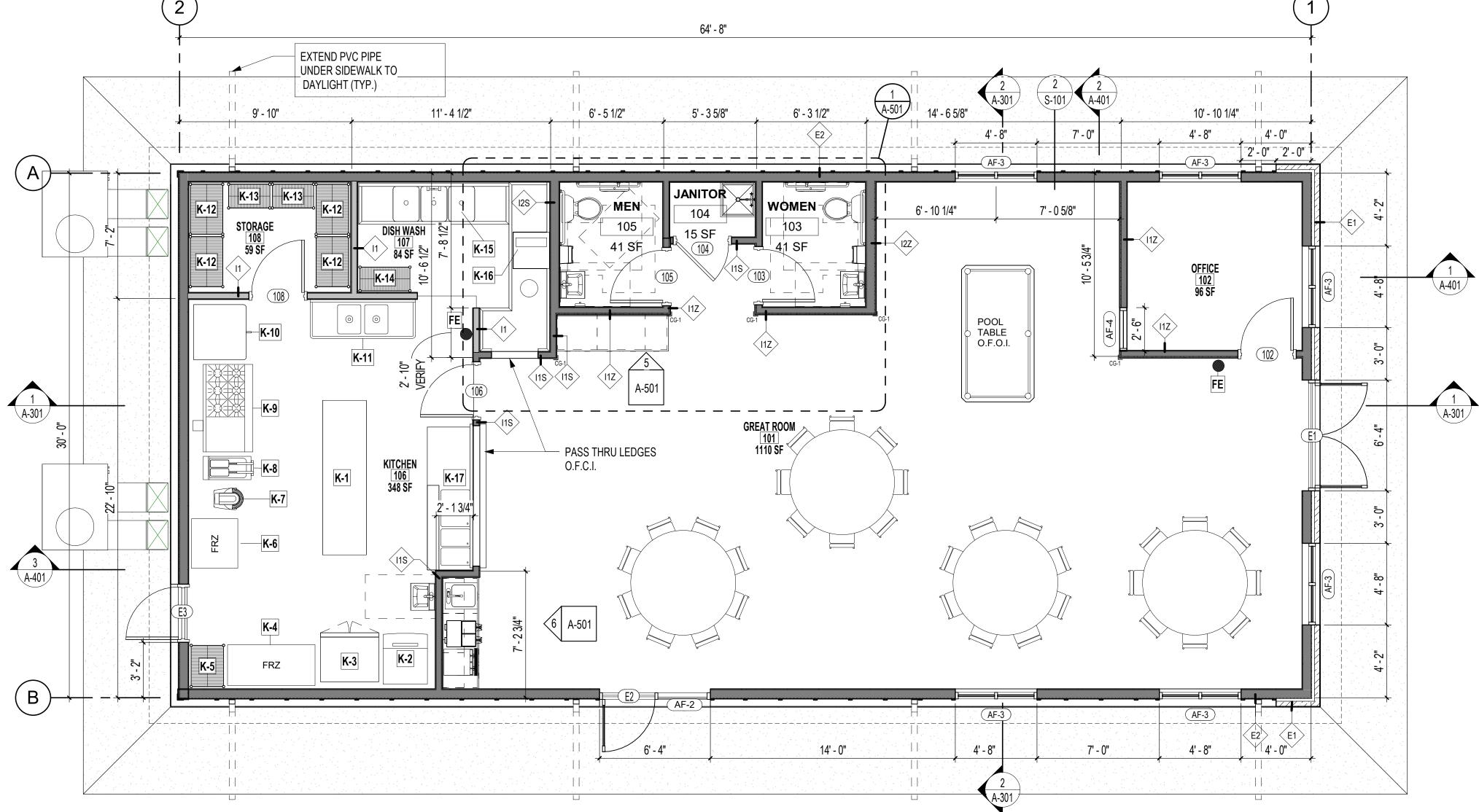
67/109/21

SPRING

OF MAMMOTH

NEW SENIOR CENTER







COPER MIXON
A R C H I T E C T S

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phone 870.336.0536 www.coopermixon.com

CONSTRUCTION
DOCUMENTS

PROJECT NO.

2114

PROJECT NAME

NEW SENIOR CENTER

67/199/21

_

OF MAMMOTH

NEW SENIOR

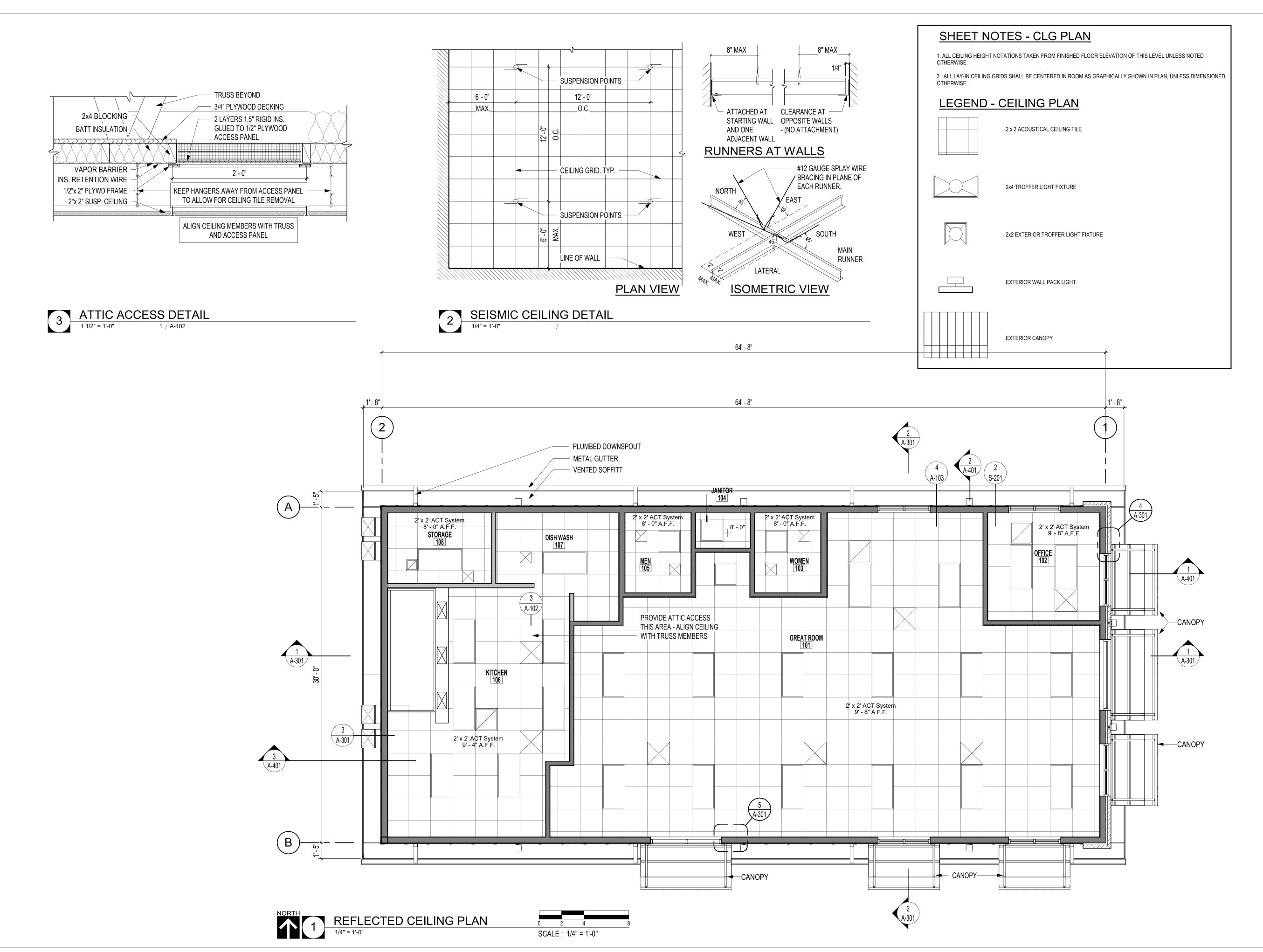
DATE

07/09/21

CONTENTS

FLOOR PLAN AND SCHEDULES

SHEET NUMBER



SASN.

OF MAMMOTH SPRING

LL237

REGISTERED

ARCHITEOTS

RESISTERED

ARCHITEOTS

COOPER MIXON
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phone 870.336.0536 www.coopermixon.com

67/19/21

DOCUMENTS
PROJECT NO.

2114
PROJECT NAME

PROJECT NAME

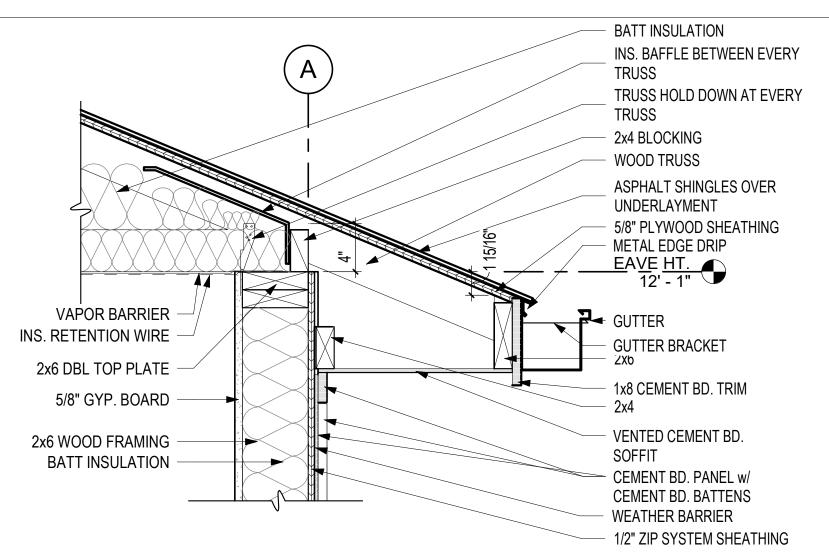
NEW SENIOR CENTER

DATE

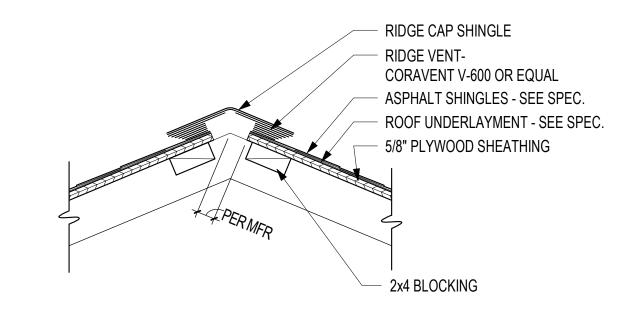
07/09/21 CONTENTS

REFLECTED CEILING PLAN

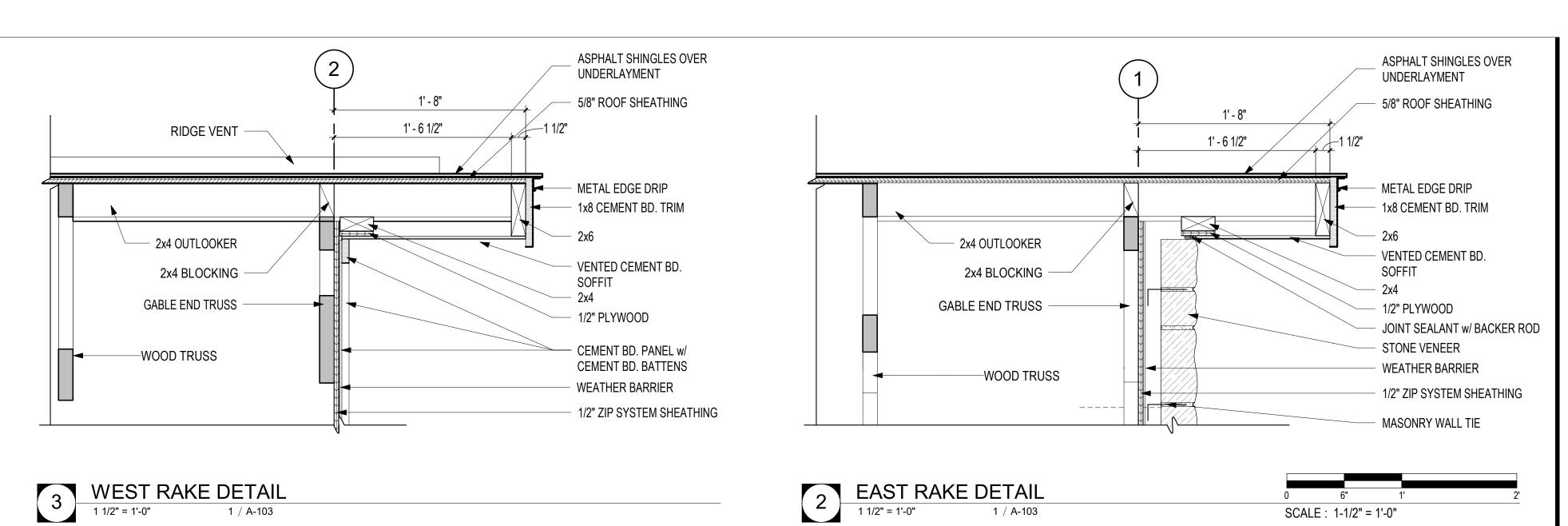
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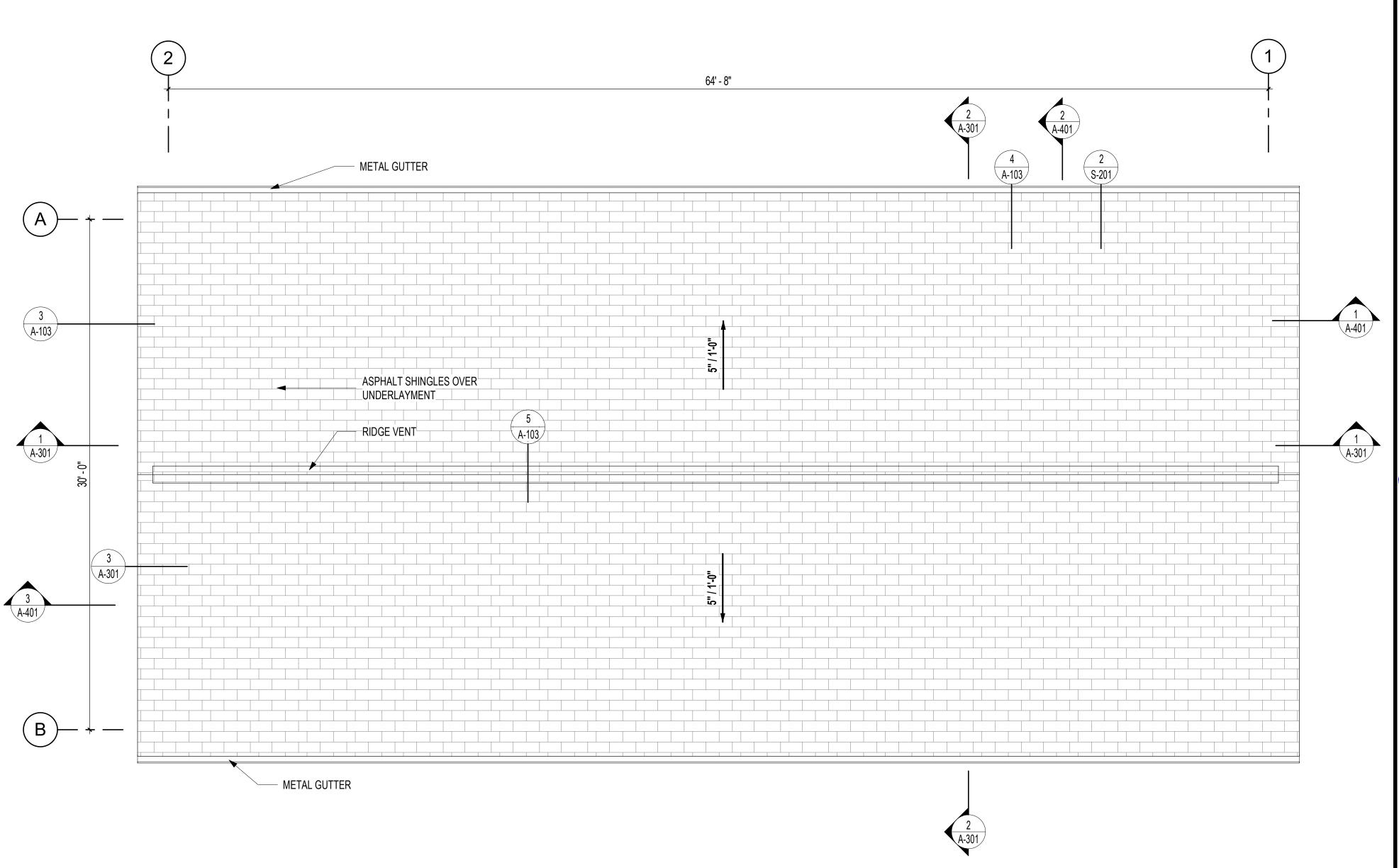






5 RIDGE VENT AT ASPHALT SHINGLES
1 1/2" = 1'-0" 1 / A-103









NEW SENIOR CENTER AMMOTH SPRING

CITY OF MAMMOTH

REGISTERED ARCHITEGES

OTINO9/21

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phone 870.336.0536 www.coopermixon.com

CONSTRUCTION
DOCUMENTS

PROJECT NO.

PROJECT NAME

NEW SENIOR CENTER

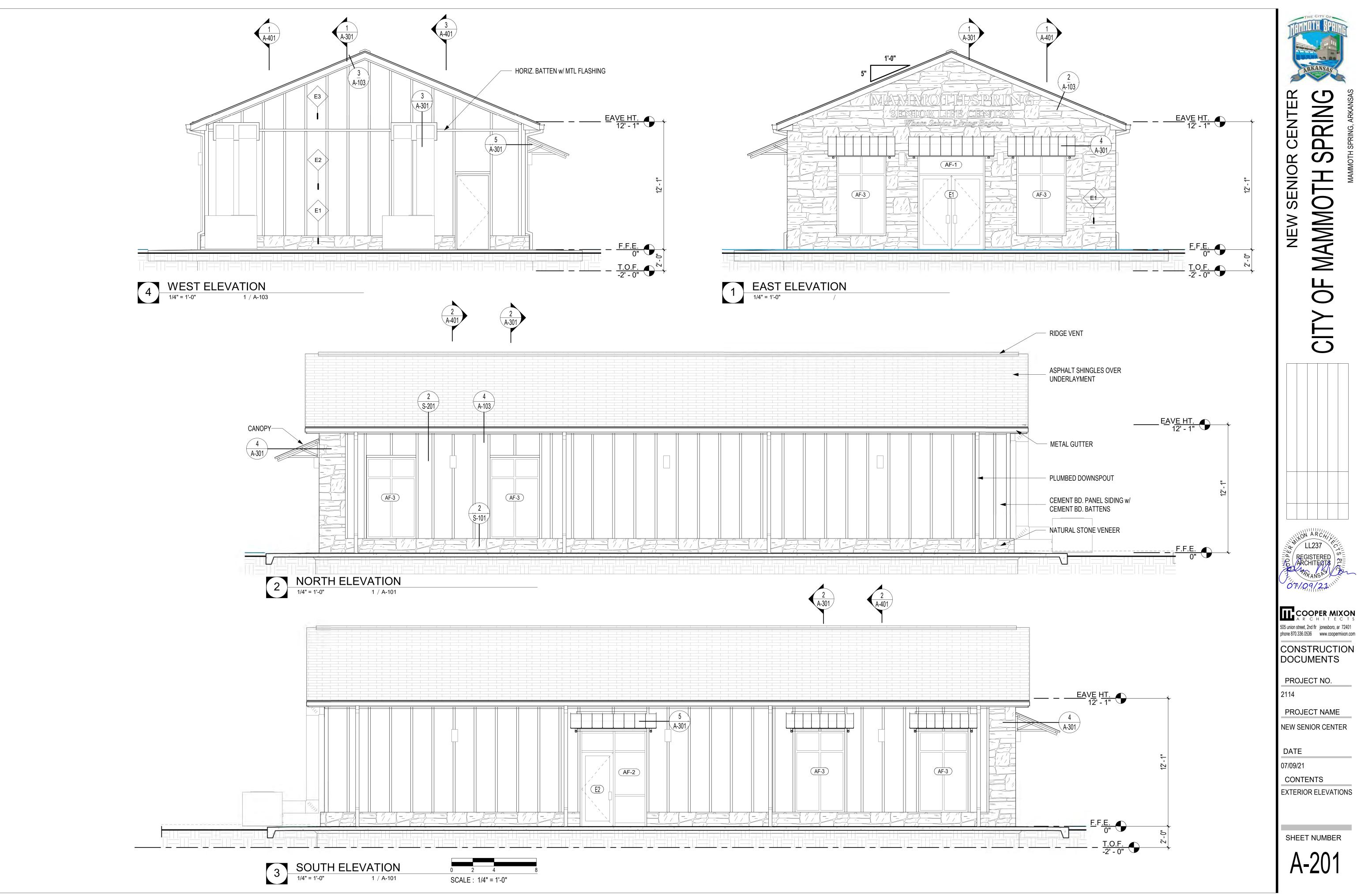
DATE

07/09/21

CONTENTS

ROOF PLAN

SHEET NUMBER



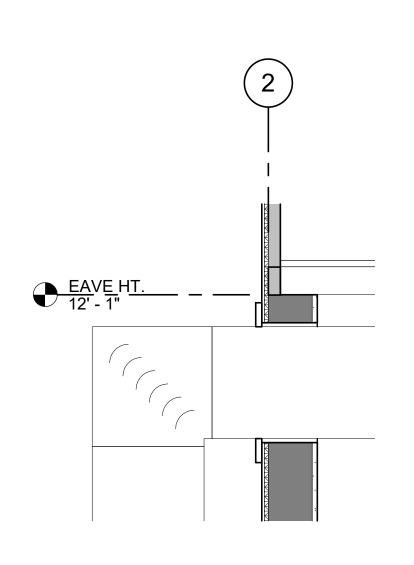
SPRING CITY OF MAMMOTH

COOPER MIXON
ARCHITECTS 505 union street, 2nd flr jonesboro, ar 72401 phone 870.336.0536 www.coopermixon.com

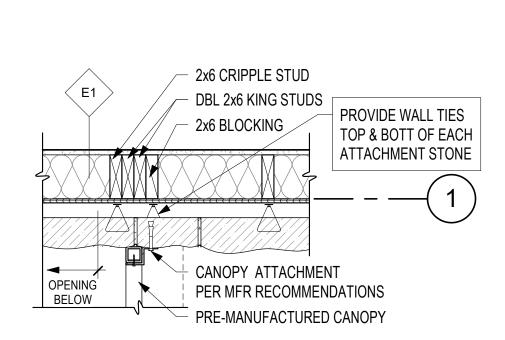
PROJECT NAME

NEW SENIOR CENTER

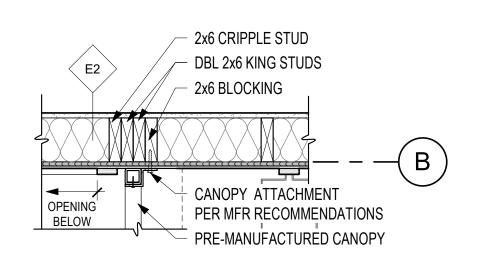
CONTENTS



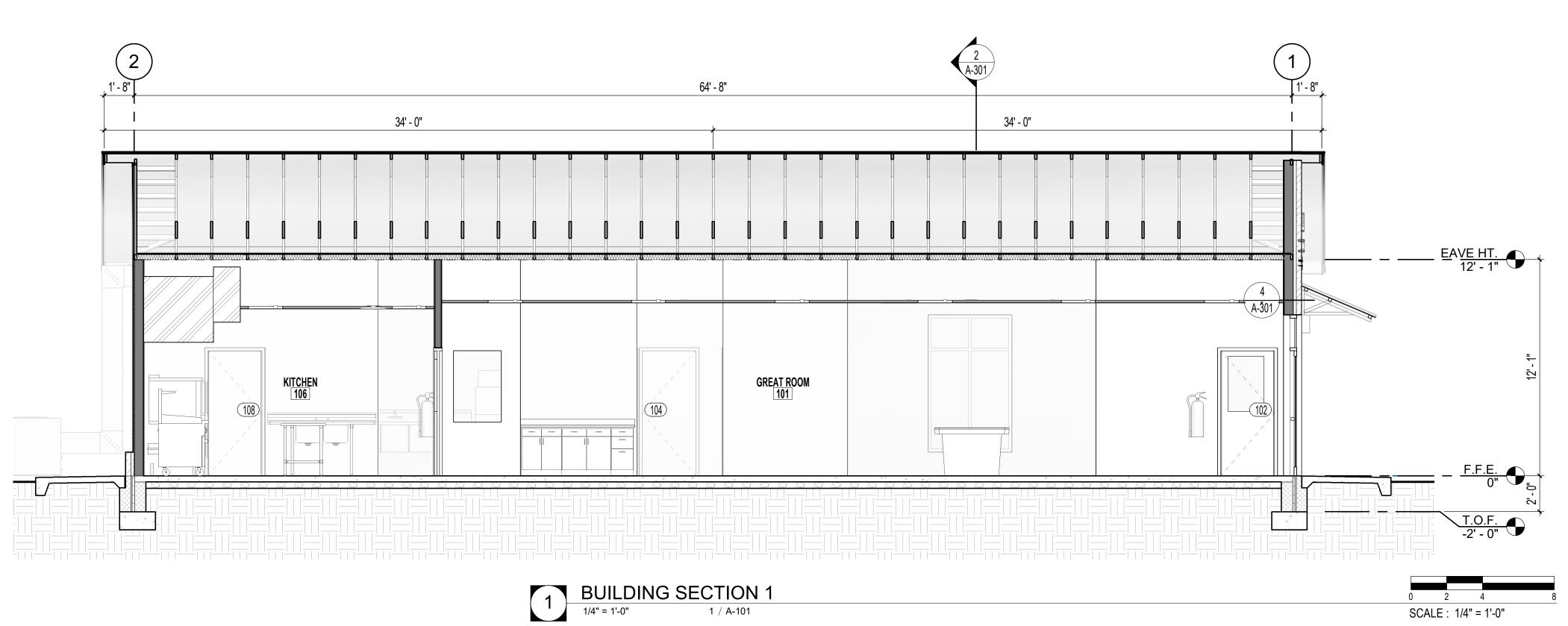


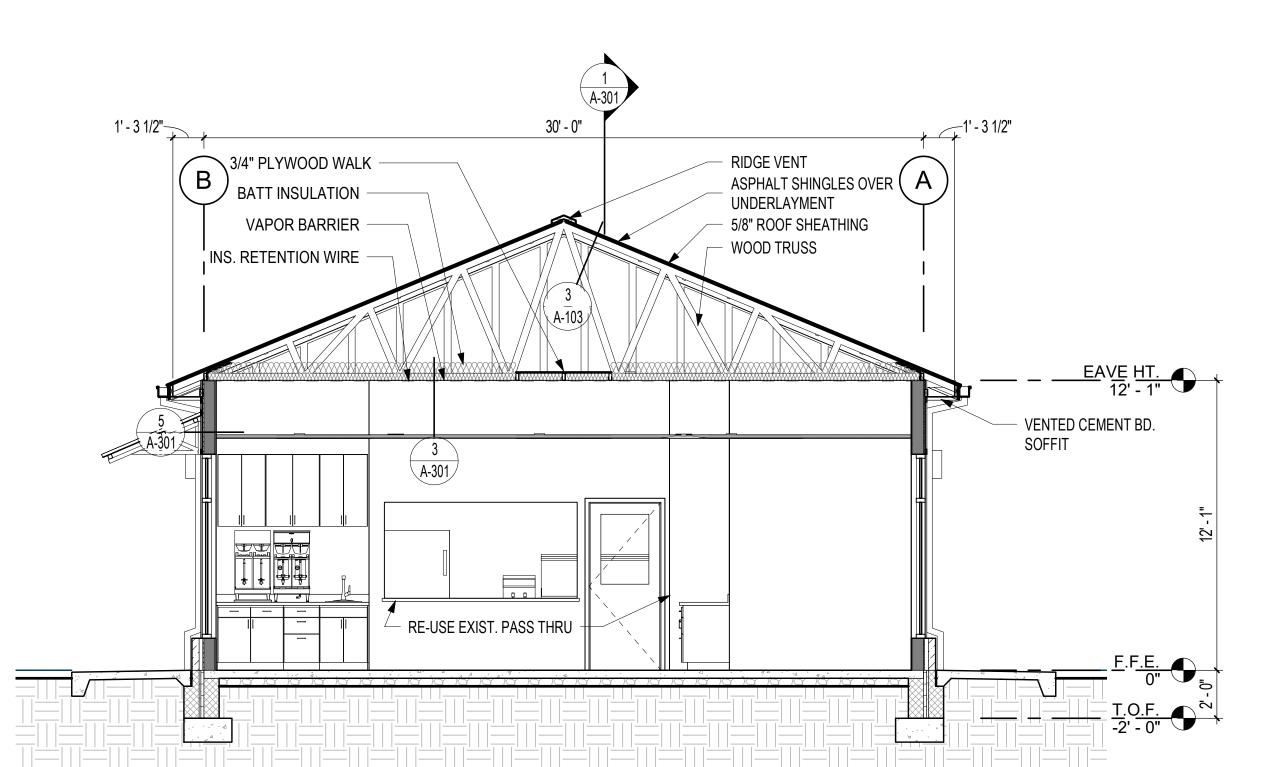




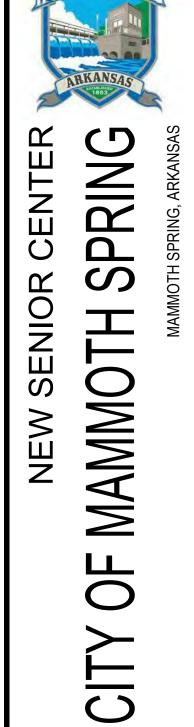












LL237
REGISTERED ARCHITEOTS

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PROJECT NO.

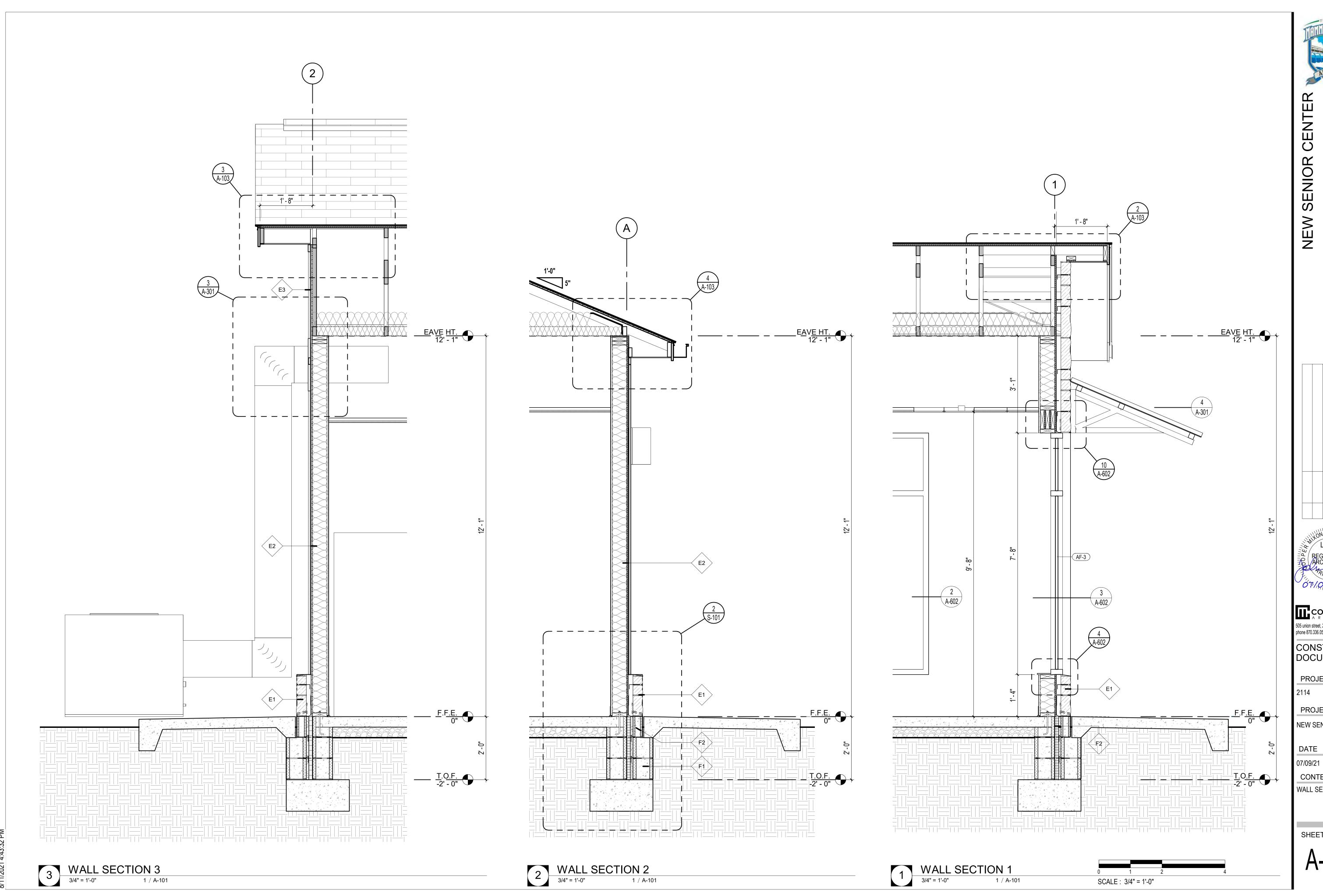
PROJECT NAME

NEW SENIOR CENTER

DATE 07/09/21

CONTENTS
BUILDING SECTIONS

SHEET NUMBER



SPRING CITY OF MAMMOTH

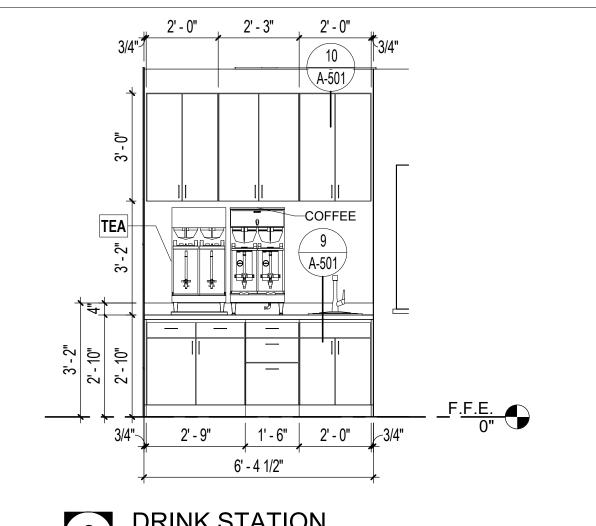
COOPER MIXON
A R C H I T E C T S 505 union street, 2nd flr jonesboro, ar 72401 phone 870.336.0536 www.coopermixon.com CONSTRUCTION DOCUMENTS

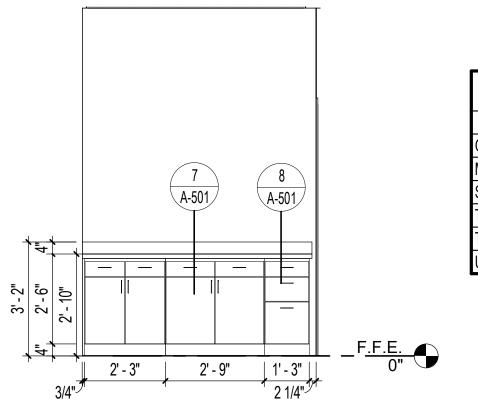
PROJECT NO.

PROJECT NAME

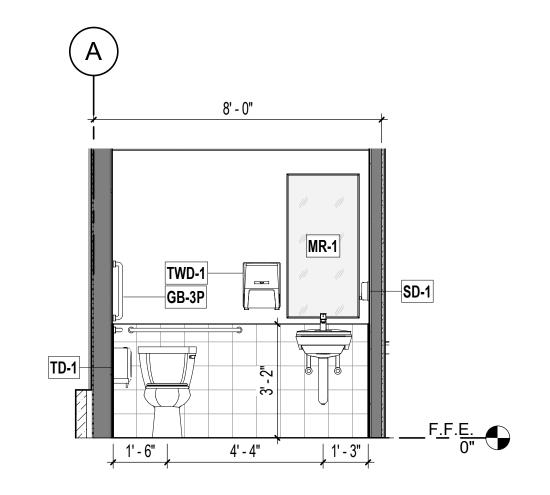
NEW SENIOR CENTER

WALL SECTIONS



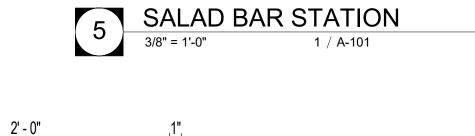


RESTROOM SPECIALTY EQUIPMENT SCHEDULE											
TYPE MARK	DESCRIPTION	MANUFACTURER	MODEL								
GB-3P	ADA GRAB BARS	BOBRICK	B-6806x18,36&42								
MR-1	MIRROR w/ CHANNEL FRAME	BOBRICK	B-165 2448								
SD-1	SOAP DISPENSER	BOBRICK	B-4112								
TD-1	TWIN JUMBO ROLL TOILET TISSUE DISPENSER	BOBRICK	B-2892								
TWD-1	PAPER TOWEL ROLL DISPENSER	BOBRICK	B-72860								
US-1	UTILITY SHELF w/ MOP HOLDERS	BOBRICK	B-239								





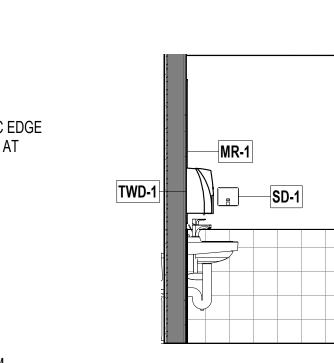


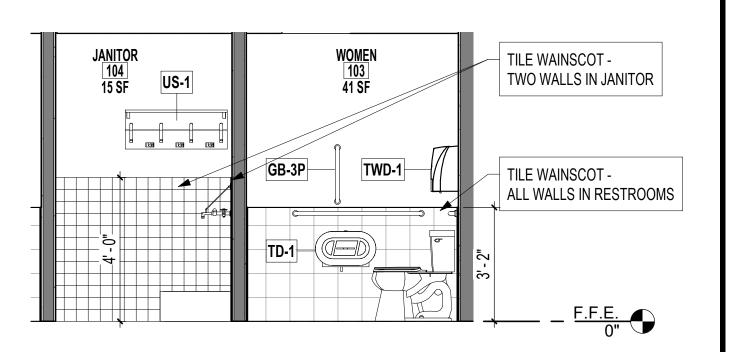


1/2" PARTICLE BD. DRAWER BODIES w/ MELAMINE

HARDWOOD FRAME w/ LAM. FACE

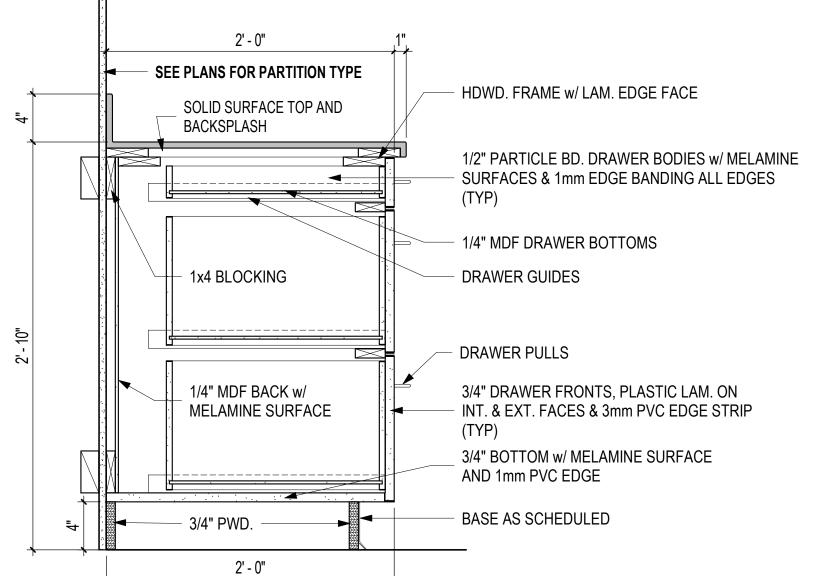
SURFACES & 1mm EDGE BANDING ALL EDGES (TYP)

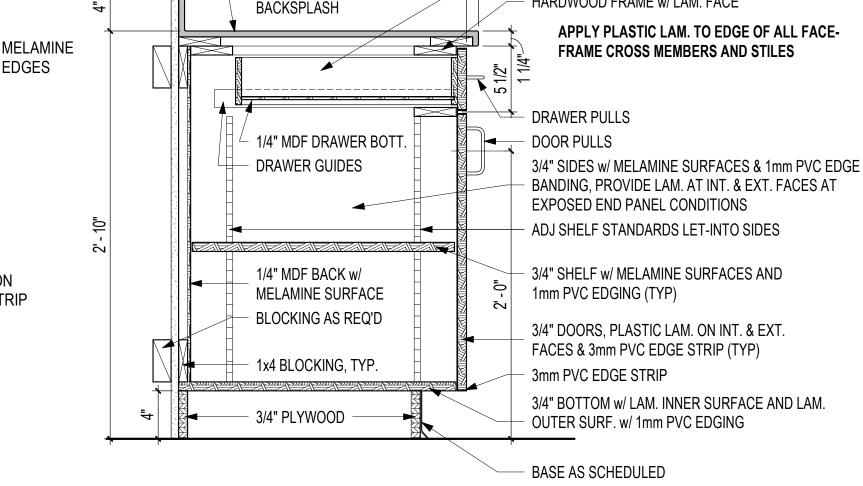






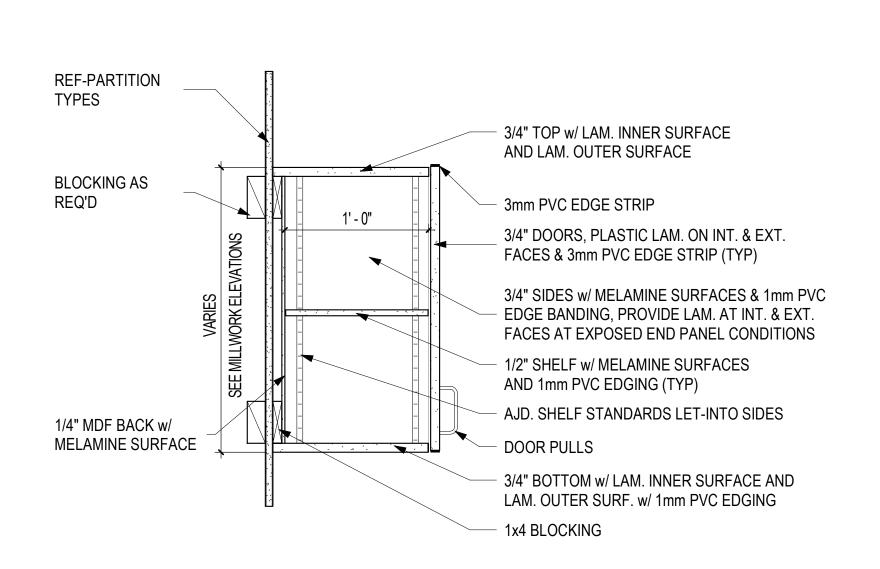






SEE PLANS FOR PARTITION TYPE

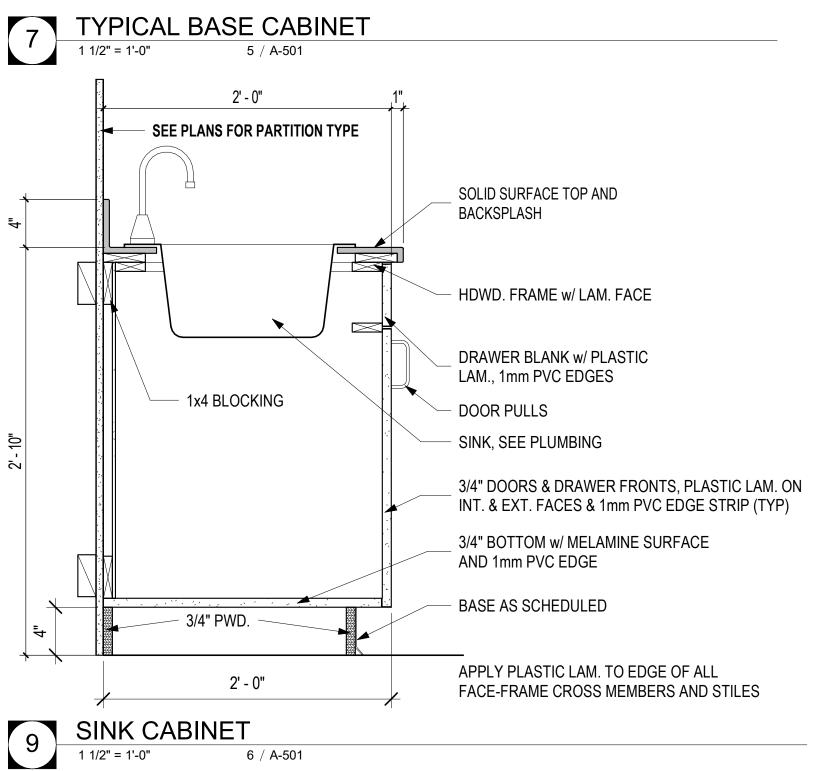
SOLID SURFACE TOP AND

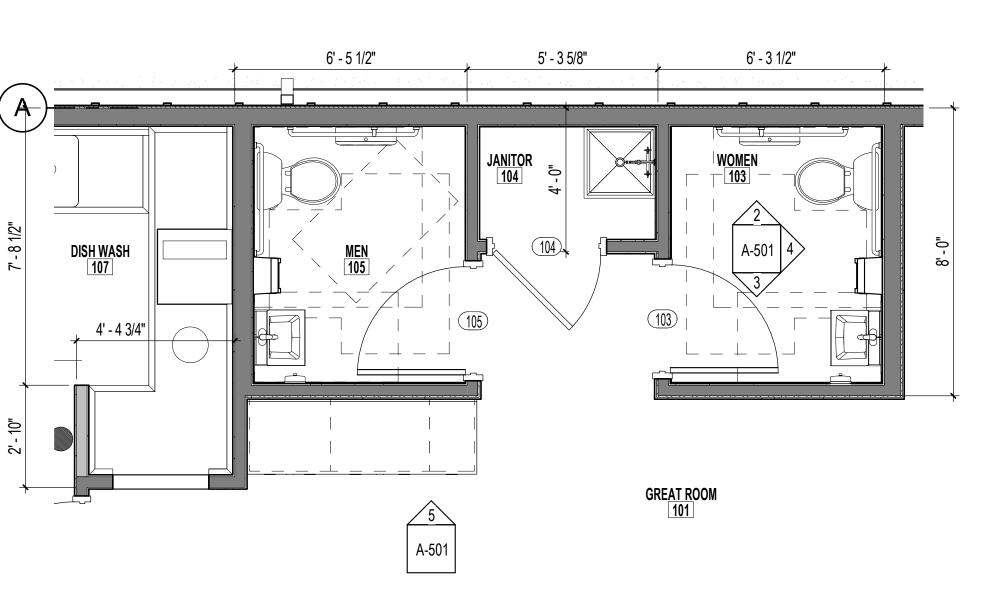


TYPICAL UPPER CABINET

1 1/2" = 1'-0"

BASE CABINET - 2 LATERAL FILES + 1 DRAWER







1 ENLARGED TOILET PLAN

SHEET NUMBER

LL237

67/199/21

COOPER MIXON

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phone 870.336.0536 www.coopermixon.com

CONSTRUCTION

DOCUMENTS

PROJECT NO.

PROJECT NAME

NEW SENIOR CENTER

DATE

07/09/21

CONTENTS

MILLWORK

ENLARGED TOILET

PLANS & ELEVATIONS,

ELEVATIONS & DETAILS

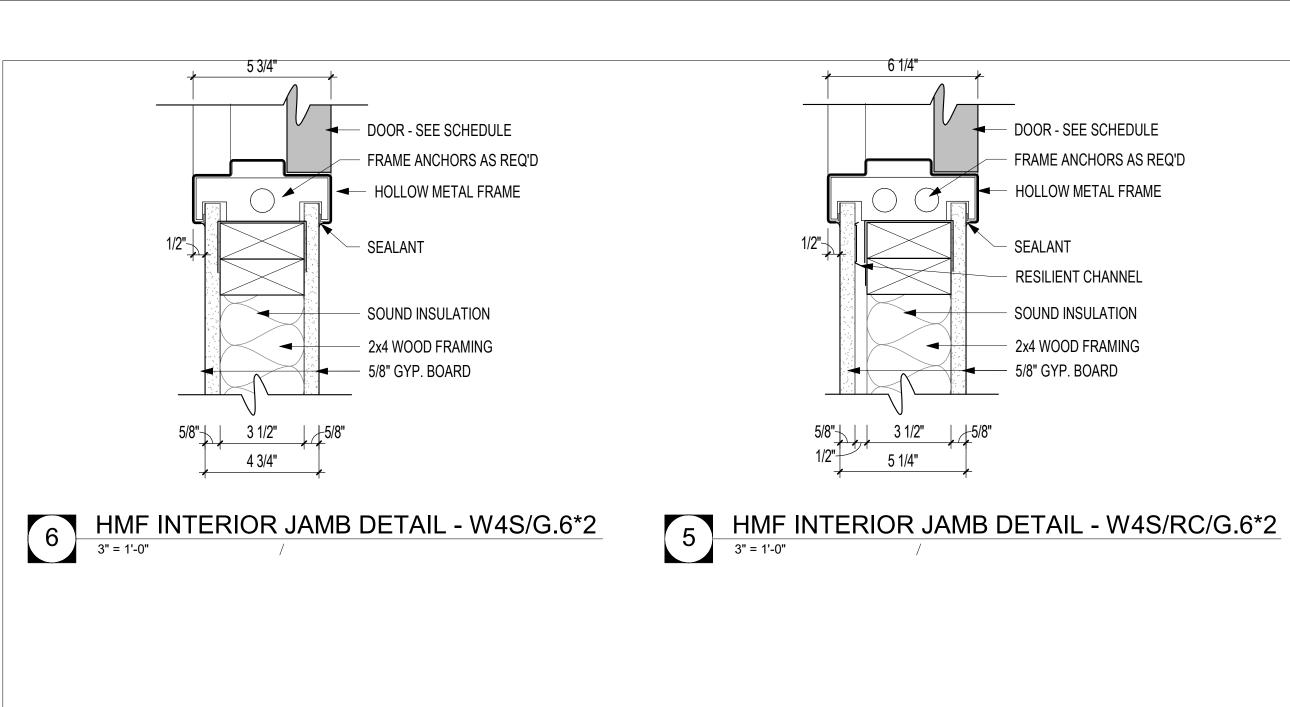
RING

OF MAMMO

CENTER

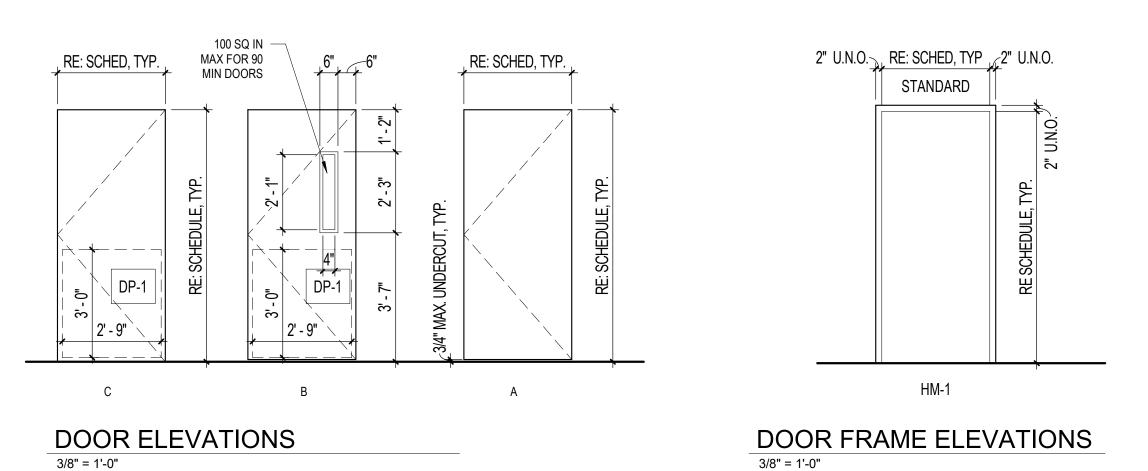
SENIOR

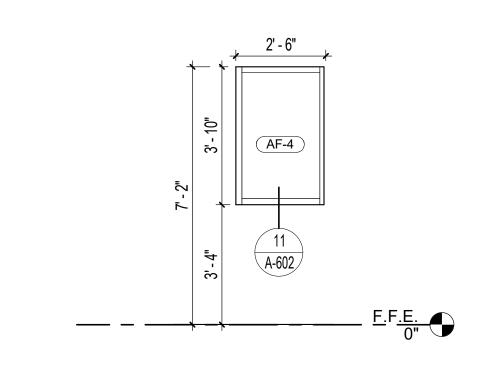
NEW

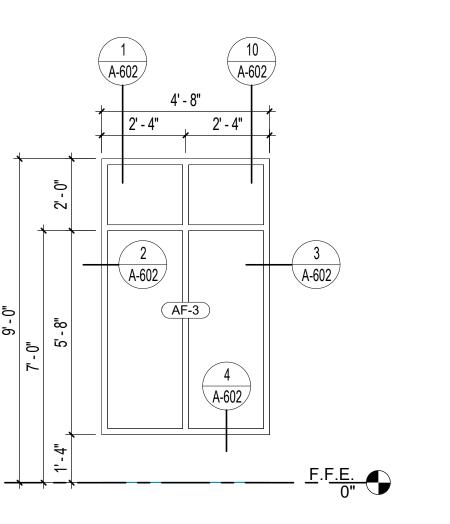


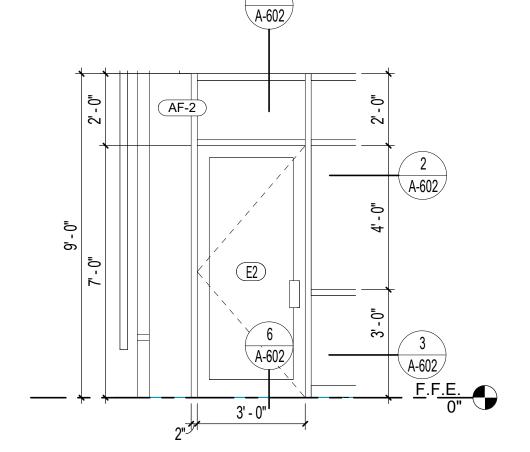
			DOOR				FRAME		F	FRAME DETAI	LS				
OOR	OPENII	NG SIZE	DOOR	DOOR	DOOR	FRAME	FRAME	FRAME	HEAD	JAMB		HDW	FIRE		
NO.	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	DETAIL	DETAIL	SILL DETAIL	SET	RATING		REMARKS
					-						•				
E1	6' - 0"	7' - 0"	AF-1	ALUM / GLASS	AS SELECTED	AF-1	ALUMINIUM	AS SELECTED	10 / A-602	3 / A-602	5 / A-602	1	N/A		
E2	3' - 0"	7' - 0"	AF-2	ALUM / GLASS	AS SELECTED	AF-2	ALUMINIUM	AS SELECTED	1 / A-602	2 & 3 / A-602	5 / A-602	1	N/A		
E3	3' - 0"	7' - 0"	С	HM	FACTORY	HM-1	HM	PAINT	7 / A-602	8 & 9 / A-602	5 / A-602 SIM.	2	N/A	DOOR PROTECTION ON PUSH SIDE	
			1			-				1		'			

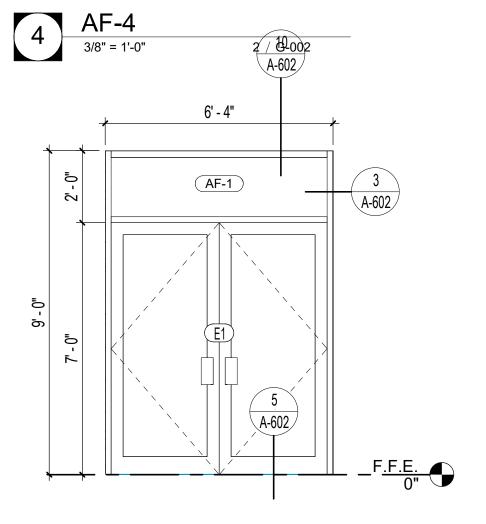
									DO	OR SCHEDUL	E - INTI	ERIOR	
			DOOR				FRAME		FRAME [DETAILS			
DOOR	OPENIN	NG SIZE	DOOR	DOOR	DOOR	FRAME	FRAME	FRAME	HEAD	JAMB	HDW	FIRE	
NO.	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	DETAIL	DETAIL	SET	RATING	REMARKS
102	3' - 0"	7' - 0"	В	WD	STAINED	HM-1	MTL	PTD	5 / A-601 SIM.	5 / A-601	4	N/A	
103	3' - 0"	7' - 0"	Α	WD	STAINED	HM-1	MTL	PTD	5 / A-601 SIM.	5 / A-601	3	N/A	
104	3' - 0"	7' - 0"	Α	WD	STAINED	HM-1	MTL	PTD	6 / A-601 SIM.	6 / A-601	5	N/A	
105	3' - 0"	7' - 0"	Α	WD	STAINED	HM-1	MTL	PTD	5 / A-601 SIM.	5 / A-601	3	N/A	
106	3' - 0"	7' - 0"	В	WD	STAINED	HM-1	MTL	PTD	6 / A-601 SIM.	6 / A-601	6	N/A	DOOR PROTECTION ON PUSH SIDE
108	3' - 0"	7' - 0"	Α	WD	STAINED	HM-1	MTL	PTD	6 / A-601 SIM.	6 / A-601	5	N/A	











2	AF-2
	3/8" = 1'-0"







PRING

67/109/21 COOPER MIXON
A R C H I T E C T S

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PROJECT NO.

PROJECT NAME NEW SENIOR CENTER

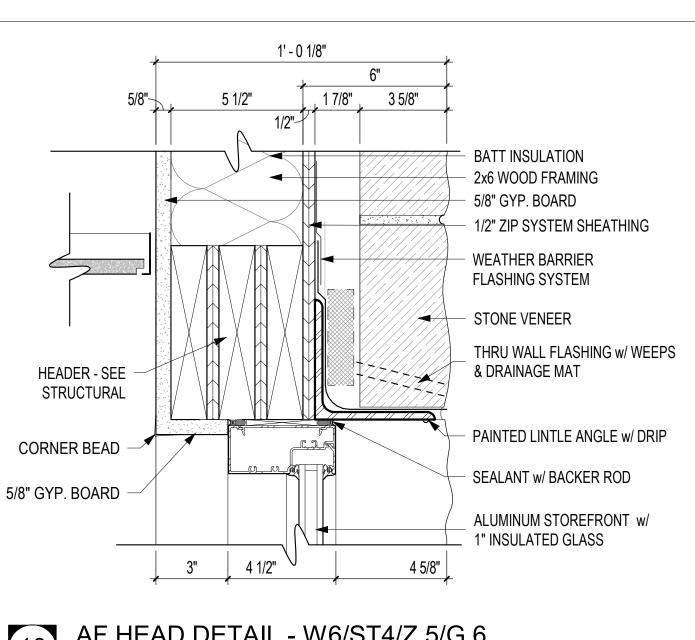
DATE 07/09/21

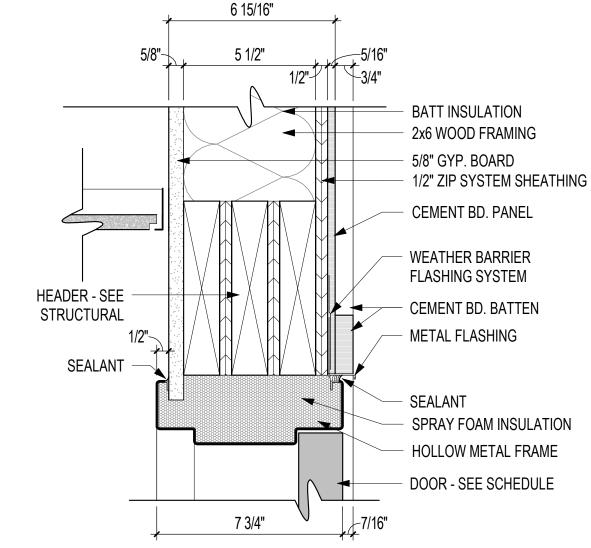
CONTENTS DOOR SCHEDULE, DOOR & FRAME ELEVATIONS, ALUM. FRAME ELEVATIONS

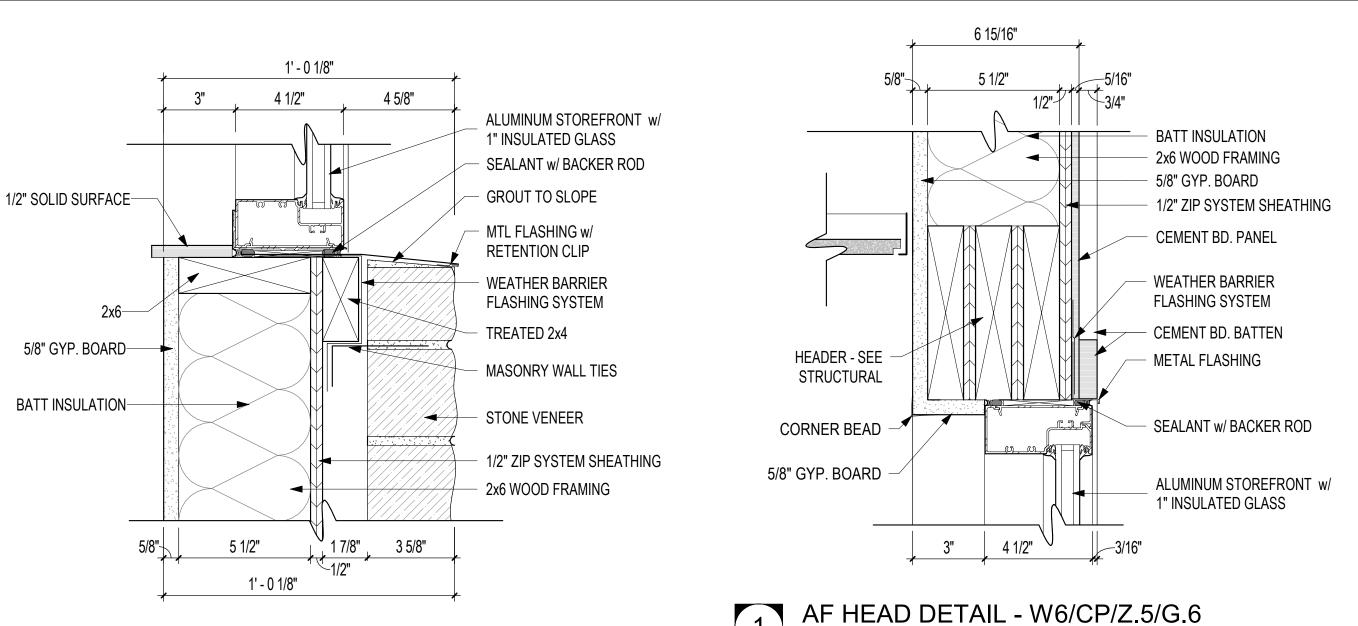
SHEET NUMBER

A-601

3 AF-3
3/8" = 1'-0"









4 1/2"

INTERIOR ALUMINUM

RESILIENT CHANNEL

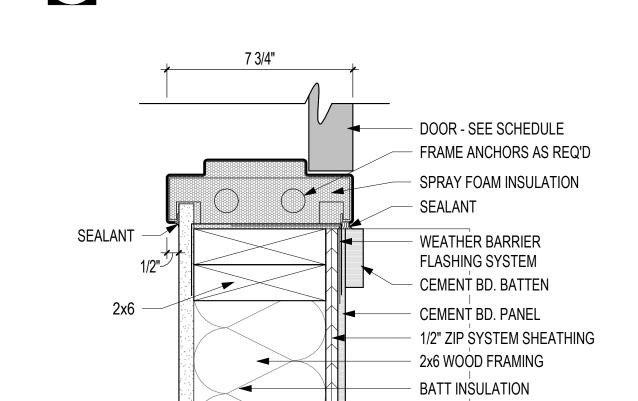
SOUND INSULATION

2x4 WOOD FRAMING

— 5/8" GYP. BOARD

STOREFRONT

SEALANT



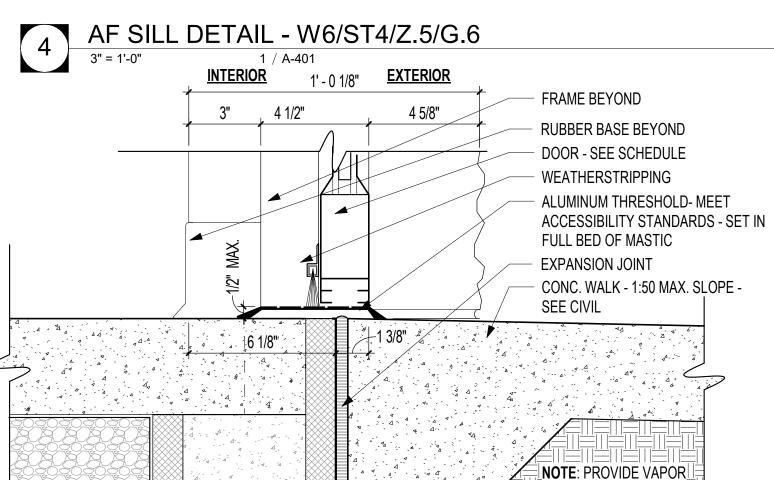
5/8" GYP. BOARD

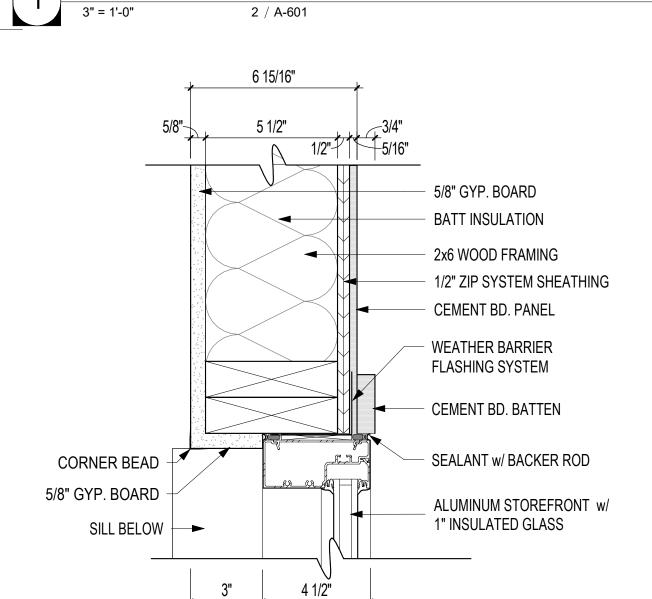
- METAL FLASHING

BELOW

5 3/16"

HMF HEAD DETAIL - W6/CP/Z.5/G.6



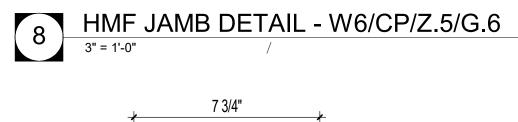


2 AF JAMB DETAIL - W6/CP/Z.5/G.6
3" = 1'-0" 1 / A-401



5/8" 3 1/2" 5/8" 1/2" 5 1/4"

5 1/4"

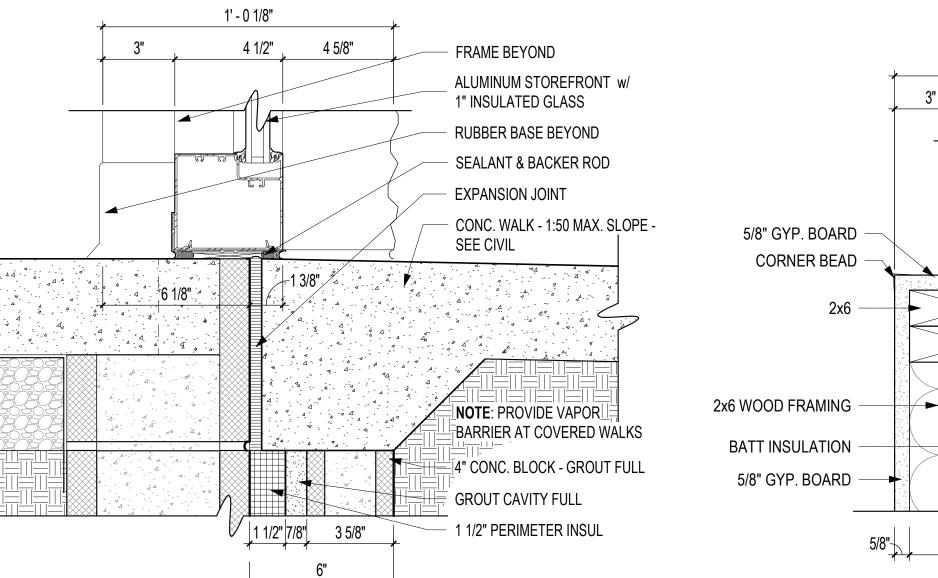


1' - 0 1/8"

5 1/2" V

6 15/16"



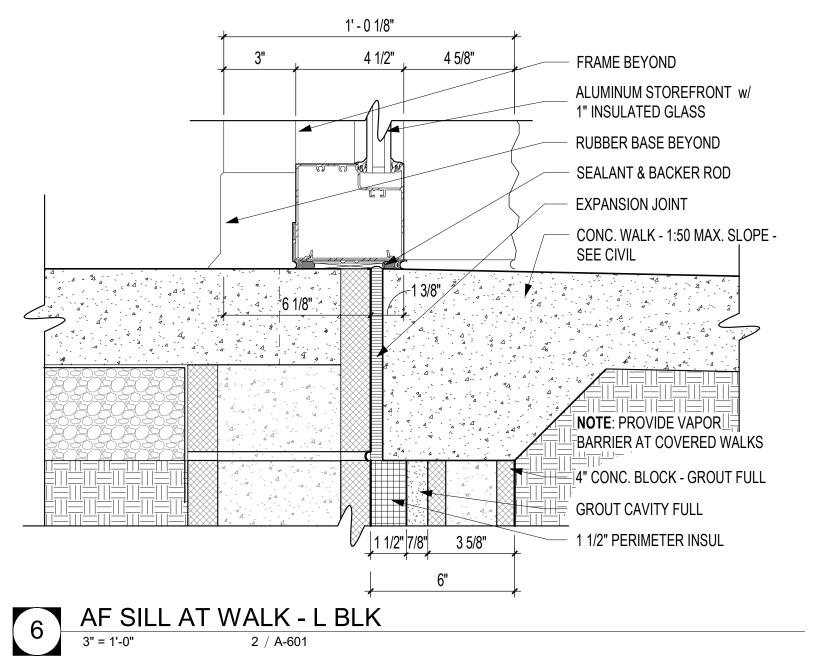


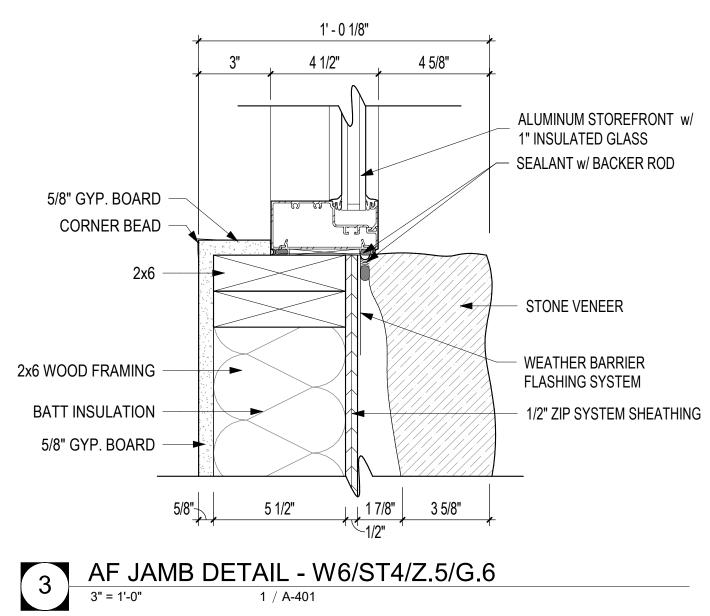
BARRIER AT COVERED WALKS

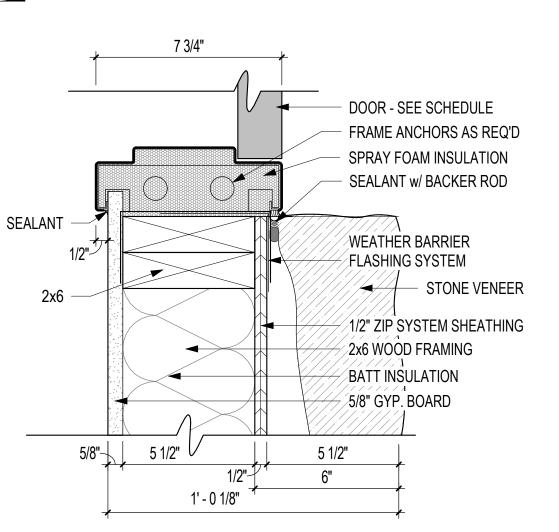
4" CONC. BLOCK - GROUT FULL

GROUT CAVITY FULL

— 1 1/2" PERIMETER INSUL









9 HMF JAMB DETAIL - W6/ST4/Z.5/G.6
3" = 1'-0"

REGISTERED ARCHITEOTS 67/19/21 COOPER MIXON

CENTER

2

SENIOI

NEW

RING

Q

OF MAMMOTH

505 union street, 2nd flr jonesboro, ar 72401 phone 870.336.0536 www.coopermixon.com CONSTRUCTION

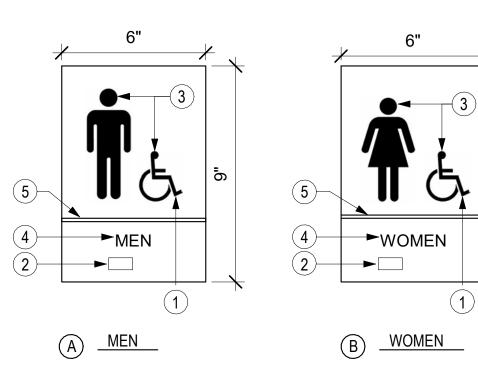
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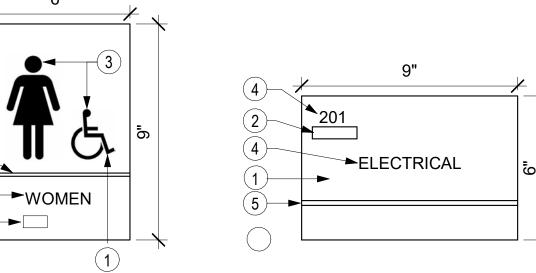
PROJECT NAME

NEW SENIOR CENTER DATE

07/09/21 CONTENTS DOOR AND WINDOW DETAILS

SHEET NUMBER

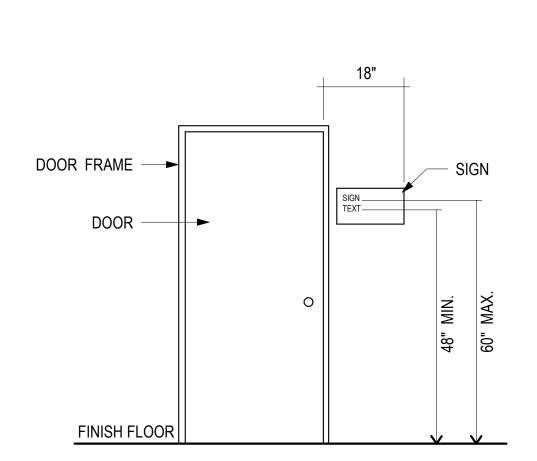


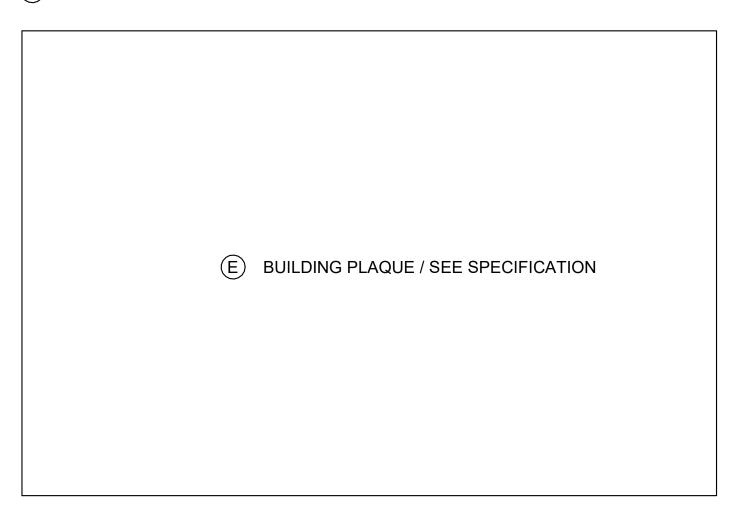


OTHER SPACES

KEYED SIGN NOTES:

- 1) 1/8" CAST ACRYLIC PLAQUE WITH MATTE FINISH, SUBSURFACE PAINTED, COLOR AS SELECTED BY ARCHITECT
- 2 GRADE 2 BRAILLE RAISED
 ABOVE THE SURFACE OF THE PLAQUE
 SURFACE APPLIED TAPES ARE
 NOT ACCEPTABLE.
- ③ PICTOGRAPH RAISED 1/32" TO COMPLY WITH ADA ALL SIGNS TO COMPLY WITH ADA 2010 SEC. 703
- 4 5/8" TALL LETTERING RAISED 1/32" FONT: HELVETICA
- 5 1/8" X 1/32" RAISED ACCENT STRIP. COLOR AS SELECTED BY ARCHITECT





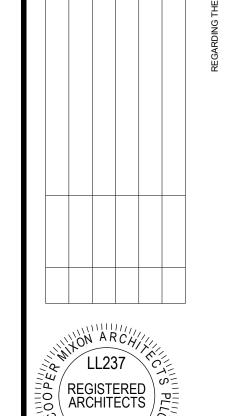
TYPICAL MOUNTING HEIGHT



ROOM								
NO.	ROOM NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	CEILING
		1	1					
101	GREAT ROOM	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1
102	OFFICE	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1
103	WOMEN	PT-1	PTB-1	PTW-1 / P-1	P-1	P-1	P-1	ACT-1
103	GAME ROOM	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1
104	JANITOR	EP-1	EP-1	FRP-1	FRP-1	FRP-1	FRP-1	ACT-2
105	MEN	PT-1	PTB-1	PTW-1 / P-1	P-1	P-1	P-1	ACT-1
106	KITCHEN	EP-1	EP-1	FRP-1	FRP-1	FRP-1	FRP-1	ACT-2
107	DISH WASH	EP-1	EP-1	FRP-1	FRP-1	FRP-1	FRP-1	ACT-2
108	STORAGE	EP-1	EP-1	FRP-1	FRP-1	FRP-1	FRP-1	ACT-2

			FIN	NISH LEGEND	
KEY NAME	MANUFACTURER	COLOR NAME / NUMBER	PATTERN	DESCRIPTION	LOCATION / NOTES
FLOOR					
LVT-1	MOHAWK	LIVING LOCAL	6X48	LUXURY VINYL TILE	GREAT ROOM, OFFICE AND STORAGE
PT-1	STONEPEAK	HIGHLAND	12X24	PORCELAIN TILE	MEN, WOMEN
EP-1	TNEMIC	AS SELECTED	AS SELECTED	EPOXY FLOORING W/ INTEGRAL BASE	JANITOR, KITCHEN, DISH WASH, AND STORAGE
BASE			1		
RB-1	MOHAWK	ELEMENT EDGES	4"	RESILIENT BASE	GREAT ROOM, OFFICE
PTB-1	STONEPEAK	HIGHLAND	6X24	EPOXY BATHROOM	MEN, WOMEN
WALL	-		•		
P-1	SEE SPEC	AS SELECTED	AS SELECTED	PAINTED GWB	GREAT ROOM, OFFICE, MEN, WOMEN, STORAGI
PTW-1	STONEPEAK	HIGHLAND	12X24	PORCELAIN TILE	MEN, WOMEN
FRP-1	PANOLAM	AS SELECTED	AS SELECTED	FIBERGLASS REINFORCED PANELS	KITCHEN, JANITOR
CEILING	1	1			
ACT-1	ARMSTRONG	SCHOOL ZONE	24X24	ACOUSTICAL CEILING TILE	GREAT ROOM, OFFICE, MEN, WOMEN
ACT-2	ARMSTRONG	KITCHEN ZONE	24X24	ACOUSTICAL CEILING TILE	JANITOR, KITCHEN, DISH WASH, AND STORAGE
MISC	'	1	•		-
CG-1	SEE SPEC	SEE SPEC	SEE SPEC	CORNER GUARD	SEE FLOOR PLAN
DP-1	SEE SPEC	SEE SPEC	36X33	DOOR PROTECTION	PUSH SIDE OF DOOR





Solution street, 2nd flr jonesboro, ar 72401 phone 870.336.0536 www.coopermixon.com

CONSTRUCTION

DOCUMENTS
PROJECT NO.

PROJECT NAME

NEW SENIOR CENTER

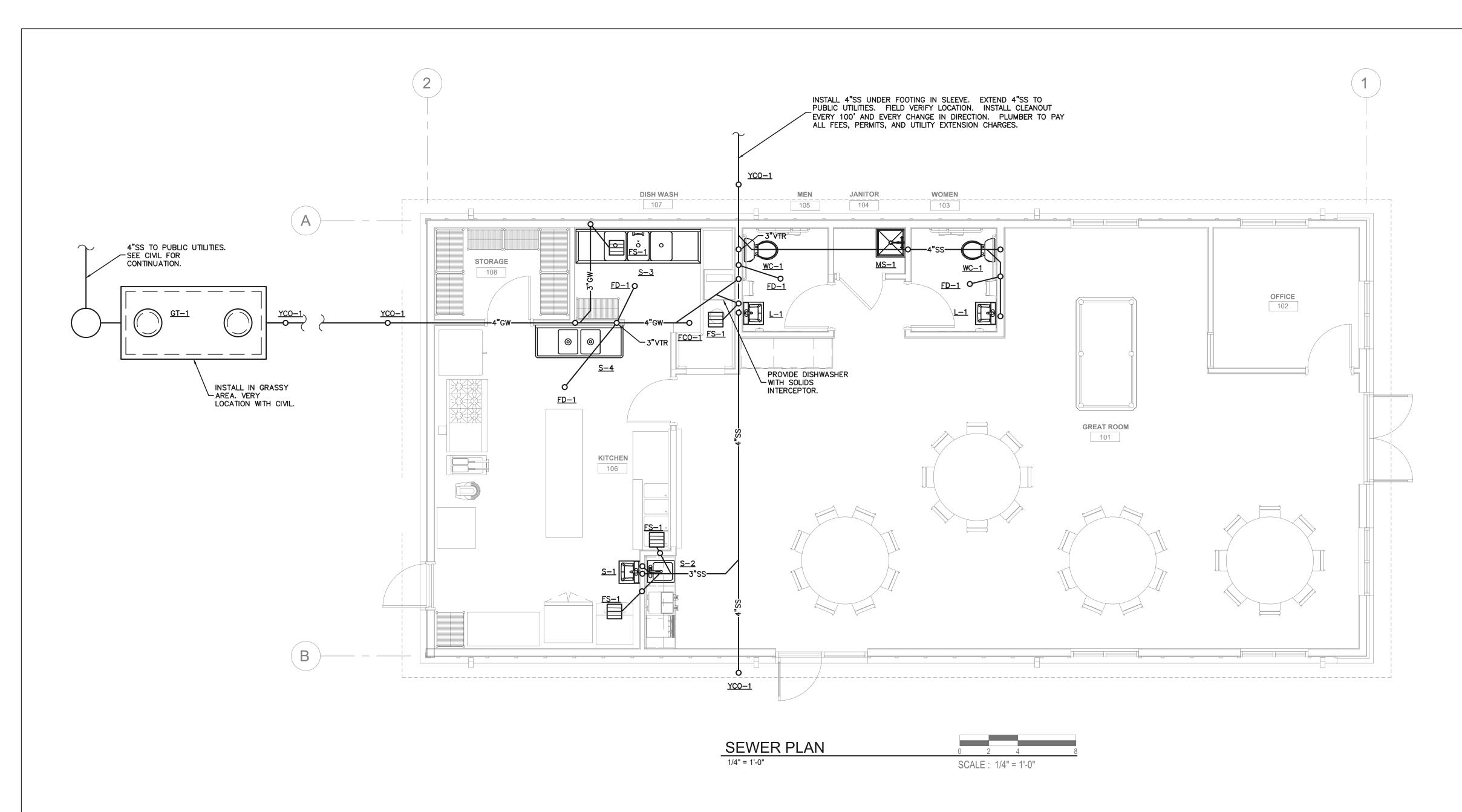
DATE

07/09/21

CONTENTS

ROOM FINISH
SCHEDULE, FINISH
LEGEND, SIGNAGE
LEGEND

SHEET NUMBER



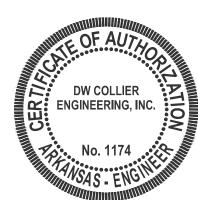
GENERAL NOTES:

- ALL WATER CLOSETS SHALL RECEIVE A 2" VENT, ALL OTHERS SHALL RECEIVE 1 1/2" VENT UNLESS OTHERWISE NOTED. COORDINATE VENT THROUGH ROOF (VTR) LOCATIONS WITH ROOFTOP EQUIPMENT AND FRESH AIR INTAKES. MAINTAIN 10' MINIMUM CLEARANCE FROM FRESH AIR INTAKES.
- 2. ALL WATER CLOSETS SHALL RECEIVE A 4"SS CONNECTION, ALL FLOOR DRAINS SHALL RECEIVE A 3"SS CONNECTION, ALL OTHERS SHALL BE 2"SS UNLESS OTHERWISE NOTED.
- ALL FPWH SHALL RECEIVE 3/4"DCW, ALL OTHER FIXTURES SHALL RECEIVE 1/2" UNLESS OTHERWISE SPECIFIED.
 COORDINATE KITCHEN PLUMBING REQUIREMENTS WITH FINAL
- EQUIPMENT SELECTIONS AS PROVIDED BY OWNER. CONNECT EQUIPMENT TO PLUMBING LINES AS REQUIRED.

 5. SANITARY VENT AND GREASE VENT SYSTEMS SHALL REMAIN SEPARATE.
- 6. VERIFY GREASE SYSTEM INSTALLATION DETAILS WITH AHJ PRIOR TO CONSTRUCTION.

<u>LEGEND</u>
SSSANITARY SEWER
VVENT, VTR(VENT THRU ROOF)
———— G ————NATURAL GAS







DW COLLIER ENGINEERING, INC.
720 BROADWAY STREET SUITE 100
SOUTH FULTON, TN 38257
PH. (731) 479-2115
www.dwcolliereng.com

CE PROJECT NO. 21-090

MOTH SPRING

REGARDING THE SENSITIVE ISSUES OF CONFI

COPER MIXON
A R C H I T E C T S

505 union street, 2nd flr jonesboro, ar 72401

phone 870.336.0536 www.coopermixon.com

CONSTRUCTION

DOCUMENTS

PROJECT NO.

2114

PROJECT NAME

NEW SENIOR CENTER

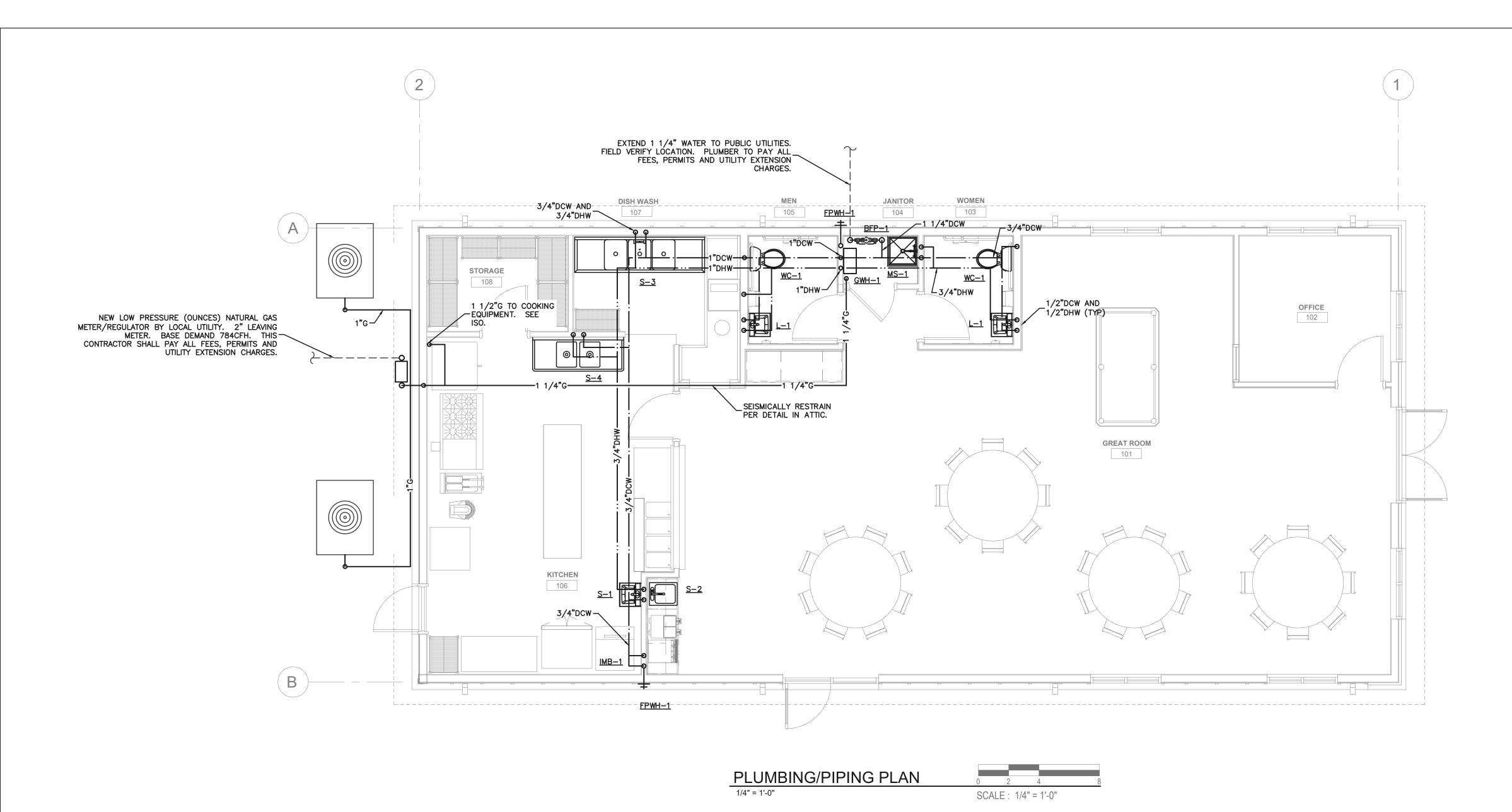
DATE

2021-7-9 CONTENTS

SEWER PLAN

SHEET NUMBER

P-101



GENERAL NOTES:

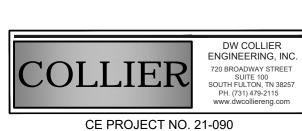
- 1. ALL WATER CLOSETS SHALL RECEIVE A 2" VENT, ALL OTHERS SHALL RECEIVE 1 1/2" VENT UNLESS OTHERWISE NOTED. COORDINATE VENT THROUGH ROOF (VTR) LOCATIONS WITH ROOFTOP EQUIPMENT AND FRESH AIR INTAKES. MAINTAIN 10' MINIMUM CLEARANCE FROM FRESH AIR INTAKES.
- ALL WATER CLOSETS SHALL RECEIVE A 4"SS CONNECTION, ALL FLOOR DRAINS SHALL RECEIVE A 3"SS CONNECTION, ALL OTHERS SHALL BE 2"SS UNLESS OTHERWISE NOTED.
 ALL FPWH SHALL RECEIVE 3/4"DCW, ALL OTHER FIXTURES SHALL
- RECEIVE 1/2" UNLESS OTHERWISE SPECIFIED.
 4. COORDINATE KITCHEN PLUMBING REQUIREMENTS WITH FINAL EQUIPMENT SELECTIONS AS PROVIDED BY OWNER. CONNECT
- EQUIPMENT TO PLUMBING LINES AS REQUIRED.

 5. SANITARY VENT AND GREASE VENT SYSTEMS SHALL REMAIN SEPARATE.
- 6. VERIFY GREASE SYSTEM INSTALLATION DETAILS WITH AHJ PRIOR TO CONSTRUCTION.

LEGEND
SS SANITARY SEWER
VVENT, VTR(VENT THRU ROOF)
——·——DCW ——·——DOMESTIC COLD WATER
——··——DHW ——··——DOMESTIC HOT WATER
————G ———NATURAL GAS









OTH SPRIM

CITY OF MAMMOT

COOPER MIXON
A R C H I T E C T S

505 union street, 2nd flr jonesboro, ar 72401

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CONSTRUCTION

DOCUMENTS

PROJECT NO.

PROJECT NAME

NEW SENIOR CENTER

DATE 2021-7-9

CONTENTS

PLUMBING/PIPING PLAN

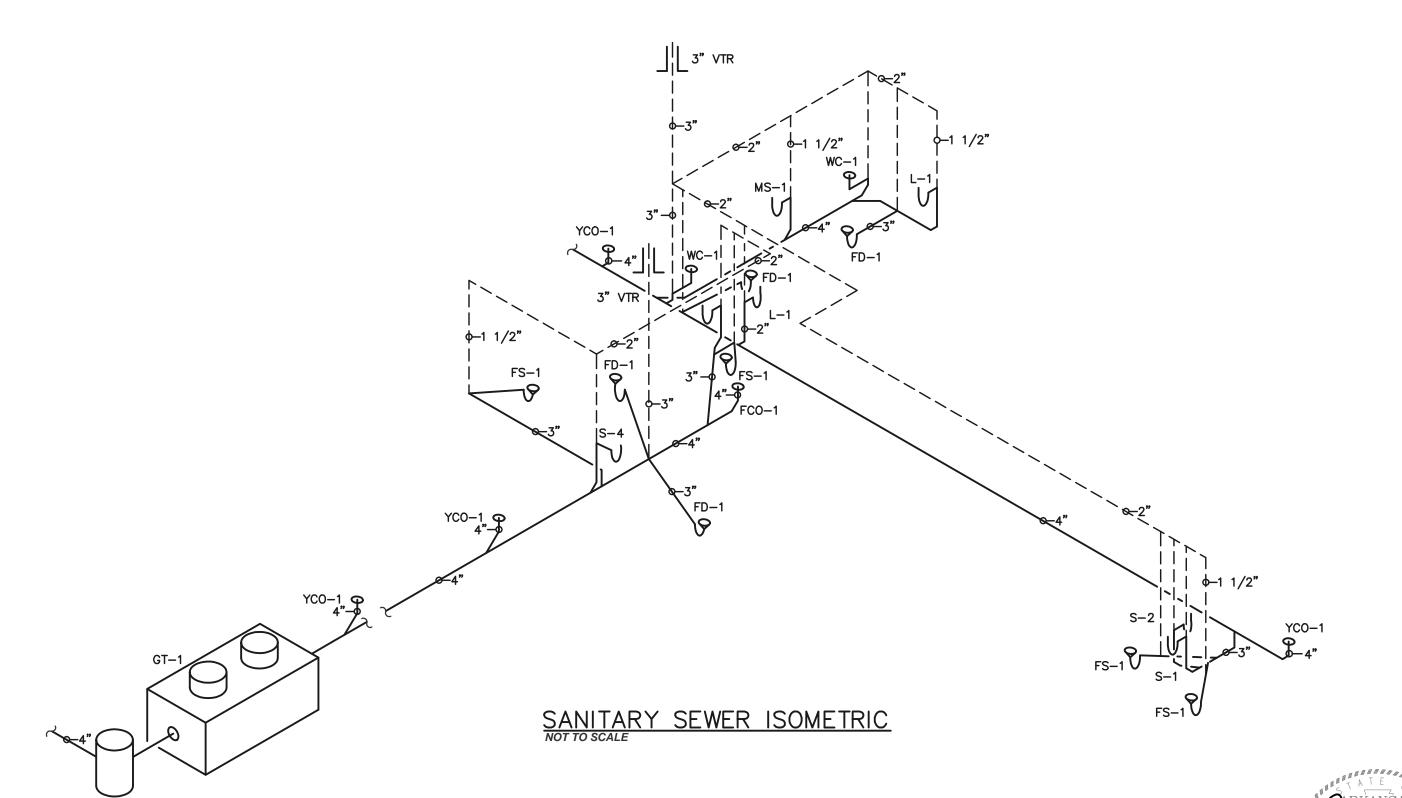
SHEET NUMBER

P-102

GENERAL PLUMBING NOTES:

- . ALL WORK SHALL BE EXECUTED AND INSPECTED IN ACCORDANCE WITH ALL LOCAL OR STATE CODES, LAWS, ORDINANCES, RULES AND REGULATIONS APPLICABLE TO THE PARTICULAR CLASS OF WORK. IF, TO THE KNOWLEDGE OF THE CONTRACTOR, THE DRAWINGS AND SPECIFICATIONS ARE IN CONFLICT WITH THE ABOVE, HE SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT ANY NECESSARY CHANGES CAN BE PROVIDED FOR IN HIS CONTRACT. IF THE CONTRACTOR PERFORMS ANY WORK WITHOUT NOTICE AS REQUIRED, HE SHALL BEAR ALL COSTS OF CORRECTIVE ACTION.
- THE CONTRACTOR SHALL INCLUDE IN HIS QUOTATION ALL APPLICABLE SERVICE CHARGES, FEES, PERMITS, ROYALTIES, AND OTHER SIMILAR COSTS IN CONNECTION WITH THE WORK. OBTAIN PERMITS, AND REQUEST INSPECTIONS FROM AUTHORITY HAVING JURISDICTION.
- INSTALL WORK IN LOCATIONS SHOWN ON DRAWINGS, UNLESS PREVENTED BY PROJECT CONDITIONS. FOR PURPOSES OF CLEARNESS AND LEGIBILITY, DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC, AND ALTHOUGH SIZE AND LOCATION OF EQUIPMENT ARE DRAWN TO SCALE WHENEVER POSSIBLE, THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND SHALL VERIFY THIS INFORMATION AT THE SITE.
- THE DRAWINGS INDICATE REQUIRED SIZE AND POINTS OF TERMINATION OF PIPES AND DUCTS, AND SUGGEST PROPER ROUTES OF PIPE TO CONFORM TO STRUCTURE, AVOID OBSTRUCTIONS AND PRESERVE CLEARANCES FROM ELECTRICAL PANELS. PLUMBING LINES SHALL NOT BE RUN DIRECTLY OVER ELECTRICAL PANELS.. HOWEVER, IT IS NOT INTENDED THAT DRAWINGS INDICATE ALL NECESSARY OFFSETS, AND IT SHALL BE THE WORK OF THIS SECTION TO INSTALL PIPING AND DUCTS IN SUCH A MANNER AS TO CONFORM TO STRUCTURE, AVOID ALL OBSTRUCTIONS, PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR WITHOUT FURTHER INSTRUCTION OR COST TO THE OWNER.
- CONTRACTOR SHALL GUARANTEE ALL WORK PERFORMED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF CERTIFICATE OF SUBSTANTIAL COMPLETION. THE PLUMBING CONTRACTOR SHALL PREPARE SUBMITTALS ON ALL EQUIPMENT AND MATERIALS APPLICABLE TO THIS
- PROJECT AND SUBMIT TO ENGINEER FOR REVIEW PRIOR TO PROCUREMENT, FABRICATION OR ANY CONSTRUCTION. SUBMITTALS MAY BE MAILED VIA APPROPRIATE CHANNELS OR SUBMITTED IN PDF FORM VIA EMAIL. PARTIAL SUBMITTALS WILL NOT BE REVIEWED.
- TRANSPORT AND HANDLE PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 8. STORE AND PROTECT PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, WITH SEALS AND LABELS INTACT AND LEGIBLE.
- 9. ALL WATER HEATERS, PUMPS, ETC. SHALL HAVE U.L. LISTING OR EQUIVALENT. VERIFY THAT EACH PIECE OF EQUIPMENT OR SYSTEM HAS BEEN CHECKED FOR PROPER LUBRICATION, DRIVE ROTATION, BELT TENSION, CONTROL SEQUENCE, OR FOR OTHER CONDITIONS WHICH MAY CAUSE DAMAGE.
- 10. DEMONSTRATE OPERATION AND MAINTENANCE OF PRODUCTS TO OWNER'S PERSONNEL ONE WEEK PRIOR TO DATE OF FINAL INSPECTION.
- 1. EXECUTE FINAL CLEANING PRIOR TO FINAL PROJECT ASSESSMENT.
- 12. SEISMICALLY RESTRAIN SUSPENDED PLUMBING EQUIPMENT, GAS PIPING AND HYDRONIC PIPING AS REQUIRED BY LOCAL CODE. PROVIDE SUPPORT AND EQUIPMENT REQUIRED TO CONTROL EXPANSION AND CONTRACTION OF PIPING. PROVIDE LOOPS, PIPE OFFSETS, AND SWING JOINTS, OR EXPANSION JOINTS WHERE REQUIRED.
- 13. SANITARY DRAIN/VENT PIPING LOCATED IN RETURN PLENUM SHALL BE SERVICE WEIGHT CAST IRON (ASTM A74). ALL OTHER SANITARY DRAIN/VENT PIPING MAY BE SCHEDULE 40 PVC (ASTM 2665) OR SERVICE WEIGHT CAST IRON (ASTM A74). CONFORM TO LOCAL CODE REQUIREMENTS.
- 14. DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER (ASTM B88) WITH SOLDER CONNECTIONS. UNDERGROUND WATER PIPING SHALL BE TYPE "K" COPPER OR SCHEDULE 40 PVC (ASTM D1785), AS LOCAL CODES ALLOW. INSULATE DOMESTIC WATER LINES WITH 1/2" THICK FIBERGLASS. HOT WATER LINES AND ALL RECIRCULATING LOOPS UP TO 1 1/2" SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION. HOT WATER LINES 2" AND LARGER SHALL HAVE 2" THICK FIBERGLASS INSULATION
- 15. BEFORE COMMENCING WORK ON SANITARY SEWER, CHECK INVERTS AND ENSURE THAT THESE CAN BE PROPERLY CONNECTED WITH SLOPE FOR DRAINAGE AND COVER TO AVOID FREEZING.
- 16. PROVIDE NEW WATER SERVICE COMPLETE WITH REDUCED PRESSURE BACKFLOW PREVENTOR. WHERE WATER PRESSURES
- EXCEED 80PSI. PROVIDE PRESSURE REDUCING VALVE WITH STRAINER UPSTREAM OF BACKFLOW PREVENTOR. 17. PROVIDE NON-CONDUCTING DIELECTRIC CONNECTIONS WHEREVER JOINTING DISSIMILAR METALS.
- 18. PROVIDE ACCESSIBLE STOPS IN PIPING CONNECTIONS TO ALL PLUMBING FIXTURES.
- 19. ASSURE EXTERIOR WALL CHASES ARE INSULATED TO PREVENT FREEZING. WATER LINES SHALL NOT BE INSTALLED IN AREAS SUBJECT TO FREEZING TEMPERATURES.
- 20. VERIFY MILLWORK DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO ORDERING SINKS AND LAVATORIES. PROVIDE INSULATING ADA PLUMBING JACKETS UNDER EACH ADA FIXTURE WITH EXPOSED DRAIN AND WATER PIPING.
- 21. PROVIDE PIPE LABELS FOR ALL PIPING SYSTEMS. 22. PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS AND ENSURE THAT FLOOR SLOPES TO DRAIN AT FLOOR DRAIN.
- 23. PROVIDE AND INSTALL WADE SHOCKSTOPS FOR DOMESTIC WATER PIPING SYSTEM. TWO REQUIRED PER BATHROOM UNIT.
- ONE DCW AND ONE DHW. PROVIDE SHUTOFF VALVE FOR SERVICING SHOCKSTOP. 24. VERIFY FLOOR PLAN AND WALL/FLOOR/CEILING RATINGS WITH ARCHITECTURAL PLANS. PROVIDE RATED PENETRATIONS
- AT EACH INSTANCE WHERE PLUMBING INSTALLATION PENETRATES A RATED ASSEMBLY. PENETRATIONS SHALL BE PER DETAILS ON THE DRAWINGS OR SOME OTHER U.L. LISTED DESIGN. 25. THIS CONTRACTOR SHALL EXAMINE THE ENTIRE DRAWING PACKAGE AND INCLUDE ALL NECESSARY MATERIAL AND LABOR
- TO PROVIDE A COMPLETE AND OPERABLE SYSTEM AS INDICATED IN THE ENTIRE DRAWING SET FOR HIS RESPECTIVE 26. THE PLUMBER SHALL PROVIDE A COMPLETE AND OPERABLE PLUMBING SYSTEM INCLUDING BUT NOT LIMITED TO ALL
- FIXTURES, BUILDING WATER PIPING AND INSULATION, SITE WATER PIPING, BUILDING WASTE AND VENT PIPING, SITE SEWER, PUBLIC SYSTEM TAP FEES, EXTENSION CHARGES, CLEANING OF WATER SYSTEM, IDENTIFICATION OF ALL PIPING,
- 27. THE DRAINAGE SYSTEM(S) AND THE VENT SYSTEM(S) SHALL BE TESTED, IN ITS ENTIRETY, FOR 15 MINUTES, WITH A 10 FOOT HEAD OF WATER. THE SYSTEM SHALL PROVE TIGHT AT ALL POINTS. TESTING SHALL BE THUS OR AS PER OTHER METHOD APPROVED BY THE ENGINEER OR LOCAL INSPECTOR. TEST SHALL OCCUR BEFORE ANY BACKFILLING ON UNDERGROUND PORTIONS.
- 28. THE WATER SUPPLY SYSTEM SHALL BE TESTED, IN ITS ENTIRETY, BY FILLING WITH WATER AND PRESSURING TO OPERATING PRESSURE. SYSTEMS OTHER THAN PLASTIC MAY BE PNEUMATICALLY TESTED AT 50 PSI FOR 15 MINUTES IN LIEU OF WATER TEST. ALL TESTS SHALL PROVE THE SYSTEM TIGHT.
- 29. PROVIDE 3/8" DCW CONNECTION TO ICE MAKER IF NECESSARY.
- 30. NATURAL GAS PIPING, IF SHOWN ON THESE DRAWINGS, SHALL BE SCH. 40 BLACK STEEL ABOVE GROUND WITH EITHER IHREADED OR WELDED FITTINGS. PAINT PIPING LOCATED OUTDOORS. ALL NATURAL GAS PIPING PERMANENTLY CONCEALED IN WALLS, CHASES, ETC. SHALL HAVE WELDED CONNECTIONS. IF APPROVED BY THE LOCAL GAS UTILITY, PIPE BELOW GRADE MAY BE DRISCOPIPE 6500, OR APPROVED POLYETHYLENE TYPE, INSTALLED TO CONFORM TO MANUFACTURER'S RECOMMENDATIONS AND LOCAL UTILITY REQUIREMENTS. PROVIDE YELLOW COPPER TRACER WIRE OF OTHER APPROVED CONDUCTOR INSTALLED ADJACENT TO UNDERGROUND NONMETALLIC PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE ABOVE GROUND AT EACH END OF THE NONMETALLIC PIPING. THE TRACER WIRE SHALL NOT BE LESS THAN 18 AWG AND THE INSULATION TYPE SHALL BE SUITABLE FOR DIRECT BURIAL. ALL NEW OR MODIFIED NATURAL GAS SYSTEMS SHALL BE TESTED AND PURGED PER

PLUM	1BING	SC	HEDI	JLE:
	RUN	OUT S	SIZE	
TAG	SEWER	DCW	DHW	DESCRIPTION
WC-1	4"	1/2"		AMERICAN STANDARD, CADET PRO, 215FC004.020, 17" ADA, ELONGATED BOWL, 1.6 GPF, WITH CHURCH, 295C, SEAT, AND SUPPLY & STOP.
L-1	1 1/2"	1/2"	1/2"	AMERICAN STANDARD, 0958008EC, WALL-HUNG LAVATORY, ADA, WITH AMERICAN STANDARD, MONTEREY, 6540.170, WIDESPREAD FAUCET WITH 0.5GPM AERATOR. PROVIDE MIXING VALVE WITH 110°F MAX DELIVERY. BRASS CRAFT, DEARBORN, #507, P-TRAP, 155A, STRAINER, AND #2165 SUPPLIES & STOPS. PROVIDE ZURN Z1231 WALL CARRIER WITH CONCEALED SUPPORT ARMS. PROVIDE WITH PORCELAIN SHROUD.
S-1	2"	1/2"	1/2"	ADVANCE TABCO, 7-PS-50, WALL HUNG STAINLESS STEEL HAND SINK WITH FAUCET. 10"X14"X5" PROVIDE WALL CARRIER.
S-2	1 1/2"	1/2"	1/2"	ELKAY, LR-1918, STAINLESS STEEL, 18 GA., SELF-RIMMING, SINGLE COMPARTMENT, DROP-IN, SINK, WITH AMERICAN STANDARD, 7502.170, CENTERSET, GOOSENECK FAUCET, WRISTBLADE HANDLES, GRID STRAINER DRAIN, AND SUPPLIES & STOPS.
S-3	1 1/2"	1/2"	1/2"	ADVANCE/TABCO, TRIPLE BOWL, STAINLESS STEEL SINK. T9-3-54-18RL. 91" TOTAL LENGTH. WITH T&S BRASS AND BRONZE WORK'S, B-0230, SINK MIXING FAUCET WITH 18" SWING NOZZLE.
S-4	1 1/2"	1/2"	1/2"	ADVANCE/TABCO, DOUBLE BOWL, STAINLESS STEEL SINK. T9-2-36-18RL WITH T&S BRASS AND BRONZE WORK'S, B-0230, SINK MIXING FAUCET WITH 18" SWING NOZZLE.
MS-1	3"	1/2"	1/2"	FIAT, MSBID2424, 24x24 MOP SINK. FIAT, 830—AA, FAUCET WITH FIAT, A32—AA, HOSE AND BRACKET. PROVIDE STAINLESS BACKSPLASH.
FCO-1	4"			ZURN, Z-1400, ADJUSTABLE, FLOOR CLEAN-OUT.
YCO-1	4"			ZURN, EXTERIOR GRADE CLEANOUT.
FPWH-1		3/4"		ZURN Z-1310 FROSTPROOF WALL HYDRANT.
FD-1	3"			J.R. SMITH, MODEL 2005-1, FLOOR DRAIN. PROVIDE WITH TRAP PRIMER.
BFP-1		1"		WATTS, SERIES LF919, REDUCED PRESSURE BACKFLOW PREVENTOR ASSEMBLY WITH STRAINER AND AIR GAP.
IMB-1		1/2"		GUY GRAY, ICEMAKER BOX. FRMIB12, METAL WITH VALVE OR EQUAL.
FS-1	3"			WATTS, FS710, FLOOR SINK WITH COVER
GT-1	4"			MINIMUM 750 GALLON, NON-TRAFFIC RATED GREASE TRAP WITH BAFFLES AND VENT INSTALL TANK PER LOCAL CODE. VERIFY ALL REQUIREMENTS WITH AHJ.



TANKLESS GAS WATER HE	ATER SCHEDULE:
TAG	GWH-1
QUANTITY	1
MANUFACTURER	NORITZ
MODEL NUMBER	NCC199 DV
TYPE	NAT. GAS
CAPACITY	5.3 GPM
INPUT (BTUH)	199,000
OUTPUT TEMPERATURE	120°F
EFFICIENCY	94%
NOTES	ALL
3) PROVIDE, INSTALL AND WIRE FACTO CONTROLLER 4) VENT CAP 5) RELIEF VALVE 6) COMMERCIAL MODEL ONLY 7) PROVIDE SERVICES OF A FACTORY REPRESENTATIVE FOR START—UP AND 8) PROVIDE WITH PROPERLY SIZED AS 9) MAINTAIN MINIMUM 18" CLEAR ON I	AUTHORIZED SERVICE CERTIFICATION. ME EXPANSION TANK

PLUMBING SYSTEM DESIGN E	BASIS:
TOTAL WATER SUPPLY FIXTURE UNITS	22
WATER SUPPLY DEMAND (GPM)	12
BUILDING WATER SERVICE SIZE TOTAL DRAINAGE FIXTURE UNITS	1 1/4
BUILDING SEWER SIZE	4"

DW COLLIER **ENGINEERING, INC.** ENGINEER 07/09/2|

* * *







COOPER MIXON 505 union street, 2nd flr jonesboro, ar 72401 phone 870.336.0536 www.coopermixon.com

CONSTRUCTION **DOCUMENTS**

PROJECT NO.

PROJECT NAME

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2021-7-9 CONTENTS

PLUMBING SCHEDULES

CONSTRUCTION **DOCUMENTS**

PROJECT NO.

PROJECT NAME

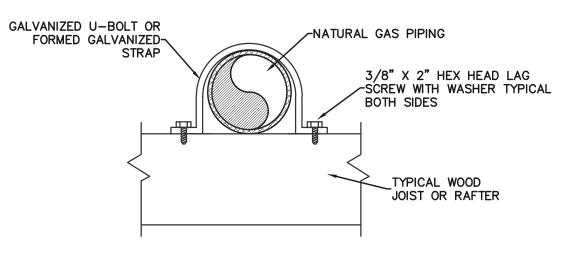
NEW SENIOR CENTER

DATE

2021-7-9 CONTENTS

PLUMBING DETAILS

SHEET NUMBER



PROVIDE STRAP ANCHOR AS SHOWN AT MINIMUM EVERY 10', ON BOTH SIDES OF EACH ELBOW, AT BRANCH OF EACH TEE, AND AT TOP AND BOTTOM OF EACH RISER. INSTALL BLOCKING BETWEEN JOISTS AS NECESSARY TO MEET SPACING AND LOCATION CRITERIA. PROVIDES LATERAL AND TRANSVERSE BRACING WHEN INSTALLED AS PER CRITERIA. MAXIMUM PIPE SIZE: 2 ½".

SEISMIC BRACE DETAIL FOR NATURAL GAS PIPING IN WOOD FRAME CONSTRUCTION.

GAS REQUIREMENTS:

 $1 \sqrt{3/4"}$ – CONV. OVEN (50MBH)

VERIFY EQUIPMENT INPUT PRIOR TO

_ROUTE 1 1/2" LINE ALONG

<u>∕2</u> 1 1/4" − RANGE (230MBH)

3 1" - FRYER (140MBH)

PROVIDE AGA FLEX TO EACH

WALL AT 18"AFF.

APPLIANCE.

GAS CONNECTION ISOMETRIC

CONSTRUCTION.

NOT TO SCALE

1 1/2" LOW

CEILING.

NOT TO SCALE

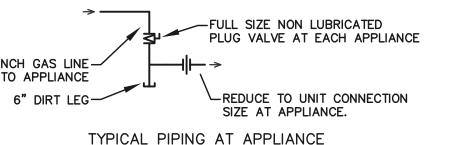
PRESSURE GAS__

LINE FROM ABOVE

AUTOMATIC GAS SHUT OFF VALVE WITH

MANUAL RESET WIRED

TO ANSUL CABINET.

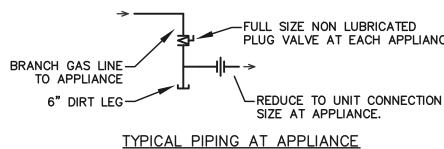


1) BALL VALVES ARE NOT ACCEPTABLE. ALL VALVES TO BE

2) PIPING, VALVES, UNION, ETC. SHALL REMAIN FULL-SIZE AND SHALL

3) ANCHOR GAS PIPING TO APPLIANCE PAD OR BUILDING STRUCTURE WITHIN 36" OF TERMINATION. DIRT LEG AND SHUTOFF VALVE SHALL BE EXPOSED ON ROOF. GAS PIPING SHALL NOT BE INSTALLED IN ROOF

4) DIRT LEGS SHALL BE INSTALLED AS SHOWN IN DETAIL, FORMED BY A



GENERAL GAS PIPING NOTES:

NON-LUBRICATED PLUG VALVES RATED FOR GAS SERVICE.

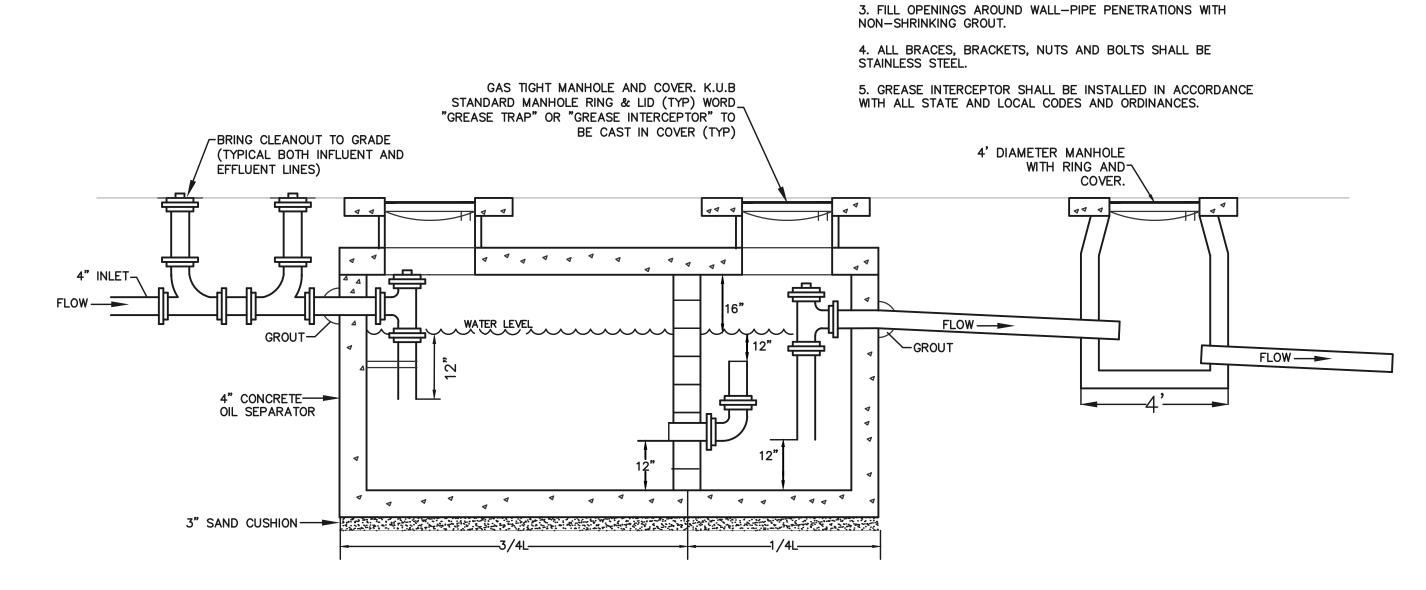
NOT REDUCE TO UNIT CONNECTION SIZE UNTIL WITHIN 6" OF APPLIANCE.

CURB OF ANY GAS-FIRED, ROOF-MOUNTED MECHANICAL EQUIPMENT.

6" CAPPED NIPPLE IN THE RUN OF A TEE.

5) PAINT ALL EXPOSED GAS PIPING YELLOW OR GRAY OR SOME OTHER APPROVED COLOR AS DIRECTED BY ARCHITECT OR ENGINEER. WHERE GAS PIPING CAN BE EASILY SEEN AT GRADE, VERIFY COLOR WITH ARCHITECT OR ENGINEER. LABEL ALL GAS PIPING.

6) SYSTEMS INSPECTED AND FOUND TO NOT COMPLY WITH THESE REQUIREMENTS WILL REQUIRE CORRECTION AT NO ADDITIONAL COST TO

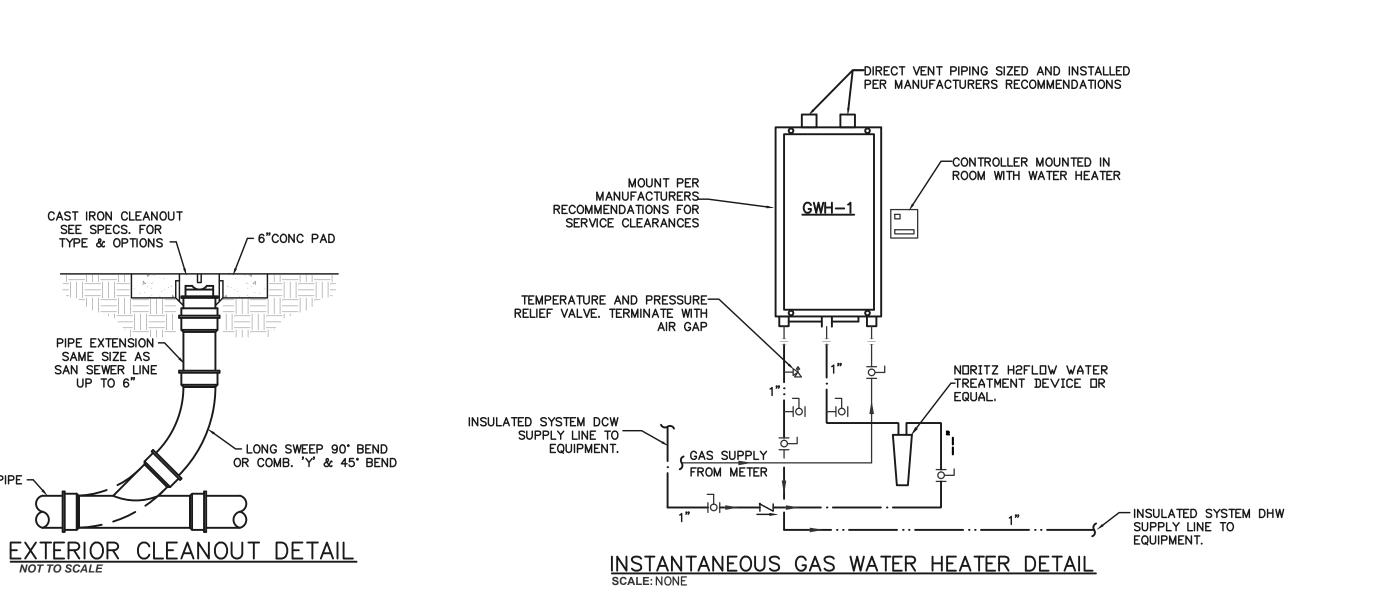


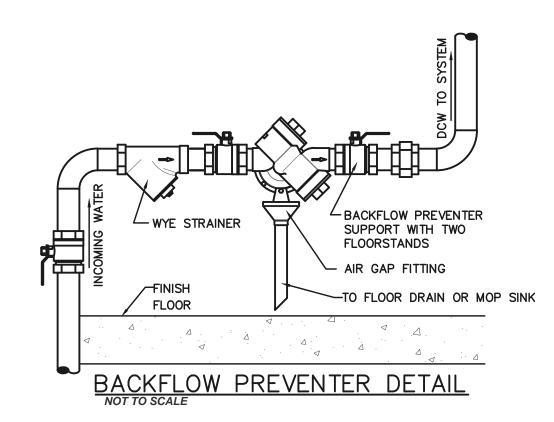
NOTES:

1. TANK DIMENSIONS ARE DEPENDENT UPON REQUIRED CAPACITY.

2. MINIMUM TANK CAPACITY IS 750 GALLONS. VERIFY SIZE WITH

GREASE INTERCEPTOR DETAIL







CE PROJECT NO. 21-090

DW COLLIER

ENGINEERING, INC.

CAST IRON CLEANOUT

SEE SPECS. FOR

PIPE EXTENSION SAME SIZE AS SAN SEWER LINE

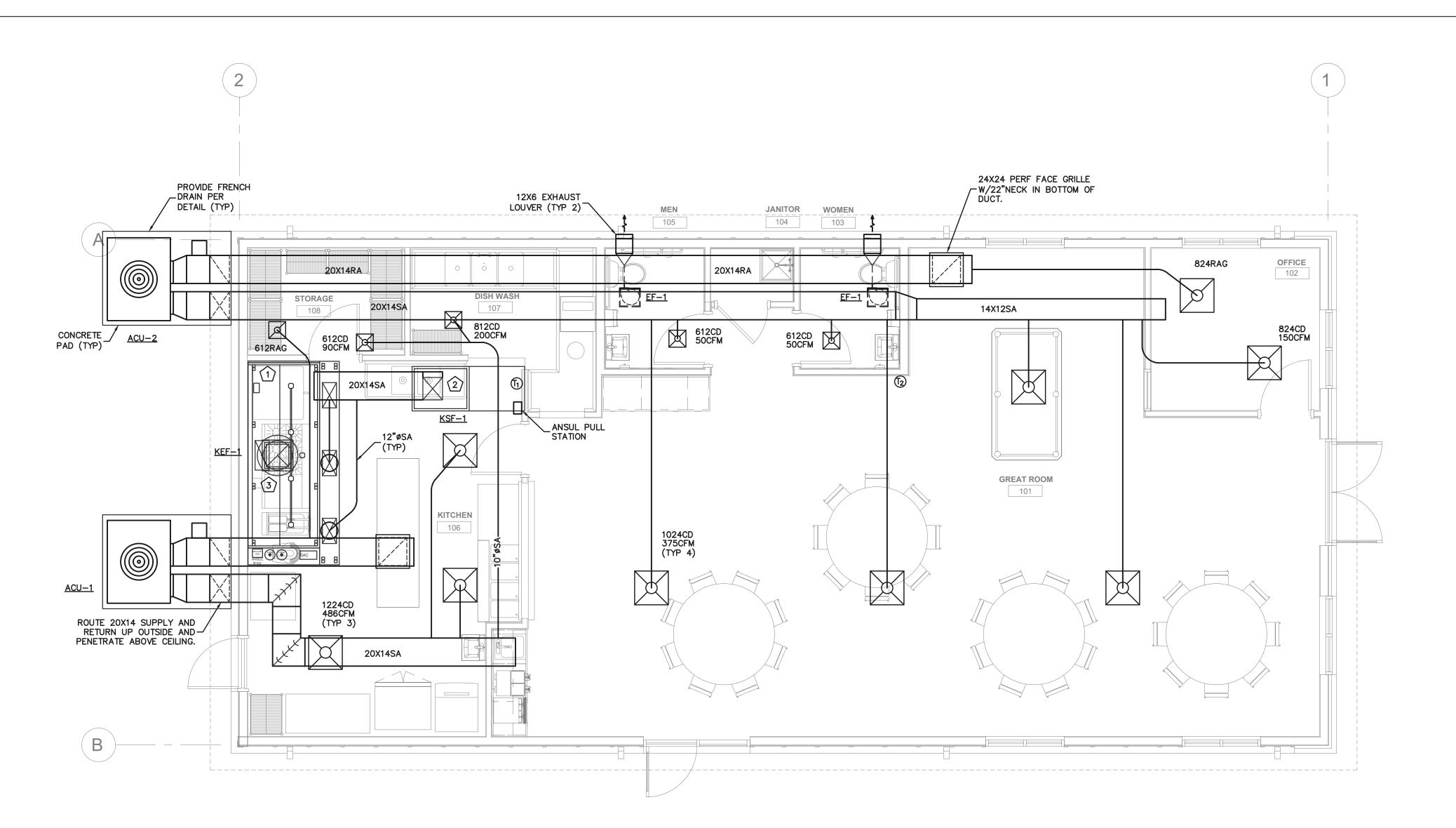
UP TO 6"

INTERIOR CLEANOUT DETAIL

TYPE & OPTIONS -

CONC FLOOR

OR COMB. 'Y' & 45' BEND



HVAC PLAN

0 2 4

1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

KEYED NOTES:

- PROVIDE NEW GREASE EXHAUST FAN, SUPPLY FAN, ANSUL SYSTEM AND GREASE HOOD COMPLETE WITH ROOF CURBS AND DUCTWORK. SEE M-202 AND M-203 FOR ADDITIONAL INFORMATION.
- DROP 20X14 DUCT OUT OF KSF-1. SUPPLY DUCT SHALL HAVE 2" EXTERNAL WRAP INSULATION. DROP FULL SIZE BRANCH WITH BALANCING DAMPER TO SUPPLY OPENING IN HOOD.
- ROUTE 14x14 GREASE DUCT UP TO KEF-1. INSULATE, AS REQUIRED, PER DETAIL. DUCT SHALL HAVE CONTINUOUS EXTERNAL WELDS AND CONSTRUCTED PER CODE. NO OFFSETS IN DUCT RISER. SLOPE AT HOOD COLLAR TRANSITIONS SHALL BE MINIMUM 1" SLOPE PER FOOT. MAINTAIN 10' MINIMUM CLEARANCE TO ANY FRESH AIR INTAKE. INSTALL ACCESS PANELS IN DUCT 12" UPSTREAM OF HOOD COLLAR, 12" DOWNSTREAM OF EXHAUST FAN AND AT ANY OFFSET. DROP FULL SIZE BRANCH TO OPENING IN HOOD.

KITCHEN AIR BALANCE SCHEDULE
KEF-1 (2,228 CFM)
KSF-1 1,782 CFM
RTU-14FA 446 CFM
BALANCE 0 CFM

GENERAL NOTES:

- 1. DUCT SIZES INDICATED ARE ACTUAL SHEET METAL DIMENSIONS. WRAP ALL DUCTS WITH FOIL BACKED FIBERGLASS INSULATION EQUAL TO CERTAINTEED SOFT TOUCH DUCT WRAP, TYPE 75, R-6 MINIMUM. SECURE EXTERNAL INSULATION TO RECTANGULAR DUCTWORK WITH TAPE AND STAPLES, AND INSTALL PANDUIT STRAPS ON 4' CENTERS TO PREVENT SAGGING. SECURE EXTERNAL INSULATION TO ROUND DUCTWORK WITH TAPE AND STAPLES.
- DUCTWORK WITH TAPE AND STAPLES.

 2. ALL DUCTWORK INSTALLED IN UNCONDITIONED ATTIC TO RECEIVE R-8 MINIMUM INSULATION.
- EXHAUST DUCTS (NON GREASE) DO NOT REQUIRE
 INSULATION
- 4. ALL DUCTWORK INSTALLED OUTDOORS SHALL BE EXTERNALLY INSULATED WITH RIGID BLUEBOARD POLYSTYRENE INSULATION, R-8, ADHERED TO DUCT AND COVERED WITH POLYGUARD SELF-ADHESIVE,
- SELF-HEALING MEMBRANE.

 5. INSTALL FIRE BLANKET ON GREASE DUCTS PER DETAIL.
- 6. COORDINATE GREASE HOOD/FAN INSTALLATION WITH STRUCTURE. VERIFY JOIST LOCATION IN RELATION TO DUCT CONNECTIONS PRIOR TO INSTALLATION.

	<u>LEGEND</u>
\bowtie	SUPPLY AIR DIFFUSE
	DETUDNI AID ODILLE

RETURN AIR GRILLE

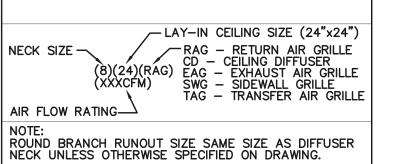
EXHAUST/TRANSFER
AIR GRILLE

THERMOSTAT

TURNING VANE

SA SUPPLY AIR RA RETURN AIR

FA FRESH AIR/OUTSIDE AIR
EA EXHAUST AIR



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O SHIPS ENSITVE ISSUES

COPER MIXON
A R C H I T E C T S

505 union street, 2nd flr jonesboro, ar 72401

phone 870.336.0536 www.coopermixon.com

CONSTRUCTION
DOCUMENTS

PROJECT NO.

PROJECT NAME

PROJECT NAME

NEW SENIOR CENTER

DATE

2021-7-9 CONTENTS

HVAC PLAN

DW COLLIER

ENGINEERING, INC.

720 BROADWAY STREET SUITE 100 SOUTH FULTON, TN 38257 PH. (731) 479-2115 www.dwcolliereng.com SHEET NUMBER

M-101

MECHANICAL NOTES:

- ALL WORK SHALL BE EXECUTED AND INSPECTED IN ACCORDANCE WITH ALL LOCAL AND STATE CODES, LAWS, ORDINANCES, RULES AND REGULATIONS APPLICABLE TO THE PARTICULAR CLASS OF WORK. IF, TO THE KNOWLEDGE OF THE CONTRACTOR, THE DRAWINGS AND SPECIFICATIONS ARE IN CONFLICT WITH THE ABOVE, HE SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT ANY NECESSARY CHANGES CAN BE PROVIDED FOR IN HIS CONTRACT. IF THE CONTRACTOR PERFORMS ANY WORK WITHOUT NOTICE AS REQUIRED, HE SHALL BEAR ALL COSTS OF CORRECTIVE ACTION.
- THE CONTRACTOR SHALL INCLUDE IN HIS QUOTATION ALL APPLICABLE SERVICE CHARGES, FEES, PERMITS, ROYALTIES, AND OTHER SIMILAR COSTS IN
- CONNECTION WITH THE WORK. OBTAIN PERMITS, AND REQUEST INSPECTIONS FROM AUTHORITY HAVING JURISDICTION. INSTALL WORK IN LOCATIONS SHOWN ON DRAWINGS, UNLESS PREVENTED BY PROJECT CONDITIONS. FOR PURPOSES OF CLEARNESS AND LEGIBILITY, DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC, AND ALTHOUGH SIZE AND LOCATION OF EQUIPMENT ARE DRAWN TO SCALE WHENEVER POSSIBLE, THE CONTRACTOR SHALL REVIEW THE STRUCTURAL, ELECTRICAL, ARCHITECTURAL, FIRE PROTECTIONS, ETC. DRAWINGS AND DETERMINE AREAS OF INTERFERENCE. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF INTERFERENCE'S PRIOR TO FABRICATION OF DUCTWORK OR PIPING.
- THE DRAWINGS INDICATE REQUIRED SIZE AND POINTS OF TERMINATION OF PIPES AND DUCTS, AND SUGGEST PROPER ROUTES OF PIPE TO CONFORM TO STRUCTURE, AVOID OBSTRUCTIONS AND PRESERVE CLEARANCES. HOWEVER, IT IS NOT INTENDED THAT DRAWINGS INDICATE ALL NECESSARY OFFSETS, AND IT SHALL BE THE WORK OF THIS SECTION TO INSTALL PIPING AND DUCTS IN SUCH A MANNER AS TO CONFORM TO STRUCTURE, AVOID ALL OBSTRUCTIONS,
- PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR WITHOUT FURTHER INSTRUCTION OR COST TO THE OWNER. CONTRACTOR SHALL GUARANTEE ALL WORK PERFORMED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF CERTIFICATE OF SUBSTANTIAL COMPLETION.
- THE MECHANICAL CONTRACTOR SHALL PREPARE SUBMITTALS ON ALL EQUIPMENT AND MATERIALS APPLICABLE TO THIS PROJECT AND SUBMIT TO ENGINEER FOR REVIEW PRIOR TO PROCUREMENT, FABRICATION OR ANY CONSTRUCTION. SUBMITTALS MAY BE MAILED VIA APPROPRIATE CHANNELS OR SUBMITTED IN PDF FORM VIA EMAIL. PARTIAL SUBMITTALS WILL NOT BE REVIEWED.
- MOTORS FOR ALL MECHANICAL EQUIPMENT SHALL BE FURNISHED BY SUPPLIERS OF SUCH EQUIPMENT AND SHALL BE THE TYPE THAT HAS CHARACTERISTICS SUITABLE FOR CONTINUOUS OPERATING CONDITIONS.
- TRANSPORT AND HANDLE PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- STORE AND PROTECT PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, WITH SEALS AND LABELS INTACT AND LEGIBLE.
- 10. ALL MECHANICAL EQUIPMENT, AS APPLICABLE, SHALL HAVE U.L. LISTING OR EQUIVALENT. VERIFY THAT EACH PIECE OF EQUIPMENT OR SYSTEM HAS BEEN CHECKED FOR PROPER LUBRICATION, DRIVE ROTATION, BELT TENSION, CONTROL SEQUENCE, OR FOR OTHER CONDITIONS WHICH MAY CAUSE DAMAGE.
- . DEMONSTRATE OPERATION AND MAINTENANCE OF PRODUCTS TO OWNER'S PERSONNEL ONE WEEK PRIOR TO DATE OF FINAL INSPECTION.
- 12. EXECUTE FINAL CLEANING PRIOR TO FINAL PROJECT ASSESSMENT.

ACCORDANCE WITH CODE OR AS SHOWN ON THESE DRAWINGS.

- 13. SEISMICALLY RESTRAIN HVAC EQUIPMENT, GAS PIPING AND HYDRONIC PIPING AS REQUIRED BY LOCAL CODE. PROVIDE SUPPORT AND EQUIPMENT REQUIRED TO CONTROL EXPANSION AND CONTRACTION OF PIPING. PROVIDE LOOPS, PIPE OFFSETS, AND SWING JOINTS, OR EXPANSION JOINTS WHERE REQUIRED.
- 4. ENTIRE HVAC SYSTEM AND HYDRONIC SYSTEM (AS APPLICABLE) SHALL BE BALANCED BY A CERTIFIED TEST & BALANCE CONTRACTOR. ALL AIR FLOW RATES SHALL BE WITHIN 5% OF SPECIFIED FLOW RATE. PROVIDE CERTIFIED TEST & BALANCE REPORT AT END OF PROJECT.
- I5. DISPOSE OF CONDENSATE IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS. PROVIDE TRAP IN CONDENSATE DRAIN LINE AT EACH COIL OR 90+ FURNACE IN ACCORDANCE WITH PUBLISHED MANUFACTURER'S INSTRUCTIONS. EACH TRAP SHALL BE PROVIDED WITH A TEE TO ALLOW FOR CLEANING. CONDENSATE PIPING SHALL BE SCH 40 PVC UNLESS NOTED OTHERWISE OR PROHIBITED BY CODES. INSULATE CONDENSATE DRAIN PIPING, SLOPE TO DRAIN, AND TERMINATE IN
- 6. PROVIDE NON-CONDUCTING DIELECTRIC CONNECTIONS WHEREVER JOINTING DISSIMILAR METALS.
- 17. ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE 2005 EDITION "SMACNA HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE", AND AS INDICATED. PROVIDE RADIUS ELBOW OR TURNING VANES IN ALL 90° ELBOWS. PROVIDE DUCT MATERIAL, GAGES, REINFORCING, AND SEALING FOR OPERATING PRESSURES INDICATED. DUCTWORK SHALL BE FABRICATED FROM ASTM A525 AND ASTM A527 GALVANIZED STEEL SHEET, LOCK-FORMING QUALITY, HAVING G90 ZINC COATING OF IN CONFORMANCE WITH ASTM A90. ALL DUCTS SHALL BE GALVANIZED STEEL UNLESS OTHERWISE NOTED ON DRAWINGS. DUCTBOARD WILL NOT BE ACCEPTED.
- 18. PROVIDE TEMPORARY PROTECTION FOR EQUIPMENT DURING CONSTRUCTION TO PREVENT DAMAGE TO EQUIPMENT AND COILS. PROVIDE TEMPORARY FILTERS AT EACH RETURN AIR INLET DURING CONSTRUCTION. PROVIDE AND INSTALL A NEW, CLEAN SET OF FILTERS FOR EACH SYSTEM AT PROJECT COMPLETION.
- 19. FLEXIBLE DUCTWORK SHALL BE EQUIVALENT TO THERMAFLEX WITH R-6.0 MINIMUM, R-8.0 IF IN ATTIC SPACE, FIBERGLASS INSULATION AND VAPOR BARRIER. FLEXIBLE DUCTWORK SHALL BE U.L. LISTED AND APPROVED.
- 20. SEAL ALL LONGITUDINAL AND TRANSVERSE SEAMS BEFORE APPLYING INSULATION. SEALANT SHALL BE NON-HARDENING, WATER RESISTANT, FIRE RESISTIVE, COMPATIBLE WITH MATING MATERIALS, LIQUID USED ALONE OR WITH TAPE, OR HEAVY MASTIC.
- 21. LOCATE DUCTS WITH SUFFICIENT SPACE AROUND EQUIPMENT TO ALLOW NORMAL OPERATING AND MAINTENANCE ACTIVITIES.
- 22. PROVIDE CANVAS, FLAME RETARDENT DUCT CONNECTORS AT ALL CONNECTIONS OF FANS TO DUCTWORK.
- 23. ALL LOW VOLTAGE CONTROL WIRING SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. CONTROL WIRING SHALL BE PROVIDED IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES. CONTROL WIRING CONCEALED IN WALLS, LOCATED OUTDOORS, OR INSTALLED IN RETURN AIR PLENUM SHALL BE INSTALLED IN CONDUIT. CONDUIT TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.
- 24. ROUTE REFRIGERANT LINES FROM OUTDOOR UNITS TO COOLING COIL. SIZE PER MANUFACTURER'S RECOMMENDATIONS AND PROVIDE ADDITIONAL CHARGE AS REQUIRED. REFRIGERANT SUCTION PIPES LESS THAN 1 1/2" IN SIZE TO RECEIVE 1/2" ARMAFLEX INSULATION AND ALL LIQUID LINES TO RECEIVE 1" INSULATION ALL EXPOSED REFRIGERANT PIPING INSTALLED OUTDOORS SHALL BE RIGID COPPER. ROUTE ALL REFRIGERANT PIPING PLUMB AND SQUARE WITH THE BUILDING AS POSSIBLE. EXTERIOR PIPING SHALL BE INSTALLED ON UNISTRUT AND SECURED WITH UNISTRUT CLAMPS. UNISTRUT TO BE ANCHORED TO CONCRETE PAD.
- 25. ROUND DUCT BRANCH SIZE SHALL BE SAME AS NECK SIZE SPECIFIED FOR DIFFUSER, UNLESS OTHERWISE NOTED ON DRAWINGS.
- 26. ALL EXTERIOR WALL LOUVERS USED FOR MECHANICAL EXHAUST, MECHANICAL FRESH AIR INTAKE, OR MECHANICAL COMBUSTION AIR SHALL BE EXTRUDED ALUMINUM, WITH 1/4" INSECT SCREEN. COORDINATE COLOR WITH ARCHITECT.
- 27. VERIFY FLOOR PLAN AND WALL/FLOOR/CEILING RATINGS WITH ARCHITECTURAL PLANS. PROVIDE RATED PENETRATIONS AT EACH INSTANCE WHERE MECHANICAL INSTALLATION PENETRATES A RATED ASSEMBLY. PENETRATIONS SHALL BE PER DETAILS ON THE DRAWINGS OR SOME OTHER U.L. LISTED DESIGN.
- 28. NATURAL GAS PIPING, IF SHOWN ON THESE DRAWINGS, SHALL BE SCH. 40 BLACK STEEL ABOVE GROUND WITH EITHER WELDED OR THREADED FITTINGS. PAINT PIPING LOCATED OUTDOORS. ALL NATURAL GAS PIPING PERMANENTLY CONCEALED IN WALLS, CHASES, ETC. SHALL HAVE WELDED CONNECTIONS. IF APPROVED BY THE LOCAL GAS UTILITY, PIPE BELOW GRADE MAY BE DRISCOPIPE 6500, OR APPROVED POLYETHYLENE TYPE, INSTALLED TO CONFORM TO MANUFACTURER'S RECOMMENDATIONS AND LOCAL UTILITY REQUIREMENTS. PROVIDE YELLOW COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR INSTALLED ADJACENT TO UNDERGROUND NONMETALLIC PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE ABOVE GROUND AT EACH END OF THE NONMETALLIC PIPING. THE TRACER WIRE SHALL NOT BE LESS THAN 18 AWG AND THE INSULATION TYPE SHALL BE SUITABLE FOR DIRECT BURIAL. ALL NEW OR MODIFIED NATURAL GAS SYSTEMS SHALL BE TESTED AND PURGED PER 2012 IFGC CHAPTER 406.
- 29. UNLESS OTHERWISE NOTED ON DRAWINGS, AIR DISTRIBUTION SHALL BE AS FOLLOWS OR EQUAL:
- CEILING SUPPLY, LAY-IN CEILINGS NAILOR 6500 SERIES, TYPE L FRAME, FULLY LOUVERED FACE, NO FILLER PANEL, FLUSH WITH CEILING, LESS DAMPER.
- SIDEWALL OR DRYWALL CEILING SUPPLY NAILOR 61D SERIES, DOUBLE DEFLECTION, WITH DAMPER AND PLASTER RING (AS APPLICABLE).
- CEILING RETURN AND EXHAUST, LAY-IN CEILINGS NAILOR 4360 SERIES, FLUSH FACE, TYPE L FRAME.
- SIDEWALL OR DRYWALL CEILING RETURN NAILOR 51FH-HD WITH PLASTER RING.
- LINEAR BAR SUPPLY GRILLES NAILOR 49-240, LESS DAMPER, WITH PLASTER RING.
- INSTALL AIR DISTRIBUTION SYMMETRICALLY WHERE POSSIBLE. ALL AIR DISTRIBUTION MOUNTING FRAMES SHALL MATCH CEILING TYPE. VERIFY CEILING AND COLORS WITH ARCHITECTURAL DRAWINGS. ALL AIR DISTRIBUTION SHALL HAVE POWDER COAT FINISH. GRILLES INSTALLED IN SIDEWALL OF DUCT SHALL MATCH DUCT FINISH AND COLOR. PROVIDE PREINSULATED SUPPLY GRILLE. WHERE ADAPTERS ARE USED, PAINT TO MATCH GRILLE.
- 30. DUCT PENETRATIONS THROUGH RATED WALLS DO NOT REQUIRE FIRE DAMPERS PROVIDED THE FOLLOWING MINIMUM REQUIREMENTS ARE MET:
- FIRE PARTITIONS:
- a. THE DUCT DOES NOT EXCEED 100 SQ. INCHES.
- b. THE DUCT IS OF 0.0217 INCH MINIMUM STEEL.
- c. THE DUCT SHALL NOT HAVE OPENINGS THAT COMMUNICATE THE CORRIDOR WITH ADJACENT SPACES OR ROOMS.
- d. THE DUCT IS INSTALLED ABOVE A CEILING.
- e. THE DUCT SHALL NOT TERMINATE AT A WALL REGISTER IN THE FIRE RESISTANCE RATED WALL.
- f. A MIN. 12" LONG BY 0.06" THICK STEEL SLEEVE SHALL BE CENTERED IN EACH DUCT OPENING. THE SLEEVE SHALL BE SECURED TO BOTH SIDES OF THE WALL AND ALL FOUR SIDES OF THE SLEEVE WITH MIN. 1 1/2" X 1 1/2" X 0.06" STEEL RETAINING ANGLES. SECURE RETAINING ANGLES TO THE SLEEVE AND WALL WITH NO 10 SCREWS. FILL ANNULAR SPACE BÉTWEEN THE WALL AND SLEEVE WITH MINERAL WOOL. FIRE BARRIERS:
- a. WALL IS RATED 1 HR OR LESS
- b. WALLS ARE IN AREAS OTHER THAN GROUP H
- c. BUILDING IS EQUIPPED THROUGHOUT WITH AUTOMATIC FIRE PROTECTION SYSTEM
- d. THE DUCT IS OF 26GA (0.0217 INCH) STEEL MINIMUM.
- e. DUCT IS CONTINUOUS FROM THE AIR HANDLER TO THE AIR OUTLET.
- . UNLESS SHOWN OTHERWISE ON DRAWINGS, FRESH AIR DUCTWORK SHALL BE ROUND GALVANIZED DUCT WITH FOIL—BACKED INSULATION, R—6 MINIMUM. EXHAUST DUCTS DO NOT REQUIRE INSULATION. PROVIDE ACCESSIBLE BALANCING DAMPER. SIZE DUCT AS FOLLOWS: 1-100 CFM - 6", 101-200 CFM - 8", 201-400 CFM - 10". SEE NOTE 25 FOR INTAKE LOUVER REQUIREMENTS. EACH FRESH AIR INTAKE DUCT SHALL BE PROVIDED WITH AN ACCESSIBLE BALANCING DAMPER. EXHAUST DUCTS DO NOT REQUIRE INSULATION.
- 32. CONDENSATE DRAINS, ELECTRICAL CONDUIT AND NATURAL GAS PIPING SHALL NOT BE ROUTED IN THE ROOF CURB OR UNIT HOUSING. CONDENSATE PIPING. ELECTRICAL CONDUIT AND NATURAL GAS PIPING SHALL PENETRATE THE ROOF, AS APPLICABLE, ADJACENT TO THE ROOF CURB AND CONNECT TO THE UNIT EXTERNALLY.
- 33. PROVIDE AND INSTALL HARDWIRED THERMOSTATS FOR EACH SYSTEM. VERIFY EXACT LOCATION WITH OWNER EQUIPMENT PRIOR TO ROUGH-IN. THERMOSTAT INSTALLATION SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES. THERMOSTATS SHALL BE INSTALLED AT 48"AFF. THERMOSTATS SHALL BE 7-DAY PROGRAMMABLE STYLE. MERCURY OPERATED THERMOSTATS ARE NOT ACCEPTABLE.
- 34. ALL SHEETMETAL SURFACES VISIBLE BEHIND ANY HVAC GRILLE SHALL BE PAINTED FLAT BLACK.
- 35. CONTRACTOR SHALL IDENTIFY ALL SCHEDULED EQUIPMENT AND ASSOCIATED THERMOSTATS. IDENTIFICATION SHALL BE ENGRAVED TAG PERMANENTLY ADHERED TO EQUIPMENT. THERMOSTATS MAY BE IDENTIFIED WITH PERMANENT INK ON INSIDE OF REMOVABLE COVER.
- 36. THIS CONTRACTOR SHALL EXAMINE THE ENTIRE DRAWING PACKAGE AND INCLUDE ALL NECESSARY MATERIAL AND LABOR TO PROVIDE A COMPLETE AND OPERABLE SYSTEM AS INDICATED IN THE ENTIRE DRAWING SET FOR HIS RESPECTIVE SYSTEMS.
- 37. ALL RECTANGULAR OR SQUARE ELBOWS OR TEES SHALL BE INSTALLED WITH TURNING VANES AS PER SMACNA GUIDELINES.

FAN SCHEDULE	EF-1	T
AREA SERVED	RR	
QUANTITY	2	
USE	EXHAUST	1
MANUFACTURER	GREENHECK	
MODEL NUMBER	SP-A90	
CFM	75	
STATIC PRESSURE	0.25"	
TYPE	CEILING	
ELECTRICAL	115/1/60	
POWER	25 WATTS	
SONES	0.4	
INTERLOCK		
WEIGHT		
NOTES	ALL	

DUCT WRAP SHALL BE INSTALLED AT

- RUSKIN, MDRS25, ROUND

MANUAL BALANCING DAMPER.

-GALVANIZED STEEL ROUND BRANCH DUCT SAME SIZE

—GALVANIZED STEEL ELBOW

2' MAX ON RETURN

SQUARE TO ROUND

-DIFFUSER ADAPTER

SEE PLAN FOR SIZE

-CEILING DIFFUSER

AS REQ'D.

AND TYPE

INSULATE DIFFUSER NECK

-FLEXIBLE DUCT 5' MAX. ON SUPPLY

AND DIFFUSER BACK WITH 1 1/2" FOIL BACKED FIBERGLASS.

AS DIFFUSER NECK W/2" FOIL BACKED INSULATION.

PLACES THAT MINIMUM CLEARANCE

CANNOT BE MAINTAINED.

A1 PYROSCAT DUCTWRAP XL TYPICAL-BOTTOM PIECE

A2 PYROSCAT DUCTWRAP XL TYPICAL- TOP PIECE

GREASE EXHAUST DUCT

GUIDE TO INSTALLATION"

ROUND TAP FITTING WITH ADHESIVE BACKING

SECURE TO DUCT WITH SHEET METAL SCREWS. ON 2" CENTERS

FLAG BALANCING DAMPER

VERIFY TYPE CLG. & HEIGHT

HVAC DUCTWORK

REFER TO PLAN

W/MARKING TAPE

CONNECT FLEXIBLE

DUCT TO FITTING

CEILING - FIELD

W/ METAL CLAMP

FOR SIZE

A3 STEEL BANDING MINIMUM 1/2" WIDE X 0.015" THICK

NOTE: FOR DETAILED INSTRUCTIONS REFER TO "PYROSCAT

PYROSCAT DUCTWRAP XL (2HR-2 LAYER) SYSTEM

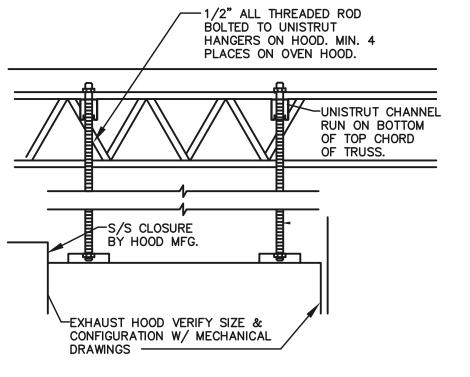
PROTECTION TO COMBUSTABLE

TYPICAL BRANCH RUN DETAIL

- SPEED CONTROLLER PROVIDED BY DIVISION 15, MOUNTED AND WIRED BY DIVISION 16.
- INTEGRAL SERVICE DISCONNECT DIRECT DRIVE
- INSECT SCREEN
- PROVIDE STATIONARY, DRAINABLE LOUVER. COORDINATE
- EXACT SIZE WITH FAN MANUFACTURER. SEISMICALLY RESTRAIN FAN AS PER CODE. PROVIDE 1/4" CABLE RESTRAINTS AT EACH CORNER (FOUR REQUIRED). ATTACH TO FAN WITH ANGLE CLIP BOLTED TO FAN. SPLAY CABLES AT 45° ANGLES AND LOOP AROUND NEARBY BUILDING STRUCTURAL STEEL. SECURE LOOP WITH CLEVIS CLAMPS. PROVIDE ENGINEER CERTIFIED SUBMITTAL FOR APPROVAL.

AIR CONDITIONING	UNIT SCHEDULE:	
TAG	ACU-1	ACU-2
AREA SERVED	KITCHEN	GATHER
MANUFACTURER	TRANE	TRANE
MODEL NUMBER	4YCC4060	4YCC4060
NOMINAL TONS	5	5
SUPPLY AIR CFM	1,750	1,750
OUTSIDE AIR CFM	446	300
ENTERING AIR (DB/WB)	80/67	80/67
SENSIBLE COOLING (MBH)	45	45
TOTAL COOLING (MBH)	60	60
HEAT INPUT (MBH)	90	90
HEAT OUTPUT (MBH)		
ELECTRICAL	240/1/60	240/1/60
MCA	39.1	39.1
MOCP	60	60
WEIGHT (LB)		
NOTES	ALL	ALL

- INSTALL ON LEVEL, CONCRETE PAD HONEYWELL, VISION PRO 8300 MODEL TH8321WF1001 PROGRAMMABLE
- WI-FI THERMOSTAT. RECTORSEAL EZ TRAP WITH BRUSH, LESS FLOAT SWITCH.
- 2" PLEATED RETURN AIR FILTER
- 5. IN ADDITION TO 1-YEAR FULL WARRANTY, PROVIDE 5-YEAR COMPRESSOR PARTS-ONLY WARRANTY AND 10-YEAR PARTS ONLY
- HEAT EXCHANGER WARRANTY. PROVIDE EQUIPMENT FROM MANUFACTURER AS SPECIFIED OR EQUAL. EQUIVALENT MANUFACTURERS ARE TRANE, CARRIER, JOHNSON
- CONTROLS, LENNOX, AMERICAN STANDARD, BRYANT. ECONOMIZER WITH BAROMETRIC RELIEF



HOOD HANGING DETAIL

OPEN TEE-- CONDENSATE DRAIN FROM A/C UNIT DRAIN PAN. A/C UNIT 1" PIPE TO BE PITCHED DOWN. PROVIDE TRAP AS-REQUIRED. DRAIN PLUG 2" SOIL COVER -2'x2'x2' GRAVEL FILLED PIT -SUPPORT ROD

FRENCH DRAIN DETAIL







COOPER MIXON 505 union street, 2nd flr jonesboro, ar 72401 phone 870.336.0536 www.coopermixon.com

CONSTRUCTION DOCUMENTS

PROJECT NO.

PROJECT NAME

NEW SENIOR CENTER

DATE 2021-7-9

CONTENTS

HVAC DETAILS AND SCHEDULES

FIRE SYSTEM INFORMATION

MARK	MODEL	LOCATION	FLOW F	POINTS	SUPPLY	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM
WARK	MODEL	LOCATION	HOODS	PCU	LINE	DETECTION	WARR(3) FROTEGIED BITTIRE STOTEW
FSS 1	ANSUL R-102	CABINET – LEFT END OF H-1	12 UTILIZED		CONTINUOUS	FUSIBLE LINK	H-1 SECTION 1
FSS-1	WET CHEMICAL	CABINET - LEFT END OF H-T	22 AVAILABLE		CONTINUOUS	FUSIBLE LINK	

FIRE SYSTEM OPTIONS AND ACCESSORIES

FULL INSTALLATION (INCLUDES PRE-PIPED HOOD(S) WITH DETECTION AND FACTORY COORDINATED INSTALL)

CHROME SLEEVES FOR FACTORY PROVIDED APPLIANCES DROPS - INCLUDED

METAL BLOW-OFF CAPS - INCLUDED

GAS VALVE - INCLUDED - MECHANICAL SHUTOFF VALVE, 2", (ANSUL) - PART# ANSULMECHSHUTOFFVALVE200

HOOD SUPPRESSION AGENT - INCLUDED - 6 GAL. - [(2) 3.0 TANK(S)]

REMOTE PULL STATION - STANDARD - INSTALLATION AT SINGLE POINT OF EGRESS

HOOD INFORMATION

LICOT			HOOD	DIMENSIC	NS (IN.)		COOKING			EXHA	UST			SUP	PLY	TOTAL	CECTION
HOOI NO.	MARK	MODEL	LENGTH	WIDTH	HEIGHT	HOOD CONSTR.	LOAD / DUTY	TOTAL		С	OLLAR(S)		MUA	AC	WEIGHT	SECTION
110.			LENGIH	WIDIN	ПЕІВПІ	CONSTN.	RATING	CFM	WIDTH	LENGTH	DIA.	CFM	S.P.	CFM	CFM	LBS.	LOCATION
1	Ц 4	CHEW 133 C	122	E1	24	430 SS		2220	10	21		2228	0.384	1700		401.5	SINGLE
'	H-1	GHEW-132-3	132	02 31		EXPOSED		2228						1/02		401.5	SINGLE
HOOD	INFORMATION	-	-											-			
		H-1 GHEW-132-S 132 51 24 WHERE EXPOSED HEAVY 2228 10 21 2228 0.384 1782 401.5 S															

			LIGHT	ΓING D	FTAII	S		GREASE FIL	ON E	FTAI	LS	UTILITY CABINET(S)										
HOOD NO.	MARK	FIXTURE TYPE			: I		FOOT	TVDE / MODEL		_	SIZE (IN.)		LOCATION		FIRE SYSTE), (DI	1	CONTROLS			
140.		BU	JLB / LAM	MP INFO QTY		CANDLES	MATERIA	.L	QII	L	Н	LOCATION		TYPE	- 1	SIZE	1	MODE	ĒL	INTERFACE		
		INCAN	DESCEN	T (GLO	BE)	Ι.		BAFFLE		7	16		LEFT	Δ	NSUL R102		6		GKC	; T	OUCHS	CREEN
1 1	H-1	100W A19 (BULBS NOT INCL.)			4	44.07	STAINLESS STEEL		1	20	20				\dashv		+		-			
SUPPLY	PLENUM INFORMATION																					
HOOD	MARK	POS.	TYPE	SIZE (II		l.)	INCLIL ATE	DAMPER(S)	LED LIGH		D LIGHT(S)		TOTAL	COLLARS								
NO.	IVIARR	PU3.	IIFE	L	W	Н	INSULATE	DAIVIPER(3)	SUPP	LIED	Q	ΤΥ	CFM	TYPE	MOUNTING	QTY	W	L	DIA.	CFM	S.P.	VEL.
1	H-1	FRONT	ASP	145	14	10	NO	NO	N	0			1782	MUA	FACTORY	3	10	18		594	0.1	475
					-		•				-			•		-						

HOOD OPTIONS

UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #MH11726

BACK INTEGRAL AIR SPACE - 3 IN WIDE

RIGHT NON-INTEGRAL AIR SPACE - 1 IN THICK - ZERO CLEARANCE 18 IN HIGH CEILING ENCLOSURES - FRONT LEFT - FIELD INSTALLED

FACTORY MOUNTED EXHAUST COLLAR(S)

BACKSPLASH 80.00 IN HIGH 145.00 IN LONG PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY

STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH

Belt Drive Upblast Centrifugal Roof Exhaust Fan

		MARK INFORMATION		N INFORMATION		MOTOR INFORMATION								
Q	QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)		OPERATING POWER (HP)		SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
	1	KEF-1	CUBE-140-7	2,228	0.634	1,466	0.64	92	0.75	208/60/1	OP	1725	1	7.6

*NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

91.3 92.1 77.8 69 66.3 64.1 61.8 55.1 78.5 67.5 15.5

KEF-1: SELECTED OPTIONS AND ACCESSORIES Standard Curb Cap Size - 22 Square

UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances"

LwA - A weighted sound power level based on ANSI S1.4

 dBA - A weighted sound pressure level base on 11.f dB attenuation per octabe band at 5.0 ft.

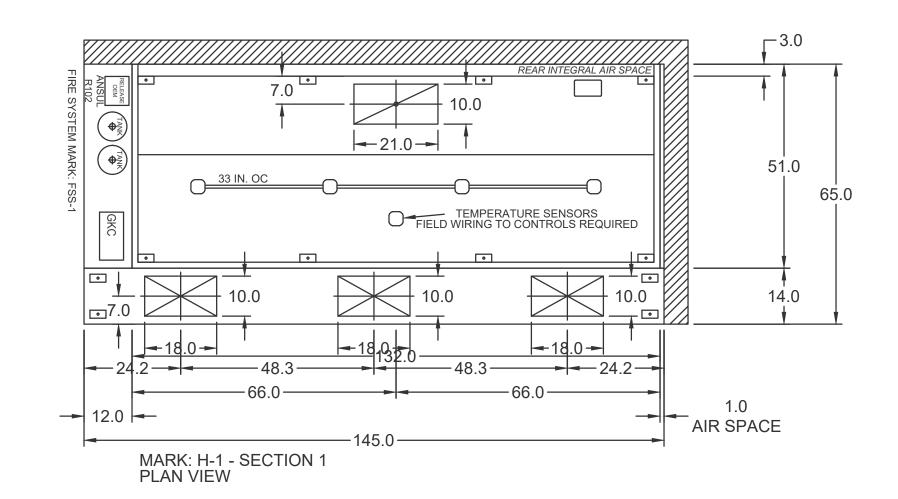
 Noise Criteria (NC) based on an average attenuation of 11.5 dB per octabe band at 5.0 ft.

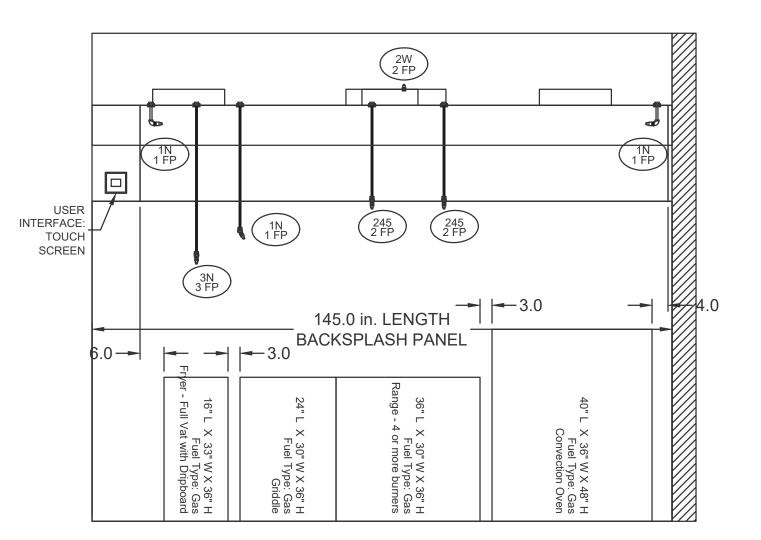
Switch, NEMA-1, Toggle, Shipped with Unit

Hinge, Factory Installed Grease Trap (PN 475538)

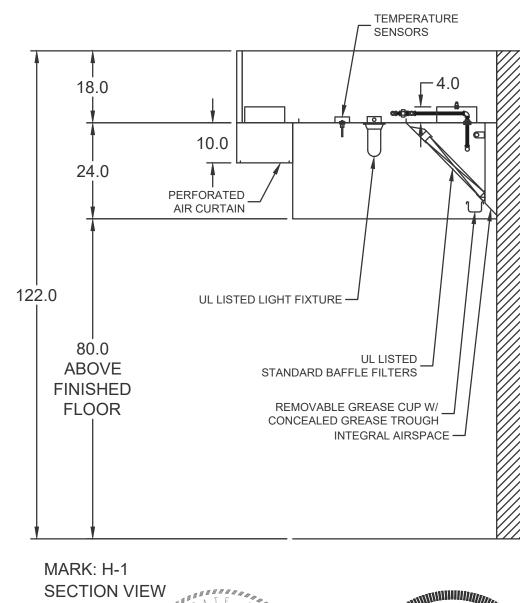
Heat Baffle (Attached)

					EQUIPM	ENT CO	HEDIII	_				OPTIONS AND ACCESSORIES
					•	EINT 30	ПЕРОГ	.⊏				Air Flow Arrangement: Outdoor Air Only
No	on-Te	mpered	d Make	e-Up 🗗	Air Unit					Mark	Weatherhood: Aluminum Mesh, 16x20x1 - (4)	
Qty	Greer	nheck Model	k Model Volume External SP Total SP FRP		FRPM	Operating Power		Weight	Damper: Inlet Outdoor Air Intake Position: End Discharge Position: Bottom			
1	KSFB-	-110-H15-01	1,78	82 CFM	0.5 in. wo	g 0.623	3 in. wg	826	0.43	3 hp	239 lb	Coating: Galvanized Insulation: None
			N	lotor Info					1404	·	0.0	Access Side: Right-Hand
	Size	V/C/P	Ei	nclosure	Motor with Shaft	Motor RPM	l Windin	gs	s MCA MOP			Inlet Damper Control: Gravity
	1/2 hp	208/60/			Grounding No	1725	1		6.8	1	15	Unit Warranty: 1 Yr (Standard)
	Outlet Sound Power By Octave Band									JD 4	0	
6:	2.5	125	250	500	1000	2000	4000	8000	LwA	dBA	Sones	





MARK: H-1 - SECTION 1 **ELEVATION VIEW**

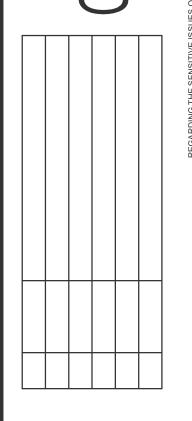








SENIO



COOPER MIXON A R C H I T E C T S 505 union street, 2nd flr jonesboro, ar 72401 phone 870.336.0536 www.coopermixon.com

CONSTRUCTION DOCUMENTS

PROJECT NO.

2114

PROJECT NAME

NEW SENIOR CENTER

DATE

2021-7-9

CONTENTS

HOOD DETAILS AND SCHEDULES

CONTROL	LINFORMATION																		
	MARK	ELECTRICAL CON	NTROL PACKAGE	USER INTERFACE			FANS CONTROLLED												
	IVIANN	MODEL	LOCATION	TYPE	LOCATION	FAN #	# TYPE	FAN	FAN MARK	ZONE	CFM	MOTOR HP	MOTOR VOLT	CYCLE	MOTOR PHASI	E MOTOR STARTER IN PANEL	VFD IN PANEL		
	CONTROLS	GKC-CV-S-11-1-1-0	LEFT CABINET ON H-1	FULL COLOR TOUCHSCREEN	CABINET – LEFT CABINET ON H-1	1	EXHAUST	E1	KEF-1	1	2228	0.75	208	60	1	YES	NO		
	CONTROLS	GKC-CV-S-11-1-1-0	LEFT CABINET ON H-T			2	SUPPLY	S1	KSF-1	1	1782	0.5	208	60	1	YES	NO		

CONTROL FEATURES HOOD LIGHT CONTROL

TEMP SENSORS (FACTORY PROVIDED) - QTY. 1

DRY FIRE CONTACTS - QTY. 1

LIGHTS OFF DURING FIRE EXHAUST MAX DURING FIRE

SUPPLY OFF DURING FIRE

GENERAL HOOD NOTES:

1) MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL COMMERCIAL GREASE HOOD, SUPPLY FAN, EXHAUST FAN, DUCTWORK, ANSUL SYSTEM, ETC. AS REQUIRED TO PROVIDE COMPLETE AND OPERABLE SYSTEM INSTALLED PER STATE AND LOCAL REQUIREMENTS.

2) CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ENGINEER AND STATE APPROVAL PRIOR TO INSTALLATION.

3) COORDINATE INSTALLATION WITH OTHER TRADES AND FIELD CONDITIONS.

4) VERIFY KITCHEN LAYOUT WITH ARCHITECTURAL DRAWINGS. COORDINATE STAINLESS STEEL WALL PANEL REQUIREMENTS WITH ARCHITECT/EQUIPMENT

5) ALL DATA SHOWN ON THIS SHEET IS BASED ON GREENHECK SYSTEMS. VERIFY HEIGHT OF STAINLESS STEEL ENCLOSURE PANELS WITH ARCHITECTURAL DRAWINGS.

6) EXHAUST FAN SHALL COMPLY WITH NFPA 96 CHAPTER 5. EXHAUST/MAKEUP SYSTEM SHALL BE ENERGIZED AUTOMATICALLY BY TEMPERATURE SENSOR OR SWITCH. EXHAUST FAN MOTOR SHALL BE LISTED FOR USE IN GREASY ATMOSPHERES. PROVIDE HINGED AND VENTED CURB FOR GREASE FAN. IF FAN IS INSTALLED WITHIN 10 OF PARAPET, DISCHARGE MUST BE HIGHER THAN PARAPET. FAN SHALL NOT BE INSTALLED LESS THAN 24" FROM PARAPET WALL ON ROOF.

7) ALL EXHAUST DUCT SHALL HAVE LIQUID TIGHT EXTERNAL WELDS FOR ALL SEAMS, JOINTS, AND PENETRATIONS AND SHALL BE CONSTRUCTED OF AND SUPPORTED BY 16 GA CARBON STEEL OR 18 GA STAINLESS STEEL. PROVIDE ACCESS PANEL OPENINGS IN GREASE DUCT AT EACH CHANGE IN DIRECTION AT AT TOP OF DUCT NEAR ROOF.

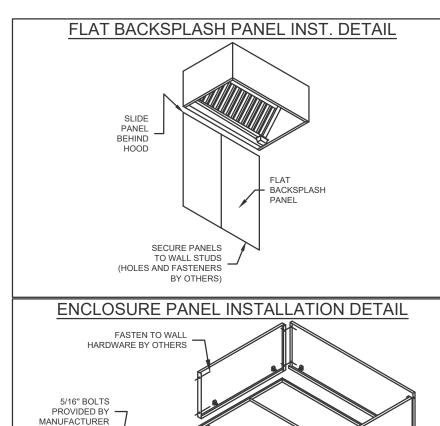
8) PROVIDE BALANCING DAMPER FOR ALL SUPPLY AIR OPENINGS. GREASE HOOD SYSTEM SHALL BE BALANCED BY CERTIFIED TEST & BALANCE CONTRACTOR. CONTRACTOR SHALL ALSO PERFORM CAPTURE AND CONTAINMENT TEST PER IMC 2006 507.16.1.

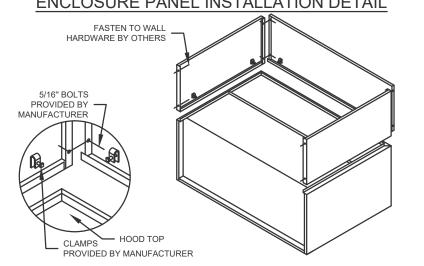
9) HOOD SUPPRESSION SYSTEMS SHALL BE IN COMPLIANCE WITH U.L. 300.

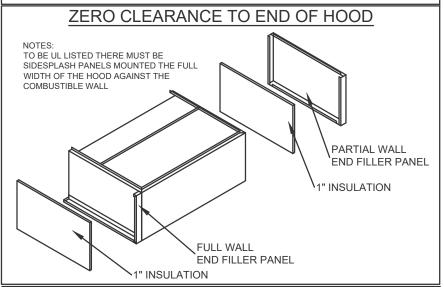
10) PROVIDE EMERGENCY FUEL SHUT OFF FOR GAS-FIRED EQUIPMENT UNDER HOOD. INTERLOCK GAS SUPPLY WITH HOOD SUCH PER IFGC 505.1.1.

11) PROVIDE PORTABLE ALKALINE EXTINGUISHER LISTED FOR EXTRA HAZARD CLASS FIRES 10 TO 20 FEET FROM COOKING EQUIPMENT AND FIVE FEET ABOVE

12) MAINTAIN CODE REQUIRED CLEARANCES FOR GREASE DUCT. GREASE DUCT SHALL BE A MINIMUM OF 18" FROM COMBUSTIBLE MATERIAL. GREASE DUCT SHALL BE A MINIMUM OF 3" FROM LIMITED COMBUSTIBLE MATERAILS AND ZERO CLEARANCE TO NON COMBUSTIBLE MATERIALS.





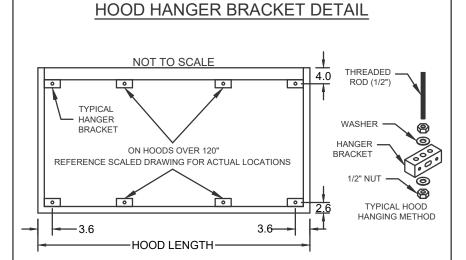


HOOD HANGING HEIGHT FOR FIRE SYSTEMS VERIFICATION OF HOOD HANGING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS REQUIRED FOR CORRECT PLACEMENT OF FIRE SYSTEM NOZZLES.

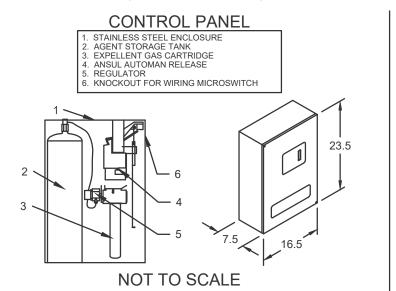
RECOMMENDED HANGING HEIGHT = 80" FROM FINISHED FLOOR TO LOWER FRONT EDGE OF HOOD.

OTHER HANGING HEIGHT = _____ " FROM FINISHED FLOOR TO LOWER EDGE OF HOOD.

SUPPLY PLENUM HANGER BRACKET DETAIL BRACKET 3.6 -SUPPLY PLENUM LENGTH-



ANSUL R102 (WET CHEMICAL) FIRE PROTECTION SYSTEM - MODEL FSSC



NOTES:

WET CHEMICAL FIRE PROTECTION SYSTEM TO BE ANSUL R-102, DESIGNED IN COMPLIANCE WITH UL 300 REQUIREMENTS. -VERIFICATION OF ALL COOKING EQUIPMENT MAKE, MODEL AND LOCATION REQUIRED FOR ALL FIRE PROTECTION SYSTEMS. -ALL FIRE SYSTEM PIPING IS STANDARDLY TO THE RIGHT END OF THE HOOD UNLESS A WALL IS LOCATED ON THE RIGHT END. -ANSUL AUTOMAN RELEASE TO BE LOCATED WITHIN 60" OF HOOD.

THE BASIC FIRE SYSTEM WILL INCLUDE THE FOLLOWING: -GAS SHUT-OFF VALVE, IF REQUIRED, TO BE SUPPLIED BY MANUFACTURER (UP TO 2" DIAMETER AS STANDARD), AND INSTALLED BY A LICENSED PLUMBER. -MICRO SWITCH TO BE SUPPLIED BY MANUFACTURER FOR CONNECTION TO, BUT NOT LIMITED TO, BUILDING ALARM SYSTEM(S), EXHAUST AND SUPPLY FANS AND ELECTRICAL POWER SHUT DOWN. FIELD WIRING AND CONNECTIONS TO BE PERFORMED BY A LICENSED ELECTRICIAN.

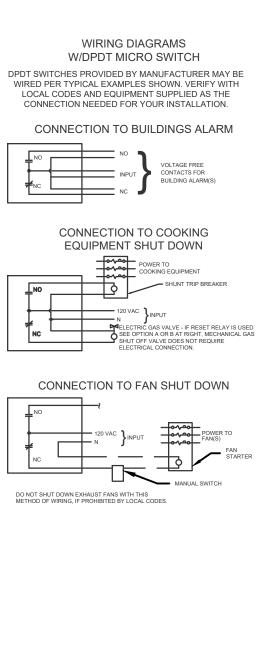
THE BASIC FIRE SYSTEM DOES NOT INCLUDE THE FOLLOWING: -FULL DUMP TEST OTHER THAN WHT IS SPECIFIED PER THE INSTALLATION MANUAL, OR TO SATISFY A STATE OR LOCAL CODE. PERMIT AND TESTING FEES ARE NOT INCLUDED UNLESS NOTED UNDER THE EQUIPMENT SCHEDULE FOR THE FIRE SYSTEM. -MORE THEN TWO TRIPS TO THE JOBSITE OR SPECIAL TRANSPORTATION, OR

OVERNIGHT LODGING REQUIREMENTS IN REMOTE AREAS. NORMAL TRAVEL DISTANCE IS FIRST 50 MI. (80.5 KM) FROM OFFICE. - SPECIAL CLASSES OR ADDITIONAL LABOR FOR ACCESS TO SECURITY -INSTALLATION OF GAS SHUT-OFF VALVE. -SPECIAL DRAWINGS REQUIRED TO SATISFY STATE OR LOCAL CODE. PLAN

EXAMINATION FEES, PE OR FS APPROVAL STAMP. -UNION LABOR, GOVERNMENT LABOR, OR PREVAILING WAGES REQUIRED FOR FINAL FIELD HOOK-UP. -ANY AND ALL ELECTRICAL COMPONENTS/CONNECTIONS REQUIRED TO SHUT DOWN FANS, SHUT OFF DEVICE FOR ELECTRIC COOKING EQUIPMENT (SHUNT TRIP BREAKER), OR ACTIVATE AN ALARM SYSTEM, ETC. -ANY DISMANTLING OR REASSEMBLY REQUIRED TO GAIN ACCESS TO THE FIRE SUPPRESSION PIPING LOCATED ON THE TOP OF THE HOOD.

-ROUGH-IN HIDDEN CONDUIT FOR REMOTE PULL STATION OR GAS VALVE

(FLUSH MOUNTED PULL STATION). -INSTALLATION OF MORE THAN (1) REMOTE PULL STATIONS OR DISTANCES GREATER THAN 20 FT (6.1M.) -PARTS OR LABOR REQUIRED TO CORRECT PIPING DUE TO COOKING EQUIPMENT CHANGES OR DEVIATION FROM PLANS. OR ANY CHARGES FOR MISSING OR ADDITIONAL PARTS OTHER THEN THOSE INDICATED ON THE FIRE SUPPRESSION DETAIL.



1. — DENOTES FIELD INSTALLATION. — DENOTES FACTORY INSTALLATION. 3. DO NOT USE BLACK WIRE ON SNAP-ACTION SWITCH IN NORMAL INSTALLATION. BLACK WIRE TO BE USED ONLY FOR EXTRANEOUS ALARM, LIGHT CIRCUITS, ETC.







CE PROJECT NO. 21-090

SHEET NUMBER DW COLLIER ENGINEERING, INC.

COOPER MIXON
A R C H I T E C T S

505 union street, 2nd flr jonesboro, ar 72401

CONSTRUCTION

DOCUMENTS

PROJECT NO.

PROJECT NAME

DATE

2021-7-9

CONTENTS

HOOD DETAILS

AND SCHEDULES

NEW SENIOR CENTER

phone 870.336.0536 www.coopermixon.com

ELECTRICAL GENERAL NOTES

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE JURISDICTION'S ADOPTED EDITION OF THE N.E.C. AND ALL APPLICABLE STATE AND LOCAL CODES.
- 2. ALL MATERIAL SHALL BEAR THE PROPER U.L., E.T.L., OR OTHER RECOGNIZED NRTL LABEL ACCEPTABLE TO THE AHJ.
- 3. ALL WIRING SHALL BE IN CONDUIT OR OTHER N.E.C. APPROVED RACEWAYS.
- 4. G.F.I. TYPE RECEPTACLES SHALL BE SELF-CONTAINED UNITS WITH CLASS "A" SENSITIVITY.
- WHERE SINGLE POLE BRANCH CIRCUIT CONDUCTORS HAVE BEEN INCREASED ABOVE THE SIZE OF THE CIRCUIT BREAKER TO COMPENSATE FOR VOLTAGE DROP, THE INCREASED SIZE SHALL EXTEND THROUGHOUT THE ENTIRE CIRCUIT, EXCEPT WHERE IT IS NECESSARY TO REDUCE THE SIZE FOR CONNECTION TO SWITCH AND RECEPTACLE TERMINALS, ETC. EQUIPMENT GROUNDING CONDUCTORS SHALL ALSO BE ADJUSTED PROPORTIONATELY PER N.E.C. 250.122 (B).
- EXERCISE EXTREME CAUTION TO ENSURE THAT THERMAL INSULATION IS NOT INSTALLED CLOSE ENOUGH TO RECESSED LIGHTING FIXTURES TO PREVENT PROPER VENTILATION AND COOLING OF THE UNITS. FIXTURES SHALL COMPLY WITH ARTICLE 410 OF THE N.E.C. ALL RECESSED INCANDESCENT FIXTURES SHALL HAVE THERMAL CUT-OUT PROTECTION.
- UNLESS OTHERWISE NOTED OR DIRECTED, ALL CONDUIT SHALL BE CONCEALED BELOW FLOORS, IN WALLS, OR ABOVE CEILING. PRIOR AUTHORIZATION MUST BE ACQUIRED FROM THE ARCHITECT OR ENGINEER BEFORE USING ANY TYPE OF SURFACE MOUNTED RACEWAYS IN FINISHED AREAS.
- 8. ELECTRICAL CONTRACTOR SHALL VERIFY SERVICE AND VOLTAGE REQUIREMENTS FOR ALL EQUIPMENT TO BE CONNECTED (BOTH NEW AND EXISTING) PRIOR TO MAKING CONNECTIONS.
- 9. DUPLEX RECEPTACLES SHALL BE MOUNTED AT 16" ABOVE THE FINISHED FLOOR, EXCEPT WHERE OTHERWISE NOTED, AND EXCEPT WHERE RECEPTACLES ARE SHOWN ABOVE CABINETS, COUNTERS, ETC. WHERE RECEPTACLES ARE SHOWN AT COUNTERS OR CABINETS, THEY SHALL BE INSTALLED 6" TO BOTTOM ABOVE THE CABINET TOP. WHERE THERE IS A BACKSPLASH, THE RECEPTACLES SHALL BE JUST ABOVE THE BACKSPLASH. WHERE RECEPTACLES ARE SHOWN ADJACENT TO LAVATORIES, THE RECEPTACLE SHALL BE MOUNTED AT APPROXIMATELY 6" TO BOTTOM ABOVE THE LAVATORY
- 10. TELEPHONE OUTLETS DESIGNATED AS BEING MOUNTED AT 16" A.F.F. SHALL BE ARRANGED FOR DESK TYPE TELEPHONE(S). TELEPHONE OUTLETS DESIGNATED AS BEING MOUNTED AT 44" A.F.F. SHALL BE SUITABLE FOR A WALL MOUNTED TELEPHONE (WHERE SHOWN ADJACENT TO LIGHT SWITCH, MOUNT AT SAME HEIGHT AS LIGHT SWITCH). WHERE TELEPHONE OUTLETS ARE SHOWN AT OR ABOVE CABINETS/COUNTERS, THE OUTLET SHALL BE MOUNTED AT 6" ABOVE THE COUNTER TOP. WHERE THERE IS A BACKSPLASH, THE OUTLETS SHALL BE MOUNTED ABOVE THE BACKSPLASH.
- 11. SURFACE MOUNTED LIGHTING FIXTURES INSTALLED IN AREAS THAT DO NOT HAVE AN ACCESSIBLE CEILING SPACE ABOVE THEM SHALL BE INSTALLED IN COMPLIANCE WITH ARTICLE 410 OF THE
- 12. COORDINATE ALL CEILING MOUNTED EQUIPMENT, (i.e. LIGHTING FIXTURES, SPEAKERS, GRILLES, ETC.) WITH ALL OTHER EQUIPMENT & TRADES PRIOR TO & DURING INSTALLATION TO AVOID CONFLICTS. SHOULD IT BECOME NECESSARY TO REPOSITION SMOKE DETECTORS, EXERCISE CAUTION NOT TO EXCEED THE 30' AND 15' SPACINGS AS REQUIRED BY THE LIFE SAFETY CODE.
- 13. FIRE AND SMOKE STOP AROUND ALL CONDUIT, EQUIPMENT, ETC. WHICH PENETRATES FLOORS, WALLS, AND CEILINGS.
- 14. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND ANY DISCREPANCIES OR QUESTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO BIDDING.
- 15. COMPLY WITH ALL CODES AND REGULATIONS, ETC. REGARDING PENETRATION OF THE CEILING FOR THIS TYPE OF CONSTRUCTION.
- 16. WHERE LIGHTING SWITCHES, RECEPTACLES, & FIRE ALARM DEVICES ARE TO BE SURFACE MOUNTED IN FINISHED AREAS. USE OUTLET BOXES EQUAL TO "WIREMOLD". ALL SURFACE MOUNTED RACEWAY IN FINISHED AREAS SHALL BE WIREMOLD TYPE. NO EXPOSED CONDUIT WILL BE ALLOWED IN
- 17. ALL LIGHTING AND RECEPTACLE CIRCUITS SHALL HAVE A SEPARATE GROUND WIRE CONTINUOUS THROUGHOUT THE CIRCUIT. THE CONDUIT SHALL NOT BE CONSIDERED ADEQUATE.
- 18. JUNCTION BOXES SHALL NOT BE MOUNTED BACK TO BACK.
- 19. WHERE DEVICE BACKBOXES ARE LOCATED IN A RATED WALL, THESE BOXES SHALL BE RATED FOR
- 20. JUNCTION OR BACKBOXES MOUNTED IN RATED WALLS SHALL NOT BE LOCATED IN A COMMON CAVITY BETWEEN STUDS. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- 21. ALL ELECTRICAL WORK SHALL BE ACCOMPLISHED BY ELECTRICIANS LICENSED BY THE JURISDICTION IN WHICH THE WORK WILL BE PERFORMED.
- 22. WHERE A RECEPTACLE OR LIGHTING FIXTURE, REMOVED DURING DEMOLITION, INTERRUPTS POWER TO DOWNSTREAM ELECTRICAL DEVICES THAT ARE EXISTING TO REMAIN, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT DOWNSTREAM DEVICES ARE RECONNECTED AND REMAIN ACTIVE.
- 23. RECEPTACLES AND COMPUTER OUTLETS SHOWN AT CASEWORK LOCATIONS SHALL BE MOUNTED AT 16" TO BOTTOM A.F.F. WHERE A DEDICATED KNEE SPACE IS PROVIDED. CENTER DEVICES IN KNEE SPACE. WHERE NO KNEE SPACE IS PROVIDED, RECEPTACLES SHALL BE MOUNTED ABOVE COUNTER AT 6" TO BOTTOM, U.O.N. REFER TO ARCHITECTURAL CASEWORK ELEVATIONS.
- 24. SMOKE DETECTORS SHALL NOT BE LOCATED WITHIN THREE (3) FEET OF SUPPLY/RETURN AIR GRILLES OR CEILING FANS.
- 25. CONTRACTOR SHALL MAINTAIN ACCURATE "AS-BUILT" DRAWINGS DURING CONSTRUCTION. THESE DRAWINGS SHALL BE SUBMITTED TO THE GENERAL CONTRACTOR UPON COMPLETION OF THE
- 26. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS, EQUIPMENT AND COMPONENTS AND THEIR RELATED ELECTRICAL CONNECTIONS. DEVICE AND PATHWAY PLACEMENT/ROUTING IS ONLY REPRESENTATIVE OF A GENERAL LOCATION UNLESS OTHERWISE INDICATED BY DIMENSIONS. SYMBOLS ARE USED EXTENSIVELY WHICH MAY NOT EXACTLY REPRESENT ACTUAL SIZES.
- 27. THESE DRAWINGS DO NOT SHOW ALL OFFSETS, TRANSITIONS AND/OR DEVICES NECESSARY FOR A COMPLETE AND FUNCTIONAL SYSTEM AS REQUIRED BY THE CONTRACT DOCUMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PLACE THESE DEVICES AND PATHWAYS SUCH THAT THEY OFFER FULL FUNCTIONALITY WITHOUT HINDRANCE FROM CASEWORK, FURNITURE, WINDOWS AND DOORS, HVAC, PLUMBING, ELECTRICAL, AND OTHER BUILDING SYSTEMS.
- 28. NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN THE DEDICATED SPACE ABOVE ELECTRICAL EQUIPMENT.
- 29. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY POWER TO FIELD OFFICE AND JOBSITE AND REMOVE UPON COMPLETION OF CONSTRUCTION. COORDINATE WITH LOCAL UTILITY.
- 30. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY LIGHTING INSIDE FACILITY DURING CONSTRUCTION AND SHALL REMOVE TEMPORARY LIGHTING ONCE PERMANENT POWER AND LIGHTING ARE OPERATIONAL.
- 31. SHARED NEUTRAL CONDUCTORS ON MULTI-WIRE BRANCH CIRCUITS SHALL NOT BE ALLOWED. FURNISH AND INSTALL DEDICATED NEUTRALS PER CIRCUIT.

	ELECTRICAL LEGEND	
ITEM	DESCRIPTION	MOUNTIN
	LIGHTING	
FIXTURE TYPE—XQ CIRCUIT/SWITCH	LED LIGHTING FIXTURE AS SCHEDULED — SUBSCRIPT INDICATES CIRCUIT NUMBER AND SWITCH DESIGNATION.	CEILING
—	LED LIGHTING STRIP FIXTURE AS SCHEDULED	CEILING
모	WALL MOUNTED LED LIGHTING FIXTURE AS SCHEDULED	WALL
Ol	WALL MOUNTED LED LIGHTING FIXTURE AS SCHEDULED	WALL
0	ROUND LED LIGHTING FIXTURE AS SCHEDULED	CEILING
머	SQUARE LED LIGHTING FIXTURE AS SCHEDULED	WALL
	WALL MOUNTED EMERGENCY EXIT SIGN AS SCHEDULED REFER TO DIRECTIONAL ARROWS ON DWGS. FOR CHEVRON LOCATIONS	WALL
	WALL MOUNTED EMERGENCY / EXIT COMBO UNIT AS SCHEDULED REFER TO DIRECTIONAL ARROWS ON DWGS. FOR CHEVRON LOCATIONS	WALL
\blacksquare	CEILING MOUNTED EMERGENCY EXIT SIGN AS SCHEDULED REFER TO DIRECTIONAL ARROWS ON DWGS. FOR CHEVRON LOCATIONS	CEILING
8	CEILING MOUNTED EMERGENCY / EXIT COMBO UNIT AS SCHEDULED REFER TO DIRECTIONAL ARROWS ON DWGS. FOR CHEVRON LOCATIONS	CEILING
	EMERGENCY LIGHTING UNIT WITH SELF-CONTAINED BATTERY AS SCHEDULED	WALL
\Rightarrow	REMOTE EMERGENCY HEAD (R.E.H.) AS SCHEDULED	WALL OR CEILING
	POWER DEVICES	
0-	120V, 20 AMP SIMPLEX RECEPTACLE WITH LONG DIMENSION PERPENDICULAR TO FLOOR.	16" TO E
=	120V, 20 AMP DUPLEX RECEPTACLE WITH LONG DIMENSION PERPENDICULAR TO FLOOR.	16" TO E
=	120V, 20 AMP G.F.C.I. DUPLEX RECEPTACLE WITH LONG DIMENSION PERPENDICULAR TO FLOOR.	16" TO E
	120V, 20 AMP DOUBLE DUPLEX RECEPTACLE	16" TO E
G -	SPECIAL EQUIPMENT SIMPLEX RECEPTACLE WITH LONG DIMENSION PERPENDICULAR TO FLOOR. RATING AND TYPE PER BRANCH CIRCUIT.	16" TO E
фm	COMBINATION 120V, 20 AMP DUPLEX RECEPTACLE AND TELEVISION OUTLET.	COORD. N
□1	HEAVY-DUTY DISCONNECT SWITCH AS SPECIFIED	ABOVE FLOOR
\$	TYPICAL 120V, SIZE O FRACTIONAL H.P., TOGGLE TYPE, MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION. UON	ABOVE FLOOR
8	TYPICAL EQUIPMENT MOUNTED JUNCTION BOX	ABOVE FLOOR
0	TYPICAL JUNCTION BOX	ABOVE FLOOR
	ELECTRICAL PANELBOARD — SEE FEEDER DIAGRAM. DASHED AREA REPRESENTS N.E.C. REQUIRED WORKSPACE CLEARANCE	WALL
	COMMUNICATIONS DEVICES	
4	COMPUTER/TELEPHONE OUTLET IN COMMON BACKBOX. ROUTE EMPTY 1 INCH CONDUIT TO ACCESSIBLE CEILING SPACE ABOVE	16" TO E
	CONDUIT/CABLING	, , , ,
	SHORT SLASH INDICATES NEUTRAL WIRE	
	LONG SLASH INDICATES PHASE WIRE SLASH AT DISSIMILAR ANGLE INDICATES INSULATED GROUND WIRE	
	METALLIC CONDUIT MINIMUM 1/2"	ABOVE FLOOR
	METALLIC CONDUIT, UNLESS OTHERWISE NOTED. MINIMUM 3/4"	BELOW FLOOR
	FLEXIBLE CONDUIT (LIQUID-TIGHT) MINIMUM 1/2"	ABOVE FLOOR
	SWITCHED 120VAC LIGHTING WITH 0-10V DIMMING SIGNAL.	ABOVE
	USE SEPARATE CONDUITS OR A SHIELDED CABLE — CLASS 1 WIRING CAT 5e OR 6 CABLE USED FOR DIGITAL LIGHT CONTROLS	FLOOR ABOVE
	EXPOSED ABOVE ACCESSIBLE CEILING OR IN CONDUIT ELSEWHERE	FLOOR

ELECTRICAL LEGEND CONTINUED

ABBREVIATIONS AFF ABOVE FINISHED FLOOR GROUND FAULT INTERRUPTING DEVICE (FURNISH SELF-CONTAINED, INDIVIDUAL G.F.C.I. DEVICE -MASTER / SLAVE CONFIGURATIONS ARE NOT ACCEPTABLE) WP WEATHERPROOF DEVICE FDS FUSED DISCONNECT SWITCH NON-FUSED DISCONNECT SWITCH

UNLESS OTHERWISE NOTED IG ISOLATED GROUND DEVICE

FAULT CIRCUIT INTERRUPTOR

HEATING AND AIR-CONDITIONING RATED DEVICE 30mA EQUIPMENT GROUND

LOC EQUIPMENT LOCK OUT CLIP

ST SHUNT TRIP DEVICE MB MAIN CIRCUIT BREAKER

MLO MAIN LUGS ONLY

TV TELEVISION

C RED DEVICE, CONNECTED TO EMERGENCY POWER EAFC ESTIMATED AVAILABLE FAULT

BKR CIRCUIT BREAKER

EMT ELECTRICAL METALLIC TUBING

FLA FULL LOAD AMPS G GROUND (ALSO "GND")

GRS GALVANIZED RIGID STEEL CONDUIT HP HORSEPOWER

KVA KILOVOLT-AMPS KW KILOWATT

MCA MINIMUM CIRCUIT AMPS

MOCP MAXIMUM OVERCURRENT PROTECTION

NIC NOT IN CONTRACT

PVC POLYVINYLCHLORIDE CONDUIT. CLASSIFIED AS RIGID NONMETALLIC CONDUIT PER N.E.C. SCHEDULE 40

> NIGHT LIGHT - LUMINAIRE SHALL BE UNSWITCHED EXCEPT FOR CIRCUIT BRFAKFR.

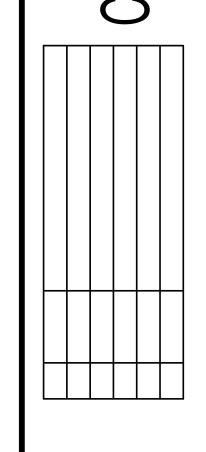
	SWITCHING DEVICES	
\$	WALL TOGGLE SWITCH	44" TO BTM AFF
\$ _N	2 BUTTON, SINGLE CHANNEL, ON/OFF WALL CONTROL EQUAL TO nLIGHT #nPODMA	44" TO BTM AFF
\$ ND	3 BUTTON, SINGLE CHANNEL, ON/OFF WALL CONTROL W/ DIMMING EQUAL TO nLIGHT #nPODMA DX	44" TO BTM AFF
\$ _{N2D}	6 BUTTON, DUAL CHANNEL, ON/OFF WALL CONTROL W/ DIMMING EQUAL TO nLIGHT #nPODMA 2P DX	44" TO BTM AFF
\$ oc	WALL MOUNTED DUAL-TECHNOLOGY OCCUPANCY SENSOR WITH ON/OFF OVERRIDE SWITCH. EQUAL TO SENSORSWITCH #WSXA-PDT.	44" TO BTM. A.F.F
\$ OCD	WALL MOUNTED DUAL-TECHNOLOGY OCCUPANCY SENSOR WITH ON/OFF SWITCH & 0-10V DIMMING. EQUAL TO SENSORSWITCH #WSXA-PDT-D-ASL.	44" TO BTM. A.F.F
OC SL	CEILING MOUNTED, DUAL—TECHNOLOGY, STANDARD RANGE, LOW VOLTAGE OCCUPANCY SENSOR. EQUAL TO nLIGHT #nCM PDT 9 RJB	CEILING
OC LL	CEILING MOUNTED, DUAL—TECHNOLOGY, EXTENDED RANGE, LOW VOLTAGE OCCUPANCY SENSOR. EQUAL TO nLIGHT #nCM PDT 10 RJB	CEILING
(AD (SL)	CEILING MOUNTED, DUAL—TECHNOLOGY, STANDARD RANGE, LOW VOLTAGE W/ AUTO DAYLIGHT DIM. EQUAL TO nLIGHT #nCM—9—PDT—RJB—ADCX	CEILING
(AD)	CEILING MOUNTED, DUAL—TECHNOLOGY, EXTENDED RANGE, LOW VOLTAGE W/ AUTO DAYLIGHT DIM. EQUAL TO nLIGHT #nCM—10—PDT—RJB—ADCX	CEILING
O _{PA}	POWER PACK WITH ONE 16A RELAY CONTACT — AUTO ON. EQUAL TO nLIGHT #nPP16—EFP	ABOVE CEILING
O _{PD}	POWER PACK WITH ONE 16A RELAY CONTACT AND 0-10V DIMMING AUTO ON TO 50%. EQUAL TO nLIGHT #nPP16-D-EFP-PA	ABOVE CEILING
OSLCS-#	OCCUPANCY SENSOR LIGHTING CONTROL SCHEMATIC SEE REFERENCED NUMBER DETAIL	

SEISMIC PROTECTION NOTE!

CONTRACTOR SHALL PROVIDE SEISMIC BRACING SUPPORTS, ETC. FOR ALL MECHANICAL & ELECTRICAL EQUIPMENT & MATERIALS THAT WILL BE INSTALLED IN THE BUILDING PER THE LATEST ARKANSAS BUILDING CODE, THE LATEST INTERNATIONAL MECHANICAL CODE, THE NATIONAL ELECTRICAL CODE, & ANY OTHER APPLICABLE AGENCIES HAVING JURISDICTION.



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CONSTRUCTION DOCUMENTS

PROJECT NO.

PROJECT NAME

NEW SENIOR CENTER

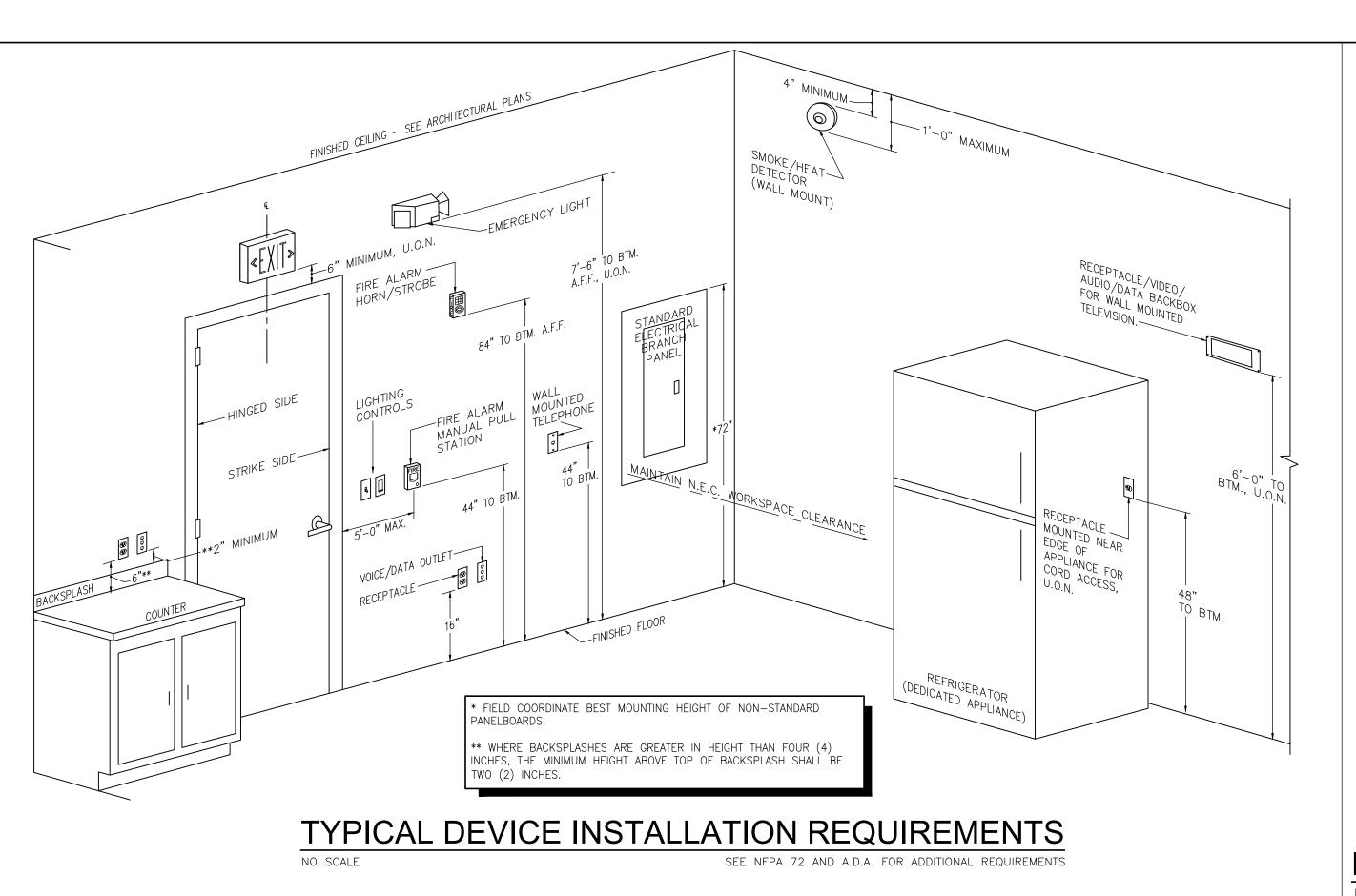
CONTENTS

SHEET NUMBER



DW COLLIER ENGINEERING, INC.

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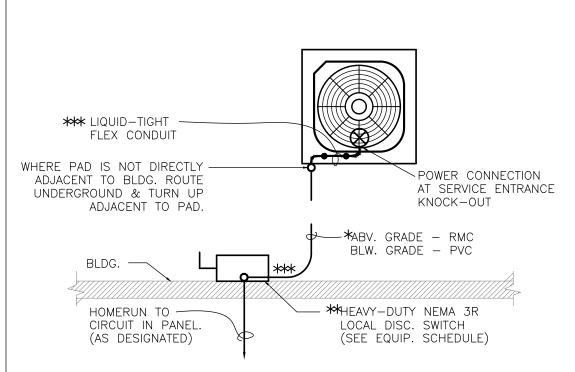
J-BOX MUST BE WITHIN 6FT OF DROP RACEWAY: EMT, IMC, RMC - ACOUSTICAL CEILING INSTALLATION NOTES:

1 ALL MC CABLE INSTALLATIONS MUST MEET REQUIREMENTS OF NEC ARTICLE 330. ALL MC CABLE MUST CONTAIN AN INSULATED EQUIPMENT GROUNDING CONDUCTOR. ALL ABOVE CEILING J-BOX'S MUST BE READILY ATMOST 6 FT ACCESSIBLE AND WITHIN 6FT OF CABLES VERTICAL DROP. IF NEAREST ACCESSIBLE CEILING SPACE IS MORE THAN 6FT FROM VERTICAL DROP, THEN CONTRACTOR MUST USE AN APPROPRIATE TYPE CIRCULAR RACEWAY WITH THHN CONDUCTORS FOR DROP TO DEVICE. MC CABLE SHALL NOT BE USED FOR THE FOLLOWING: — FRAMING SERVICE ENTRANCE MEMBER DIRECT BURIAL UNDERGROUND (TYP) EXPOSED (EXTERIOR) ATMOST 12" DEVICE MC CABLE -

*THE USE OF FLEX CONDUIT ROUTED DIRECTLY FROM DISC. TO SERVICE ENTRANCE KNOCK-OUT OF UNIT SHALL BE CONSIDERED UNACCEPTABLE.

**LOCAL DISC. SWITCH FOR UNIT SHALL NOT BE LOCATED DIRECTLY BEHIND UNIT, UNLESS 36'X30" WORKING CLEARANCE PER N.E.C. IS OBTAINED. OTHERWISE OFFSET DISC. AS SHOWN.

***ALL CONDUITS ABOVE PADS OR ROUTED ALONG WALLS, SHALL BE SUPPORTED WITH UNISTRUT. ALL NO POINT SHALL ANY CONDUIT BE IN DIRECT CONTACT WITH PADS OR BUILDING FINISHES.

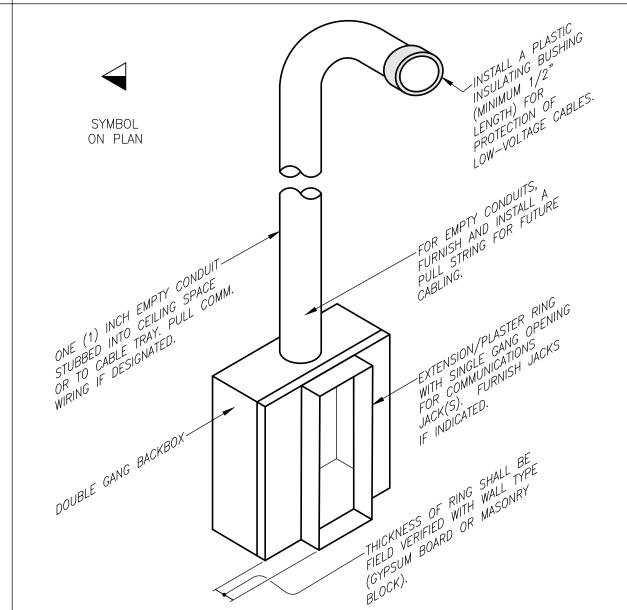


OUTDOOR HVAC UNIT POWER CONNECTION (TYP.)

METAL-CLAD CABLE: TYPE MC - INSTALLATION STANDARD

NO SCALE

DETAIL NO SCALE



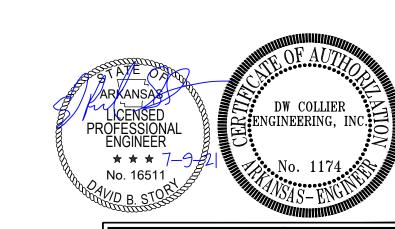
COMMUNICATIONS OUTLET -

SPECIFICATION NOTE: • STEEL 2-GANG WALL BOX WITH TWO (2) NEMA SIZE OPENINGS FOR POWER, COMMUNICATIONS AND A/V DEVICES. ADJUSTABLE TRIM RING FOR WALL THICKNESS FROM 1/2" TO 1-1/4". • FURNISH AND INSTALL FACEPLATES, DEVICES, AND HARDWARE, ETC. AS REQUIRED BY DRAWINGS. EQUAL TO PASS & SEYMOUR #TV2MW. COORDINATE TELEVISION/MONITOR AND WALL BOX MOUNTING HEIGHT AND PLACEMENT WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN. • FURNISH 1-1/4" TO 1" REDUCING WASHER TO FACILITATE CONNECTION OF 1" CONDUIT TO BOX. 1-1/4" TRADE SIZE KO (<u>FURNISH</u> <u>REDUCING</u> <u>WASHER</u>) IS0 SYMBOL ON PLAN

1—GANG BOX FOR LOW—VOLTAGE CABLES/JACKS. FURNISH AND INSTALL IF DESIGNATED.

FURNISH AND INSTALL A 120V, 20A DUPLEX RECEPTACLE IN — 1—GANG BOX FOR POWER.

FLAT TV / MONITOR BACKBOX DETAIL



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NEW SENIOR CENTER

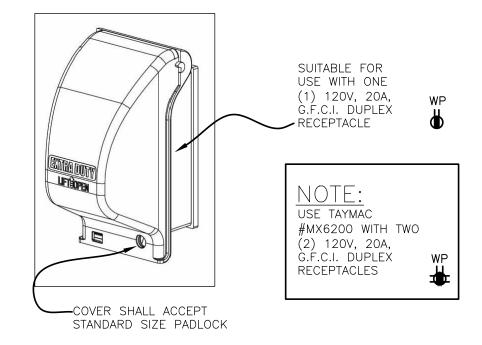
DATE 2021-7-9

CONTENTS

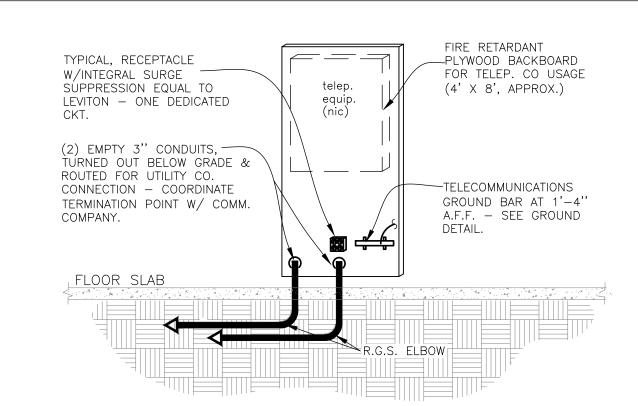
SHEET NUMBER

E-002

PER N.E.C. 406.9(B), FURNISH AND INSTALL ALL EXTERIOR AND GARAGE RECEPTACLES WITH A EXTRA-DUTY GRADE "WHILE IN USE" WET LOCATION COVER. THE COVER SHALL BE U.L. 514D LISTED. EQUAL TO TAYMAC #MX3200 FOR SINGLE GANG G.F.C.I. RECEPTACLE. COVER INCLUDE GASKETS "AND HARDWARE FOR A COMPLETE INSTALLATION. COVER SHALL BE METALLIC.



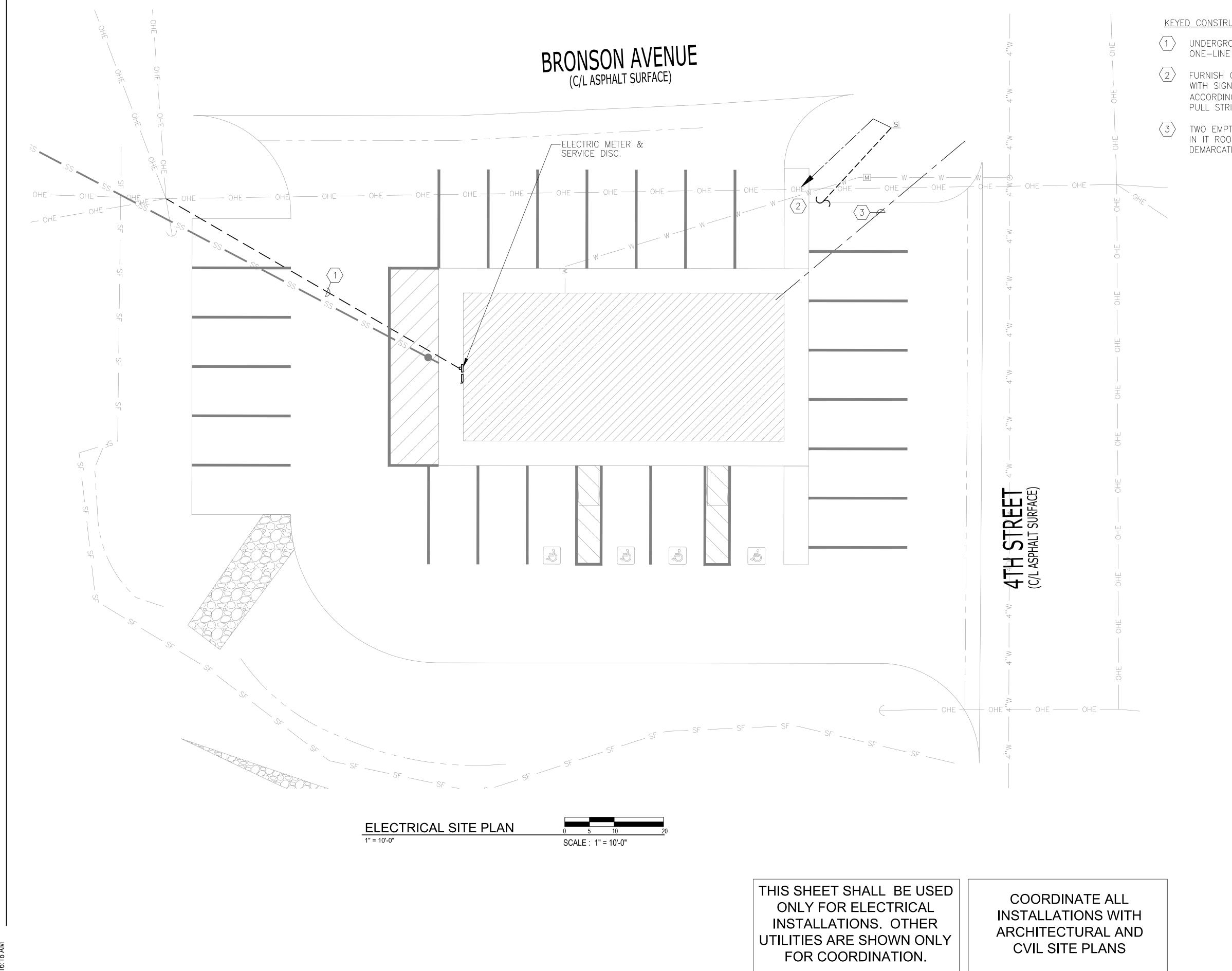
EXTRA-DUTY DEVICE COVER



TELEPHONE EQUIPMENT BACKBOARD

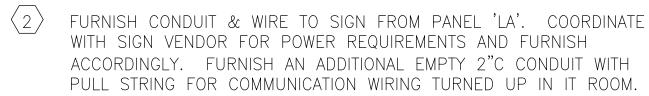
NO SCALE

COLLIER CE PROJECT NO. 21-090



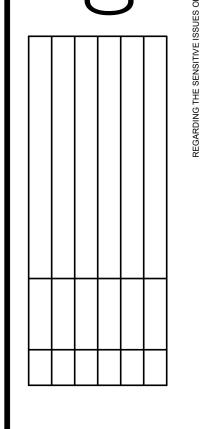
KEYED CONSTRUCTION NOTES:

1 UNDERGROUND ELECTRIC SECONDARY CONDUIT BY CONTRACTOR. SEE ONE-LINE DIAGRAM.



TWO EMPTY 3"C FOR TELCO UTILITIES TURNED UP AT COMM. BOARD IN IT ROOM. COORD. WITH LOCAL UTILITIES FOR ROUTING THEIR DEMARCATION POINT.

MAMMOT



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A R C H I T E C T S 505 union street, 2nd flr jonesboro, ar 72401 phone 870.336.0536 www.coopermixon.com

CONSTRUCTION DOCUMENTS

PROJECT NO.

PROJECT NAME

NEW SENIOR CENTER

DATE

2021-7-9

CONTENTS

SHEET NUMBER



★ ★ ★ No. 16511

EQUIPMENT LABELING REQUIREMENTS

ALL ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO SWITCHBOARDS, PANELBOARDS, ENCLOSED C.B.'S, FUSED AND NON-FUSED DISC. SW., MOTOR CONTROLS, ETC., SHALL BE LABELED IN ACCORDANCE WITH THE FOLLOWING:

- 1. LABEL SHALL BE AN ENGRAVED BAKELITE TAG BLACK BACKGROUND WITH WHITE LETTERING.
- 2. LABEL SHALL BE ATTACHED TO EQUIPMENT WITH SILICONE ADHESIVE.
- ALL LABELS SHALL HAVE AN EQUIPMENT NAME AT THE TOP IN SLIGHTLY LARGER LETTERING THAN OTHER TEXT ON THE LABEL. FOR PANELBOARDS OR SWITCHBOARDS, THE NAME SHALL BE THE NAME OF SAID EQUIPMENT. FOR DISCONNECTS, STARTERS, ETC., THE NAME SHALL BE THE EQUIPMENT BEING FED.
- 4. ALL LABELS SHALL INCLUDE THE UPSTREAM EQUIPMENT NAME AND CIRCUIT # THAT IS PROVIDING POWER TO SAID EQUIPMENT. IN THE CASE OF SERVICE EQUIPMENT, JUST REPLACE THIS LINE WITH THE WORDS "SERVICE EQUIPMENT"
- 5. ALL LABELS SHALL INCLUDE THE FOLLOWING INFORMATION: VOLTAGE(S), PHASES, 3 OR 4 WIRE, MAIN OC DEVICE OR MAIN LUG, AMP RATING, AND PHASE AND NEUTRAL WIRE COLORS.

IN ADDITION TO THE ABOVE LABEL, ANY EQUIPMENT THAT CONTAINS OVERCURRENT OR SWITCHING DEVICES SHALL HAVE ADDITIONAL INFORMATION ACCORDANCE WITH THE FOLLOWING:

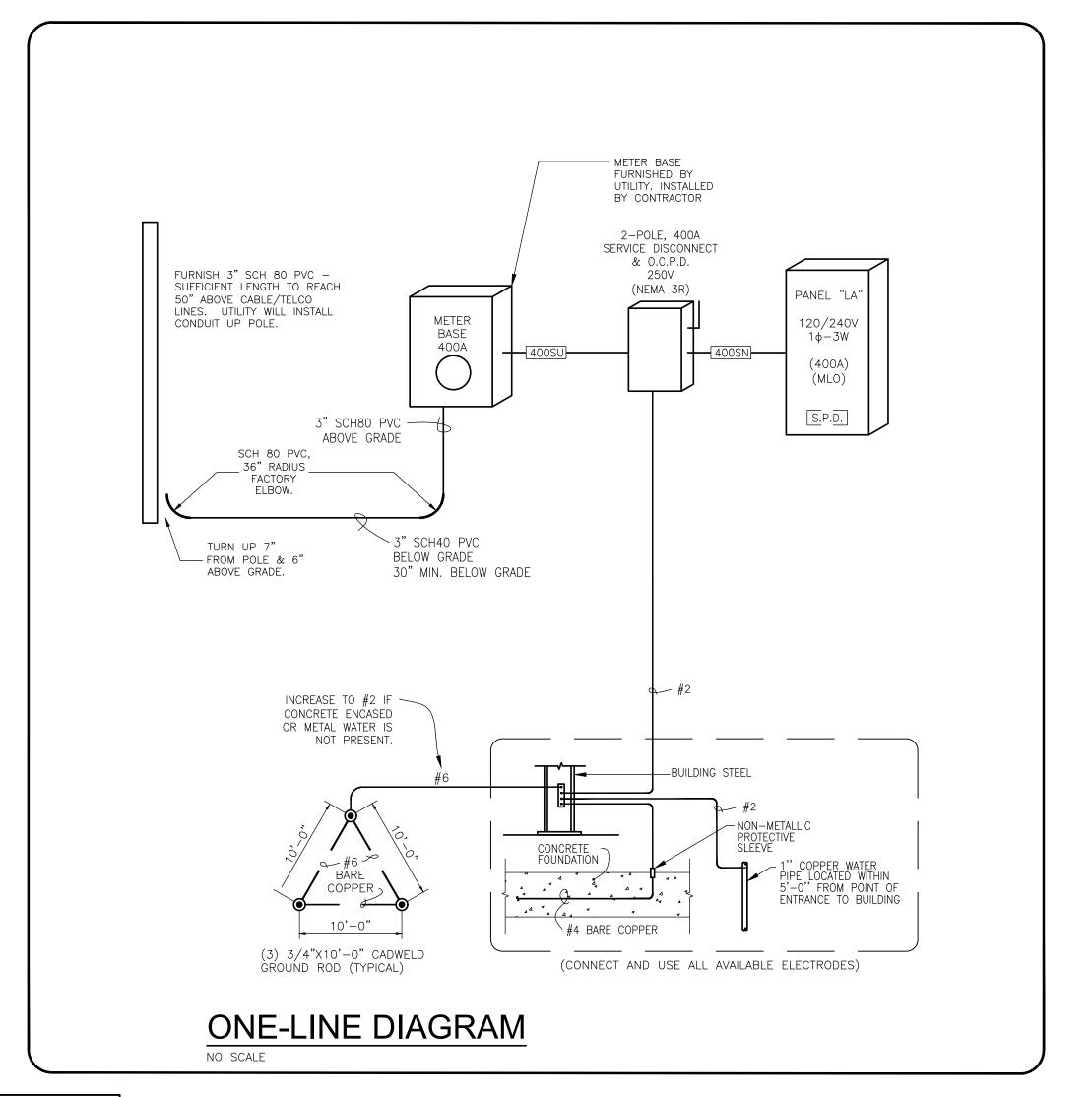
1. ENGRAVED BAKELITE TAG - EITHER A SECOND LABEL OR ADD TO THE FIRST LABEL ABOVE.

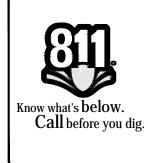
SINGLE PHASE PANELBOARD SCHEDULE

VOLTAGE: 240 /120

PANELBOARD NAME:

- 2. LABEL SHALL INCLUDE, AT MINIMUM, THE FOLLOWING INFORMATION:
- a. AVAILABLE FAULT CURRENT b. DATE THE LABEL WAS CREATED
- 3. THE ENGINEER OF RECORD WILL PROVIDE THE ABOVE INFORMATION TO CONTRACTOR PRIOR TO PROJECT COMPLETION. CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE WEEK'S NOTICE TO ENGINEER FOR TIME TO PERFORM CALCULATIONS.
- 4. TO ASSIST THE ENGINEER IN PROVIDING ACCURATE DATA, AT THE TIME OF REQUEST, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION TO THE ENGINEER: THE LENGTH AND SIZE OF ALL SERVICE AND FEEDER CONDUCTORS AND BRANCH CONDUCTORS TO UTILIZATION EQUIPMENT REQUIRING LABELS, TYPE OF WIRING METHOD USED, CU OR AL CONDUCTORS.





ITILITY COORDINATION NOTES: CONTRACTOR SHALL COORDINATE ALL MAIN SERVICE REQUIREMENTS AND LOCATIONS WITH UTILITY COMPANY, PRIOR TO BIDDING.

ALL FEES, MATERIALS, TRENCHING, LABOR, POWER DISTRIBUTION EQUIPMENT, ETC., REQUIRED BY THE UTILITY COMPANY, TO PROVIDE SERVICE TO THE BUILDING, SHALL BE INCLUDED IN THE CONTRACTOR'S

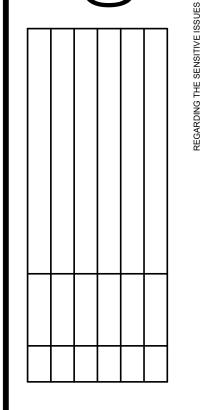
ANY DISCREPANCIES AND/OR OMISSIONS, DUE TO FAILURE TO CONTACT UTILITY COMPANY AND/OR LACK OF COORDINATION PRIOR TO BID, SHALL BE AT THE CONTRACTOR'S EXPENSE.

	COPPER FEEDER SCHEDULE													
FEEDER CODE	CONDUIT QTY & SIZE	PHASE COND. QTY & SIZE PER RACEWAY	NEUTRAL COND. QTY & SIZE PER RACEWAY	GND COND. QTY & SIZE PER RACEWAY										
SINGLE PHASE UT	ILITY													
400SU	2 @ 2-1/2"	(2) #3/0 AWG	(1) #3/0 AWG	(NONE)										
SINGLE PHASE W	/ NEUTRAL													
400SN	2 @ 2-1/2"	(2) #3/0 AWG	(1) #3/0 AWG	(1) #3 AWG										



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CONSTRUCTION DOCUMENTS

PROJECT NO.

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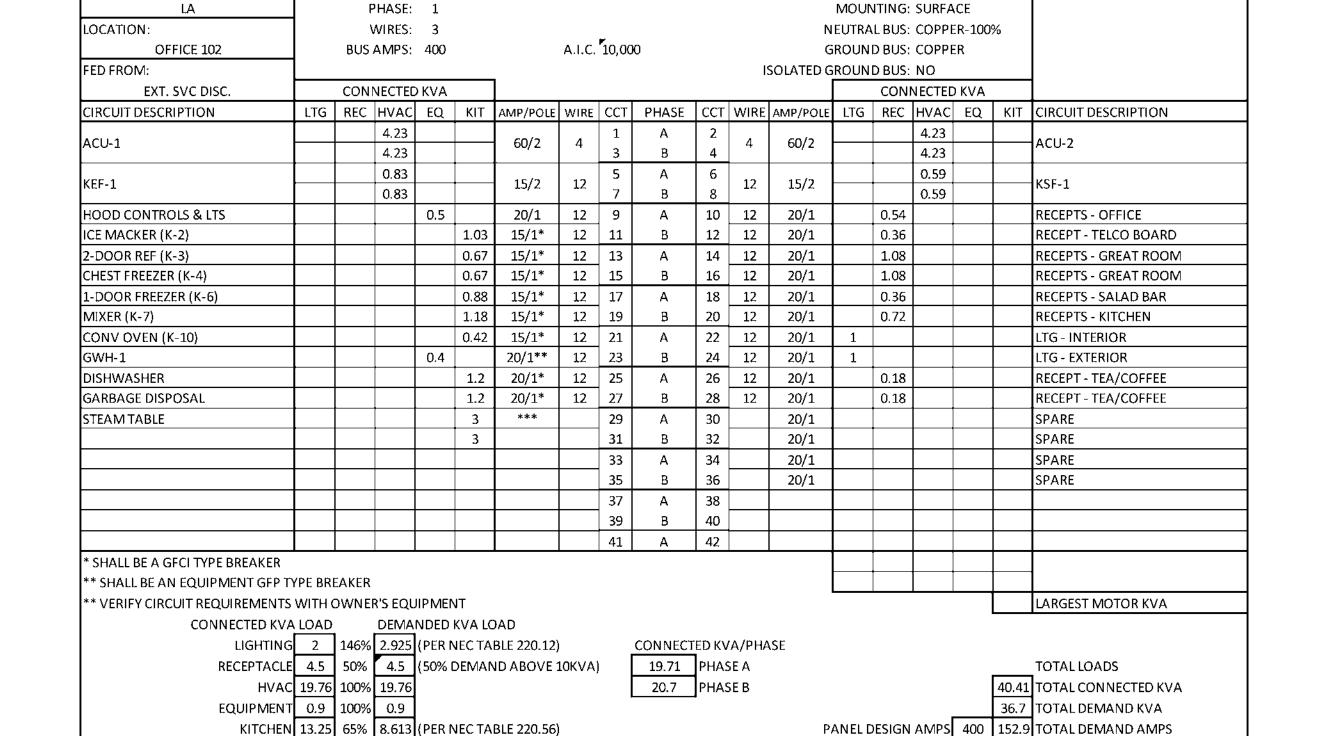
NEW SENIOR CENTER

DATE

2021-7-9 CONTENTS

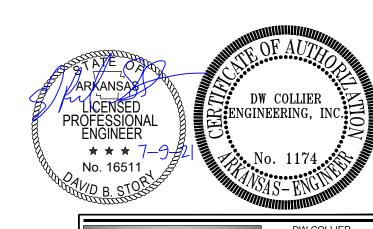
ONE-LINE DIAGRAM & PANEL SCHED.

SHEET NUMBER



MAIN: 400 MLO

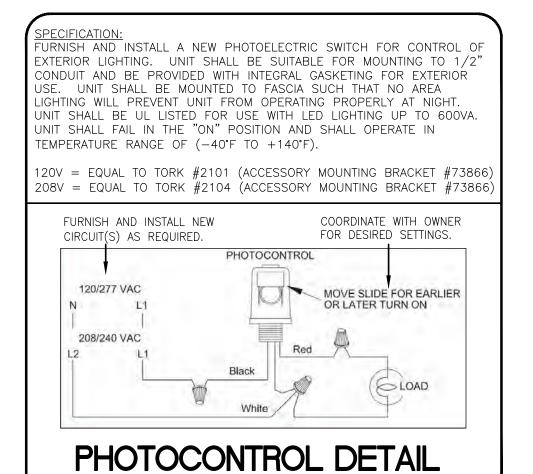
FEATURES:

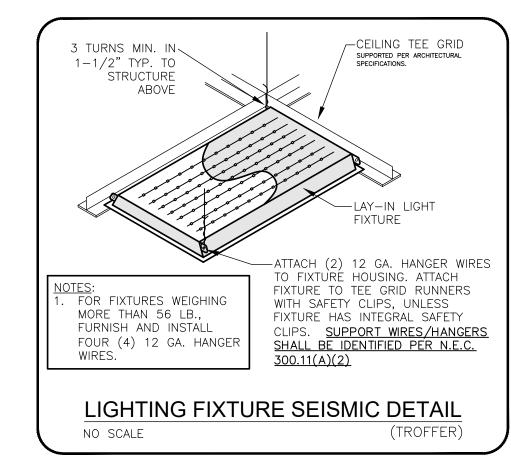


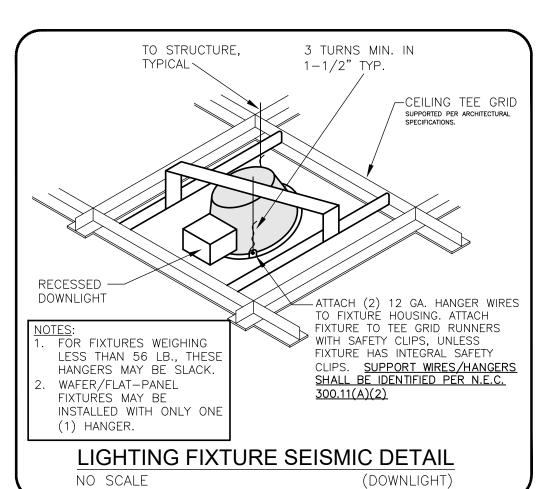
LIGHTING FIXTURE SCHEDULE TYPE MANUFACTURER CATALOG NUMBER LAMP VOLTAGE MOUNTING FINISH REMARKS WATTS NOTES LITHONIA 4800 LUM. 2BLT4 48L ADP LP835 120V RECESSED IN WHITE 2'X4' RECESSED LED WITH CURVED CENTER DIFFUSER 38W ACOUSTIC TILE LED OR EQUAL AINOHTI. CPANL 2X4 40/50/60LM 40K 32/42 WHITE 4K/5K/6K 120V RECESSED IN 2'X4' RECESSED FLAT PANEL WITH SELECTABLE LUMEN DRIVER #=4 4000LUM, #=5 5000LUM, #=6 6000LUM ACOUSTIC TILE /52 W LUM. LED OR EQUAL AINOHTL CLEAR TRIM 6" ROUND LED DOWNLIGHT LDN6 35/15 LO6 AR LSS 1500 LUM. 120V RECESSED IN 20.5W MVOLT EZ10 LED A.C.T. OR GYP. BOARD SEMI-SPECULAR OR EQUAL AINOHTL FMVCCL 24IN MVOLT 30K BN 1391 LUM. 120V WALL MOUNT BRUSHED 2FT LED CYLINDER VANITY 17.7W LED ABOVE MIRROR NICKEL OR EQUAL LITHONIA ELM6L UVOLT SDRT 1100 LUM. WALL MOUNT @ TWO HEAD EMERGENCY LIGHT UNIT 120V 7'-6" TO BOTTOM A.F.F. LED W/ SELF DIAGNOSTICS OR EQUAL AINOHTL WDGE2 P4 40K VF MVOLT 4500 LUM. 120V WALL MOUNT @ 10'-0" DARK LED WALL PACK — ARCHITECTURAL WEDGE SHAPE — FORWARD THROW ABV FINISHED GRADE BRONZE LED DDBXD OR EQUAL AINOHTL WDGE2 P4 40K VF MVOLT 4500 LUM. 120V WALL MOUNT @ 10'-0" LED WALL PACK - ARCHITECTURAL WEDGE SHAPE - FORWARD THROW 35W BRONZE ABV FINISHED GRADE E10WH DDBXD LED INTEGRAL EMERGENCY BATTERY OR EQUAL AINOHTI. CSS L48 AL03 MVOLT 5000 LUM. 120V SURFACE 4 FT LED STRIP LIGHT W/ FROSTED DIFFUSER 43.9W LED 40K 80CRI OR EQUAL LITHONIA WHITE WITH | LED COMBO LIGHT/EXIT SIGN WITH ARROW KNOCKOUTS, SELF-DIAGNOSTIC, LHQM LED R HO SD LED 120V UNIVERSAL 1XH,2XH CANOPY RED LETTERS AND HIGH OUTPUT TO POWER REH. 2-SIDED FIELD CONVERTIBLE. OR EQUAL LITHONIA ELA T QWP L0309 SD LED-1.5W STANDARD TWIN REMOTE HEADS POWERED FROM "XE" OR "XH" 9.6V WALL MOUNT REH PER HEAD 7'-0" A.F.F. FINISH W/ SELF DIAGNOSTICS OR EQUAL

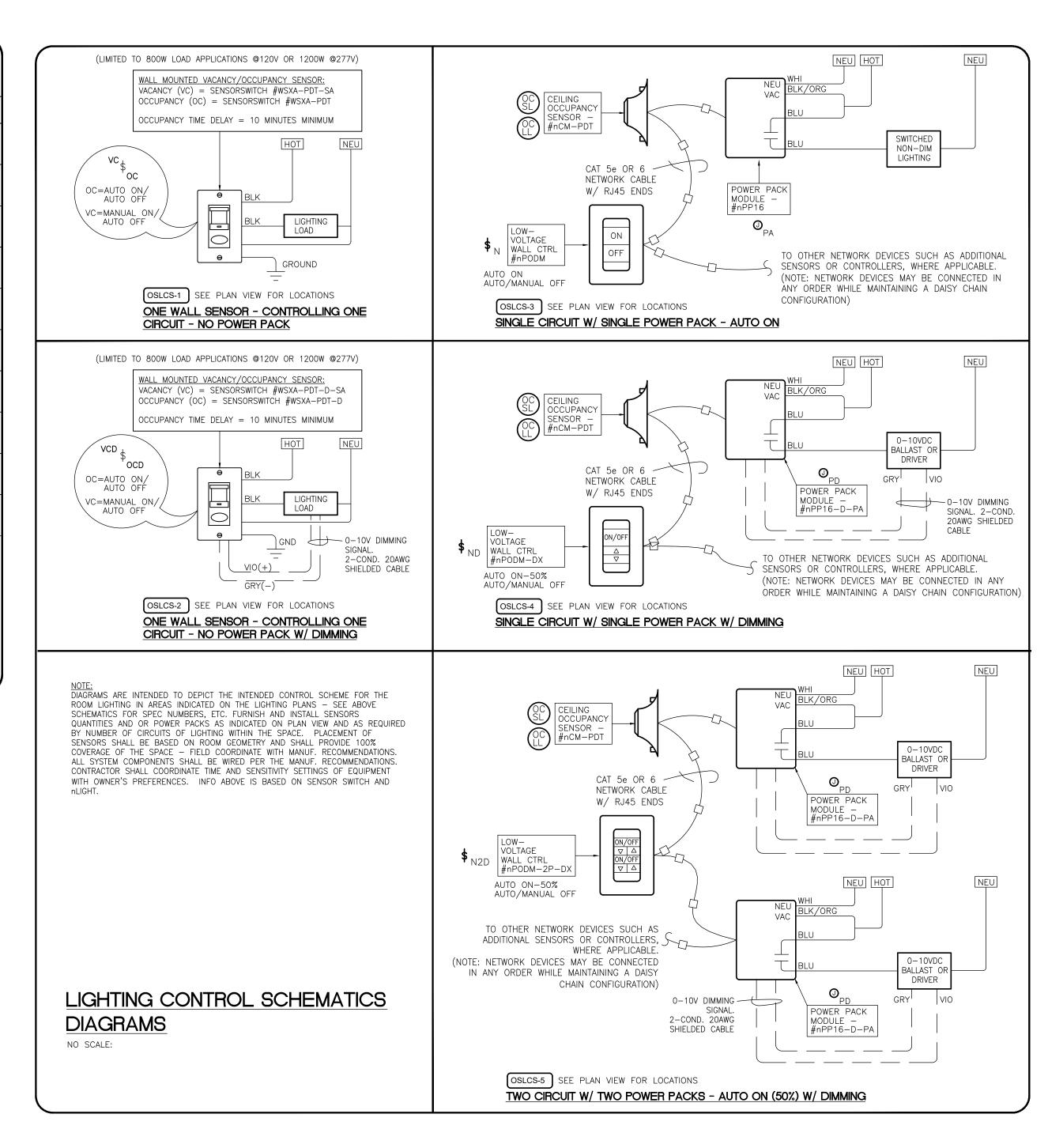
NOTES FOR SPECIFIC FIXTURES:

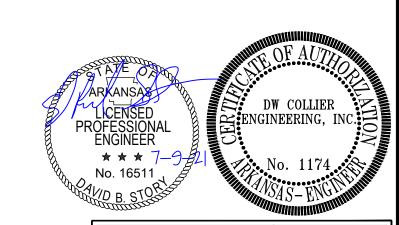
- 1. THESE FIXTURE TYPES SHALL BE A SELF-CONTAINED EMERGENCY UNIT COMPLETE WITH BATTERIES, CHARGERS AND TRANSFER MECHANISMS AND SHALL BE CONNECTED TO <u>UNSWITCHED</u> CONDUCTORS. THESE FIXTURES SHALL BE CONNECTED TO THE CIRCUIT SERVING NORMAL POWERED LIGHTING FIXTURES IN THE SAME SPACE PER N.E.C. #700.12(F).
- 2. SEE SEISMIC DETAIL. LAY-IN FIXTURES SHALL BE SUPPORTED WITH A MINIMUM OF FOUR (4) INDEPENDENT WIRES SEPARATE FROM CEILING SUPPORT WIRES. FURNISH DOWNLIGHTS ("CAN
- LIGHTS") WITH A MINIMUM OF TWO (2) INDEPENDENT WIRES SEPARATE FROM CEILING SUPPORT WIRES.
- 3. FIXTURE TYPES "#E" ARE THE SAME AS FIXTURE TYPES "#", RESPECTIVELY, EXCEPT WITH SELF—CONTAINED EMERGENCY BATTERY BACKUP AND FACTORY MOUNTED INTEGRAL TEST SWITCH IN FIXTURE. PULL AN UNSWITCHED CONDUCTOR TO THE SELF-CONTAINED EMERGENCY BATTERY UNIT TRANSFER MECHANISM. SEE N.E.C. #700.12(F).
- 4. THE NUMBER AT BEGINNING OF FIXTURE ID INDICATES IF THE EXIT SIGN SHOULD BE ONE OR TWO-SIDED.











SHEET NUMBER ENGINEERING, INC **COLLIER** 720 BROADWAY STREET SUITE 100 SOUTH FULTON, TN 38257 PH. (731) 479-2115 www.dwcolliereng.com

CE PROJECT NO. 21-090

COOPER MIXON

505 union street, 2nd flr jonesboro, ar 72401

CONSTRUCTION

DOCUMENTS

PROJECT NO.

PROJECT NAME

NEW SENIOR CENTER

DATE

2021-7-9

CONTENTS

& DETAILS

LIGHTING SCHEDULE

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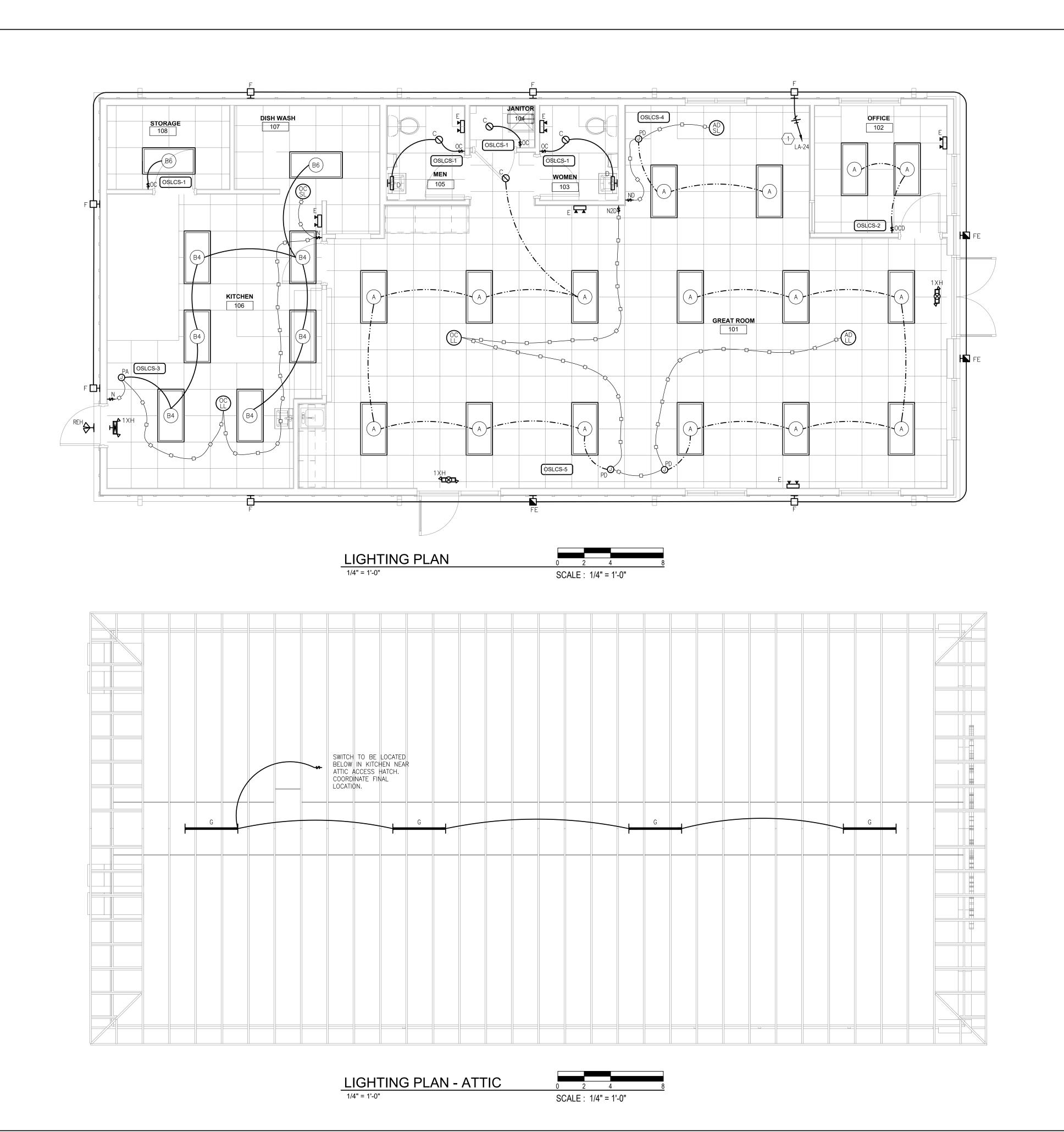
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KEYED CONSTRUCTION NOTES:

1 LOOP CIRCUIT THRU PHOTOCELL. SEE DETAIL.

LIGHTING CIRCUITRY NOTE:
ALL INTERIOR LIGHTING
SHALL BE SERVE BY PANEL

"LA" CIRCUIT #22.

NOTE: CARRY UNSWITCHED CONDUCTOR FROM LIGHT CIRCUIT SERVING THE NORMAL LIGHTING IN A SPACE AS REQUIRED TO EXIT SIGNS AND EMERGENCY LIGHTS PER NEC 700.12(F).

NOTE: THE OCCUPANCY SENSOR LAYOUT ON THESE PLANS IS AN APPROXIMATION TO SHOW MINIMUM DESIGN INTENT. THE CONTRACTOR SHALL COORDINATE WITH THE EQUIPMENT SUPPLIER TO ENSURE THAT THE OCCUPANCY SENSOR TYPE, QUANTITIES AND LOCATIONS INSTALLED WILL PROPERLY CONTROL LIGHTS IN ALL AREAS.

NOTE: PROVIDE THOROUGH ON SITE FACTORY TRAINING TO OWNER IN OPERATION, PROGRAMMING, SETUP AND MAINTENANCE OF EACH OCCUPANCY SENSOR DEVICE. PROVIDE DOCUMENTATION OF TRAINING SIGNED BY OWNER, TO ARCHITECT/ENGINEER PRIOR TO FINAL INSPECTION.

OF MAMMOTH SPRING

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PROJECT NO.

DOCUMENTS

2114

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2021-7-9 CONTENTS

LIGHTING PLAN

SHEET NUMBER

COLLIER

ENGINEERING, INC.
720 BROADWAY STREET
SUITE 100
SOUTH FULTON, TN 38257
PH. (731) 479-2115
www.dwcolliereng.com

CE PROJECT NO. 21-090

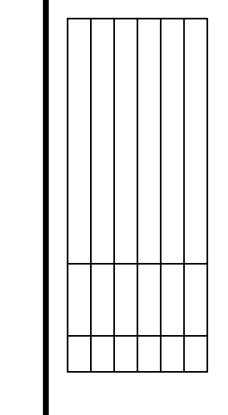
DW COLLIER ENGINEERING, INC.

★ ★ ★ 7-No. 16511

KEYED CONSTRUCTION NOTES:

- 1 MOUNT DEVICE ABOVE COUNTER
- STEAM TABLE: ELECTRICAL REQ'S UNKNOWN AT DESIGN TIME. FOR BID PURPOSES, FIGURE 3 #12'S FROM PANEL TO EQUIPMENT AND A 20A,2P BREAKER. COORDINATE WITH EQUIPMENT PRIOR TO ROUGH—IN AND ADJUST CONDUIT & WIRE SIZES ACCORDINGLY.
- DISHWASHER: ELECTRICAL REQ'S ARE 120V, 10A. FURNISH AND INSTALL 3 #12'S TO A 20A,1P BREAKER IN PANEL 'LA'.
- $\langle 4 \rangle$ Garbage disposal: Furnish and install 3 #12's from a 20a,1p breaker in panel 'la' to unit.
- 5 LOOP THIS DEVICE THRU KITCHEN HOOD SHUTDOWN CONTACTOR.

<u>CIRCUITRY NOTE</u>: ALL CIRCUITS SHOWN HERE SHALL BE SERVE BY PANEL "LA".



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E. C. TO COOPER MIXON
A R C H I T E C T S

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CONSTRUCTION

PROJECT NAME

NEW SENIOR CENTER

DATE 2021-7-9

CONTENTS

POWER PLAN

SHEET NUMBER

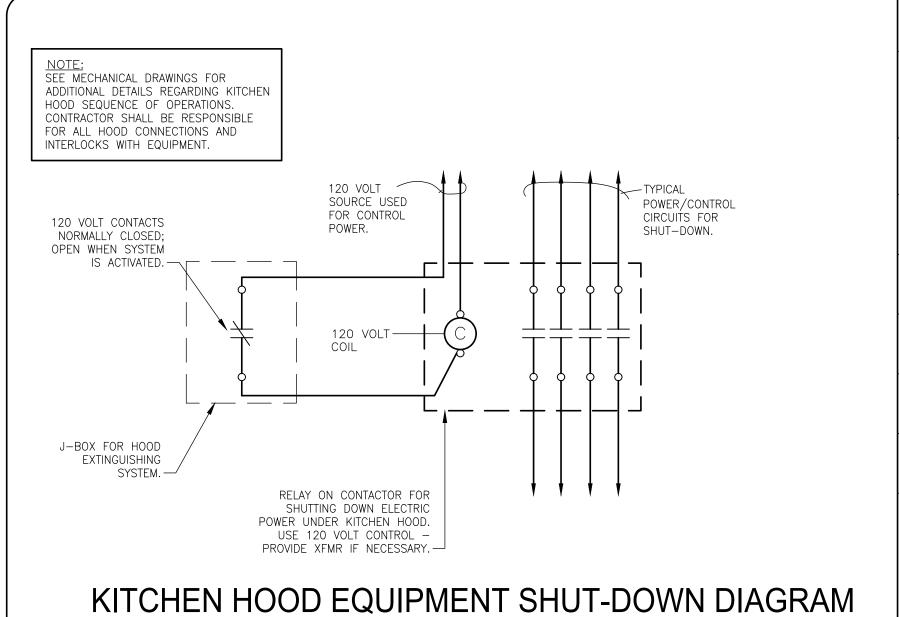
DW COLLIER ENGINEERING, INC. COLLIER 720 BROADWAY STREET SUITE 100 SOUTH FULTON, TN 38257 PH. (731) 479-2115 www.dwcolliereng.com

DW COLLIER

ENGINEERING, INC.

* * * 7

No. 16511



1/4" = 1'-0"

	Kľ	TCHEN	EQUIP	MENT -	ELECTRICA	L SCH	HEDULE	E. C. PRO	TO VIDE
				ROUGH-IN	I PLAN			RECEP.	DIRECT CONN.
ITEM NO.	SERVICE LOAD	PANEL	"HACR" BKR SIZE	WIRE SIZE	DISCONNECT SWITCH	HEIGHT	DESCRIPTION		
K-2	8.6A - 120V-1Ø	"LA-11"	1P15A G.F.C.I.	3 #12		48"	ICE MAKER	SIMPLEX 5-20R	
K-3	1/3HP, 5.6A - 120V-1Ø	"LA−13"	1P15A G.F.C.I.	3 #12		48"	DOUBLE DOOR REACH-IN REF.	SIMPLEX 5-20R	
K-4	5A - 120V-1Ø	"LA-15"	1P15A G.F.C.I.	3 #12		48"	CHEST FREEZER	SIMPLEX 5-20R	
K-6	1/3HP - 120V-1Ø	*LA-17*	1P15A G.F.C.I.	3 #12		48"	UPRIGHT FREEZER	SIMPLEX 5-20R	
K-7	1/2HP - 120V-1Ø	"LA-19" (NOTE #1)	1P15A G.F.C.I.	3 # 12		48"	MIXER	SIMPLEX 5-20R	
K-10	3.5A - 120V-1Ø	"LA-21" (NOTE #1)	1P15A G.F.C.I.	3 #12		24"	GAS CONVECTION OVEN	SIMPLEX 5-20R	

EQUIPMENT NOTES:

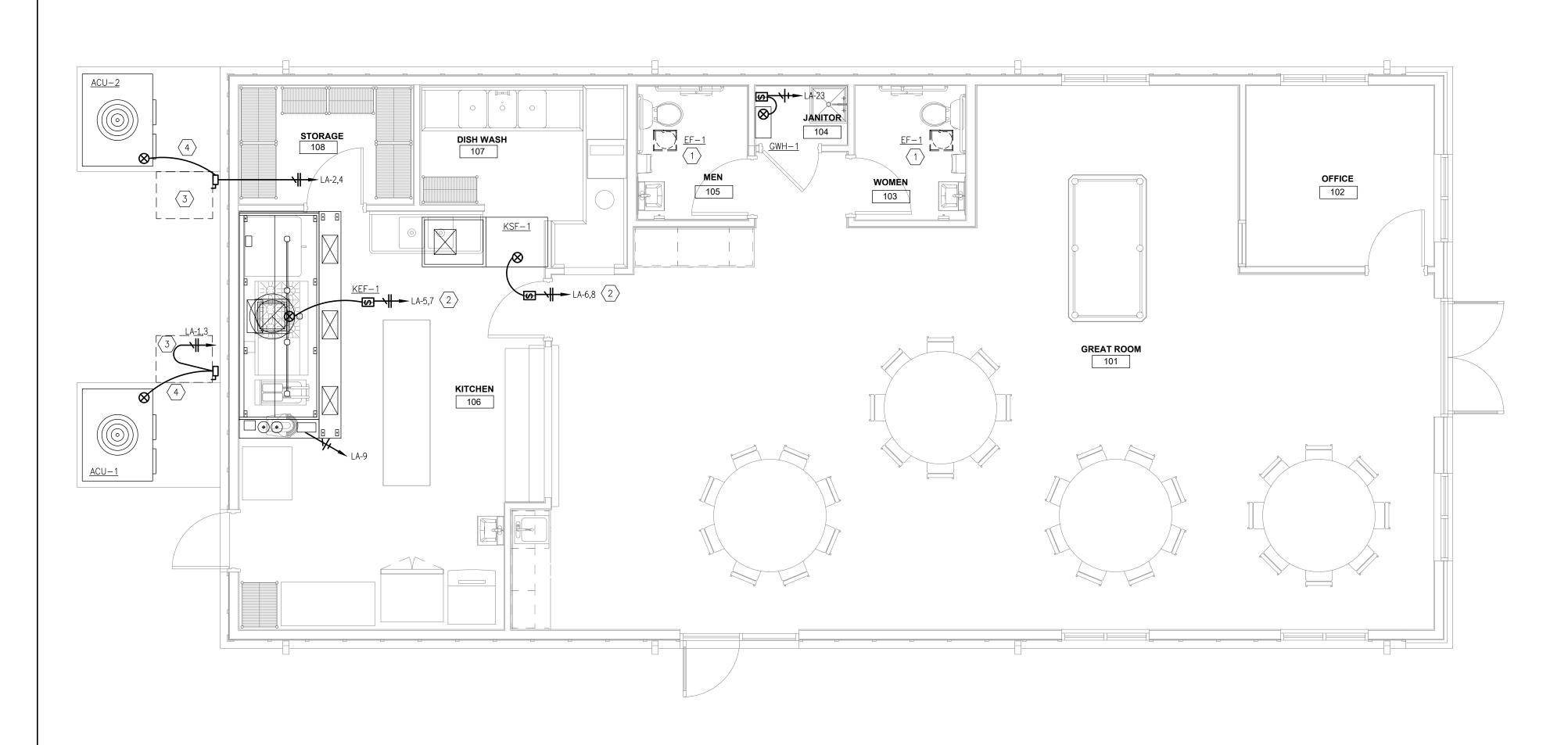
SCALE: 1/4" = 1'-0"

1. LOOP CIRCUIT THRU SHUTDOWN CONTACTOR. SEE DETAIL

GENERAL NOTES:

- * SEE DRAWING FOR UNIT QUANTITIES AND LOCATION OF EQUIPMENT.
- * FIELD COORDINATE EXACT RECEPTACLE CONFIGURATION WITH PLUG CONFIGURATION OF ALL CORD CONNECTED EQUIPMENT.
- * COORDINATE BREAKER AND WIRE SIZE WITH ACTUAL EQUIPMENT SUPPLIED.
- * VERIFY ACTUAL LOCATIONS OF KITCHEN EQUIPMENT WITH OWNER FOR FINAL LOCATIONS AND REQUIREMENTS.
- * ALL G.F.C.I. CIRCUIT BREAKERS SHALL HAVE DEDICATED NEUTRAL CONDUCTORS.

CE PROJECT NO. 21-090



MECHANICAL EQUIPMENT CONNECTION SCHEDULE

				LOAD		HACR	LOCAL	DISCONNI	ECTING ME	ANS		Ç	STARTERS (F	ER UNIT)			CIRCUITR				
EQUIPMENT DESIGNATION	VOLTAGE & PHASE	LOCATION	kW	hp	MCA	CIRCUIT BREAKER	N.F.D.S. SIZE	F.D.S. SIZE	FUSE SIZE	NEMA ENCL.	MAGNETIC (SIZE)	COMBINATION (SIZE)	MANUAL (SIZE)	MANUAL W/ NO O.L.	NEMA ENCL.	PANEL	CONDUIT SIZE MIN.	WIRE QTY& SIZE	GROUND QTY& SIZE	METHOD OF CONTROL	REMARKS
ACU-1,2	240V/1ø	EXT			39.1	2P60	2P60			3R						LA	3/4"	2 #4	1 #10	SEE MECH. SPEC	
KEF-1	240V/1ø	ROOF		3/4		2P15							2P20		3R	LA	1/2"	2 #12	1 #12	SEE MECH. SPEC	
KSF-1	240V/1ø	ROOF		1/2		2P15							2P20		3R	LA	1/2"	2 #12	1 #12	SEE MECH. SPEC	
EF-1	120V/1ø	RR	.025														1/2"	2 #12	1 #12	SWITCH W/ LIGHTS	

MECHANICAL POWER PLAN

SCALE: 1/4" = 1'-0"

- 1. REFER TO ELECTRICAL DRAWINGS AND BUSSING DIAGRAMS FOR UNIT QUANTITIES. REFER TO MECHANICAL DRAWINGS TO VERIFY QUANTITIES AND EXACT PLACEMENT. PLACEMENT OF ELECTRICAL DEVICES SERVING EQUIPMENT SHALL NOT INTERFERE WITH MANUFACTURER'S SERVICE CLEARANCES. MAINTAIN PROPER N.E.C. WORKING CLEARANCES FOR ELECTRICAL DEVICES INSTALLED ON OR NEAR UNIT.
- 3. FURNISH AND INSTALL A NEW WEATHERPROOF, 120V, 20A, G.F.C.I. DUPLEX RECEPTACLE MOUNTED ON SUITABLE SUPPORT NEAR UNIT. CONNECT TO NEAREST 120V GENERAL RECEPTACLE CIRCUIT, UNLESS OTHERWISE NOTED. VERIFY LOADING. 4. FURNISH AND INSTALL ALL FIELD AND/OR INTERLOCK WIRING REQUIRED TO COMPLETELY CONNECT SYSTEM FOR FUNCTIONALITY.
- CONTRACTOR SHALL INSTALL ANY ELECTRICAL DEVICES THAT ARE SHIPPED LOOSE WITH EQUIPMENT, UNLESS OTHERWISE NOTED.
- COORDINATE WITH MECHANICAL CONTRACTOR FOR CONTROL WIRING REQUIREMENTS AND/OR CONDUITS THAT NEED TO BE FURNISHED AND INSTALLED BY A LICENSED ELECTRICIAN THAT ARE RELATED TO THIS SYSTEM.

 DUCT SMOKE DETECTORS SHALL BE TIED TO AND SUPERVISED BY THE FIRE ALARM SYSTEM. CONTRACTOR SHALL FURNISH AND INSTALL DUCT SMOKE DETECTORS. SEE DRAWINGS FOR LOCATIONS. COORDINATE WITH MECHANICAL CONTRACTOR.
- 8. FOR RESTROOM/TOILET EXHAUST FANS THAT ARE CONNECTED TO SWITCHED LIGHTING CIRCUITS AND CONTROLLED BY OCCUPANCY SENSORS SHALL RUN FOR A MINIMUM OF TEN (10) MINUTES AFTER NO OCCUPANCY IS DETECTED. CONTRACTOR SHALL ADJUST OCCUPANCY SENSOR SETTINGS TO ACCOMPLISH THIS.

KEYED CONSTRUCTION NOTES:

- (1) CONNECT FAN TO SWITCHED LIGHTING CIRCUIT.
- 2 LOOP HOOD FANS THRU HOOD CONTROLLER. REFER TO HOOD CONTROL WIRING DIAGRAM FROM MANUFACTURER.
- COORDINATE WITH EQUIPMENT INSTALLER FOR UNIT & DUCT LOCATIONS. LOCATE DISCONNECT SUCH THAT NEC 110.26 WORKING CLEARANCE IS MAINTAINED IN FRONT OF
- EXTERIOR CONDUITS FROM DISC. TO UNIT SHALL BE PROPERLY SUPPORTED WITH UNISTRUT BETWEEN CONDUIT AND SURFACE. CONDUITS SHALL NOT COME IN DIRECT CONTACT WITH CONCRETE OR BUILDING FINISHES.



CENTER

SENIO

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CONSTRUCTION

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