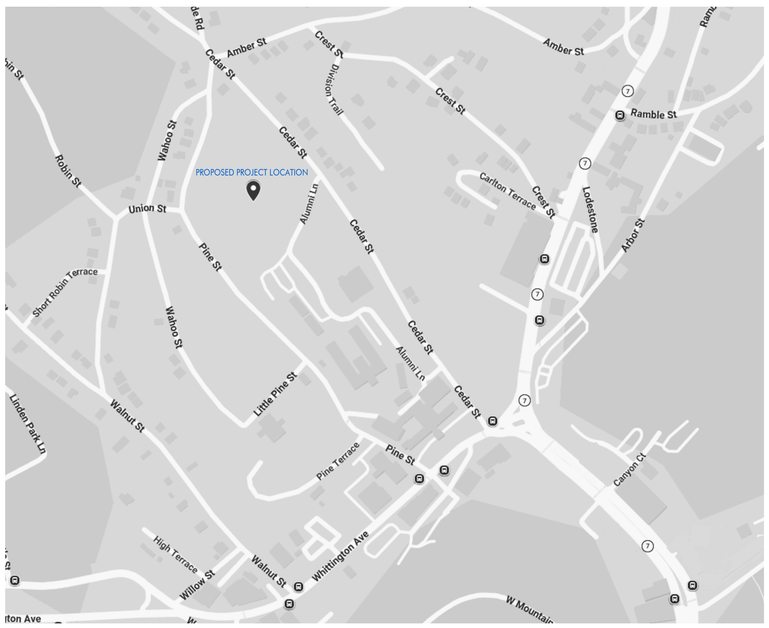
ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES, AND THE ARTS

ALUMNI HALL & NEW CHARTER FIELD
HOT SPRINGS, ARKANSAS





VICINITY PLAN
NTS DRAWN BY: HP

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS

ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

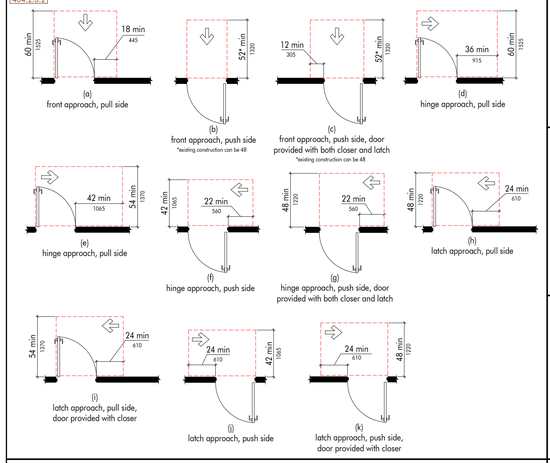
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director review

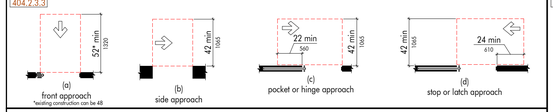
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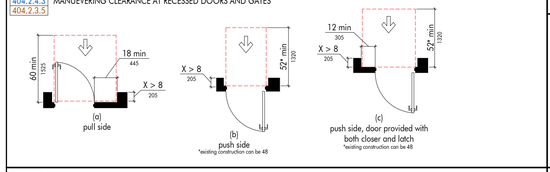
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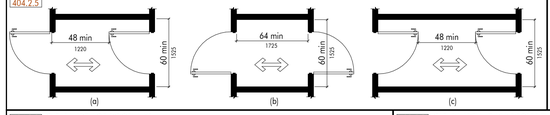
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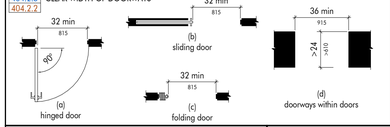
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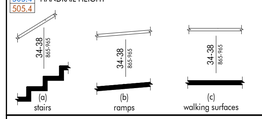
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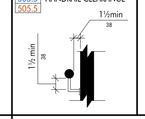
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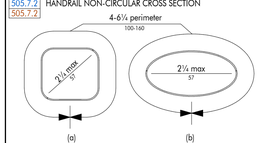
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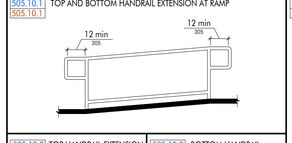
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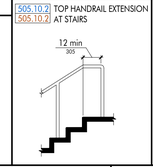
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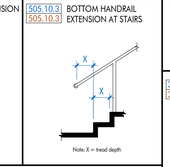
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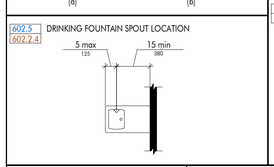
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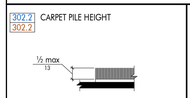
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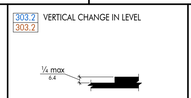
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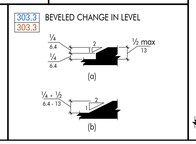
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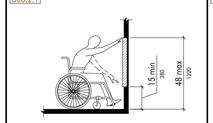
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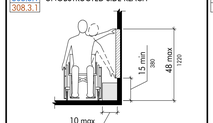
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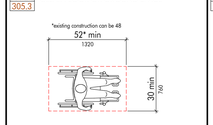
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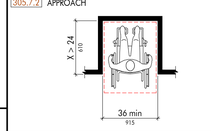
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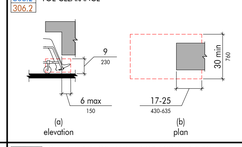
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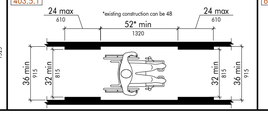
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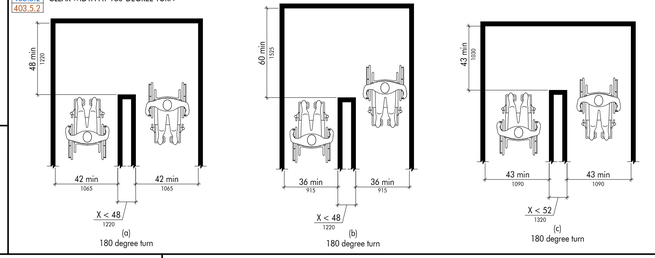
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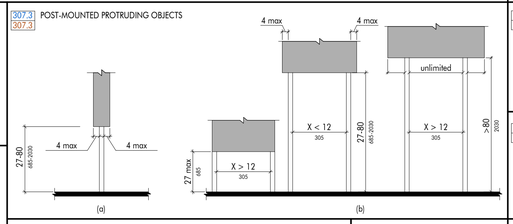
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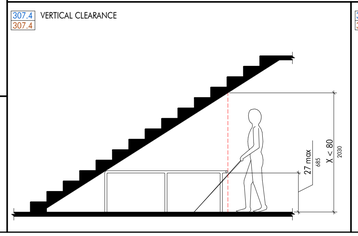
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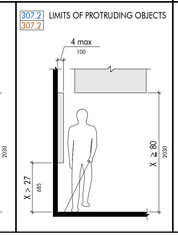
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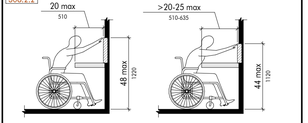
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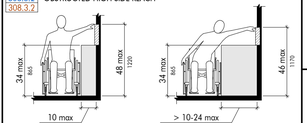
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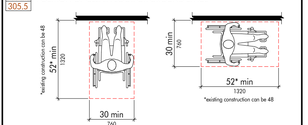
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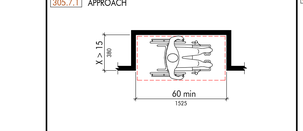
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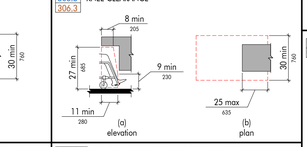
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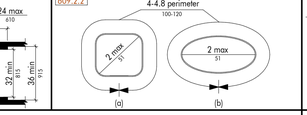
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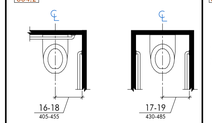
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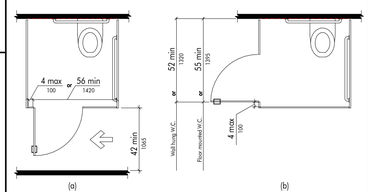
609.2.2 / 609.2.2 GRAB BAR NON-CIRCULAR CROSS SECTION



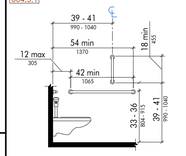
604.2 / 604.2 WATER CLOSET LOCATION



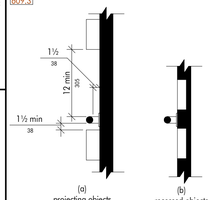
604.8.1.2 / 604.9.3.1 WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT DOORS



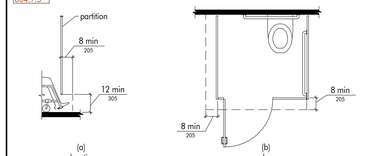
604.5.1 / 604.5.1 SIDE WALL GRAB BAR AT WATER CLOSETS



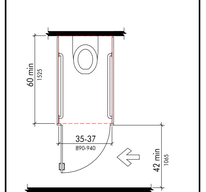
609.3 / 609.3 SPACING OF GRAB BARS



604.8.1.4 / 604.9.5 WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT TOE CLEARANCE

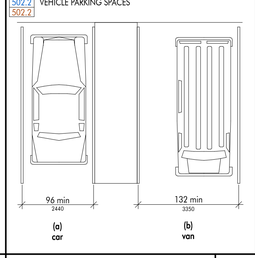


604.8.2 / 604.10.2 AMBULATORY ACCESSIBLE COMPARTMENT

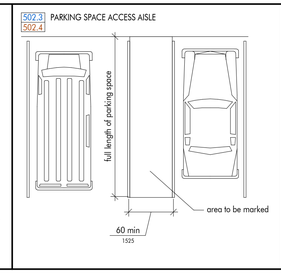


609.2.2 / 609.2.2 GRAB BAR NON-CIRCULAR CROSS SECTION

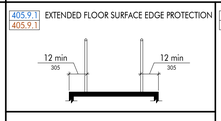
502.2 / 502.2 VEHICLE PARKING SPACES



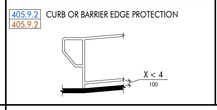
502.3 / 502.4 PARKING SPACE ACCESS AISLE



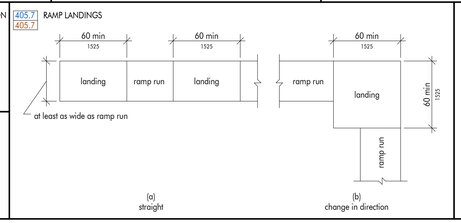
405.9.1 / 405.9.1 EXTENDED FLOOR SURFACE EDGE PROTECTION



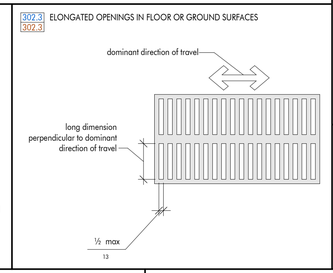
405.9.2 / 405.9.2 CURB OR BARRIER EDGE PROTECTION



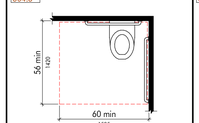
405.7 / 405.7 RAMP LANDINGS



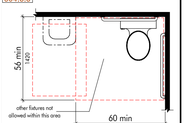
302.3 / 302.3 ELONGATED OPENINGS IN FLOOR OR GROUND SURFACES



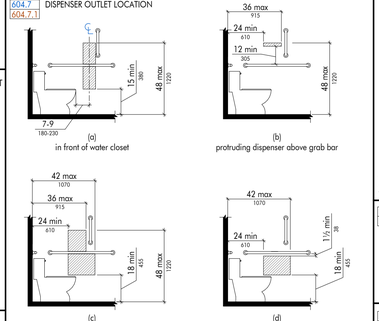
604.3 / 604.3 SIZE OF CLEARANCE AT WATER CLOSETS



604.3.3 OVERLAP OF WATER CLOSET CLEARANCE



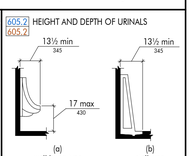
604.7 / 604.7.1 DISPENSER OUTLET LOCATION



604.5.2 / 604.5.2 REAR WALL GRAB BAR AT WATER CLOSETS

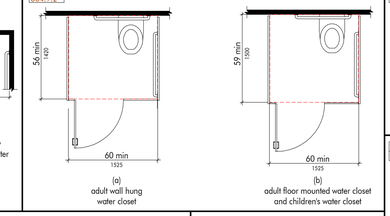


605.2 / 605.2 HEIGHT AND DEPTH OF URINALS

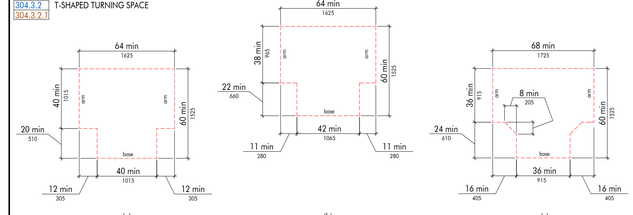


604.2 / 604.2 WATER CLOSET LOCATION

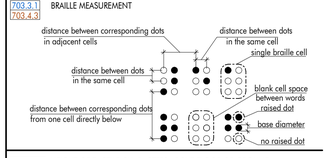
604.8.1 / 604.9.2 SIZE OF WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT



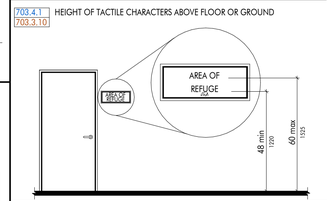
304.3.2 / 304.3.2.1 T-SHAPED TURNING SPACE



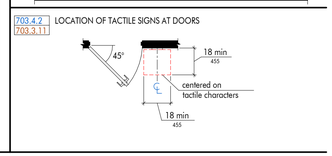
703.1 / 703.4.3 BRAILLE MEASUREMENT



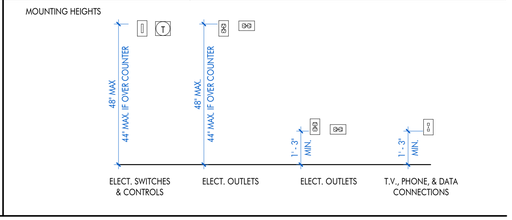
703.4.1 / 703.3.10 HEIGHT OF TACTILE CHARACTERS ABOVE FLOOR OR GROUND



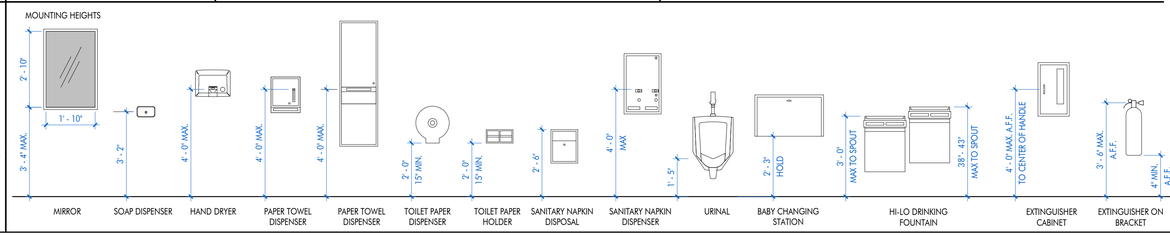
703.4.2 / 703.3.11 LOCATION OF TACTILE SIGNS AT DOORS



MOUNTING HEIGHTS



MOUNTING HEIGHTS



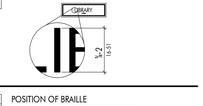
Convention / Description

Convention	Description
36 915	dimension showing English units (in inches unless otherwise specified) above the line and SI units (in millimeters unless otherwise specified) below the line
6 150	dimension for small measurements
33-36 840-915	dimension showing a range with minimum - maximum
min	minimum
max	maximum
>	greater than
≥	greater than or equal to
<	less than
≤	less than or equal to
	boundary of clear floor space or maneuvering clearance
	centerline
	a permitted element or its extension
	direction of travel or approach
	a wall, floor, ceiling or other element cut in section or plan
	a highlighted element in elevation or plan
	location zone of element, control or feature

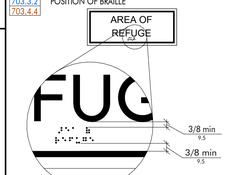
703.2.5 ADAAG
703.3.5 ICC A117.1

NOTE: These drawings are provided as a convenience for the Contractor, but should not be relied upon as an exhaustive analysis of all accessibility issues. Contractor shall confirm all requirements with local, state, and federal laws.

703.2.5 / 703.3.5 HEIGHT OF RAISED CHARACTERS



703.3.2 / 703.4.4 POSITION OF BRAILLE



DOMAIN ARCHITECTURE
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t. 479.255.5879 f. 225.216.3771
www.domainbr.com

REGISTERED ARCHITECT MICHAEL K BURNETT No. 10146 STATE OF ARKANSAS

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

revisions

No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

ADA INFO

I1.00

2026 AUGUST 28

MASTER KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
03 30 00.A10	CAST-IN-PLACE CONCRETE FOOTING; RE: STRUCTURAL
03 30 00.A11	CAST-IN-PLACE CONCRETE SLAB; RE: STRUCTURAL
03 30 00.D00	GALVANIZED STEEL ANCHOR BOLTS; RE: STRUCTURE FOR SIZE AND SPACING
03 30 00.G40	CAST-IN-PLACE CONCRETE STAIRS
04 27 00.G02	MORTAR NET
04 27 00.G05	FILL CAVITY AT BOTTOM OF WALL UNDER FLASHING FULL WITH MORTAR
04 27 00.G10	COPPER FABRIC FLASHING
04 27 00.G21	WEEP HOLES @ 24" O.C.; OMIT MORTAR
04 27 00.G22	EXPANSION / CONTROL JOINT
04 27 00.G23	AIR GAP
04 27 00.H03	TWO-PIECE MASONRY VENEER BRICK-TIES @ 16" O.C.
04 27 00.M00	BRICK VENEER
04 27 00.M01	SOLDIER COURSE
04 27 00.M02	SOLDIER SILL COURSE
04 27 00.M30	MASONRY EXPANSION JOINT
05 12 00.A00	STRUCTURAL STEEL FRAMING; RE: STRUCTURAL
05 12 00.A01	STEEL COLUMN; RE STRUCTURAL
05 12 00.A02	STEEL BEAM; RE STRUCTURAL
05 12 00.A05	STEEL GIRDER; RE STRUCTURAL
05 12 00.A06	STEEL TUBE; RE STRUCTURAL
05 12 00.A07	STEEL BAR JOIST; RE STRUCTURAL
05 12 00.B00	STEEL ANGLE; RE: STRUCTURAL
05 12 00.B04	STEEL ANGLE, 6 X 6
05 31 00.A00	STEEL ROOF DECKING; RE: STRUCTURAL
05 31 00.E00	STEEL ROOF DECKING POUR STOP
05 40 00.A00	METAL STUD FRAMING
05 40 00.A02	2-1/2" METAL STUDS
05 40 00.A03	3-5/8" METAL STUDS
05 40 00.A05	6" METAL STUDS
05 40 00.A06	8" METAL STUDS
05 40 00.B00	STEEL STUD TRACK; MATCH STUD SIZE
05 40 00.B05	METAL CLIP ANGLE
05 40 00.B10	NESTED STEEL STUD BOX BEAM
05 40 00.B20	DOUBLE STEEL STUD JAMB
05 40 00.C00	FURRING CHANNEL
05 40 00.C11	1-1/2" FURRING CHANNEL
05 40 00.C31	1" Z-FURRING CHANNEL
05 50 00.A14	2 1/2" x 2 1/2" x 3/16" GALVANIZED AND PAINTED STEEL ANGLE
05 51 33.A00	INCLINED METAL SHIP LADDER TO ROOF
06 10 00.A01	WOOD BLOCKING
06 10 00.A02	TREATED WOOD BLOCKING
06 10 00.A05	WOOD NAILER
06 16 43.A01	5/8" EXTERIOR GYPSUM SHEATHING BOARD
06 40 00.A10	WOOD BASE
06 40 00.B04	PLASTIC LAMINATE
06 40 00.B10	SOLID SURFACE COUNTERTOP
06 40 00.C05	3/4" FURNITURE GRADE PLYWOOD
06 40 00.C22	3/4" ADJUSTABLE SHELVES WITH HARDWARE AND EDGE BANDS
06 40 00.C23	3/4" PLYWOOD SHELF WITH EDGE BANDS
06 40 00.C52	1X BLOCKING
06 40 00.D01	CABINET PULLS
06 40 00.D03	EUROPEAN STYLE CONCEALED HARDWARE
06 40 00.D14	METAL SHELF BRACKET
07 14 00.A01	FLUID-APPLIED AIR-INFILTRATION BARRIER AND WATERPROOFING
07 20 00.A00	BATT INSULATION
07 20 00.A07	BATT INSULATION- FILL CAVITY COMPLETELY
07 20 00.B00	RIGID INSULATION
07 20 00.B02	1" RIGID INSULATION
07 41 00.A02	PREFINISHED STANDING SEAM METAL ROOF
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 00.A21	PREFINISHED EXPOSED FASTENER METAL CEILING PANEL
07 42 00.A22	PREFINISHED CONCEALED FASTENER METAL CEILING PANEL
07 42 00.B01	PREFINISHED METAL FLASHING
07 42 00.B02	PREFINISHED METAL WALL PANEL BASE TRIM
07 42 00.B12	PREFINISHED METAL PANEL CLOSURE
07 42 00.B14	PREFINISHED METAL J-TRIM CLOSURE
07 42 00.C00	PREFINISHED METAL SOFFIT PANEL
07 54 23.A00	REINFORCED TPO ROOF MEMBRANE SYSTEM

MASTER KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
07 54 23.A01	REINFORCED TPO ROOF MEMBRANE
07 54 23.A02	REINFORCED 6" WIDE TPO MEMBRANE FLASHING STRIP
07 54 23.C01	COVER BOARD
07 54 23.C02	TAPERED RIGID INSULATION
07 54 23.C04	MFG APPROVED FASTENERS & PLATES 12" O.C. MAX
07 54 23.C05	TPO ROOF WALKWAY
07 60 00.A00	PREFINISHED METAL FLASHING
07 60 00.A02	PREFINISHED METAL CAP FLASHING
07 60 00.D03	PREFINISHED ALUMINUM THROUGH WALL FLASHING
07 72 00.C01	SINGLE-LEAF ROOF HATCH
07 90 00.A00	SEALANT
07 90 00.A01	BACKER ROD & SEALANT
08 11 13.A00	DOOR AS SCHEDULED
08 11 13.B00	DOOR FRAME AS SCHEDULED
08 11 13.B01	PAINTED HOLLOW STEEL DOOR FRAME
08 11 13.B02	PAINTED STEEL CASED OPENING FRAME
08 36 13.A03	PREFINISHED SECTIONAL OVERHEAD PANEL ROLL-UP DOOR
08 41 13.A01	PREFINISHED EXTERIOR ALUMINUM STOREFRONT
08 41 13.A02	PREFINISHED INTERIOR ALUMINUM STOREFRONT
08 41 13.B02	PREFINISHED HEAD FLASHING
08 41 13.B04	ONE-PIECE FORMED CONTINUOUS PREFINISHED ALUMINUM SILL FLASHING W/ END DAMS ON BED OF SEALANT (PROVIDE SHIM FOR POSITIVE DRAINAGE)
08 41 13.B10	EXTRUDED PREFINISHED ALUMINUM FLASHING (BRAKE METAL) TO MATCH SYSTEM
08 41 13.C01	NEOPRENE SHIM AS REQUIRED
08 71 00.B00	METAL THRESHOLD
08 80 00.A02	1" CLEAR INSULATED GLASS
08 80 00.A05	1" CLEAR INSULATED TEMPERED GLASS
08 80 00.A12	1/4" CLEAR GLASS
08 80 00.A14	1/4" CLEAR TEMPERED GLASS
09 21 16.A01	SOUND ATTENUATING BATT INSULATION- FILL CAVITY COMPLETELY
09 22 16.A00	METAL STUD FRAMING
09 22 16.A02	2-1/2" METAL STUDS
09 22 16.A03	3-5/8" METAL STUDS
09 22 16.A05	6" METAL STUDS
09 22 16.B00	STEEL STUD TRACK; MATCH STUD SIZE
09 22 16.B20	NESTED STEEL STUD BOX BEAM - FILL WITH INSULATION PRIOR TO INSTALLING
09 22 16.K03	5/8" GYPSUM WALLBOARD
09 22 16.K04	1/2" GYPSUM CEILING BOARD
09 22 16.K23	5/8" TYPE 'X' GYPSUM WALLBOARD
09 22 16.L01	CORNER BEAD
09 31 00.B20	PORCELAIN WALL TILE
09 51 00.A00	ACOUSTICAL CEILING TILE & GRID
09 51 00.A01	2 X 2 ACOUSTICAL CEILING TILE
09 51 00.C02	SHADOW MOLD WALL ANGLE
09 84 00	WALL-ACOUSTICAL SOUND-ABSORPTIVE PANELS
09 84 12.A	ACOUSTICAL SOUND-ABSORPTIVE PANELS
10 14 00.C00	ROOM NAME / NUMBER PLAQUE
10 14 00.D00	EXTERIOR BUILDING SIGNAGE
10 21 13.A00	TOILET PARTITION - OVERHEAD BRACED; FLOOR-MOUNTED
10 22 26.A01	OPERABLE ACOUSTICAL PANEL SYSTEM
10 28 00.A02	18" GRAB BAR
10 28 00.A04	36" GRAB BAR
10 28 00.A05	42" GRAB BAR
10 28 00.B20	COMBINATION PAPER TOWEL DISPENSER/WASTE RECEPTACLE
10 28 00.B40	FRAMED MIRROR
10 43 13.A02	SEMI-RECESSED AED CABINET
10 53 00.A00	PREFABRICATED METAL CANOPY SYSTEM WITH INTERNAL DRAINAGE
10 53 00.A01	4" X 4" PREFINISHED ALUMINUM POST WITH INTERNAL DRAINAGE
10 53 00.A02	4" X 4" PREFINISHED ALUMINUM POST WITHOUT INTERNAL DRAINAGE
10 53 00.A11	6" X 6" PREFINISHED ALUMINUM POST WITH INTERNAL DRAINAGE
10 53 00.A12	6" X 6" PREFINISHED ALUMINUM POST WITHOUT INTERNAL DRAINAGE
10 53 00.A40	PREFINISHED ALUMINUM BENT / BEAM (SIZED AS REQUIRED BY MANUFACTURER)
10 53 00.A50	PREFINISHED ALUMINUM CANOPY ANCHORED TO WALL
11 31 00.C00	EQUIPMENT PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR; RE: EQUIPMENT SCHEDULE

MASTER KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
13 34 19.A30	STEEL ANGLE
22 10 10	PLUMBING PIPING
22 11 00.A01	FLUSH VALVE TOILET; STANDARD HEIGHT, RE: PLUMBING
22 11 00.A02	FLUSH VALVE TOILET; ADA HEIGHT, RE: PLUMBING
22 11 00.A10	URINAL, RE: PLUMBING
22 11 00.B02	WALL MOUNT SINK, RE: PLUMBING
22 11 00.C01	PRE-FABRICATED SHOWER, RE: PLUMBING
22 11 00.C02	PREFABRICATED ADA SHOWER, RE: PLUMBING
22 11 00.C30	SHOWER HEAD FIXTURE, RE: PLUMBING
22 11 00.D01	HI LO DRINKING FOUNTAIN, RE: PLUMBING
22 11 00.D10	ROOF DRAIN, RE: PLUMBING
22 11 00.D11	OVERFLOW ROOF DRAIN, RE: PLUMBING
22 11 00.D12	VENT THROUGH ROOF, RE: PLUMBING
22 11 00.D15	OVERFLOW DOWNSPOUT NOZZLE, RE: PLUMBING
23 30 00.A00	HVAC SYSTEM; RE: MECHANICAL
23 30 00.A11	EXTERIOR CONDENSER UNIT; RE: MECHANICAL
23 30 00.E02	EXHAUST VENT; RE: MECHANICAL
26 05 00	ELECTRICAL GENERAL
26 50 00.A00	LIGHT FIXTURE; RE ELECTRICAL
26 50 00.A03	RECESSED LIGHT FIXTURE; RE ELECTRICAL
26 50 00.A04	WALL MOUNTED FIXTURE; RE ELECTRICAL
26 50 00.A05	2' X 2' SURFACE MOUNTED FIXTURE; RE ELECTRICAL
32 13 13.B02	4" WIDE PAINTED PARKING STRIPES @ 18" O.C. ON 45 DEGREE ANGLE
32 13 13.B03	PAINTED HANDICAP SIGNAGE
32 13 13.C02	5' HIGH POLE-MOUNTED METAL HANDICAP SIGN
32 17 13.A01	PRECAST CONCRETE WHEEL STOP

FLOOR PLAN LEGEND

- 808-1 — DOOR DESIGNATION TAG
- ACT-1 — FINISH / MATERIAL DESIGNATION TAG
- W1 — WINDOW DESIGNATION TAG
- A1 — WALL DESIGNATION TAG
- 88 — REVISION DESIGNATION TAG
- 0' - 0" ELEVATION — ELEVATION DATUM HEIGHT DESIGNATION
- ROOM NAME 812 — ROOM DESIGNATION TAG
- 88A12.18 SIM 4 — DETAIL DESIGNATION TAG
- 7 A10.11 SIM 7 — INTERIOR ELEVATION DESIGNATION TAG
- 4 A6.01 4 — EXTERIOR ELEVATION DESIGNATION TAG
- 18 A10.12 SIM — BUILDING / WALL / DETAIL SECTION DESIGNATION TAG

GENERAL NOTES:

1. REFER TO SPECIFICATIONS FOR STUD GAUGE AND BRIDGING REQUIREMENTS.
2. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CMU, OR FACE OF BRICK, UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL PROVIDE ALL METAL STUD BLOCKING / BRACING FOR ALL WALL HUNG OR WALL MOUNTED ARCHITECTURAL ITEMS INSTALLED ON STUD WALLS, INCLUDING BUT NOT LIMITED TO: MILLWORK, COUNTERTOPS, TOILET ACCESSORIES, GRAB BARS, MARKER BOARDS, TACK BOARDS, CLOCKS, SPEAKERS, ETC..
4. ALL ITEMS ARE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED, UNLESS NOTED OTHERWISE.
5. ALL DRYWALL CONTROL JOINT PLACEMENT SHALL CONFORM WITH ASTM C840, UNLESS NOTED OTHERWISE. INSTALL CONTROL JOINTS AS SHOWN.
   - A. IF NOT SHOWN, CONTROL JOINTS TO BE INSTALLED PER THE FOLLOWING:
     - a. ALL CONTROL JOINTS SHALL BE INSTALLED WHERE SPECIFIED BY THE ARCHITECT OR DESIGNER AS A DESIGN ACCENT OR ARCHITECTURAL FEATURE.
     - b. A CONTROL JOINT SHALL BE INSTALLED WHERE A PARTITION, WALL, OR CEILING TRAVERSES A CONSTRUCTION JOINT.
     - c. CONTROL JOINT SHALL BE INSTALLED WHERE A WALL OR PARTITION RUNS IN AN UNINTERRUPTED STRAIGHT PLANE EXCEEDING 30 LINEAR FEET.
     - d. CONTROL JOINTS IN INTERIOR CEILINGS WITH A PERIMETER RELIEF SHALL BE INSTALLED SO THAT LINEAR DIMENSIONS BETWEEN CONTROL JOINTS DO NOT EXCEED 50'-0" AND TOTAL BETWEEN CONTROL JOINTS DOES NOT EXCEED 2500 SQ FT.
     - e. CONTROL JOINTS IN INTERIOR CEILINGS WITHOUT PERIMETER RELIEF AND EXTERIOR CEILINGS AND SOFFITS SHALL BE INSTALLED SO THAT LINEAR DIMENSIONS BETWEEN CONTROL JOINTS DO EXCEED 30'-0" AND TOTAL AREA BETWEEN CONTROL JOINTS DOES NOT EXCEED 900 SQ FT.
     - f. A CONTROL JOINT OR INTERMEDIATE BLOCKING SHALL BE INSTALLED WHERE CEILING FRAMING MEMBERS CHANGE DIRECTION.
     - g. WHERE A CONTROL JOINT OCCURS IN AN ACOUSTICAL OR FIRE-RATED SYSTEM, BLOCKING SHALL BE PROVIDED BEHIND THE CONTROL JOINT BY USING A BACKING MATERIAL SUCH AS 5/8" TYPE X GYPSUM BOARD, MINERAL FIBER, OR OTHER TESTED EQUIVALENT.
     - h. WHERE CONTROL JOINTS ARE INSTALLED IN NON-RATED ASSEMBLIES AND ARE PARALLEL TO THE FRAMING MEMBERS, A FRAMING MEMBER IS REQUIRED ON EACH SIDE OF THE OPENING. THIS REQUIREMENT IS FOR ATTACHMENT OF GYPSUM BOARD.
   - B. CONTRACTOR SHALL INCLUDE IN BID FOR CONTROL JOINTS AS OUTLINED ABOVE, AND FOR A CONTROL JOINT TO BE INSTALLED AT BOTH JAMBS OF OPENINGS, WINDOWS, AND DOORS (ONE AT EACH JAMB FULL HEIGHT / TOP AND BOTTOM OF OPENING) & WITHIN 30 FEET OF CORNER OR PREVIOUS CONTROL JOINT.
6. AT ALL CERAMIC / PORCELAIN WALL TILE LOCATIONS, CONTRACTOR SHALL USE CEMENT BACKER BOARD, MINIMUM 5/8-INCH THICK, UNLESS OTHERWISE NOTED.
7. AT ALL WALLS (FULL HEIGHT) WITHIN TOILET ROOMS, SHOWERS, RESTROOMS AND/OR SIMILAR USE ROOMS NOT TILED, SHALL RECEIVE MINIMUM 5/8-INCH MOISTURE RESISTANCE GYPSUM.
8. AT ALL PLUMBING FIXTURES NOT WITHIN A ROOM DESCRIBED ABOVE, USE MINIMUM 5/8-INCH MOISTURE RESISTANCE GYPSUM FOR A DISTANCE OF 96-INCHES FROM THE CENTERLINE OF THE FIXTURE IN ALL DIRECTIONS.

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
&	AND
@	AT
|/CH.	CHANNEL
A.D.	AREA DRAIN
A.F.F.	ABOVE FINISHED FLOOR
A.H.U.	AIR HANDLING UNIT
A.P.	ACCESS PANEL
A.P.C.	ARCHITECTURAL PRECAST CONCRETE
A.T.	ACOUSTICAL TILE
A.V.	AUDIO VISUAL
A/C	AIR CONDITIONING
A/E	ARCHITECT/ENGINEER
ACOUS.	ACOUSTICAL
ADJ.	ADJUSTABLE
ALT.	ALTERNATE
ALUM./AL.	ALUMINUM
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURAL
ASB.	ASBESTOS
ASPH.	ASPHALT
ATTEN.	ATTENUATION
B.M.	BENCHMARK
B.R.	BUMPER RAIL
B.U.R.	BUILT UP ROOF
B/U	BUILT UP
BIT.	BITUMINOUS
BLDG.	BUILDING
BLO.	BLOCKING
BM.	BEAM
BO.	BOARD
BOT.	BOTTOM
BRG.	BEARING
BRZ.	BRONZE
C.	CENTERLINE
C.B.	CATCH BASIN
C.G.	CORNER GUARD
C.I.	CAST IRON
C.J.	CONTROL JOINT
C.M.U.	CONCRETE MASONRY UNIT
C.O.	CASED OPENING
C.R.	CURTAIN ROD

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
C.R.CH.	COLD ROLLED CHANNEL
C.T.	CERAMIC TILE
CAB.	CABINET
CEM.	CEMENT
CER.	CERAMIC
CH.BO.	CHALK BOARD
CLG.	CEILING
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
COORD.	COORDINATE
CPT.	CARPET
CT	CURTAIN TRACK
CTSK	COUNTERSUNK
DBL	DOUBLE
DEPT.	DEPARTMENT
DET./ DTL.	DETAIL
DIA.	DIAMETER
DIM.	DIMENSION
DISP.	DISPENSER
DN.	DOWN
DP.	DAMPPROFING
DS.	DOWNSPOUT
DWGS.	DRAWINGS
E.	ELEVATOR
E.D.F.	ELECTRICAL DRINKING FOUNTAIN
E.F.	EXHAUST FAN
E.J.	EXPANSION JOINT
E.P.	ELECTRICAL PANELBOARD
E.W.	EACH WAY
EA.	EACH
EIFS	EXT. INSULATING FINISH SYSTEM
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATION
EMER.	EMERGENCY
ENCL.	ENCLOSURE
EP.	EPOXY PAINT

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
EQ.	EQUAL
EQUIP.	EQUIPMENT
EST.	EXPOSED STRUCTURE
EXH.	EXHAUST
EXP.	EXPANSION
EXPO.	EXPOSED
EXST./ EXIST.	EXISTING
EXT.	EXTERIOR
F.A.P.	FIRE ALARM PANEL
F.D.	FLOOR DRAIN
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.F.	FINISH FLOOR
F.F.E.	FINISH FLOOR ELEVATIONS
F.H.	FIRE HYDRANT
F.H.C.	FIRE HOSE CABINET
F.N.D.	FEMININE NAPKIN DISPENSER
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.S.	FULL SIZE
F.S.S.	FOLDING SHOWER SEAT
F.W.C.	FABRIC WALL COVERING
FDN.	FOUNDATION
FIN.	FINISH
FL./ FLR.	FLOOR
FPRK.	FIREPROOFING
FT.	FOOT/ FEET
FTG.	FOOTING
FURN.	FURNISHED
FURR.	FURRING
G.B.	GRAB BAR
G.C.	GENERAL CONTRACTOR
GA.	GAUGE
GALV.	GALVANIZED
GL.	GLASS
GL.BK.GND.	GLASS BLOCK GROUND
GRD.	GRADE
GYP.	GYPSUM
GYP.BD.	GYPSUM BOARD
H.B.	HOSE BIBB
H.C.	HOLLOW CORE

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
H.D.G.	HOT DIPPED GALVANIZED
H.M.	HOLLOW METAL
H.R.	HANDRAIL
H.V.	HOMOGENOUS VINYL
HCP./ HC.	HANDICAP
HCWD	HOLLOW CORE WOOD
HDWE.	HARDWARE
HGT./ HT.	HEIGHT
HORIZ.	HORIZONTAL
HR.	HOUR
HVAC	HEATING, VENTILATING & AIR CONDITIONING
I.D.	INSIDE DIAMETER
I.P.	IRON PIPE
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT
J.B.	JOIST BEARING
JAN.	JANITOR
JT.	JOINT
K.D.	KNOCK DOWN
L	ANGLE
L.A.T.	LAY-IN-ACOUSTICAL TILE
LAM.	LAMINATE
LAV.	LAVATORY
LBS.	POUNDS
LKR.	LOCKER
LT.	LIGHT
LT.WT.	LIGHT WEIGHT
LVR.	LOUVER
M.O.	MASONRY OPENING
M.R.GYP.BD.	MOISTURE RESISTANT GYPSUM BOARD
MAS.	MASONRY
MATL.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MEMB.	MEMBRANE
MFR./ MFGR.	MANUFACTURER
MH.	MANHOLE
MIN.	MINIMUM
MIR.	MIRROR
MISC.	MISCELLANEOUS

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
MTD.	MOUNTED
MTL.	METAL
MULL.	MULLION
N.	NORTH
N.A.	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NO./ #	NUMBER
NOM.	NOMINAL
O / RD.	ROUND
O.A.	OUTSIDE AREA
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER (DIM)
O.H.	OPPOSITE HAND
O.S.	OVERFLOW SCUPPER
OH.	OVERHEAD
OPNG./ OPG.	OPENING
OPP.	OPPOSITE
P / P.L.	PROPERTY LINE
P.I.P.	POURED IN PLACE
P.T.	PORCELAIN TILE
P.T.D.	PAPER TOWEL DISPENSER
P.T.D.D.	PAPER TOWEL DISPENSER/DISPOSAL
P.T.R.	PAPER TOWEL RECEPTACLE
PBD.	PARTICLE BOARD
PC. CONC.	PRECAST CONCRETE
PL.	PLATE
PLAS.	PLASTER
POL.	POLISHED
PR.	PAIR
PRE-FAB.	PRE-FABRICATED
PRE-FIN.	PRE-FINISHED
PTD.	PAINTED
PTN. / PARTN	PARTITION
PVMT.	PAVEMENT
PWD. / PLYWD	PLYWOOD
R.	RISER
R.A.G.	RETURN AIR GRILL
R.B.	RUBBER BASE
R.C.P.	REINFORCED CONCRETE PIPE
R.D.	ROOF DRAIN

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
R.H.	ROBE HOOK
R.O.	ROUGH OPENING
RAD.	RADIUS
RCP	REFLECTED CEILING PLAN
REC.RECT.	RECESSED RECTANGLE
RECT.	RECTANGLE
REF.	REFERENCE
REFL.	REFLECTED
REINF.	REINFORCED
REQ.	REQUIRED
RESIL.	RESILIENT
RM.	ROOM
S.	SOUTH
S.C.	SOLID CORE
S.C.W.D.	SOLID CORE WOOD
S.D.	SOAP DISPENSER
S.N.D.	SANITARY NAPKIN DISPENSER
S.S.	STAINLESS STEEL
S.S.D.	SHOWER SOAP DISPENSER
S.T.C.	SOUND TRANSMISSION CLASS
S.V.	SHEET VINYL
SCH.	SCHEDULE
SEC. GL.	SECURITY GLASS
SECT.	SECTION
SER.S. / S.SK.	SERVICE SINK
SF	STOREFRONT
SHT.	SHEET
SHVS.	SHELVES
SHWR.	SHOWER
SIM.	SIMILAR
SPEC.	SPECIFICATION
SQ.	SQUARE
SQ.FT.	SQUARE FEET
SS	SANITARY SEWER
ST.DR.	STORM DRAIN
STD.	STANDARD
STL	STEEL
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
SYM.	SYMMETRICAL
SYN.	SYNTHETIC

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
T&G	TONGUE AND GROOVE
T. / THR.	THREAD
T.B.	TOWEL BAR
T.D.R.	TOWEL DISPENSER RECEPTACLE
T.O.C.	TOP OF CURB
T.O.O.	TOP OF OPENING
T.O.P.	TOP OF PAVEMENT
T.O.S.	TOP OF STEEL
T.P.H.	TOILET PAPER HOLDER
TEL.	TELEPHONE
TEMP. GL.	TEMPERED GLASS
TH. / THRES.	THRESHOLD
THK.	THICK
TRD.	TREAD
TYP.	TYPICAL
U.H.	UNIT HEATER
U.N.O.	UNLESS NOTED OTHERWISE
U.P.S.	UNINTERRUPTED POWER SUPPLY
U.S.	UTILITY SHELF
V.B.	VINYL BASE
V.O.J.	VERIFY ON JOB
V.T.R.	VENT-THRU ROOF
V.W.C.	VINYL WALL COVERING
VCT	VINYL COMPOSITION TILE
VERT.	VERTICAL
W.	WEST
W.C.	WATER CLOSET
W.GL.	WIRE GLASS
W.H.	WATER HEATER
W.P.	WATERPROOF
W.W.F.	WELDED WIRE FABRIC
W.W.M.	WELDED WIRE MESH
W/	WITH
W/O	WITHOUT
WD.	WOOD
WDW.	WINDOW
WSCT.	WAINSCOT
WT. / WGT.	WEIGHT

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REGISTRATION

REGISTERED ARCHITECT — MICHAEL K. BURNETT — 10210 — STATE OF ARKANSAS

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS

ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

date 2026 AUGUST 28

director review

ABBREVIATIONS / LEGENDS / MASTER KEYNOTES

I1.01

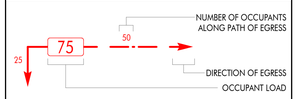
2026 AUGUST 28



1 1ST FLOOR - LIFE SAFETY

1/8" = 1'-0" DRAWN BY: HP / JG

LIFE SAFETY LEGEND



DOOR
72 REQUIRED
888 PROVIDED — NUMBER OF OCCUPANTS ALLOWED / NUMBER OF OCCUPANTS EXITING

(90) — REQUIRED OPENING RATING (min.)

EXIT SIGN (DIRECTION & ILLUMINATION SIDE)

(FE-1) — FIRE EXTINGUISHER: SEMI-RECESSED CABINET

(FE-2) — FIRE EXTINGUISHER: SURFACE MOUNTED CABINET

(FE-3) — FIRE EXTINGUISHER: FULLY RECESSED CABINET

(FE-4) — FIRE EXTINGUISHER: SURFACE MOUNTED BRACKET

(FE-5) — FIRE EXTINGUISHER: UNDER COUNTER WITH BRACKET

SMOKE PARTITION

1 - HOUR RATED WALL

2 - HOUR RATED WALL

3 - HOUR RATED WALL

4 - HOUR RATED WALL

CODY STUDY

FIRST FLOOR AREA = 7,214 FT²
TOTAL BUILDING AREA = 7,214 FT²

APPLICABLE CODES:
BUILDING CODE: ARKANSAS FIRE PREVENTION CODE, VOL. II
OTHER CODES: 2018 ARKANSAS PLUMBING CODE

FIRE ALARM PROVIDED: YES
SPRINKLER SYSTEM PROVIDED: NO

ARKANSAS FIRE PREVENTION CODE, VOL. II (AMENDED IBC 2021)
OCCUPANCY CLASSIFICATION: A-3 (ASSEMBLY)
CONSTRUCTION TYPE: III-B
OCCUPANT LOADS:
MULTIPURPOSE ROOMS 2,257 FT² / 50 = 45
GYM 1,907 FT² / 50 = 38
ESPORTS LAB 724 FT² / 15 = 48
LOBBY 1,176 FT² / 15 = 78
TOTAL OCCUPANCY: 115

2018 ARKANSAS PLUMBING CODE

PLUMBING COUNT
TOTAL OCCUPANTS: 188
MEN: 94 WOMEN: 94
ASSEMBLY:
MEN W/C - 1 REQUIRED, 3 PROVIDED
WOMEN W/C - 2 REQUIRED, 3 PROVIDED
LAVS - 1 REQUIRED, 6 PROVIDED
DRK FNTN - 1 REQUIRED, 1 HI-LO PROVIDED
SER SINK - 1 REQUIRED, 1 PROVIDED

OCCUPANCY TYPES

ASSEMBLY

EXERCISE

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

1ST FLOOR LIFE SAFETY PLAN

LS.01

2026 AUGUST 28

LEGEND

ABBREVIATIONS

BC	BACK OF CURB
BL	BUILDING LINE
CL	CENTERLINE
EG	EXISTING GRADE
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOWLINE
GL	GUTTER LINE
HP	HIGH POINT
INV	INVERT
LF	LINEAR FEET
LP	LOW POINT
RW	RIGHT-OF-WAY
SF	SQUARE FEET
SY	SQUARE YARDS
TBK	TOP OF BANK
TC	TOP OF CURB
TG	TOP OF GRATE
TOE	TOE OF BANK
TP	TOP OF PAVEMENT
TR	TOP OF RIM
TS	TOP OF SIDEWALK
TW	TOP OF WALL

LINETYPES

- CENTERLINE
- SILT FENCE
- LIMITS OF CONSTRUCTION
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EASEMENT
- FENCE
- PROPERTY LINE
- LOT LINE
- BUILDING SETBACK
- FIBER OPTIC
- OVERHEAD COMMUNICATION
- UNDERGROUND COMMUNICATION
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- NATURAL GAS
- SEWER FORCE MAIN
- SANITARY SEWER MAIN
- SANITARY SEWER SERVICE
- DRAINAGE AREA, MAJOR
- DRAINAGE AREA, MINOR
- DRAINAGE FLOW PATH
- STORM DRAINAGE PIPE
- FIRE LINE
- WATER LINE
- WATER SERVICE LINE
- IRRIGATION LINE

SYMBOLS

- UTILITY POLE
- LIGHT POLE
- GUY ANCHOR
- ELECTRIC BOX
- ELECTRIC METER
- ELECTRIC TRANSFORMER
- A/C UNIT
- ELECTRIC MANHOLE
- GAS METER
- GAS VALVE
- OIL/GAS WELLHEAD
- VENT PIPE
- PIPELINE MARKER
- COMMUNICATION PEDESTAL
- COMMUNICATION MANHOLE
- SEWER CLEAN-OUT
- SANITARY SEWER MANHOLE
- DOWNSPOUT
- ROOF DRAIN
- STORM DRAIN MANHOLE
- FIRE DEPARTMENT CONNECTION
- FIRE HYDRANT
- IRRIGATION CONTROL VALVE
- SHUT-OFF VALVE
- SPRINKLER HEAD
- WATER METER
- WATER VALVE
- YARD HYDRANT
- PIPE BOLLARD
- BENCHMARK
- ACCESSIBLE PARKING
- MAILBOX
- MONITORING WELL
- POTHOLE
- SIGN

100% CONSTRUCTION DOCUMENT SET FOR
ASMSA-ALUMNI HALL & CHARTER FIELD
HOT SPRINGS, AR, 71901



N

150 0 75 150

1" = 150'

SHEET LIST TABLE

SHEET NUMBER	SHEET TITLE
C100	COVER SHEET
C101	GENERAL NOTES
C200	SURVEY
C300	DEMOLITION PLAN
C301	EROSION CONTROL PLAN
C400	SITE PLAN
C401	OVERALL SITE PLAN
C500	GRADING AND DRAINAGE
C501	EXISTING DRAINAGE PLAN
C502	PROPOSED DRAINAGE PLAN
C600	UTILITY PLAN
C800	DETAILS
C801	DETAILS
L001	LANDSCAPE SPECIFICATIONS
L101	LANDSCAPE PLANTING PLAN

PROPERTY PARCEL #:
400-27700-001-000

BENCHMARKS:
BENCHMARKS PER TOPOGRAPHIC SURVEY COMPLETED BY WALLACE DESIGN COLLECTIVE.

BENCHMARK 1	BENCHMARK 2
3/8" IRON PIN	MAG NAIL IN ASPH
ELEV: 735.41	ELEV: 722.38
N: 198,894.081	N: 1,988,589.922
E: 993,013.676	E: 993,056.172

CAUTION
NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

AS-BUILTS:

THE CONTRACTOR SHALL KEEP ON SITE A CURRENT SET OF THE APPROVED CONSTRUCTION WORKING DRAWINGS AT ALL TIMES. THE CONTRACTOR SHALL MARK (IN RED INK) ALL CHANGES MADE TO THE APPROVED PLANS. THESE CHANGES MAY BE INITIATED FROM FIELD CONDITIONS, CHANGES MADE BY THE ENGINEER OF RECORD, OR CHANGES REQUESTED BY REPRESENTATIVES OF THE JURISDICTIONS HAVING AUTHORITY. ALL CHANGES SHALL BE REVIEWED AND AGREED TO BY THE ENGINEER OF RECORD PER AN RFI SUBMITTAL PROCESS. THE CONTRACTOR SHALL SUBMIT THE WORKING DRAWINGS TO THE ENGINEER OF RECORD AFTER FINAL INSPECTION OF THE PROJECT TO SERVE AS A BASIS FOR DEVELOPMENT OF FINAL AS-BUILT RECORD DOCUMENTS.

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

CAUTION
NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

CONTACTS:

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ALAN TAYLOR, P.E.
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REGISTRATION

STATE OF ARKANSAS — LICENSED PROFESSIONAL ENGINEER — No. 23870 — ALAN TAYLOR — 8/20/2026

These drawings are the property of DOMAIN ARCHITECTURE APAC and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein. Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

COVER SHEET

C100

2026 AUGUST 28

GENERAL NOTES:

1. CONDUCT SITE CLEARING OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION. STREETS AND ROADWAYS SHALL BE THOROUGHLY CLEANED AND/OR SWEPT ON A DAILY BASIS OR MORE FREQUENTLY AS REQUIRED BY THE GOVERNING AUTHORITY. RESTORE DAMAGED IMPROVEMENTS TO ORIGINAL CONDITION AS ACCEPTABLE TO PARTIES HAVING JURISDICTION.

2. THE CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES IN ACCORDANCE WITH LOCAL AUTHORITIES.

3. ALL STREET SURFACES, DRIVEWAYS, CULVERTS, ROADSIDE DRAINAGE DITCHES, AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS.

4. UNLESS SPECIFIED OTHERWISE, ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE STANDARDS, SPECIFICATIONS, AND REGULATIONS OF THE UNIVERSITY OF ARKANSAS.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, PERMIT FEES, LICENSES, LICENSE FEES, TAP FEES, ETC.

6. ALL ELEVATIONS IN PAVED AREAS ARE TOP OF FINISHED PAVEMENT UNLESS OTHERWISE NOTED.

7. RELOCATION OF ANY UTILITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROPRIATE UTILITY COMPANY AND/OR REGULATORY AGENCY. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM ENGINEER BEFORE ANY UTILITY RELOCATION.

8. NO DIMENSION MAY BE SCALED. REFER UNCLEAR ITEMS TO THE ENGINEER FOR INTERPRETATION.

EXCAVATION NOTIFICATION

1. ALL CONTRACTORS SHALL NOTIFY UTILITY COMPANIES AND GOVERNMENT AGENCIES IN WRITING OF THE INTENT TO EXCAVATE NO LESS THAN 72 HOURS PRIOR TO SUCH EXCAVATION (EXCLUSIVE OF SATURDAYS, SUNDAYS, AND HOLIDAYS).

2. CONTRACTORS TO CALL 811 (OR VISIT CALL811.COM) TO REQUEST UTILITY LOCATES. ONCE COMPLETION OF MARKINGS HAS BEEN CONFIRMED BY THE CONTRACTOR, NO AUTOMATED OR MECHANICAL EQUIPMENT SHOULD BE USED WITHIN TWO FEET ON EITHER SIDE OF THE MARKINGS (OR ANOTHER MORE STRINGENT TOLERANCE AS DIRECTED), AND EXISTING FACILITIES MUST BE EXPOSED BY HAND.

3. EXISTING UTILITY LOCATIONS SHOWN SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. LOCATIONS OF UNDERGROUND UTILITIES ON THESE DRAWINGS ARE APPROXIMATE ONLY AND BASED ON ACTUAL FIELD LOCATIONS OF VISIBLE STRUCTURES AND PLAN COMPUTATIONS.

UNANTICIPATED SOIL CONDITIONS

1. IF UNSUITABLE BEARING MATERIALS ARE ENCOUNTERED AT THE SPECIFIED SUBGRADE DEPTHS, THE CONTRACTOR SHALL NOTIFY THE OWNER. SOIL SUBGRADES WHICH ARE UNSTABLE DUE TO INADEQUATE CONSTRUCTION DEWATERING OR EXCESSIVE SUBGRADE DISTURBANCE ARE NOT DEEMED UNSUITABLE SOILS AND SHALL BE CORRECTED TO SUITABLE CONDITIONS AT THE CONTRACTORS EXPENSE.

2. FILL SOIL THAT IS NOT WITHIN +/- 2% OPTIMUM MOISTURE FOR COMPACTION OF THE PARTICULAR MATERIAL IN PLACE AS DETERMINED BY THE OWNER'S REPRESENTATIVE AND IS DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION OPERATIONS SO THAT PROPER COMPACTION CANNOT BE REACHED SHALL NOT BE CONSTRUED AS UNSUITABLE BEARING MATERIAL AND SHALL BE CORRECTED TO SUITABLE CONDITIONS AT THE CONTRACTORS EXPENSE.

3. SURFACE RUNOFF: SURFACE WATER ON AND AROUND THE SITE SHALL BE COLLECTED INTO LOCAL SUMPS BY MEANS OF TRENCHES, PIPES, ETC., AND PUMPED INTO THE STORM WATER SYSTEM. USE APPROPRIATE FILTRATION OR SEDIMENTATION TO PREVENT PUMPING OF SUSPENDED SOLIDS INTO THE STORM SEWER. A PERMIT MUST BE OBTAINED FOR SUCH PUMPING.

4. DEWATERING OF TRENCHES AND EXCAVATIONS: TRENCHES AND EXCAVATIONS SHALL BE KEPT FREE OF STANDING WATER AT ALL TIMES. PUMPING IS TO BEGIN AS SOON AS WATER BEGINS TO ACCUMULATE AND IS TO CONTINUE UNTIL WATER IS REMOVED.

SITE ACCESSIBILITY

1. ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, CURB RAMPS, ACCESSIBLE PARKING, AND ACCESSIBLE ROUTES SHALL COMPLY WITH THE APPLICABLE ACCESSIBILITY CODES [AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES; THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) PUBLISHED IN THE FEDERAL REGISTER AUGUST 2023; INTERNATIONAL BUILDING CODE (IBC); ICC A117.1; ETC.]

2. WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THESE GUIDELINES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK WHICH IS NOT IN FULL COMPLIANCE WITH THESE GUIDELINES WITHOUT PRIOR, WRITTEN PERMISSION FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THESE GUIDELINES, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

3. GENERAL SLOPE GUIDANCE:

3.1. CROSS SLOPES SHALL NOT EXCEED 1:50 (2.0%).
PREFERRED SLOPE IS 1.5%.

3.2. RUNNING SLOPES SHALL NOT EXCEED 5% EXCEPT AT RAMPS.
PREFERRED MAXIMUM SLOPE IS 4.5%.

3.3. RAMP RUNNING SLOPES SHALL NOT EXCEED 1:12 (8.3%).
PREFERRED MAXIMUM SLOPE IS 7.8%.

3.4. SLOPES AT LANDINGS, ACCESSIBLE PARKING STALLS, AND ACCESSIBLE AISLES SHALL NOT EXCEED 2% IN ANY DIRECTION.
PREFERRED MAXIMUM SLOPE IS 1.5%.

3.5. EXCEPTIONS WITHIN THE PUBLIC RIGHT-OF-WAY:
WHERE THE ESTABLISHED ADJACENT STREET GRADE EXCEEDS 5%, RUNNING SLOPES PARALLEL TO THE STREET SLOPES SHALL NOT EXCEED THE GENERAL GRADE ESTABLISHED FOR THE ADJACENT STREET.
CURB RAMP RUNNING SLOPE CAN EXCEED 8.3% TO LIMIT THE RESULTING RAMP LENGTH TO 15 FEET.

GEOTECHNICAL

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY MTA ENGINEERS DATED MARCH 31, 2026.

SURVEY

1. EXISTING BOUNDARY AND TOPOGRAPHIC INFORMATION ARE SHOWN PER THE FIELD SURVEY PERFORMED BY WALLACE DESIGN COLLECTIVE, AND COMPLETED ON MAY 26TH, 2026.

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

CAUTION

NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

wallace design collective

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arkansas #93
exp: 12.31.27

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REGISTRATION

STATE OF ARKANSAS
ALAN TAYLOR
LICENSED PROFESSIONAL ENGINEER
No. 23870
ALAN TAYLOR
8/20/2026

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS

ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project #	AR26-0001
date	2026 AUGUST 28
director review	

GENERAL NOTES

C101

2026 AUGUST 28

SURVEY NOTES:

1. WALLACE DESIGN COLLECTIVE, PC COORDINATED A PROPERTY REPORT TO RESEARCH EASEMENTS AND ENCUMBRANCES OF RECORD FOR SUBJECT PROPERTY. EASEMENTS AND INFORMATION SHOWN HEREON PER PROPERTY REPORT NO. 26-114039-JM COMPILED BY GARLAND COUNTY TITLE, DATED APRIL 22, 2026. SAID REPORT IS NOT INTENDED TO ACT AS, OR REPLACE AN ABSTRACT, TITLE COMMITMENT, TITLE OPINION, OR TITLE INSURANCE POLICY.
2. ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES PER ONE-CALL LOCATES, MUNICIPAL ATLAS SHEETS OF VARYING QUALITY, AND SURFACE VISIBLE FEATURES.
3. THE VERTICAL DATUM FOR THIS SURVEY IS BASED ON GPS DATA (NAVD88).
4. THE HORIZONTAL DATUM FOR THIS SURVEY IS BASED ON THE ARKANSAS STATE PLANE COORDINATE SYSTEM NORTH ZONE (NAD83).
5. THE LAST SITE SURVEY VISIT WAS 04-02-2026.

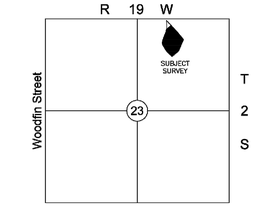
LEGEND

BM	BENCHMARK
CO	CLEAN OUT
DIP	DUCTILE IRON PIPE
EM	ELECTRIC METER
FH	FIRE HYDRANT
FL	FLOW LINE
GM	GAS METER
GUY	GUY WIRE DOWN
GV	GAS VALVE
LP	LIGHT POLE
OE	OVERHEAD ELECTRIC
PP	POWER POLE
RCP	REINFORCED CONCRETE PIPE
SDMH	STORM DRAIN MANHOLE
SS	SANITARY SEWER LINE
SSMH	SANITARY SEWER MANHOLE
TG	TOP OF GRATE
TPED	TELEPHONE PEDESTAL
TR	TOP OF RIM
UC	UNDERGROUND CABLE
UE	UNDERGROUND ELECTRIC
UG	UNDERGROUND GAS
UT	UNDERGROUND TELEPHONE
UTMH	UTILITY MANHOLE
VCP	VITRIFIED CLAY PIPE
WL	WATER LINE
WM	WATER METER
WV	WATER VALVE
XFMR	ELECTRIC TRANSFORMER

BENCHMARK NOTES

3/8" Iron Pin	3/8" Iron Pin	Mag Nail in Asph.
ELEV=598.54	ELEV=735.41	ELEV=722.38
N=1985600.924	N=1985944.081	N=1985569.922
E=692887.881	E=693013.876	E=693056.172





Location Map

SURVEY NOTE:
THIS SHEET IS FOR THE CONVENIENCE OF THE CONTRACTOR. IT IS INTENDED FOR GENERAL SURVEY INFORMATION ONLY. ORIGINAL SURVEY DRAWINGS AVAILABLE UPON REQUEST.
NOTE: SURVEY SCALED TO FIT PAGE.

LEGAL DESCRIPTION

LOTS 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, AND PART OF 19, BLOCK 135, HOT SPRINGS RESERVATION.

SURVEYOR CERTIFICATION:

WE, WALLACE DESIGN COLLECTIVE, HEREBY CERTIFY THAT THE TOPOGRAPHICAL INFORMATION HEREON REPRESENTS A SURVEY PERFORMED UNDER OUR DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

THIS TOPO SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS, AS ADOPTED BY THE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS FOR THE STATE OF ARKANSAS.

WITNESS MY HAND AND SEAL THIS 26TH DAY OF MAY, 2026.

BY: _____
RONALD WESLEY BENNETT
REGISTERED PROFESSIONAL LAND SURVEYOR
ARKANSAS NO. 11605

Know what's below. Call before you dig.

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oklahoma coa1460
exp: 6-30-27

Arkansas School for Math, Sciences and Arts

100 Whittington Avenue, Hot Springs, Arkansas

REV	DESCRIPTION	DATE

DATE 05-26-2026
PROJECT NO. 2535029.2
SHEET NAME
TOPOGRAPHIC SURVEY
SHEET NO. 1 of 1

ARCHITECT
DOMAIN ARCHITECTURE
3200 sw regency pkwy, ste 4, bentonville, ar 72712
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REGISTRATION

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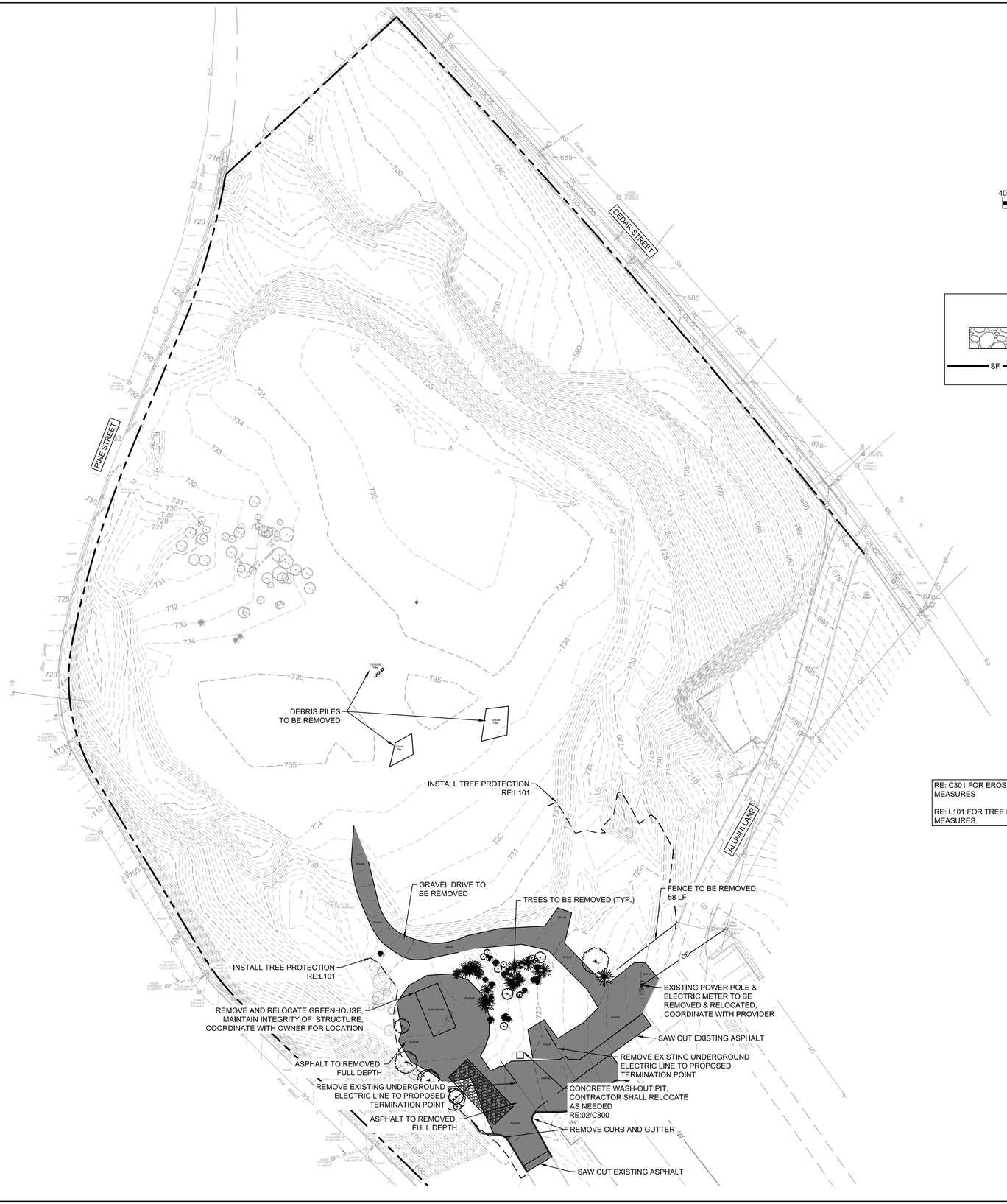
SURVEY

C200

\\Chosten-Server\Revit Jobs\2535029.2-Arkansas School for Mathematics, Sciences & the Arts-Hallknell_dwg (IN PROGRESS)\2535029.2 TP.dwg PLOT:5/27/2026 2:51:06 PM ORIG SIZE:30"X42"
2026 AUGUST 28

GENERAL DEMOLITION NOTES:

1. ALL CONCRETE AND ASPHALT NOTED FOR REMOVAL SHALL BE SAW CUT FULL DEPTH AND REMOVED OFF SITE.
2. CONTRACTOR SHALL PROTECT ALL SURVEY CONTROL POINTS.
3. CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS OFF SITE.
4. ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, FENCING, TREES, ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. ALL COST SHALL BE INCLUDED IN BASE BID.
5. WITH PRIOR APPROVAL, CONTRACTOR MAY ESTABLISH AN ON-SITE STAGING AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING STAGING AREA TO ITS ORIGINAL CONDITION. SECURITY OF STAGING AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. ON-SITE VEGETATION SHALL BE PROTECTED AS NOTED. IN DESIGNATED PROTECTION AREAS WHERE THE CONTRACTOR DOES NOT PROTECT VEGETATION AS NOTED, CONTRACTOR SHALL RESTORE VEGETATION TO EXISTING CONDITION AT NO ADDITIONAL EXPENSE TO THE OWNER, TO THE SATISFACTION OF THE ARCHITECT.
7. CONTRACTOR SHALL PROTECT ALL ABOVE GROUND UTILITY FEATURES NOT BEING REMOVED INCLUDING, BUT NOT LIMITED TO, MANHOLES, VALVES, AND INLETS. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY.
8. TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE, WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 14 DAYS SHALL BE STABILIZED IMMEDIATELY WITH TEMPORARY SEED AND MULCH PER THE AUTHORITY HAVING JURISDICTION.
9. CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, LANE CLOSURES, DETOURS, ETC. BOTH VEHICULAR AND PEDESTRIAN.
10. CONTRACTOR SHALL PROVIDE TEMPORARY UTILITY SERVICE IF REQUIRED.
11. CONTRACTOR SHALL ENSURE CONSTRUCTION SITE HAS POSITIVE DRAINAGE THROUGHOUT THE DURATION OF CONSTRUCTION.
12. PRIOR TO UTILITY DEMOLITION COORDINATE WITH AUTHORITY HAVING JURISDICTION.
13. UTILITIES BEING REMOVED OR RELOCATED SHALL BE ISOLATED AND SERVICE DISCONNECTED PRIOR TO ANY DEMOLITION.
14. NO UTILITY INTERRUPTIONS WILL BE ALLOWED WITHOUT CONSENT OF THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT A MINIMUM OF FOUR WORKING DAYS PRIOR TO THE REQUESTED SHUT DOWN.



N

40 0 20 40

1" = 40'

LEGEND

STABILIZED CONSTRUCTION ENTRANCE
RE: 03/C800

SF — SILT FENCE
RE: 01/C800

RE: C301 FOR EROSION CONTROL MEASURES

RE: L101 FOR TREE PROTECTION MEASURES

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director review

wallace design collective

wallace design collective, pc
structural·civil·landscape·survey
5100 jb hunt drive, suite 250
rogers, arkansas 72758
479.364.0194 · 800.364.5858

arkansas #93
exp: 12.31.27

DEMOLITION PLAN

C300

2026 AUGUST 28

GENERAL EROSION CONTROL NOTES:

1. ALL GRADING AND EROSION CONTROL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN, THE CITY OF HOT SPRINGS STANDARDS AND SPECIFICATIONS, AND STATE PERMITTING REQUIREMENTS, RE: ARR150000.

2. THE PERMITTEE SHALL BE RESPONSIBLE FOR NOTIFYING THE LAND OWNER AND EACH CONTRACTOR OR ENTITY (INCLUDING UTILITY CREWS AND CITY EMPLOYEES OR THEIR AGENTS) WHO WILL PERFORM WORK AT THE SITE OF THE EXISTENCE OF THE SWPPP AND WHAT ACTIONS OR PRECAUTIONS SHALL BE TAKEN WHILE ON-SITE TO MINIMIZE THE POTENTIAL FOR EROSION AND THE POTENTIAL FOR DAMAGING ANY BMP. THE PERMITTEE IS RESPONSIBLE FOR ANY DAMAGE A SUBCONTRACTOR MAY DO TO ESTABLISHED BMPS AND ANY SUBSEQUENT WATER QUALITY VIOLATION RESULTING FROM THE DAMAGE.

3. ENSURE THE DESIGN, INSTALLATION, AND MAINTENANCE OF EFFECTIVE EROSION AND SEDIMENT CONTROLS TO MINIMIZE THE DISCHARGE OF POLLUTANTS. AT A MINIMUM, SUCH CONTROLS MUST BE DESIGNED, INSTALLED, AND MAINTAINED TO:
   - 3.1. CONTROL STORMWATER VOLUME, VELOCITY, AND PEAK FLOW RATES WITHIN THE SITE TO MINIMIZE SOIL EROSION;
   - 3.2. CONTROL STORMWATER DISCHARGES, INCLUDING BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND TO MINIMIZE DOWNSTREAM CHANNEL AND STREAM BANK EROSION AND SCOUR;
   - 3.3. MINIMIZE THE AMOUNT OF EXPOSED SOIL DURING CONSTRUCTION ACTIVITY;
   - 3.4. MINIMIZE THE DISTURBANCE OF STEEP SLOPES;
   - 3.5. MINIMIZE SEDIMENT DISCHARGES FROM THE SITE. DESIGN, INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROLS THAT ADDRESS FACTORS SUCH AS THE AMOUNT, FREQUENCY, INTENSITY AND DURATION OF PRECIPITATION, THE NATURE OF RESULTING STORMWATER RUNOFF, AND SOIL CHARACTERISTICS, INCLUDING THE RANGE OF SOIL PARTICLE SIZE EXPECTED TO BE PRESENT ON THE SITE.
   - 3.6. PROVIDE AND MAINTAIN NATURAL BUFFERS AROUND SURFACE WATERS
   - 3.7. DIRECT STORMWATER TO VEGETATED AREAS TO INCREASE SEDIMENT REMOVAL AND MAXIMIZE STORMWATER INFILTRATION AND FILTERING, UNLESS INFEASIBLE; AND
   - 3.8. MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL WHERE PRACTICABLE

4. INSTALLATION OF BMPS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENTATION AT THE DOWNGRADIENT PROJECT BOUNDARY (E.G. BUFFERS, PERIMETER CONTROLS, EXIT POINT CONTROLS, STORM DRAIN INLET PROTECTION) MUST BE COMPLETE PRIOR TO THE START OF ALL PHASES OF CONSTRUCTION. BY THE TIME CONSTRUCTION ACTIVITY IN ANY GIVEN PORTION OF THE SITE BEGINS, DOWNGRADIENT BMPS MUST BE INSTALLED AND OPERATIONAL TO CONTROL DISCHARGES FROM THE INITIAL SITE CLEARING, GRADING, EXCAVATING, AND OTHER EARTH-DISTURBING ACTIVITIES. ADDITIONAL BMPS SHALL BE INSTALLED AS NECESSARY THROUGHOUT THE LIFE OF THE PROJECT. FOLLOWING THE INSTALLATION OF THESE INITIAL BMPS, ALL BMPS NEEDED TO CONTROL DISCHARGES SHALL BE INSTALLED AND MADE OPERATIONAL PRIOR TO SUBSEQUENT EARTH DISTURBING ACTIVITIES.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A STABILIZED CONSTRUCTION ENTRANCE AND FOR CLEANING OF VEHICLE WHEELS IN ACCORDANCE WITH THE CITY OF HOT SPRINGS STANDARDS AND SPECIFICATIONS.

6. PERIMETER CONTROLS (SUCH AS SILT FENCE, STRAW WATTLES, OR SIMILAR MEASURES): PLACEMENT OF PERIMETER CONTROLS SHALL BE AS SHOWN ON THESE PLANS. CONTROLS WHICH BECOME DAMAGED SHALL BE REPLACED PROMPTLY. DEPOSITS OF SILT WHICH BUILD UP BEHIND CONTROLS MAY BE DISKED ONTO THE SITE BEFORE PLACEMENT OF TEMPORARY COVER. AFTER TEMPORARY COVER IS PLACED OR AFTER LANDSCAPING COMMENCES, SILT SHALL BE REMOVED AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.

7. UNLESS LOCAL OR STATE REQUIREMENTS NECESSITATE MORE FREQUENT MONITORING, CONTRACTOR SHALL INSPECT EROSION CONTROL DEVICES EVERY 7 DAYS OR WITHIN 24 HOURS OF A STORM OF 0.5 INCHES OR MORE IN DEPTH (EXCLUSIVE OF HOLIDAYS). THE CONTRACTOR SHALL REPAIR DAMAGE, CLEAN OUT SEDIMENT, AND ADD ADDITIONAL CONTROL DEVICES AS NEEDED AS SOON AS POSSIBLE AFTER INSPECTION. DEFICIENCIES MUST BE CORRECTED WITHIN 7 DAYS.

8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL FINES ASSOCIATED WITH EROSION CONTROL VIOLATIONS.

TEMPORARY STABILIZATION:

1. INITIATE THE INSTALLATION OF STABILIZATION MEASURES IMMEDIATELY IN ANY DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS ON ANY PORTION OF THE SITE.

2. TEMPORARY STABILIZATION SHALL INCLUDE TEMPORARY SEEDING, GEOTEXTILES, MULCHES, AND/OR OTHER TECHNIQUES TO REDUCE OR ELIMINATE EROSION UNTIL EITHER FINAL STABILIZATION CAN BE ACHIEVED OR UNTIL FURTHER CONSTRUCTION ACTIVITIES TAKE PLACE TO RE-DISTURB THIS AREA.

3. TEMPORARY STABILIZATION SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL AND STATE REQUIREMENTS.

FINAL STABILIZATION:

1. FINAL STABILIZATION SHALL BE INSTALLED IN ACCORDANCE WITH THE LANDSCAPE PLANS AND LOCAL AND STATE REQUIREMENTS.

2. UNLESS OTHERWISE INDICATED, ALL DISTURBED SOIL AREAS SHALL RECEIVE FOUR (4) INCHES OF TOPSOIL AND SHALL BE PERMANENTLY STABILIZED WITH SEED OR SOD.

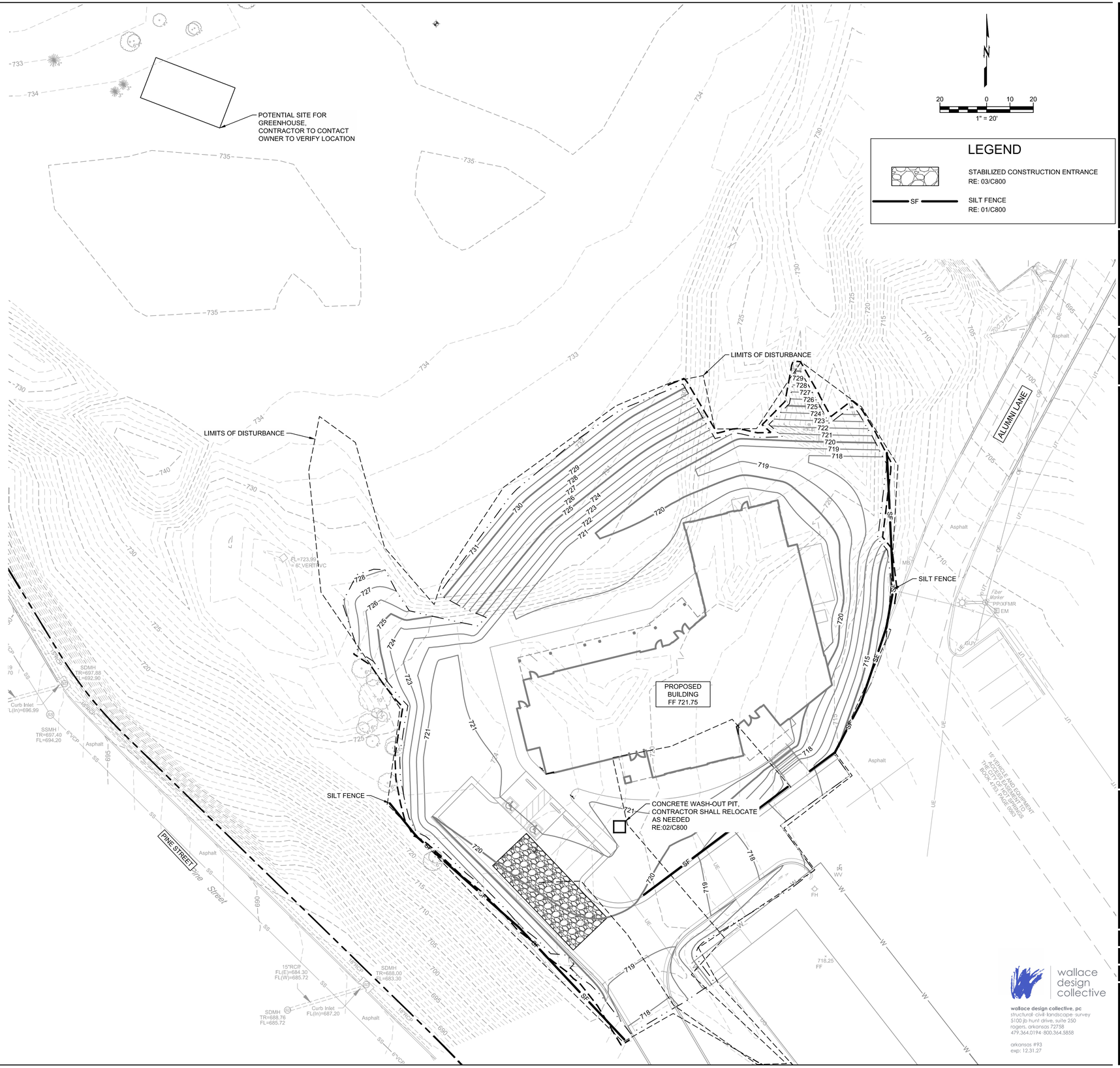
3. CONTRACTOR SHALL MAINTAIN PERENNIAL VEGETATION UNTIL UNIFORM COVER IS ESTABLISHED. UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS, THIS SHALL INCLUDE A MINIMUM OF 70% COVERAGE AND NO BARE AREAS OF 10 SQUARE FEET OR MORE.

4. TEMPORARY EROSION CONTROL MEASURES (SILT FENCE, INLET SEDIMENT TRAPS, CONSTRUCTION ENTRANCES, ETC.) SHALL BE COMPLETELY REMOVED FROM THE SITE WHEN THEY ARE NO LONGER NEEDED, UNLESS THEY ARE APPROVED BY THE ENGINEER TO REMAIN IN PLACE FOR PERMANENT STABILIZATION OR BIODEGREDATION (I.E. EROSION CONTROL BLANKETS). REMOVAL OF THE CONTROLS SHALL BE COORDINATED WITH THE WEATHER FORECAST SO THAT REMOVAL FALLS WITHIN A FORECAST DRY PERIOD. FOR CONTROLS WITHIN AREAS TO BE PAVED, THEY SHALL BE REMOVED IMMEDIATELY PRIOR TO THE COMMENCEMENT OF PAVEMENT OPERATIONS IN THE LOCATION OF THE CONTROL. FOR CONTROLS DOWN SLOPE OF VEGETATED AREAS, AT LEAST 70% OF THE VEGETATIVE COVER MUST BE ESTABLISHED PRIOR TO THE REMOVAL OF THE CONTROLS. WHERE HYDROSEED IS PERMITTED BY THE ENGINEER, THAT SHALL BE CONSIDERED STABILIZED. SOD SHALL BE CONSIDERED ESTABLISHED WHEN THE ROOTS TIE IT TO THE GROUND (TYPICALLY TAKES 2 TO 6 WEEKS). RESTORE AND STABILIZE ANY AREA DISTURBED BY THE REMOVAL OF AN EROSION CONTROL MEASURE.

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CAUTION
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LEGEND

- STABILIZED CONSTRUCTION ENTRANCE — RE: 03/C800
- SF — SILT FENCE — RE: 01/C800

ARCHITECT

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REGISTRATION

STATE OF ARKANSAS — LICENSED PROFESSIONAL ENGINEER — No. 23870 — ALAN TAYLOR — 8/20/2026

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

date 2026 AUGUST 28

director review

EROSION CONTROL PLAN

C301

wallace design collective

wallace design collective, pc
structural · civil · landscape · survey
3100 jb hunt drive, suite 250
rogers, arkansas 72758
479.364.0194 · 800.364.5858

arkansas #93
exp: 12.31.27

2026 AUGUST 28

GENERAL PAVING NOTES:

1. ALL MATERIALS, EXECUTION, AND TESTING TO CONFORM TO AHJ REQUIREMENTS (I.E. LOCAL OR STATE DOT STANDARDS AND SPECIFICATIONS).
2. ALL PAVING AND EARTHWORK OPERATIONS SHALL CONFORM TO THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT.
3. CONTRACTOR TO PROVIDE PRODUCT DATA SUBMITTALS INCLUDING, BUT NOT LIMITED TO, DESIGN MIXES, MATERIAL CERTIFICATES, AND MATERIAL TEST REPORTS FOR MATERIALS AND PRODUCTS ASSOCIATED WITH PAVING AND PAVEMENT MARKING OPERATIONS.
4. CONTRACTOR SHALL DEVELOP AND IMPLEMENT PROPER TRAFFIC CONTROL IN CONFORMANCE WITH THE LATEST REVISION OF THE MUTCD. ACCESS FOR EMERGENCY VEHICLES AND LOCAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
5. PAVEMENT SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND TO THE GRADES AND ELEVATIONS REQUIRED BY THE CONSTRUCTION DOCUMENTS.
6. PAVEMENT CONTRACTOR TO INSPECT PAVEMENT SUBGRADE AND CORRECT ANY DEFICIENCIES PRIOR TO PAVING OPERATIONS.
7. CONTRACTOR TO COORDINATE CONSTRUCTION TESTING UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS.
8. THE PAVEMENT SECTIONS SHOWN IN DETAIL C800 ARE SHOWN FOR REFERENCE AND WERE PROVIDED BY MTA ENGINEERS BASED ON SITE SPECIFIC CONDITIONS AS OUTLINED IN THEIR REPORT DATED MARCH 31, 2026. ANY QUESTIONS REGARDING THE SUITABILITY OF THESE OR ALTERNATE PAVEMENTS SECTIONS, SPECIFIC PAVEMENT MAINTENANCE REQUIREMENTS, OR POTENTIAL PAVEMENT LIFE SHOULD BE DIRECTED TO MTA ENGINEERS, AS THIS IS BEYOND WALLACE'S SCOPE OF SERVICES FOR THIS PROJECT.

ASPHALT PAVEMENT:

9. CONSTRUCT JOINTS TO ENSURE A CONTINUOUS BOND BETWEEN ADJOINING PAVEMENT SECTIONS. OFFSET LONGITUDINAL JOINTS, IN SUCCESSIVE COURSES, A MINIMUM OF 6 INCHES AND TRANSVERSE JOINTS A MINIMUM OF 24 INCHES.
10. WHERE DIFFERENT THICKNESS PAVEMENTS ABUT, PROVIDE A THICKENED EDGE ON THE THINNER PAVEMENT SECTION, WHICH TRANSITIONS TO THE THICKER PAVEMENT DEPTH ACROSS FOUR FEET.
11. UNIFORM DENSITY REQUIREMENTS:
    - 11.1. AVERAGE DENSITY: 96 PERCENT OF REFERENCE LABORATORY DENSITY ACCORDING TO ASTM D 6927 BUT NOT LESS THAN 94 PERCENT OR GREATER THAN 100 PERCENT, OR
    - 11.2. AVERAGE DENSITY: 92 PERCENT OF REFERENCE MAXIMUM THEORETICAL DENSITY ACCORDING TO ASTM D 2041 BUT NOT LESS THAN 90 PERCENT OR GREATER THAN 96 PERCENT.
12. INSTALLATION TOLERANCES:
    - 12.1. PAVEMENT THICKNESS: BASE COURSE PLUS OR MINUS 1/2 INCH; SURFACE PLUS 1/4 INCH.
    - 12.2. PAVEMENT SMOOTHNESS: BASE COURSE 1/4 INCH IN 10 FEET; SURFACE COURSE 1/8 INCH IN 10 FEET.

CONCRETE PAVEMENT:

13. CONCRETE PLACEMENT TO CONFORM TO ACI 301 / 306 / 330 REQUIREMENTS.
14. CONCRETE MATERIAL:
    - 14.1. 28 DAY COMPRESSIVE STRENGTH: 4000 PSI MINIMUM
    - 14.2. MAXIMUM W/C RATIO AT POINT OF PLACEMENT: 0.45
    - 14.3. SLUMP: 4 INCHES PLUS OR MINUS 1 INCH
    - 14.4. AIR CONTENT: 6 PERCENT PLUS OR MINUS 1-1/2 PERCENT
15. STEEL:
    - 15.1. GRADE 60
    - 15.2. COMPLY WITH CRSI'S "MANUAL OF STANDARD PRACTICE" FOR FABRICATION, PLACEMENT, AND SUPPORT.
16. JOINTS:
    - 16.1. FORM CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE. WHEN JOINING EXISTING PAVING, PLACE JOINTS TO ALIGN WITH PREVIOUSLY PLACED JOINTS UNLESS OTHERWISE INDICATED.
    - 16.2. FORM ISOLATION JOINTS OF PREFORMED JOINT-FILLER STRIPS ABUTTING LIGHT STANDARD FOUNDATIONS, MANHOLES, INLETS, STRUCTURES, OR OTHER FIXED OBJECTS. EXTEND JOINT FILLERS THE FULL WIDTH AND DEPTH OF PAVEMENT.
    - 16.3. CONTRACTION JOINT DEPTH TO BE 1/4 OF THE TOTAL CONCRETE THICKNESS.
    - 16.4. JOINTS SHOULD EXTEND THROUGH ADJACENT CURB AND GUTTER.
17. JOINT SPACING
    - 17.1. JOINT SPACING SHALL NOT EXCEED 24 TO 30 TIMES THE PAVEMENT THICKNESS (E.G. 0.5' THICK CONCRETE x 30 = 15' MAXIMUM JOINT SPACING) WITH A MAXIMUM SPACING OF 15 FEET.
    - 17.2. LAY OUT JOINTS TO FORM SQUARE PANELS. WHEN THIS IS NOT PRACTICAL, RECTANGULAR PANELS CAN BE USED, BUT THE LENGTH SHALL NOT BE MORE THAN 25% LONGER THAN THE WIDTH (E.G. A 15' LONG PANEL CANNOT BE LESS THAN 12' WIDE).
    - 17.3. CONTRACTOR TO SUBMIT A JOINT LAYOUT PLAN FOR REVIEW AND APPROVAL PRIOR TO COMMENCING PAVING OPERATIONS. CONTRACTOR TO TAKE INTO ACCOUNT REVIEW TIME AND CHANGES PER ANY COMMENTS WHEN SCHEDULING THE SUBMISSION OF THE JOINT LAYOUT PLAN.
18. REINFORCEMENT OF IRREGULARLY SHAPED PANELS OR MISMATCHED JOINTS
    - 18.1. ON PANELS WITH RADII, ON PANELS THAT TAPER TO A SHARP ANGLE, AND/OR WHEN THE LENGTH TO WIDTH RATIO EXCEEDS 1.25, PROVIDE A MINIMUM OF 0.05 PERCENT STEEL IN BOTH DIRECTIONS ACROSS THE ENTIRE PANEL.
    - 18.2. WHERE JOINT PATTERNS OF ABUTTING PAVEMENTS DO NOT MATCH AND ARE NOT SEPARATED BY AN EXPANSION JOINT, PROVIDE A MINIMUM OF 0.05 PERCENT STEEL IN THE PAVEMENT OPPOSITE OF THE MISMATCHED JOINT FOR A DISTANCE OF THREE FEET BACK FROM THE JOINT ALONG THE FULL WIDTH OF THE PANEL.
19. WHERE DIFFERENT THICKNESS PAVEMENTS ABUT, PROVIDE A THICKENED EDGE ON THE THINNER PAVEMENT SECTION WHICH TRANSITIONS TO THE THICKER PAVEMENT DEPTH ACROSS FOUR FEET.
20. PROVIDE MEDIUM TO FINE TEXTURED BROOM FINISH UNLESS OTHERWISE INDICATED ON THE PLANS.
21. INSTALLATION TOLERANCES
    - 21.1. ELEVATION: 1/4 INCH
    - 21.2. THICKNESS: PLUS 3/8 INCH, MINUS 1/4 INCH
    - 21.3. SURFACE: 1/4 INCH IN 10 FEET

PAVEMENT MARKINGS:

22. ALLOW PAVING TO AGE A MINIMUM OF 30 DAYS BEFORE STARTING PAVEMENT MARKING OPERATIONS.
23. PAVEMENT MARKING PAINT SHALL BE ACRYLIC, WATERBORNE EMULSION, LEAD AND CHROMATE FREE, READY MIXED, COMPLYING WITH FS TT-P-1952, TYPE II, WITH A DRYING TIME OF LESS THAN THREE MINUTES.
24. COLOR AS INDICATED.

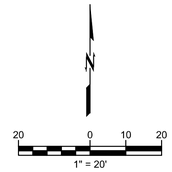
BENCHMARKS:

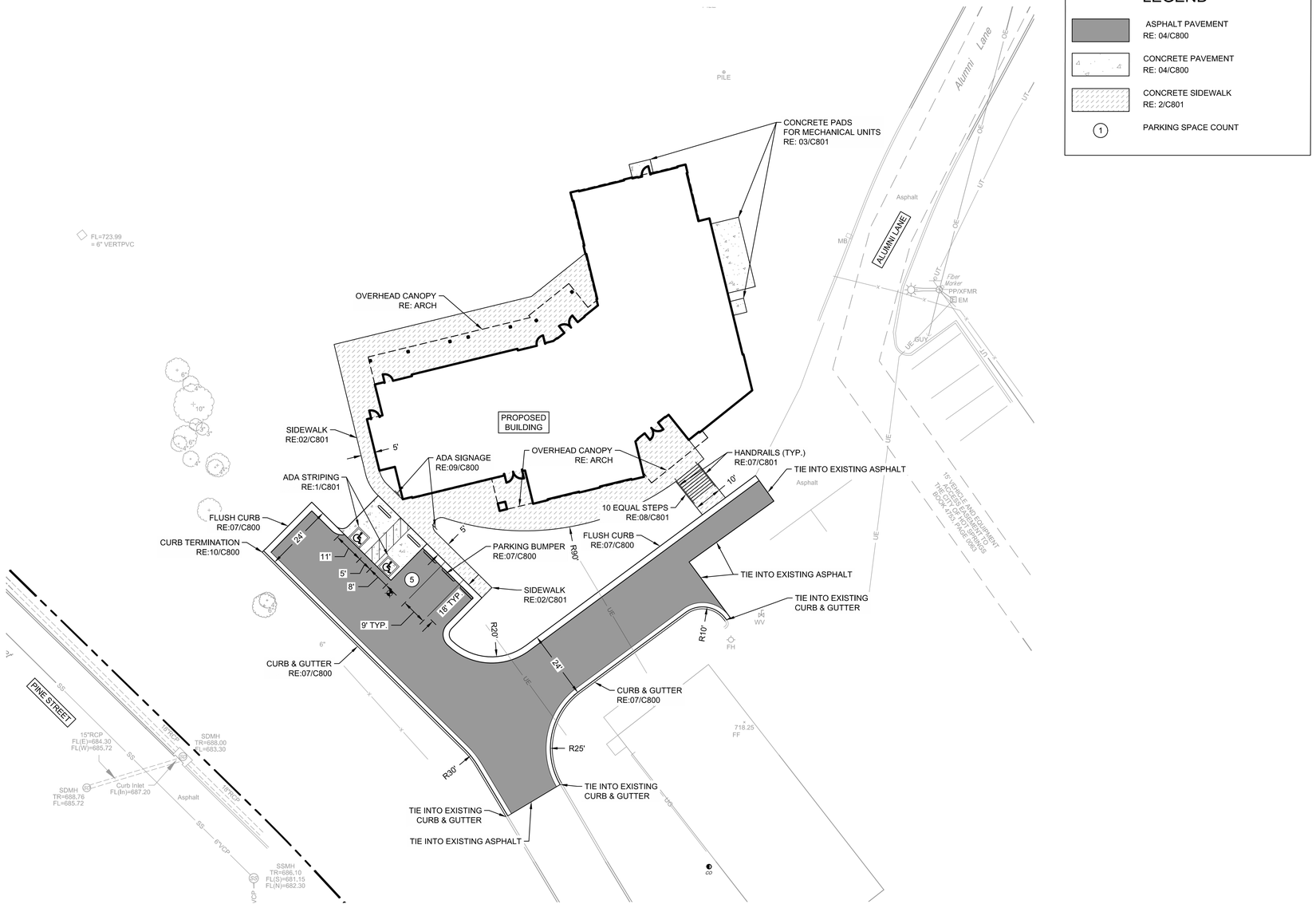
BENCHMARKS PER TOPOGRAPHIC SURVEY COMPLETED BY WALLACE DESIGN COLLECTIVE.

BENCHMARK 1	BENCHMARK 2
3/8" IRON PIN	MAG NAIL IN ASPH
ELEV: 735.41	ELEV: 722.38
N: 198,894.081	N: 1,988,589.922
E: 993,013.676	E: 993,056.172

GENERAL SITE NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL MUNICIPAL REGULATIONS AND CODES, WHICHEVER IS MORE STRINGENT.
2. ALL WORK AND MATERIALS SHALL COMPLY WITH O.S.H.A. STANDARDS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES' SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
4. REFER TO LANDSCAPE PLANS FOR GRASS, TREES, AND PLANTED MATERIALS.
5. ALL DIMENSIONS AND COORDINATES ARE FROM FACE OF CURB UNLESS SHOWN OTHERWISE.
6. RADII = 3' UNLESS OTHERWISE INDICATED.





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REGISTRATION
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 23870
ALAN TAYLOR
8/20/2026

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD HOUSE
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project #	AR26-0001
date	2026 AUGUST 28
director review	

SITE PLAN

C400

wallace design collective
wallace design collective, pc
structural · civil · landscape · survey
5100 jb hunt drive, suite 250
rogers, arkansas 72758
479.364.0194 · 800.364.5858
arkansas #93
exp: 12.31.27

2026 AUGUST 28

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BENCHMARKS PER TOPOGRAPHIC SURVEY COMPLETED BY WALLACE DESIGN COLLECTIVE.

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3/8" IRON PIN	MAG NAIL IN ASPH
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N

50 0 25 50

1" = 50'

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wallace design collective

wallace design collective, pc
structural·civil·landscape·survey
5100 jbs hunt drive, suite 250
rogers, arkansas 72758
479.364.0194 · 800.364.5858

arkansas #93
exp: 12.31.27

ARCHITECT

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REGISTRATION

STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER ★ ★ ★ No. 23870 ALAN TAYLOR 8/20/2026

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS

ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project #	AR26-0001
date	2026 AUGUST 28
director review	

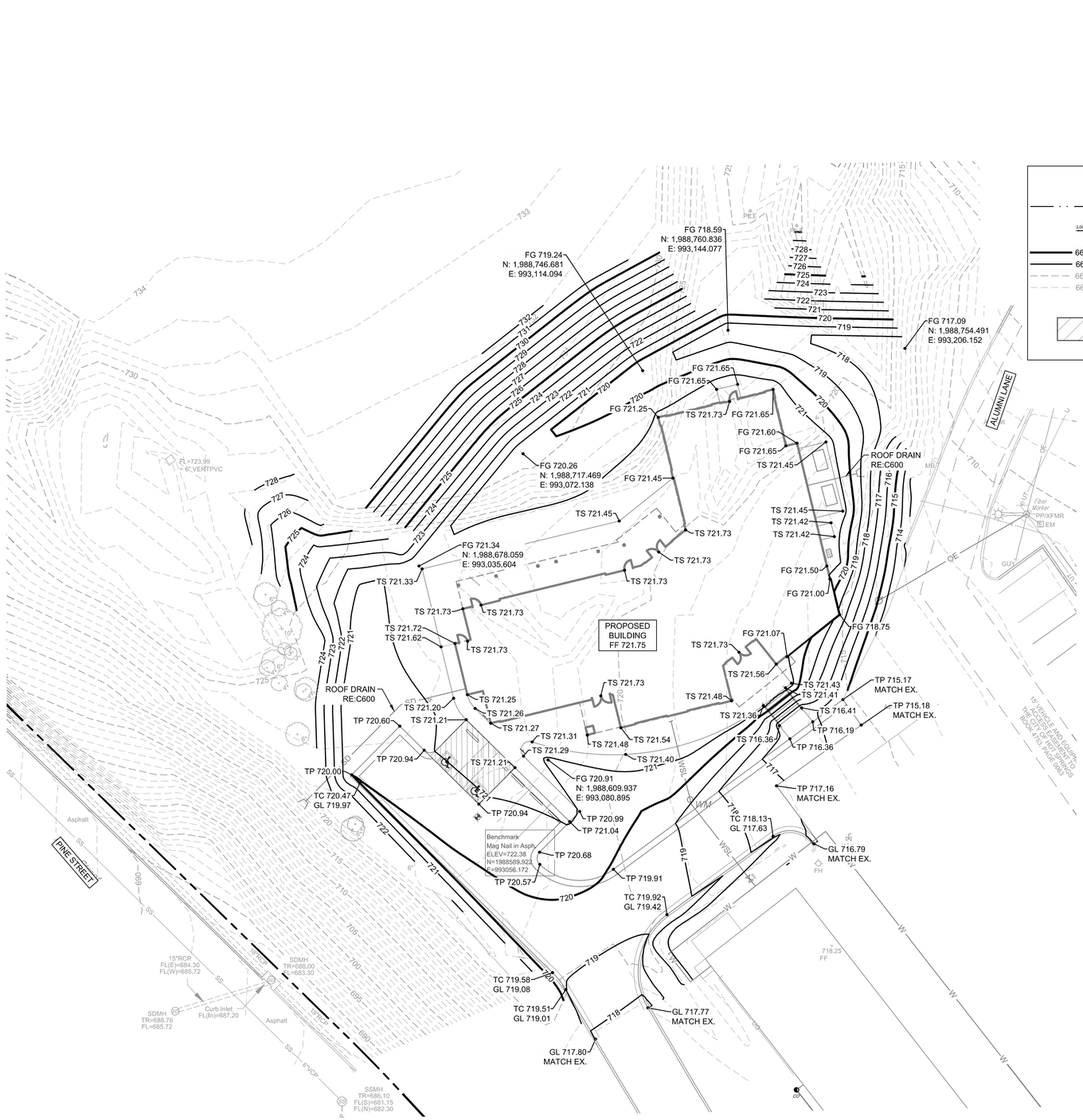
OVERALL SITE PLAN

C401

2026 AUGUST 28

GENERAL GRADING NOTES:

1. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED, INSPECTED, AND APPROVED BY LOCAL AUTHORITIES.
2. ALL BENCHMARKS, CONTROL POINTS, PROPERTY MARKERS, AND RIGHT-OF-WAY MONUMENTS DISTURBED OR DESTROYED SHALL BE RESET UNDER THE SUPERVISION OF A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF ARKANSAS. ALL SURVEYING COSTS SHALL BE THE CONTRACTOR'S.
3. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS BEFORE EXCAVATING.
4. TOPSOIL SHALL BE STRIPPED TO A DEPTH WHERE SOIL IS FREE OF ROOTS AND VEGETATION.
5. REFERENCE GEOTECHNICAL ENGINEERING REPORT BY MTA ENGINEERS DATED MARCH 31, 2026 FOR COMPLETE PAVING AND SUBGRADE RECOMMENDATIONS. CIVIL ENGINEER WILL NOT INTERPRET SOILS REPORTS OR ACCEPT RESPONSIBILITY FOR ALTERNATIVE METHODS PROPOSED BY THE CONTRACTOR.
6. UNDERCUTTING OF SOFT SPOTS AND PLACEMENT OF EARTHWORK IS GOVERNED FIRST BY THE GEOTECHNICAL REPORT. OBSERVATION AND TESTING SHALL BE PERFORMED BY A QUALIFIED GEOTECHNICAL ENGINEER TO VERIFY THAT THE SOFT SPOTS ARE PROPERLY OVEREXCAVATED AND REPLACED OR STABILIZED.
7. IF EXCAVATED MATERIAL IS UNSUITABLE FOR COMPACTION, AS DETERMINED BY THE GEOTECHNICAL ENGINEER, THE CONTRACTOR SHALL FURNISH SUITABLE BORROW.
8. STRIPPING, PROOFROLLING, SUBGRADE SCARIFICATION, COMPACTION, AND FILL CONSTRUCTION IN THE BUILDING AND PAVING AREAS SHALL BE PERFORMED ACCORDING TO THE GEOTECHNICAL REPORT. EMBANKMENT BENEATH BUILDING PADS OR FOR PAVING SUBGRADE SHALL BE PLACED IN LIFTS NOT EXCEEDING EIGHT (8) INCHES AND COMPACTED TO A MINIMUM OF 98% AND 95% STANDARD PROCTOR DENSITY, RESPECTIVELY, AT OPTIMUM MOISTURE CONTENT UNLESS OTHERWISE SPECIFIED THEREIN. CONTRACTOR SHALL PROVIDE WATER AS REQUIRED TO OBTAIN SPECIFIED COMPACTION.
9. EXCAVATE TO INDICATED ELEVATIONS AND DIMENSIONS WITHIN A TOLERANCE OF PLUS OR MINUS 1 INCH. IF APPLICABLE, EXTEND EXCAVATIONS A SUFFICIENT DISTANCE FROM STRUCTURES FOR PLACING AND REMOVING CONCRETE FORMWORK, FOR INSTALLING SERVICES AND OTHER CONSTRUCTION, AND FOR INSPECTIONS.
10. PAVING CONTRACTOR IS RESPONSIBLE TO REVIEW ALL FIELD ESTABLISHED GRADES PRIOR TO PLACEMENT OF MATERIALS SO AS TO PROVIDE POSITIVE DRAINAGE IN ALL CASES.
11. CONTRACTOR SHALL COORDINATE AND PROVIDE ALL STAKING NECESSARY TO INSTALL CONDUITS SUFFICIENT FOR UTILITY AND IRRIGATION SERVICES WHETHER OR NOT SHOWN ON THE CIVIL ENGINEER'S PLANS.
12. GRADES NOT OTHERWISE INDICATED ON THE PLANS SHALL BE UNIFORM LEVELS OR SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE GIVEN, ABRUPT CHANGES IN SLOPES SHALL BE WELL ROUNDED. THE CONTRACTOR IS RESPONSIBLE FOR POSITIVE SITE DRAINAGE.
13. CONTRACTOR IS RESPONSIBLE TO MEET AND MATCH NEW PAVEMENT WITH EXISTING ADJACENT PAVEMENT AREAS. THE TRANSITION BETWEEN THIS SITE AND ADJACENT SITES MUST BE SMOOTH AND MONOLITHIC. ALL GRADING MUST MEET AND MATCH GRADES ON ALL SIDES.
14. ACCESSIBLE ROUTES AND SIDEWALKS ARE NOT TO EXCEED 5% RUNNING SLOPE (EXCEPT AT RAMPS) AND 2% CROSS SLOPE, INCLUDING AT DRIVEWAY CROSSINGS. ACCESSIBLE PARKING AND ACCESS AISLES NOT TO EXCEED 2% SLOPE IN ANY DIRECTION. ALL RAMPS SHALL COMPLY WITH THE APPLICABLE ACCESSIBLE DESIGN GUIDELINES.
15. ALL CUT OR FILL SLOPES SHALL BE 3H:1V OR FLATTER UNLESS OTHERWISE NOTED.
16. LANDSCAPE ISLANDS TO BE FILLED WITH SOIL SUITABLE FOR VEGETATION. THE CONTRACTOR WILL ENSURE THAT NO PONDING WILL OCCUR AT LANDSCAPE ISLANDS. ALL SURFACE WATER MUST DRAIN AROUND THE ISLAND WITH POSITIVE SLOPE. NO WATER SHALL BE TRAPPED.
17. CONTRACTOR SHALL MEET AND MATCH TOP OF JUNCTION BOXES/MANHOLES OR CLEANOUTS WITH FINISHED PAVING GRADES. FINAL GRADES OF ABOVE SURFACE UTILITIES NOT IN PAVED AREAS, INCLUDING BUT NOT LIMITED TO, JUNCTION BOX/MANHOLE LIDS, WATER METER LIDS, AND SEWER CLEANOUTS, ARE TO BE ADJUSTED BY THE UTILITY CONTRACTOR TO CONFORM TO LANDSCAPING SOD INSTALLATIONS.
18. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MEP PLANS FOR THE EXACT LOCATIONS AND DIMENSIONS OF ENTRY, EXIT PORCHES, PRECISE BUILDING DIMENSIONS, EXACT BUILDING UTILITY ENTRANCE LOCATIONS, AND DOWNSPOUTS.
19. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED. EXISTING PIPES ARE TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS AT THE COMPLETION OF THE PROJECT.
20. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY.
21. ALL STORM PIPE ENTERING CONCRETE STRUCTURES SHALL BE GROUTED TO ENSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
22. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY ACCESS ROADS AND SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDING AND STRUCTURES FOR ALL GRASSED AND PAVED AREAS OF ENTIRE SITE THROUGHOUT CONSTRUCTION AND AVOID PONDING OR RUTTING. TEMPORARY DEWATERING, INCLUDING PUMPING, MAY BE REQUIRED AND SHALL BE INCLUDED IN THE SCOPE OF WORK.
23. UNLESS OTHERWISE INDICATED, ALL DISTURBED SOIL AREAS SHALL RECEIVE FOUR (4) INCHES OF TOPSOIL AND SHALL BE PERMANENTLY STABILIZED WITH SEED OR SOD.
24. REMOVE ALL TREES (INCLUDING ROOTBALLS), GRASS, WEEDS, ROOTS, AND OTHER DEBRIS FROM THE AREA TO BE EXCAVATED, FILLED, OR GRADED.
25. EXISTING TREES WHERE INDICATED SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES. ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING. ALL TREE PROTECTION FENCING TO BE INSPECTED DAILY AND ALL GRADING ACTIVITIES TO REMAIN OUTSIDE THE DRIP LINES.



BENCHMARKS:

BENCHMARKS PER TOPOGRAPHIC SURVEY COMPLETED BY WALLACE DESIGN COLLECTIVE.

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ELEV: 735.41	ELEV: 722.38
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E: 993,013.676	E: 993,056.172

ABBREVIATIONS

BC	BACK OF CURB
BL	BUILDING LINE
CL	CENTERLINE
EG	EXISTING GRADE
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOWLINE
GL	GUTTER LINE
HP	HIGH POINT
INV	INVERT
LF	LINEAR FEET
LP	LOW POINT
RW	RIGHT-OF-WAY
SF	SQUARE FEET
SY	SQUARE YARDS
TBK	TOP OF BANK
TC	TOP OF CURB
TG	TOP OF GRATE
TOE	TOE OF BANK
TP	TOP OF PAVEMENT
TR	TOP OF RIM
TS	TOP OF SIDEWALK
TW	TOP OF WALL

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2026 AUGUST 28

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

GRADING AND DRAINAGE

C500

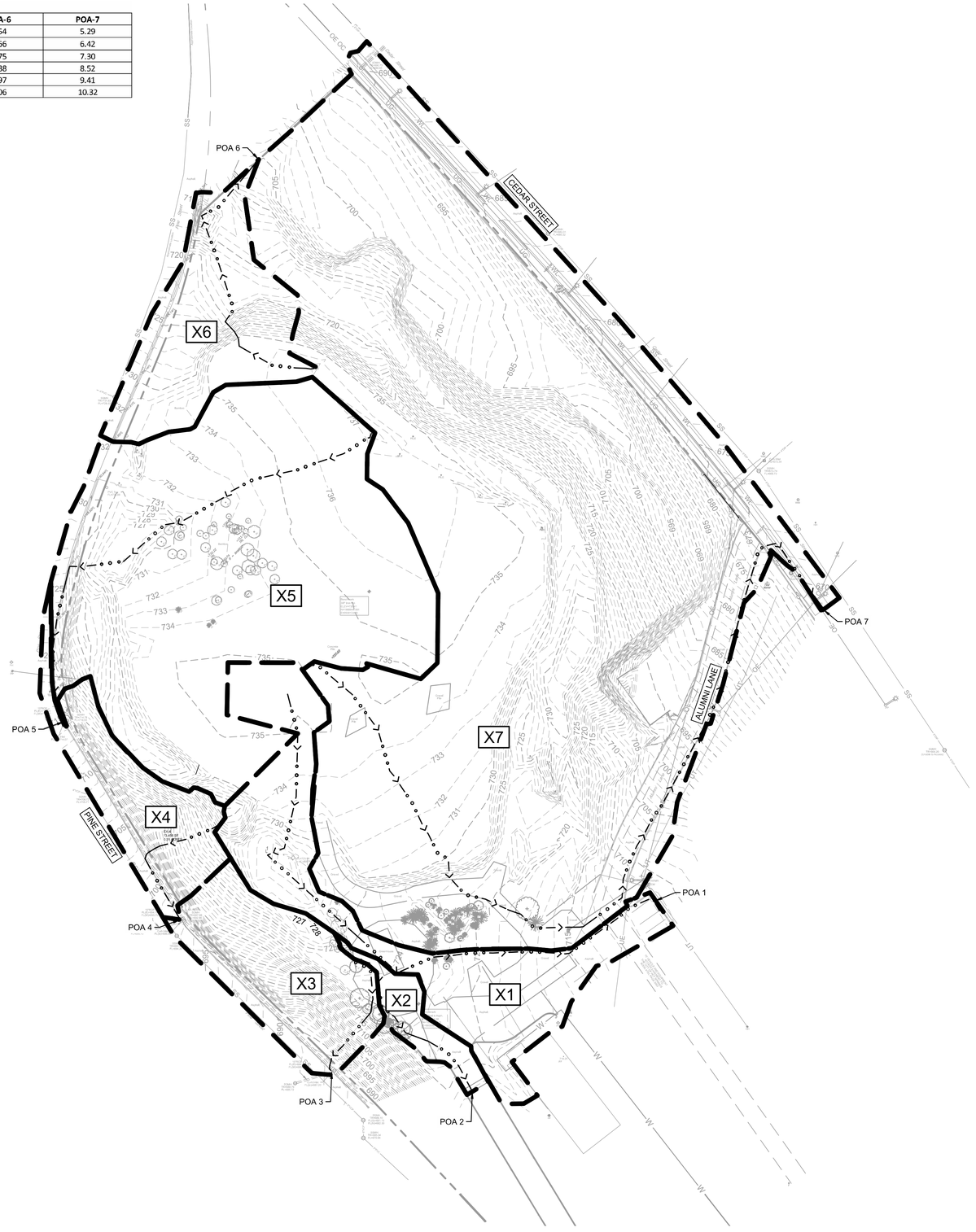
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rogers, arkansas 72758
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arkansas #93
exp: 12.31.27

EXISTING RUNOFF SUMMARY (RATIONAL)

STORM EVENT	POA-1	POA-2	POA-3	POA-4	POA-5	POA-6	POA-7
2 Year (50%)	0.91	0.27	0.74	0.87	1.60	0.54	5.29
5 Year (20%)	1.10	0.32	0.90	1.06	2.04	0.66	6.42
10 Year (10%)	1.26	0.37	1.03	1.21	2.33	0.75	7.30
25 Year (4%)	1.47	0.43	1.20	1.41	2.71	0.88	8.52
50 Year (2%)	1.62	0.48	1.32	1.55	3.00	0.97	9.41
100 Year (1.0%)	1.78	0.52	1.44	1.69	3.28	1.06	10.32

EXISTING DRAINAGE AREA SUMMARY (RATIONAL)

DRAINAGE AREA BASIN	DRAINAGE AREA (SF)	DRAINAGE AREA (ACRES)	COMPOSITE C	REACH GRASS SHEET FLOW (FEET) TR-55	SLOPE GRASS SHEET FLOW (%) TR-55	REACH PAVED SHEET FLOW (FEET) TR-55	SLOPE PAVED SHEET FLOW (%) TR-55	REACH GRASS SHALLOW CONCENTRATED FLOW (FEET) TR-55	SLOPE GRASS SHALLOW CONCENTRATED FLOW (%) TR-55	REACH PAVED SHALLOW CONCENTRATED FLOW (FEET) TR-55	SLOPE PAVED SHALLOW CONCENTRATED FLOW (%) TR-55	TOTAL Tc (MIN)	100 YR Q (CFS)	TIME TO PEAK (MIN)
X-1	29,610	0.68	0.61	250	4.52%	-	-	-	-	294	5.31%	27.0	1.78	27.00
X-2	4,097	0.09	0.76	134	5.58%	60	5.83%					15.0	0.52	15.00
X-3	17,103	0.39	0.42	130	8.10%	-	-	-	-	-	-	11.0	1.44	11.00
X-4	13,456	0.31	0.48	89	48.00%	-	-	-	-	60	7.75%	5.0	1.69	5.00
X-5	77,394	1.78	0.35	280	4.30%	-	-	-	-	135	8.70%	31.0	3.28	31.00
X-6	19,854	0.46	0.39	259	6.20%	-	-	-	-	-	-	24.0	1.06	24.00
X-7	203,218	4.67	0.04	300	5.86%	54	7.80%			452	13.08%	30.0	10.32	30.00



50 0 25 50
1" = 50'

LEGEND

- DRAINAGE FLOW PATH
- DRAINAGE AREA BOUNDARY
- X1 — DRAINAGE AREA LABEL
- POA — POINT OF ANALYSIS

CAUTION
NOTICE TO CONTRACTOR

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REGISTRATION

STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER No. 23870 ALAN TAYLOR 8/20/2026

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(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

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director review

EXISTING DRAINAGE PLAN

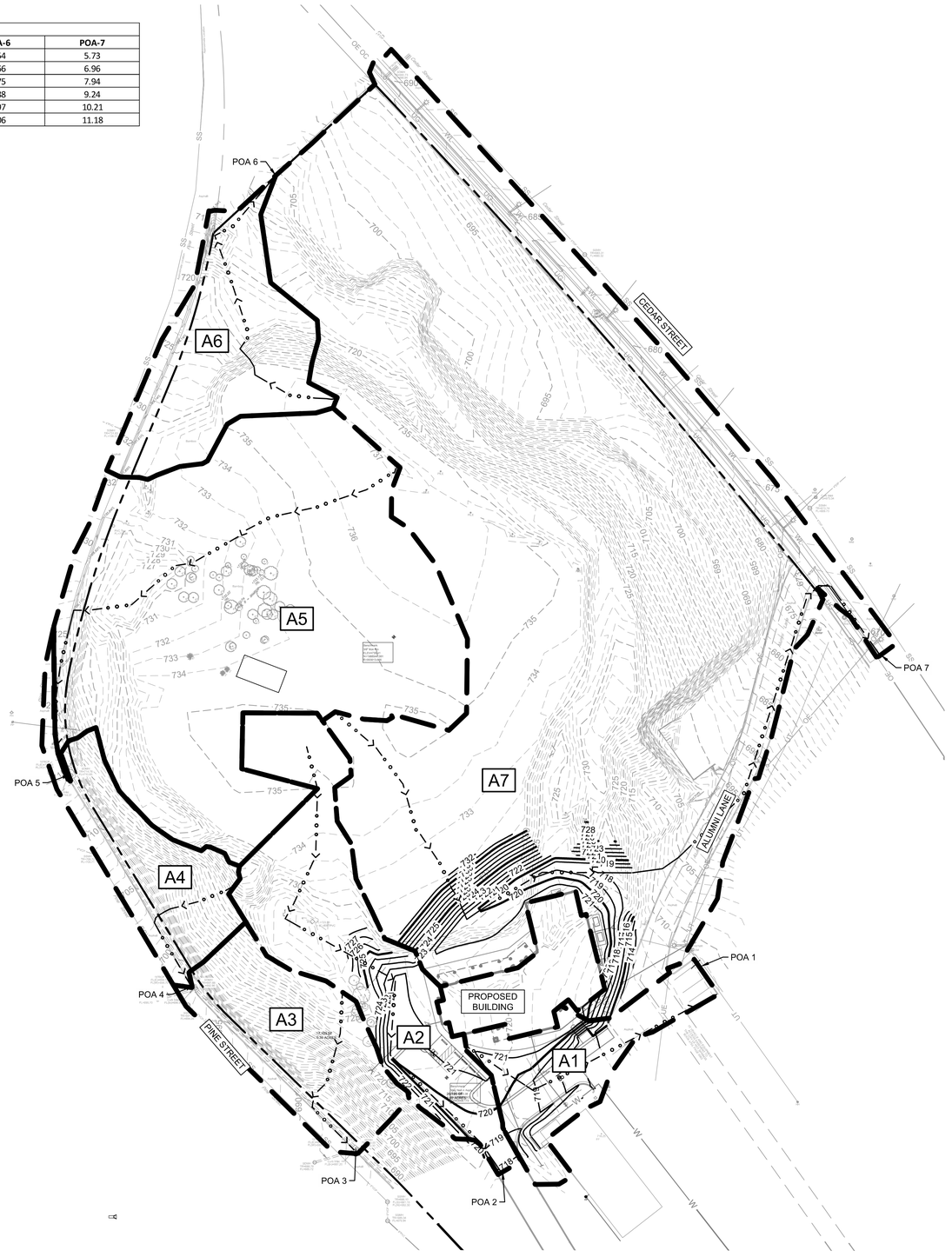
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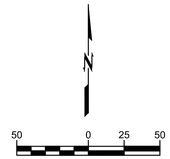
2026 AUGUST 28

RUNOFF SUMMARY (RATIONAL)														
	EXISTING RUNOFF (CFS)	PROPOSED RUNOFF (CFS)	EXISTING RUNOFF (CFS)	PROPOSED RUNOFF (CFS)	EXISTING RUNOFF (CFS)	PROPOSED RUNOFF (CFS)	EXISTING RUNOFF (CFS)	PROPOSED RUNOFF (CFS)	EXISTING RUNOFF (CFS)	PROPOSED RUNOFF (CFS)	EXISTING RUNOFF (CFS)	PROPOSED RUNOFF (CFS)	EXISTING RUNOFF (CFS)	PROPOSED RUNOFF (CFS)
STORM EVENT	POA-1	POA-1	POA-2	POA-2	POA-3	POA-3	POA-4	POA-4	POA-5	POA-5	POA-6	POA-6	POA-7	POA7
2 Year (50%)	0.91	0.83	0.27	0.77	0.74	0.74	0.87	0.87	1.60	1.60	0.54	0.54	5.29	5.73
5 Year (20%)	1.10	1.01	0.32	0.94	0.90	0.90	1.06	1.06	2.04	2.04	0.66	0.66	6.42	6.96
10 Year (10%)	1.26	1.15	0.37	1.07	1.03	1.03	1.21	1.21	2.33	2.33	0.75	0.75	7.30	7.94
25 Year (4%)	1.47	1.34	0.43	1.24	1.20	1.20	1.41	1.41	2.71	2.71	0.88	0.88	8.52	9.24
50 Year (2%)	1.62	1.48	0.48	1.37	1.32	1.32	1.55	1.55	3.00	3.00	0.97	0.97	9.41	10.21
100 Year (1.0%)	1.78	1.62	0.52	1.51	1.44	1.44	1.69	1.69	3.28	3.28	1.06	1.06	10.32	11.18

PROPOSED RUNOFF SUMMARY (RATIONAL)							
STORM EVENT	POA-1	POA-2	POA-3	POA-4	POA-5	POA-6	POA-7
2 Year (50%)	0.83	0.77	0.74	0.87	1.68	0.54	5.73
5 Year (20%)	1.01	0.94	0.90	1.06	2.04	0.66	6.96
10 Year (10%)	1.15	1.07	1.03	1.21	2.33	0.75	7.94
25 Year (4%)	1.34	1.24	1.20	1.41	2.71	0.88	9.24
50 Year (2%)	1.48	1.37	1.32	1.55	3.00	0.97	10.21
100 Year (1.0%)	1.62	1.51	1.44	1.96	3.28	1.06	11.18

PROPOSED DRAINAGE AREA SUMMARY (RATIONAL)														
DRAINAGE AREA BASIN	DRAINAGE AREA (SF)	DRAINAGE AREA (ACRES)	COMPOSITE C	REACH GRASS SHEET FLOW (FEET) TR-55	SLOPE GRASS SHEET FLOW (%) TR-55	REACH PAVED SHEET FLOW (FEET) TR-55	SLOPE PAVED SHEET FLOW (%) TR-55	REACH GRASS SHALLOW CONCENTRATED FLOW (FEET) TR-55	SLOPE GRASS SHALLOW CONCENTRATED FLOW (%) TR-55	REACH PAVED SHALLOW CONCENTRATED FLOW (FEET) TR-55	SLOPE PAVED SHALLOW CONCENTRATED FLOW (%) TR-55	TOTAL Tc (MIN)	100 YR Q (CFS)	TIME TO PEAK (MIN)
A1	12,146	0.28	0.68	58	3.40%	182	5.00%	-	-	-	-	11.0	1.62	11.00
A2	26,456	0.61	0.45	246	5.74%	-	-	63	1.17%	126	1.73%	29.0	1.51	29.00
A3	17,103	0.39	0.42	130	8.10%	-	-	-	-	-	-	11.0	1.44	11.00
A4	13,456	0.31	0.48	89	48.00%	-	-	-	-	60	7.75%	5.0	1.69	5.00
A5	77,394	1.78	0.35	280	4.30%	-	-	-	-	135	8.70%	31.0	3.28	31.00
A6	19,854	0.46	0.39	259	6.20%	-	-	-	-	-	-	24.0	1.06	24.00
A7	195,016	4.48	0.41	245	7.50%	-	-	142	2.00%	330	8.50%	24.0	11.18	24.00





LEGEND

- DRAINAGE FLOW PATH
- DRAINAGE AREA BOUNDARY
- A1 — DRAINAGE AREA LABEL
- POA — POINT OF ANALYSIS

CAUTION
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(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

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PROPOSED DRAINAGE PLAN

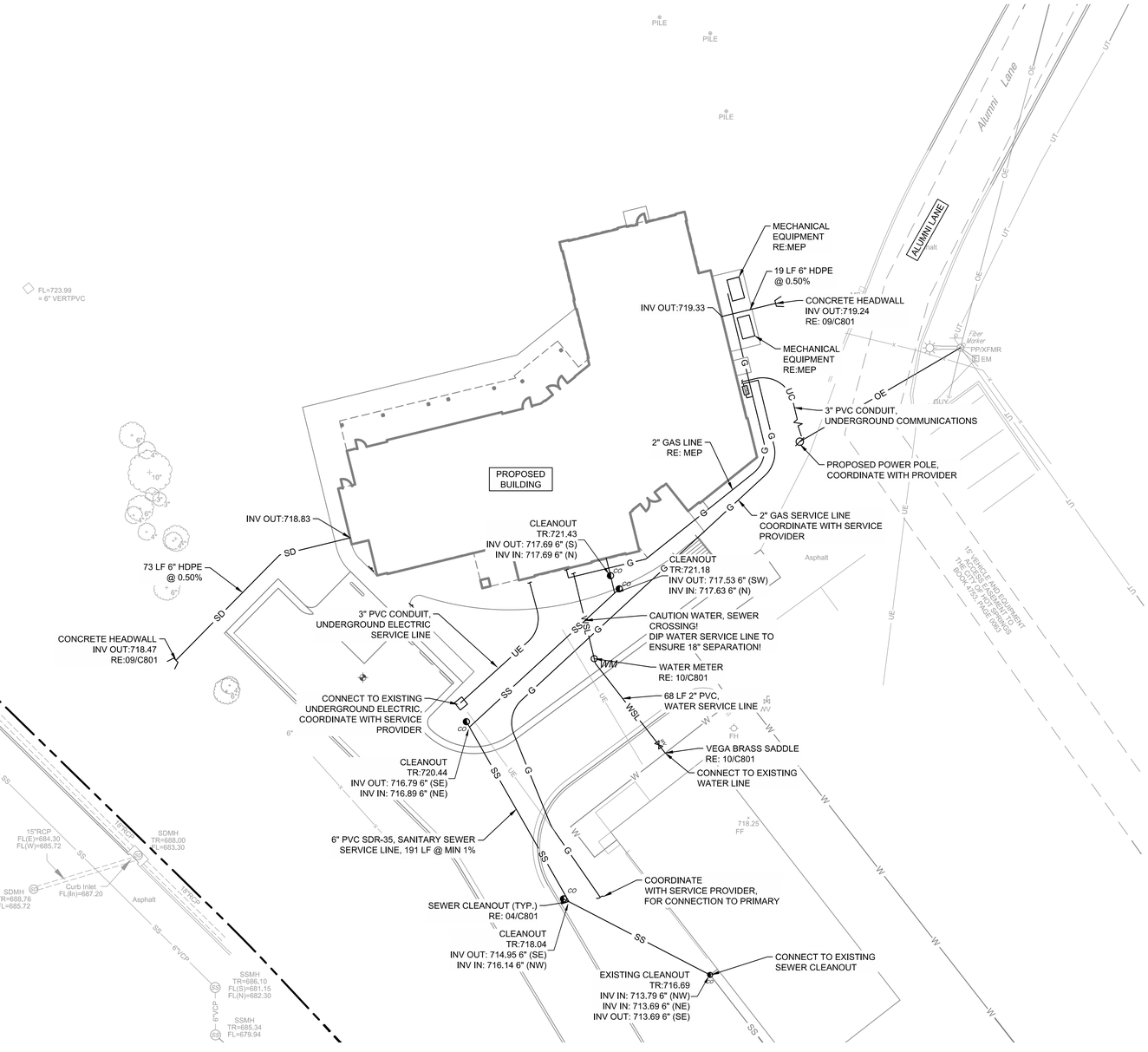
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GENERAL UTILITY NOTES:

1. PRIOR TO CONSTRUCTION, LOCATION OF SITE UTILITIES SHALL BE VERIFIED BY CONTRACTOR WITH THE PROPER UTILITY COMPANY PROVIDING SERVICE. SERVICE LINES SHOWN FOR COORDINATION AND REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH ALL SERVICE PROVIDERS (TELECOMMUNICATIONS, ELECTRIC, GAS, ETC.) PRIOR TO INSTALLING SERVICE LINES OR APPURTENANCES. CONTRACTOR IS TO COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
2. THIS PLAN DEPICTS THE INTENT OF PRIVATE AND FRANCHISE UTILITY ROUTINGS AS UNDERSTOOD DURING DESIGN PHASES OF THE PROJECT. IT IS THE OWNER/DEVELOPER'S RESPONSIBILITY TO NEGOTIATE ALL CONTRACTS FOR SERVICE WITH EACH INDIVIDUAL UTILITY COMPANY AND TO PROVIDE THE ENGINEER WITH ANY DOCUMENTS THAT MAY AFFECT THE LAYOUT.
3. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES' INSPECTORS BEFORE CONNECTING TO ANY EXISTING LINE IN ACCORDANCE WITH LOCAL REQUIREMENTS.
4. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE SPECIFICATIONS OF THE LOCAL AUTHORITIES REGARDING TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
5. NOT ALL EXISTING UNDERGROUND UTILITIES MAY BE SHOWN ON THIS PLAN. THE EXACT LOCATIONS AND NOTIFICATIONS OF THE PROPER AGENCY ARE THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO CONSTRUCTION.
6. CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING PLANS FOR PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS. TERMINATE SERVICE PIPING 5' FROM BUILDING WALL UNTIL BUILDING PIPING SYSTEMS ARE INSTALLED. TERMINATE PIPING WITH VALVE AND CAP PLUG OR FLANGE AS REQUIRED FOR PIPING MATERIAL. MAKE CONNECTIONS TO BUILDING PIPING SYSTEMS WHEN THOSE SYSTEMS ARE INSTALLED.
7. ALL PIPING SHALL BE INSTALLED WITH A MINIMUM OF 30" OF COVER, UNLESS NOTED OTHERWISE. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS. UTILITY TRENCH DETAIL RE: C801. STORM TRENCH DETAIL RE: C801.
8. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING FOR CONTINUATION OF UTILITIES AT BUILDING.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL CONDUITS (INCLUDING IRRIGATION SLEEVES) PRIOR TO PAVING WHETHER OR NOT SHOWN ON CIVIL PLANS. THE CONTRACTOR SHALL INSTALL ALL CONDUITS WITH A PULL STRING. ALL CONDUIT SHALL BE SCH. 40 PVC, UNLESS NOTED OTHERWISE.
10. CONSTRUCT CLAY TRENCH PLUG THAT EXTENDS AT LEAST 5 FEET OUT FROM THE FACE OF THE BUILDING EXTERIOR. THE PLUG MATERIAL SHALL CONSIST OF CLAY COMPACTED AT A WATER CONTENT AT OR ABOVE THE SOIL'S OPTIMUM WATER CONTENT. THE CLAY FILL SHALL BE PLACED TO COMPLETELY SURROUND THE UTILITY LINE AND BE COMPACTED TO AT LEAST 95% STANDARD PROCTOR DENSITY.
11. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY.
12. ALL STORM PIPE ENTERING CONCRETE STRUCTURES SHALL BE GROUTED WITH NON SHRINK GROUT TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
13. CONTRACTOR SHALL REFER TO ELECTRICAL SITE PLAN OR PHOTOMETRIC PLAN (BY OTHERS) FOR ALL SITE LIGHTING CONSTRUCTION DETAILS, REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ADJUSTMENTS TO POLE LOCATIONS AS NECESSARY TO AVOID OBSTRUCTIONS (I.E.. UNDERGROUND UTILITIES, SIDEWALKS, ETC…). CONTRACTOR SHALL POT HOLE EACH LOCATION WHERE A NEW LIGHT POLE IS TO BE PLACED PRIOR TO CONSTRUCTION TO VERIFY THERE ARE NO CONFLICTS WITH EXISTING UTILITIES. IF DAMAGES OCCUR TO EXISTING UTILITIES THEY WILL REPLACE OR REPAIR AT THEIR OWN EXPENSE. POLE LOCATIONS MAY NOT BE ADJUSTED WITHOUT PRIOR APPROVAL FROM THE ENGINEERS SINCE A CHANGE IN LOCATION CAN IMPACT THE INTENDED PHOTOMETRIC DESIGN.
14. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF ANY PROPOSED SIGN(S) AND INSTALLATION OF ANY SECURITY CAMERAS WITH OWNER'S CONSTRUCTION MANAGER. COORDINATE WITH ELECTRICAL SITE PLAN TO PROVIDE ALL CONDUIT NEEDED FOR DATA AND/OR POWER TO SITE SIGN(S), SECURITY CAMERAS, AND LIGHT POLES.



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ALAN TAYLOR No. 23870
8/20/2026

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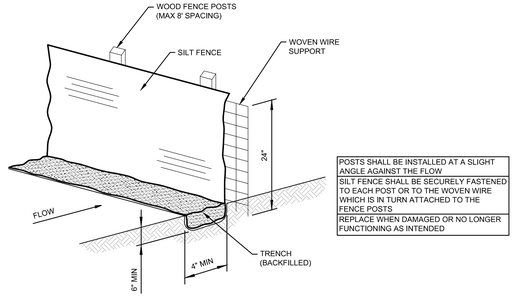
project # AR26-0001
date 2026 AUGUST 28
director review

UTILITY PLAN

C600

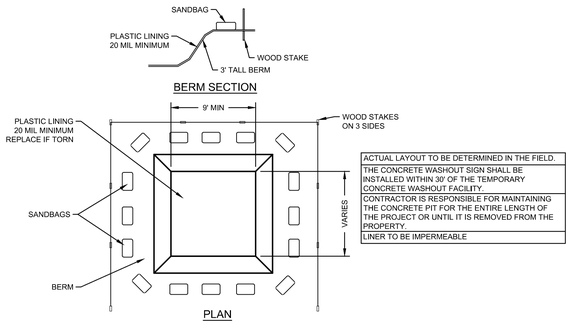
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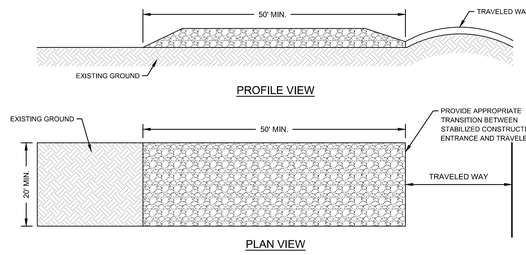
POSTS SHALL BE INSTALLED AT A SLIGHT ANGLE AGAINST THE FLOW
SILT FENCE SHALL BE SECURELY FASTENED TO EACH POST OR TO THE WOVEN WIRE WHICH IS IN TURN ATTACHED TO THE FENCE POSTS.
REPLACE WHEN DAMAGED OR NO LONGER FUNCTIONING AS INTENDED

1 SILT FENCE
SCALE: NTS



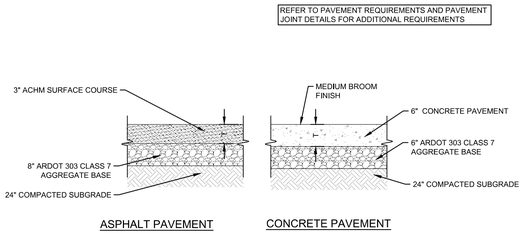
ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD.
THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE CONCRETE PIT FOR THE ENTIRE LENGTH OF THE PROJECT OR UNTIL IT IS REMOVED FROM THE PROPERTY.
LINER TO BE IMPERMEABLE

2 CONCRETE WASHOUT PIT
SCALE: NTS



STONE SIZE AASHTO DESIGNATION M43, SIZE NO. 1 (2-1/2" TO 1-1/2"). USE CRUSHED STONE
LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 50 FEET.
WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO ADJACENT STREETS. WHEN WASHING, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS TO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR OTHER WATERCOURSE THROUGH THE USE OF SANDBAGS, GRAVEL, OR OTHER APPROVED METHOD.
MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
WHEN PLACEMENT WOULD IMPEDE DITCH FLOWS, CONTRACTOR TO INSTALL TEMPORARY CULVERT

3 STABILIZED CONSTRUCTION ENTRANCE
SCALE: NTS



ASPHALT PAVEMENT | CONCRETE PAVEMENT

4 TYPICAL PAVEMENT SECTIONS
SCALE: NTS

24" SCARIFY AND RECOMPACT SUBGRADE TO 95% STANDARD PROCTOR DENSITY
ENGINEERED FILL SPECIFICATIONS 1. LIFTS SHOULD NOT EXCEED EIGHT (8) INCHES IN LOOSE THICKNESS. 2. LIQUID LIMIT (LL) MINIMUM OF 50 3. CONTAINING AT LEAST 15 PERCENT FINES (MATERIAL PASSING THE NO.200, BASED ON DRY WEIGHT) 4. SHALL NOT CONTAIN ROCK FRAGMENTS GREATER THAN 6 INCHES IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATTER. 5. PRIOR TO ANY FILLING OPERATIONS, SAMPLES WILL NEED TO BE TESTED BY AND APPROVED BY GEOTECH ENGINEER.
AGGREGATE BASE TO BE COMPACTED TO 95% STANDARD PROCTOR DENSITY

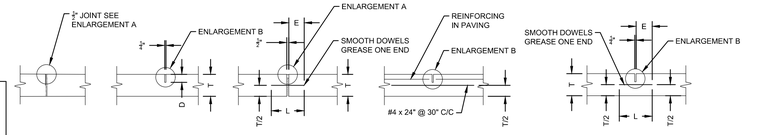
SUBGRADE AND AGG BASE

FLY ASH OR POZZOLAN NOT PERMITTED
COMPRESSIVE STRENGTH (28 DAYS): 4000 PSI
MAX WATER-CEMENTITIOUS RATIO AT POINT OF PLACEMENT: 0.45
SLUMP LIMIT: 4" PLUS OR MINUS 1"
CALCIUM CHLORIDE SHALL NOT BE PERMITTED IN CONCRETE MIXTURES
CHEMICAL ADMIXTURES TO MEET DOT SPECS FOR HIGHWAY CONSTRUCTION
CEMENTITIOUS MATERIALS TO CONFORM TO THE DOT SPECIFICATION FOR HIGHWAY CONSTRUCTION; LIMIT PERCENTAGE BY WEIGHT OF CEMENTITIOUS MATERIAL OTHER THAN PORTLAND CEMENT ACCORDING TO ACI 301 REQUIREMENTS

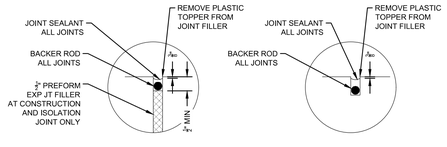
CONCRETE PAVEMENT AND SIDEWALKS

5 TYPICAL PAVEMENT REQUIREMENTS
SCALE: NTS

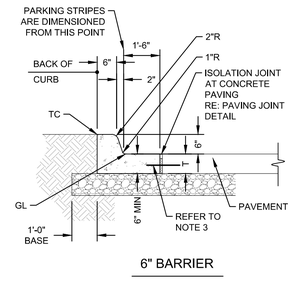
CONTRACTOR IS TO SUBMIT THEIR PROPOSED JOINT LAYOUT TO THE ENGINEER FOR REVIEW AND APPROVAL BEFORE CONCRETE POURING COMMENCES. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE PLAN WITH SUFFICIENT TIME FOR REVIEW AND ANY NECESSARY REVISIONS WITHOUT CAUSING A DELAY IN THE CONSTRUCTION.
JOINTS NOT SHOWN OTHERWISE SHALL BE SAW JOINTS. SAW JOINTS SHALL BE MADE WITHIN 10 HOURS AFTER CONCRETE POUR.
CONCRETE PAVING JOINT SPACING, SEE SCHEDULE.
LENGTH <= 1.25 W. RE: SHEET NOTES FOR ADDITIONAL JOINT INFORMATION.
ALL DOWELS AND BARS TO BE EPOXY COATED. DOWEL BASKETS SHALL BE USED AT ALL DOWELED CONTRACTION JOINTS.
ISOLATION JOINTS REQUIRED WHERE CONCRETE ABUTS CURBS, CATCH BASINS, MANHOLES, INLETS, STRUCTURES, OTHER FIXED OBJECTS, OR EXISTING PAVEMENT



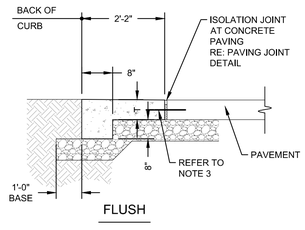
"T" PAVEMENT THICKNESS	DOWEL DIAMETER @ 12" C/C	"L" LENGTH	"E" EMBEDMENT	"D" SAWCUT DEPTH	MAX JOINT SPACING
5"	---	---	---	1 1/4"	12.5'
6"	1"	14"	6"	1 1/4"	15'
7"	1"	14"	6"	1 1/4"	15'
8"	1"	14"	6"	2"	15'



6 PAVING JOINT DETAIL
SCALE: NTS



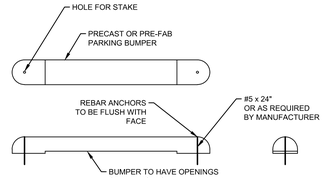
6" BARRIER



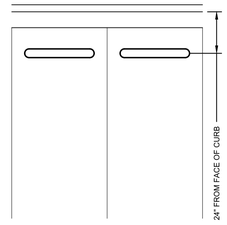
FLUSH

1. PLACE JOINTS IN CURB TO MATCH PAVING - 15 FEET MAX
2. RE: PAVEMENT SECTIONS FOR THICKNESS "T"; 6" MIN
3. EPOXY COATED #4 X 30" DOWELS @ 30" C/C REQUIRED AT UNREINFORCED CURB ADJACENT TO CONCRETE PAVING
4. GUTTER TO SLOPE BACK TO CURB @ 1/4" PER FOOT (TYP).
5. WHEN USED ON THE HIGH SIDE OF ROAD, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT AND THE MINIMUM THICKNESS SHALL BE 6"

7 CURB AND GUTTER
SCALE: NTS

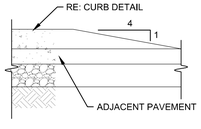


BUMPERS MAY BE CONCRETE, PLASTIC, OR RUBBER
BUMPERS MUST HAVE OPEN SPACE UNDERNEATH
BUMPERS TO BE CENTERED BETWEEN PARKING STRIPES
A SUBMITTAL IS REQUIRED FOR PARKING BUMPERS FOR ENGINEER REVIEW



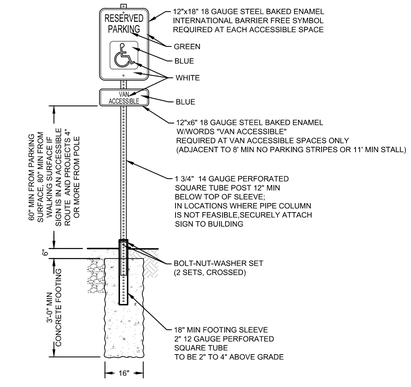
LOCATION AT 90° SPACES

8 PARKING BUMPER
SCALE: NTS



2' TERMINATION

10 CURB TERMINATION
SCALE: NTS



SLEEVED BASE

9 ACCESSIBLE SIGNAGE
SCALE: NTS

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REGISTRATION
STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER No. 23870 ALAN TAYLOR 8/20/2026

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD HOUSE
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project #	AR26-0001
date	2026 AUGUST 28
director review	

DETAILS

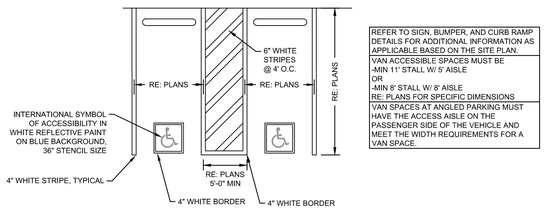
C800

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arkansas #93
exp: 12.31.27

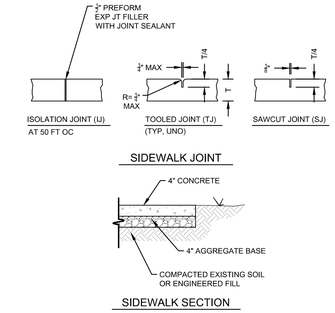
2026 AUGUST 28



90° SPACES

REFER TO SIGN, BUMPER, AND CURB RAMP DETAILS FOR ADDITIONAL INFORMATION AS APPLICABLE BASED ON THE SITE PLAN.
VAN ACCESSIBLE SPACES MUST BE -MIN 11' STALL W/ 5' AISLE OR -MIN 8' STALL W/ 8' AISLE RE: PLANS FOR SPECIFIC DIMENSIONS
VAN SPACES AT ANGLED PARKING MUST HAVE THE ACCESS AISLE ON THE PASSENGER SIDE OF THE VEHICLE AND MEET THE WIDTH REQUIREMENTS FOR A VAN SPACE.

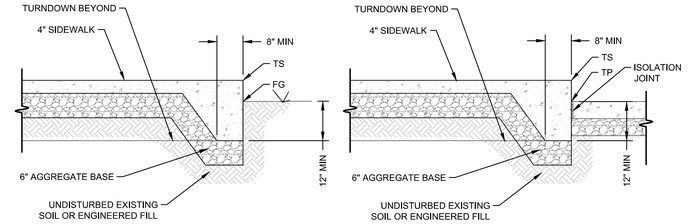
1 ACCESSIBLE STRIPING
SCALE: NTS



SIDEWALK SECTION

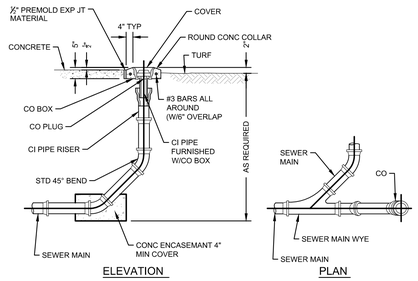
REFER TO TYPICAL PAVEMENT REQUIREMENTS FOR CONCRETE SPECIFICATIONS
SIDEWALK TO HAVE MAX 2% CROSS SLOPE
SIDEWALK FINISH SHALL BE A LIGHT BROOM FINISH, UNO
SIDEWALK THROUGH DRIVEWAYS SHALL BE MIN 6" THICK
SIDEWALK JOINT SPACING EQUAL TO SIDEWALK WIDTH, UNO
AGGREGATE BASE TO BE COMPACTED TO 95% STANDARD PROCTOR DENSITY
COMPACT SUBGRADE TO 95% STANDARD PROCTOR DENSITY
ISOLATION JOINTS REQUIRED WHERE SIDEWALK ABUTS CURBS, CATCH BASINS, MANHOLES, INLETS, STRUCTURES, OTHER FIXED OBJECTS, OR EXISTING PAVEMENT

2 SIDEWALK
SCALE: NTS



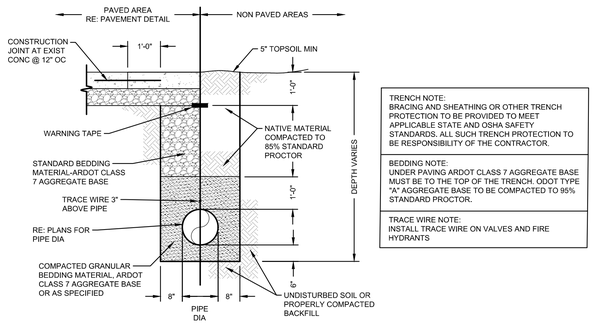
UNREINFORCED SIDEWALK

3 CONCRETE TURNDOWN
SCALE: NTS



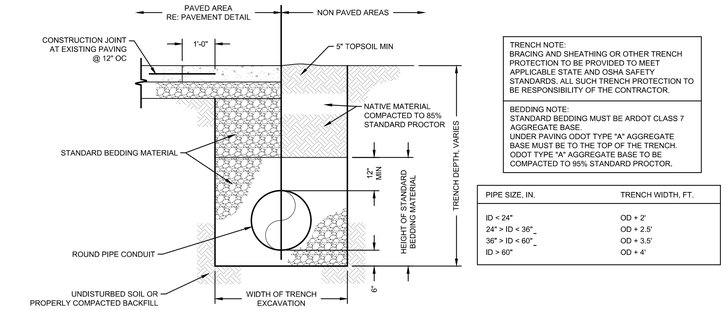
ELEVATION PLAN

4 CLEANOUT
SCALE: NTS



TRENCH NOTE: BRACING AND SHEATHING OR OTHER TRENCH PROTECTION TO BE PROVIDED TO MEET APPLICABLE STATE AND OSHA SAFETY STANDARDS. ALL SUCH TRENCH PROTECTION TO BE RESPONSIBILITY OF THE CONTRACTOR.
BEDDING NOTE: UNDER PAVING ARDOT CLASS 7 AGGREGATE BASE MUST BE TO THE TOP OF THE TRENCH. ODOT TYPE "A" AGGREGATE BASE TO BE COMPACTED TO 95% STANDARD PROCTOR.
TRACE WIRE NOTE: INSTALL TRACE WIRE ON VALVES AND FIRE HYDRANTS

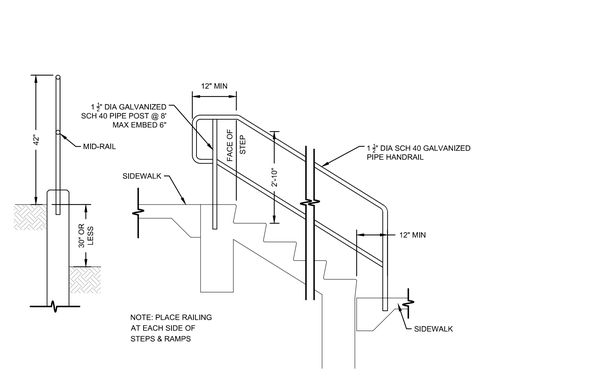
5 PIPE TRENCH-ALL PIPES EXCEPT STORM SEWER
SCALE: NTS



TRENCH NOTE: BRACING AND SHEATHING OR OTHER TRENCH PROTECTION TO BE PROVIDED TO MEET APPLICABLE STATE AND OSHA SAFETY STANDARDS. ALL SUCH TRENCH PROTECTION TO BE RESPONSIBILITY OF THE CONTRACTOR.
BEDDING NOTE: STANDARD BEDDING MUST BE ARDOT CLASS 7 AGGREGATE BASE. UNDER PAVING ODOT TYPE "A" AGGREGATE BASE MUST BE TO THE TOP OF THE TRENCH. ODOT TYPE "A" AGGREGATE BASE TO BE COMPACTED TO 95% STANDARD PROCTOR.

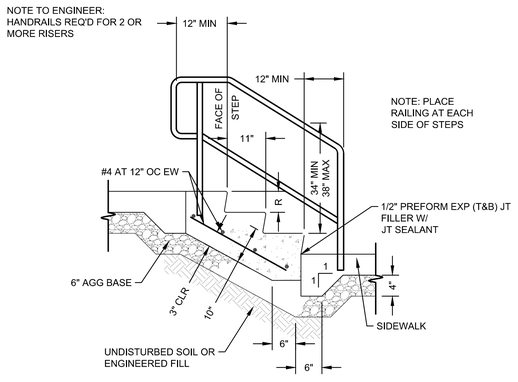
PIPE SIZE, IN.	TRENCH WIDTH, FT.
ID < 24"	OD + 2'
24" > ID < 36"	OD + 2.5'
36" > ID < 60"	OD + 3.5'
ID > 60"	OD + 4'

6 STANDARD PIPE BEDDING DETAIL FOR STORM SEWER
SCALE: NTS



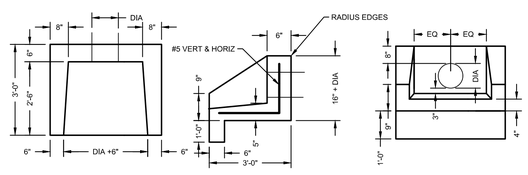
HANDRAIL

7 HANDRAIL DETAIL
SCALE: NTS

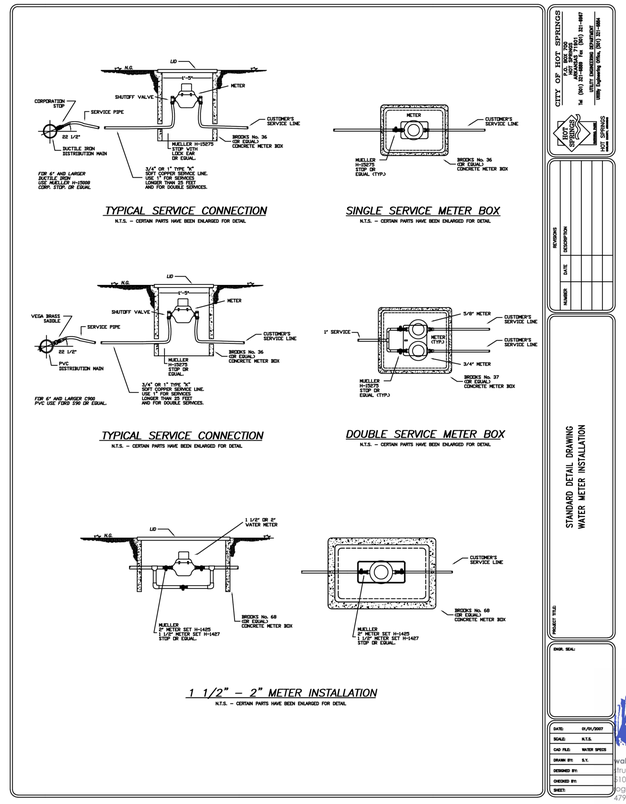


NUMBER OF STEPS AND RISE, "R" VARIES RE: GRADING AND SITE PLANS, "R" BETWEEN 4" AND 7"

8 CONCRETE STEP DETAIL
SCALE: NTS



9 CONCRETE HEADWALL
SCALE: NTS



10 CITY OF HOT SPRINGS, WATER METER DETAIL
SCALE: NTS

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No. 23870
ALAN TAYLOR
8/20/2026

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(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

DETAILS

C801

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arkansas #93
exp: 12.31.27

2026 AUGUST 28

DEMOLITION NOTES

1. CONTRACTOR TO ASCERTAIN LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO EXCAVATION AND BE RESPONSIBLE FOR DAMAGE TO UTILITIES RESULTING FROM DEMOLITION OPERATIONS. REPAIRS SHALL BE MADE AT NO COST TO THE OWNER.
2. ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN ON THE SURVEY. CONTACT THE LOCAL UTILITY LOCATION SERVICES PRIOR TO COMMENCING CONSTRUCTION OPERATIONS.
3. ALL SITE ELEMENTS AND TREES NOT NOTED TO BE REMOVED, ARE TO BE PROTECTED DURING DEMOLITION WORK.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL STRUCTURES, LANDSCAPING, PAVING AND OTHER ITEMS LOCATED WITHIN AND OUTSIDE WORK AREA. ANY DAMAGE TO PERMANENT ITEMS INCURRED BY THE CONTRACTOR THROUGH HIS WORK IN THIS CONTRACT SHALL BE REPAIRED TO ORIGINAL CONDITION BY THE CONTRACTOR AT HIS OWN EXPENSE. THIS INCLUDES BUT IS NOT LIMITED TO TOPDRESSING, OR FILLING WITH TOPSOIL AND RE-SODDING, AREAS DAMAGED BY DRIVING VEHICLES AND CONSTRUCTION EQUIPMENT ON LAWN AREAS.
5. CONTRACTOR TO MARK ALL TREES TO BE REMOVED AND REVIEW WITH THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO COMMENCING TREE REMOVAL OPERATIONS. ALL TREES TO REMAIN SHALL BE PROTECTED.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION PERMITS, PERMIT FEES, LICENSES, LICENSE FEES, DUMP FEES, ETC.
7. ANY CONCRETE AND ASPHALT NOTED FOR REMOVAL SHALL BE SAW CUT FULL DEPTH AND REMOVED OFF SITE.
8. CONTRACTOR SHALL PROTECT ALL SURVEY CONTROL POINTS.
9. ALL REMOVED ITEMS NOT DESIGNATED FOR SALVAGE SHALL BECOME THE PROPERTY OF THE CONTRACTOR FOR PROPER DISPOSAL, UNLESS OTHERWISE NOTED.
10. CONTRACTOR SHALL REMOVAL ALL WASTE MATERIALS OFF-SITE.
11. WITH PRIOR APPROVAL, CONTRACTOR MAY ESTABLISH AN ON-SITE STAGING AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING STAGING AREA TO ITS ORIGINAL CONDITION. SECURITY OF STAGING AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
12. ON-SITE VEGETATION SHALL BE PROTECTED AS NOTED. WHERE THE CONTRACTOR DOES NOT PROTECT VEGETATION IN DESIGNATED PROTECTION AREAS AS NOTED, CONTRACTOR SHALL RESTORE VEGETATION TO EXISTING CONDITION AT NO ADDITIONAL EXPENSE TO THE OWNER, TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.
13. GRIND STUMPS ON REMOVED TREES TO A MINIMUM DEPTH OF 6" BELOW FINISHED GRADE.
14. PROTECT VEGETATION FROM COMPACTION OF SOIL IN THE ROOT ZONE. CONTRACTOR SHALL PROVIDE CONSTRUCTION FENCING TO KEEP ALL CONSTRUCTION ACTIVITIES AND VEHICLE PARKING AWAY FROM AREAS DESIGNATED TO REMAIN UNDISTURBED.
15. CONSTRUCTION FENCING IS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR DETERMINING LOCATION AND QUANTITY OF FENCE AND GATES. PROVIDE EMERGENCY ACCESS.
16. UTILITY OUTAGES WILL NOT BE PERMITTED WITHOUT PRIOR WRITTEN CONSENT FROM OWNER AND/OR ARCHITECT.
17. BY SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES HAVING VISITED THE SITE AND BECOME FAMILIAR WITH THE CONDITIONS RELATED TO THE DEMOLITION OF EXISTING SITE IMPROVEMENTS.

TREE PROTECTION NOTES

1. ALL TREES AND NATURAL AREAS SHOWN ON THIS PLAN TO BE PRESERVED SHALL BE PROTECTED DURING CONSTRUCTION. TEMPORARY FENCING TO BE INSTALLED AS SHOWN.
2. PROTECTIVE FENCES SHALL BE INSTALLED PRIOR TO THE START OF ANY SITE PREPARATION WORK AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
3. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP WITHIN TREE DRIPLINES.
4. PROTECTIVE FENCES SHALL SURROUND THE TREES OR GROUP OF TREES, AND WILL BE LOCATED AT THE DRIPLINE. FOR NATURAL AREAS, PROTECTIVE FENCES SHALL FOLLOW THE LIMIT OF CONSTRUCTION LINE, IN ORDER TO PREVENT THE FOLLOWING:
   A. SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT.
   B. ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN 6") OR TRENCHING NOT REVIEWED BY OWNER'S REPRESENTATIVE.
   C. WOUNDS TO EXPOSED ROOTS, TRUNK OR LIMBS BY MECHANICAL EQUIPMENT.
   D. OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CONCRETE TRUCK CLEANING, AND FIRES.
5. EXCEPTIONS TO INSTALLING FENCES AT TREE DRIPLINES MAY BE PERMITTED IN THE FOLLOWING CASES:
   A. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, TREE WELL, OR OTHER SUCH SITE IMPROVEMENT.
   B. WHERE PERMEABLE PAVING IS TO BE INSTALLED WITHIN A TREE'S DRIPLINE, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA (PRIOR TO SITE GRADING SO THAT THIS AREA IS GRADED SEPARATELY PRIOR TO PAVING INSTALLATION TO MINIMIZE ROOT DAMAGE).
   C. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE TO ALLOW 6 TO 10 FEET OF WORKSPACE BETWEEN THE FENCE AND THE BUILDING.
   D. WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACT SIZE, OR OTHER SPECIAL REQUIREMENTS.
6. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE BEING CLOSER THAN 4 FEET TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF 8 FEET (OR LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING PROVIDED.
7. TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.
8. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOPSOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
9. ANY TRENCHING REQUIRED FOR THE INSTALLATION OF LANDSCAPE IRRIGATION SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE.
10. NO LANDSCAPE TOPSOIL DRESSING GREATER THAN 4 INCHES SHALL BE PERMITTED WITHIN THE DRIPLINE OF TREES. NO SOIL IS PERMITTED ON THE ROOT FLARE OF ANY TREE.
11. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS.
12. ALL FINISHED PRUNING MUST BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY. (REFERENCE THE TREE CARE INDUSTRY ASSOCIATION (TCIA) PRUNING STANDARDS FOR SHADE TREES)

LANDSCAPE GRADING & TOPSOIL

1. TOPSOIL: REUSE FROM STOCKPILE AND PROVIDE NEW TOPSOIL AS NEEDED.
2. IMPORTED TOPSOIL: FRIABLE LOAM, TYPICAL OF CULTIVATED TOPSOILS LOCALLY; FREE OF SUBSOIL, ROOTS, GRASS, EXCESSIVE AMOUNT OF WEEDS, STONE, AND FOREIGN MATTER; ACIDITY RANGE (PH) OF 6.0 TO 7.0; CONTAINING A MINIMUM OF 2 PERCENT AND A MAXIMUM OF 5 PERCENT ORGANIC MATTER. TOPSOIL SHALL NOT BE DELIVERED OR USED FOR PLANTING WHILE IN A FROZEN OR MUDDY CONDITION. TOPSOIL SHALL CONFORM TO THE FOLLOWING GRAIN SIZE DISTRIBUTION FOR MATERIAL PASSING THE #10 SIEVE:

	PERCENT PASSING	
U.S.SIEVE SIZE NUMBER	MINIMUM	MAXIMUM
10	100	--
18	85	100
35	70	95
60	50	85
140	36	63
270	32	
52		
0.002MM	3	8

3. SUBMIT SOURCE AND ANALYSIS OF TOPSOIL FOR BACKFILL. TEST TO BE PERFORMED BY ACCREDITED SOILS LABORATORY. SUBMITS SOILS TEST AND RECOMMENDATIONS FOR AMENDMENTS INCLUDING ADJUSTING SOIL pH TO A VALUE BETWEEN 6.0 AND 7.0.
4. ELIMINATE UNEVEN AREAS AND LOW SPOTS. REMOVE DEBRIS, ROOTS, BRANCHES, STONES, IN EXCESS OF 1 INCH IN SIZE. REMOVE SUB-GRADE CONTAMINATED WITH PETROLEUM PRODUCTS.
5. SCARIFY SUB-GRADE TO DEPTH OF 6 INCHES WHERE TOPSOIL IS SCHEDULED. REMOVE DEBRIS THAT IS BROUGHT TO THE SURFACE IN EXCESS OF 1 INCH IN SIZE.
6. REVIEW SUB-GRADE SCARIFICATION WITH OWNER'S REPRESENTATIVE PRIOR TO COMMENCING PLACEMENT OF TOPSOIL.
7. USE TOPSOIL IN RELATIVELY DRY STATE. PLACE DURING DRY WEATHER.
8. FINE GRADE TOPSOIL OR PLANTING MIX ELIMINATING ROUGH OR LOW AREAS. MAINTAIN LEVELS, PROFILES, AND CONTOURS OF SUB-GRADE.
9. REMOVE STONE, ROOTS, GRASS, WEEDS, DEBRIS, AND FOREIGN MATERIAL WHILE SPREADING.
10. MANUALLY SPREAD TOPSOIL OR PLANTING MIX AROUND TREES, PLANTS, AND STRUCTURES, TO PREVENT DAMAGE.
11. LIGHTLY COMPACT PLACED TOPSOIL.
12. REMOVE SURPLUS SUBSOIL AND TOPSOIL FROM SITE.
13. LEAVE STOCKPILE AREA AND SITE CLEAN AND RAKED, READY TO RECEIVE LANDSCAPING.
14. TOP OF TOPSOIL OR PLANTING MIX TOLERANCES: PLUS OR MINUS 1/2 INCH.
15. REQUIRED TOPSOIL DEPTH FOR LANDSCAPE AREAS:
    A. LAWN AREAS: 6 INCHES MINIMUM TOPSOIL.
    B. PLANTING BEDS (SHRUBS, GROUNDCOVER, ETC.): 12 INCHES MINIMUM TOPSOIL.

SODDING

1. SOD: CULTIVATED GRASS SOD; WITH STRONG FIBROUS ROOT SYSTEM, FREE OF STONES, BURNED OR BARE SPOTS, AND WEEDS.
2. VERIFY THAT PREPARED SOIL BASE IS READY TO RECEIVE THE WORK OF THIS SECTION.
3. SUBMIT GRASS SPECIES AND LOCATION OF SOD SOURCE FOR APPROVAL.
4. DELIVER SOD ON PALLETS. PROTECT EXPOSED ROOTS FROM DEHYDRATION.
5. DO NOT DELIVER MORE SOD THAN CAN BE LAID WITHIN 24 HOURS.
6. COORDINATE THE WORK OF THIS SECTION WITH INSTALLATION OF UNDERGROUND SPRINKLER SYSTEM AND PLANT MATERIAL AS APPLICABLE.
7. MAINTAIN SODDED AREAS IMMEDIATELY AFTER PLACEMENT UNTIL GRASS IS WELL ESTABLISHED, HAS ACHIEVED COMPLETE COVERAGE, AND EXHIBITS A VIGOROUS GROWING CONDITION OR UNTIL DATE OF SUBSTANTIAL COMPLETION WHICHEVER IS LONGER. MAINTENANCE PERIOD SHALL INCLUDE MINIMUM OF TWO MOWINGS.
8. FINISH GRADE AREAS TO BE SODDED SO THAT THE SURFACE IS SMOOTH AND IS APPROXIMATELY 1 INCH BELOW ADJOINING SIDEWALKS AND OTHER PAVED SURFACES.
9. REMOVE ALL WEEDS AND GRASSES FROM AREAS TO BE SODDED.
10. PLANTING SURFACE SHALL BE MADE FRIABLE BY APPROVED METHOD OF SCARIFICATION. PREPARED SURFACE SHALL BE FLOATED SMOOTH AND FREE OF BUMPS AND DEPRESSIONS. REMOVE STONES AND FOREIGN MATTER OVER 2 INCHES IN DIAMETER FROM TOP 2 INCHES OF SOD BED. PLANT IMMEDIATELY THEREAFTER, PROVIDED THE BED HAS REMAINED IN A FRIABLE CONDITION AND HAS NOT BECOME MUDDY OR HARD. IF IT HAS BECOME HARD, TILL TO A FRIABLE CONDITION AGAIN.
11. APPLY FERTILIZER NO MORE THAN 48 HOURS BEFORE LAYING SOD.
12. LIGHTLY WATER TO AID THE DISSIPATION OF FERTILIZER.
13. PRIOR TO LAYING SOD, INCORPORATE SOIL AMENDMENTS SUCH AS LIME AND SULPHUR AT RATES RECOMMENDED BY SOILS TESTS TO A 4 INCH DEPTH.
14. MOISTEN PREPARED SURFACE IMMEDIATELY PRIOR TO LAYING SOD.
15. LAY SOD IMMEDIATELY ON DELIVERY TO SITE WITHIN 24 HOURS AFTER HARVESTING TO PREVENT DETERIORATION.
16. LAY SOD TIGHT WITH NO OPEN JOINTS VISIBLE AND NO OVERLAPPING; STAGGER END JOINTS 12 INCHES MINIMUM. DO NOT STRETCH OR OVERLAP SOD PIECES.
17. FINISHED SODDING TO BE SMOOTH AND FREE OF BUMPS AND DEPRESSION. SURFACE TO BE FLUSH WITH ADJOINING GRASS AREAS IF ANY. PLACE TOP ELEVATION OF SOD APPROXIMATELY 1/2 INCH BELOW ADJOINING EDGING, PAVING AND CURBS. GRADE PLANTING SURFACE AS NECESSARY TO ACCOMPLISH ABOVE.
18. ON SLOPES 4 INCHES PER FOOT AND STEEPER, LAY SOD PERPENDICULAR TO SLOPE AND SECURE EVERY ROW WITH WOODEN PEGS AT MAXIMUM 2 FEET ON CENTER. DRIVE PEGS FLUSH WITH SOIL PORTION OF SOD.
19. WATER SODDED AREAS DEEPLY IMMEDIATELY AFTER INSTALLATION.
20. AFTER SOD AND SOIL HAVE DRIED SUFFICIENTLY, ROLL SODDED AREAS TO INSURE GOOD BOND BETWEEN SOD AND SOIL AND TO REMOVE MINOR DEPRESSIONS AND IRREGULARITIES.
21. SODDED AREAS TO BE VIGOROUSLY GROWING AT TIME OF FINAL ACCEPTANCE OR IF INSTALLATION OCCURS DURING DORMANCY WARRANTY TO EXTEND THROUGH FIRST MONTH OF FOLLOWING GROWING SEASON. AT CONCLUSION OF INITIAL WARRANTY PERIOD REPLACE DEAD OR UNHEALTHY SOD.
22. MOW GRASS AT REGULAR INTERVALS TO MAINTAIN AT A MAXIMUM HEIGHT OF 2-1/2". DO NOT CUT MORE THAN 1/3 OF GRASS BLADE AT ANY ONE MOWING.
23. NEATLY TRIM EDGES AND HAND CLIP WHERE NECESSARY.
24. IMMEDIATELY REMOVE CLIPPINGS AFTER MOWING AND TRIMMING.
25. WATER SUFFICIENTLY TO INSURE ESTABLISHMENT AND MAINTAIN VIGOROUS APPEARANCE.
26. ROLL AND/OR TOPDRESS SURFACE AS NEEDED TO REMOVE MINOR DEPRESSIONS OR IRREGULARITIES.
27. CONTROL GROWTH OF WEEDS. APPLY HERBICIDES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REMEDY DAMAGE RESULTING FROM IMPROPER USE OF HERBICIDES.
28. IMMEDIATELY REPLACE SOD IN AREAS WHICH SHOW DETERIORATION OR BARE SPOTS. ANY AREAS THAT HAVE HAD TOPSOIL WASHED AWAY SHALL BE FILLED TO MATCH SPECIFIED GRADE WITH TOPSOIL BEFORE RESODDING.
29. PROTECT SODDED AREAS WITH WARNING SIGNS DURING MAINTENANCE PERIOD.
30. APPLY APPROVED FERTILIZER AT RATE TO PROVIDE 1-1/2 POUNDS OF ACTUAL NITROGEN PER 1000 SQUARE FEET EVERY 25 DAYS DURING GROWING SEASON.
31. FOR THE PURPOSE OF ESTABLISHING AN ACCEPTABLE STANDARD, NO BARE AREAS WILL BE PERMITTED.

PLANTING

1. WORK REQUIRED IN THIS SECTION TO BE PERFORMED BY EXPERIENCED PERSONNEL UNDER DIRECTION OF A SKILLED FOREMAN.
2. CONTRACTOR SHALL LOCATE ALL MATERIALS AND BE RESPONSIBLE FOR CONFORMANCE WITH REQUIREMENTS OF THIS SECTION. ALL PLANTS NOT MEETING REQUIREMENTS SHALL BE REJECTED.
3. PLANT MATERIAL SUBMITTAL AND QUALITY ASSURANCE:
   A. ALL PLANT MATERIAL TO BE REVIEWED BY THE LANDSCAPE ARCHITECT AND OR THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO DELIVERY/INSTALLATION.
   B. AT THE DISCRETION OF THE LANDSCAPE ARCHITECT AND/OR OWNER'S REPRESENTATIVE, TREES TO BE REVIEWED AT LOCAL GROWING OR NURSERY. CONTRACTOR SHALL SCHEDULE REVIEW OF PLANT MATERIAL IN SUCH A MANNER THAT NO SINGLE REVIEW PERIOD WILL EXCEED ONE WORKING DAY WITH A MAXIMUM OF TWO REVIEW PERIODS. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION AND COORDINATION WITH ALL PARTIES PRIOR TO SCHEDULING.
   C. CONTRACTOR SHALL SUBMIT IMAGES OF ACTUAL NURSERY STOCK PLANT MATERIAL INTENDED FOR USE ON PROJECT FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT NO LESS THAN (2) TWO WEEKS BEFORE COMMENCING WORK.
4. ALL PLANT MATERIAL SHALL BE TRUE TO NAME, IN GOOD HEALTH, FREE OF DISEASE AND INSECTS, EXCELLENT IN FORM AND IN CONFORMANCE WITH ANSI Z60. SPECIES AND SIZE IDENTIFIED ON PLANT LIST. ALL PLANTER MATERIALS TO BE NURSERY GROWN.
5. B&B PLANTS TO BE MOVED WITH SOLID BALLS WRAPPED IN BURLAP. PLANTS TO BE LIFTED ONLY BY BALL OR CONTAINER
6. DELIVER PLANT MATERIALS IMMEDIATELY PRIOR TO PLACEMENT. KEEP PLANT MATERIALS NOT IMMEDIATELY INSTALLED MOIST AND PROTECT FROM FREEZING BY COVERING BALL OR CONTAINER WITH MULCH. ANY PLANTS NOT PLANTED WITHIN 2 DAYS OF DELIVERY ARE TO BE HEELED-IN IN A VERTICAL POSITION, ROOT BALLS FULLY ENCOMPASSED BY MULCH AND A TEMPORARY WATERING SYSTEM INSTALLED.
7. WARRANT ALL PLANTS TO BE LIVING, HEALTHY SPECIMENS FOR A PERIOD OF ONE YEAR COMMENCING UPON DATE OF SUBSTANTIAL COMPLETION. WARRANTY PERIOD SHALL TERMINATE ONLY IF PLANTS HAVE BEEN IN FULL LEAF FOR 30 DAYS AT END OF WARRANTY PERIOD. TERMINATION OF WARRANTY PERIOD SHALL BE EXTENDED AS NECESSARY TO COMPLY. ALL MATERIALS TO BE IN VIGOROUS CONDITION AT END OF WARRANTY PERIOD.
8. IMMEDIATELY REMOVE DEAD PLANTS AND PLANTS NOT IN A VIGOROUS CONDITION AND REPLACE AS SOON AS WEATHER CONDITIONS PERMIT, EACH REPLACEMENT SHALL BE COVERED WITH ONE YEAR WARRANTY COMMENCING AT TIME OF PLANTING. REPLACEMENTS TO MATCH ADJACENT PLANTS OF THE SAME SPECIES IN SIZE AND FORM.
9. CONTRACTOR TO BEGIN MAINTENANCE OF PLANT MATERIAL IMMEDIATELY AFTER PLANTING AND CONTINUE UNTIL DATE OF SUBSTANTIAL COMPLETION.
10. MAINTENANCE SHALL INCLUDE MEASURES NECESSARY TO ESTABLISH AND MAINTAIN PLANTS IN A VIGOROUS AND HEALTHY GROWING CONDITION. INCLUDE THE FOLLOWING:
    A. CULTIVATION AND WEEDING OF PLANT BEDS AND TREE PITS. WHEN HERBICIDES ARE USED FOR WEED CONTROL, APPLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REMEDY DAMAGE RESULTING FROM USE OF HERBICIDES.
    B. WATERING SUFFICIENT TO MAINTAIN OPTIMUM MOISTURE LEVEL.
    C. PRUNING, INCLUDING REMOVAL OF DEAD OR BROKEN BRANCHES, AND TREATMENT OF PRUNE WOUNDS.
    D. DISEASE AND INSECT CONTROL.
    E. MAINTAINING PLANTS IN AN UPRIGHT, PLUMB POSITION, AND REPAIR OF SETTLING.
    F. MAINTENANCE OF WRAPPINGS, GUYS, TURNBUCKLES AND STAKES. ADJUST TURNBUCKLES OR OTHERWISE KEEP
    G. GUY WIRES TIGHT. REPAIR OR REPLACE ACCESSORIES WHEN REQUIRED.
11. MULCH: DOUBLE GROUND HARDWOOD BARK MULCH EQUAL TO THAT PRODUCED BY FOSTER BROTHERS, WOOD PRODUCTS INC. www.fosterbros.com. SUBMIT TYPE AND SOURCE FOR APPROVAL BY OWNER'S REPRESENTATIVE.
12. FERTILIZER: OSMOCOTE SLOW RELEASE 18-6-12
13. SOIL ACIDIFIER: EQUAL TO TIGER 90 CR ORGANIC SULPHUR 0-0-0-90
14. COMPOST: BACK TO EARTH COMPOSTED COTTON BURRS AS SUPPLIED BY SOIL MENDER PRODUCTS, LP www.soilmender.com
15. METAL EDGING: 3/16 INCH x 4 INCH STEEL LANDSCAPE EDGING WITH STEEL STAKES AS MANUFACTURED BY COL-MET, 3333 MILLER PARK SOUTH, GARLAND, TEXAS 75042, PHONE 972/494-3900, WWW.COLMET.COM. EDGING TO BE SET VERTICAL WITH TOP EDGE 1 INCH ABOVE FINISHED GRADE.
16. WRAPPING MATERIALS: HEAVY PAPER MANUFACTURED FOR TREE WRAPPING PURPOSE.
17. GREEN METAL FENCE POSTS (3 PER TREE) - 8 FOOT HEIGHT.
18. HARDWARE (CABLES, WIRE, EYE BOLTS, AND TURNBUCKLES): NONCORROSIVE; OF SUFFICIENT STRENGTH TO WITHSTAND WIND PRESSURE.
19. TIE STRAPS: SOFT POLYPROPYLENE MATERIAL EQUAL TO ARBORTIE, BY DEEP ROOT PARTNERS, L.P., 31 LANGSTON ST., SUITE 4, SAN FRANCISCO, CA, 94103, 1-800-277-7668.
20. REMOVE ALL WEEDS AND GRASSES FROM PLANTING BEDS. BERMUDA GRASS, IF PRESENT, TO BE EXTERMINATED BY APPROVED MEANS OR ALL SOIL REMOVED TO 6 INCH DEPTH AND REPLACED WITH TOPSOIL FREE OF BERMUDA GRASS.
21. STAKE TREE LOCATIONS AND PLACE SHRUBS, VINES, AND GROUND COVERS FOR REVIEW AND FINAL ORIENTATION BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
22. OUTLINE BED EDGES FOR APPROVAL BY OWNER'S REPRESENTATIVE.
23. EXCAVATE FOR PLANT MATERIALS. TREE PITS SHALL BE 8' IN DIAMETER. CIRCLE TO BE CENTERED ON TREE AND TRUE IN FORM. SLOPE CUT EDGE TO 6" DEPTH AND BOTTOM OF PIT TO DEPTH REQUIRED TO ACCOMMODATE TREE ROOTBALL. SHRUB PITS SHALL BE 12 INCHES GREATER IN DIAMETER THAN ROOT BALL. TOPSOIL FROM EXCAVATION MAY BE RETAINED FOR BACKFILL IF IT IS FRIABLE AND FREE OF ROCK AND CLODS GREATER THAN 2" IN DIA. REMOVE ALL SUBSOIL, ROCK, AND DEBRIS FROM SITE.
24. SET TREES WITH TOP OF ROOT BALL 3 INCHES ABOVE SURROUNDING GRADE, AND OTHER PLANT MATERIALS 1 INCHES ABOVE SURROUNDING GRADE, AFTER SETTLEMENT.
25. REMOVE CONTAINERS FROM CONTAINER-GROWN STOCK. SET PLANTS IN CENTER OF PITS AND BACKFILL WITH TOPSOIL IN 6 INCH LAYERS. PULL AWAY ROPES, WIRES, ETC. FROM THE TOP OF THE BALL.
26. REMOVE ANY SOIL FROM THE TOP OF THE ROOTBALL, TO THE LEVEL OF THE ROOT FLARE.
27. THOROUGHLY WATER SOIL WHEN THE HOLE IS HALF FULL, AND AGAIN WHEN FULL.
28. APPLY 1/2 POUND FERTILIZER EVENLY OVER CULTIVATED AREA AROUND EACH TREE AND 1 POUND PER 100 SQUARE FEET TO SHRUB AND GROUND COVER PLANTINGS.
29. AFTER PLANTING TREES, FORM A 3' DIAMETER RIDGE OF TOPSOIL AROUND EDGE OF EXCAVATION TO RETAIN WATER.

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REGISTRATION

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06.28.2026

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

date 2026 AUGUST 28

director review

LANDSCAPE SPECIFICATIONS

L001

PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	SIZE	HT	SPACING
DECIDUOUS SHRUBS					
	14	SALVIA MICROPHYLLA X GREGGII 'EGGBEN005' HEATWAVE™ BLAZE SAGE	#3 C		2'-6" O.C.
EVERGREEN SHRUBS					
	12	JUNIPERUS X 'GREY OWL' GREY OWL JUNIPER	#5 C	3' H	4'-0" O.C.
ORNAMENTAL GRASSES					
	12	PANICUM VIRGATUM 'HEAVY METAL' HEAVY METAL SWITCH GRASS	#2 C		3'-6" O.C.
SOD					
		CYNODON DACTYLON 'TIFTUF' TIFTUF BERMUDAGRASS	SOLID		



1 LANDSCAPE PLANTING PLAN
1" = 20'-0"

0' 10' 20' 40' N

LEGEND

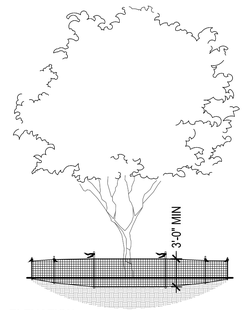
SOLID SOD
BERMUDA GRASS

3/16" STEEL EDGING

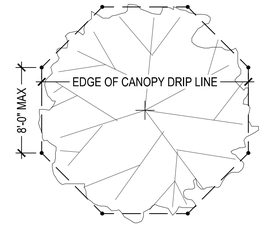
TREE PROTECTION FENCING

PLANTING NOTES

1. CONTRACTOR TO ASCERTAIN LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO EXCAVATION AND BE RESPONSIBLE FOR DAMAGE RESULTING FROM PLANTING OPERATIONS. REPAIRS SHALL BE MADE AT NO COST TO THE OWNER.
2. ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN ON THE SURVEY. CONTACT THE LOCAL UTILITY LOCATION SERVICES PRIOR TO COMMENCING CONSTRUCTION OPERATIONS.
3. ALL AREAS NOTED AS "LAWN" ON PLAN, AND ALL OTHER AREAS ON SITE WHICH ARE NOT OTHERWISE DESIGNATED AND ARE DAMAGED BY CONSTRUCTION, ARE TO BE PLANTED WITH SOLID SOD BERMUDA GRASS.
4. ALL PLANTING BEDS THAT ABUT LAWN AREAS TO BE BORDERED BY STEEL EDGING.
5. FINISH GRADE FOR SHRUB, GROUND COVER, AND LAWN AREAS SHALL BE HELD 1" BELOW TOP OF ADJACENT PAVEMENT AND CURBS UNLESS OTHERWISE NOTED ON DRAWINGS.
6. FIELD STAKE LOCATIONS OF PROPOSED TREES FOR REVIEW AND APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO DELIVERY OF TREES.
7. FOR ADDITIONAL PLANTING REQUIREMENTS REFER TO SPECIFICATIONS.
8. BY SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES HAVING VISITED THE SITE AND BECOME FAMILIAR WITH THE CONDITIONS RELATED TO THE INSTALLATION OF SITE IMPROVEMENTS.



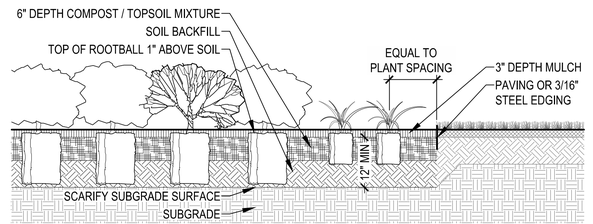
ELEVATION



PLAN

NOTES
1. REFER TO LANDSCAPE PLANS FOR LOCATIONS AND EDGE CONDITIONS.
2. TREE PROTECTION FENCING TO REMAIN IN PLACE DURING ALL CONSTRUCTION OPERATIONS AND BUT MODIFIED IN THE FIELD AS LITTLE AS POSSIBLE FOR WORK WITHIN AREA.
3. CONTRACTOR TO NOTIFY OWNER WHEN FENCE IS DOWN OR WORK IS TO BE DONE WITHIN AREA.
4. TREE PROTECTION FENCING TO BE HIGH VISIBILITY MATERIAL SUCH AS ORANGE SAFETY FENCING OR RIGID MATERIAL SUCH AS CHAINLINK OR WIRE MESH FENCING.
5. SAFETY FLAGGING TO BE INSTALLED AT THE TOP OF EACH FENCE POST.
6. FENCE TO BE 3'-0" MINIMUM HEIGHT WITH POSTS SPACED NO MORE THAN 8'-0" O.C.

01 TYPICAL TREE PROTECTION FENCING
NTS



NOTES
1. REFER TO LANDSCAPE PLANS FOR LOCATIONS AND EDGE CONDITIONS.
2. EXCAVATED SOIL MAY BE USED FOR BACKFILL IF IT IS FRIABLE AND FREE OF ROCKS AND CLODS OVER 2" DIAMETER. PROVIDE ADDITIONAL TOPSOIL IF NEEDED FOR TOPSOIL/COMPOST MIX AT SURFACE.
3. COMPOST TO BE EQUAL TO BACK TO EARTH COMPOSTED COTTON BURS AND BE INCORPORATED INTO UPPER 6" OF BACKFILL BY APPROVED MEANS FOR ALL SHRUB PLANTING AREAS.
4. TOPSOIL / BACKFILL SOIL DEPTH IN PLANTING AREAS TO BE 12" MINIMUM UNLESS OTHERWISE NOTED.

02 TYPICAL SHRUB PLANTING
NTS

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06.28.2026

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

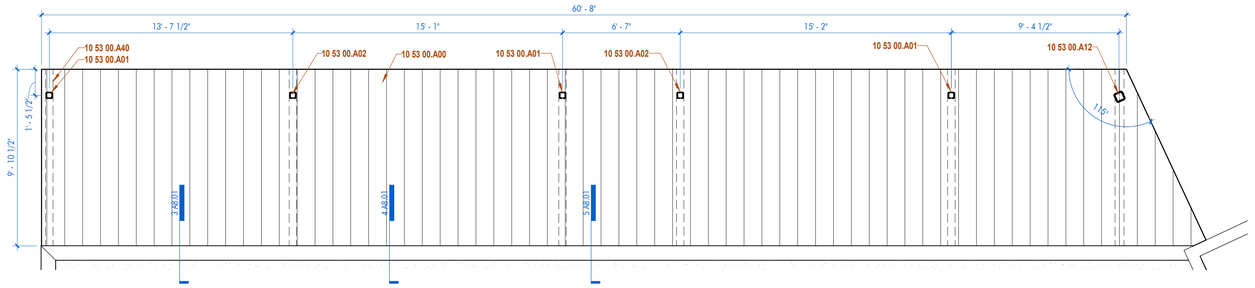
project # AR26-0001

date 2026 AUGUST 28

director review

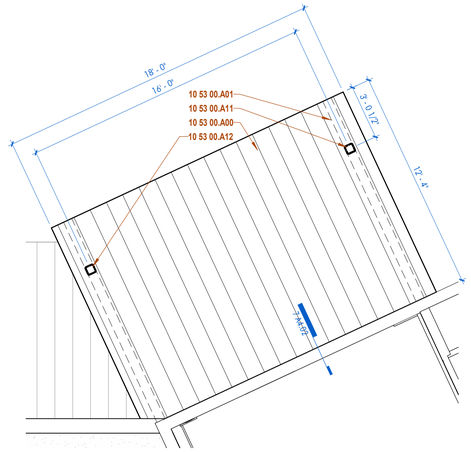
LANDSCAPE PLANTING PLAN

L101



3 | CANOPY PLAN

1/4" = 1'-0" DRAWN BY: BS

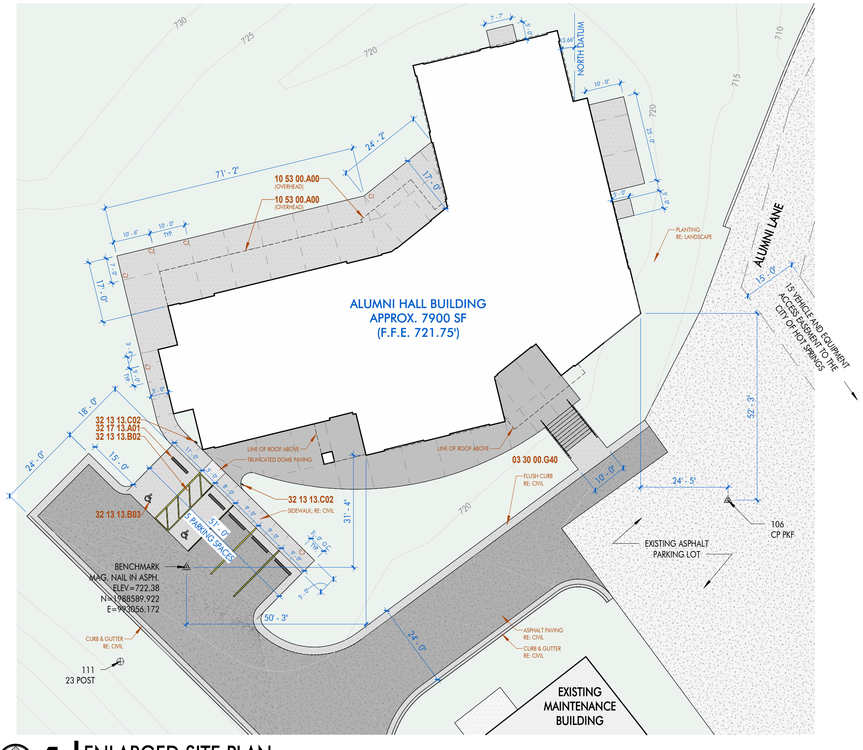


4 | CANOPY PLAN

1/4" = 1'-0" DRAWN BY: BS

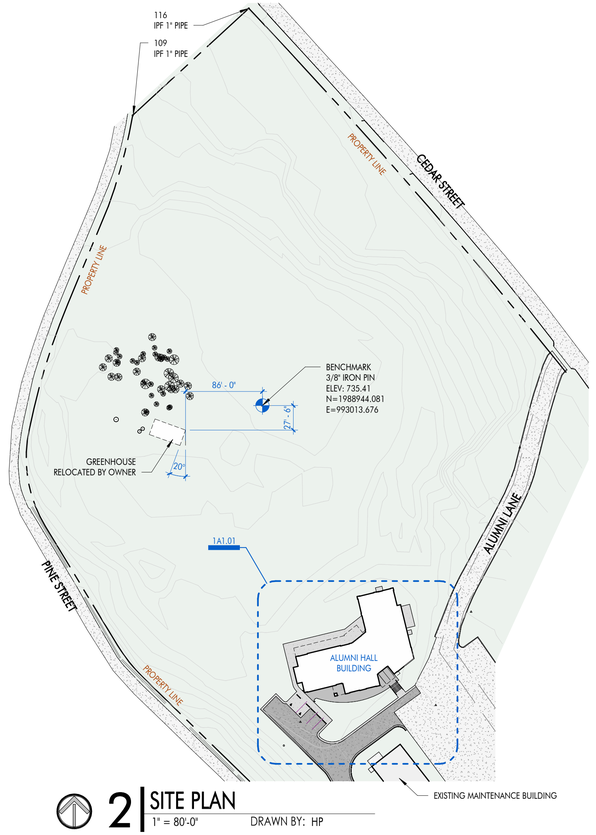
SHEET KEYNOTE LIST

03 30 00.G40	CAST-IN-PLACE CONCRETE STAIRS
10 53 00.A00	PREFABRICATED METAL CANOPY SYSTEM WITH INTERNAL DRAINAGE
10 53 00.A01	4" X 4" PREFINISHED ALUMINUM POST WITH INTERNAL DRAINAGE
10 53 00.A02	4"X 4" PREFINISHED ALUMINUM POST WITHOUT INTERNAL DRAINAGE
10 53 00.A11	6" X 6" PREFINISHED ALUMINUM POST WITH INTERNAL DRAINAGE
10 53 00.A12	6" X 6" PREFINISHED ALUMINUM POST WITHOUT INTERNAL DRAINAGE
10 53 00.A40	PREFINISHED ALUMINUM BENT / BEAM (SIZED AS REQUIRED BY MANUFACTURER)
32 13 13.B02	4" WIDE PAINTED PARKING STRIPES @ 18" O.C. ON 45 DEGREE ANGLE
32 13 13.B03	PAINTED HANDICAP SIGNAGE
32 13 13.C02	5' HIGH POLE-MOUNTED METAL HANDICAP SIGN
32 17 13.A01	PRECAST CONCRETE WHEEL STOP



1 | ENLARGED SITE PLAN

1" = 20'-0" DRAWN BY: HP



2 | SITE PLAN

1" = 80'-0" DRAWN BY: HP

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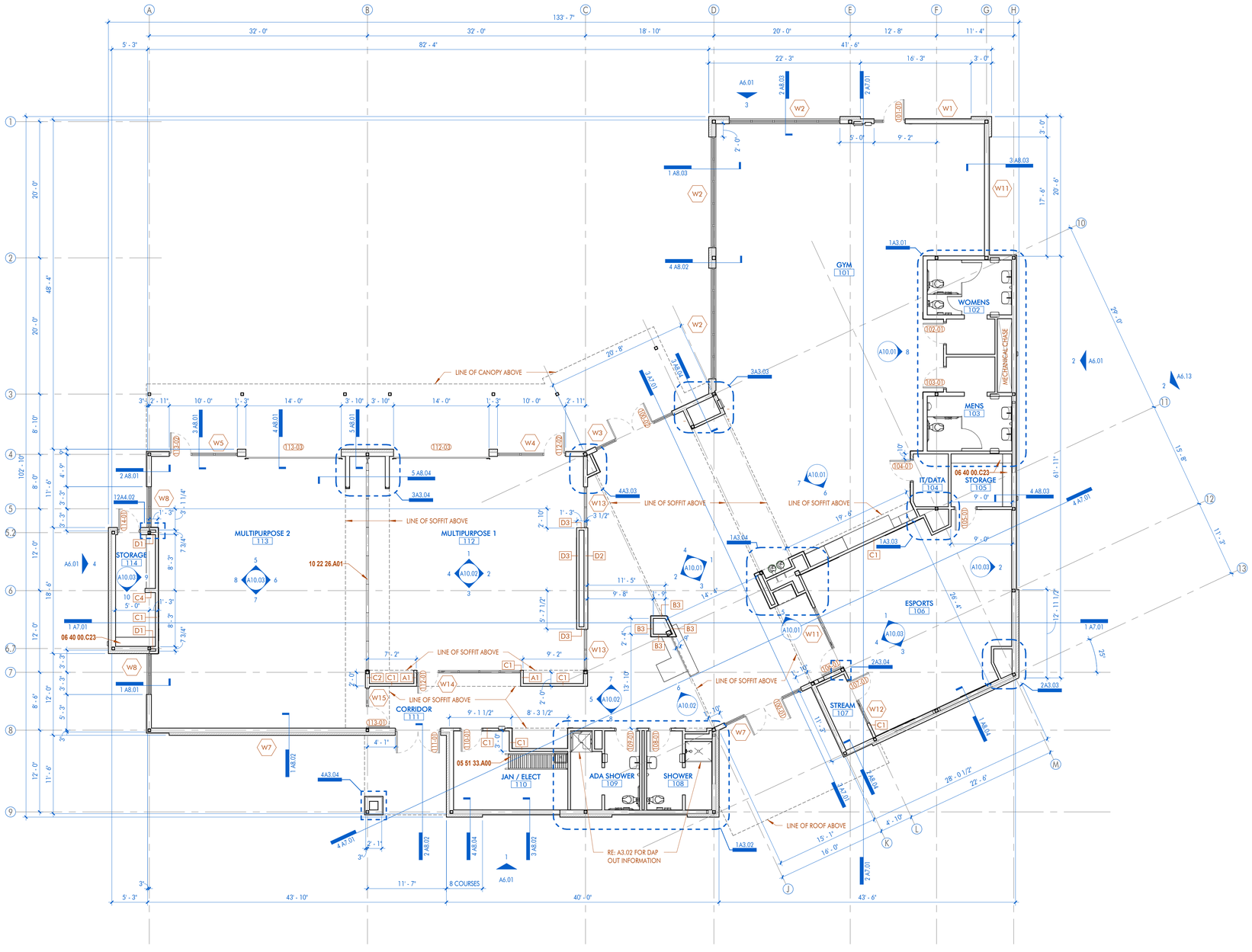
date 2026 AUGUST 28

director review

SITE PLAN

A1.01

2026 AUGUST 28



1 FLOOR PLAN

1/8" = 1'-0" DRAWN BY: HP / JG

GENERAL NOTES:

1. REFER TO SPECIFICATIONS FOR STUD GAUGE AND BRIDGING REQUIREMENTS.
2. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CMU, OR FACE OF BRICK, UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL PROVIDE ALL METAL STUD BLOCKING / BRACING FOR ALL WALL HUNG OR WALL MOUNTED ARCHITECTURAL ITEMS INSTALLED ON STUD WALLS, INCLUDING BUT NOT LIMITED TO: MILLWORK, COUNTERTOPS, TOILET ACCESSORIES, GRAB BARS, MARKER BOARDS, TACK BOARDS, CLOCKS, SPEAKERS, ETC...
4. ALL ITEMS ARE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED, UNLESS NOTED OTHERWISE.
5. ALL DRYWALL CONTROL JOINT PLACEMENT SHALL CONFORM WITH ASTM C840, UNLESS NOTED OTHERWISE. INSTALL CONTROL JOINTS AS SHOWN.
   - A. IF NOT SHOWN, CONTROL JOINTS TO BE INSTALLED PER THE FOLLOWING:
     - a. ALL CONTROL JOINTS SHALL BE INSTALLED WHERE SPECIFIED BY THE ARCHITECT OR DESIGNER AS A DESIGN ACCENT OR ARCHITECTURAL FEATURE.
     - b. A CONTROL JOINT SHALL BE INSTALLED WHERE A PARTITION, WALL, OR CEILING TRAVERSES A CONSTRUCTION JOINT.
     - c. CONTROL JOINT SHALL BE INSTALLED WHERE A WALL OR PARTITION RUNS IN AN UNINTERRUPTED STRAIGHT PLANE EXCEEDING 30 LINEAR FEET.
     - d. CONTROL JOINTS IN INTERIOR CEILINGS WITH A PERIMETER RELIEF SHALL BE INSTALLED SO THAT LINEAR DIMENSIONS BETWEEN CONTROL JOINTS DO NOT EXCEED 50'-0" AND TOTAL BETWEEN CONTROL JOINTS DOES NOT EXCEED 2500 SQ FT.
     - e. CONTROL JOINTS IN INTERIOR CEILINGS WITHOUT PERIMETER RELIEF AND EXTERIOR CEILINGS AND SOFFITS SHALL BE INSTALLED SO THAT LINEAR DIMENSIONS BETWEEN CONTROL JOINTS DO EXCEED 30'-0" AND TOTAL AREA BETWEEN CONTROL JOINTS DOES NOT EXCEED 900 SQ FT.
     - f. A CONTROL JOINT OR INTERMEDIATE BLOCKING SHALL BE INSTALLED WHERE CEILING FRAMING MEMBERS CHANGE DIRECTION.
     - g. WHERE A CONTROL JOINT OCCURS IN AN ACOUSTICAL OR FIRE-RATED SYSTEM, BLOCKING SHALL BE PROVIDED BEHIND THE CONTROL JOINT BY USING A BACKING MATERIAL SUCH AS 5/8" TYPE X GYPSUM BOARD, MINERAL FIBER, OR OTHER TESTED EQUIVALENT.
     - h. WHERE CONTROL JOINTS ARE INSTALLED IN NON-RATED ASSEMBLIES AND ARE PARALLEL TO THE FRAMING MEMBERS, A FRAMING MEMBER IS REQUIRED ON EACH SIDE OF THE OPENING. THIS REQUIREMENT IS FOR ATTACHMENT OF GYPSUM BOARD.
   - B. CONTRACTOR SHALL INCLUDE IN BID FOR CONTROL JOINTS AS OUTLINED ABOVE, AND FOR A CONTROL JOINT TO BE INSTALLED AT BOTH JAMBS OF OPENINGS, WINDOWS, AND DOORS (ONE AT EACH JAMB FULL HEIGHT / TOP AND BOTTOM OF OPENING) & WITHIN 30 FEET OF CORNER OR PREVIOUS CONTROL JOINT.
6. AT ALL CERAMIC / PORCELAIN WALL TILE LOCATIONS, CONTRACTOR SHALL USE CEMENT BACKER BOARD, MINIMUM 5/8-INCH THICK, UNLESS OTHERWISE NOTED.
7. AT ALL WALLS (FULL HEIGHT) WITHIN TOILET ROOMS, SHOWERS, RESTROOMS AND/OR SIMILAR USE ROOMS NOT TILED, SHALL RECEIVE MINIMUM 5/8-INCH MOISTURE RESISTANCE GYPSUM.
8. AT ALL PLUMBING FIXTURES NOT WITHIN A ROOM DESCRIBED ABOVE, USE MINIMUM 5/8-INCH MOISTURE RESISTANCE GYPSUM FOR A DISTANCE OF 96-INCHES FROM THE CENTERLINE OF THE FIXTURE IN ALL DIRECTIONS.

FLOOR PLAN LEGEND

- 808.1 — DOOR DESIGNATION TAG
- ACT-1 — FINISH / MATERIAL DESIGNATION TAG
- W1 — WINDOW DESIGNATION TAG
- A1 — WALL DESIGNATION TAG
- 88 — REVISION DESIGNATION TAG
- 0' - 0" ELEVATION — ELEVATION DATUM HEIGHT DESIGNATION
- ROOM NAME 812 — ROOM DESIGNATION TAG
- 88A12.18 SIM — DETAIL DESIGNATION TAG
- A10.11 SIM — INTERIOR ELEVATION DESIGNATION TAG
- A6.01 — EXTERIOR ELEVATION DESIGNATION TAG
- 18 A10.12 SIM — BUILDING / WALL / DETAIL SECTION DESIGNATION TAG

SHEET KEYNOTE LIST

05 51 33.A00	INCLINED METAL SHIP LADDER TO ROOF
06 40 00.C23	3/4" PLYWOOD SHELF WITH EDGE BANDS
10 22 26.A01	OPERABLE ACOUSTICAL PANEL SYSTEM

ARCHITECT

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REGISTRATION

REGISTERED ARCHITECT — MICHAEL K. BUTTRICK — 14001024 — STATE OF ARKANSAS

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

date 2026 AUGUST 28

director review

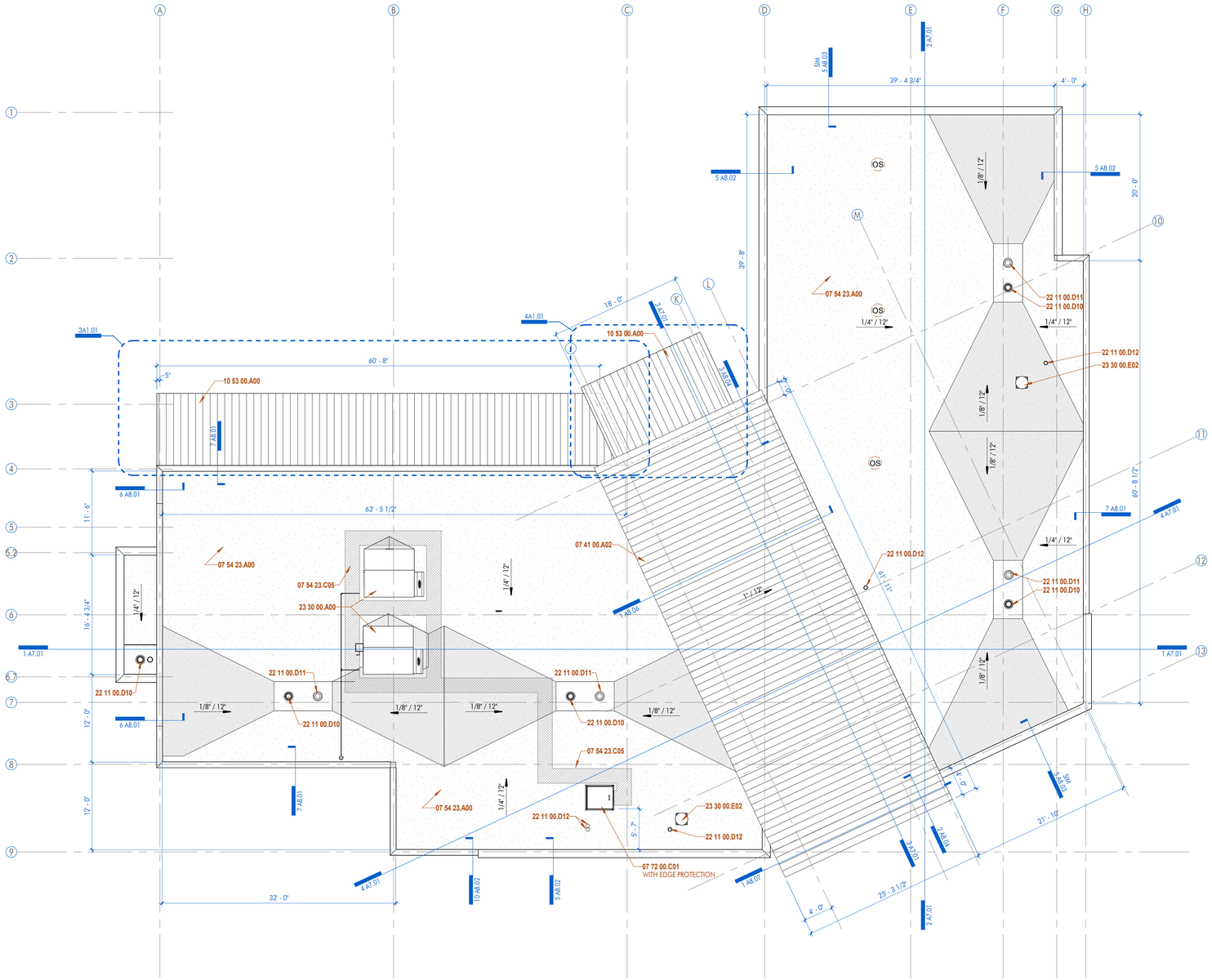
FLOOR PLAN

A2.01

2026 AUGUST 28

SHEET KEYNOTE LIST

07 41 00.A02	PREFINISHED STANDING SEAM METAL ROOF
07 54 23.A00	REINFORCED TPO ROOF MEMBRANE SYSTEM
07 54 23.C05	TPO ROOF WALKWAY
07 72 00.C01	SINGLE-LEAF ROOF HATCH
10 53 00.A00	PREFABRICATED METAL CANOPY SYSTEM WITH INTERNAL DRAINAGE
22 11 00.D10	ROOF DRAIN, RE: PLUMBING
22 11 00.D11	OVERFLOW ROOF DRAIN, RE: PLUMBING
22 11 00.D12	VENT THROUGH ROOF, RE: PLUMBING
23 30 00.A00	HVAC SYSTEM; RE: MECHANICAL
23 30 00.E02	EXHAUST VENT; RE: MECHANICAL



1 ROOF PLAN

1/8" = 1'-0" DRAWN BY: HP

ARCHITECT

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REGISTRATION

REGISTERED ARCHITECT
MICHAEL K. BUTTRICK
2001102
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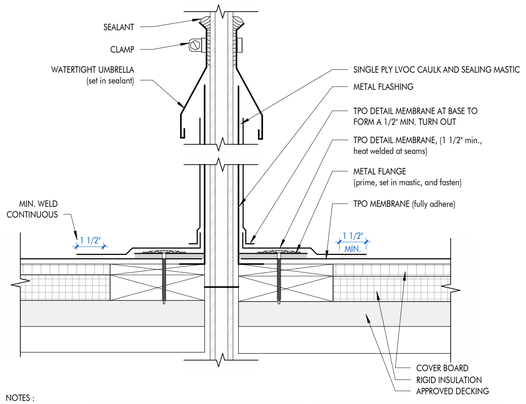
date 2026 AUGUST 28

director review

ROOF PLAN

A2.02

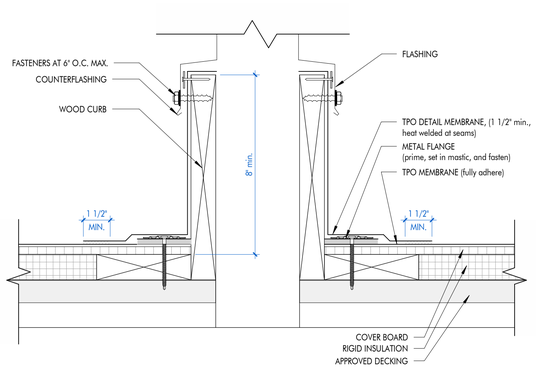
2026 AUGUST 28



NOTES :
1. THE CARPENTRY AND METAL WORK SHOW DEPICTS SHOP FABRICATION AND JOB-SITE ASSEMBLY. THESE COMPONENTS SHOULD BE DESIGNED/FABRICATED/INSTALLED ACCORDING TO GENERALLY ACCEPTED INDUSTRY PRACTICES, STANDARDS, AND APPROVALS.
2. DISSIMILAR METAL TYPES SUBJECT TO ELECTROLYTIC REACTION SHOULD BE PHYSICALLY SEPARATED.
3. REQUIREMENTS AND RECOMMENDATIONS DETAILED IN SPECIFICATIONS SHALL APPLY IN ADDITION TO THE ABOVE DRAWING.

CAUTION: IT IS RECOMMENDED THAT ALL PRACTICES PERTAINING TO NRCA CERTA GUIDELINES BE FOLLOWED TO TORCHING METHODS ARE EMPLOYED. THIS INCLUDES PERFORMING A FIRE WATCH FOLLOWING ANY TORCH APPLICATION. ALWAYS HAVE APPROVED FIRE-EXTINGUISHER EQUIPMENT NEARBY.

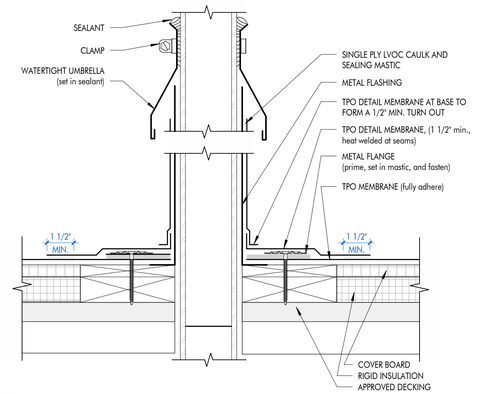
1 | TPO - CONDUIT/SMALL PIPE PENETRATION
N.T.S. DRAWN BY: SH



NOTES :
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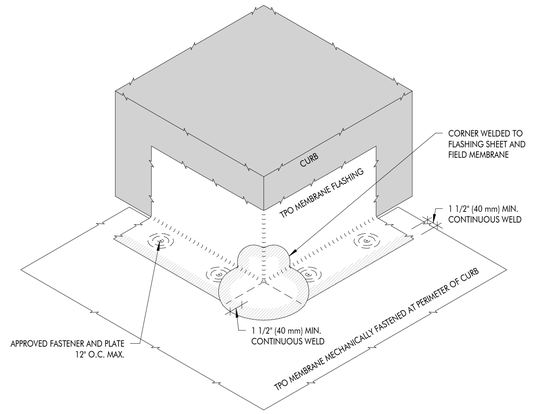
2 | TPO - CURB
N.T.S. DRAWN BY: SH



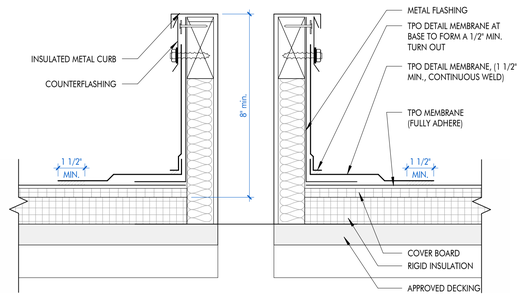
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3 | TPO - EQUIPMENT FRAME
N.T.S. DRAWN BY: SH



4 | TPO - OUTSIDE CORNER
N.T.S. DRAWN BY: SH

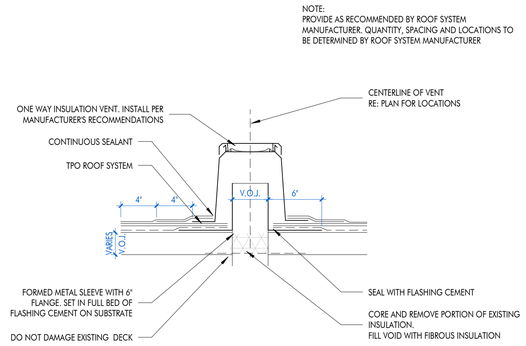


NOTES :
1. PREPARE GRANULE SURFACES UNDER FLASHING BY TORCH PREPARATION.
2. THE CARPENTRY AND METAL WORK SHOW DEPICTS SHOP FABRICATION AND JOB-SITE ASSEMBLY. THESE COMPONENTS SHOULD BE DESIGNED/FABRICATED/INSTALLED ACCORDING TO GENERALLY ACCEPTED INDUSTRY PRACTICES, STANDARDS, AND APPROVALS.
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4. REQUIREMENTS AND RECOMMENDATIONS DETAILED IN SPECIFICATIONS SHALL APPLY IN ADDITION TO THE ABOVE DRAWING.

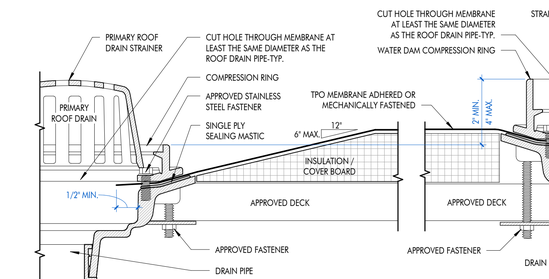
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5 | TPO - HVAC CURB
N.T.S. DRAWN BY: SH

NOTE:
PROVIDE AS RECOMMENDED BY ROOF SYSTEM MANUFACTURER. QUANTITY, SPACING AND LOCATIONS TO BE DETERMINED BY ROOF SYSTEM MANUFACTURER

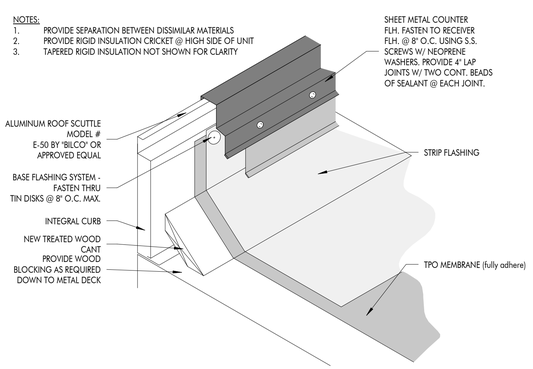


6 | TPO - ONE WAY MOISTURE RELIEF VENT
N.T.S. DRAWN BY: SH

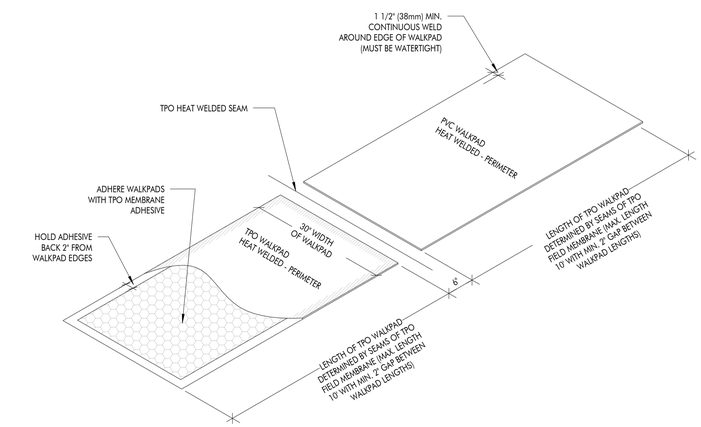


NOTES:
1. DRAIN AREA MUST BE PROPERLY TAPERED SO THAT THE DRAIN FLASHING IS NOT INSTALLED UNDER TENSION.
2. NO SEAMS OR FOLDS UNDER THE COMPRESSION RING.

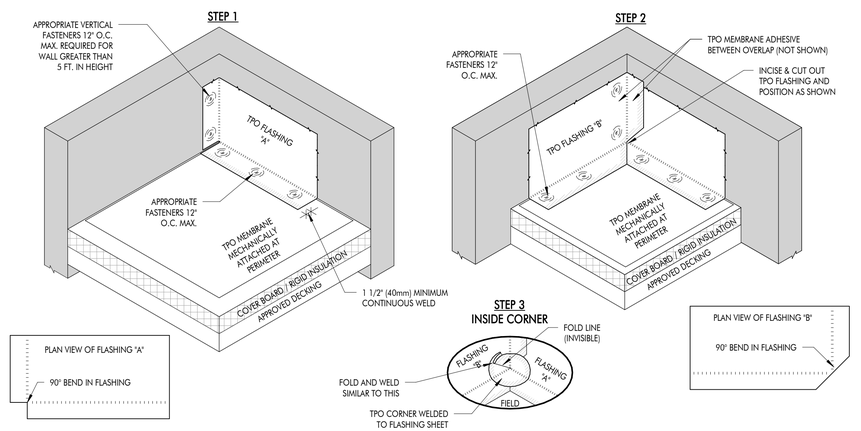
7 | TPO - ROOF DRAIN & OVERFLOW DRAIN
N.T.S. DRAWN BY: HP



8 | TPO - ROOF HATCH DETAIL
N.T.S. DRAWN BY: SH



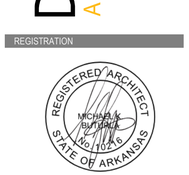
9 | TPO - WALKPADS OVER ADHERED TPO MEMBRANE
N.T.S. DRAWN BY: SH



10 | TPO - INSIDE CORNER
N.T.S. DRAWN BY: SH

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ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

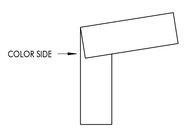
revisions No.	Description	Date

project # AR26-0001
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director review

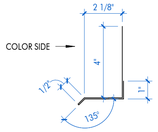
TPO ROOF DETAILS

A2.03

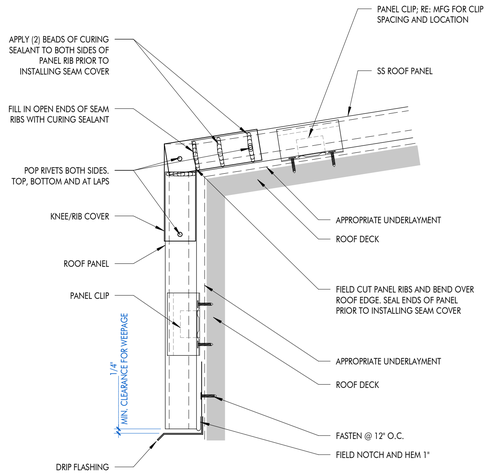
2026 AUGUST 28



STANDING SEAM KNEE/RIB COVER

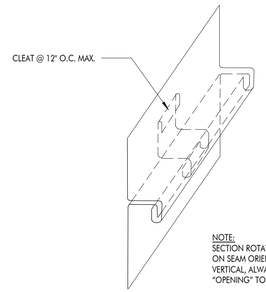


DRIP FLASHING



1 | TURN DOWN KNEE DETAIL

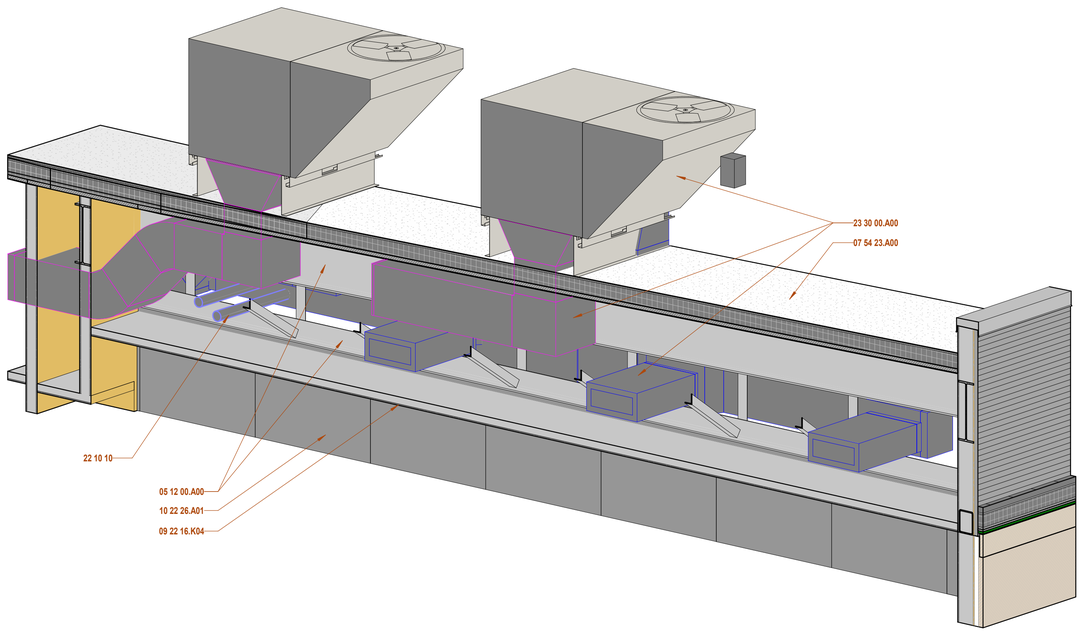
3" = 1'-0" DRAWN BY: HP



NOTE:
SECTION ROTATED DEPENDING ON SEAM ORIENTATION; IF NOT VERTICAL, ALWAYS WITH SEAM "OPENING" TO DOWNSLOPE SIDE.

2 | HORIZONTAL WALL APPLICATION

DRAWN BY: HP



3 | OPERABLE PARTITION 3D VIEW

DRAWN BY:

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
05 12 00.A00	STRUCTURAL STEEL FRAMING; RE: STRUCTURAL
07 54 23.A00	REINFORCED TPO ROOF MEMBRANE SYSTEM
09 22 16.K04	1/2" GYPSUM CEILING BOARD
10 22 26.A01	OPERABLE ACOUSTICAL PANEL SYSTEM
22 10 10	PLUMBING PIPING
23 30 00.A00	HVAC SYSTEM; RE: MECHANICAL

ARCHITECT

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REGISTRATION

REGISTERED ARCHITECT
MICHAEL K. BUTTRICK
10/01/2026
STATE OF ARKANSAS

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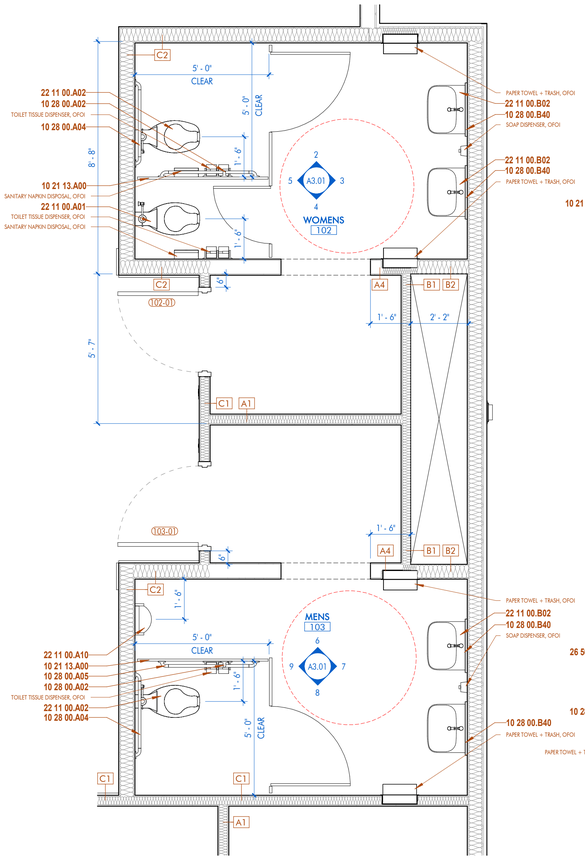
director review

STANDING SEAM ROOF DETAILS

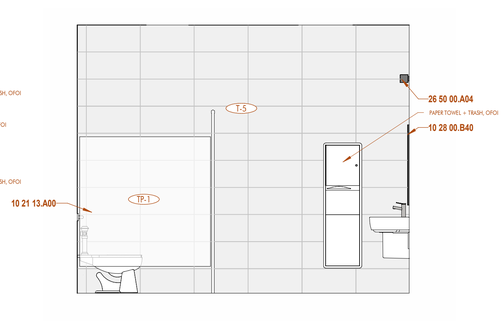
A2.04

SHEET KEYNOTE LIST

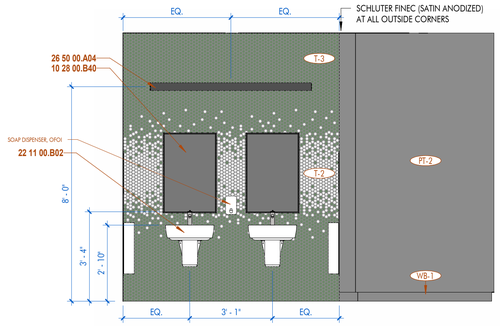
SPEC NUMBER	KEYNOTE DESCRIPTION
10 21 13.A00	TOILET PARTITION - OVERHEAD BRACED; FLOOR-MOUNTED
10 28 00.A02	18" GRAB BAR
10 28 00.A04	36" GRAB BAR
10 28 00.A05	42" GRAB BAR
10 28 00.B40	FRAMED MIRROR
22 11 00.A01	FLUSH VALVE TOILET; STANDARD HEIGHT, RE: PLUMBING
22 11 00.A02	FLUSH VALVE TOILET; ADA HEIGHT, RE: PLUMBING
22 11 00.A10	URINAL, RE: PLUMBING
22 11 00.B02	WALL MOUNT SINK, RE: PLUMBING
26 50 00.A04	WALL MOUNTED FIXTURE; RE ELECTRICAL



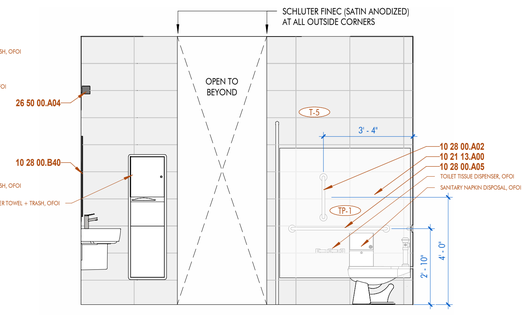
1 | ENLARGED PLAN - RESTROOMS
3/8" = 1'-0" DRAWN BY: HP / JG



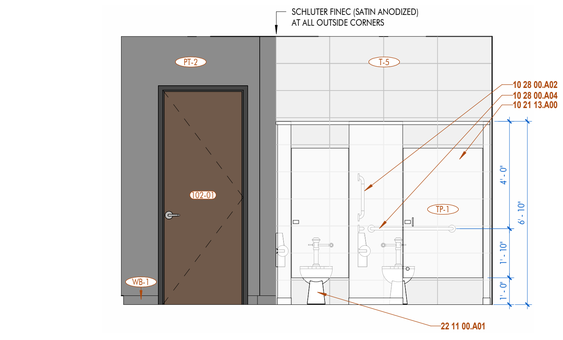
2 | WOMENS 102 - NORTH
3/8" = 1'-0" DRAWN BY: JG



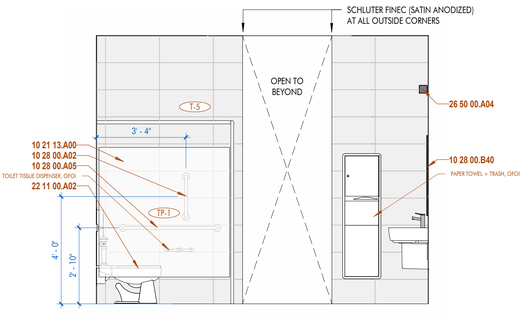
3 | WOMENS 102 - EAST
3/8" = 1'-0" DRAWN BY: JG



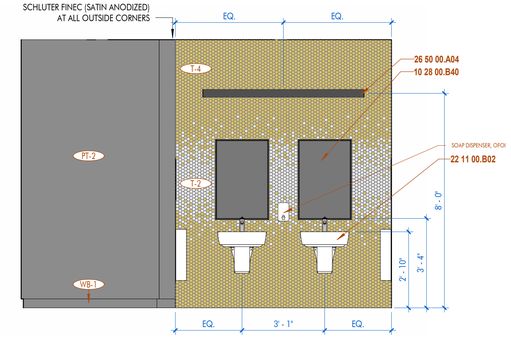
4 | WOMENS 102 - SOUTH
3/8" = 1'-0" DRAWN BY: JG



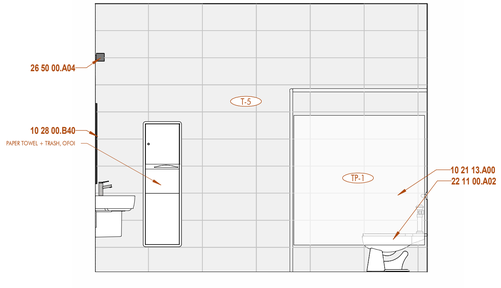
5 | WOMENS 102 - WEST
3/8" = 1'-0" DRAWN BY: JG



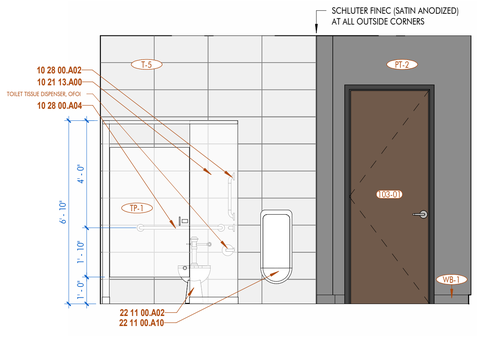
6 | MENS 103 - NORTH
3/8" = 1'-0" DRAWN BY: JG



7 | MENS 103 - EAST
3/8" = 1'-0" DRAWN BY: JG



8 | MENS 103 - SOUTH
3/8" = 1'-0" DRAWN BY: JG



9 | MENS 103 - WEST
3/8" = 1'-0" DRAWN BY: JG

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REGISTRATION

REGISTERED ARCHITECT
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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

date 2026 AUGUST 28

director review

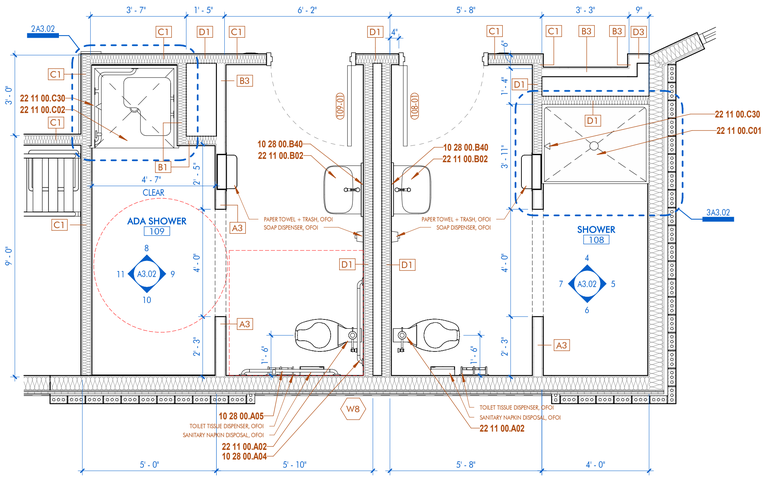
ENLARGED PLANS & INTERIOR ELEVATIONS

A3.01

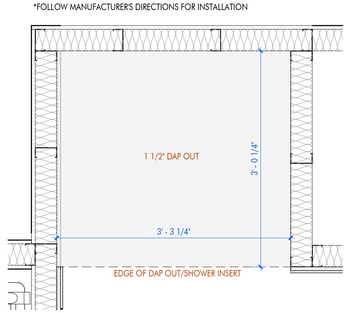
2026 AUGUST 28

SHEET KEYNOTE LIST

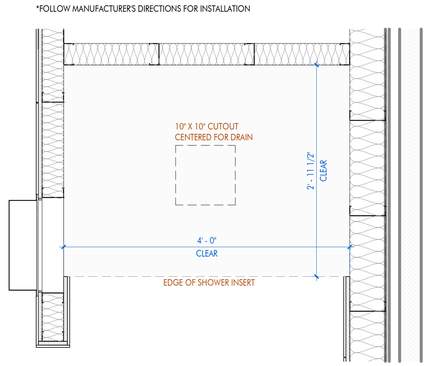
SPEC NUMBER	KEYNOTE DESCRIPTION
10 28 00.A02	18" GRAB BAR
10 28 00.A04	36" GRAB BAR
10 28 00.A05	42" GRAB BAR
10 28 00.B40	FRAMED MIRROR
22 11 00.A02	FLUSH VALVE TOILET; ADA HEIGHT, RE: PLUMBING
22 11 00.B02	WALL MOUNT SINK, RE: PLUMBING
22 11 00.C01	PRE-FABRICATED SHOWER, RE: PLUMBING
22 11 00.C02	PREFABRICATED ADA SHOWER, RE: PLUMBING
22 11 00.C30	SHOWER HEAD FIXTURE, RE: PLUMBING
26 50 00.A04	WALL MOUNTED FIXTURE; RE ELECTRICAL
26 50 00.A05	2' X 2' SURFACE MOUNTED FIXTURE; RE ELECTRICAL



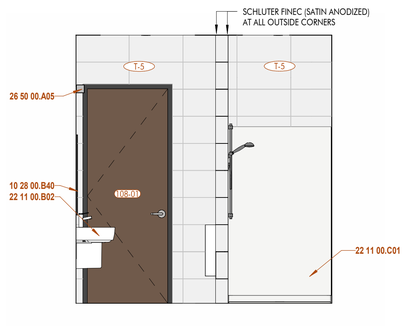
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3/8" = 1'-0" DRAWN BY: HP / JG



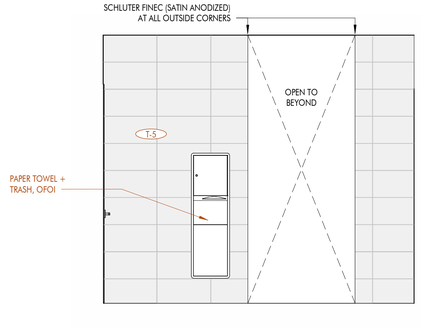
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1" = 1'-0" DRAWN BY: JG



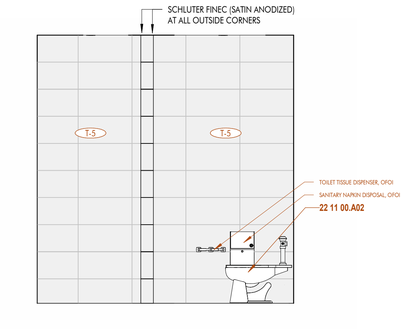
3 | ENLARGED SHOWER
1" = 1'-0" DRAWN BY: JG



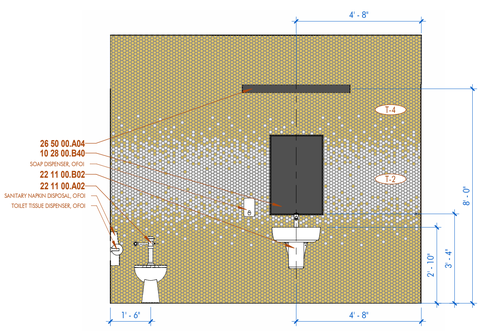
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3/8" = 1'-0" DRAWN BY: JG



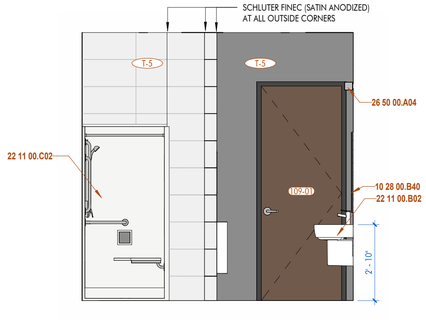
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3/8" = 1'-0" DRAWN BY: JG



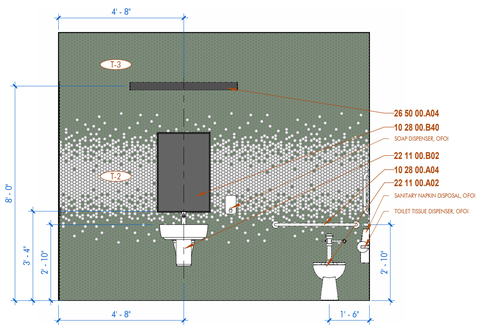
6 | SHOWER 1 - SOUTH
3/8" = 1'-0" DRAWN BY: JG



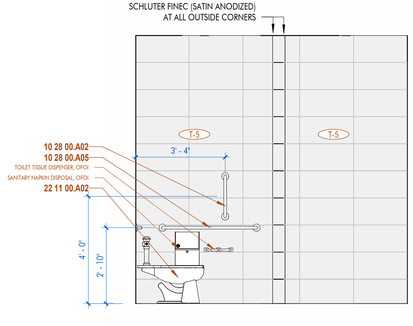
7 | SHOWER 1 - WEST
3/8" = 1'-0" DRAWN BY: JG



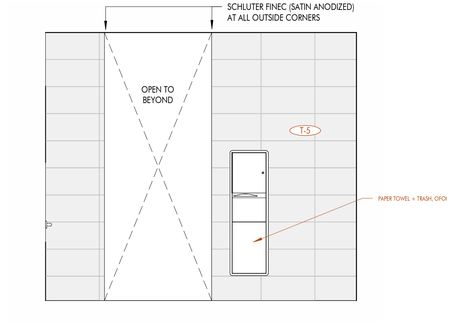
8 | SHOWER 2 - NORTH
3/8" = 1'-0" DRAWN BY: JG



9 | SHOWER 2 - EAST
3/8" = 1'-0" DRAWN BY: JG



10 | SHOWER 2 - SOUTH
3/8" = 1'-0" DRAWN BY: JG



11 | SHOWER 2 - WEST
3/8" = 1'-0" DRAWN BY: JG

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

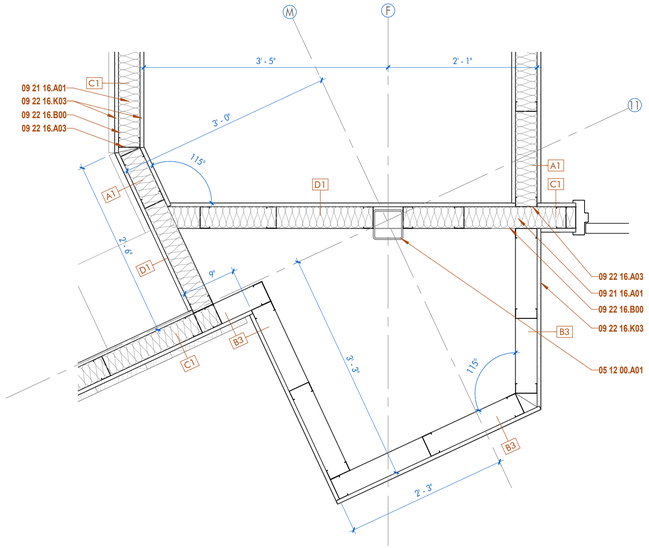
revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

ENLARGED PLANS & INTERIOR ELEVATIONS

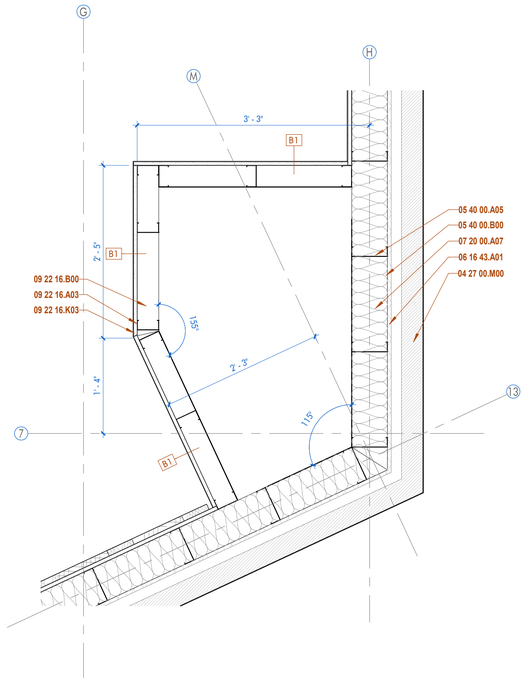
A3.02

2026 AUGUST 28



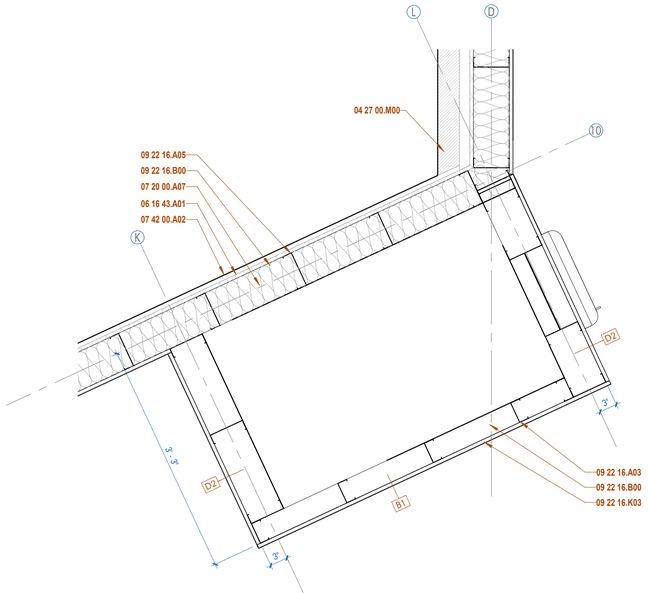
1 PLAN DETAIL

1" = 1'-0" DRAWN BY: HP



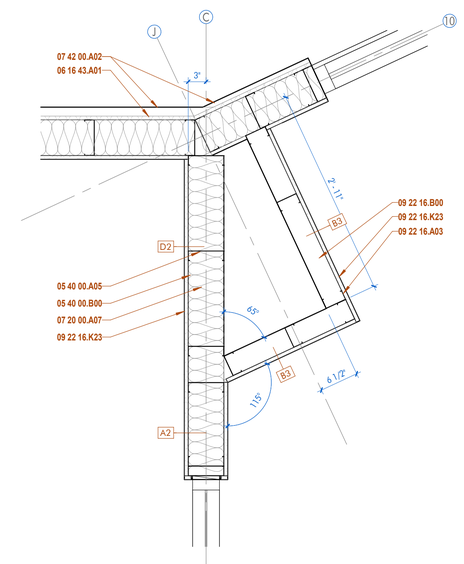
2 PLAN DETAIL

1" = 1'-0" DRAWN BY: HP



3 PLAN DETAIL

1" = 1'-0" DRAWN BY: HP



4 PLAN DETAIL

1" = 1'-0" DRAWN BY: HP

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
04 27 00.M00	BRICK VENEER
05 12 00.A01	STEEL COLUMN; RE STRUCTURAL
05 40 00.A05	6" METAL STUDS
05 40 00.B00	STEEL STUD TRACK; MATCH STUD SIZE
06 16 43.A01	5/8" EXTERIOR GYPSUM SHEATHING BOARD
07 20 00.A07	BATT INSULATION- FILL CAVITY COMPLETELY
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
09 21 16.A01	SOUND ATTENUATING BATT INSULATION- FILL CAVITY COMPLETELY
09 22 16.A03	3-5/8" METAL STUDS
09 22 16.A05	6" METAL STUDS
09 22 16.B00	STEEL STUD TRACK; MATCH STUD SIZE
09 22 16.K03	5/8" GYPSUM WALLBOARD
09 22 16.K23	5/8" TYPE "X" GYPSUM WALLBOARD

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(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

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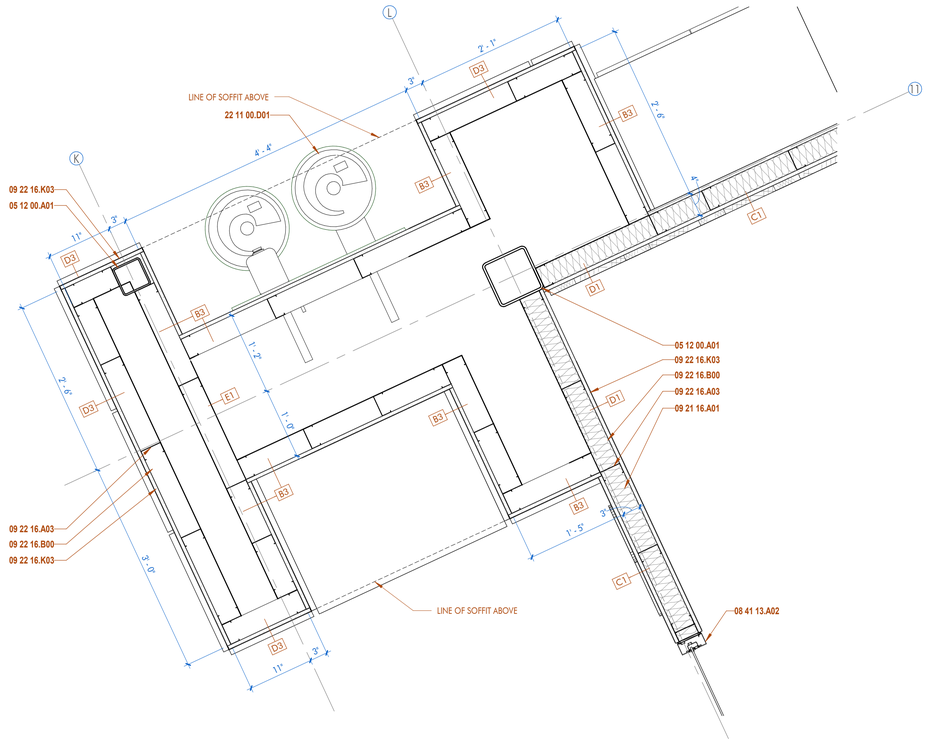
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date 2026 AUGUST 28

director review

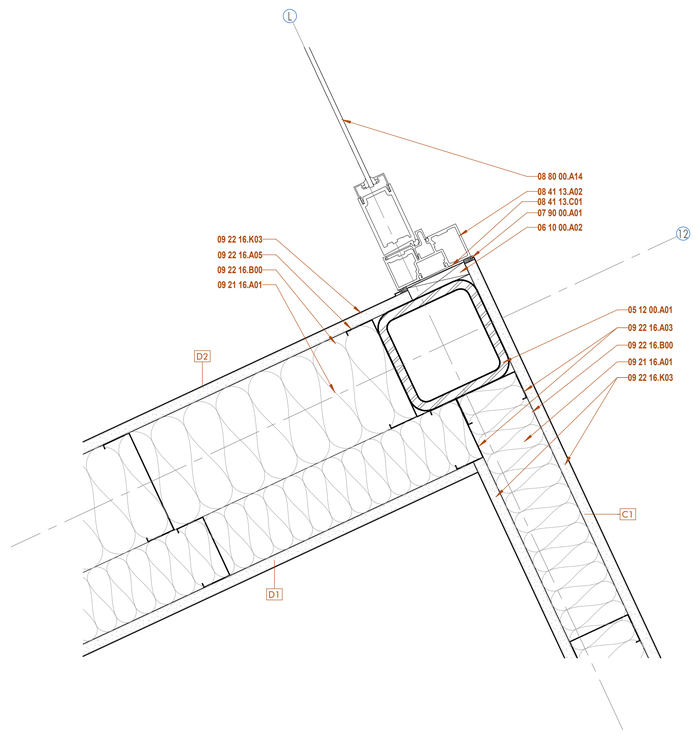
PLAN DETAILS

A3.03



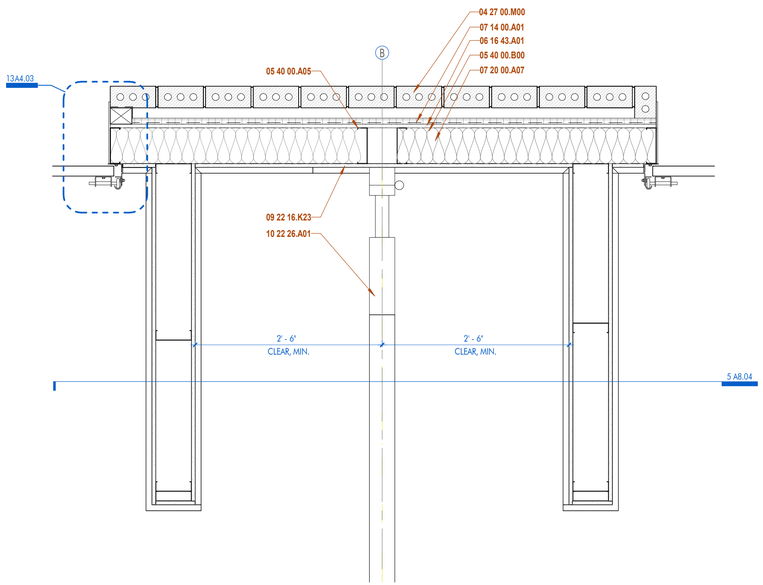
1 PLAN DETAIL

1" = 1'-0" DRAWN BY: HP



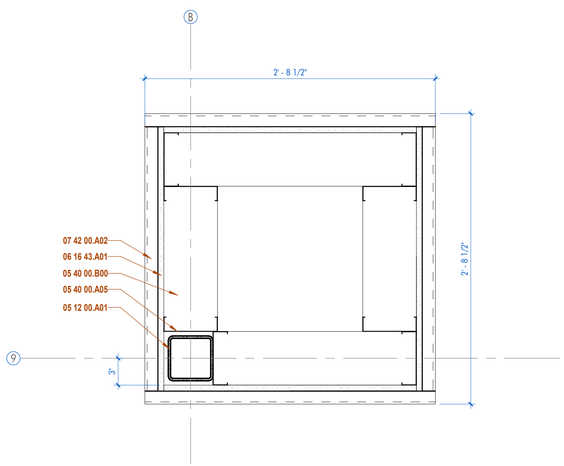
2 PLAN DETAIL

3" = 1'-0" DRAWN BY: BS



3 PLAN DETAIL

1" = 1'-0" DRAWN BY: HP



4 PLAN DETAIL

1 1/2" = 1'-0" DRAWN BY: BS

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
04 27 00.M00	BRICK VENEER
05 12 00.A01	STEEL COLUMN; RE STRUCTURAL
05 40 00.A05	6" METAL STUDS
05 40 00.B00	STEEL STUD TRACK; MATCH STUD SIZE
06 10 00.A02	TREATED WOOD BLOCKING
06 16 43.A01	5/8" EXTERIOR GYPSUM SHEATHING BOARD
07 14 00.A01	FLUID-APPLIED AIR-INFILTRATION BARRIER AND WATERPROOFING
07 20 00.A07	BATT INSULATION- FILL CAVITY COMPLETELY
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 90 00.A01	BACKER ROD & SEALANT
08 41 13.A02	PREFINISHED INTERIOR ALUMINUM STOREFRONT
08 41 13.C01	NEOPRENE SHIM AS REQUIRED
08 80 00.A14	1/4" CLEAR TEMPERED GLASS
09 21 16.A01	SOUND ATTENUATING BATT INSULATION- FILL CAVITY COMPLETELY
09 22 16.A03	3-5/8" METAL STUDS
09 22 16.A05	6" METAL STUDS
09 22 16.B00	STEEL STUD TRACK; MATCH STUD SIZE
09 22 16.K03	5/8" GYPSUM WALLBOARD
09 22 16.K23	5/8" TYPE 'X' GYPSUM WALLBOARD
10 22 26.A01	OPERABLE ACOUSTICAL PANEL SYSTEM
22 11 00.D01	HI LO DRINKING FOUNTAIN, RE: PLUMBING

ARCHITECT

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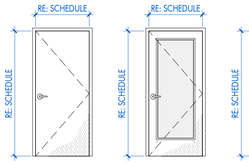
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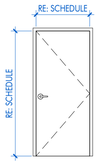
PLAN DETAILS

A3.04

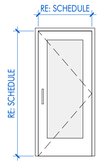


TYPE A1
FLUSH PANEL
WOOD DOOR
RE: SPEC SECTION 08 14 16

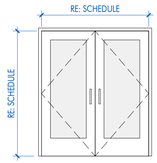
TYPE A4
FLUSH PANEL WOOD DOOR
W/ FULL LITE
RE: SPEC SECTION 08 14 16



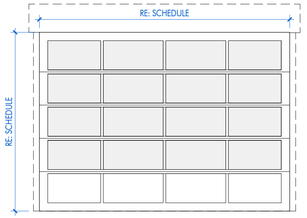
TYPE C1
FLUSH PANEL
STEEL DOOR
RE: SPEC SECTION 08 11 13



TYPE E1
ALUMINUM STOREFRONT
DOOR W/ FULL LITE
RE: SPEC SECTION 08 41 13



TYPE F1
ALUMINUM STOREFRONT
DOORS W/ FULL LITE
RE: SPEC SECTION 08 41 13

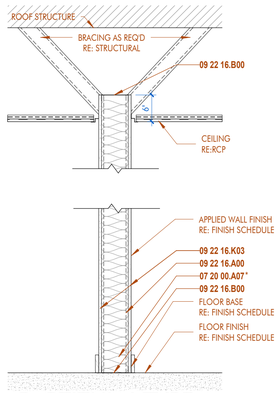


TYPE G1
OVERHEAD COILING DOOR
W/ FULL VISION & KICK-PROOF BOTTOM PANEL
RE: SPEC SECTION 08 33 23

1 DOOR TYPES
1/4" = 1'-0" DRAWN BY: HP

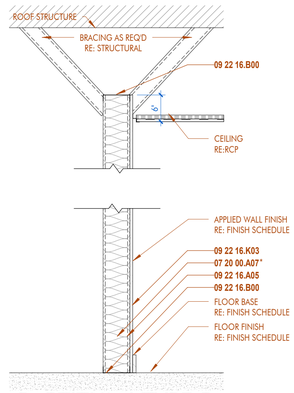
DOOR SCHEDULE

ROOM NAME	DOOR NUMBER	DOOR TYPE	FIRE RATING	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR MATERIAL	DOOR FINISH	FRAME NUMBER	FRAME MATERIAL	FRAME FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS THRESHOLD	DOOR NUMBER	REMARKS
LOBBY	100-01	F1	0	6' - 0"	8' - 0"	1 3/4"	GLASS / ALUMINUM	CLEAR ANODIZED	100-01	ALUMINUM	CLEAR ANODIZED		9 A4.03	11 A4.03	100-01	
GYM	100-02	F1	0	6' - 0"	8' - 0"	1 3/4"	GLASS / ALUMINUM	CLEAR ANODIZED	100-02	ALUMINUM	CLEAR ANODIZED		9 A4.03	11 A4.03	100-02	
GYM	101-01	E1	0	3' - 0"	8' - 0"	1 3/4"	GLASS / ALUMINUM	CLEAR ANODIZED	101-01	ALUMINUM	CLEAR ANODIZED		10 A4.03	11 A4.03	101-01	
GYM	102-01	A1	0	3' - 0"	8' - 0"	1 3/4"	WOOD	STN-1	102-01	HOLLOW METAL	PT-5	7 A4.03	8 A4.03	3 A9.01	102-01	
MENS	103-01	A1	0	3' - 0"	8' - 0"	1 3/4"	WOOD	STN-1	103-01	HOLLOW METAL	PT-5	7 A4.03	8 A4.03	3 A9.01	103-01	
IT/DATA	104-01	A1	0	3' - 0"	8' - 0"	1 3/4"	WOOD	STN-1	104-01	HOLLOW METAL	PT-5	7 A4.03	8 A4.03	6 A9.01	104-01	
STORAGE	105-01	A1	0	3' - 0"	8' - 0"	1 3/4"	WOOD	STN-1	105-01	HOLLOW METAL	PT-5	16 A4.02	8 A4.03	--	105-01	
ESPORTS	106-01	A4	0	3' - 0"	8' - 0"	1 3/4"	GLASS / WOOD	STN-1	106-01	ALUMINUM	CLEAR ANODIZED	16 A4.02	2 A3.04	--	106-01	
STREAM	107-01	A4	0	3' - 0"	8' - 0"	1 3/4"	GLASS / WOOD	STN-1	107-01	ALUMINUM	CLEAR ANODIZED	16 A4.02	1 A4.03	--	107-01	
SHOWER	108-01	A1	0	3' - 0"	8' - 0"	1 3/4"	WOOD	STN-1	108-01	HOLLOW METAL	PT-5	7 A4.03	8 A4.03	9 A9.01	108-01	
LOBBY	109-01	A1	0	3' - 0"	8' - 0"	1 3/4"	WOOD	STN-1	109-01	HOLLOW METAL	PT-5	7 A4.03	8 A4.03	9 A9.01	109-01	
JAN / ELECT	110-01	A1	0	3' - 0"	8' - 0"	1 3/4"	WOOD	STN-1	110-01	HOLLOW METAL	PT-5	7 A4.03	8 A4.03	10 A9.01	110-01	
CORRIDOR	111-01	F1	0	6' - 4"	8' - 0"	1 3/4"	GLASS / ALUMINUM	CLEAR ANODIZED	111-01	ALUMINUM	CLEAR ANODIZED	1 A4.02	4 A4.02	11 A4.03	111-01	
MULTIPURPOSE 1	112-01	A4	0	3' - 0"	8' - 0"	1 3/4"	GLASS / WOOD	STN-1	112-01	ALUMINUM	CLEAR ANODIZED	16 A4.02	1 A4.03	--	112-01	
MULTIPURPOSE 1	112-02	E1	0	3' - 0"	8' - 0"	1 3/4"	GLASS / ALUMINUM	CLEAR ANODIZED	112-02	ALUMINUM	CLEAR ANODIZED	8 A4.02	1 A4.03	11 A4.03	112-02	
MULTIPURPOSE 1	112-03	G1	0	14' - 0"	10' - 0"		GLASS / ALUMINUM	CLEAR ANODIZED	112-03	ALUMINUM	CLEAR ANODIZED	12 A4.03	13 A4.03	14 A4.03	112-03	
MULTIPURPOSE 2	113-01	A4	0	3' - 0"	8' - 0"	1 3/4"	GLASS / WOOD	STN-1	113-01	ALUMINUM	CLEAR ANODIZED	16 A4.02	1 A4.03	--	113-01	
MULTIPURPOSE 2	113-02	E1	0	3' - 0"	8' - 0"	1 3/4"	GLASS / ALUMINUM	CLEAR ANODIZED	113-02	ALUMINUM	CLEAR ANODIZED	8 A4.02	1 A4.03	11 A4.03	113-02	
MULTIPURPOSE 2	113-03	G1	0	14' - 0"	10' - 0"		GLASS / ALUMINUM	CLEAR ANODIZED	113-03	ALUMINUM	CLEAR ANODIZED	12 A4.03	13 A4.03	14 A4.03	113-03	
STORAGE	114-01	C1	0	3' - 0"	8' - 0"	1 3/4"	HOLLOW METAL	PT-2	114-01	HOLLOW METAL	PT-2	4 A4.03	5 A4.03	6 A4.03	114-01	



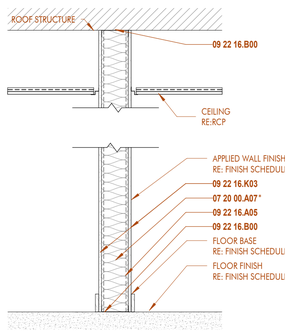
PARTITION TYPE A

TYPE A1: 3 5/8" METAL STUDS
TYPE A2: 6" METAL STUDS
TYPE A3: 3 5/8" METAL STUDS; NO INSULATION
TYPE A4: 6" METAL STUDS; NO INSULATION



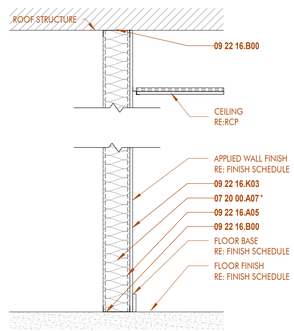
PARTITION TYPE B

TYPE B1: 3 5/8" METAL STUDS
TYPE B2: 6" METAL STUDS
TYPE B3: 3 5/8" METAL STUDS; NO INSULATION
TYPE B4: 6" METAL STUDS; NO INSULATION



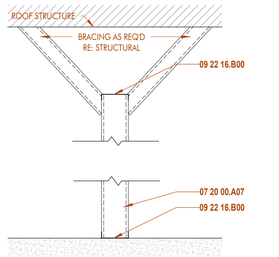
PARTITION TYPE C

TYPE C1: 3 5/8" METAL STUDS
TYPE C2: 6" METAL STUDS
TYPE C3: 3 5/8" METAL STUDS; NO INSULATION
TYPE C4: 6" METAL STUDS; NO INSULATION



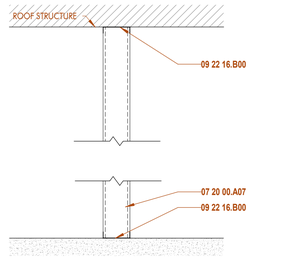
PARTITION TYPE D

TYPE D1: 3 5/8" METAL STUDS
TYPE D2: 6" METAL STUDS
TYPE D3: 3 5/8" METAL STUDS; NO INSULATION
TYPE D4: 6" METAL STUDS; NO INSULATION



PARTITION TYPE E

TYPE E1: 3 5/8" METAL STUDS
TYPE E2: 6" METAL STUDS

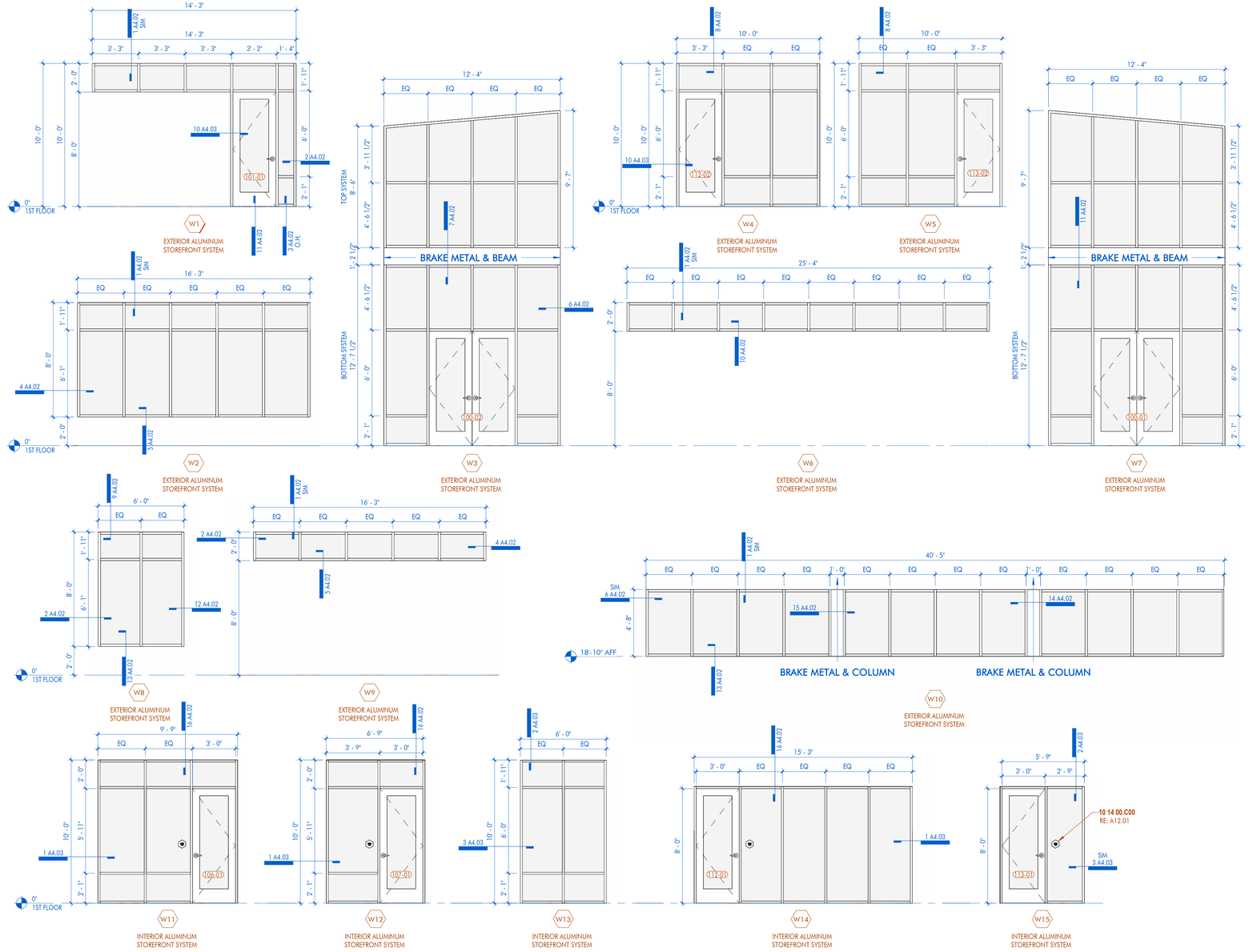


PARTITION TYPE F

TYPE F1: 3 5/8" METAL STUDS
TYPE F2: 6" METAL STUDS

NOTES FOR ALL PARTITION TYPES:
- SEE STRUCTURAL FOR BRACING REQUIREMENTS

2 PARTITION TYPES
3/4" = 1'-0" DRAWN BY: HP



3 STOREFRONT TYPES
1/4" = 1'-0" DRAWN BY: HP

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REGISTRATION

REGISTERED ARCHITECT
MICHAEL K. BUTTRICK
No. 10246
STATE OF ARKANSAS

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(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

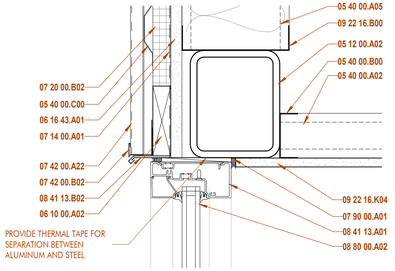
revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

DOORS, STOREFRONTS, PARTITIONS

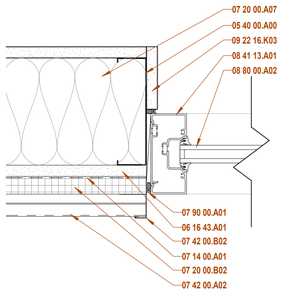
A4.01

2026 AUGUST 28

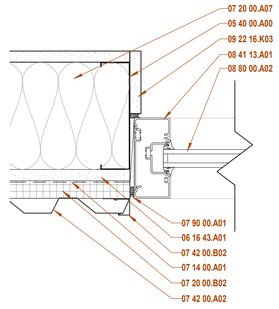


1 | HEAD - EXT. SF @ VERT. PANEL
3" = 1'-0" DRAWN BY: HP

5 | SILL - EXT. SF @ HORIZ. PANEL
3" = 1'-0" DRAWN BY: HP

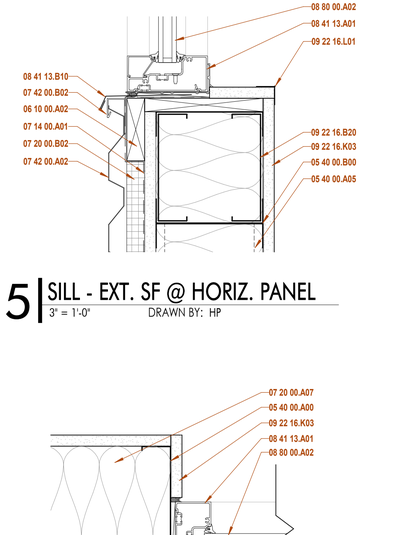


2 | JAMB - EXT SF @ HORIZ. PANEL
3" = 1'-0" DRAWN BY: BS



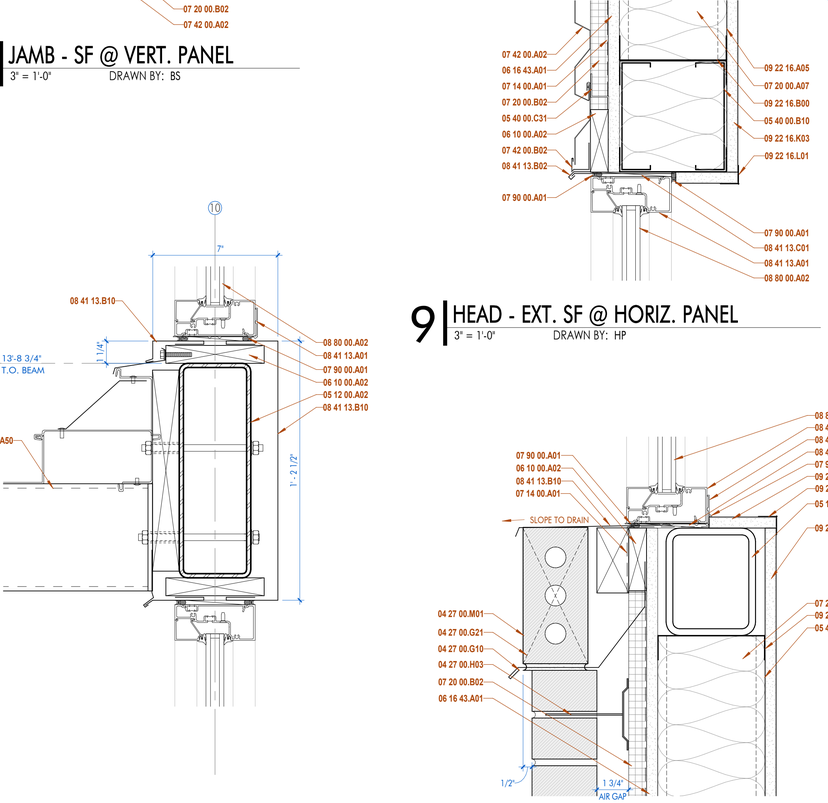
6 | JAMB - SF @ VERT. PANEL
3" = 1'-0" DRAWN BY: BS

3 | SILL - EXT. SF @ SLAB
3" = 1'-0" DRAWN BY: HP

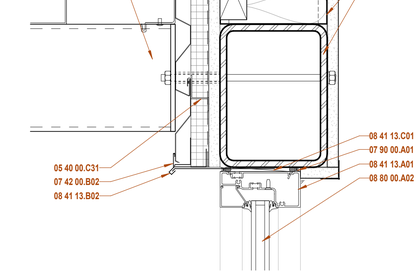


7 | SILL - BRAKE METAL & BEAM @ CANOPY
3" = 1'-0" DRAWN BY: BS

4 | JAMB - EXT SF @ BRICK
3" = 1'-0" DRAWN BY: BS

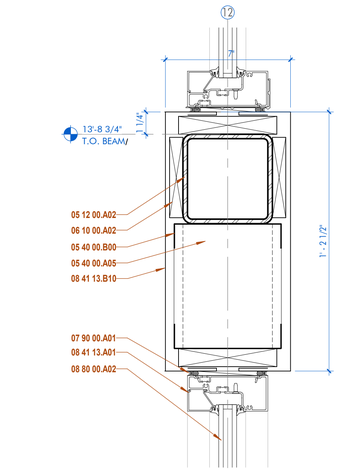


9 | HEAD - EXT. SF @ HORIZ. PANEL
3" = 1'-0" DRAWN BY: HP

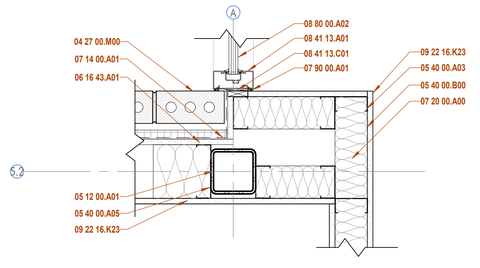


8 | HEAD - EXT. SF @ CANOPY
3" = 1'-0" DRAWN BY: HP

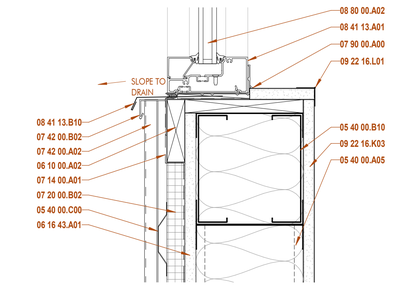
10 | SILL - EXT. SF @ BRICK
3" = 1'-0" DRAWN BY: HP



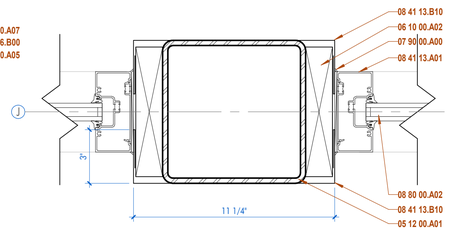
11 | SILL - BRAKE METAL & BEAM
3" = 1'-0" DRAWN BY: BS



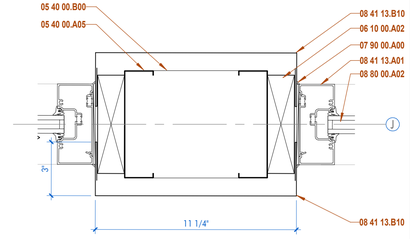
12 | JAMB - EXT SF @ STORAGE
1 1/2" = 1'-0" DRAWN BY: HP



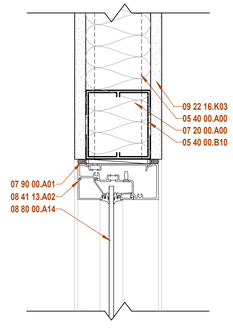
13 | SILL - EXT. SF @ VERT. PANEL
3" = 1'-0" DRAWN BY: HP



14 | JAMB - BRAKE METAL & COLUMN
3" = 1'-0" DRAWN BY: BS



15 | JAMB - BRAKE METAL @ SF
3" = 1'-0" DRAWN BY: BS



16 | HEAD - INT. SF @ 3-5/8" STUD
3" = 1'-0" DRAWN BY: HP

SHEET KEYNOTE LIST

03 30 00.D00	GALVANIZED STEEL ANCHOR BOLTS; RE: STRUCTURE FOR SIZE AND SPACING
04 27 00.G10	COPPER FABRIC FLASHING
04 27 00.G21	WEEP HOLES @ 24" O.C.; OMIT MORTAR
04 27 00.H03	TWO-PIECE MASONRY VENEER BRICK-TIES @ 16" O.C.
04 27 00.M00	BRICK VENEER
04 27 00.M01	SOLDIER COURSE
05 12 00.A01	STEEL COLUMN; RE STRUCTURAL
05 12 00.A02	STEEL BEAM; RE STRUCTURAL
05 40 00.A00	METAL STUD FRAMING
05 40 00.A02	2-1/2" METAL STUDS
05 40 00.A03	3-5/8" METAL STUDS
05 40 00.A05	6" METAL STUDS
05 40 00.B00	STEEL STUD TRACK; MATCH STUD SIZE
05 40 00.B10	NESTED STEEL STUD BOX BEAM
05 40 00.C00	FURRING CHANNEL
05 40 00.C31	1" Z-FURRING CHANNEL
06 10 00.A02	TREATED WOOD BLOCKING
06 16 43.A01	5/8" EXTERIOR GYPSUM SHEATHING BOARD
07 14 00.A01	FLUID-APPLIED AIR-INFILTRATION BARRIER AND WATERPROOFING
07 20 00.A00	BATT INSULATION
07 20 00.A07	BATT INSULATION- FILL CAVITY COMPLETELY
07 20 00.B02	1" RIGID INSULATION
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 00.A22	PREFINISHED CONCEALED FASTENER METAL CEILING PANEL
07 42 00.B02	PREFINISHED METAL WALL PANEL BASE TRIM
07 90 00.A00	SEALANT
07 90 00.A01	BACKER ROD & SEALANT
08 41 13.A01	PREFINISHED EXTERIOR ALUMINUM STOREFRONT
08 41 13.A02	PREFINISHED INTERIOR ALUMINUM STOREFRONT
08 41 13.B02	PREFINISHED HEAD FLASHING
08 41 13.B04	ONE-PIECE FORMED CONTINUOUS PREFINISHED ALUMINUM SILL FLASHING W/ END DAMS ON BED OF SEALANT (PROVIDE SHIM FOR POSITIVE DRAINAGE)
08 41 13.B10	EXTRUDED PREFINISHED ALUMINUM FLASHING (BRAKE METAL) TO MATCH SYSTEM
08 41 13.C01	NEOPRENE SHIM AS REQUIRED
08 80 00.A02	1" CLEAR INSULATED GLASS
08 80 00.A14	1/4" CLEAR TEMPERED GLASS
09 22 16.A05	6" METAL STUDS
09 22 16.B00	STEEL STUD TRACK; MATCH STUD SIZE
09 22 16.B20	NESTED STEEL STUD BOX BEAM - FILL WITH INSULATION PRIOR TO INSTALLING
09 22 16.K03	5/8" GYPSUM WALLBOARD
09 22 16.K04	1/2" GYPSUM CEILING BOARD
09 22 16.K23	5/8" TYPE 'X' GYPSUM WALLBOARD
09 22 16.L01	CORNER BEAD
10 53 00.A50	PREFINISHED ALUMINUM CANOPY ANCHORED TO WALL

ARCHITECT
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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

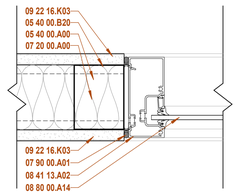
revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

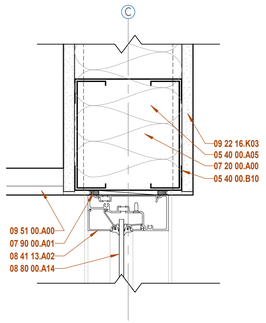
HEAD, JAMB & SILL DETAILS

A4.02

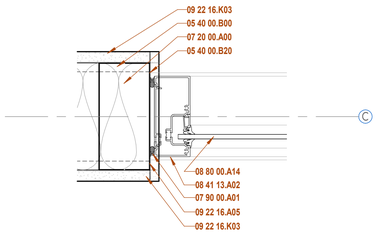
2026 AUGUST 28



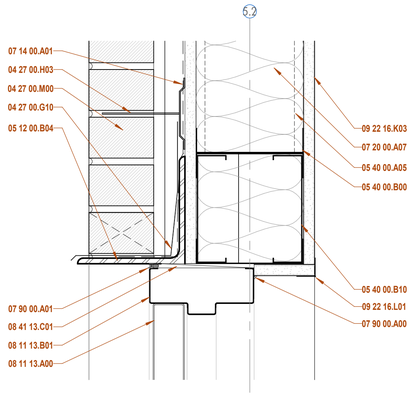
1 JAMB - INT. SF @ 3-5/8" STUD
3" = 1'-0" DRAWN BY: HP



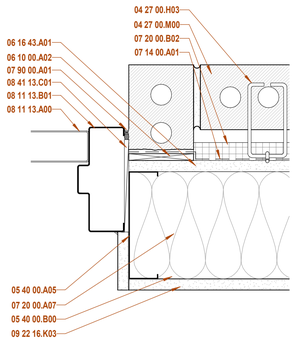
2 HEAD - INT. SF @ 6" STUD
3" = 1'-0" DRAWN BY:



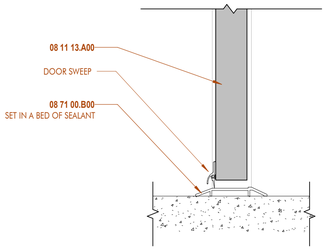
3 JAMB - INT. SF @ 6" STUD
3" = 1'-0" DRAWN BY:



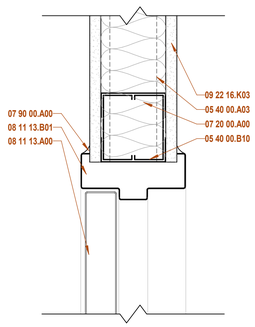
4 HEAD - EXT. DOOR @ BRICK
3" = 1'-0" DRAWN BY: BS



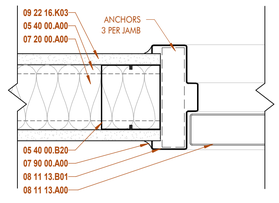
5 JAMB - EXT. DOOR @ BRICK
3" = 1'-0" DRAWN BY: BS



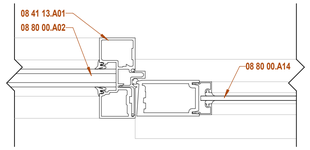
6 THRESHOLD - EXT. DOOR
3" = 1'-0" DRAWN BY: BS



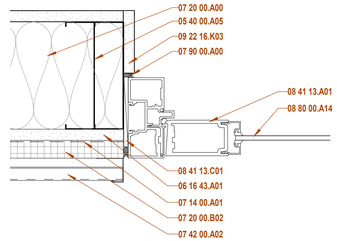
7 HEAD - INT. DOOR @ STUD
3" = 1'-0" DRAWN BY: HP



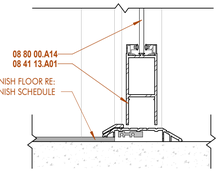
8 JAMB - INT. DOOR @ STUD
3" = 1'-0" DRAWN BY: HP



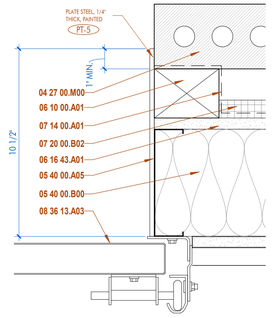
9 JAMB - EXT. SF DOOR
3" = 1'-0" DRAWN BY: HP



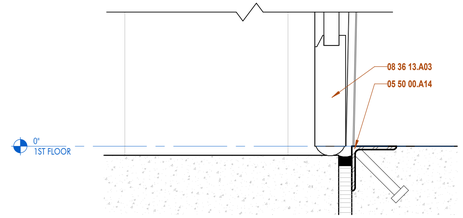
10 JAMB - SF DOOR @ METAL PANEL
3" = 1'-0" DRAWN BY: BS



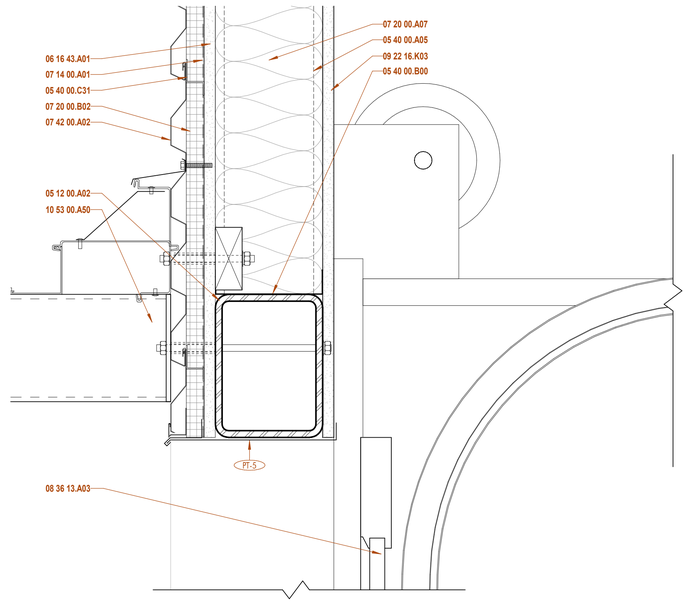
11 THRESHOLD - EXT. SF DOOR
3" = 1'-0" DRAWN BY: HP



13 JAMB - SECTIONAL DOOR
3" = 1'-0" DRAWN BY: HP



14 THRESHOLD - SECTIONAL DOOR
3" = 1'-0" DRAWN BY: HP



12 HEAD - SECTIONAL DOOR
3" = 1'-0" DRAWN BY: HP

SHEET KEYNOTE LIST

04 27 00.G10	COPPER FABRIC FLASHING
04 27 00.H03	TWO-PIECE MASONRY VENEER BRICK-TIES @ 16" O.C.
04 27 00.M00	BRICK VENEER
05 12 00.A02	STEEL BEAM; RE STRUCTURAL
05 12 00.B04	STEEL ANGLE, 6 X 6
05 40 00.A00	METAL STUD FRAMING
05 40 00.A03	3-5/8" METAL STUDS
05 40 00.A05	6" METAL STUDS
05 40 00.B00	STEEL STUD TRACK; MATCH STUD SIZE
05 40 00.B10	NESTED STEEL STUD BOX BEAM
05 40 00.B20	DOUBLE STEEL STUD JAMB
05 40 00.C31	1" Z-FURRING CHANNEL
05 50 00.A14	2 1/2" x 2 1/2" x 3/16" GALVANIZED AND PAINTED STEEL ANGLE
06 10 00.A01	WOOD BLOCKING
06 10 00.A02	TREATED WOOD BLOCKING
06 16 43.A01	5/8" EXTERIOR GYPSUM SHEATHING BOARD
07 14 00.A01	FLUID-APPLIED AIR-INFILTRATION BARRIER AND WATERPROOFING
07 20 00.A00	BATT INSULATION
07 20 00.A07	BATT INSULATION- FILL CAVITY COMPLETELY
07 20 00.B02	1" RIGID INSULATION
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 90 00.A00	SEALANT
07 90 00.A01	BACKER ROD & SEALANT
08 11 13.A00	DOOR AS SCHEDULED
08 11 13.B01	PAINTED HOLLOW STEEL DOOR FRAME
08 36 13.A03	PREFINISHED SECTIONAL OVERHEAD PANEL ROLL-UP DOOR
08 41 13.A01	PREFINISHED EXTERIOR ALUMINUM STOREFRONT
08 41 13.A02	PREFINISHED INTERIOR ALUMINUM STOREFRONT
08 41 13.C01	NEOPRENE SHIM AS REQUIRED
08 71 00.B00	METAL THRESHOLD
08 80 00.A02	1" CLEAR INSULATED GLASS
08 80 00.A14	1/4" CLEAR TEMPERED GLASS
09 22 16.A05	6" METAL STUDS
09 22 16.K03	5/8" GYPSUM WALLBOARD
09 22 16.L01	CORNER BEAD
09 51 00.A00	ACOUSTICAL CEILING TILE & GRID
10 53 00.A50	PREFINISHED ALUMINUM CANOPY ANCHORED TO WALL

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REGISTRATION

REGISTERED ARCHITECT
MICHAEL K. BUTTRICK
STATE OF ARKANSAS

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

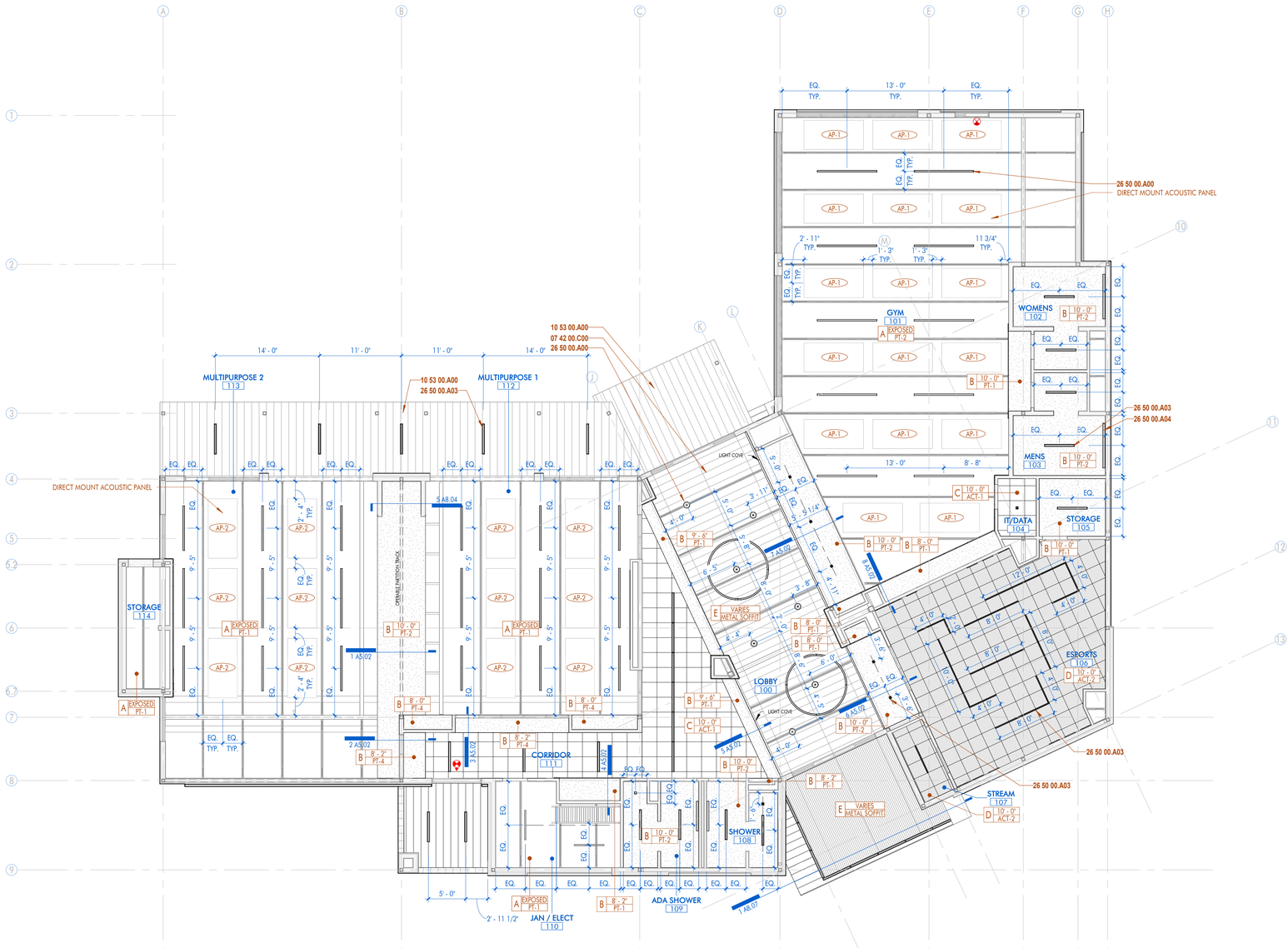
revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

HEAD, JAMB & SILL DETAILS

A4.03

2026 AUGUST 28



1 1ST FLOOR

1/8" = 1'-0" DRAWN BY: HP / JG

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
07 42 00.C00	PREFINISHED METAL SOFFIT PANEL
10 53 00.A00	PREFABRICATED METAL CANOPY SYSTEM WITH INTERNAL DRAINAGE
26 50 00.A00	LIGHT FIXTURE; RE ELECTRICAL
26 50 00.A03	RECESSED LIGHT FIXTURE; RE ELECTRICAL
26 50 00.A04	WALL MOUNTED FIXTURE; RE ELECTRICAL

CEILING PLAN LEGEND

CEILING TYPE

A 9' - 0" PT-1 — CEILING HEIGHT ABOVE FINISH FLOOR

CEILING FINISH

ROOM NAME 812 — ROOM DESIGNATION TAG

SQUARE RECESSED CAN

CYLINDER PENDANT

RING PENDANT W/ ACOUSTIC ADD-ON

RING PENDANT

WALL MOUNTED FIXTURE

RECESSED LINEAR

ACOUSTIC CLOUD

LINEAR GRID MOUNT FIXTURE

CEILING PLAN LEGEND

NOTE: REFER TO FINISH LEGEND & SCHEDULE FOR FURTHER INFORMATION

A	EXPOSED TO STRUCTURE
B	PAINTED GYPSUM BOARD
C	2 X 2 SUSPENDED ACOUSTICAL TILE CEILING (WHITE)
D	2 X 2 SUSPENDED ACOUSTICAL TILE CEILING (BLACK)
E	PREFINISHED METAL SOFFIT PANEL

GENERAL NOTES

1. ALL CONDUIT, DUCTWORK, PIPING, STRUCTURE, ETC. EXPOSED IN OPEN CEILING IS TO BE PAINTED TO MATCH CEILING AS NOTED.

ARCHITECT

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REGISTRATION

REGISTERED ARCHITECT MICHAEL K. BUTTRICK 10218 STATE OF ARKANSAS

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS

ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

date 2026 AUGUST 28

director review

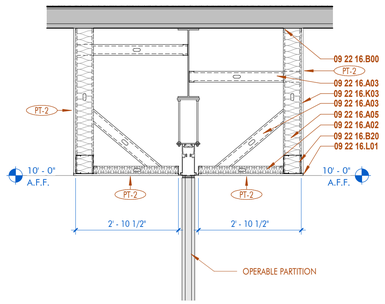
REFLECTED CEILING PLAN

A5.01

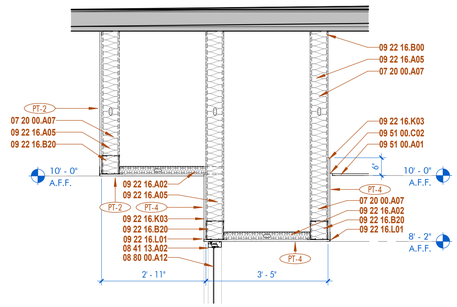
2026 AUGUST 28

SHEET KEYNOTE LIST

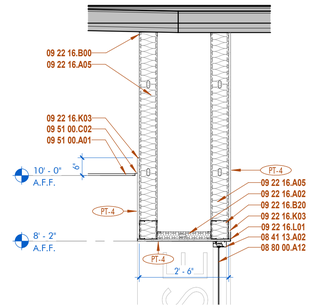
SPEC NUMBER	KEYNOTE DESCRIPTION
05 40 00.C11	1-1/2" FURRING CHANNEL
06 10 00.A02	TREATED WOOD BLOCKING
06 40 00.B04	PLASTIC LAMINATE
06 40 00.C05	3/4" FURNITURE GRADE PLYWOOD
07 20 00.A07	BATT INSULATION- FILL CAVITY COMPLETELY
07 42 00.A22	PREFINISHED CONCEALED FASTENER METAL CEILING PANEL
07 42 00.B14	PREFINISHED METAL J-TRIM CLOSURE
08 41 13.A02	PREFINISHED INTERIOR ALUMINUM STOREFRONT
08 80 00.A12	1/4" CLEAR GLASS
09 22 16.A02	2-1/2" METAL STUDS
09 22 16.A03	3-5/8" METAL STUDS
09 22 16.A05	6" METAL STUDS
09 22 16.B00	STEEL STUD TRACK; MATCH STUD SIZE
09 22 16.B20	NESTED STEEL STUD BOX BEAM - FILL WITH INSULATION PRIOR TO INSTALLING
09 22 16.K03	5/8" GYPSUM WALLBOARD
09 22 16.L01	CORNER BEAD
09 51 00.A01	2 X 2 ACOUSTICAL CEILING TILE
09 51 00.C02	SHADOW MOLD WALL ANGLE



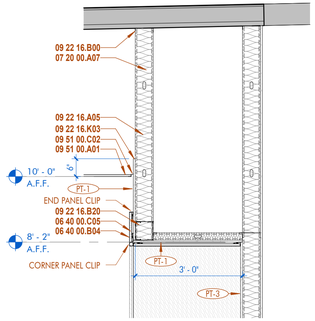
1 SOFFIT DETAIL 1
1/2" = 1'-0" DRAWN BY: JG



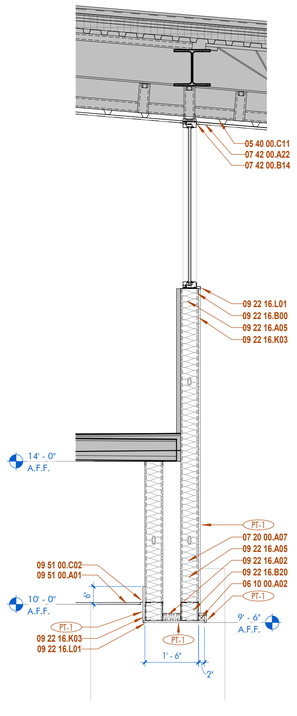
2 SOFFIT DETAIL 2
1/2" = 1'-0" DRAWN BY: JG



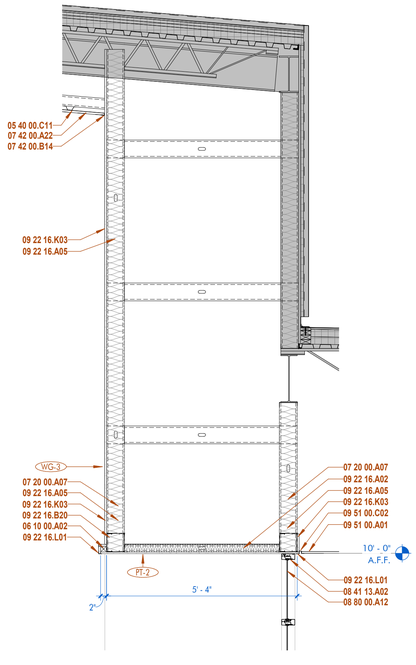
3 SOFFIT DETAIL 3
1/2" = 1'-0" DRAWN BY: JG



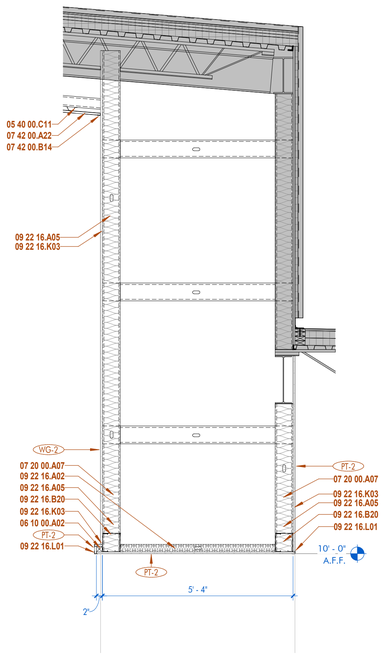
4 SOFFIT DETAIL 4
1/2" = 1'-0" DRAWN BY: JG



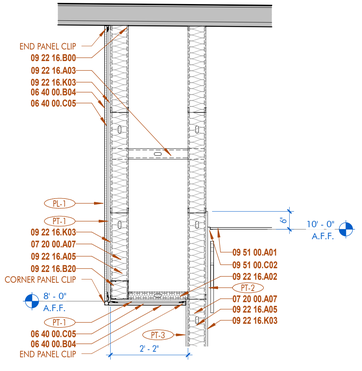
5 SOFFIT DETAIL 5
1/2" = 1'-0" DRAWN BY: JG



6 SOFFIT DETAIL 6
1/2" = 1'-0" DRAWN BY: JG



7 SOFFIT DETAIL 7
1/2" = 1'-0" DRAWN BY: JG



8 SOFFIT DETAIL 8
1/2" = 1'-0" DRAWN BY: JG

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

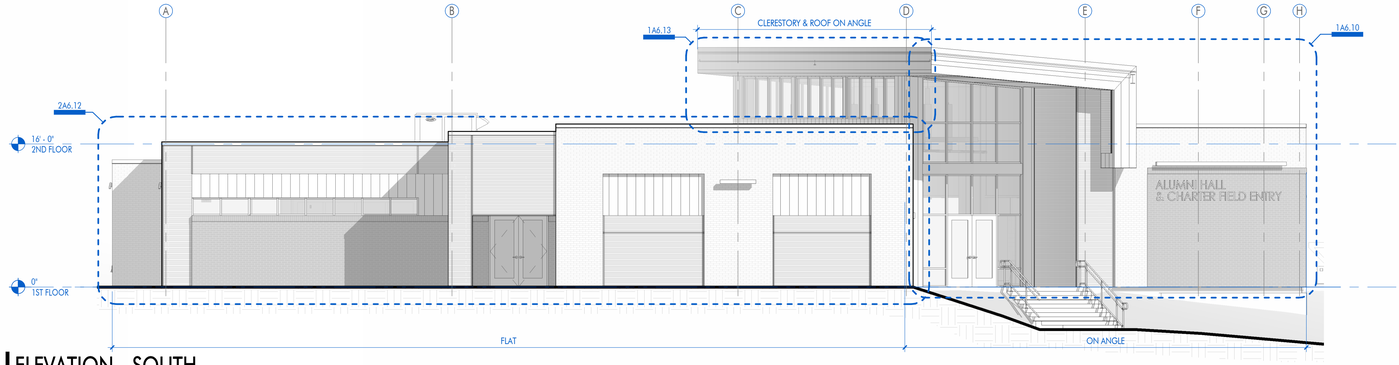
date 2026 AUGUST 28

director review

INTERIOR SOFFIT DETAILS

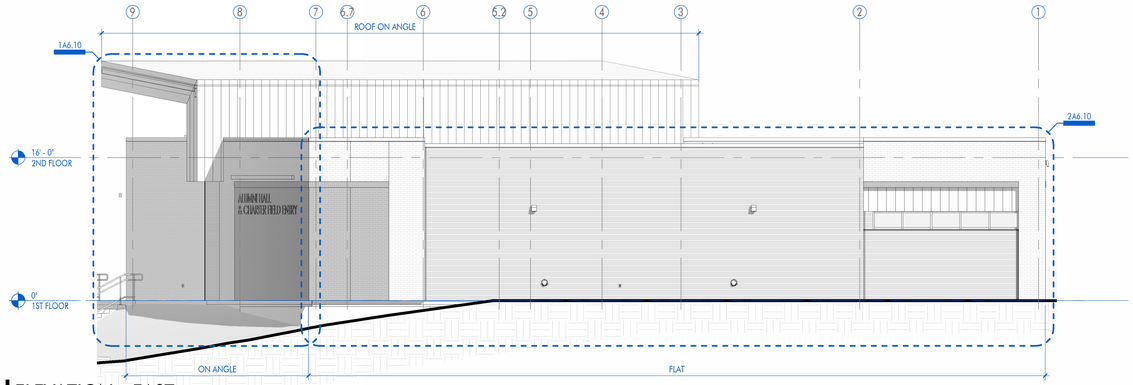
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2026 AUGUST 28



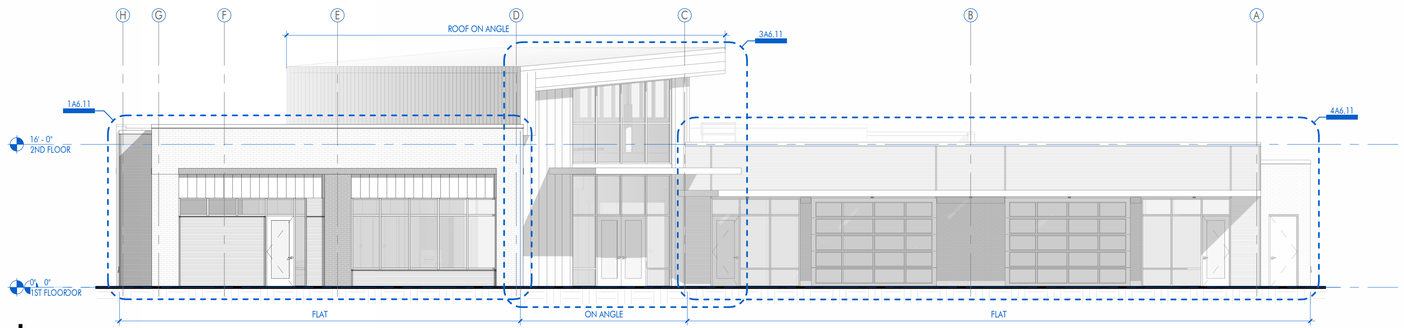
1 ELEVATION - SOUTH

1/8" = 1'-0" DRAWN BY: HP



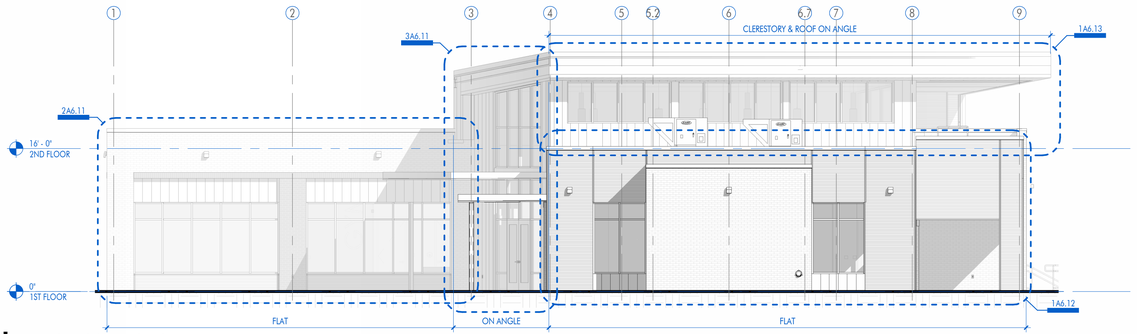
2 ELEVATION - EAST

1/8" = 1'-0" DRAWN BY: HP



3 ELEVATION - NORTH

1/8" = 1'-0" DRAWN BY: HP



4 ELEVATION - WEST

1/8" = 1'-0" DRAWN BY: HP

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REGISTRATION

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2026
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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS

ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

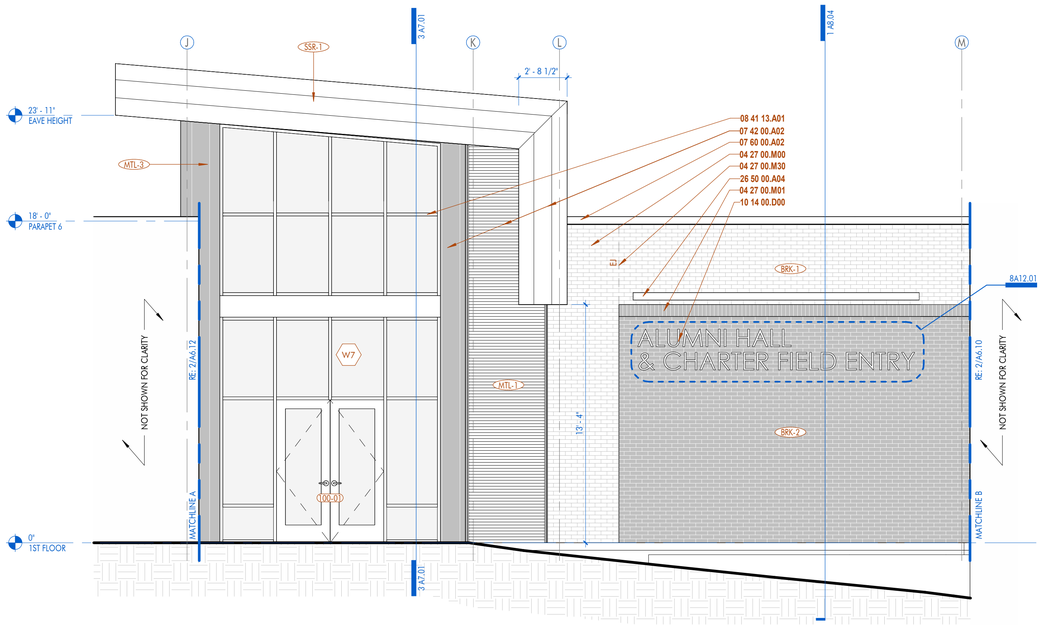
date 2026 AUGUST 28

director review

ELEVATIONS

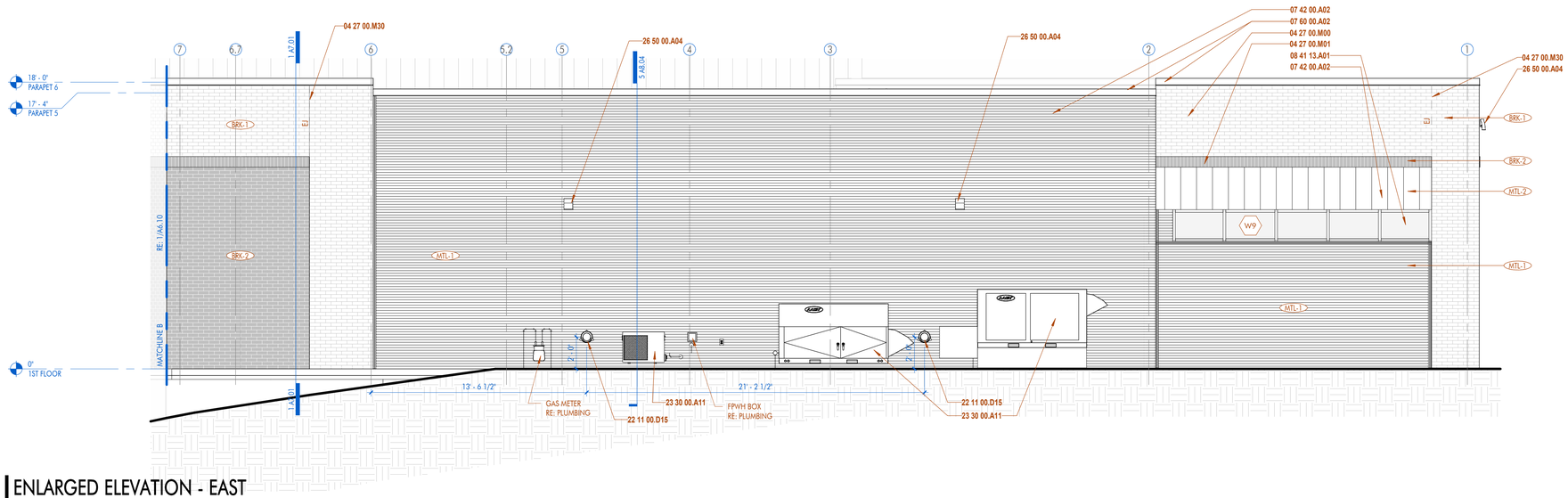
A6.01

2026 AUGUST 28



1 ENLARGED ELEVATION - SOUTH

1/4" = 1'-0" DRAWN BY: HP



2 ENLARGED ELEVATION - EAST

1/4" = 1'-0" DRAWN BY: HP

2026 AUGUST 28

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
04 27 00.M00	BRICK VENEER
04 27 00.M01	SOLDIER COURSE
04 27 00.M30	MASONRY EXPANSION JOINT
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 60 00.A02	PREFINISHED METAL CAP FLASHING
08 41 13.A01	PREFINISHED EXTERIOR ALUMINUM STOREFRONT
10 14 00.D00	EXTERIOR BUILDING SIGNAGE
22 11 00.D15	OVERFLOW DOWNSPOUT NOZZLE, RE: PLUMBING
23 30 00.A11	EXTERIOR CONDENSER UNIT; RE: MECHANICAL
26 50 00.A04	WALL MOUNTED FIXTURE; RE ELECTRICAL

ARCHITECT

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STATE OF ARKANSAS

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS

ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

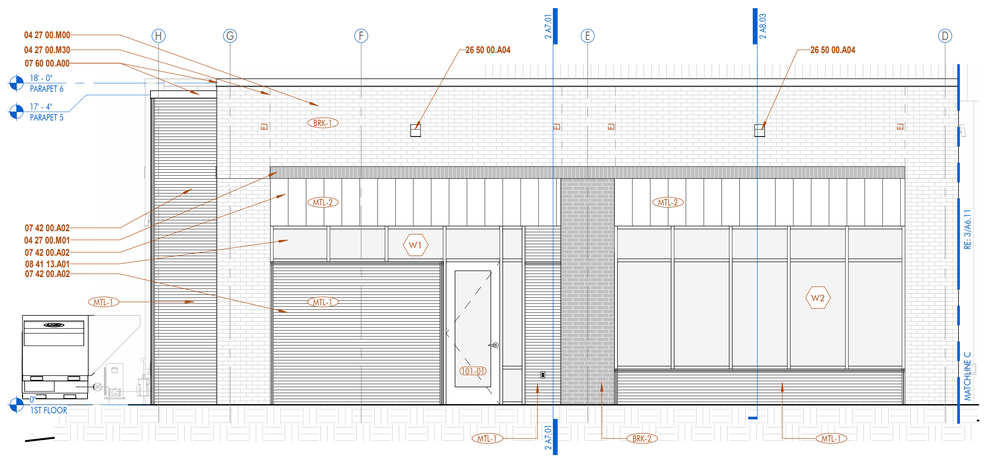
project # AR26-0001

date 2026 AUGUST 28

director review

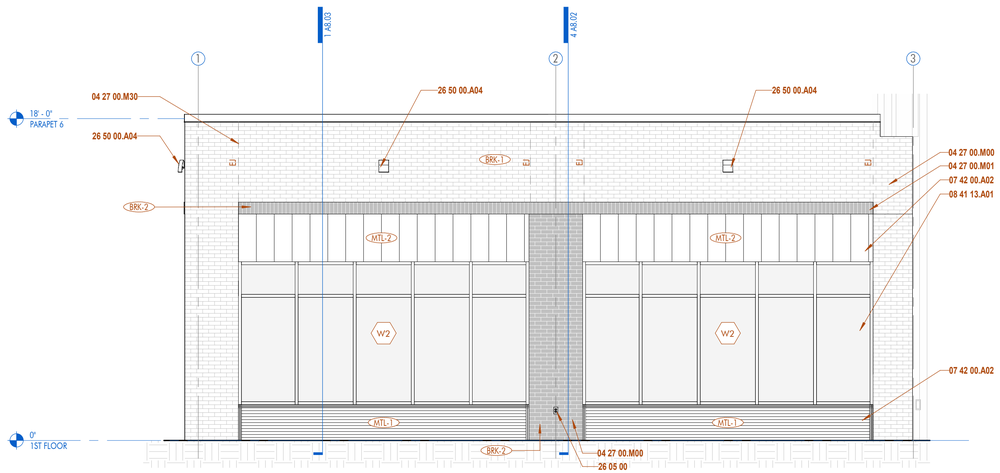
ENLARGED ELEVATIONS

A6.10



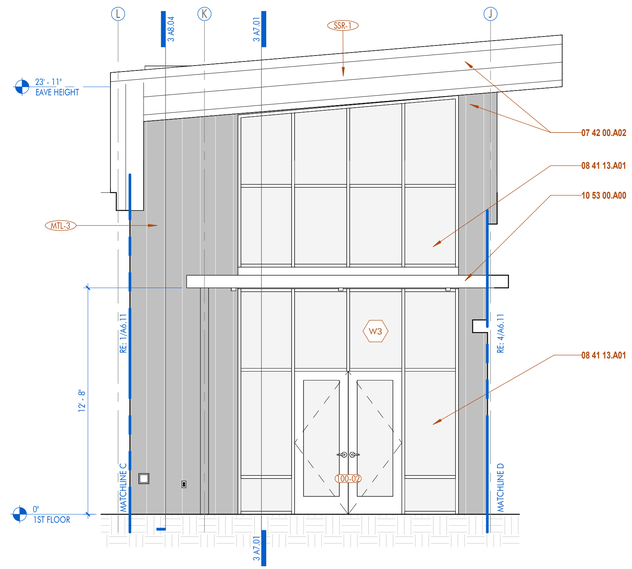
1 ENLARGED ELEVATION - NORTH

1/4" = 1'-0" DRAWN BY: HP



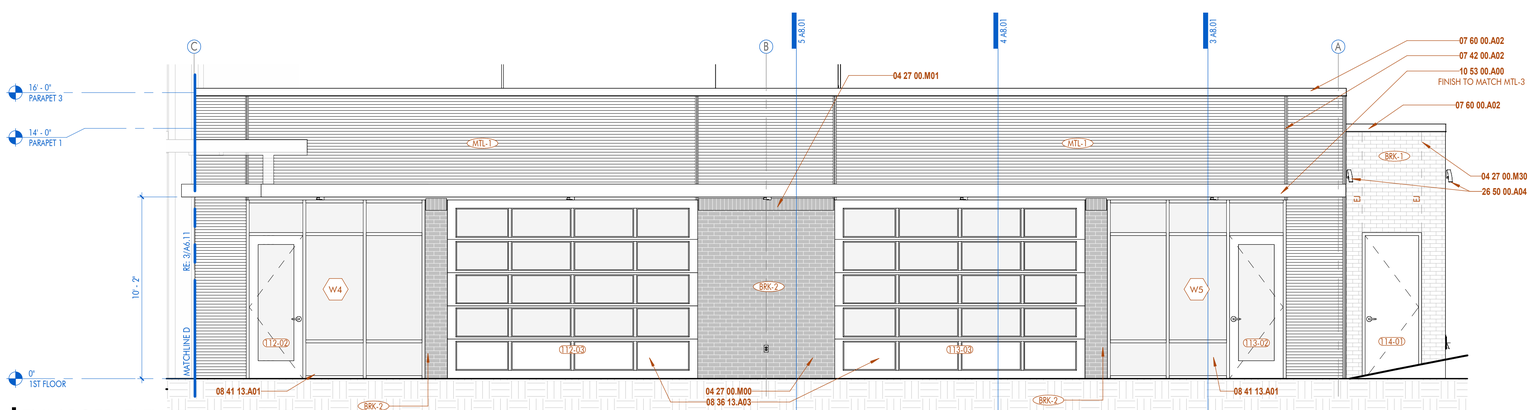
2 ENLARGED ELEVATION - WEST

1/4" = 1'-0" DRAWN BY: HP



3 ENLARGED ELEVATION - NORTH

1/4" = 1'-0" DRAWN BY: HP



4 ENLARGED ELEVATION - NORTH

1/4" = 1'-0" DRAWN BY: HP

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
04 27 00.M00	BRICK VENEER
04 27 00.M01	SOLDIER COURSE
04 27 00.M30	MASONRY EXPANSION JOINT
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 60 00.A00	PREFINISHED METAL FLASHING
07 60 00.A02	PREFINISHED METAL CAP FLASHING
08 36 13.A03	PREFINISHED SECTIONAL OVERHEAD PANEL ROLL-UP DOOR
08 41 13.A01	PREFINISHED EXTERIOR ALUMINUM STOREFRONT
10 53 00.A00	PREFABRICATED METAL CANOPY SYSTEM WITH INTERNAL DRAINAGE
26 05 00	ELECTRICAL GENERAL
26 50 00.A04	WALL MOUNTED FIXTURE; RE ELECTRICAL

ARCHITECT

DOMAIN ARCHITECTURE

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REGISTRATION

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MICHAEL K. BUTTRICK
2010.0106
STATE OF ARKANSAS

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS

ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

date 2026 AUGUST 28

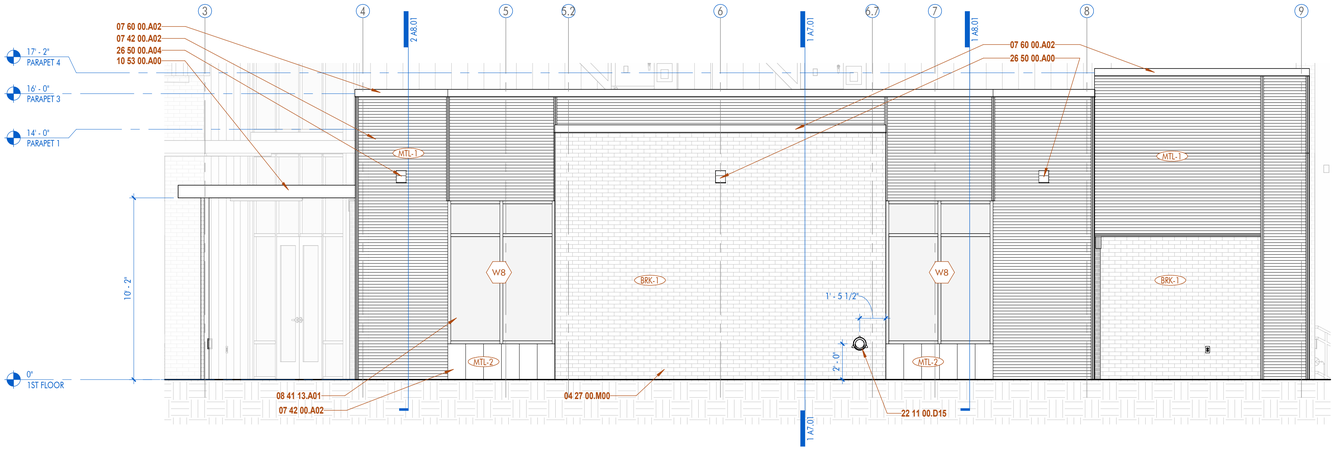
director review

ENLARGED ELEVATIONS

A6.11

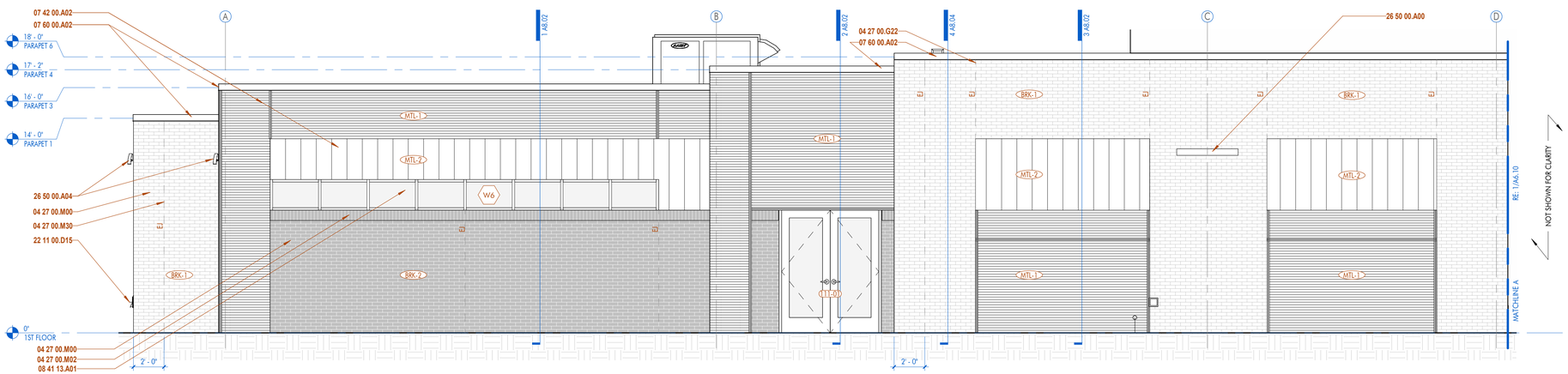
2026 AUGUST 28

SHEET KEYNOTE LIST	
SPEC NUMBER	**KEYNOTE DESCRIPTION**
04 27 00.G22	EXPANSION / CONTROL JOINT
04 27 00.M00	BRICK VENEER
04 27 00.M02	SOLDIER SILL COURSE
04 27 00.M30	MASONRY EXPANSION JOINT
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 60 00.A02	PREFINISHED METAL CAP FLASHING
08 41 13.A01	PREFINISHED EXTERIOR ALUMINUM STOREFRONT
10 53 00.A00	PREFABRICATED METAL CANOPY SYSTEM WITH INTERNAL DRAINAGE
22 11 00.D15	OVERFLOW DOWNSPOUT NOZZLE, RE: PLUMBING
26 50 00.A00	LIGHT FIXTURE; RE ELECTRICAL
26 50 00.A04	WALL MOUNTED FIXTURE; RE ELECTRICAL



1 ENLARGED ELEVATION - WEST

1/4" = 1'-0" DRAWN BY: HP



2 ENLARGED ELEVATION - SOUTH

1/4" = 1'-0" DRAWN BY: HP

2026 AUGUST 28

ARCHITECT

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REGISTRATION

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STATE OF ARKANSAS

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

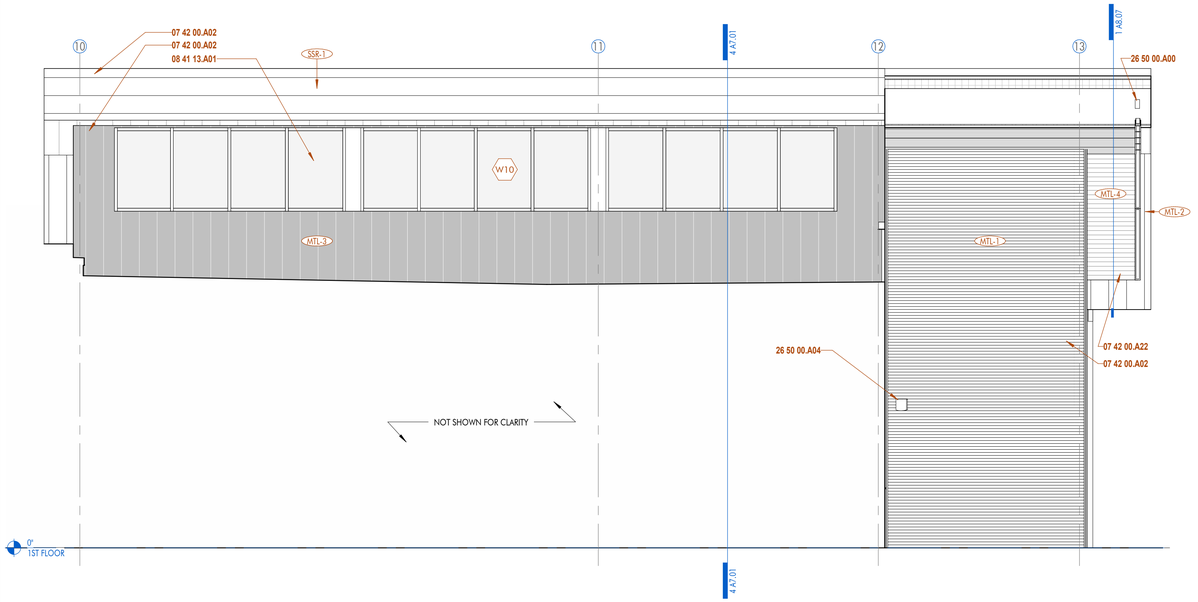
project # AR26-0001

date 2026 AUGUST 28

director review

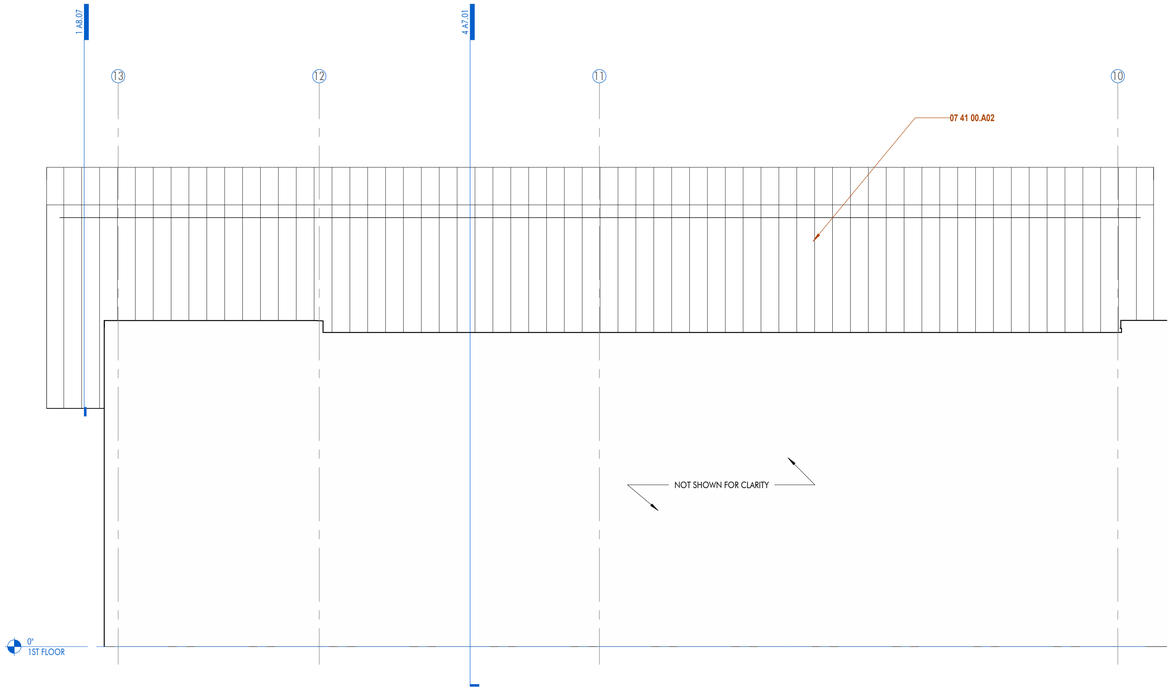
ENLARGED ELEVATIONS

A6.12



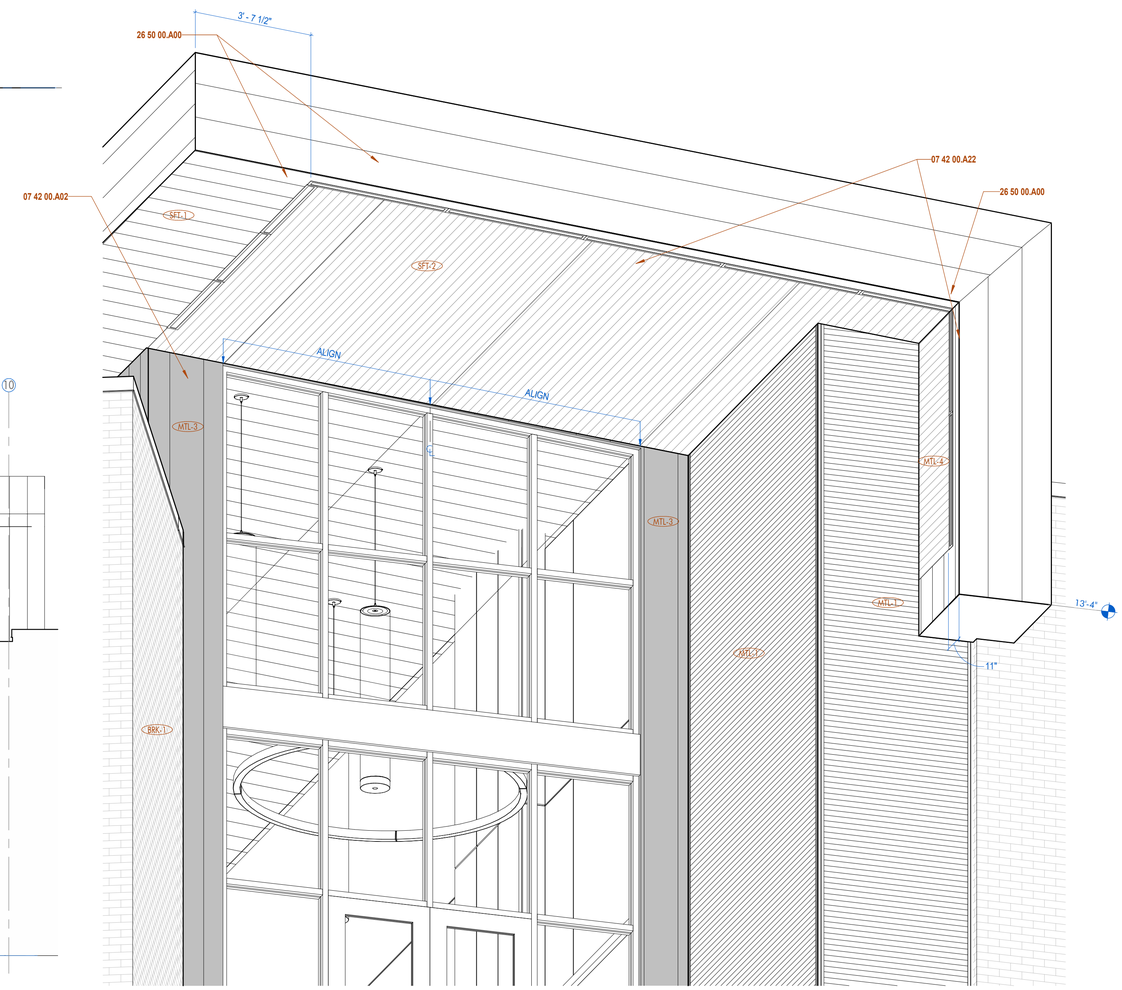
1 ENLARGED ELEVATION - SOUTH CLERESTORY

1/4" = 1'-0" DRAWN BY: HP



2 ENLARGED ELEVATION - NORTH ROOF

1/4" = 1'-0" DRAWN BY: BS



3 3D VIEW - SOUTH PORCH

DRAWN BY: BS

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
07 41 00.A02	PREFINISHED STANDING SEAM METAL ROOF
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 00.A22	PREFINISHED CONCEALED FASTENER METAL CEILING PANEL
08 41 13.A01	PREFINISHED EXTERIOR ALUMINUM STOREFRONT
26 50 00.A00	LIGHT FIXTURE; RE ELECTRICAL
26 50 00.A04	WALL MOUNTED FIXTURE; RE ELECTRICAL

ARCHITECT

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REGISTRATION

REGISTERED ARCHITECT
MICHAEL K. BUTTRICK
STATE OF ARKANSAS

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS

ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

date 2026 AUGUST 28

director review

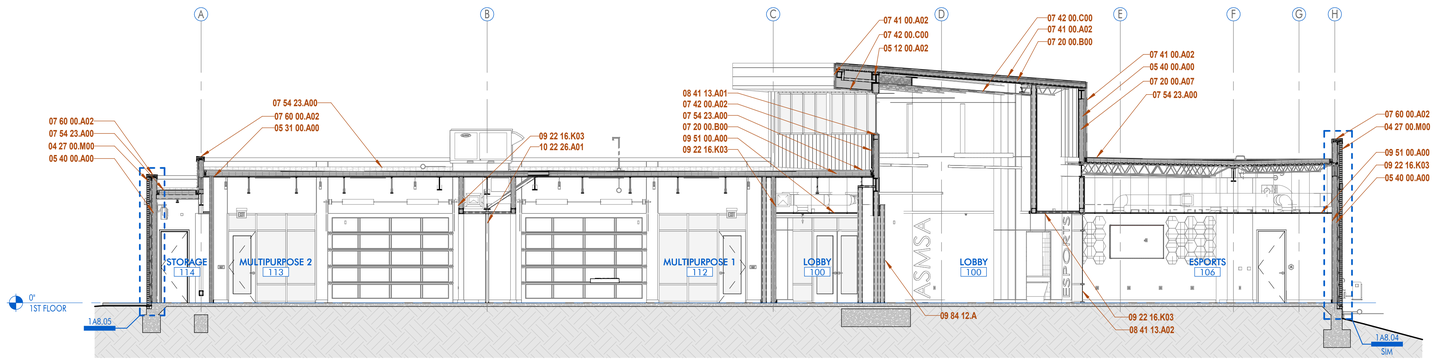
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A6.13

2026 AUGUST 28

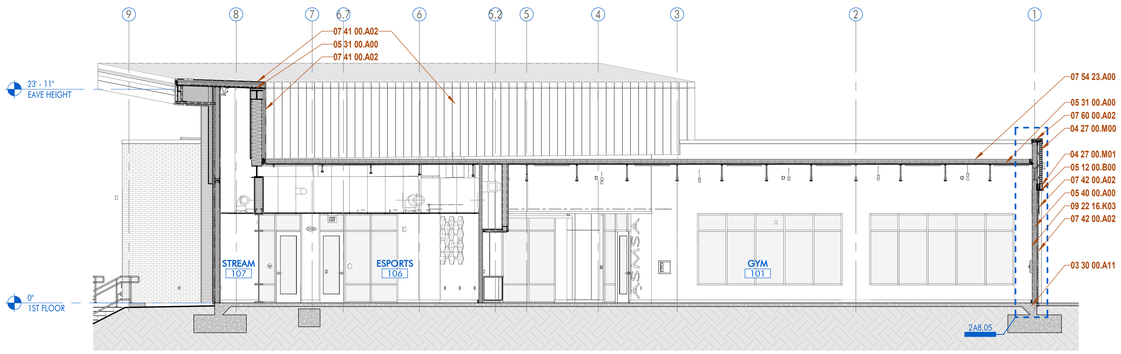
SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
03 30 00.A11	CAST-IN-PLACE CONCRETE SLAB; RE: STRUCTURAL
04 27 00.M00	BRICK VENEER
04 27 00.M01	SOLDIER COURSE
05 12 00.A02	STEEL BEAM; RE: STRUCTURAL
05 12 00.A06	STEEL TUBE; RE: STRUCTURAL
05 12 00.B00	STEEL ANGLE; RE: STRUCTURAL
05 31 00.A00	STEEL ROOF DECKING; RE: STRUCTURAL
05 40 00.A00	METAL STUD FRAMING
05 51 33.A00	INCLINED METAL SHIP LADDER TO ROOF
07 20 00.A07	BATT INSULATION- FILL CAVITY COMPLETELY
07 20 00.B00	RIGID INSULATION
07 41 00.A02	PREFINISHED STANDING SEAM METAL ROOF
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 00.C00	PREFINISHED METAL SOFFIT PANEL
07 54 23.A00	REINFORCED TPO ROOF MEMBRANE SYSTEM
07 60 00.A02	PREFINISHED METAL CAP FLASHING
08 41 13.A01	PREFINISHED EXTERIOR ALUMINUM STOREFRONT
08 41 13.A02	PREFINISHED INTERIOR ALUMINUM STOREFRONT
09 22 16.K03	5/8" GYPSUM WALLBOARD
09 51 00.A00	ACOUSTICAL CEILING TILE & GRID
09 84 12.A	ACOUSTICAL SOUND-ABSORPTIVE PANELS
10 22 26.A01	OPERABLE ACOUSTICAL PANEL SYSTEM
10 53 00.A00	PREFABRICATED METAL CANOPY SYSTEM WITH INTERNAL DRAINAGE



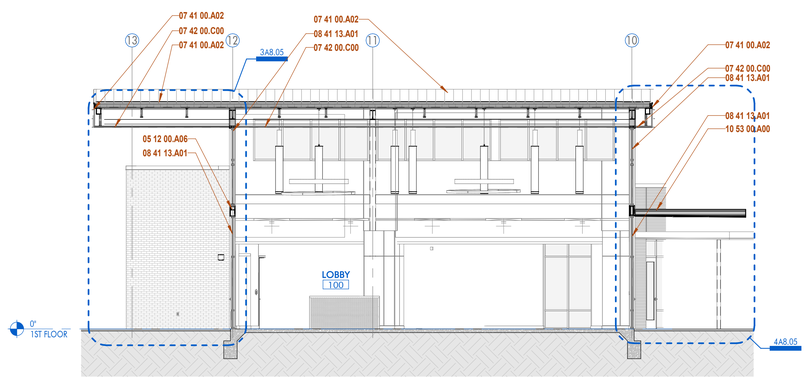
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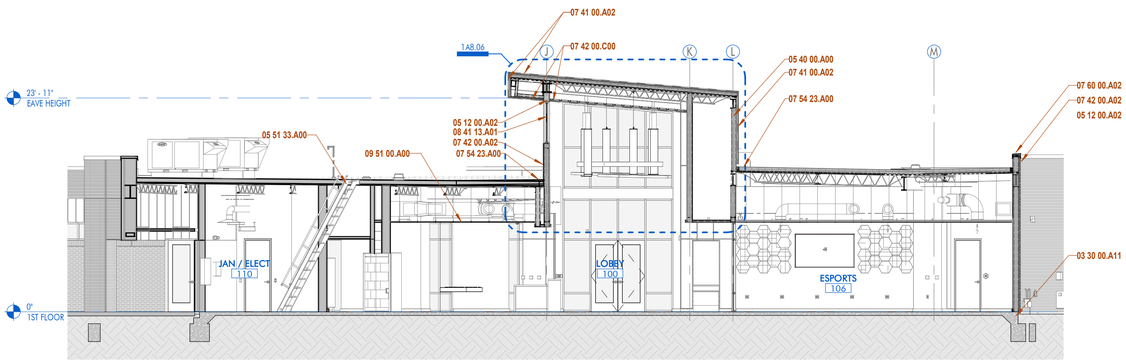
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3 BUILDING SECTION - CLERESTORY LONG

1/8" = 1'-0" DRAWN BY: HP



4 BUILDING SECTION - CLERESTORY TRANSVERSE

1/8" = 1'-0" DRAWN BY: HP

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REGISTRATION

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No. 10246
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ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

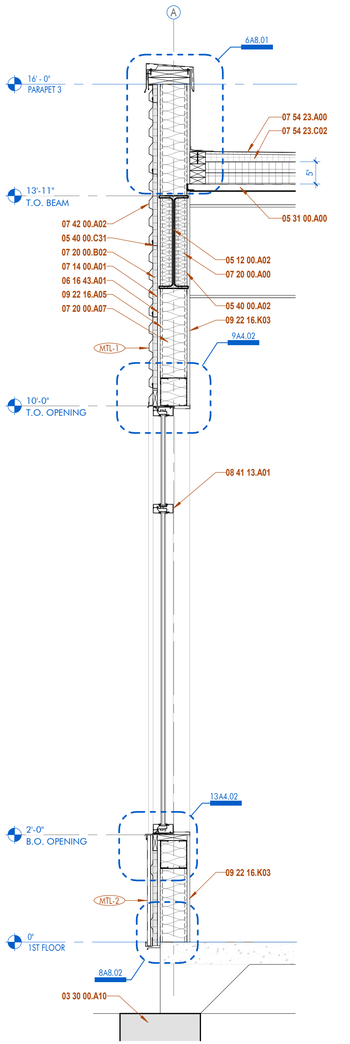
date 2026 AUGUST 28

director review

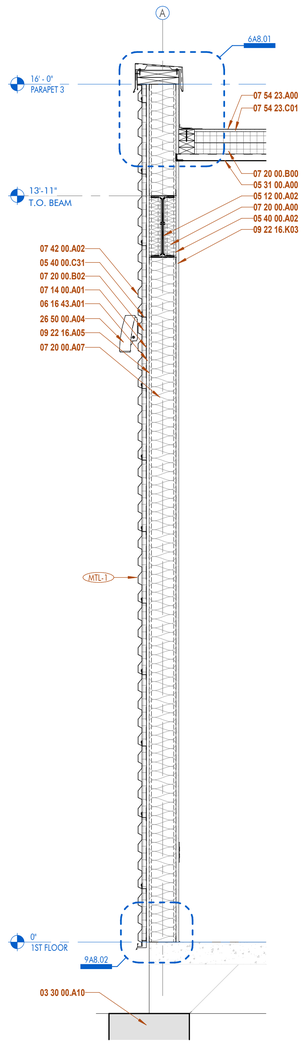
BUILDING SECTIONS

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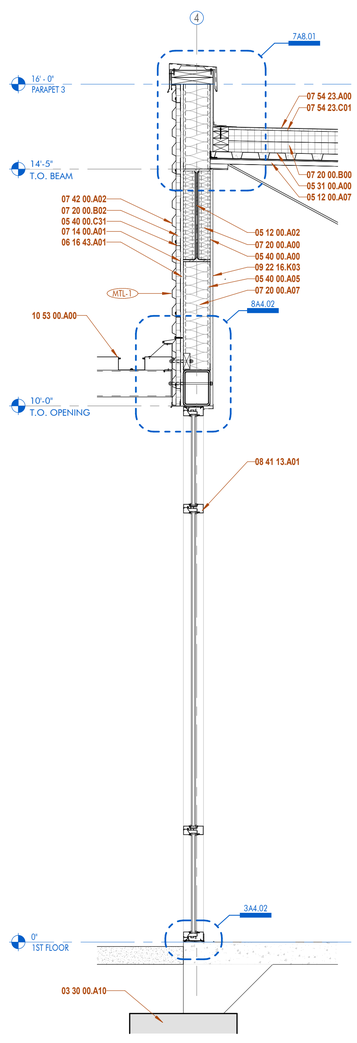
2026 AUGUST 28



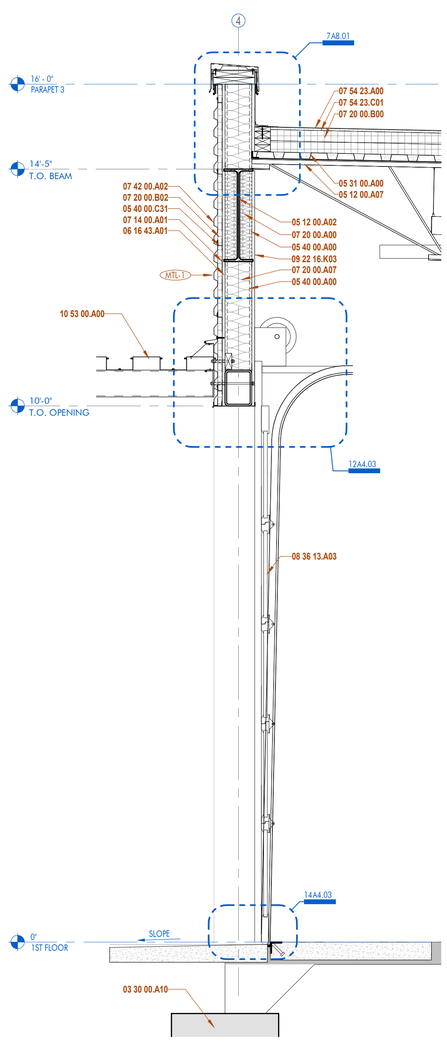
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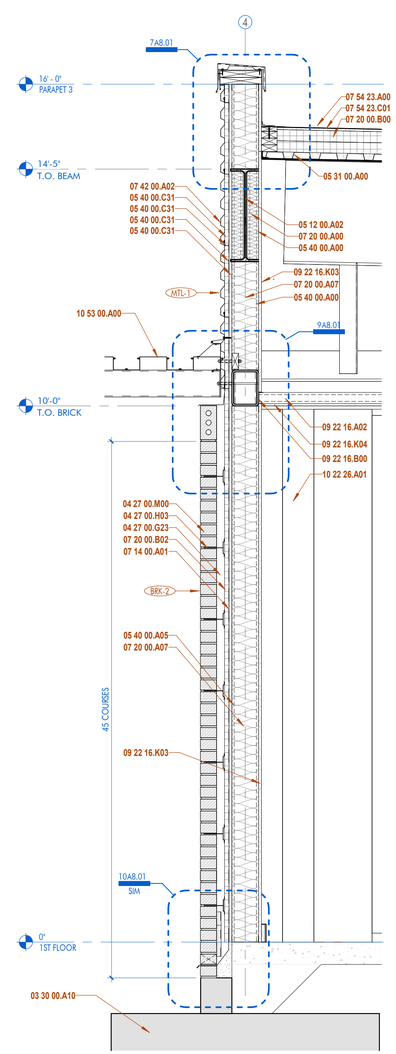
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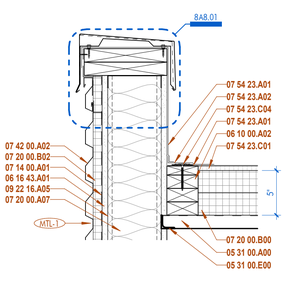
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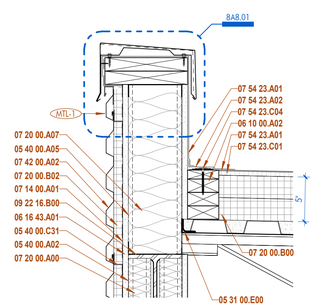
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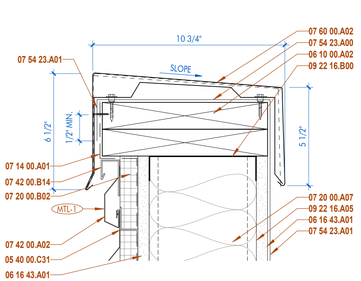
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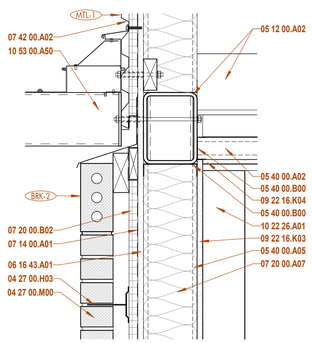
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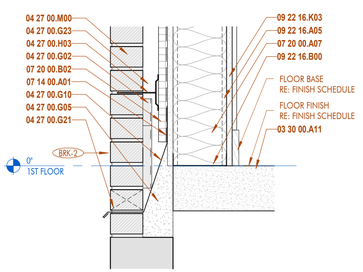
7 SECTION DETAIL
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8 SECTION DETAIL
3" = 1'-0" DRAWN BY: HP



9 SECTION DETAIL
1 1/2" = 1'-0" DRAWN BY: HP



10 SECTION DETAIL
1 1/2" = 1'-0" DRAWN BY: HP

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
03 30 00.A10	CAST-IN-PLACE CONCRETE FOOTING; RE: STRUCTURAL
03 30 00.A11	CAST-IN-PLACE CONCRETE SLAB; RE: STRUCTURAL
04 27 00.G02	MORTAR NET
04 27 00.G05	FILL CAVITY AT BOTTOM OF WALL UNDER FLASHING FULL WITH MORTAR
04 27 00.G10	COPPER FABRIC FLASHING
04 27 00.G21	WEEP HOLES @ 24" O.C.; OMIT MORTAR
04 27 00.G23	AIR GAP
04 27 00.H03	TWO-PIECE MASONRY VENEER BRICK-TIES @ 16" O.C.
04 27 00.M00	BRICK VENEER
05 12 00.A02	STEEL BEAM; RE STRUCTURAL
05 12 00.A07	STEEL BAR JOIST; RE STRUCTURAL
05 31 00.A00	STEEL ROOF DECKING; RE: STRUCTURAL
05 31 00.E00	STEEL ROOF DECKING POUR STOP
05 40 00.A00	METAL STUD FRAMING
05 40 00.A02	2-1/2" METAL STUDS
05 40 00.A05	6" METAL STUDS
05 40 00.B00	STEEL STUD TRACK; MATCH STUD SIZE
05 40 00.C31	1" Z-FURRING CHANNEL
06 10 00.A02	TREATED WOOD BLOCKING
06 16 43.A01	5/8" EXTERIOR GYPSUM SHEATHING BOARD
07 14 00.A01	FLUID-APPLIED AIR-INFILTRATION BARRIER AND WATERPROOFING
07 20 00.A00	BATT INSULATION
07 20 00.A07	BATT INSULATION- FILL CAVITY COMPLETELY
07 20 00.B00	RIGID INSULATION
07 20 00.B02	1" RIGID INSULATION
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 00.B14	PREFINISHED METAL J-TRIM CLOSURE
07 54 23.A00	REINFORCED TPO ROOF MEMBRANE SYSTEM
07 54 23.A01	REINFORCED TPO ROOF MEMBRANE
07 54 23.A02	REINFORCED 6" WIDE TPO MEMBRANE FLASHING STRIP
07 54 23.C01	COVER BOARD
07 54 23.C02	TAPERED RIGID INSULATION
07 54 23.C04	MFG APPROVED FASTENERS & PLATES 12" O.C. MAX
07 60 00.A02	PREFINISHED METAL CAP FLASHING
08 36 13.A03	PREFINISHED SECTIONAL OVERHEAD PANEL ROLL-UP DOOR
08 41 13.A01	PREFINISHED EXTERIOR ALUMINUM STOREFRONT
09 22 16.A02	2-1/2" METAL STUDS
09 22 16.A05	6" METAL STUDS
09 22 16.B00	STEEL STUD TRACK; MATCH STUD SIZE
09 22 16.K03	5/8" GYPSUM WALLBOARD
09 22 16.K04	1/2" GYPSUM CEILING BOARD
10 22 26.A01	OPERABLE ACOUSTICAL PANEL SYSTEM
10 53 00.A00	PREFABRICATED METAL CANOPY SYSTEM WITH INTERNAL DRAINAGE
10 53 00.A50	PREFINISHED ALUMINUM CANOPY ANCHORED TO WALL
26 50 00.A04	WALL MOUNTED FIXTURE; RE ELECTRICAL

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(TBD) ALUMNI LANE
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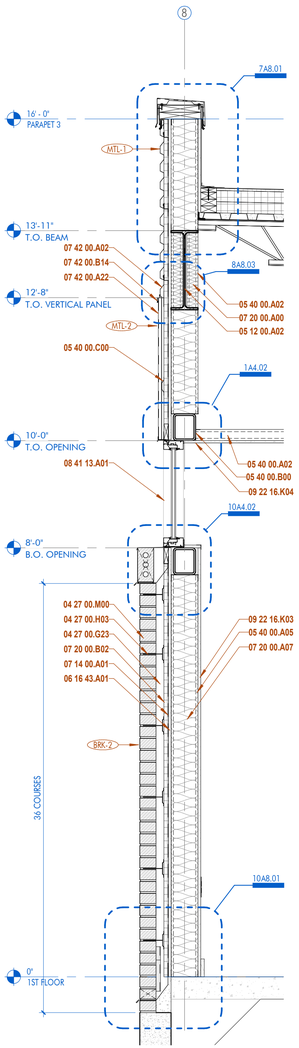
revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

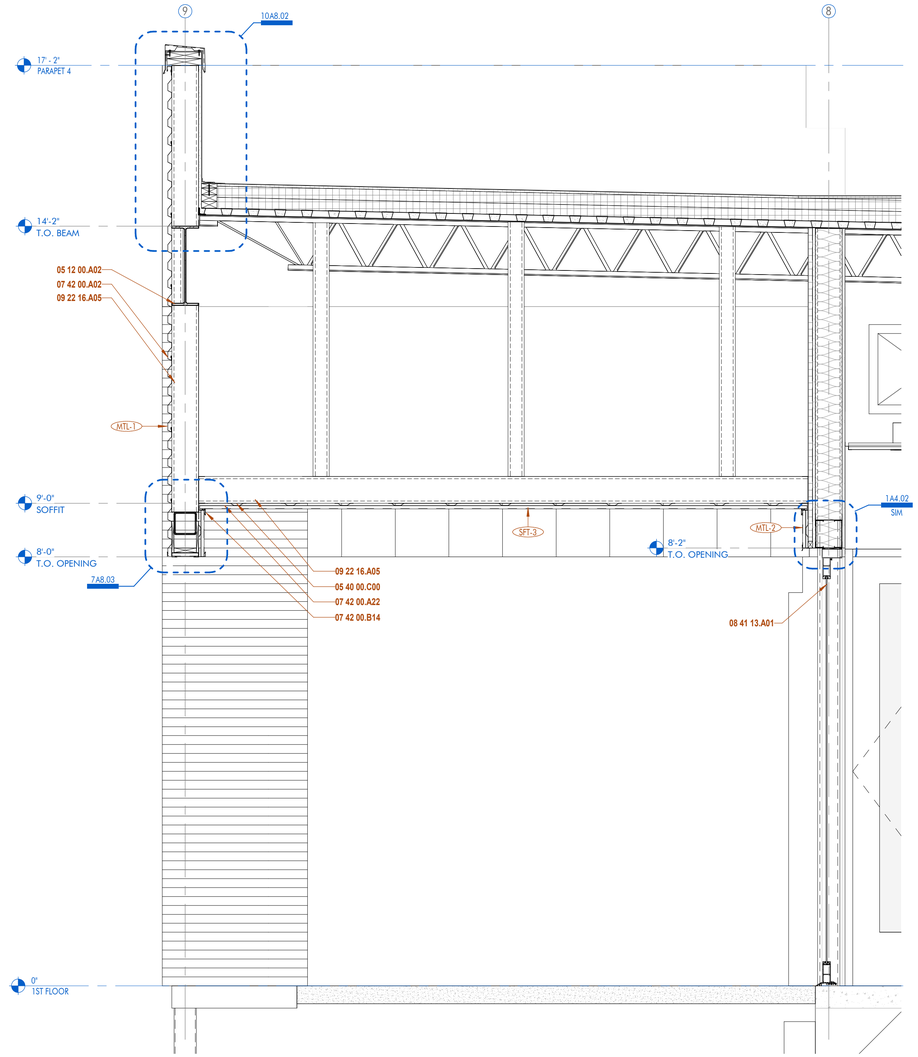
WALL SECTIONS

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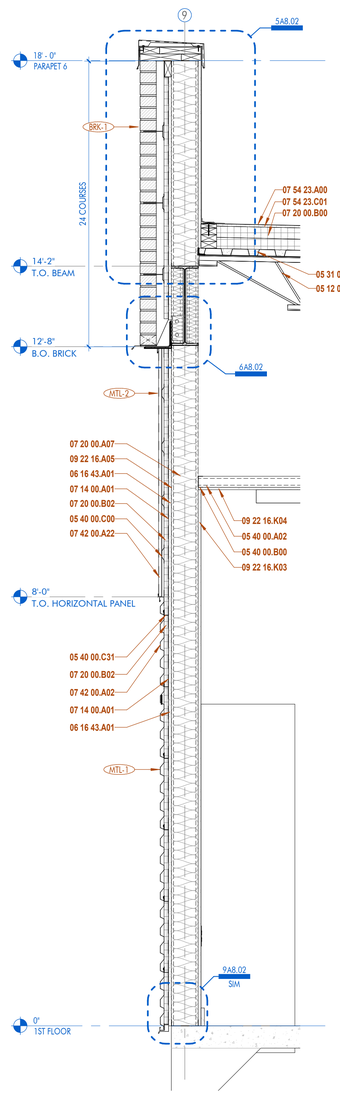
2026 AUGUST 28



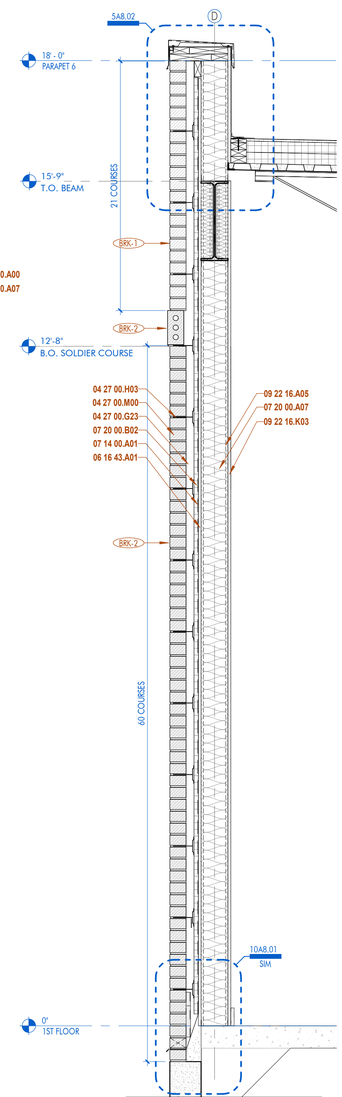
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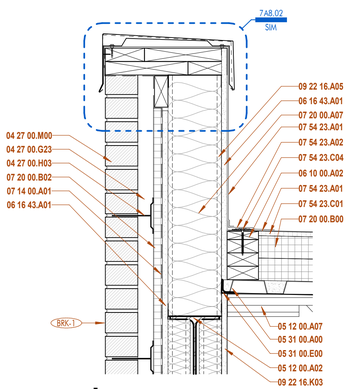
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3/4" = 1'-0" DRAWN BY: HP



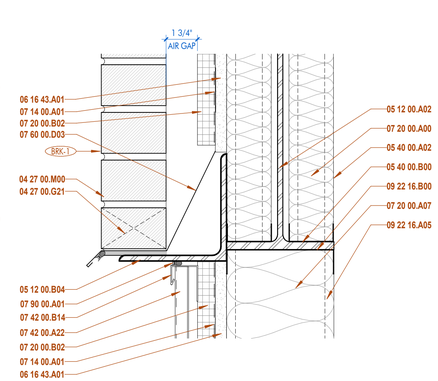
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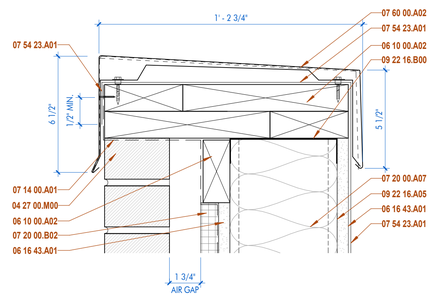
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3/4" = 1'-0" DRAWN BY: HP



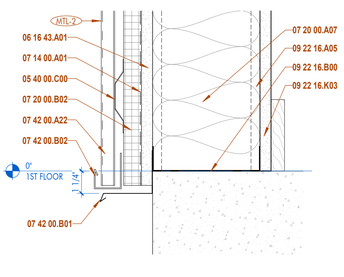
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1 1/2" = 1'-0" DRAWN BY: HP



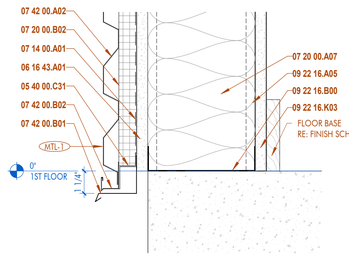
6 SECTION DETAIL
3" = 1'-0" DRAWN BY: HP



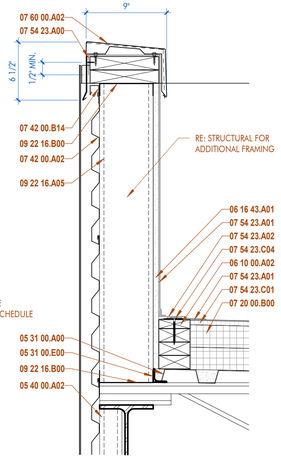
7 SECTION DETAIL
3" = 1'-0" DRAWN BY: HP



8 SECTION DETAIL
3" = 1'-0" DRAWN BY: HP



9 SECTION DETAIL
3" = 1'-0" DRAWN BY: HP



10 SECTION DETAIL
1 1/2" = 1'-0" DRAWN BY: HP

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
04 27 00.G21	WEEP HOLES @ 24" O.C.; OMIT MORTAR
04 27 00.G23	AIR GAP
04 27 00.H03	TWO-PIECE MASONRY VENEER BRICK-TIES @ 16" O.C.
04 27 00.M00	BRICK VENEER
05 12 00.A02	STEEL BEAM; RE STRUCTURAL
05 12 00.A07	STEEL BAR JOIST; RE STRUCTURAL
05 12 00.B04	STEEL ANGLE, 6 X 6
05 31 00.A00	STEEL ROOF DECKING; RE: STRUCTURAL
05 31 00.E00	STEEL ROOF DECKING POUR STOP
05 40 00.A02	2-1/2" METAL STUDS
05 40 00.A05	6" METAL STUDS
05 40 00.B00	STEEL STUD TRACK; MATCH STUD SIZE
05 40 00.C00	FURRING CHANNEL
05 40 00.C31	1" Z-FURRING CHANNEL
06 10 00.A02	TREATED WOOD BLOCKING
06 16 43.A01	5/8" EXTERIOR GYPSUM SHEATHING BOARD
07 14 00.A01	FLUID-APPLIED AIR-INFILTRATION BARRIER AND WATERPROOFING
07 20 00.A00	BATT INSULATION
07 20 00.A07	BATT INSULATION- FILL CAVITY COMPLETELY
07 20 00.B00	RIGID INSULATION
07 20 00.B02	1" RIGID INSULATION
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 00.A22	PREFINISHED CONCEALED FASTENER METAL CEILING PANEL
07 42 00.B01	PREFINISHED METAL FLASHING
07 42 00.B02	PREFINISHED METAL WALL PANEL BASE TRIM
07 42 00.B14	PREFINISHED METAL J-TRIM CLOSURE
07 54 23.A00	REINFORCED TPO ROOF MEMBRANE SYSTEM
07 54 23.A01	REINFORCED TPO ROOF MEMBRANE
07 54 23.A02	REINFORCED 6" WIDE TPO MEMBRANE FLASHING STRIP
07 54 23.C01	COVER BOARD
07 54 23.C04	MFG APPROVED FASTENERS & PLATES 12" O.C. MAX
07 60 00.A02	PREFINISHED METAL CAP FLASHING
07 60 00.D03	PREFINISHED ALUMINUM THROUGH WALL FLASHING
07 90 00.A01	BACKER ROD & SEALANT
08 41 13.A01	PREFINISHED EXTERIOR ALUMINUM STOREFRONT
09 22 16.A05	6" METAL STUDS
09 22 16.B00	STEEL STUD TRACK; MATCH STUD SIZE
09 22 16.K03	5/8" GYPSUM WALLBOARD
09 22 16.K04	1/2" GYPSUM CEILING BOARD

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HOT SPRINGS, AR 71901

PROJECT INFORMATION

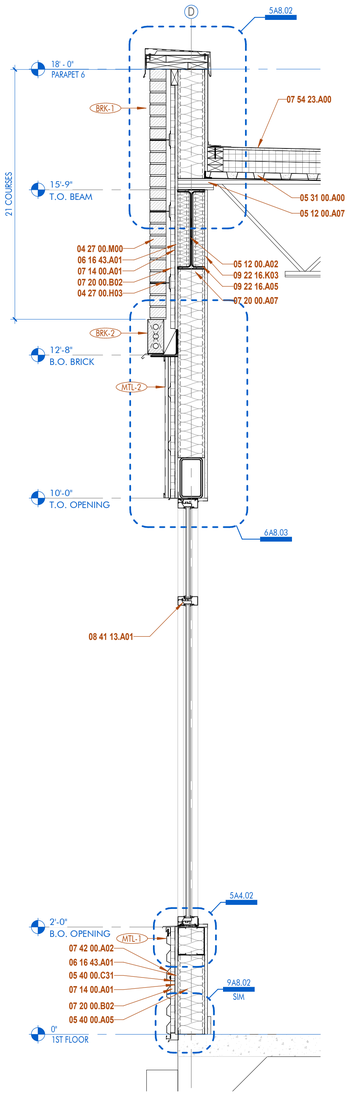
revisions No.	Description	Date

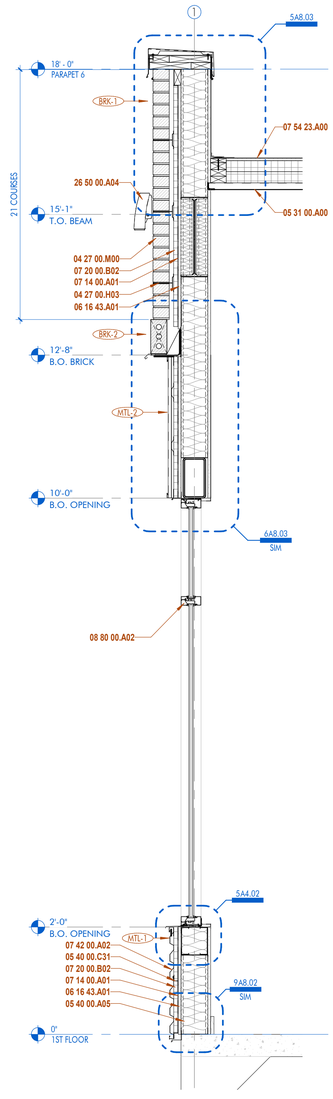
project # AR26-0001
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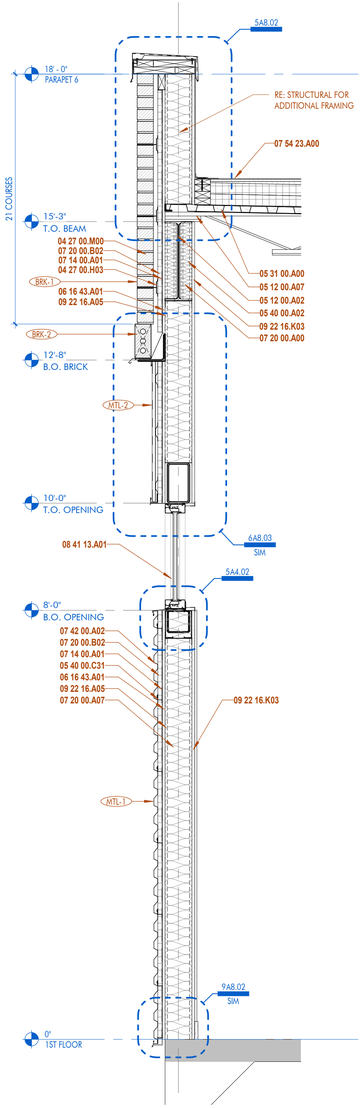
WALL SECTIONS

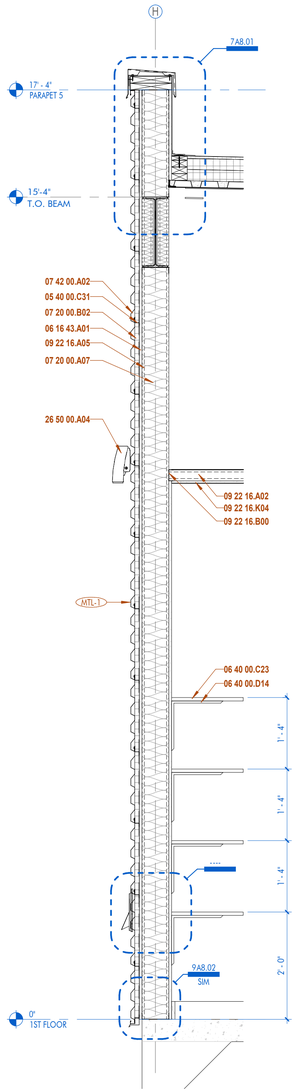
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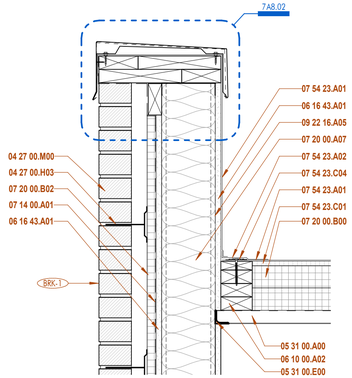
2026 AUGUST 28



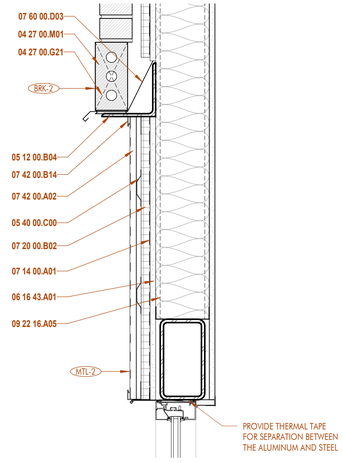




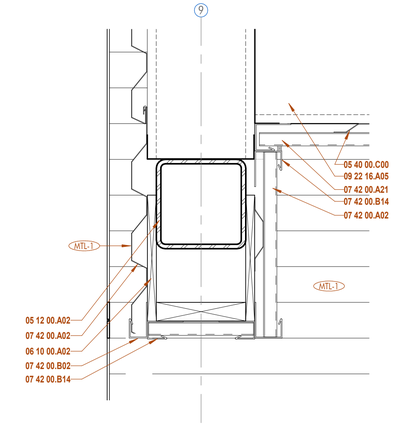




5 | SECTION DETAIL
1 1/2" = 1'-0" DRAWN BY: HP



6 | SECTION DETAIL
1 1/2" = 1'-0" DRAWN BY: HP



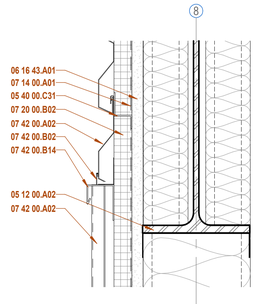
7 | SECTION DETAIL
3" = 1'-0" DRAWN BY: BS

1 | WALL SECTION
3/4" = 1'-0" DRAWN BY: HP

2 | WALL SECTION
3/4" = 1'-0" DRAWN BY: HP

3 | WALL SECTION
3/4" = 1'-0" DRAWN BY: HP

4 | WALL SECTION
3/4" = 1'-0" DRAWN BY: HP



8 | SECTION DETAIL
3" = 1'-0" DRAWN BY: BS

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
04 27 00.G21	WEEP HOLES @ 24" O.C.; OMIT MORTAR
04 27 00.H03	TWO-PIECE MASONRY VENEER BRICK-TIES @ 16" O.C.
04 27 00.M00	BRICK VENEER
04 27 00.M01	SOLDIER COURSE
05 12 00.A02	STEEL BEAM; RE STRUCTURAL
05 12 00.A07	STEEL BAR JOIST; RE STRUCTURAL
05 12 00.B04	STEEL ANGLE, 6 X 6
05 31 00.A00	STEEL ROOF DECKING; RE: STRUCTURAL
05 31 00.E00	STEEL ROOF DECKING POUR STOP
05 40 00.A02	2-1/2" METAL STUDS
05 40 00.A05	6" METAL STUDS
05 40 00.C00	FURRING CHANNEL
05 40 00.C31	1" Z-FURRING CHANNEL
06 10 00.A02	TREATED WOOD BLOCKING
06 16 43.A01	5/8" EXTERIOR GYPSUM SHEATHING BOARD
06 40 00.C23	3/4" PLYWOOD SHELF WITH EDGE BANDS
06 40 00.D14	METAL SHELF BRACKET
07 14 00.A01	FLUID-APPLIED AIR-INFILTRATION BARRIER AND WATERPROOFING
07 20 00.A00	BATT INSULATION
07 20 00.A07	BATT INSULATION- FILL CAVITY COMPLETELY
07 20 00.B00	RIGID INSULATION
07 20 00.B02	1" RIGID INSULATION
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 00.A21	PREFINISHED EXPOSED FASTENER METAL CEILING PANEL
07 42 00.B02	PREFINISHED METAL WALL PANEL BASE TRIM
07 42 00.B14	PREFINISHED METAL J-TRIM CLOSURE
07 54 23.A00	REINFORCED TPO ROOF MEMBRANE SYSTEM
07 54 23.A01	REINFORCED TPO ROOF MEMBRANE
07 54 23.A02	REINFORCED 6" WIDE TPO MEMBRANE FLASHING STRIP
07 54 23.C01	COVER BOARD
07 54 23.C04	MFG APPROVED FASTENERS & PLATES 12" O.C. MAX
07 60 00.D03	PREFINISHED ALUMINUM THROUGH WALL FLASHING
08 41 13.A01	PREFINISHED EXTERIOR ALUMINUM STOREFRONT
08 80 00.A02	1" CLEAR INSULATED GLASS
09 22 16.A02	2-1/2" METAL STUDS
09 22 16.A05	6" METAL STUDS
09 22 16.B00	STEEL STUD TRACK; MATCH STUD SIZE
09 22 16.K03	5/8" GYPSUM WALLBOARD
09 22 16.K04	1/2" GYPSUM CEILING BOARD
26 50 00.A04	WALL MOUNTED FIXTURE; RE ELECTRICAL

ARCHITECT
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www.domainfor.com

REGISTRATION



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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

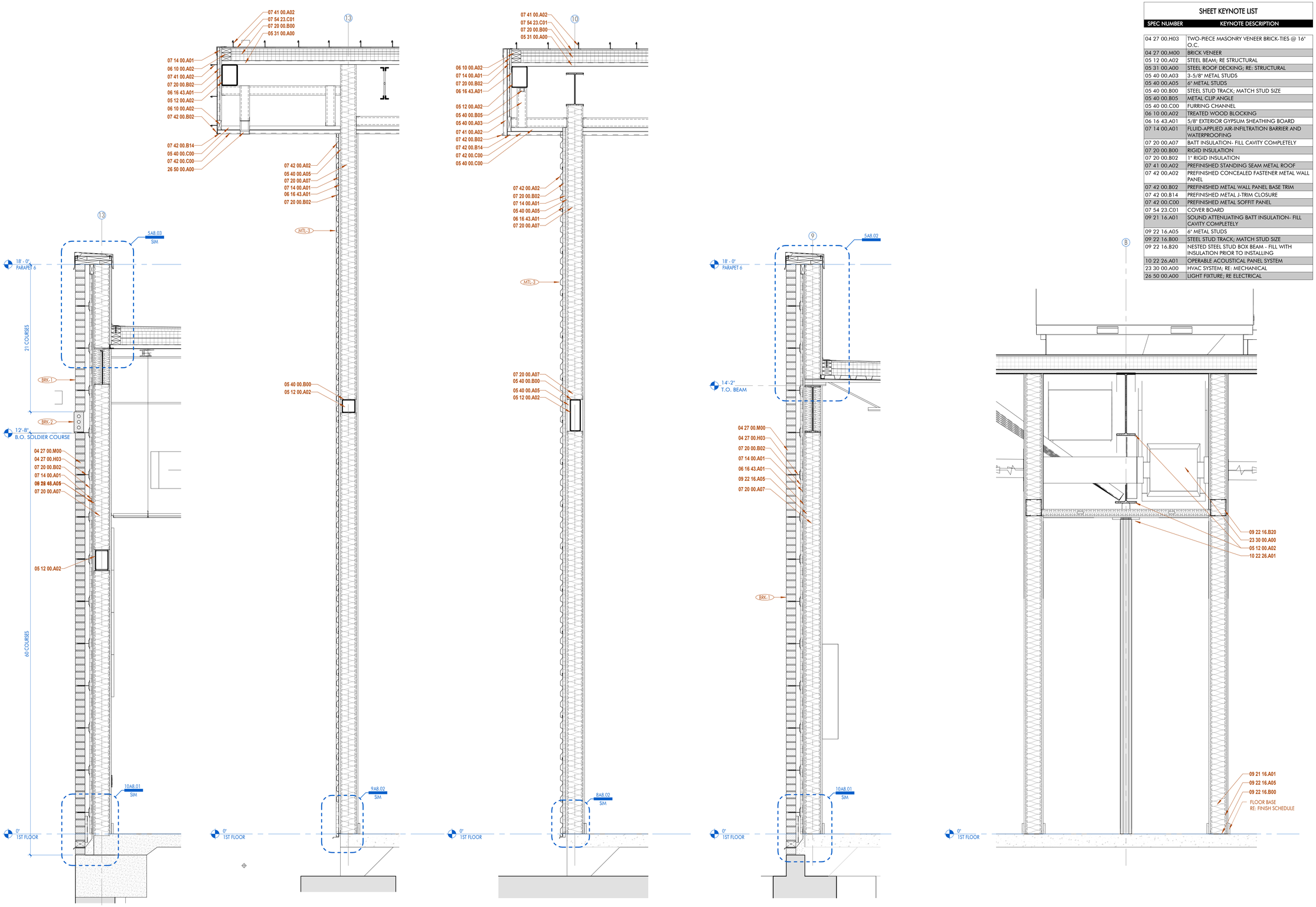
revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

WALL SECTIONS

A8.03

2026 AUGUST 28



1 WALL SECTION
3/4" = 1'-0" DRAWN BY: HP

2 WALL SECTION
3/4" = 1'-0" DRAWN BY: HP

3 WALL SECTION
3/4" = 1'-0" DRAWN BY: HP

4 WALL SECTION
3/4" = 1'-0" DRAWN BY: HP

5 WALL SECTION
3/4" = 1'-0" DRAWN BY: HP

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
04 27 00.H03	TWO-PIECE MASONRY VENEER BRICK-TIES @ 16" O.C.
04 27 00.M00	BRICK VENEER
05 12 00.A02	STEEL BEAM; RE STRUCTURAL
05 31 00.A00	STEEL ROOF DECKING; RE: STRUCTURAL
05 40 00.A03	3-5/8" METAL STUDS
05 40 00.A05	6" METAL STUDS
05 40 00.B00	STEEL STUD TRACK; MATCH STUD SIZE
05 40 00.B05	METAL CLIP ANGLE
05 40 00.C00	FURRING CHANNEL
06 10 00.A02	TREATED WOOD BLOCKING
06 16 43.A01	5/8" EXTERIOR GYPSUM SHEATHING BOARD
07 14 00.A01	FLUID-APPLIED AIR-INFILTRATION BARRIER AND WATERPROOFING
07 20 00.A07	BATT INSULATION- FILL CAVITY COMPLETELY
07 20 00.B00	RIGID INSULATION
07 20 00.B02	1" RIGID INSULATION
07 41 00.A02	PREFINISHED STANDING SEAM METAL ROOF
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 00.B02	PREFINISHED METAL WALL PANEL BASE TRIM
07 42 00.B14	PREFINISHED METAL J-TRIM CLOSURE
07 42 00.C00	PREFINISHED METAL SOFFIT PANEL
07 54 23.C01	COVER BOARD
09 21 16.A01	SOUND ATTENUATING BATT INSULATION- FILL CAVITY COMPLETELY
09 22 16.A05	6" METAL STUDS
09 22 16.B00	STEEL STUD TRACK; MATCH STUD SIZE
09 22 16.B20	NESTED STEEL STUD BOX BEAM - FILL WITH INSULATION PRIOR TO INSTALLING
10 22 26.A01	OPERABLE ACOUSTICAL PANEL SYSTEM
23 30 00.A00	HVAC SYSTEM; RE: MECHANICAL
26 50 00.A00	LIGHT FIXTURE; RE ELECTRICAL

ARCHITECT
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REGISTRATION

REGISTERED ARCHITECT
MICHAEL K. BUTTRICK
STATE OF ARKANSAS

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

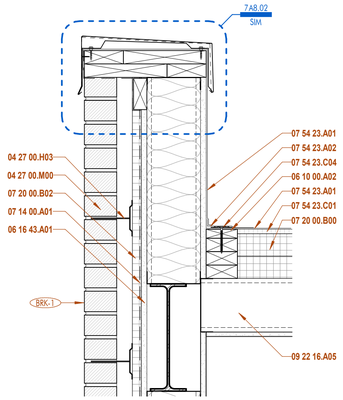
revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

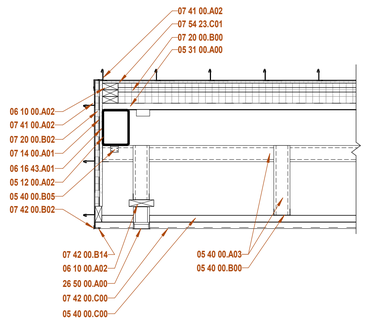
WALL SECTIONS

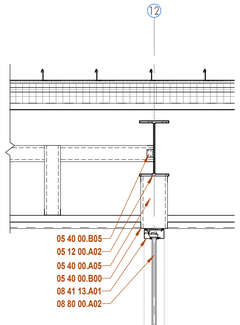
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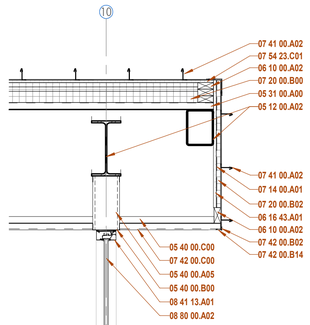
2026 AUGUST 28



5 | SECTION DETAIL
1 1/2" = 1'-0" DRAWN BY: HP

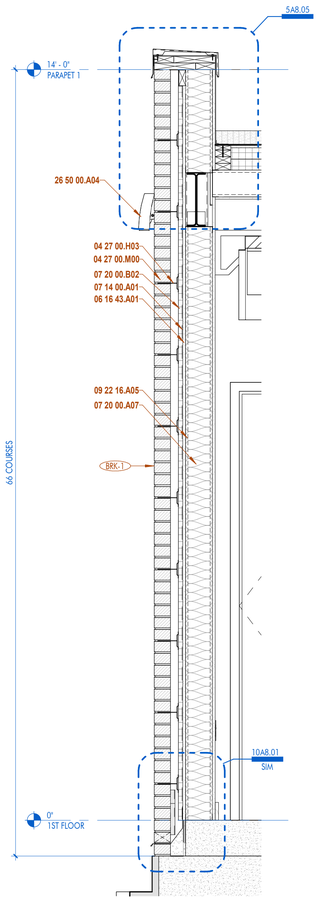




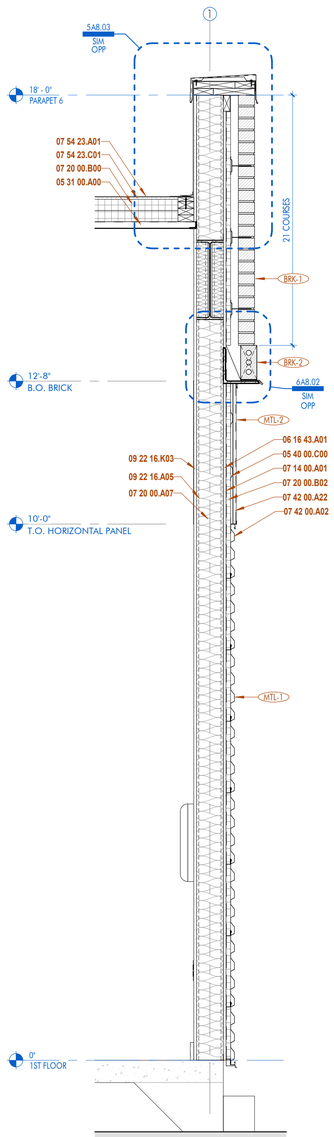


SHEET KEYNOTE LIST

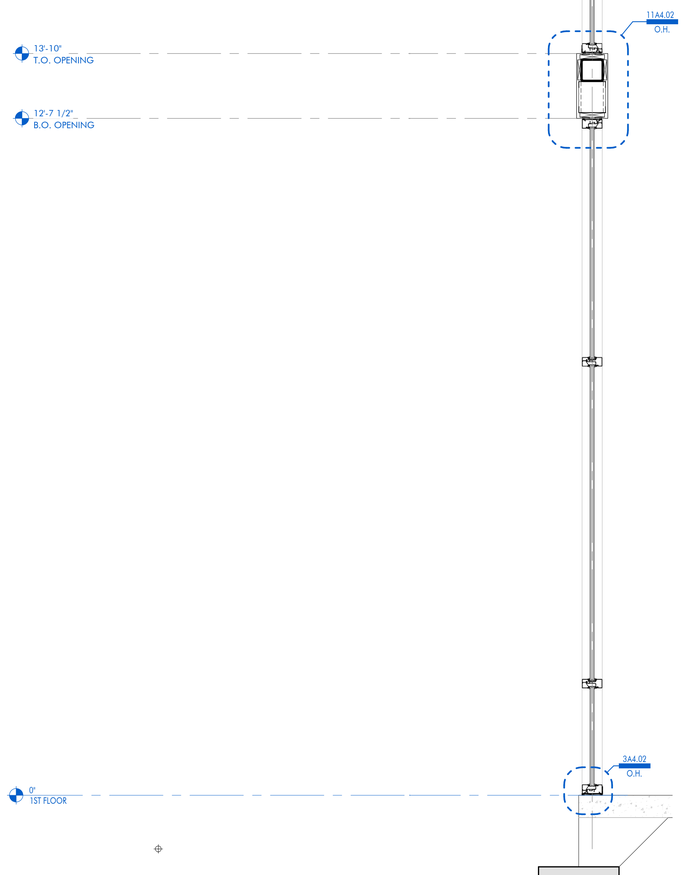
SPEC NUMBER	KEYNOTE DESCRIPTION
04 27 00.H03	TWO-PIECE MASONRY VENEER BRICK-TIES @ 16" O.C.
04 27 00.M00	BRICK VENEER
05 12 00.A02	STEEL BEAM; RE STRUCTURAL
05 31 00.A00	STEEL ROOF DECKING; RE: STRUCTURAL
05 40 00.A03	3-5/8" METAL STUDS
05 40 00.A05	6" METAL STUDS
05 40 00.B00	STEEL STUD TRACK; MATCH STUD SIZE
05 40 00.B05	METAL CLIP ANGLE
05 40 00.C00	FURRING CHANNEL
06 10 00.A02	TREATED WOOD BLOCKING
06 16 43.A01	5/8" EXTERIOR GYPSUM SHEATHING BOARD
07 14 00.A01	FLUID-APPLIED AIR-INFILTRATION BARRIER AND WATERPROOFING
07 20 00.A07	BATT INSULATION-. FILL CAVITY COMPLETELY
07 20 00.B00	RIGID INSULATION
07 20 00.B02	1" RIGID INSULATION
07 41 00.A02	PREFINISHED STANDING SEAM METAL ROOF
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 00.A22	PREFINISHED CONCEALED FASTENER METAL CEILING PANEL
07 42 00.B02	PREFINISHED METAL WALL PANEL BASE TRIM
07 42 00.B14	PREFINISHED METAL J-TRIM CLOSURE
07 42 00.C00	PREFINISHED METAL SOFFIT PANEL
07 54 23.A01	REINFORCED TPO ROOF MEMBRANE
07 54 23.A02	REINFORCED 6" WIDE TPO MEMBRANE FLASHING STRIP
07 54 23.C01	COVER BOARD
07 54 23.C04	MFG APPROVED FASTENERS & PLATES 12" O.C. MAX
08 41 13.A01	PREFINISHED EXTERIOR ALUMINUM STOREFRONT
08 80 00.A02	1" CLEAR INSULATED GLASS
09 22 16.A05	6" METAL STUDS
09 22 16.K03	5/8" GYPSUM WALLBOARD
10 53 00.A50	PREFINISHED ALUMINUM CANOPY ANCHORED TO WALL
26 50 00.A00	LIGHT FIXTURE; RE ELECTRICAL
26 50 00.A04	WALL MOUNTED FIXTURE; RE ELECTRICAL



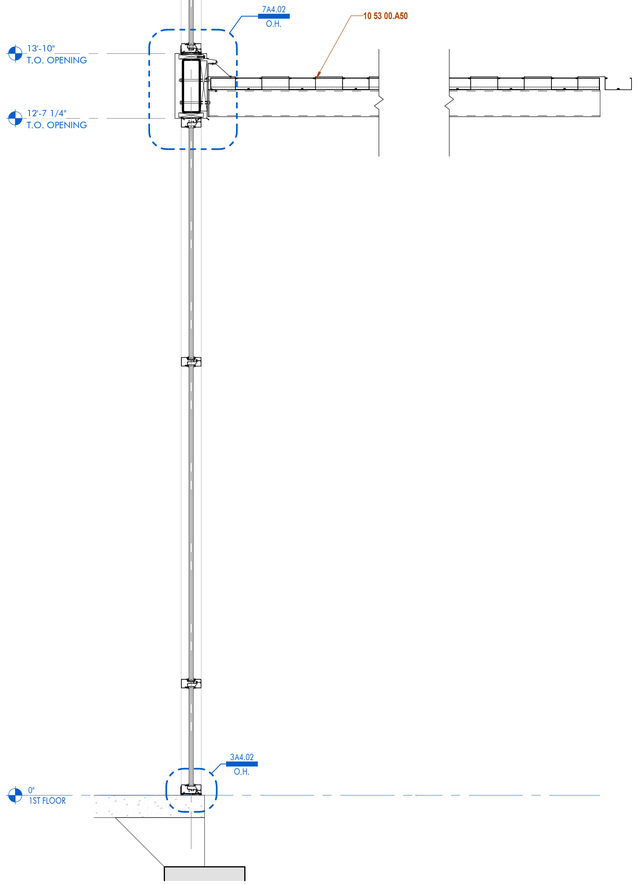
1 | WALL SECTION
3/4" = 1'-0" DRAWN BY: HP



2 | WALL SECTION
3/4" = 1'-0" DRAWN BY: HP



3 | WALL SECTION
3/4" = 1'-0" DRAWN BY: HP



4 | WALL SECTION
3/4" = 1'-0" DRAWN BY: HP

ARCHITECT
DOMAIN ARCHITECTURE
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REGISTRATION



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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

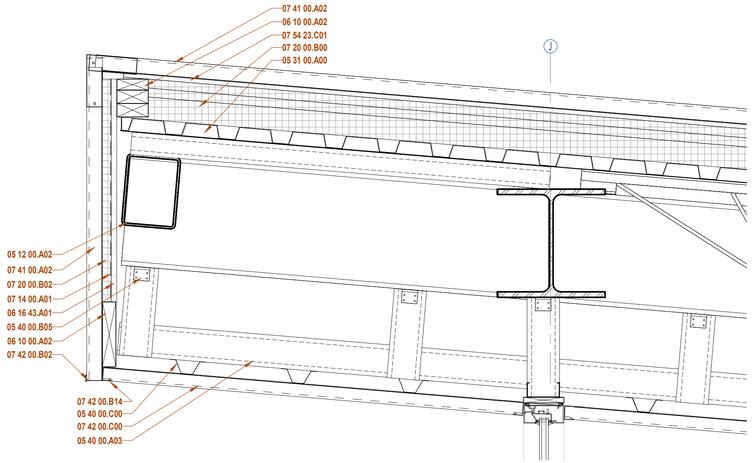
revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

WALL SECTIONS

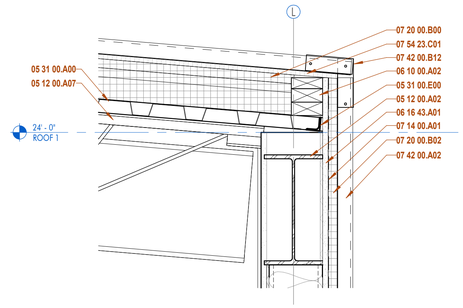
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2026 AUGUST 28



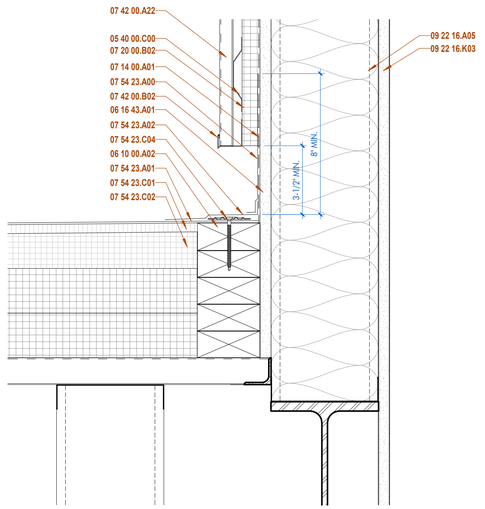
2 SECTION DETAIL

1 1/2" = 1'-0" DRAWN BY: HP



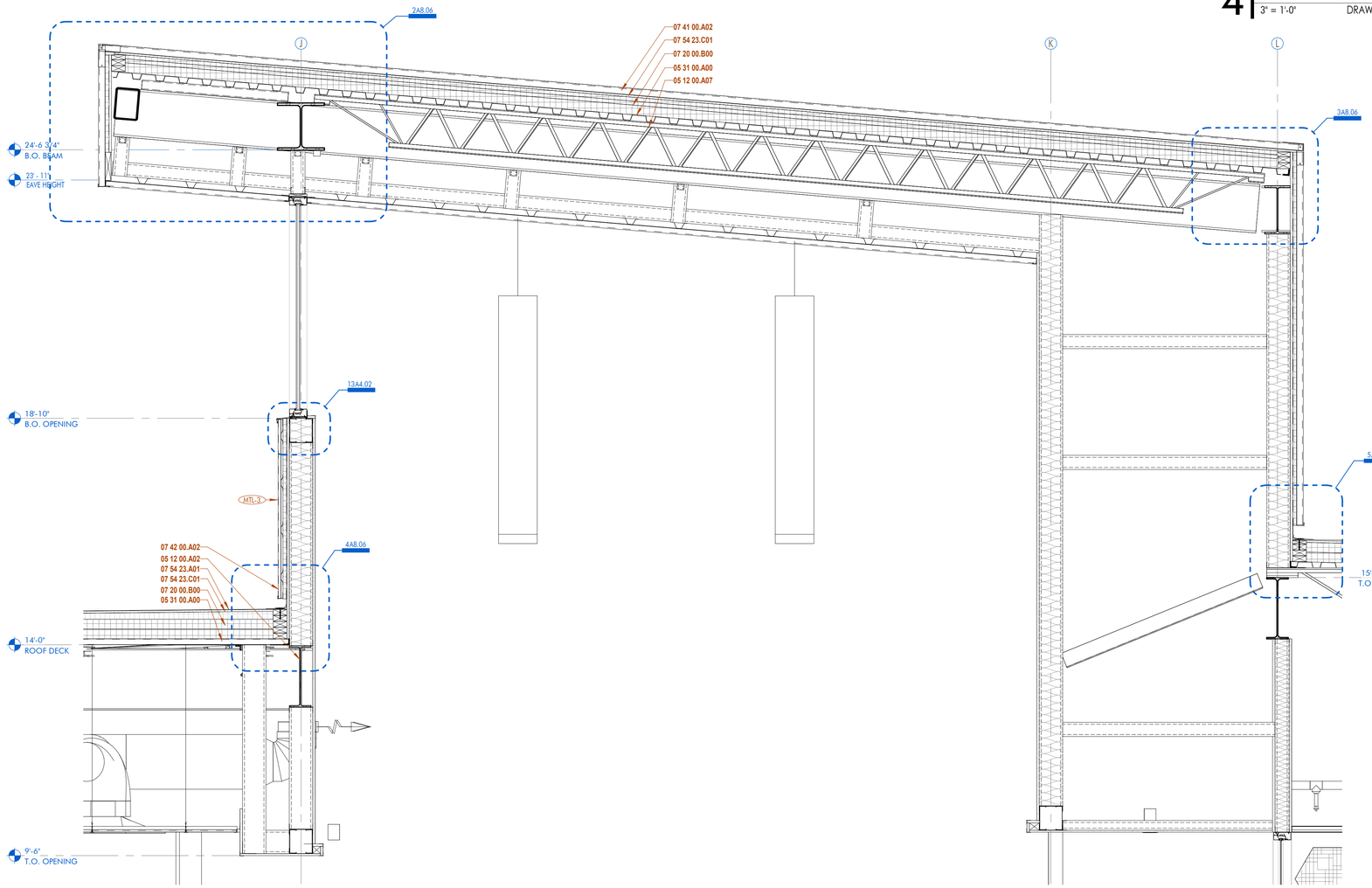
3 SECTION DETAIL

1 1/2" = 1'-0" DRAWN BY: HP



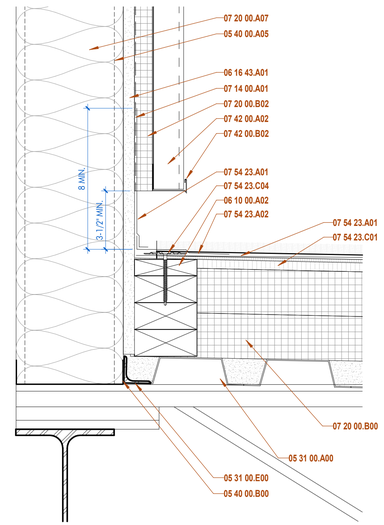
4 SECTION DETAIL

3" = 1'-0" DRAWN BY: HP



1 WALL SECTION - CLERESTORY

3/4" = 1'-0" DRAWN BY: HP



5 SECTION DETAIL

3" = 1'-0" DRAWN BY: HP

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
05 12 00.A02	STEEL BEAM; RE STRUCTURAL
05 12 00.A07	STEEL BAR JOIST; RE STRUCTURAL
05 31 00.A00	STEEL ROOF DECKING; RE: STRUCTURAL
05 31 00.E00	STEEL ROOF DECKING POUR STOP
05 40 00.A03	3-5/8" METAL STUDS
05 40 00.A05	6" METAL STUDS
05 40 00.B00	STEEL STUD TRACK; MATCH STUD SIZE
05 40 00.B05	METAL CLIP ANGLE
05 40 00.C00	FURRING CHANNEL
06 10 00.A02	TREATED WOOD BLOCKING
06 16 43.A01	5/8" EXTERIOR GYPSUM SHEATHING BOARD
07 14 00.A01	FLUID-APPLIED AIR-INFILTRATION BARRIER AND WATERPROOFING
07 20 00.A07	BATT INSULATION- FILL CAVITY COMPLETELY
07 20 00.B00	RIGID INSULATION
07 20 00.B02	1" RIGID INSULATION
07 41 00.A02	PREFINISHED STANDING SEAM METAL ROOF
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 00.A22	PREFINISHED CONCEALED FASTENER METAL CEILING PANEL
07 42 00.B02	PREFINISHED METAL WALL PANEL BASE TRIM
07 42 00.B12	PREFINISHED METAL PANEL CLOSURE
07 42 00.B14	PREFINISHED METAL J-TRIM CLOSURE
07 42 00.C00	PREFINISHED METAL SOFFIT PANEL
07 54 23.A00	REINFORCED TPO ROOF MEMBRANE SYSTEM
07 54 23.A01	REINFORCED TPO ROOF MEMBRANE
07 54 23.A02	REINFORCED 6" WIDE TPO MEMBRANE FLASHING STRIP
07 54 23.C01	COVER BOARD
07 54 23.C02	TAPERED RIGID INSULATION
07 54 23.C04	MFG APPROVED FASTENERS & PLATES 12" O.C. MAX
09 22 16.A05	6" METAL STUDS
09 22 16.K03	5/8" GYPSUM WALLBOARD

ARCHITECT
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REGISTRATION

REGISTERED ARCHITECT MICHAEL B. PATTACK 13001026 STATE OF ARKANSAS

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

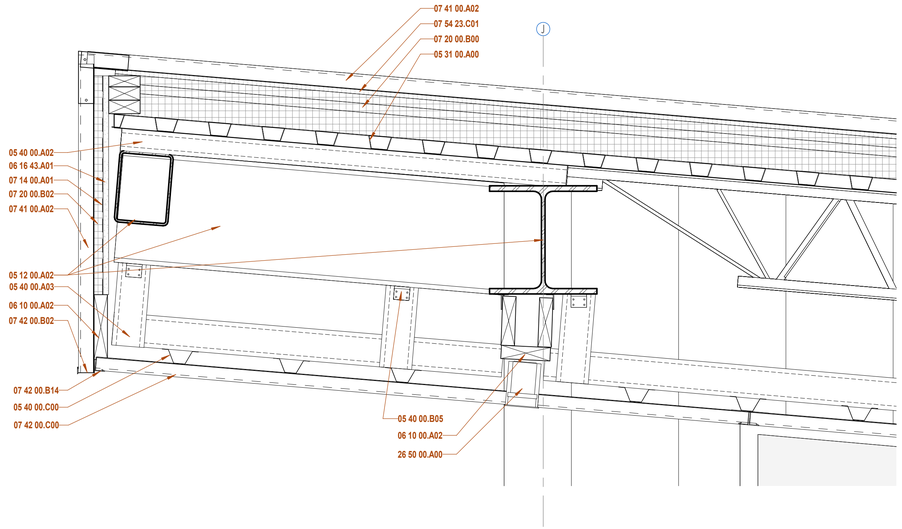
date 2026 AUGUST 28

director review

WALL SECTIONS

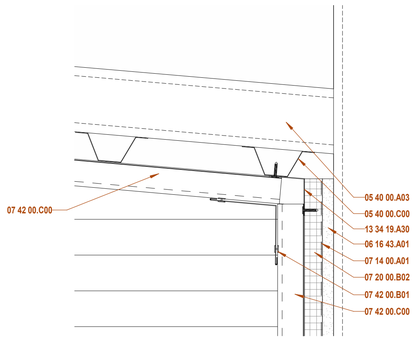
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2026 AUGUST 28



2 SECTION DETAIL

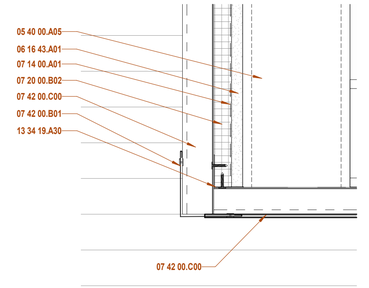
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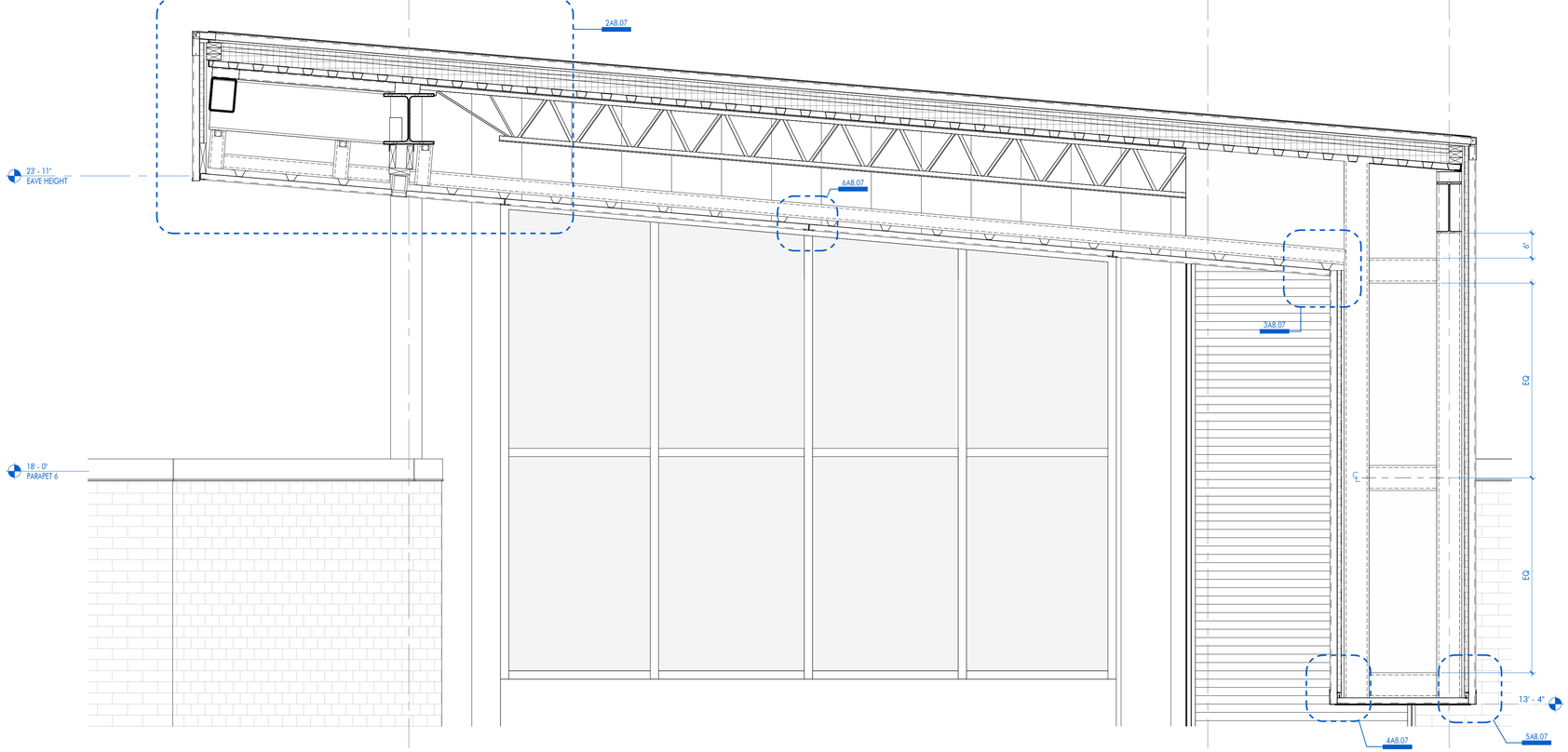
3" = 1'-0" DRAWN BY: BS

SHEET KEYNOTE LIST	
SPEC NUMBER	**KEYNOTE DESCRIPTION**
05 12 00.A02	STEEL BEAM; RE STRUCTURAL
05 31 00.A00	STEEL ROOF DECKING; RE: STRUCTURAL
05 40 00.A02	2-1/2" METAL STUDS
05 40 00.A03	3-5/8" METAL STUDS
05 40 00.A05	6" METAL STUDS
05 40 00.B05	METAL CLIP ANGLE
05 40 00.C00	FURRING CHANNEL
06 10 00.A02	TREATED WOOD BLOCKING
06 16 43.A01	5/8" EXTERIOR GYPSUM SHEATHING BOARD
07 14 00.A01	FLUID-APPLIED AIR-INFILTRATION BARRIER AND WATERPROOFING
07 20 00.B00	RIGID INSULATION
07 20 00.B02	1" RIGID INSULATION
07 41 00.A02	PREFINISHED STANDING SEAM METAL ROOF
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 00.B01	PREFINISHED METAL FLASHING
07 42 00.B02	PREFINISHED METAL WALL PANEL BASE TRIM
07 42 00.B14	PREFINISHED METAL J-TRIM CLOSURE
07 42 00.C00	PREFINISHED METAL SOFFIT PANEL
07 54 23.C01	COVER BOARD
08 41 13.A01	PREFINISHED EXTERIOR ALUMINUM STOREFRONT
13 34 19.A30	STEEL ANGLE
26 50 00.A00	LIGHT FIXTURE; RE ELECTRICAL



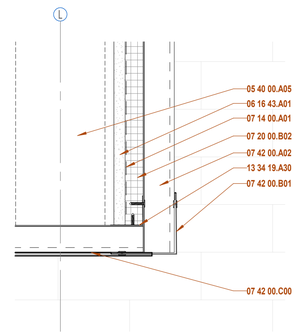
4 SECTION DETAIL

3" = 1'-0" DRAWN BY: BS



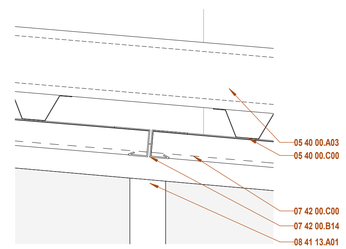
1 WALL SECTION - PORCH ROOF

3/4" = 1'-0" DRAWN BY: HP



5 SECTION DETAIL

3" = 1'-0" DRAWN BY: BS



6 SECTION DETAIL

3" = 1'-0" DRAWN BY: BS

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REGISTRATION

REGISTERED ARCHITECT MICHAEL K. BUTTRICK 10107 STATE OF ARKANSAS

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

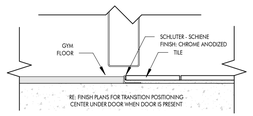
revisions No.	Description	Date

project #	AR26-0001
date	2026 AUGUST 28
director review	

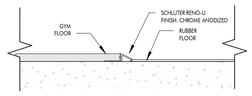
WALL SECTIONS

A8.07

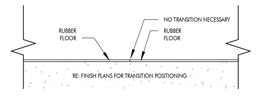
2026 AUGUST 28



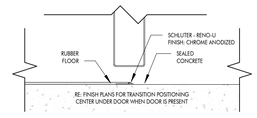
2 | THRESH. - GF TO TILE
3" = 1'-0" DRAWN BY: JG



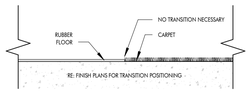
3 | THRESH. - GF TO RF
3" = 1'-0" DRAWN BY: JG



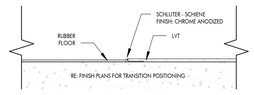
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3" = 1'-0" DRAWN BY: JG



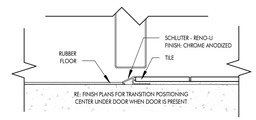
5 | THRESH. - RF TO SC
3" = 1'-0" DRAWN BY: JG



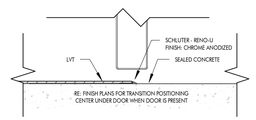
6 | THRESH. - RF TO CPT
3" = 1'-0" DRAWN BY: JG



7 | THRESH. - RF TO LVT
3" = 1'-0" DRAWN BY: JG



8 | THRESH. - RF TO TILE
3" = 1'-0" DRAWN BY: JG



9 | THRESH. - LVT TO SC
3" = 1'-0" DRAWN BY: JG

FINISH TYPES

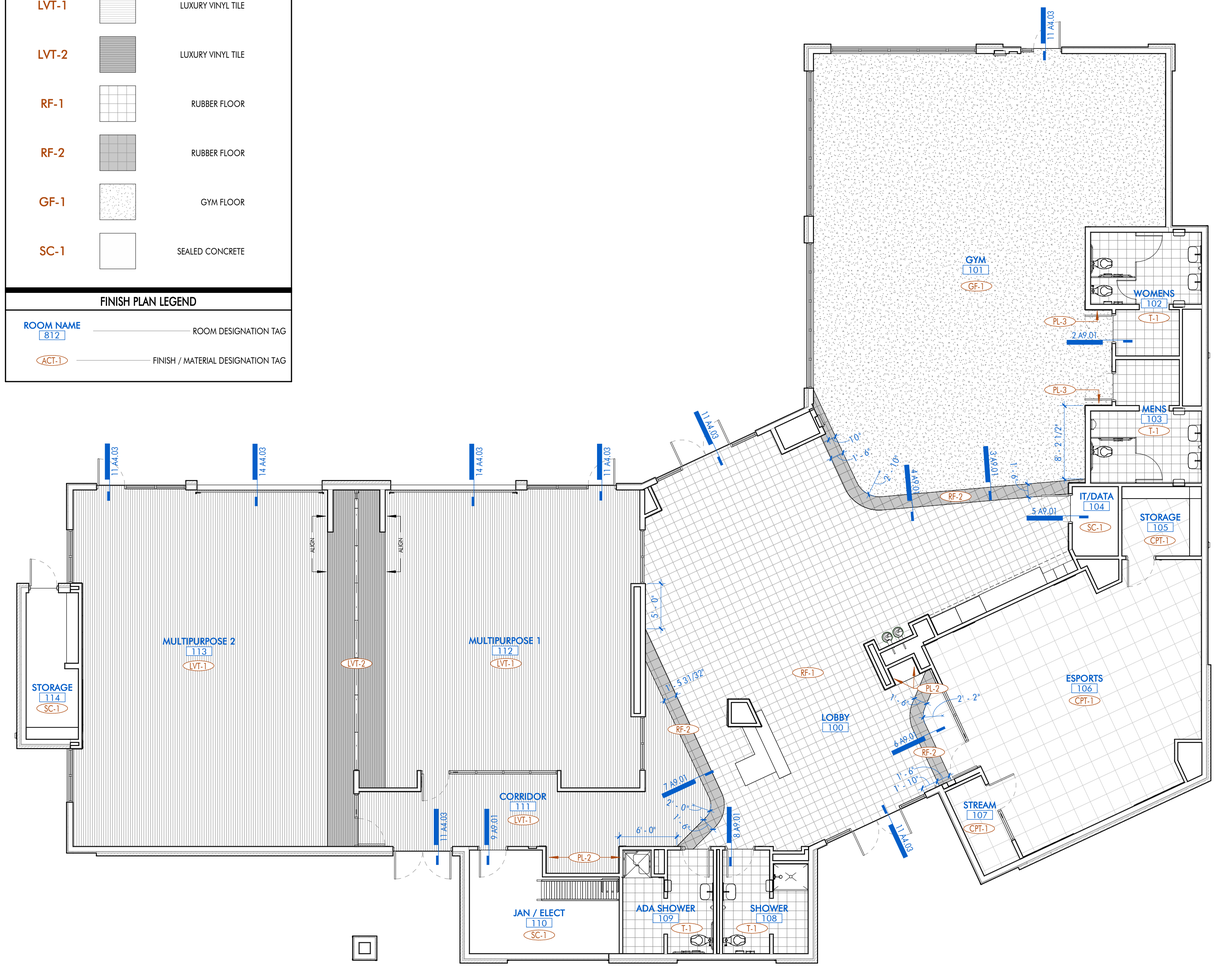
NOTE: REFER TO FINISH LEGEND & SCHEDULE FOR FURTHER INFORMATION

CPT-1	CARPET TILE
T-1	TILE
LVT-1	LUXURY VINYL TILE
LVT-2	LUXURY VINYL TILE
RF-1	RUBBER FLOOR
RF-2	RUBBER FLOOR
GF-1	GYM FLOOR
SC-1	SEALED CONCRETE

FINISH PLAN LEGEND

ROOM NAME 812 ——— ROOM DESIGNATION TAG

ACT-1 ——— FINISH / MATERIAL DESIGNATION TAG



1 | FINISH PLAN
1/8" = 1'-0" DRAWN BY: JG

FINISH LEGEND

FINISH MARK	MANUFACTURER	DESCRIPTION	SIZE	MODEL, NAME, & COLOR	COMMENTS
BASE					
WB-1	--	WOOD BASE	1" x 4"	POPLAR - PAINTED TO MATCH ASSOCIATED WALL COLOR	
CARPET					
CPT-1	INTERFACE	CARPET TILE	1m x 1m	ETCHED EARTH - GLACIER - 103426	MONOLITHIC INSTALL PATTERN
CEILING					
ACT-1	ARMSTRONG	ACOUSTIC CEILING TILE	24" x 24"	ULTIMA - LAY-IN - WHITE	WHITE GRID
ACT-2	ARMSTRONG	ACOUSTIC CEILING TILE	24" x 24"	FINE FISSURED - LAY-IN - TECH BLACK	BLACK GRID
AP-1	ARMSTRONG	ACOUSTIC PANEL	47" x 96"	TECTUM - DIRECT ATTACH - LIMESTONE	
AP-2	ARMSTRONG	ACOUSTIC PANEL	47" x 96"	TECTUM - DIRECT ATTACH - WHITE	
CONCRETE					
SC-1	--	SEALED CONCRETE	--	--	
DOORS					
STN-1	VT INDUSTRIES	STAIN	--	WHITE OAK - CHOCOLATE CH18	
GROUT, MORTAR, & SEALANT					
GT-1	MAPEI	GROUT	--	5027 SILVER	
MASONRY					
BRK-1	--	BRICK	--	TO BE SELECTED FROM LOCAL VENDOR TO MATCH EXISTING	
BRK-2	--	BRICK	--	TO BE SELECTED FROM LOCAL VENDOR TO MATCH EXISTING	
METAL PANEL					
MTL-1	MCELROY	METAL PANEL		WAVE CONCEALED FASTENER PANEL METAL WALL SYSTEM	COLOR SELECTED FROM MANUF. FULL RANGE
MTL-2	MCELROY	METAL PANEL		NOSTALGIA BOARD AND BATTEN CONCEALED FASTENERBATTEN WALL SYSTEM - PATINA GREEN	
MTL-3	MCELROY	METAL PANEL		NOSTALGIA BOARD AND BATTEN CONCEALED FASTENER BATTEN WALL SYSTEM	COLOR SELECTED FROM MANUF. FULL RANGE
MTL-4	MCELROY	METAL PANEL		FW CONCEALED FASTENERMETAL WALL PANEL - GOLDEN PECAN WOOD GRAIN	
MISC.					
RP-1	3FORM	RESIN PANEL (YELLOW)	48" x 96"	VARIA - STRUCK CHAMOMILE	
RP-2	3FORM	RESIN PANEL (GREY)	48" x 96"	VARIA - SMUDGE N37	
TP-1	SCRANTON	TOILET PARTITIONS	--	HINY HIDERS - GREY - ORANGE PEEL	
TW-1	KOROSEAL	TACK WALL PANEL	48"	TAC-WALL	COLOR SELECTED FROM MANUF. FULL RANGE
WP-1	CARNEGIE	ACOUSTIC WALL PANEL	18 1/2" x 16"	XOREL ARTFORM - HEX - MEDIUM 2"	FABRIC: SWITCH - 20
WP-2	CARNEGIE	ACOUSTIC WALL PANEL	18 1/2" x 16"	XOREL ARTFORM - HEX - MEDIUM 2"	FABRIC: FLUX - 94
WP-3	CARNEGIE	ACOUSTIC WALL PANEL	18 1/2" x 16"	XOREL ARTFORM - HEX - MEDIUM 2"	FABRIC: FLUX - 93
WP-4	CARNEGIE	ACOUSTIC WALL PANEL	18 1/2" x 16"	XOREL ARTFORM - HEX - MEDIUM 2"	FABRIC: CALABRIA - 54
WP-5	CARNEGIE	ACOUSTIC WALL PANEL	18 1/2" x 16"	XOREL ARTFORM - HEX - MEDIUM 2"	FABRIC: FRACTAL EMBOSS - 712
PAINT					
PT-1	SHERWIN WILLIAMS	WHITE PAINT	--	ICE CUBE - SW 6252	
PT-2	SHERWIN WILLIAMS	GREY PAINT	--	HOMBURG GRAY - SW 7622	
PT-3	SHERWIN WILLIAMS	GREEN PAINT	--	GRASSHOPPER - SW 6733	
PT-4	SHERWIN WILLIAMS	YELLOW PAINT	--	GOLDENROD - SW 6677	
PT-5	SHERWIN WILLIAMS	BLACK PAINT	--	TRICORN BLACK - SW 6258	DOOR FRAME COLOR (INSIDE & OUTSIDE)
PLASTIC LAMINATE					
PL-1	WILSONART	PLASTIC LAMINATE	--	COLOMBIAN WALNUT - 7943K-07	
PL-2	WILSONART	PLASTIC LAMINATE	--	NORI - 13091-60	
PL-3	WILSONART	PLASTIC LAMINATE	--	SUNNY SIDE UP - 13089-60	
RESILIENT FLOORING					
GF-1	REGUPOL	ATHLETIC FLOORING	48" ROLL	AKTIV - INTENSE AVALANCHE	
LVT-1	INTERFACE	LUXURY VINYL TILE	25cm x 1m	NORTHERN GRAIN - ANTIQUE WASH - A02606	ASHLAR INSTALL PATTERN
LVT-2	INTERFACE	LUXURY VINYL TILE	25cm x 1m	NORTHERN GRAIN - DARK WASH - A02607	ASHLAR INSTALL PATTERN
RF-1	INTERFACE	RUBBER FLOORING	40" x 40"	NORAMENT 926 GRANO - ANGELICA ROOT 5302	
RF-2	INTERFACE	RUBBER FLOORING	40" x 40"	NORAMENT 926 GRANO - FRANKINCENSE 5303	
ROOF					
SFT-1	MCELROY	SOFFIT PANEL		FW CONCEALED FASTENER METAL SOFFIT PANEL - PATINA GREEN	
SFT-2	MCELROY	SOFFIT PANEL		FW CONCEALED FASTENER METAL SOFFIT PANEL - GOLDEN PECAN WOOD GRAIN	
SFT-3	MCELROY	SOFFIT PANEL		FW CONCEALED FASTENER METAL SOFFIT PANE	COLOR SELECTED FROM MANUF. FULL RANGE
SSR-1	MCELROY	SOFFIT PANEL		MAXIMA STANDING SEAM ROOF PANEL - PATINA GREEN	
SOLID SURFACE					
SS-1	WILSONART	SOLID SURFACE	--	MONTE AMIATA - 9911SS	
TILE					
T-1	CONCEPT SURFACES	FLOOR TILE	24" x 24"	CARAWAY - GRIS	GT-1
T-2	DALTILE	WALL TILE	1 1/2" x 1 1/2"	COLOR WHEEL - MOSAIC - HEXAGON - ARCTIC WHITE 0190	GT-1
T-3	DALTILE	WALL TILE	1 1/2" x 1 1/2"	COLOR WHEEL - MOSAIC - HEXAGON - EMERALD 0115	GT-1
T-4	DALTILE	WALL TILE	1 1/2" x 1 1/2"	COLOR WHEEL - MOSAIC - HEXAGON - MUSTARD 1012	GT-1
T-5	DALTILE	WALL TILE	12" x 24"	COMPOSITION - GESSO MATTE - CP02	GT-1
WALLCOVERING					
WG-1	KOROSEAL	WALL GRAPHIC	--	FINE TEXTURE SUBSTRATE - WHITE	ARTWORK PROVIDED BY ARCHITECT (ESPORTS)
WG-2	KOROSEAL	WALL GRAPHIC	--	FINE TEXTURE SUBSTRATE - WHITE	ARTWORK PROVIDED BY ARCHITECT (LOBBY LARGE)
WG-3	KOROSEAL	WALL GRAPHIC	--	FINE TEXTURE SUBSTRATE - WHITE	ARTWORK PROVIDED BY ARCHITECT (LOBBY SMALL)

FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING FINISH	COMMENTS
100	LOBBY	RF-1, RF-2	WB-1	PT-1, PT-2	WG-2, WG-3	PT-1, PT-2	PT-1, PT-4	METAL SOFFIT PANEL	RE: 1 A10.01, 2 A10.01, 3 A10.01, 4 A10.01
101	GYM	AF-1	WB-1	PT-1	PT-1, PT-2	--	PT-1	PT-1	RE: 6 A10.01, 7 A10.01, 8 A10.01
102	WOMENS	T-1	--	T-5	PT-2, T-2, T-3	PT-2, T-5	PT-2, T-5	PT-2	RE: 2 A3.01, 3 A3.01, 4 A3.01, 5 A3.01
103	MENS	T-1	--	PT-2, T-5	PT-2, T-2, T-4	T-5	PT-2, T-5	PT-2	RE: 6 A3.01, 7 A3.01, 8 A3.01, 9 A3.01
104	IT/DATA	SC-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	
105	STORAGE	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	
106	ESPORTS	CPT-1	WB-1	PT-2	WG-1	PT-2	PT-5	ACT-2	RE: 1 A10.03, 2 A10.03, 3 A10.03, 4 A10.03
107	STREAM	CPT-1	WB-1	PT-5	PT-5	PT-5	PT-5	ACT-2	
108	SHOWER	T-1	--	T-5	T-5	T-5	T-2, T-4	PT-2	RE: 2 A3.02, 3 A3.02, 4 A3.02, 5 A3.02
109	ADA SHOWER	T-1	--	T-5	T-2, T-3	T-5	T-5	PT-2	RE: 6 A3.02, 7 A3.02, 8 A3.02, 9 A3.02
110	JAN / ELECT	SC-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	
111	CORRIDOR	LVT-1	WB-1	PT-4	--	PT-1, PT-3	PT-4	ACT-1	RE: 5 A10.02, 6 A10.02, 7 A10.02, 8 A10.02
112	MULTIPURPOSE 1	LVT-1	WB-1	PT-1, PT-2	PT-4	PT-4	PT-2	PT-1	RE: 1 A10.02, 2 A10.02, 3 A10.02, 4 A10.02
113	MULTIPURPOSE 2	LVT-1	WB-1	PT-1, PT-2	PT-2	PT-1	PT-1	PT-1	RE: 5 A10.03, 6 A10.03, 7 A10.03, 8 A10.03
114	STORAGE	SC-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	

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REGISTRATION

REGISTERED ARCHITECT — MICHAEL K. BUTTACK — 10102 — STATE OF ARKANSAS

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS

ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

date 2026 AUGUST 28

director review

FINISH PLAN

A9.01

2026 AUGUST 28



1 LOBBY

DRAWN BY: JG



2 GYM

DRAWN BY: JG



3 ESPORTS

DRAWN BY: JG



4 LOBBY

DRAWN BY: JG

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD HOUSE

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

date 2026 AUGUST 28

director review

INTERIOR RENDERINGS

A9.02



1 EXERCISE
DRAWN BY: JG



2 EXERCISE
DRAWN BY: JG



3 RESTROOM
DRAWN BY: JG



4 RESTROOM
DRAWN BY: JG

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(TBD) ALUMNI LANE
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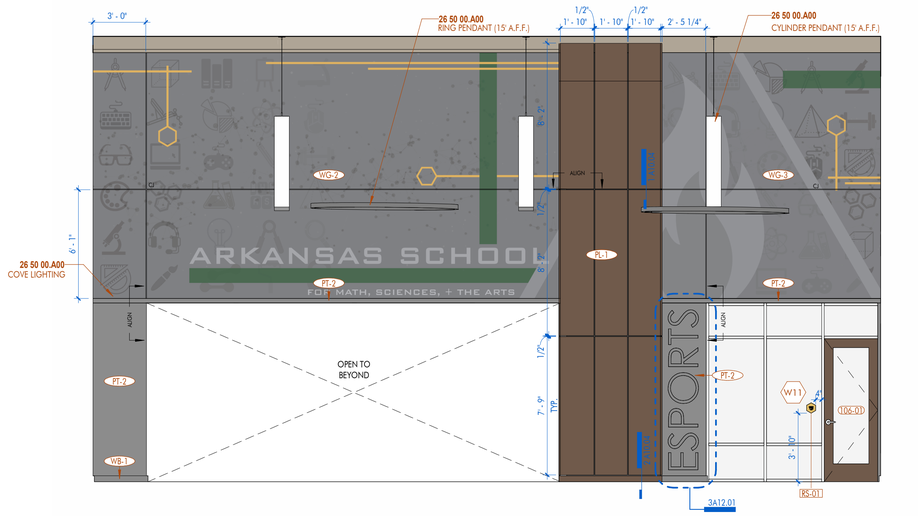
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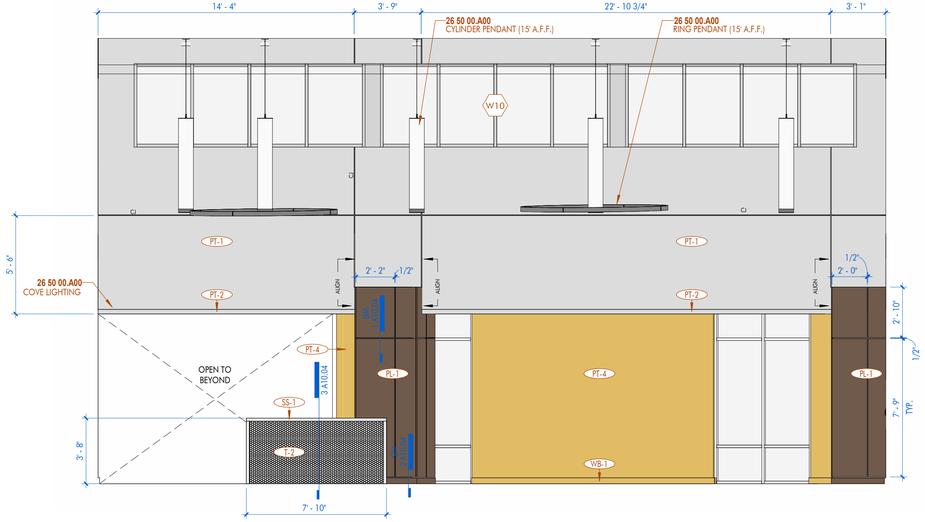
INTERIOR RENDERINGS

A9.03



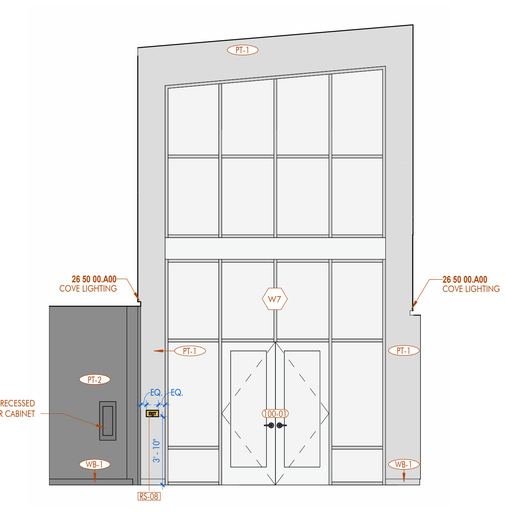
1 LOBBY 100 - EAST

1/4" = 1'-0" DRAWN BY: JG



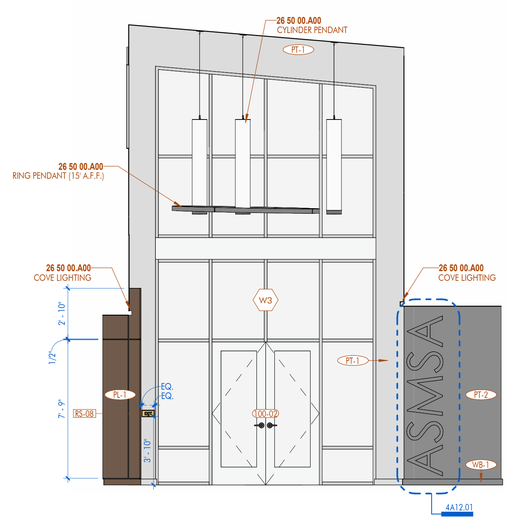
2 LOBBY 100 - WEST

1/4" = 1'-0" DRAWN BY: JG



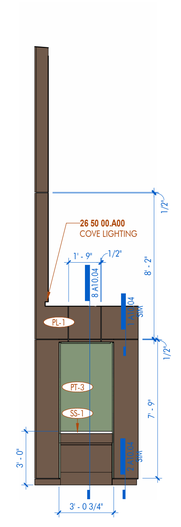
3 LOBBY 100 - SOUTH

1/4" = 1'-0" DRAWN BY: JG



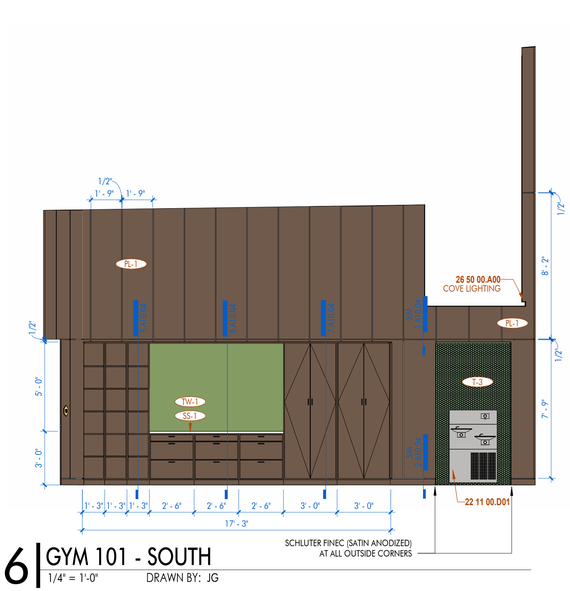
4 LOBBY 100 - NORTH 1

1/4" = 1'-0" DRAWN BY: JG



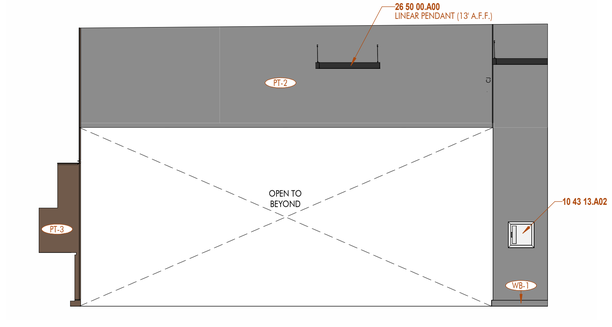
5 LOBBY 100 - NORTH 2

1/4" = 1'-0" DRAWN BY: JG



6 GYM 101 - SOUTH

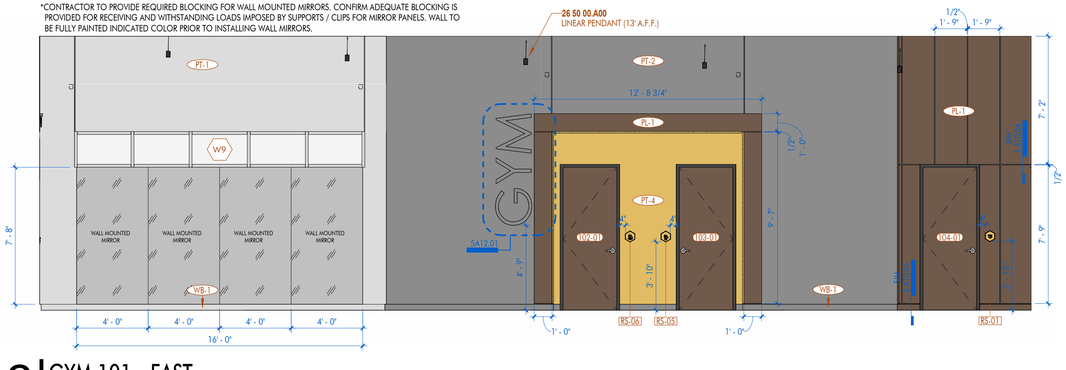
1/4" = 1'-0" DRAWN BY: JG



7 GYM 106 - WEST

1/4" = 1'-0" DRAWN BY: JG

*CONTRACTOR TO PROVIDE REQUIRED BLOCKING FOR WALL MOUNTED MIRRORS. CONFIRM ADEQUATE BLOCKING IS PROVIDED FOR RECEIVING AND WITHSTANDING LOADS IMPOSED BY SUPPORTS / CLIPS FOR MIRROR PANELS. WALL TO BE FULLY PAINTED INDICATED COLOR PRIOR TO INSTALLING WALL MIRRORS.



8 GYM 101 - EAST

1/4" = 1'-0" DRAWN BY: JG

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
10 43 13.A02	SEMI-RECESSED AED CABINET
22 11 00.D01	HI LO DRINKING FOUNTAIN, RE: PLUMBING
26 50 00.A00	LIGHT FIXTURE; RE ELECTRICAL

GENERAL NOTES

1. COLORS SHOWN IN ELEVATIONS ARE FOR VISUALIZATION/LOCATION PURPOSES ONLY. THEY ARE NOT A TRUE MATCH TO REAL MATERIALS.

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No. 10216
STATE OF ARKANSAS

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS

ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

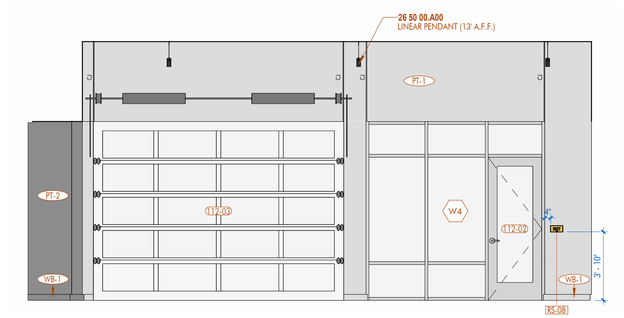
revisions No.	Description	Date

project #	AR26-0001
date	2026 AUGUST 28
director review	

INTERIOR ELEVATIONS

A10.01

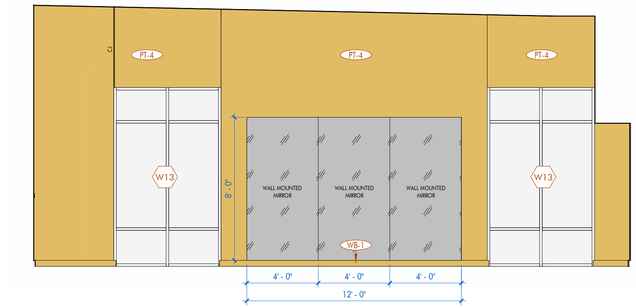
2026 AUGUST 28



1 EXERCISE ROOM 112 - NORTH

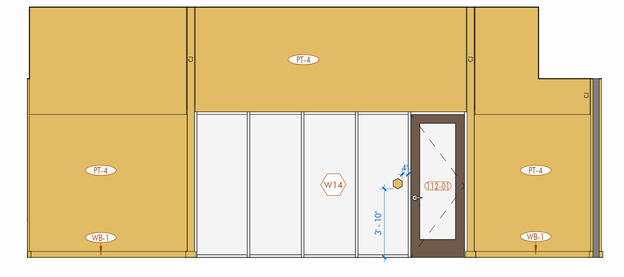
1/4" = 1'-0" DRAWN BY: JG

*CONTRACTOR TO PROVIDE REQUIRED BLOCKING FOR WALL MOUNTED MIRRORS. CONFIRM ADEQUATE BLOCKING IS PROVIDED FOR RECEIVING AND WITHSTANDING LOADS IMPOSED BY SUPPORTS / CLIPS FOR MIRROR PANELS. WALL TO BE FULLY PAINTED INDICATED COLOR PRIOR TO INSTALLING WALL MIRRORS.



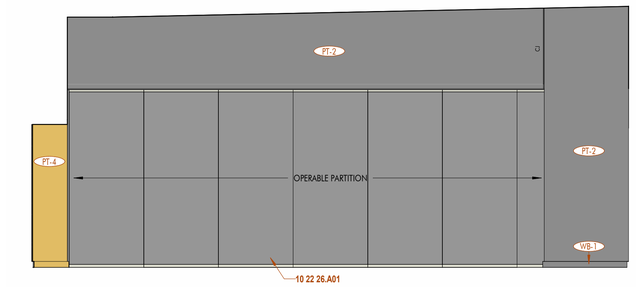
2 EXERCISE ROOM 112 - EAST

1/4" = 1'-0" DRAWN BY: JG



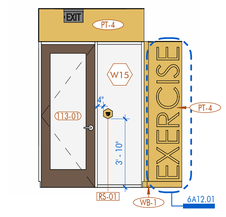
3 EXERCISE ROOM 112 - SOUTH

1/4" = 1'-0" DRAWN BY: JG



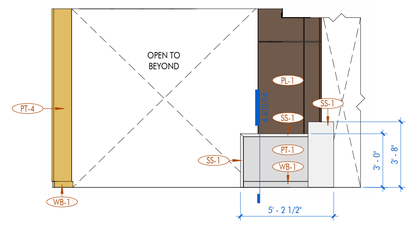
4 EXERCISE ROOM 112 - WEST

1/4" = 1'-0" DRAWN BY: JG



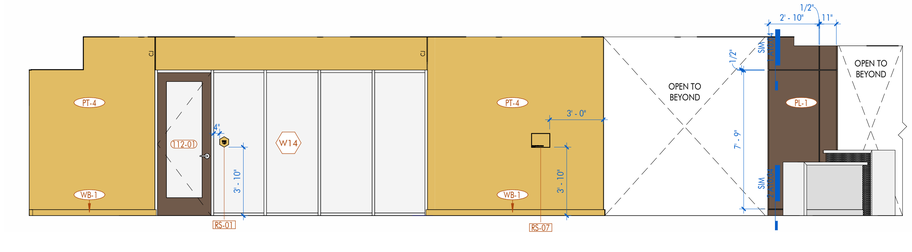
5 CORRIDOR 111 - WEST

1/4" = 1'-0" DRAWN BY: JG



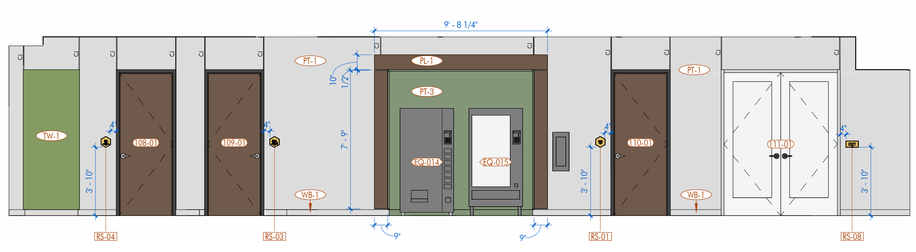
6 CORRIDOR 111 - NORTH 1

1/4" = 1'-0" DRAWN BY: JG



7 CORRIDOR 111 - NORTH 2

1/4" = 1'-0" DRAWN BY: JG



8 CORRIDOR 111 - SOUTH

1/4" = 1'-0" DRAWN BY: JG

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
10 22 26.A01	OPERABLE ACOUSTICAL PANEL SYSTEM
26 50 00.A00	LIGHT FIXTURE; RE ELECTRICAL

GENERAL NOTES

1. COLORS SHOWN IN ELEVATIONS ARE FOR VISUALIZATION/LOCATION PURPOSES ONLY. THEY ARE NOT A TRUE MATCH TO REAL MATERIALS.

ARCHITECT

DOMAIN ARCHITECTURE

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REGISTRATION

REGISTERED ARCHITECT MICHAEL K. BUTTRICK 10/01/2026 STATE OF ARKANSAS

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

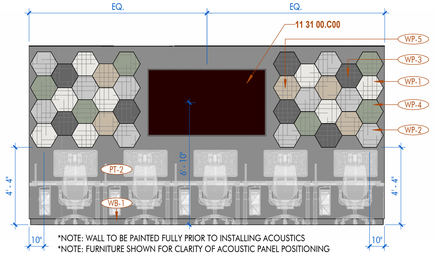
project # AR26-0001

date 2026 AUGUST 28

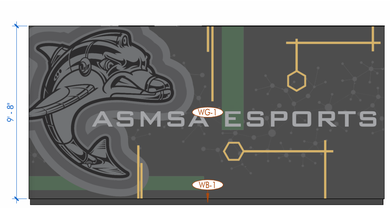
director review

INTERIOR ELEVATIONS

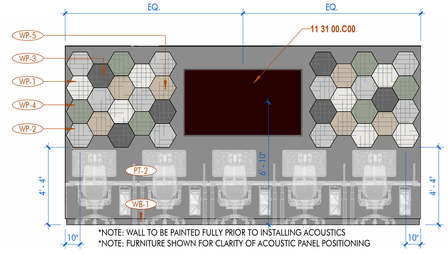
A10.02



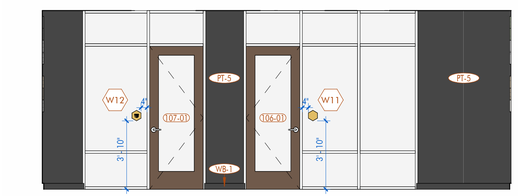
1 ESPORTS 106 - NORTH
1/4" = 1'-0" DRAWN BY: JG



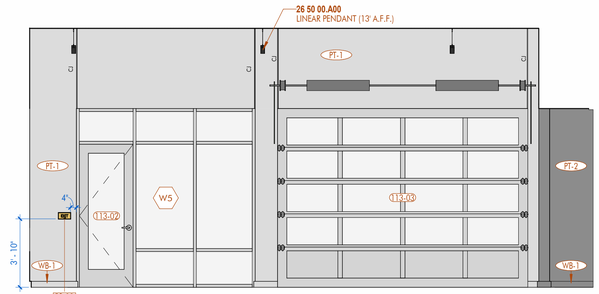
2 ESPORTS 106 - EAST
1/4" = 1'-0" DRAWN BY: JG



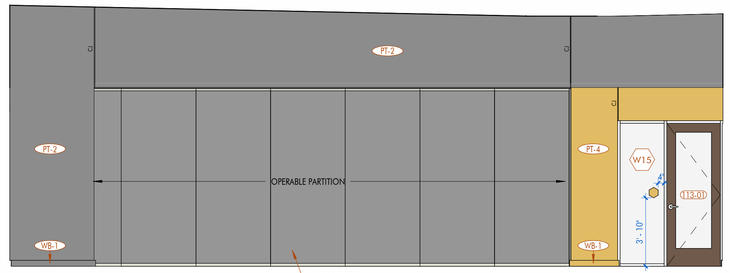
3 ESPORTS 106 - SOUTH
1/4" = 1'-0" DRAWN BY: JG



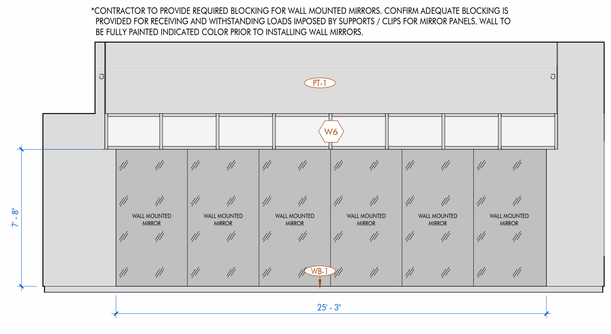
4 ESPORTS 106 - WEST
1/4" = 1'-0" DRAWN BY: JG



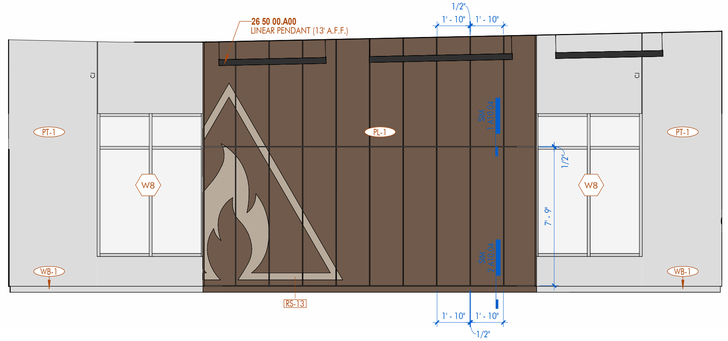
5 EXERCISE ROOM 113 - NORTH
1/4" = 1'-0" DRAWN BY: JG



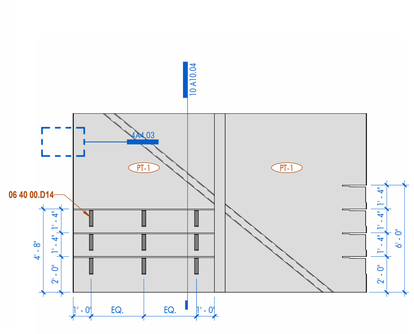
6 EXERCISE ROOM 113 - EAST
1/4" = 1'-0" DRAWN BY: JG



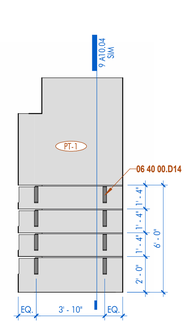
7 EXERCISE ROOM 113 - SOUTH
1/4" = 1'-0" DRAWN BY: JG



8 EXERCISE ROOM 113 - WEST
1/4" = 1'-0" DRAWN BY: JG



9 STORAGE 114 - EAST
1/4" = 1'-0" DRAWN BY: JG



10 STORAGE 114 - SOUTH
1/4" = 1'-0" DRAWN BY: JG

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
06 40 00.D14	METAL SHELF BRACKET
10 22 26.A01	OPERABLE ACOUSTICAL PANEL SYSTEM
11 31 00.C00	EQUIPMENT PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR; RE: EQUIPMENT SCHEDULE
26 50 00.A00	LIGHT FIXTURE; RE ELECTRICAL

GENERAL NOTES

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ARCHITECT
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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

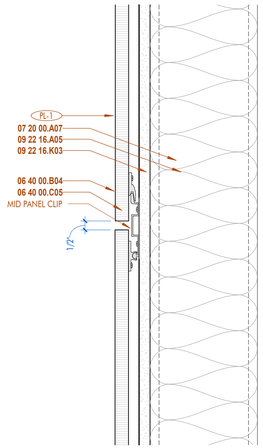
INTERIOR ELEVATIONS

A10.03

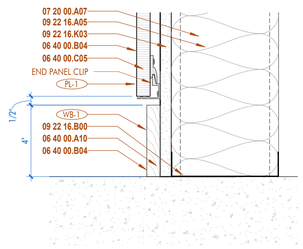
2026 AUGUST 28

SHEET KEYNOTE LIST

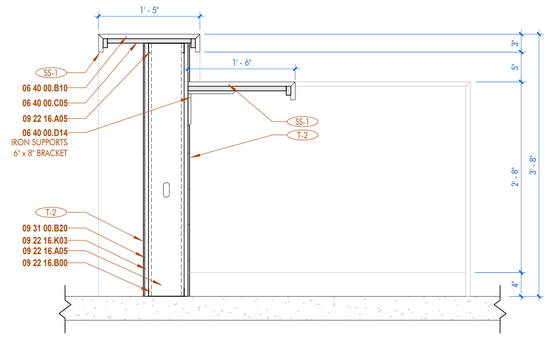
SPEC NUMBER	KEYNOTE DESCRIPTION
06 40 00.A10	WOOD BASE
06 40 00.B04	PLASTIC LAMINATE
06 40 00.B10	SOLID SURFACE COUNTERTOP
06 40 00.C05	3/4" FURNITURE GRADE PLYWOOD
06 40 00.C22	3/4" ADJUSTABLE SHELVES WITH HARDWARE AND EDGE BANDS
06 40 00.C52	1X BLOCKING
06 40 00.D01	CABINET PULLS
06 40 00.D03	EUROPEAN STYLE CONCEALED HARDWARE
06 40 00.D14	METAL SHELF BRACKET
07 20 00.A07	BATT INSULATION- FILL CAVITY COMPLETELY
09 22 16.A05	6" METAL STUDS
09 22 16.B00	STEEL STUD TRACK; MATCH STUD SIZE
09 22 16.K03	5/8" GYPSUM WALLBOARD
09 31 00.B20	PORCELAIN WALL TILE



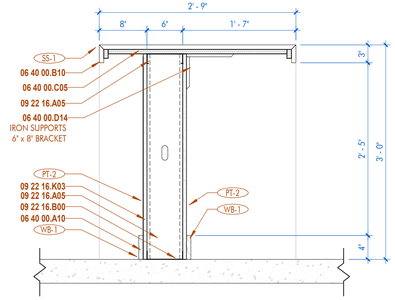
1 PANEL MID-BREAK DETAIL
3" = 1'-0" DRAWN BY: JG



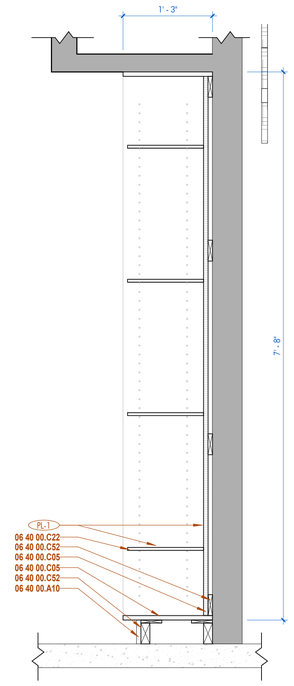
2 PANEL BASE-BREAK DETAIL
3" = 1'-0" DRAWN BY: JG



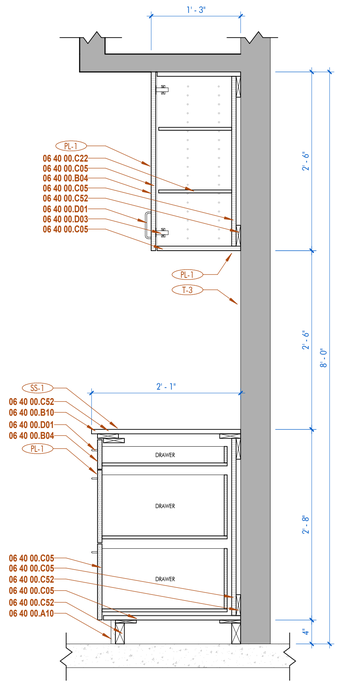
3 MILLWORK DETAIL 1
1" = 1'-0" DRAWN BY: JG



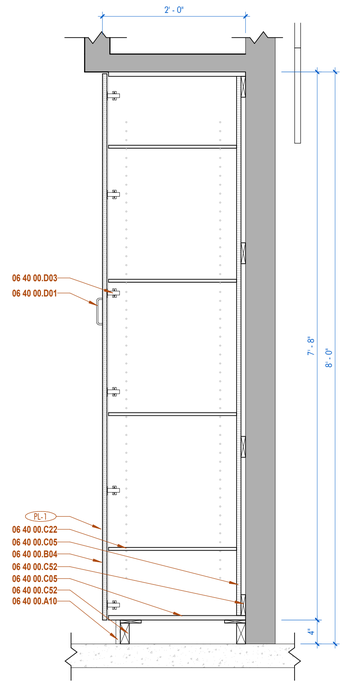
4 MILLWORK DETAIL 2
1" = 1'-0" DRAWN BY: JG



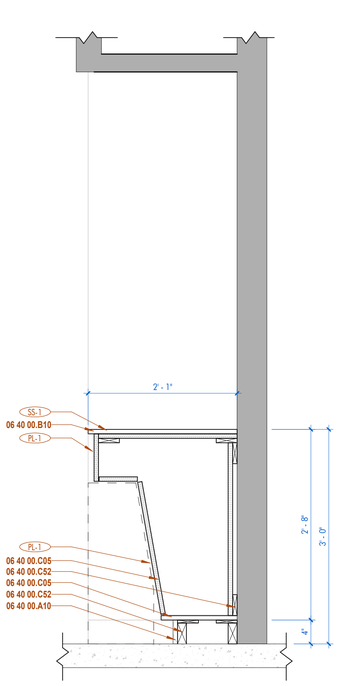
5 MILLWORK DETAIL 3
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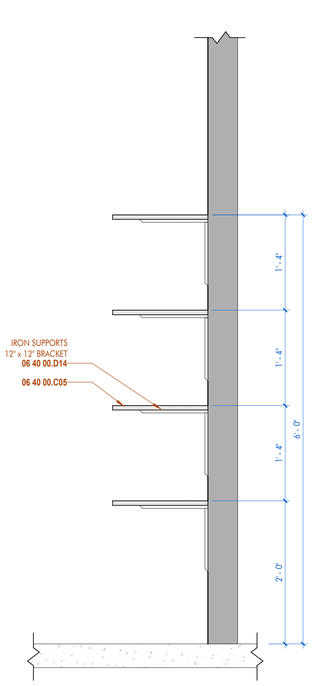
6 MILLWORK DETAIL 4
1" = 1'-0" DRAWN BY: JG



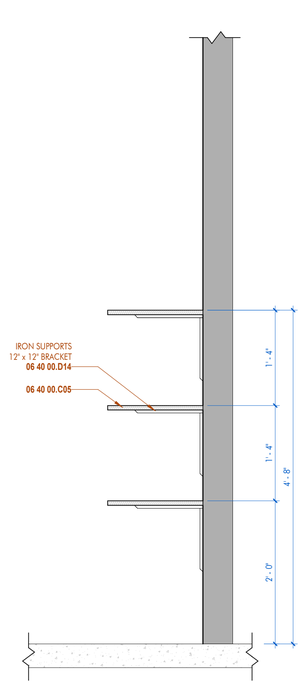
7 MILLWORK DETAIL 5
1" = 1'-0" DRAWN BY: JG



8 MILLWORK DETAIL 6
1" = 1'-0" DRAWN BY: JG



9 MILLWORK DETAIL 7
1" = 1'-0" DRAWN BY: JG



10 MILLWORK DETAIL 8
1" = 1'-0" DRAWN BY: JG

ARCHITECT
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3200 sw regency pkwy, ste 4 bentonville, ar 72712
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REGISTRATION

REGISTERED ARCHITECT
MICHAEL K. BUTTRICK
STATE OF ARKANSAS

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ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

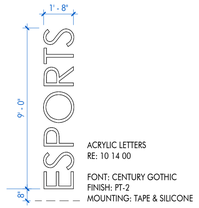
PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001
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director review

INTERIOR DETAILS

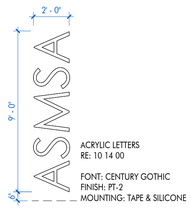
A10.04



ACRYLIC LETTERS
RE: 10 14 00

FONT: CENTURY GOTHIC
FINISH: PT-2
MOUNTING: TAPE & SILICONE

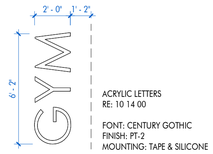
3 | RS-09 - ESPORTS SIGNAGE
1/4" = 1'-0" DRAWN BY: JG



ACRYLIC LETTERS
RE: 10 14 00

FONT: CENTURY GOTHIC
FINISH: PT-2
MOUNTING: TAPE & SILICONE

4 | RS-10 - ASMSA SIGNAGE
1/4" = 1'-0" DRAWN BY: JG



ACRYLIC LETTERS
RE: 10 14 00

FONT: CENTURY GOTHIC
FINISH: PT-2
MOUNTING: TAPE & SILICONE

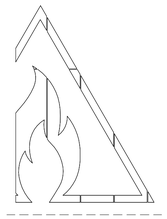
5 | RS-11 - GYM SIGNAGE
1/4" = 1'-0" DRAWN BY: JG



ACRYLIC LETTERS
RE: 10 14 00

FONT: CENTURY GOTHIC
FINISH: PT-4
MOUNTING: TAPE & SILICONE

6 | RS-12 - EXERCISE SIGNAGE
1/4" = 1'-0" DRAWN BY: JG



"WOOD" PRINT ON BACK OF
CLEAR ACRYLIC SIGNAGE

ARCHITECT TO PROVIDE ART FILE
MOUNTING: TAPE AND SILICONE

RE: 10 14 00

7 | RS-13 - LOGO SIGNAGE
1/4" = 1'-0" DRAWN BY: JG

ALUMINUM LETTERS
RE: 10 14 00

FONT: CENTURY GOTHIC
FINISH: BLACK ANODIZED
MOUNTING: FLUSH STUD MOUNT

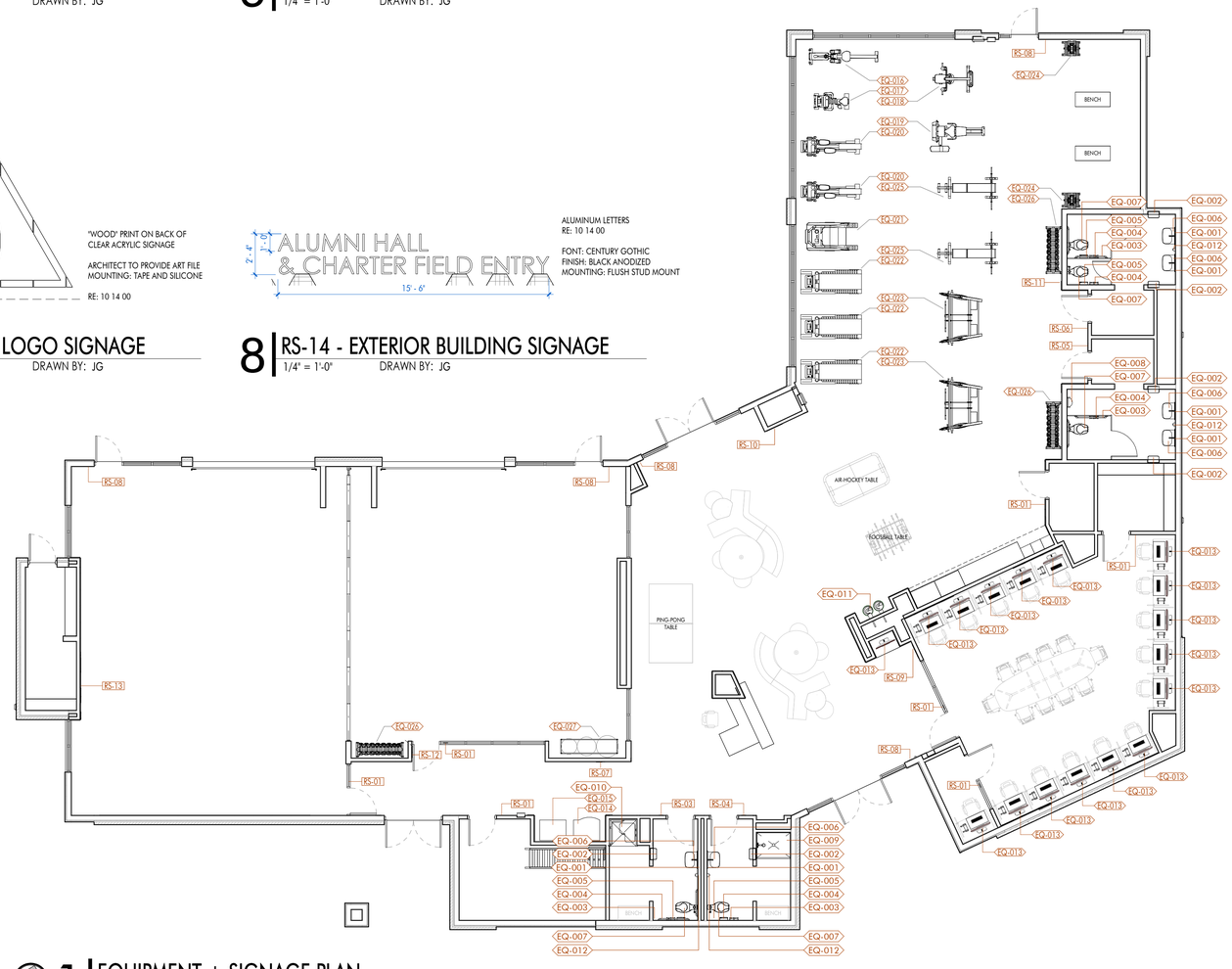
8 | RS-14 - EXTERIOR BUILDING SIGNAGE
1/4" = 1'-0" DRAWN BY: JG

EQUIPMENT LIST

MARK	DESCRIPTION	MODEL #	PROVIDED BY	INSTALLED BY	COUNT	COMMENTS
EQ-013	COMPUTER MONITOR		OWNER	OWNER	17	
EQ-014	VENDING MACHINE (DRINK)		OWNER	CONTRACTOR	1	
EQ-015	VENDING MACHINE (FOOD)		OWNER	CONTRACTOR	1	

GYM EQUIPMENT LIST

MARK	DESCRIPTION	MODEL #	PROVIDED BY	INSTALLED BY	COUNT	COMMENTS
EQ-016	ROWER		OWNER	OWNER	1	
EQ-017	UPRIGHT BIKE		OWNER	OWNER	1	
EQ-018	CHEST PRESS		OWNER	OWNER	1	
EQ-019	LEG PRESS		OWNER	OWNER	1	
EQ-020	ELLIPTICAL		OWNER	OWNER	2	
EQ-021	STEPPER		OWNER	OWNER	1	
EQ-022	TREADMILL		OWNER	OWNER	3	
EQ-023	CABLE MACHINE		OWNER	OWNER	2	
EQ-024	WEIGHT TREE RACK		OWNER	OWNER	2	
EQ-025	WEIGHT BENCH		OWNER	OWNER	2	
EQ-026	DUMBBELL RACK		OWNER	OWNER	3	
EQ-027	EXERCISE BALL RACK		OWNER	OWNER	1	

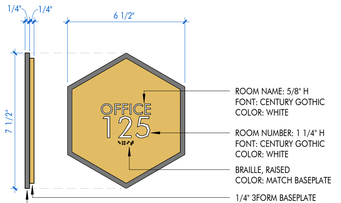


1 | EQUIPMENT + SIGNAGE PLAN
1/8" = 1'-0" DRAWN BY: JG

NOTE: TABLES, CHAIRS, AND BENCHES ARE SHOWN FOR CLARITY AND INTENT.
THESE ARE OWNER PROVIDED AND OWNER INSTALLED.

PLUMBING FIXTURES & ACCESSORIES

MARK	DESCRIPTION	MODEL #	PROVIDED BY	INSTALLED BY	COUNT	COMMENTS
EQ-001	FRAMED MIRROR	RE: SPECS	CONTRACTOR	CONTRACTOR	6	
EQ-002	PAPER TOWEL DISPENSER + TRASH	RE: SPECS	OWNER	OWNER	6	
EQ-003	GRAB BARS	RE: SPECS	CONTRACTOR	CONTRACTOR	4	
EQ-004	TOILET TISSUE DISPENSER	RE: SPECS	OWNER	OWNER	5	
EQ-005	SANITARY NAPKIN DISPOSAL	RE: SPECS	OWNER	OWNER	4	
EQ-006	WALL MOUNTED SINK	RE: SPECS	CONTRACTOR	CONTRACTOR	6	
EQ-007	FLOOR MOUNTED TOILET	RE: SPECS	CONTRACTOR	CONTRACTOR	5	
EQ-008	ADA HEIGHT URINAL	RE: SPECS	CONTRACTOR	CONTRACTOR	1	
EQ-009	PREFAB ADA SHOWER	RE: SPECS	CONTRACTOR	CONTRACTOR	1	
EQ-010	PREFAB SHOWER	RE: SPECS	CONTRACTOR	CONTRACTOR	1	
EQ-011	HI-LOW DRINKING FOUNTAIN	RE: SPECS	CONTRACTOR	CONTRACTOR	1	
EQ-012	WALL MOUNTED SOAP DISPENSER	RE: SPECS	OWNER	OWNER	4	



ROOM NAME: 5/8" H
FONT: CENTURY GOTHIC
COLOR: WHITE

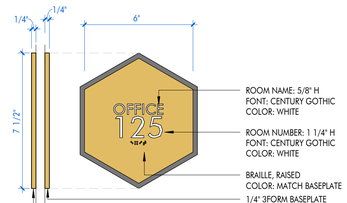
ROOM NUMBER: 1 1/4" H
FONT: CENTURY GOTHIC
COLOR: WHITE

BRAILLE, RAISED
COLOR: MATCH BASEPLATE

1/4" 3FORM BASEPLATE
COLOR: VILLA CINEMA (RP-1)

1/4" 3FORM BACKPLATE
COLOR: SMUDGE N37 (RP-2)

RS-01
TYPICAL SIGNAGE
DESCRIPTION: TYPICAL SIGNAGE (WALL MOUNT)
MOUNTING: TAPE & SILICONE MOUNT, RE: SPECS
LOCATION: RE: SIGNAGE PLAN



ROOM NAME: 5/8" H
FONT: CENTURY GOTHIC
COLOR: WHITE

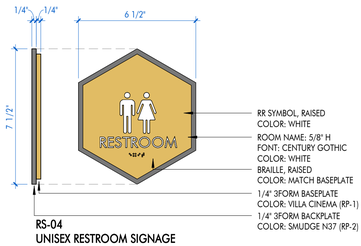
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COLOR: WHITE

BRAILLE, RAISED
COLOR: MATCH BASEPLATE

1/4" 3FORM BASEPLATE
COLOR: VILLA CINEMA (RP-1)

1/4" 3FORM BACKPLATE
COLOR: VILLA CINEMA (RP-1)

RS-02
TYPICAL SIGNAGE (GLAZING MOUNTED)
DESCRIPTION: TYPICAL SIGNAGE (GLAZING MOUNT)
MOUNTING: INTERIOR GLAZING SANDWICHED BETWEEN TAPE & SILICONE MOUNT BACK PLATE & BASE PLATE, RE: SPECS
LOCATION: RE: SIGNAGE PLAN



RR SYMBOL, RAISED
COLOR: WHITE

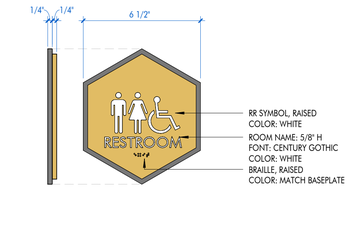
ROOM NAME: 5/8" H
FONT: CENTURY GOTHIC
COLOR: WHITE

BRAILLE, RAISED
COLOR: MATCH BASEPLATE

1/4" 3FORM BASEPLATE
COLOR: VILLA CINEMA (RP-1)

1/4" 3FORM BACKPLATE
COLOR: SMUDGE N37 (RP-2)

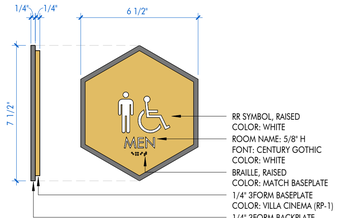
RS-04
UNISEX RESTROOM SIGNAGE
DESCRIPTION: UNISEX RESTROOM SIGNAGE (WALL MOUNT)
MOUNTING: TAPE & SILICONE MOUNT, RE: SPECS
LOCATION: RE: SIGNAGE PLAN



RR SYMBOL, RAISED
COLOR: WHITE

ROOM NAME: 5/8" H
FONT: CENTURY GOTHIC
COLOR: WHITE

BRAILLE, RAISED
COLOR: MATCH BASEPLATE



RR SYMBOL, RAISED
COLOR: WHITE

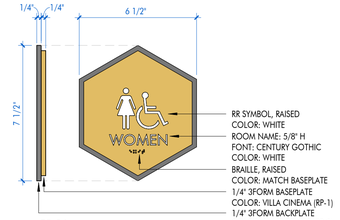
ROOM NAME: 5/8" H
FONT: CENTURY GOTHIC
COLOR: WHITE

BRAILLE, RAISED
COLOR: MATCH BASEPLATE

1/4" 3FORM BASEPLATE
COLOR: VILLA CINEMA (RP-1)

1/4" 3FORM BACKPLATE
COLOR: SMUDGE N37 (RP-2)

RS-05
MEN'S RESTROOM SIGNAGE (ADA)
DESCRIPTION: MEN'S RESTROOM SIGNAGE (WALL MOUNT)
MOUNTING: TAPE & SILICONE MOUNT, RE: SPECS
LOCATION: RE: SIGNAGE PLAN



RR SYMBOL, RAISED
COLOR: WHITE

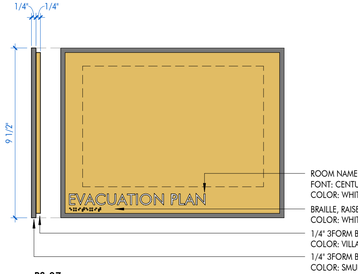
ROOM NAME: 5/8" H
FONT: CENTURY GOTHIC
COLOR: WHITE

BRAILLE, RAISED
COLOR: MATCH BASEPLATE

1/4" 3FORM BASEPLATE
COLOR: VILLA CINEMA (RP-1)

1/4" 3FORM BACKPLATE
COLOR: SMUDGE N37 (RP-2)

RS-06
WOMEN'S RESTROOM SIGNAGE (ADA)
DESCRIPTION: WOMEN'S RESTROOM SIGNAGE (WALL MOUNT)
MOUNTING: TAPE & SILICONE MOUNT, RE: SPECS
LOCATION: RE: SIGNAGE PLAN



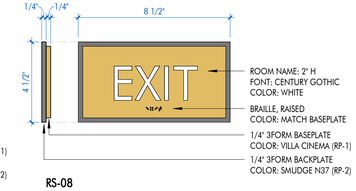
ROOM NAME: 5/8" H
FONT: CENTURY GOTHIC
COLOR: WHITE

BRAILLE, RAISED
COLOR: WHITE

1/4" 3FORM BASEPLATE
COLOR: VILLA CINEMA (RP-1)

1/4" 3FORM BACKPLATE
COLOR: SMUDGE N37 (RP-2)

RS-07
EVACUATION SIGNAGE
DESCRIPTION: EVACUATION SIGNAGE
MOUNTING: TAPE & SILICONE MOUNT, RE: SPECS
LOCATION: RE: SIGNAGE PLAN



ROOM NAME: 2" H
FONT: CENTURY GOTHIC
COLOR: WHITE

BRAILLE, RAISED
COLOR: MATCH BASEPLATE

1/4" 3FORM BASEPLATE
COLOR: VILLA CINEMA (RP-1)

1/4" 3FORM BACKPLATE
COLOR: SMUDGE N37 (RP-2)

RS-08
EXIT SIGNAGE
DESCRIPTION: EXIT SIGNAGE (WALL MOUNT)
MOUNTING: TAPE & SILICONE MOUNT, RE: SPECS
LOCATION: RE: SIGNAGE PLAN

2 | ROOM SIGNAGE TYPES
3" = 1'-0" DRAWN BY: JG

ARCHITECT
DOMAIN ARCHITECTURE
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t: 479.255.5879 f: 225.216.3771
www.domainbr.com

REGISTRATION

REGISTERED ARCHITECT
MICHAEL K. RUTLEDGE
NO. 10216
STATE OF ARKANSAS

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Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

EQUIPMENT + SIGNAGE PLAN

A12.01

2026 AUGUST 28

CODE AND DESIGN CRITERIA

1. STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING:
   - 2021 ARKANSAS FIRE PREVENTION VOL II — INCORPORATING THE 2021 INTERNATIONAL BUILDING CODE
2. STRUCTURE RISK CATEGORY
   - RISK CATEGORY II
3. GRAVITY LOADS
   - 3.1. ROOF DEAD LOADS (IN ADDITION TO STRUCTURE SELF-WEIGHT):

• ROOFING	2.4 PSF
• INSULATION	7.5 PSF
• MEP ALLOWANCE	6.0 PSF
• CEILING ALLOWANCE	1.0 PSF
• MISCELLANEOUS	1.1 PSF
• TOTAL	18.0 PSF
• MAXIMUM DEAD LOAD USED FOR UPLIFT	10.0 PSF

   - 3.2. UNIFORM ROOF LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
     - ROOF 20 PSF
4. ROOF SNOW LOAD DATA
   - GROUND SNOW LOAD P_g = 10.0 PSF
5. WIND DESIGN DATA

• BASIC DESIGN WIND SPEED	V = 105 MILES/HOUR
• ALLOWABLE STRESS DESIGN WIND SPEED	V_{asd} = 81.33 MILES/HOUR
• WIND EXPOSURE	EXPOSURE C
• INTERNAL PRESSURE COEFFICIENT	GC_{pi} = +/- 0.18
• COMPONENTS AND CLADDING DESIGN WIND PRESSURES (ULTIMATE)	
◦ REFER TO COMPONENTS AND CLADDING DIAGRAM AND SCHEDULE ON SHEET S0.02	

6. EARTHQUAKE DESIGN DATA

• SEISMIC IMPORTANCE FACTOR	I_e = 1.00
• MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS	
◦ 0.2-SECOND PERIOD	S_S = 0.237
◦ 1.0-SECOND PERIOD	S_1 = 0.111
• SITE CLASS	SITE CLASS C
• DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS	
◦ 0.2-SECOND PERIOD	S_{DS} = 0.205
◦ 1.0-SECOND PERIOD	S_{D1} = 0.111
• SEISMIC DESIGN CATEGORY	SDC B
• ENTIRE BUILDING	
◦ BASIC SEISMIC FORCE RESISTING SYSTEM	STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
· RESPONSE MODIFICATION COEFFICIENT	R = 3.0
◦ SEISMIC RESPONSE COEFFICIENTS	CS = 0.068
◦ DESIGN BASE SHEAR	V = 20.5 KIPS
• ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE ANALYSIS

GENERAL

1. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL, OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, DESIGN PROFESSIONAL, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS, NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE DESIGN PROFESSIONAL OF RECORD OR ANY OF THE DESIGN PROFESSIONAL OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
2. THE CONTRACT DOCUMENTS INCLUDE BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.
3. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR REFERENCE TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION, OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS UNLESS SPECIFICALLY STATED OTHERWISE.
4. THE CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, SJI, OR OTHER STANDARDS. WHERE A CONFLICT OCCURS WITHIN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.
5. MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.
6. THE CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL, ELECTRICAL, MECHANICAL, PLUMBING, AND CIVIL DOCUMENTS. THE DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS, REFER TO THE ARCHITECTURAL DRAWINGS.
7. THE CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, MEMBER SIZES, AND SITE CONDITIONS BEFORE STARTING WORK. THE DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY.
8. THE CONTRACTOR SHALL VERIFY THE STRUCTURALLY SUPPORTED MECHANICAL EQUIPMENT WEIGHTS, OPENING SIZES, AND OPENING LOCATIONS IDENTIFIED ON THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING MECHANICAL EQUIPMENT DIMENSIONS AND WEIGHTS WITH THE EQUIPMENT VENDOR. NOTIFY THE DESIGN PROFESSIONAL OF ANY DISCREPANCY.
9. THE CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC. IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING DIMENSIONS AND WEIGHTS WITH THE VENDOR.
10. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING DIMENSIONS, LOCATIONS, AND DEPTHS OF SLAB RECESSES WITH ARCHITECTURAL DRAWINGS, INTERIOR DRAWINGS, AND PRODUCT MANUFACTURERS.
11. REFER TO ARCHITECTURAL DRAWINGS FOR NON-LOAD BEARING PARTITION FRAMING. PROVIDE CONNECTIONS TO THE PRIMARY STRUCTURE THAT ACCOMMODATE THE VERTICAL LIVE LOAD DEFLECTIONS OF THE SUPPORTING ELEMENTS.
12. THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
13. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.
14. STRUCTURE IS DESIGNED ONLY FOR THE INDICATED LOADS UNLESS SPECIFICALLY INDICATED. VERIFICATION OF THE STRUCTURE TO SUPPORT CONSTRUCTION LOADING (INCLUDING HEAVY EQUIPMENT, SCISSOR LIFTS, SCAFFOLDING, CONSTRUCTION MATERIAL STORAGE, ETC) IS THE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT VERIFICATION CALCULATIONS TO THE STRUCTURAL DESIGN PROFESSIONAL FOR REVIEW PRIOR TO CONSTRUCTION LOADING OF ANY PORTION OF THE STRUCTURE. VERIFICATION SUBMITTALS SHALL BE SIGNED AND SEALED BY A REGISTERED ENGINEER LICENSED IN THE PROJECT STATE.
15. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.
16. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE USE OF CONSTRUCTION EQUIPMENT ON THE STRUCTURE. ANY DAMAGE CAUSED BY CONSTRUCTION EQUIPMENT SHALL BE REPAIRED.
17. DO NOT USE DIMENSIONS SCALED FROM THE CONTRACT DOCUMENTS OR TAKEN FROM ANY ELECTRONIC DOCUMENT.
18. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE DESIGN PROFESSIONAL DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE DESIGN PROFESSIONAL. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS REQUIRED TO REVIEW SHOP DRAWINGS AND COORDINATE WITH OTHER TRADES BEFORE SENDING THE SHOP DRAWINGS FOR REVIEW BY THE DESIGN PROFESSIONAL.
19. REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.
20. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE LOCATIONS SPECIFICALLY INDICATED.
21. PROVIDE EQUAL SPACING OF ELEMENTS UNLESS NOTED OTHERWISE IN THE STRUCTURAL CONTRACT DOCUMENTS.

DEFERRED DESIGN ITEMS

1. THE STRUCTURAL DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR THE DESIGN AND CONNECTIONS OF DEFERRED DESIGN ITEMS OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS. DEFERRED SUBMITTALS SHALL BE SEALED BY AN ENGINEER LICENSED IN THE PROJECT JURISDICTION.
2. DEFERRED DESIGN ITEMS / DEFERRED SUBMITTALS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING UNLESS SPECIFICALLY NOTED OTHERWISE:
   - STRUCTURAL STEEL CONNECTIONS
   - STRUCTURAL STEEL JOISTS
   - COLD-FORMED METAL FRAMING AND ATTACHMENTS TO STRUCTURE
   - CANOPIES & SUNSHADES
   - STOREFRONT / CURTAIN WALL SYSTEMS, CONNECTIONS, AND ATTACHMENTS

FOUNDATION

1. THE FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY MTA ENGINEERS; PROJECT NUMBER GEO26-048, DATED 31 MARCH 2026. DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT FROM THOSE ASSUMED FOR DESIGN.
2. INDIVIDUAL SPREAD FOOTINGS, CONTINUOUS SPREAD FOOTINGS AND TURNED DOWN SLAB EDGES SHALL BEAR ON SOIL CAPABLE OF SUPPORTING 3000 PSF.
3. CLEAR SUBGRADE BY STRIPPING ALL VEGETATION, TOPSOIL, ORGANIC SOILS, UNSTABLE FILL, LOOSE ROCK FRAGMENTS GREATER THAN 6 INCHES IN DIAMETER, DEMOLITION DEBRIS, AND OTHER DEBRIS. UNSUITABLE EXISTING FILL AND MATERIALS (AS DETERMINED BY A QUALIFIED REPRESENTATIVE OF THE INDEPENDENT TESTING AGENCY) SHALL BE REMOVED AND REPLACED WITH COMPACTED STRUCTURAL FILL.
4. PROOF ROLL THE BUILDING AREA AFTER STRIPPING OPERATIONS AND EXCAVATIONS TO PLANNED SUBGRADE ARE COMPLETE. PROOF ROLL THE BUILDING AREA WITH TWO COMPLETE COVERAGES (MINIMUM) OF A FULLY-LOADED, TANDEM AXLE DUMP TRUCK, OR SCRAPPER (31 TON MINIMUM.) PROOF ROLLING OPERATIONS SHALL BE REVIEWED AND CONDUCTED UNDER THE DIRECTION OF A QUALIFIED REPRESENTATIVE OF THE INDEPENDENT TESTING AGENCY. SOFT SOILS, SOILS THAT DISPLAY PUMPING, AND OTHER SOILS JUDGED UNSATISFACTORY BY THE REPRESENTATIVE OF THE STRUCTURAL TESTING/INSPECTION AGENCY SHALL BE UNDERCUT AND REPLACED WITH COMPACTED STRUCTURAL FILL OR REMEDIATED ACCORDING TO THE REPRESENTATIVE'S RECOMMENDATIONS AND THE REQUIREMENTS OF THE SPECIFICATIONS. AREAS RECEIVING STRUCTURAL FILL SHALL BE PROOF ROLLED BEFORE PLACEMENT OF THE FILL.
5. DENSIFY BUILDING AREAS AND A MINIMUM OF 5'-0" OUTSIDE THE BUILDING PERIMETER USING A VIBRATORY ROLLER (REFER TO THE SPECIFICATIONS).
6. UNDERCUT THE ENTIRE BUILDING AREA TO THE EXTENT SHOWN ON THE STRUCTURAL DOCUMENTS AND REPLACE REMOVED MATERIAL WITH COMPACTED STRUCTURAL FILL AS REQUIRED BY THE SPECIFICATIONS.
7. STRUCTURAL FILL SHALL CONTAIN NO ORGANIC MATERIAL AND BE APPROVED BY A GEOTECHNICAL ENGINEER BEFORE PLACEMENT. STRUCTURAL FILL UNDER SLABS AND WITHIN 5'-0" OF THE BUILDING FOOTPRINT SHALL BE PLACED IN LIFTS OF THICKNESS DETERMINED BY THE INDEPENDENT TESTING AGENCY AND COMPACTED TO AT LEAST 95 PERCENT OF ITS MODIFIED PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D1557.
8. MAINTAIN PROPER DRAINAGE OF THE SITE AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE A SYSTEM FOR CONTROLLING GROUNDWATER TO PRESERVE THE INTEGRITY OF THE FOUNDATION AND BUILDING SUBGRADE. REMEDIAL WORK WILL BE REQUIRED WHERE WATER HAS REDUCED THE INTEGRITY OF THE FOUNDATION AND SUBGRADE SYSTEMS. DO NOT ALLOW WATER TO STAND, POND, OR COLLECT IN THE FOUNDATION EXCAVATIONS, ON FLOOR SLAB AREAS, OR ON PREPARED SUBGRADES DURING OR AFTER CONSTRUCTION.
9. FOOTINGS SHALL BE CENTERED ABOUT COLUMN LINES UNLESS NOTED OTHERWISE.
10. THE TIME BETWEEN CONCRETE TRUCK LOADS DURING A CONCRETE PLACEMENT FOR SPREAD FOOTINGS, CONTINUOUS FOOTINGS, PILE CAPS, MATS, GRADE BEAMS, AND TIE BEAMS SHALL NOT CAUSE UNPLANNED COLD JOINTS.
11. ALL FOOTINGS AND TURN DOWN SLAB EDGES SHALL PENETRATE TO A MINIMUM DEPTH OF 24 INCHES BELOW FINISHED GRADE.

REINFORCEMENT

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
2. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE REINFORCING BAR SIZES AND PLACEMENT. WRITTEN DESCRIPTION OF REINFORCEMENT WITHOUT ADEQUATE SECTIONS, ELEVATIONS, AND DETAILS IS NOT ACCEPTABLE.
3. SPLICES SHALL BE CLASS B IN ACCORDANCE WITH ACI 318, UNLESS NOTED OTHERWISE. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED IN THE STRUCTURAL DOCUMENTS, EXCEPT REINFORCEMENT MARKED "CONTINUOUS" CAN BE SPLICED AT LOCATIONS DETERMINED BY CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE DESIGN PROFESSIONAL.
4. PROVIDE DOWELS FROM FOUNDATIONS THE SIZE AND NUMBER AS THE VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE.
5. ALL DOWELS AND TERMINATING BARS SHALL HAVE A STANDARD 90-DEGREE HOOK.
6. ALL HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH CONTROL AND/OR CONSTRUCTION JOINTS AND AROUND CORNERS, UNLESS NOTED OTHERWISE.
7. PROVIDE CORNER BARS AT INTERSECTIONS AND CORNERS OF WALLS AND FOUNDATIONS. CORNER BARS TO MATCH SIZE AND QUANTITY OF CONTINUOUS REINFORCEMENT AND PROVIDE A CLASS B LAP SPLICE.
8. PLACE REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:
   - 8.1. COVER OF CONCRETE EXPOSED TO GROUND OR WEATHER:

• UNFORMED, CAST AGAINST GROUND	3 INCH CLEAR
• FORMED, #6 AND LARGER	2 INCH CLEAR
• FORMED, #5 AND SMALLER	1-1/2 INCH CLEAR

9. PROVIDE REINFORCING SUPPORTS AND CHAIRS FOR ALL DEFORMED BARS AND WELDED WIRE REINFORCEMENT IN ACCORDANCE WITH CRSI PLACING REINFORCING BARS.
10. UNLESS NOTED OTHERWISE ON THE STRUCTURAL DOCUMENTS, PROVIDE A MINIMUM OF TWO #5 CONTINUOUS BARS TOP BARS TO SUPPORT BEAM STIRRUPS WHERE NO TOP BARS ARE SCHEDULED OR NOTED.

CAST-IN-PLACE CONCRETE

1. CONCRETE WORK SHALL CONFORM TO ACI 301, ACI 318, AND CRSI STANDARDS.
2. CONCRETE SHALL BE THE FOLLOWING SPECIFIED PROPERTIES (MINIMUM EXPOSURE CLASS [EXPOSURE CLASS], MAXIMUM WATER-TO-CEMENTITIOUS MATERIALS RATIO [W/CM], MAXIMUM AGGREGATE SIZE [AG SZ], AND MINIMUM 28-DAY COMPRESSIVE STRENGTH [STRENGTH]):
   - 2.1. NORMALWEIGHT STRUCTURAL CONCRETE:

ELEMENT	EXPOSURE CLASS	W/CM	AG SZ	STRENGTH
• FOOTINGS	F0 S0 W0 C1	0.50	1.50"	3000 PSI
• PEDESTALS	F0 S0 W0 C1	0.50	1.00"	3000 PSI
• INTERIOR SLABS-ON-GROUND	F0 S0 W0 C1	0.50	1.00"	4000 PSI
• SITE RETAINING WALLS/STEMWALLS	F2 S0 W1 C1	0.45	1.00"	4500 PSI

3. DO NOT PLACE PIPES, CONDUITS, OR DUCTS INSIDE AND RUNNING PARALLEL TO BEAMS WITHOUT PRIOR AUTHORIZATION FROM THE STRUCTURAL DESIGN PROFESSIONAL.
4. PIPES, CONDUITS, OR DUCTS SHALL NOT EXCEED ONE-FIFTH OF THE SLAB OR WALL THICKNESS (INCLUDING CROSSINGS) UNLESS SPECIFICALLY DETAILED IN THE STRUCTURAL DOCUMENTS OR APPROVED IN WRITING BY THE STRUCTURAL DESIGN PROFESSIONAL. PLACE ALL PIPES, CONDUITS, AND DUCTS IN THE MIDDLE THIRD OF THE SLAB OR WALL THICKNESS UNLESS SPECIFICALLY DETAILED OTHERWISE IN THE STRUCTURAL DOCUMENTS. REFER TO THE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF SLEEVES, ACCESSORIES, ETC. CONDUIT IN COMPOSITE SLABS SHALL NOT EXCEED 3/4 INCH DIAMETER EMT AND SHALL NOT BE SPACED CLOSER THAN 12 INCHES.
5. REFER TO THE ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS, OR GROUNDS REQUIRED TO BE ENCASED IN CONCRETE AND FOR THE LOCATION OF FLOOR FINISHES AND SLAB DEPRESSIONS.
6. CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE STRUCTURAL DESIGN PROFESSIONAL. NO HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED EXCEPT THOSE SHOWN ON THE STRUCTURAL DRAWINGS.

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MATERIAL LEGEND

- EARTH
- GRANULAR BASE
- CAST IN PLACE CONCRETE
- PRECAST CONCRETE
- NON SHRINK GROUT
- STEEL
- CMU

ABBREVIATIONS

ADDL	ADDITIONAL
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
AOR	ARCHITECT OF RECORD
ARCH	ARCHITECT / ARCHITECTURAL
B/xxx	BOTTOM OF xxx
BFF	BELOW FINISHED FLOOR
BOT	BOTTOM
BRG	BEARING
CFMF	COLD FORMED METAL FRAMING
CJ	CONTRACTION JOINT / CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTER LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CS	COLUMN STRIP
DBA	DEFORMED BAR ANCHOR
DBE	DECK BEARING ELEVATION
DBL	DOUBLE
DEG	DEGREE
DIA	DIAMETER
DTL	DETAIL
DWG	DRAWING
EA	EACH
EE	EACH END
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
EMBED	EMBEDMENT / EMBEDDED
ENG	ENGINEER / ENGINEERING
EOD	EDGE OF DECK
EOR	ENGINEER OF RECORD
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F/xxx	FACE OF xxx
FD	FLOOR DRAIN
FDN	FOUNDATION
FFE	FINISHED FLOOR ELEVATION
FLR	FLOOR
FS	FAR SIDE
FT	FEET
FTG	FOOTING
FV	FIELD VERIFY
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GYP	GYPSUM
HORIZ	HORIZONTAL
HSA	HEADED STUD ANCHOR
ICF	INSULATED CONCRETE FORMS
IF/xxx	INSIDE FACE OF xxx
INT	INTERIOR
JBE	JOIST BEARING ELEVATION

ABBREVIATIONS

JT	JOINT
K	KIPS
KSI	KIPS PER SQUARE INCH
LBS	POUNDS
LF	LINEAR FEET
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LW	LIGHT WEIGHT
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL/ELECTRICAL/PLUMBING
MFR	MANUFACTURER / MANUFACTURING
MIN	MINIMUM
MISC	MISCELLANEOUS
MS	MIDDLE STRIP
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NS	NEAR SIDE
NTS	NOT TO SCALE
NW	NORMAL WEIGHT
OC	ON CENTER
OF/xxx	OUTSIDE FACE OF xxx
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
PAF	POWER / POWDER ACTUATED FASTENER
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PEMB	PRE-ENGINEERED METAL BUILDING
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSIONED
QTY	QUANTITY
RD	ROOF DRAIN
REF	REFER TO
REINF	REINFORCING / REINFORCEMENT
REQD	REQUIRED
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
SCHED	SCHEDULE
SDS	SELF-DRILLING SCREWS
SF	SQUARE FEET
SIM	SIMILAR
SP	SPECIAL
SPA	SPACE / SPACING
SPECS	SPECIFICATIONS
SS	STAINLESS STEEL
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STR	STRUCTURE / STRUCTURAL
SW	SHEAR WALL
SYM	SYMMETRICAL
T	TOP
T/xxx	TOP OF xxx
TRANS	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
WP	WORK POINT
WWR	WELDED WIRE REINFORCEMENT

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CHARTER FIELD

ASMSA ALUMNI HALL & NEW CHARTER FIELD

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HOT SPRINGS, AR 71901

PROJECT INFORMATION

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date 2026 AUGUST 28

director review

GENERAL STRUCTURAL NOTES

S0.01

2026 AUGUST 28

POST-INSTALLED FASTENING AND ANCHORAGE IN CONCRETE

1. PROVIDE POST-INSTALLED ANCHORS ONLY WHERE SPECIFIED IN THE CONSTRUCTION DOCUMENTS OR WHERE SPECIFICALLY APPROVED BY THE STRUCTURAL DESIGN PROFESSIONAL. SUBMIT PROPOSED POST-INSTALLED ANCHORING PRODUCTS BEFORE USE.
2. SUBMIT SUBSTITUTION REQUESTS FOR SPECIFICALLY REFERENCED ANCHOR SOLUTIONS TO THE STRUCTURAL DESIGN PROFESSIONAL. SUBSTITUTION REQUESTS MUST FOLLOW THE PROCEDURE INDICATED IN THE CONSTRUCTION DOCUMENTS. CALCULATIONS SHOWING THE PROPOSED PRODUCT CAN ACHIEVE PERFORMANCE EQUAL TO THE PRODUCT SPECIFIED IN THE CONSTRUCTION DOCUMENTS MUST ACCOMPANY ANY SUBSTITUTION REQUEST. CALCULATIONS MUST BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE PROJECT JURISDICTION.
3. SUBSTITUTION OF POST-INSTALLED ANCHORS FOR MISPLACED, DAMAGED, OR MISSING CAST-IN-PLACE ANCHORS REQUIRES THE APPROVAL OF THE STRUCTURAL DESIGN PROFESSIONAL BEFORE INSTALLATION.
4. PROVIDE CARBON STEEL ANCHOR RODS FOR ADHESIVE ANCHORING SYSTEMS MADE OF MATERIAL CONFORMING TO ASTM A193, GRADE B7. PROVIDE STAINLESS STEEL ANCHOR RODS FOR ADHESIVE ANCHORING SYSTEMS MADE OF MATERIAL CONFORMING TO ASTM A193, GRADE B6.
5. PROVIDE POST-INSTALLED, MECHANICAL CONCRETE ANCHORS IN CRACKED AND UNCRACKED CONCRETE MEETING THE FOLLOWING CRITERIA:
   - 5.1. ANCHORS SHALL BE TESTED AND QUALIFIED IN ACCORDANCE WITH ACI 355.2 AND/OR ICC-ES AC193 FOR USE IN CRACKED CONCRETE. ANCHORS SHALL BEAR A VALID ICC-ES REPORT (OR EQUIVALENT).
   - 5.2. ANCHORS SHALL BE APPROVED TO RESIST WIND AND SEISMIC LOADING.
   - 5.3. THE MINIMUM EMBEDMENT LENGTH OF ANCHORS SHALL BE SIX TIMES THE ANCHOR DIAMETER UNLESS NOTED OTHERWISE.
6. PROVIDE POST-INSTALLED, ADHESIVE CONCRETE ANCHORS IN CRACKED AND UNCRACKED CONCRETE MEETING THE FOLLOWING CRITERIA:
   - 6.1. ADHESIVE ANCHOR SYSTEMS (ADHESIVES AND CONNECTING HARDWARE) SHALL BE TESTED AND QUALIFIED IN ACCORDANCE WITH ACI 355.4 AND/OR ICC-ES AC308 FOR USE IN CRACKED CONCRETE. ANCHOR SYSTEMS SHALL BEAR A VALID ICC-ES REPORT (OR EQUIVALENT).
   - 6.2. ADHESIVE ANCHOR SYSTEMS INSTALLED IN OVERHEAD OR UPWARDLY INCLINED ORIENTATIONS, AND ADHESIVE ANCHOR SYSTEMS RESISTING SUSTAINED TENSION LOADS SHALL BE INSTALLED BY INSTALLERS CERTIFIED IN ACCORDANCE WITH THE ACI/CSRI "ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM."
   - 6.3. THE INSTALLATION SHALL BE INSPECTED IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.
   - 6.4. THE MINIMUM EMBEDMENT LENGTH OF ANCHORS SHALL BE SIX TIMES THE ANCHOR DIAMETER UNLESS NOTED OTHERWISE.
   - 6.5. THE MINIMUM EMBEDMENT LENGTH OF POST-INSTALLED REINFORCING BARS SHALL BE 12 BAR DIAMETERS UNLESS NOTED OTHERWISE.
   - 6.6. THE DESIGN OF ADHESIVE ANCHOR SYSTEMS ASSUMES THE FOLLOWING:
     - CONCRETE IS AT LEAST 21 DAYS OLD.
     - HOLES ARE DRY AT THE TIME OF INSTALLATION.
     - THE ACI 355.4 TEMPERATURE CATEGORY IS CATEGORY B.
7. PREPARE THE HOLE AND INSTALL THE ANCHORS IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. DO NOT CORE DRILL INSTALLATION HOLES WITHOUT THE APPROVAL OF THE STRUCTURAL DESIGN PROFESSIONAL.
8. POST-INSTALLED ANCHORS EXPOSED TO WEATHER SHALL BE GALVANIZED.
9. FIELD VERIFY THE LOCATION OF EXISTING REINFORCEMENT (INCLUDING POST-TENSIONING TENDONS WHERE APPLICABLE) IN EXISTING CONCRETE ELEMENTS PRIOR TO SUBMITTING ANY SHOP DRAWINGS SHOWING POST-INSTALLED ANCHORS. NOTIFY THE STRUCTURAL DESIGN PROFESSIONAL OF ANY CONFLICTS BETWEEN EXISTING REINFORCEMENT AND POST-INSTALLED ANCHORS.
   - 9.1. LOCATION OF EXISTING ELEMENTS MAY BE ESTABLISHED USING GROUND-PENETRATING RADAR (GPR), RADAR IMAGING, X-RAY SCANNING, OR ANY OTHER RELIABLE NON-DESTRUCTIVE METHOD.
10. DO NOT CUT OR DAMAGE ANY EXISTING REINFORCEMENT OR EMBEDDED ITEMS DURING INSTALLATION.
11. THE POST-INSTALLED ANCHOR LOCATIONS MAY BE SHIFTED UP TO 1 INCH TO AVOID EXISTING REINFORCEMENT OR OTHER EMBEDDED ITEMS. THE SHIFT MAY BE IN ANY DIRECTION SO LONG AS IT DOES NOT REDUCE THE CONCRETE EDGE DISTANCE OR THE MINIMUM ANCHOR SPACING REQUIREMENTS. PROVIDE FIELD DRILLED HOLES IN CONNECTING ELEMENTS AS REQUIRED.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING MATERIAL STANDARDS, UNLESS NOTED OTHERWISE.
   - W-SHAPES & WT-SHAPES — ASTM A992
   - SQUARE AND RECTANGULAR TUBES (HSS) — ASTM A500, GRADE C
   - CHANNELS — ASTM A36
   - ANGLES — ASTM A36
   - PLATES, RODS, AND CONNECTING MATERIALS — ASTM A36
2. BOLTS AND ANCHORS:
   - 2.1. BOLTED CONNECTIONS SHALL BE TYPE N (BEARING TYPE WITH THREADS INCLUDED IN THE SHEAR PLANE) WITH MINIMUM 3/4 INCH DIAMETER, ASTM F3125, GRADE A325 BOLTS. ALL MOMENT FRAME AND BRACED FRAME CONNECTIONS SHALL BE SLIP-CRITICAL CONNECTIONS WITH MINIMUM 3/4 INCH DIAMETER ASTM F3125, GRADE A325 BOLTS. FOR PRETENSIONED OR SLIP-CRITICAL JOINTS, THE METHOD OF PRETENSIONING SHALL BE EITHER TURN-OF-NUT WITH MATCHMARKING, DIRECT TENSION INDICATORS (ASTM F959), OR TWIST-OFF-TYPE TENSION CONTROL BOLT ASSEMBLIES (ASTM F3125, GRADE F1852/GRADE F2280).
   - 2.2. ANCHOR RODS SHALL CONFORM TO ASTM F1554, GRADE 36 AND SHALL BE HEADED RODS OR THREADED RODS WITH A HEAVY HEXAGONAL NUT WELDED TO THE BOTTOM OF THE THREADED ROD, UNLESS NOTED OTHERWISE.
3. WELDED CONNECTIONS
   - 3.1. PROVIDE WELDED CONNECTIONS IN ACCORDANCE WITH ANSI/AWS D1.1.
   - 3.2. PROVIDE 70 KSI, LOW HYDROGEN WELDING CONSUMABLES FOR ALL CONNECTIONS UNLESS NOTED OTHERWISE.
4. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO BOTH THE AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND THE AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
5. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS AND CONNECTIONS SHOWN IN THE CONTRACT DOCUMENTS FOR REVIEW BY THE STRUCTURAL DESIGN PROFESSIONAL. REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE DESIGN AND ADEQUACY OF SUCH CONNECTIONS. CONNECTIONS SHALL BE DETAILED BASED ON THE DESIGN INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DESIGNED FOR THE ULTIMATE LOAD REACTION VALUES SHOWN ON THE STRUCTURAL DRAWINGS.
   - 5.1. DEVIATION FROM THE CONNECTION DETAILS DEPICTED IN THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL DESIGN PROFESSIONAL.
   - 5.2. THE STRUCTURAL DESIGN PROFESSIONAL SHALL BE COMPENSATED BY THE CONTRACTOR FOR THE COST INVOLVED IN THE REDESIGN OF CONNECTIONS FOR THE CONVENIENCE OF THE CONTRACTOR.
   - 5.3. STEEL CONNECTIONS NOT COMPLETELY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY THE CONTRACTOR. THE DESIGN SERVICE SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF SERVICES. SHOP DRAWING AND CALCULATIONS FOR SUCH CONNECTIONS SHALL BE SEALED BY AN ENGINEER LICENSED IN THE PROJECT JURISDICTION. REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE DESIGN AND ADEQUACY OF SUCH CONNECTIONS. FOR CONNECTION DETAILS DEPICTING THE ARRANGEMENT CONCEPT OF THE CONNECTION WITHOUT COMPLETE DETAILS, THE CONNECTION DESIGN ENGINEER SHALL FOLLOW THAT ARRANGEMENT CONCEPT IN THE DESIGN.
6. USE PRE-QUALIFIED WELDED JOINTS IN ACCORDANCE WITH AISC AND THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY. "NON-PRE-QUALIFIED JOINTS" SHALL BE QUALIFIED PRIOR TO FABRICATION.
7. STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE GALVANIZED.

STEEL JOISTS

1. STEEL JOISTS, BRIDGING, AND THEIR CONNECTIONS SHALL BE DESIGNED, FABRICATED, AND ERECTED ACCORDING TO THE SPECIFICATIONS OF THE STEEL JOIST INSTITUTE (SJI).
2. STEEL ROOF JOISTS AND BRIDGING SHALL BE DESIGNED FOR A NET UNIFORM UPLIFT LOAD DETERMINED USING THE MAXIMUM DEAD LOAD USED FOR UPLIFT SHOWN IN THE CODE AND DESIGN CRITERIA AND THE APPLICABLE COMPONENTS AND CLADDING PRESSURES.
3. ALL JOISTS SHALL HAVE A MINIMUM ALLOWABLE ROLLOVER CAPACITY OF 1.5 KIPS AND USE A MINIMUM FACTOR OF SAFETY OF 2.0.
4. BRIDGING SHALL BE DESIGNED TO FULLY BRACE TOP CHORD OF JOISTS UNDER SERVICE LOADS FOR ROOF JOISTS NOT BRACED BY STEEL ROOF DECK.
5. THE DESIGN OF STEEL JOISTS, BRIDGING, AND THEIR CONNECTIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
6. SUBMIT SHOP DRAWINGS TO THE STRUCTURAL DESIGN PROFESSIONAL FOR REVIEW. SUBMITTALS SHALL BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE PROJECT JURISDICTION. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS REGARDING ARRANGEMENT AND SIZES OF MEMBERS, THE CONTRACTOR'S INTERPRETATION OF THE DESIGN LOADS, AND THE CONTRACTOR'S INTERPRETATION OF THE CONTRACT DOCUMENT DETAILS. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR THE DESIGN OF THE STEEL JOISTS, BRIDGING, AND THEIR CONNECTIONS.
7. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION AND ERECTION OF WALLS, BEAM FRAMING, METAL DECKING, ETC. TO ENSURE COMPATIBILITY OF ROOF AND WALL SYSTEMS CONSIDERING PITCH AND CAMBER OF STEEL JOISTS.
8. THE CONTRACTOR SHALL COORDINATE THE JOIST SEAT DEPTH BETWEEN JOIST MANUFACTURER AND STEEL DETAILER. THE SHOP DRAWINGS MUST INDICATE THE JOIST SEAT DEPTH.
9. JOISTS THAT SUPPORT CONCENTRATED LOADS SHALL HAVE THOSE LOADS LOCATED WITHIN 3 INCHES OF JOIST PANEL POINTS OR JOISTS SHALL BE REINFORCED PER JOIST REINFORCING DETAIL. CONCENTRATED LOADS SHALL BE CENTERED ON JOISTS AND NOT ATTACHED TO THE EDGE OF CHORD ANGLES.
10. SPECIAL JOISTS THAT REQUIRE SPECIFIC ORIENTATION SHALL BE TAGGED AT ONE END. DEFINE LOCATION OF TAGGED END ON ERECTION DRAWING.

COLD-FORMED STEEL FRAMING

1. COLD-FORMED STEEL FRAMING AND THE CONNECTIONS TO THE STRUCTURE SHALL BE DESIGNED AND DETAILED BY AN ENGINEER LICENSED IN THE PROJECT JURISDICTION. THE DESIGN AND DETAILING SHALL CONFORM TO AISI S100 NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS AND THE PROJECT SPECIFICATIONS.
2. SUBMIT SHOP DRAWINGS AND CALCULATIONS TO THE STRUCTURAL DESIGN PROFESSIONAL FOR REVIEW. SUBMITTALS SHALL BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE PROJECT JURISDICTION.
3. ALL COLD-FORMED STEEL FRAMING SHALL HAVE A MINIMUM THICKNESS OF 33 MILS (20 GA) AND MEET THE MINIMUM STRUCTURAL PROPERTIES FROM AISI S100 NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS. THE MINIMUM WIDTH OF FRAMING MEMBERS SHALL BE 1 5/8 INCH, AND THE LIP LENGTH OF "C" PORTION SHALL BE 1/2 INCH.
4. PROVIDE COLD-FORMED STEEL FRAMING IN ACCORDANCE WITH THE FOLLOWING, UNLESS NOTED OTHERWISE
   - 54 MIL (16 GA) AND THICKER — ASTM A1003, GRADE 50, TYPE H (ST50H)
   - 43 MIL (18 GA) AND THINNER — ASTM A1003, GRADE 33, TYPE H (ST33H)
   - ACCESSORIES, TRACK, AND OTHER MEMBERS — ASTM A1003, GRADE 33, TYPE H (ST33H), MIN.
5. COLD-FORMED STEEL FRAMING MANUFACTURERS SHALL BE CERTIFIED BY THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) OR THE STEEL FRAMING INDUSTRY ASSOCIATION (SFIA).
6. WALL STUDS AS BACKING TO MASONRY OR STONE VENEER SHALL HAVE A MINIMUM THICKNESS OF 43 MILS (18 GA).
7. ALL STRUCTURAL JOISTS AND STUDS SHALL HAVE A MINIMUM OF 10 INCHES ON UNPUNCHED WEB AT BEARING OR SUPPORT POINTS.
8. COLD-FORMED STEEL FRAMING AND BRACING SHALL BE INSTALLED IN ACCORDANCE WITH THE AISI STANDARDS AND THE MANUFACTURER'S INSTRUCTIONS UNLESS OTHERWISE REQUIRED BY THE DEFERRED DESIGN ENGINEER.
9. HORIZONTAL BRACING FOR WALL STUDS SHALL BE PLACED AT A MAXIMUM OF 48 INCHES ON CENTER OR AS REQUIRED BY THE DEFERRED DESIGN ENGINEER IF LESS THAN 48 INCHES ON CENTER. APPLIED FINISH MATERIALS SHALL NOT BE CONSIDERED FLANGE BRACING UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
10. BRIDGING FOR JOISTS SHALL BE PLACED AT A MAXIMUM OF 8 FEET ON CENTER OR AS REQUIRED BY THE DEFERRED DESIGN ENGINEER IF LESS THAN 8 FEET ON CENTER. APPLIED FINISH MATERIALS SHALL NOT BE CONSIDERED BRIDGING UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
11. COLD-FORMED STEEL STRUCTURAL MEMBERS MAY BE ATTACHED BY EITHER WELDS OR SCREWS SIZED BY THE DEFERRED DESIGN ENGINEER FOR THE DESIGN LOADS SPECIFIED IN THE CONTRACT DOCUMENTS.
12. WELD COLD-FORMED STEEL FRAMING IN ACCORDANCE WITH AWS D1.3 STRUCTURAL WELDING CODE — SHEET STEEL. DO NOT WELD 33 MIL (20 GA) AND THINNER MATERIAL, UNLESS SPECIFICALLY NOTED IN THE CONTRACT DOCUMENTS.
   - 12.1. ALL WELDING SHALL BE PERFORMED BY A WELDER QUALIFIED FOR WELDING SHEET STEEL IN ACCORDANCE WITH AWS D1.3 STRUCTURAL WELDING CODE — SHEET STEEL. FIELD WELDING SHALL BE PERFORMED WITH E60XX ELECTRODES.
   - 12.2. TOUCH UP WELDS WITH ZINC-RICH PAINT (ASTM A780).
13. PLACE JOISTS DIRECTLY OVER BEARING WALL STUDS WITH WEBS ALIGNED. ALL AXIALLY LOADED WALL STUDS SHALL HAVE A MAXIMUM ALLOWABLE GAP BETWEEN THE WEB OF THE STUD AND THE WEB OF THE TRACK OF 1/8 INCH BEFORE ATTACHMENT OF TRACK. TRACK SHALL HAVE FULL BEARING ON STRUCTURE.
14. PROVIDE FULL DEPTH BLOCKING BETWEEN JOISTS AT SUPPORTS WHERE JOISTS ARE NOT OTHERWISE RESTRAINED FROM ROTATION.
15. SPLICES IN AXIALLY LOADED STUDS, JOISTS, HEADERS, OR OTHER LOAD CARRYING MEMBERS ARE NOT PERMITTED.
16. INSTALLATION OF BRIDGING MUST BE COMPLETE BEFORE ANY LOADS ARE APPLIED TO THE SYSTEM. TERMINATE BRIDGING AT JAMBS, CORNER STUDS, OR COLUMNS. BRACE STUDS AGAINST ROTATION.

LOW ROOF COMPONENTS & CLADDING ULTIMATE PRESSURE SCHEDULE

EFFECTIVE WIND AREA	ROOF				OVERHANG			WALL		PARAPET	
	ZONE 1	ZONE 1'	ZONE 2	ZONE 3	ZONE 1OH	ZONE 2OH	ZONE 3OH	ZONE 4	ZONE 5 (NOTE 3)	ZONE 4	ZONE 5 (NOTE 3)
10 SF	+16 PSF -37.3 PSF	+16 PSF -21.3 PSF	+16 PSF -49.2 PSF	+16 PSF -67.1 PSF	-33.8 PSF	-45.7 PSF	-63.5 PSF	+21.4 PSF -23.2 PSF	+/- 28.6 PSF ALL WIND AREAS	+59.7 PSF -38.0 PSF	+75.9 PSF -43.4 PSF
20 SF	+16 PSF -34.9 PSF	+16 PSF -21.4 PSF	+16 PSF -46.1 PSF	+16 PSF -60.8 PSF	-33.2 PSF	-41.5 PSF	-56.2 PSF	+20.5 PSF -22.3 PSF	N/A	N/A	N/A
50 SF	+16 PSF -31.6 PSF	+16 PSF -21.4 PSF	+16 PSF -41.9 PSF	+16 PSF -52.4 PSF	-32.4 PSF	-35.9 PSF	-46.4 PSF	+19.2 PSF -21 PSF	N/A	N/A	N/A
100 SF	+16 PSF -29.2 PSF	+16 PSF -21.4 PSF	+16 PSF -38.7 PSF	+16 PSF -46.1 PSF	-31.8 PSF	-31.6 PSF	-39 PSF	+18.3 PSF -20.1 PSF	N/A	N/A	N/A
500 SF	+16 PSF -23.4 PSF	+16 PSF -16 PSF	+16 PSF -31.4 PSF	+16 PSF -31.4 PSF	-19.9 PSF	-21.8 PSF	-21.8 PSF	+16.1 PSF -17.9 PSF	N/A	N/A	N/A

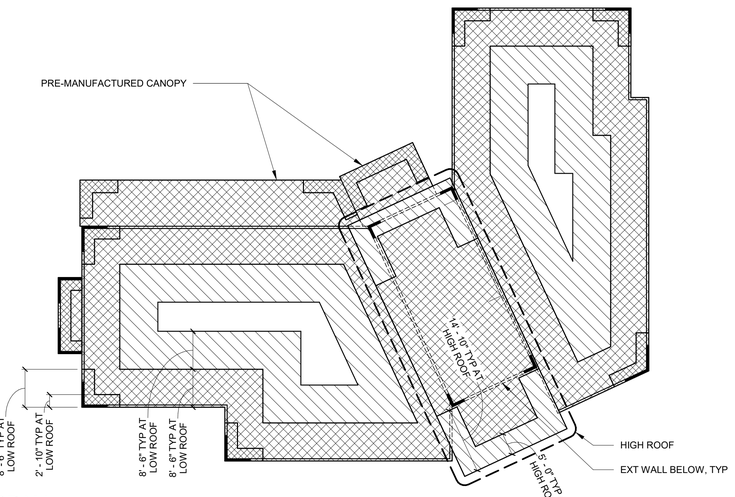
HIGH ROOF COMPONENTS & CLADDING ULTIMATE PRESSURE SCHEDULE

EFFECTIVE WIND AREA	ROOF				OVERHANG			WALL		PARAPET	
	ZONE 1	ZONE 1'	ZONE 2	ZONE 3	ZONE 1OH	ZONE 2OH	ZONE 3OH	ZONE 4	ZONE 5 (NOTE 3)	ZONE 4	ZONE 5 (NOTE 3)
10 SF	-- --	-- --	+16 PSF -54.5 PSF	+16 PSF -72.4 PSF	--	-50.5 PSF	-70.3 PSF	+23.7 PSF -25.7 PSF	+/- 31.6 PSF ALL WIND AREAS	--	--
20 SF	-- --	-- --	+16 PSF -51 PSF	+16 PSF -67.2 PSF	--	-45.8 PSF	-62.1 PSF	+22.7 PSF -24.6 PSF	N/A	N/A	N/A
50 SF	-- --	-- --	+16 PSF -46.3 PSF	+16 PSF -58 PSF	--	-39.7 PSF	-51.3 PSF	+21.3 PSF -23.3 PSF	N/A	N/A	N/A
100 SF	-- --	-- --	+16 PSF -42.8 PSF	+16 PSF -51 PSF	--	-35 PSF	-43.1 PSF	+20.2 PSF -22.2 PSF	N/A	N/A	N/A
500 SF	-- --	-- --	+16 PSF -34.7 PSF	+16 PSF -34.7 PSF	--	-24.2 PSF	-24.2 PSF	+17.8 PSF -19.8 PSF	N/A	N/A	N/A

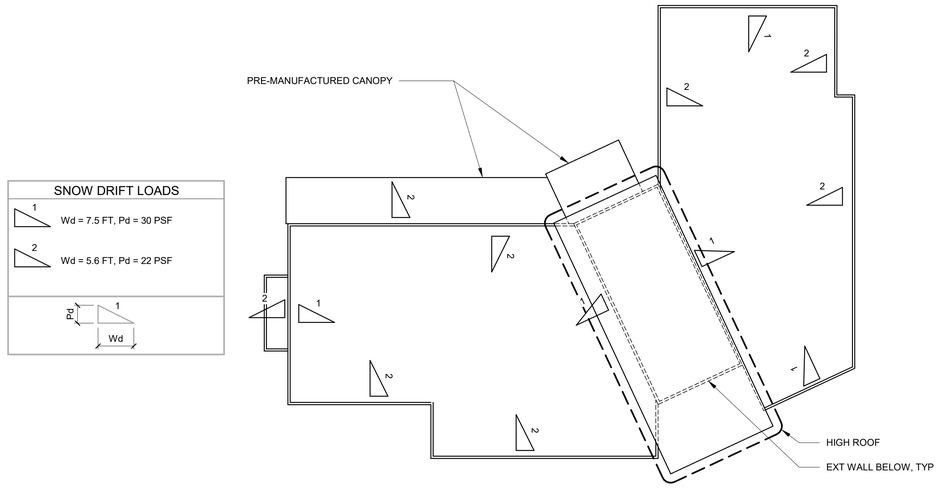
NOTES:
1. (+) AND (-) SIGNS INDICATE PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACE, RESPECTIVELY.
2. ZONE 5 INCLUDES AREAS OF BUILDING WALLS 5'-8" FROM PROMINENT BUILDING CORNERS IN EACH DIRECTION. ZONE 4 INCLUDES ALL AREAS OF BUILDING WALLS OTHER THAN ZONE 5.
3. REFER TO LEGEND FOR ROOF AREAS ZONES.

ROOF ZONES
- ZONE 1'
- ZONE 1
- ZONE 2
- ZONE 3

WALL ZONES
- ZONE 4
- ZONE 5



2 WIND LOADING DIAGRAM
1/16" = 1'-0"



1 SNOW LOADING DIAGRAM
1/16" = 1'-0"

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DANIEL E. LANE
LICENSED PROFESSIONAL ENGINEER
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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENSES & THE ARTS
ASMSA ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # 2630004
date 2026 AUGUST 28
director review

GENERAL STRUCTURAL NOTES AND LOAD DIAGRAMS

S0.02

2026 AUGUST 28

SPECIAL INSPECTION REQUIREMENTS (2021)

SPECIAL INSPECTIONS REQUIREMENTS (IBC 2021 CHAPTER 17)

1. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS PER SECTION 1704 OF THE IBC. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN THE PROJECT SPECIFICATIONS.
2. REPORT REQUIREMENTS SHALL CONFORM TO SECTIONS 1704.2.4 AND 1704.5 OF THE IBC. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO COMPLETION OF THAT PHASE OF WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTOR REGARDING INDIVIDUAL INSPECTION FOR ITEMS LISTED ON THE STATEMENT OF SPECIAL INSPECTIONS AND AS NOTED ON THE BUILDING DEPARTMENT APPROVED PLANS. ADEQUATE NOTICE AND ACCESS TO APPROVED PLANS SHALL BE PROVIDED SO THAT THE SPECIAL INSPECTOR HAS TIME TO BECOME FAMILIAR WITH THE PROJECT.
4. FABRICATORS OF STRUCTURAL LOAD-BEARING OR LATERAL LOAD RESISTING MEMBERS OR ASSEMBLIES SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1704.2.5 OF THE IBC.
5. SPECIAL INSPECTION REPORTS AND A FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF WORK IS APPROVED FOR OCCUPANCY.

IBC 2021 REQUIRED SPECIAL INSPECTIONS

			FREQUENCY OF INSPECTION	
			CONTINUOUS	PERIODIC
		STEEL CONSTRUCTION - STRUCTURAL STEEL (IBC SECTION 1705.2.1)		
1.		SPECIAL INSPECTION AND NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS IN BUILDINGS, STRUCTURES AND PORTIONS THEREOF SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360-16.		
		STEEL CONSTRUCTION - COLD FORMED STEEL DECK (IBC SECTION 1705.2.2)		
1.		SPECIAL INSPECTION AND QUALIFICATIONS OF WELDING SPECIAL INSPECTORS FOR COLD-FORMED STEEL FLOOR AND ROOF DECK SHALL BE IN ACCORDANCE WITH WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF SDI. QA/QC.		
		STEEL CONSTRUCTION - OPEN-WEB STEEL JOISTS AND JOIST GIRDERS (IBC TABLE 1705.2.3)		
1.		INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS		
	A.	END CONNECTIONS - WELDING OR BOLTED	---	X
	B.	BRIDGING - HORIZONTAL OR DIAGONAL		
		1. STANDARD BRIDGING	---	X
		2. BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1	---	X
		CONCRETE CONSTRUCTION (IBC TABLE 1705.3)		
1.		INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	---	X
3.		INSPECT ANCHORS CAST IN CONCRETE.	---	X
4.		INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. (a)		
	A.	ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	
	B.	MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4 A.		X
5.		VERIFY USE OF REQUIRED DESIGN MIX.	---	X
6.		PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	---
7.		INSPECT CONCRETE AND SHOTCRETE PLACEMENT OF PROPER APPLICATION TECHNIQUES.	X	---
8.		VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	---	X
		SOILS (IBC TABLE 1705.6)		
1.		VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	---	X
2.		VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	---	X
3.		PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	---	X
4.		DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	---
5.		PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	---	X
		** CONTINUOUS SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT CONTINUOUSLY WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.		
		** PERIODIC SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.		

AISC 360-16 SPECIAL INSPECTION REQUIREMENTS - 2021

1. QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR.
2. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHERS.
3. NONDESTRUCTIVE TESTING (NDT) SHALL BE PERFORMED BY THE AGENCY OR FIRM RESPONSIBLE FOR QUALITY ASSURANCE (QA).
4. THE QUALITY ASSURANCE INSPECTOR (QAI) SHALL REVIEW MATERIAL TEST REPORTS AND CERTIFICATIONS AS LISTED IN SECTION N3.2 FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.
5. FOR WORK PERFORMED BY APPROVED FABRICATORS AND ERECTORS:
   A. QA INSPECTIONS, MAY BE WAIVED WHEN THE WORK IS PERFORMED IN A FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ) TO PERFORM THE WORK WITHOUT QA.
   B. NDT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN APPROVED BY THE AHJ. WHEN THE FABRICATOR PERFORMS THE NDT, THE QA AGENCY SHALL REVIEW THE FABRICATOR'S NDT REPORTS.
   C. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE AHJ STATING THAT THE MATERIALS SUPPLIED AND WORK PERFORMED BY THE FABRICATOR ARE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
   D. AT COMPLETION OF ERECTION, THE APPROVED ERECTOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE AHJ STATING THAT THE MATERIALS SUPPLIED AND WORK PERFORMED BY THE ERECTOR ARE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.

AISC 360-16, CHAPTER N SPECIAL INSPECTION REQUIREMENTS - 2021

			FREQUENCY OF INSPECTION	
			PERFORM	OBSERVE
N5.4 - INSPECTION OF WELDING				
		AISC 360-16, TABLE N5.4-1 - INSPECTION TASKS PRIOR TO WELDING		
1.		WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	---	X
2.		WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE	X	---
3.		MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	X	---
4.		MATERIAL IDENTIFICATION (TYPE/GRADE)	---	X
5.		WELDER IDENTIFICATION SYSTEM (a)	---	X
6.		FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)		
	A.	JOINT PREPARATION	---	X
	B.	DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	---	X
	C.	CLEANLINESS (CONDITION OF STEEL SURFACES)	---	X
	D.	TACKING (TACK WELD QUALITY AND LOCATION)	---	X
	E.	BACKING TYPE AND FIT (IF APPLICABLE)	---	X
7.		FIT-UP OF CJP GROOVE WELDS OF HSS, T-, Y- AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY)		
	A.	JOINT PREPARATIONS	---	X
	B.	DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	---	X
	C.	CLEANLINESS (CONDITION OF STEEL SURFACES).	---	X
	D.	TACKING (TACK WELD QUALITY AND LOCATION)	---	X
8.		CONFIGURATION AND FINISH OF ACCESS HOLES	---	X
9.		FIT-UP OF FILLET WELDS		
	A.	DIMENSIONS (ALIGNMENT, GAPS AT ROOT)	---	X
	B.	CLEANLINESS (CONDITION OF STEEL SURFACES)	---	X
	C.	TACKING (TACK WELD QUALITY AND LOCATION)	---	X
		AISC 360-16, TABLE N5.4-2 - INSPECTIONS DURING WELDING		
1.		CONTROL AND HANDLING OF WELDING CONSUMABLES		
	A.	PACKAGING	---	X
	B.	EXPOSURE CONTROL	---	X
2.		NO WELDING OVER CRACKED TACK WELDS	---	X
3.		ENVIRONMENTAL CONDITIONS		
	A.	WIND SPEED WITHIN LIMITS	---	X
	B.	PRECIPITATION AND TEMPERATURE	---	X
4.		WELDING PROCEDURE SPECIFICATION (WPS) FOLLOWED		
	A.	SETTINGS ON WELDING EQUIPMENT	---	X
	B.	TRAVEL SPEED	---	X
	C.	SELECTED WELDING MATERIALS	---	X
	D.	SHIELDING GAS TYPE / FLOW RATE	---	X
	E.	PREHEAT APPLIED	---	X
	F.	INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.)	---	X
	G.	PROPER POSITION (F, V, H, OH)	---	X
5.		WELDING TECHNIQUES		
	A.	INTERPASS AND FINAL CLEANING	---	X
	B.	EACH PASS WITHIN PROFILE LIMITATIONS	---	X
	C.	EACH PASS MEETS QUALITY REQUIREMENTS	---	X
6.		PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	X	---
		AISC 360-16, TABLE N5.4-3 - INSPECTION TASKS AFTER WELDING		
1.		WELDS CLEANED	---	X
2.		SIZE, LENGTH AND LOCATION OF WELDS	X	---
3.		WELDS MEET VISUAL ACCEPTANCE CRITERIA		
	A.	CRACK PROHIBITION	X	---
	B.	WELD/BASE-METAL FUSION	X	---
	C.	CRATER CROSS SECTION	X	---
	D.	WELD PROFILES	X	---
	E.	WELD SIZE	X	---
	F.	UNDERCUT	X	---
	G.	POROSITY	X	---
4.		ARC STRIKES	X	---
5.		k-AREA (b)	X	---
6.		WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES (c)	X	---
7.		BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	X	---
8.		REPAIR ACTIVITIES	X	---
9.		DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	X	---
10.		NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR.	---	X
11.		ULTRASONIC TESTING (UT) ON ALL CJP GROOVE WELDS IN BUTT, T- AND CORNER JOINTS, IN MATERIALS 5/16 INCH THICK OR GREATER (required in Risk Category III or IV)	X	---
12.		ULTRASONIC TESTING (UT) ON 10% OF CJP GROOVE WELDS IN BUTT, T- AND CORNER JOINTS, IN MATERIALS 5/16 INCH THICK OR GREATER (required in Risk Category II)	---	X
13.		THERMALLY CUT SURFACES OF ACCESS HOLES SHALL BE TESTED USING MAGNETIC PARTICLE TESTING (MT) OR PENETRANT TESTING (PT), WHEN FLANGE THICKNESS EXCEEDS 2 INCHES FOR ROLLED SHAPES, OR WHEN THE WEB THICKNESS EXCEEDS 2 INCHES FOR BUILT-UP SHAPES	X	---
14.		(see AISC 360-16, section N5-5c for additional special inspections for welded joints subject to fatigue)		
	(a)	THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW STRESS TYPE.		
	(b)	WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE k-AREA, VISUALLY INSPECT THE WEB k-AREA FOR CRACKS WITHIN 3 INCHES OF THE WELD.		
	(c)	AFTER ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES HAVE BEEN WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE PER CRACKS.		
		** PERFORM - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER.		
		** OBSERVE - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.		
N5.6 - INSPECTION OF HIGH-STRENGTH BOLTS				
		AISC 360-16, TABLE N5.6-1 - INSPECTION TASKS PRIOR TO BOLTING		
1.		MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	X	---
2.		FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	---	X
3.		CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH) IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE	---	X
4.		CORRECT BOLTING PROCEDURES SELECTED FOR JOINT DETAIL	---	X
5.		CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	--	X
6.		PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	X	X
7.		PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	---	X
		AISC 360-16, TABLE N5.6-2 - INSPECTIONS DURING BOLTING		
1.		FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED	---	X

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AISC 360-16, CHAPTER N SPECIAL INSPECTION REQUIREMENTS - 2021

			FREQUENCY OF INSPECTION	
			PERFORM	OBSERVE
2.		JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	---	X
3.		FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	---	X
4.		FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	---	X
		AISC 360-16, TABLE N5.6-3 - INSPECTIONS AFTER BOLTING		
1.		DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	X	---
		** PERFORM - PERFORM THESE TASKS FOR EACH BOLTED CONNECTION.		
		** OBSERVE - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.		
N5.7 - OTHER INSPECTION TASKS				
1.		INSPECTION OF GALVANIZED STEEL STRUCTURAL MAIN MEMBERS EXPOSED CUT SURFACES OF GALVANIZED MAIN MEMBERS AND EXPOSED CORNERS OF HSS SHALL BE VISUALLY INSPECTED FOR CRACKS SUBSEQUENT TO GALVANIZING.	X	---
N5.8 - OTHER INSPECTION TASKS				
1.		INSPECT THE STEEL TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS.	X	---
2.		INSPECT THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. THE DIAMETER, GRADE, TYPE AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRETE, SHALL BE VERIFIED AND DOCUMENTED PRIOR TO PLACEMENT OF CONCRETE	X	---
		** PERFORM - PERFORM THESE TASKS FOR EACH CONNECTION.		
		** OBSERVE - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.		

SDI QA/QC - 2017 SPECIAL INSPECTION REQUIREMENTS - 2021

1. QUALITY CONTROL (QC) AS SPECIFIED IN THE STANDARD SHALL BE PROVIDED BY THE INSTALLER.
2. QUALITY ASSURANCE (QA) AS SPECIFIED IN THE STANDARD SHALL BE PROVIDED BY THE OWNER'S DESIGNATED REPRESENTATIVE.
3. THE QUALITY ASSURANCE INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE AHJ AND SATISFY THE QUALIFICATIONS NOTED IN SECTION 3.2 OF THE STANDARD.

SDI QA/QC - 2017 STANDARD FOR QUALITY CONTROL AND QUALITY ASSURANCE FOR INSTALLATION OF STEEL DECK - 2021

		FREQUENCY OF INSPECTION	
		PERFORM	OBSERVE
	TABLE 1.1 INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT		
A.	VERIFY COMPLIANCE OF MATERIALS(DECK AND DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS.	X	---
B.	DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	X	---
	TABLE 1.2 INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT		
A.	VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	X	---
B.	VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS	X	---
C.	DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	X	---
	TABLE 1.3 INSPECTION OR EXECUTION TASKS PRIOR TO WELDING		
A.	WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	---	X
B.	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	---	X
C.	MATERIAL IDENTIFICATION (TYPE/GRADE)	---	X
D.	CHECK WELDING EQUIPMENT	---	X
	TABLE 1.4 INSPECTION OR EXECUTION TASKS DURING WELDING		
A.	USE OF QUALIFIED WELDERS	---	X
B.	CONTROL AND HANDLING OF WELDING CONSUMABLES	---	X
C.	ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE	---	X
D.	WPS FOLLOWED	---	X
	TABLE 1.5 INSPECTION OR EXECUTION TASKS AFTER WELDING		
A.	VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	X	---
B.	WELDS MEET VISUAL ACCEPTANCE CRITERIA	X	---
C.	VERIFY REPAIR ACTIVITIES	X	---
D.	DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	X	---
	TABLE 1.6 INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING		
A.	MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	---	X
B.	PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	---	X
C.	PROPER STORAGE FOR MECHANICAL FASTENERS	---	X
	TABLE 1.7 INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING		
A.	FASTENERS ARE POSITIONED AS REQUIRED	---	X
B.	FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	---	X
	TABLE 1.8 INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING		
A.	CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	X	---
B.	CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	X	---
C.	CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	X	---
D.	VERIFY REPAIR ACTIVITIES	X	---
E.	DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	X	---
	** PERFORM - PERFORM THESE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.		
	** OBSERVE - INSPECT THESE ITEMS ON AN INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS, FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE DOCUMENTS.		

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REGISTRATION

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ASMSA ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # 2630004

date 2026 AUGUST 28

director review

STRUCTURAL SPECIAL INSPECTIONS

S0.03

2026 AUGUST 28

PLAN SYMBOLS

- SLAB STEP (NEGATIVE FOR RECESS AND POSITIVE FOR ELEVATED SLAB) 3/S3.03
- S S — FTG STEP, REF 5/S3.02
- RE-ENTERANT REINFORCEMENT, REF 5/S3.03
- CJ — CONTROL JOINT, REF 2/S3.03
- BP- — BASE PLATE MARK, REF 1/S3.01
- F- — FOOTING MARK, REF 2/S3.02
- CF- — WALL FOOTING MARK, REF 1/S3.02
- P- — PILASTER MARK, REF 3/S3.02

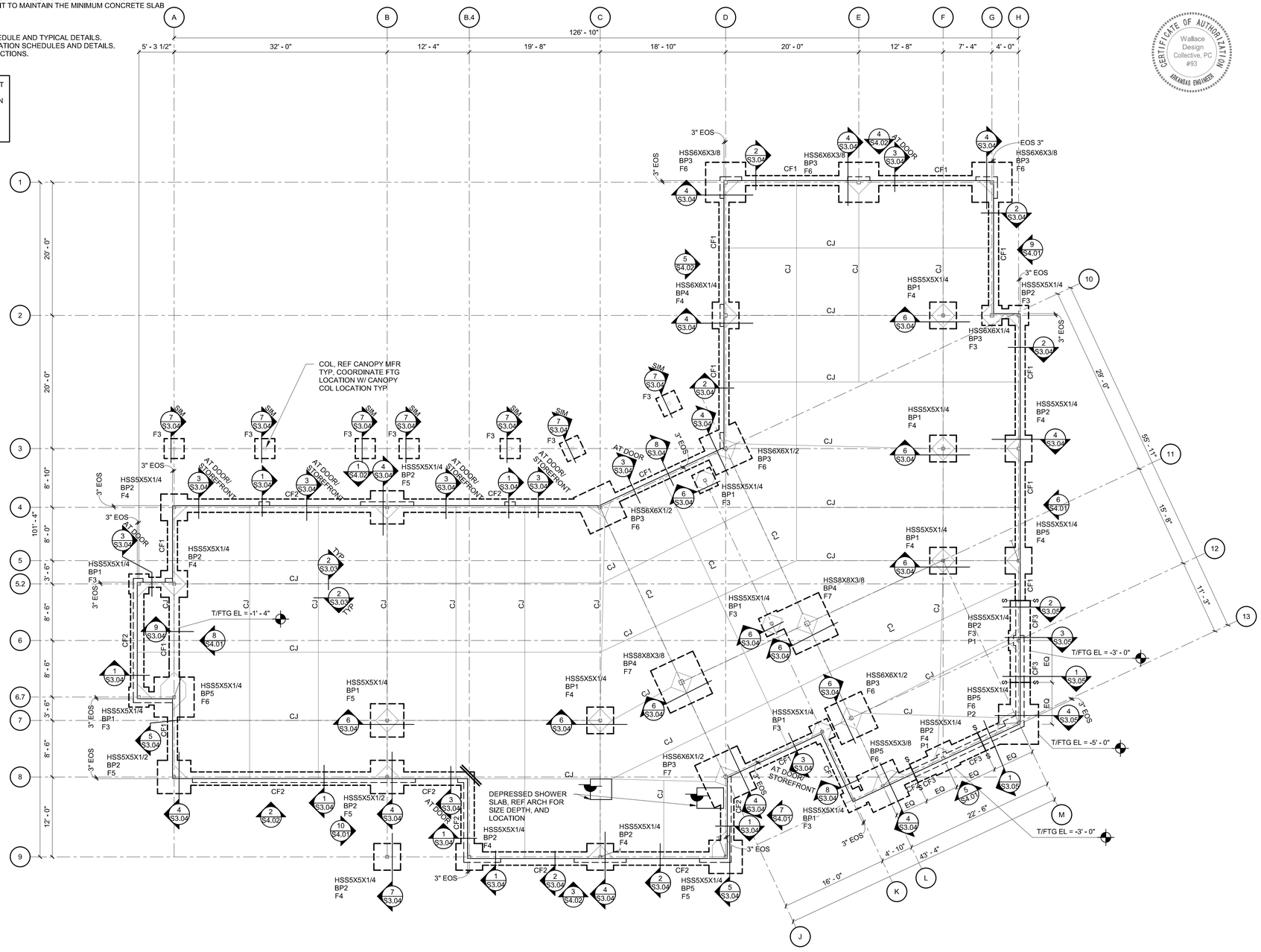
FOUNDATION PLAN SHEET NOTES:

1. TOP OF CONCRETE SLAB ELEVATION = 0'-0" (CIVIL ELEVATION 721.75').
2. TOP OF FOUNDATION ELEVATION = -1'-4" UNO.
3. TOP OF INTERIOR FOOTING ELEVATION = -0'-8" UNO.
4. COLUMNS AND FOUNDATIONS TO BE CENTERED ON COLUMN GRID LINES UNLESS NOTED OTHERWISE.
5. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT INDICATED, COORDINATE SLAB ELEVATIONS, SLAB EDGES, AND SLAB SLOPES WITH ARCHITECTURAL PLANS.
6. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR SLAB PENETRATIONS
7. THICKEN SLAB AT FLOOR BOXES AND CONDUIT TO MAINTAIN THE MINIMUM CONCRETE SLAB THICKNESS INDICATED ON PLANS.

FOUNDATION PLAN REFERENCE NOTES:

A. REFER TO 1/S3.01 FOR BASE PLATE (BP) SCHEDULE AND TYPICAL DETAILS.
B. REFER TO S3.02 & S3.03 FOR TYPICAL FOUNDATION SCHEDULES AND DETAILS.
C. REFER TO S3.04 & S3.05 FOR FOUNDATION SECTIONS.

5" CONCRETE SLAB WITH #4@16" EACH WAY, AT MID-DEPTH OF SLAB. PLACE SLAB OVER A 15 MIL CLASS A VAPOR RETARDER OVER 4" CLEAN CRUSHED STONE, OVER 4" LOW VOLUME CHANGE FILL. REFER TO STRUCTURAL EARTH MOVING SPECIFICATIONS



1 FOUNDATION PLAN
1/8" = 1'-0"

NORTH

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENSES & THE ARTS
ASMSA ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
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PROJECT INFORMATION

revisions No.	Description	Date

project # 2630004
date 2026 AUGUST 28
director review

FOUNDATION PLAN

S1.01

2026 AUGUST 28

PLAN SYMBOLS

- SPAN DIRECTION OF METAL DECK
- ELEVATION
- STL BRACED FRAME, REF S4.01 & S4.02
- MOMENT CONN, REF 3/S5.01

STEEL ROOF FRAMING PLAN SHEET NOTES:

1. B/DECK ELEVATIONS INDICATED ON PLAN.
2. BEAMS / JOISTS ARE EQUALLY SPACED BETWEEN COLUMN LINES UNLESS NOTED OTHERWISE.
3. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT INDICATED. COORDINATE ROOF DECK ELEVATIONS, ROOF DECK EDGES, AND ROOF SLOPES WITH ARCHITECTURAL PLANS.
4. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ROOF TOP UNITS AND ROOF DECK PENETRATIONS.
5. NO HANGING LOADS SHALL BE APPLIED TO THE ROOF DECK.

STEEL ROOF FRAMING PLAN REFERENCE NOTES:

A. REFER TO FOUNDATION PLAN FOR STEEL COLUMN SIZES, REFER TO1/S3.01 FOR BASE PLATE (BP) SCHEDULE.
B. REFER TO S5.01-S5.02 FOR TYP ROOF FRAMING DETAILS.
C. REFER TO 1/S5.01 FOR CONNECTION SCHEDULE.

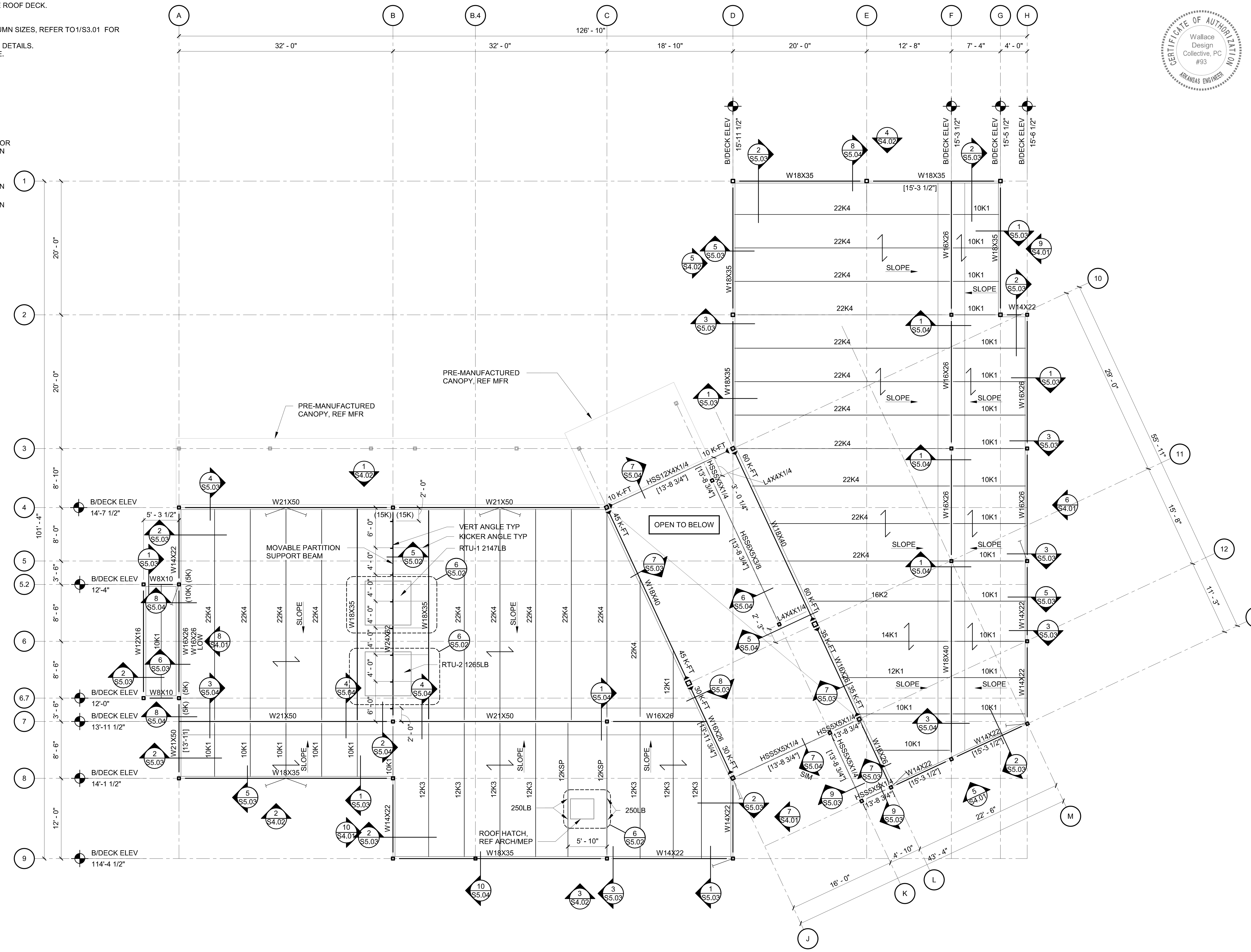
FRAMING SYMBOLS

STEEL BEAM

W14X22 80 K-FT
56K (56K) [X'-XX"] (56K) 56K

- BEAM SIZE
- MOMENT R FOR CONN DESIGN
- VERT R FOR CONN DESIGN
- AXIAL R FOR CONN DESIGN
- T/STL EL

INDICATES SPAN DIRECTION OF 1.5" X 22 GA TYPE B GALVANIZED STEEL ROOF DECK.
REFER TO ROOF DECK DIAPHRAGM CONNECTION DIAGRAM.



1 LOW ROOF FRAMING PLAN
1/8" = 1'-0"

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revisions No.	Description	Date

project # 2630004

date 2026 AUGUST 28

director review

LOW ROOF FRAMING PLAN

S1.02

2026 AUGUST 28

PLAN SYMBOLS

SPAN DIRECTION OF DECK

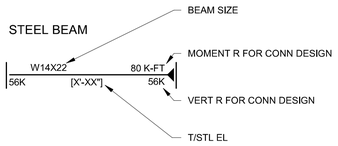
ELEVATION

MOMENT CONN, REF 4/S5.01

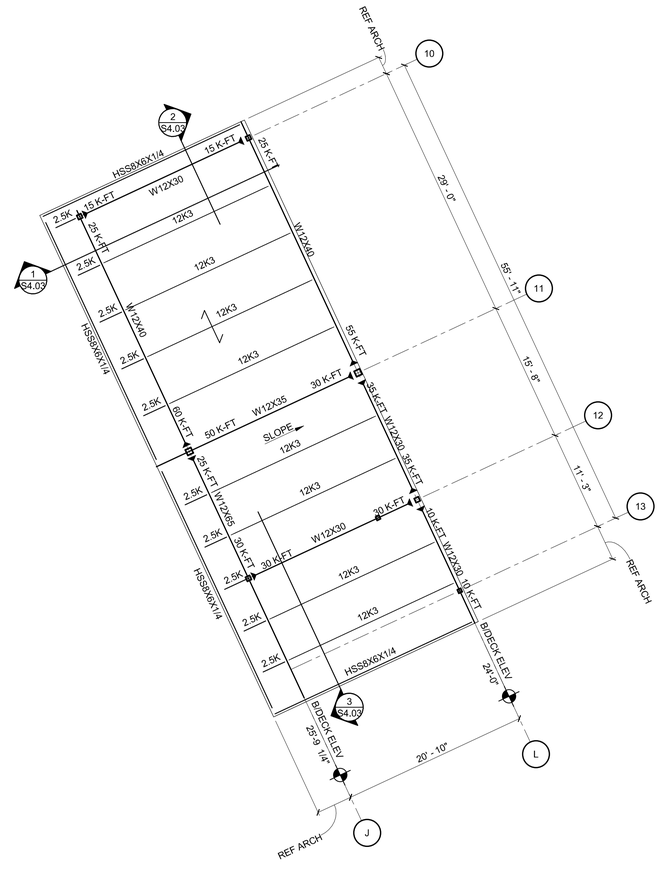
STEEL ROOF FRAMING PLAN SHEET NOTES:
1. B/DECK ELEVATION INDICATED ON PLAN.
2. BEAMS / JOISTS ARE EQUALLY SPACED BETWEEN COLUMN LINES UNLESS NOTED OTHERWISE.
3. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT INDICATED. COORDINATE ROOF DECK ELEVATIONS, ROOF DECK EDGES, AND ROOF SLOPES WITH ARCHITECTURAL PLANS.
4. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ROOF TOP UNITS AND ROOF DECK PENETRATIONS.
5. NO HANGING LOADS SHALL BE APPLIED TO THE ROOF DECK.

STEEL ROOF FRAMING PLAN REFERENCE NOTES:
A. REFER TO FOUNDATION PLAN FOR STEEL COLUMN SIZES.
B. REFER TO S5.01-S5.02 FOR TYP ROOF FRAMING DETAILS.
C. REFER TO 1/S5.01 FOR CONNECTION SCHEDULE.

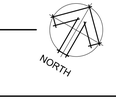
FRAMING SYMBOLS



INDICATES SPAN DIRECTION OF 1.5" X 22 GA TYPE B GALVANIZED STEEL ROOF DECK.
REFER TO ROOF DECK DIAPHRAGM CONNECTION DIAGRAM.



1 ROOF FRAMING PLAN
1/8" = 1'-0"



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HIGH ROOF FRAMING PLAN

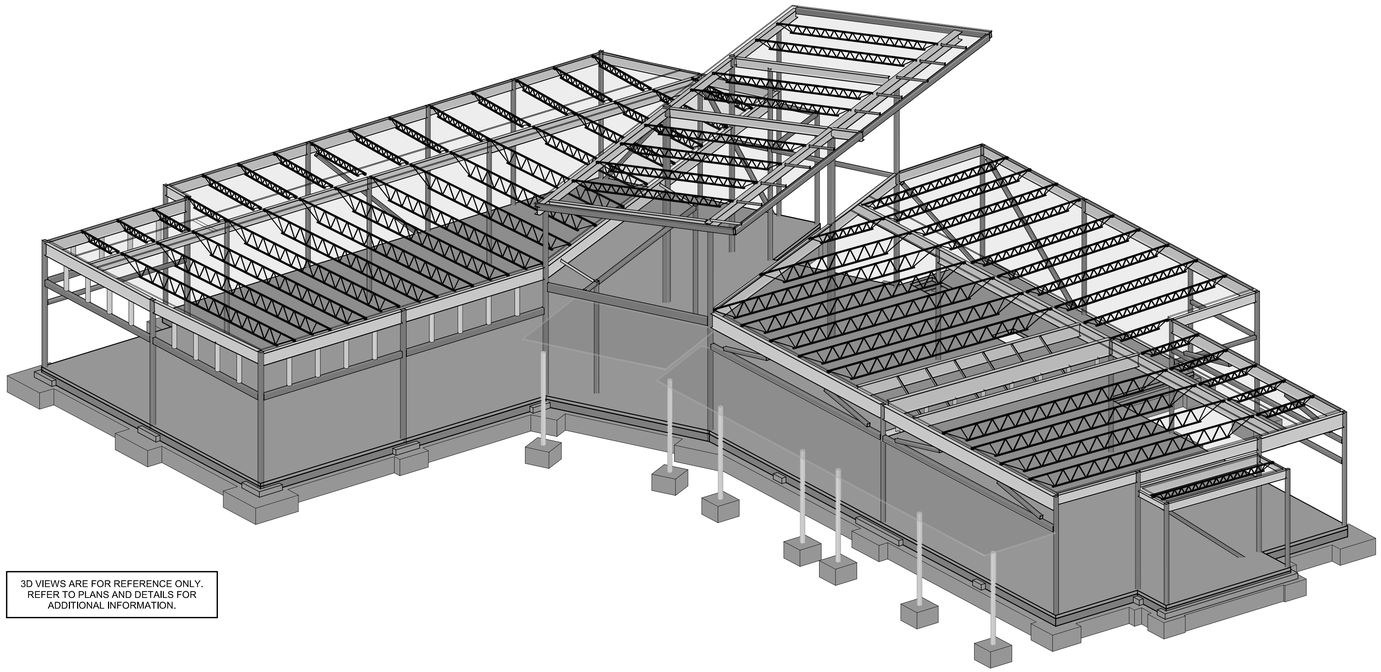
S1.03

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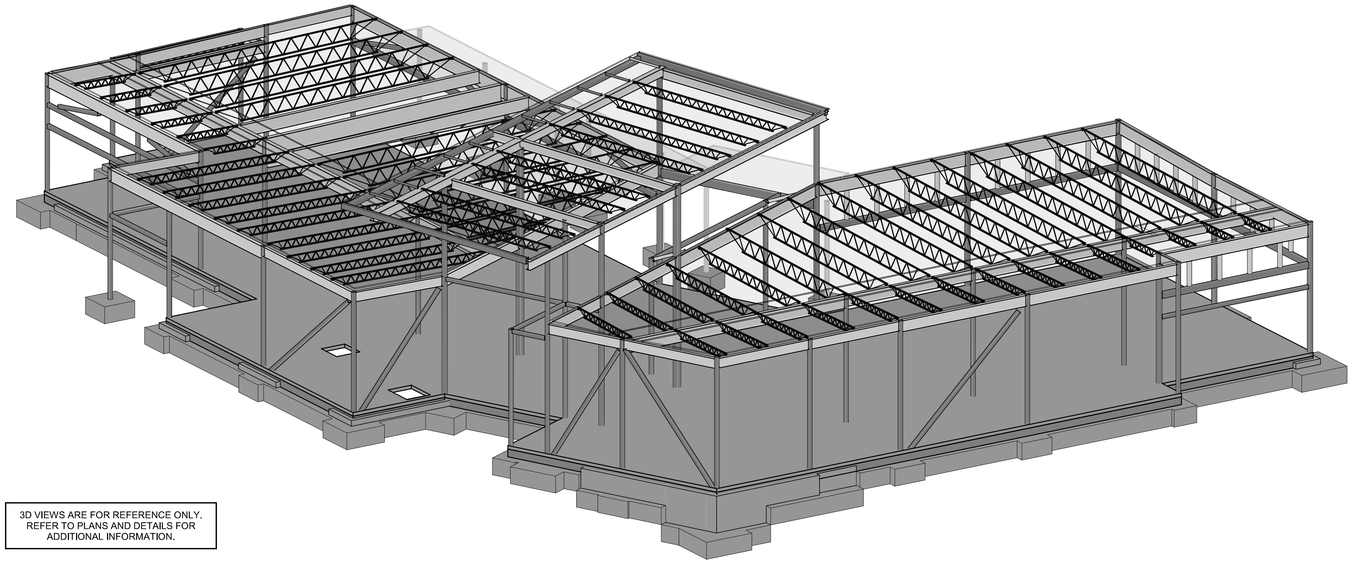
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3D VIEWS ARE FOR REFERENCE ONLY. REFER TO PLANS AND DETAILS FOR ADDITIONAL INFORMATION.

2 3D VIEW



3D VIEWS ARE FOR REFERENCE ONLY. REFER TO PLANS AND DETAILS FOR ADDITIONAL INFORMATION.

1 3D VIEW

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DANIEL E. MAY
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3D VIEWS

S2.01

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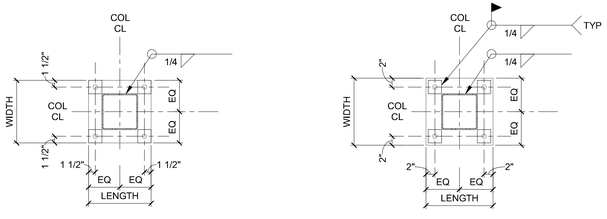
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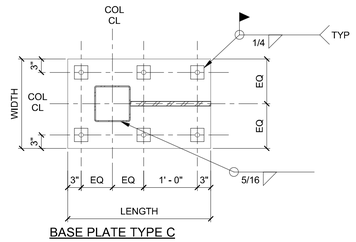
COLUMN BASE PLATE SCHEDULE								
MARK	BASE PLATE				ANCHOR RODS			NOTES
	TYPE	T	W	L	NUMBER	DIA	EMBED	
BP1	A	3/4"	10"	0'-10"	4	3/4"	1' - 0"	
BP2	B	3/4"	12"	1'-0"	4	3/4"	1' - 0"	
BP3	B	1"	14"	1'-2"	4	1"	1' - 6"	
BP4	B	1 1/4"	16"	1'-4"	4	1 1/4"	1' - 6"	
BP5	C	3/4"	12"	2'-4"	6	3/4"	1' - 6"	

NOTES:
1. PROVIDE MINIMUM PLATE WASHER PER PLATE WASHER SCHEDULE UNLESS NOTED OTHERWISE



BASE PLATE TYPE A

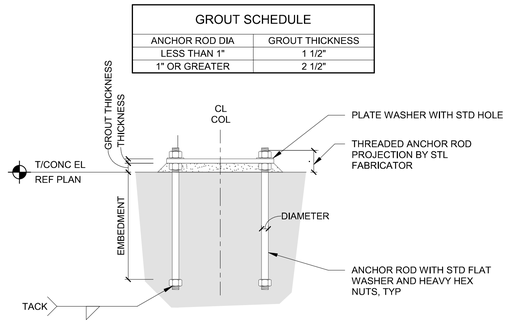
BASE PLATE TYPE B



BASE PLATE TYPE C

1 BASE PLATE AND ANCHOR ROD DIAGRAM
3/4" = 1'-0"

GROUT SCHEDULE	
ANCHOR ROD DIA	GROUT THICKNESS
LESS THAN 1"	1 1/2"
1" OR GREATER	2 1/2"



2 BASE PLATE SECTION
3/4" = 1'-0"

MINIMUM PLATE WASHER SCHEDULE		
ANCHOR ROD DIA	PLATE WASHER SIZE	THICKNESS
3/4"	2"	1/4"
7/8"	2 1/2"	5/16"
1"	3"	3/8"
1 1/4"	3 1/2"	1/2"
1 1/2"	4"	1/2"
1 3/4"	4 1/2"	5/8"
2"	5"	3/4"
2 1/2"	5 1/2"	7/8"

NOTES:
1. CIRCULAR OR SQUARE WASHERS MEETING THE WASHER SIZE ARE ACCEPTABLE

5 PLATE WASHER SCHEDULE
3/4" = 1'-0"

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PROJECT INFORMATION

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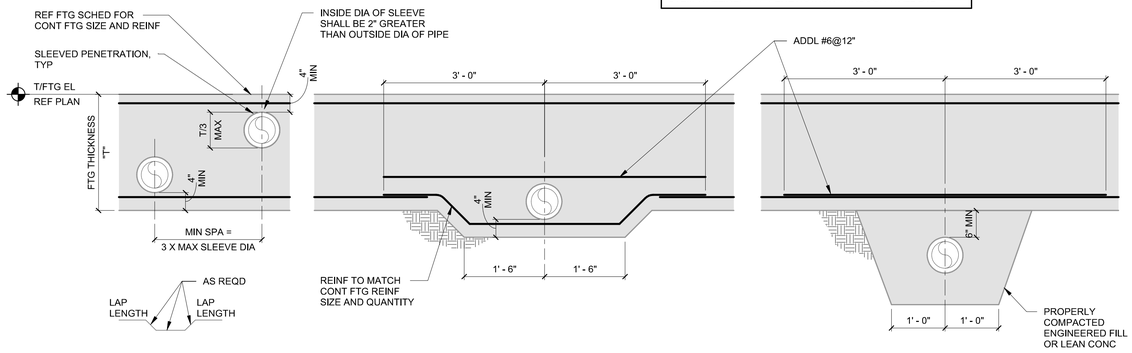
project # 2630004
date 2026 AUGUST 28
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COLUMN BASE PLATE DETAILS

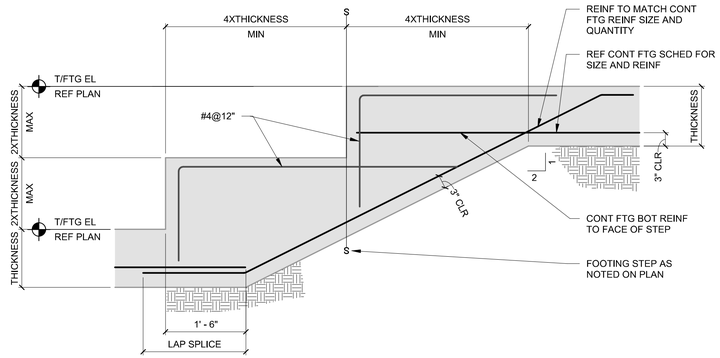
S3.01

2026 AUGUST 28

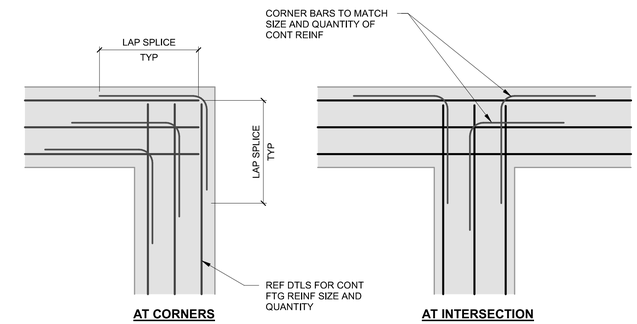
SLEEVE PENETRATIONS WITHIN THE TOP 4" OF FTG: LOWER SLEEVE TO PROVIDE THE MIN CLEAR COVER AS SHOWN OR RAISE ABOVE THE TOP OF FTG TO PENETRATE THROUGH THE STEM WALL.REF TYP PENETRATION THROUGH WALL DTL



6 PENETRATION THROUGH FOOTING
3/4" = 1'-0"



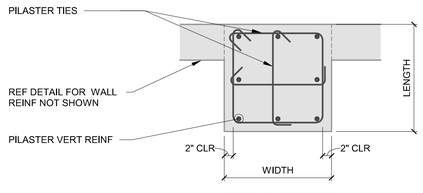
5 STEPPED FOOTING (BOTTOM REINFORCING)
3/4" = 1'-0"



4 CORNER BAR DETAIL
3/4" = 1'-0"

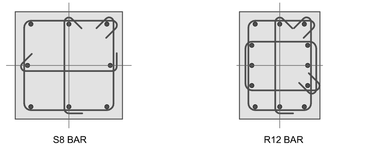
CONCRETE PILASTER SCHEDULE								
MARK	SIZE		VERTICAL BARS		TIES			NOTES
	LENGTH	WIDTH	QUANTITY	SIZE	SIZE	SPACING	TYPE	
P1	1' - 6"	1' - 6"	8	#5	#4	10"	R8	
P2	2' - 0"	2' - 6"	12	#5	#4	10"	R12	

NOTES:
1. ANCHOR RODS, IF APPLICABLE, SHALL BE PLACED WITHIN THE TIES. PROVIDE 3 SETS OF TIES WITHIN 5" OF THE TOP OF THE PILASTER.
2. PROVIDE HOOKS AT EACH END OF THE VERTICAL REINFORCING BARS
3. EARTH FORMING OF THE PILASTERS MAY ONLY BE USED IF THE SIDES OF THE PILASTER CAN BE CUT AND MAINTAINED IN A VERTICAL AND SMOOTH CONDITION UNTIL CONCRETE IS PLACED, OTHERWISE, PILASTERS MUST BE FORMED AND AND CLEAR COVER AT SIDES MAY BE REDUCED FROM 3" TO 2".



TYPICAL SECTION

PILASTER TIE TYPES:



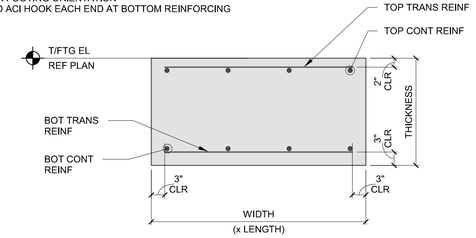
SQUARE BAR ARRANGEMENT — RECTANGULAR BAR ARRANGEMENT

NOTE: ALTERNATE TIE LOCATION AT ASYMMETRIC TIE ARRANGEMENTS

3 CONCRETE PILASTER COLUMN SCHEDULE AND DIAGRAM
3/4" = 1'-0"

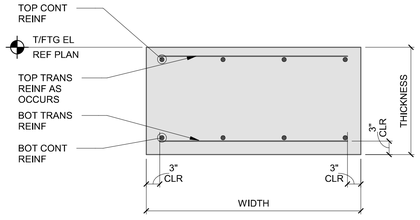
FOOTING SCHEDULE								
MARK	SIZE			BOTTOM REINFORCING		TOP REINFORCING		NOTES
	LENGTH	WIDTH	THICKNESS	LONGITUDINAL	TRANSVERSE	LONGITUDINAL	TRANSVERSE	
F3	3' - 0"	3' - 0"	2' - 0"	3-#6	3-#6	3-#6	3-#6	-
F4	4' - 0"	4' - 0"	2' - 0"	4-#6	4-#6	4-#6	4-#6	-
F5	5' - 0"	5' - 0"	2' - 0"	5-#6	5-#6	5-#6	5-#6	-
F6	6' - 0"	6' - 0"	2' - 0"	6-#6	6-#6	6-#6	6-#6	-
F7	7' - 0"	7' - 0"	2' - 0"	7-#6	7-#6	7-#6	7-#6	-

NOTES:
1. REFER TO PLAN FOR FOOTING ORIENTATION
2. PROVIDE STANDARD ACI HOOK EACH END AT BOTTOM REINFORCING



2 TYPICAL FOOTING SCHEDULE AND DIAGRAM
NTS

CONTINUOUS FOOTING SCHEDULE									
MARK	SIZE		TOP BARS		BOTTOM BARS		TOP AND BOTTOM TRANSVERSE BARS		NOTES
	WIDTH	HEIGHT	QUANTITY	SIZE	QUANTITY	SIZE	SIZE	SPACING	
CF1	1' - 6"	2' - 0"	0	-	3	#5	#3	12"	1
CF2	2' - 0"	2' - 0"	0	-	4	#5	#3	12"	1
CF3	3' - 0"	2' - 0"	4	#5	4	#5	#3	12"	1



1 TYPICAL WALL FOOTING SCHEDULE AND DIAGRAM
NTS

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PROJECT INFORMATION

revisions		
No.	Description	Date

project # 2630004

date 2026 AUGUST 28

director review

FOUNDATION SCHEDULES AND DETAILS

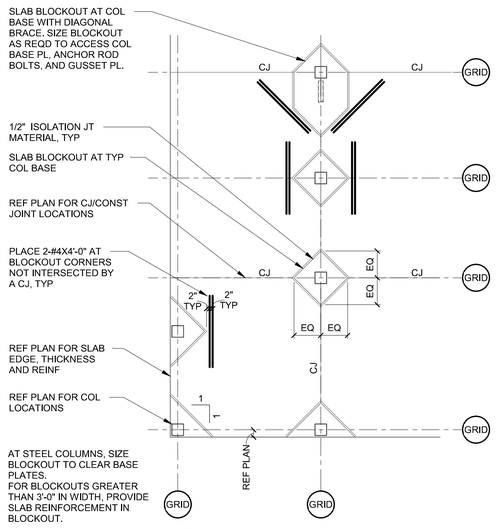
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2026 AUGUST 28

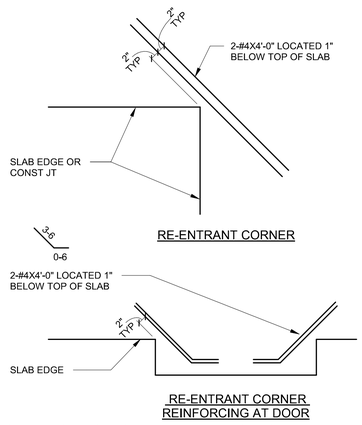
wallace design collective

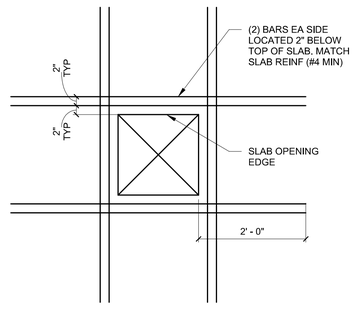
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6 SLAB ON GROUND BLOCKOUT
1/4" = 1'-0"

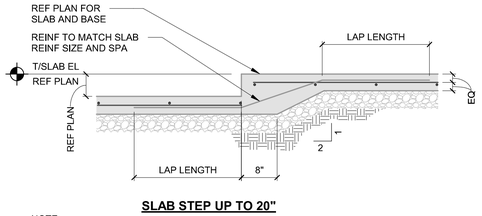




5 SLAB ON GROUND REINFORCEMENT
3/4" = 1'-0"



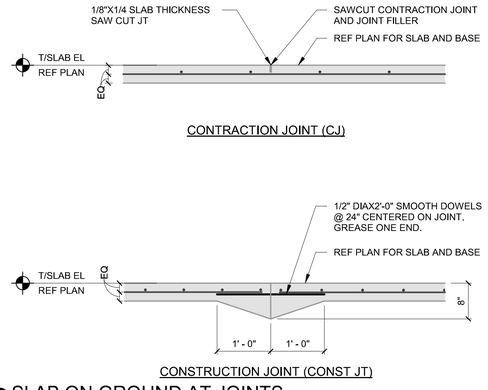
4 SLAB ON GROUND AT FLOOR DRAIN
3/4" = 1'-0"



SLAB STEP UP TO 20"

NOTE:
1. COORD DEPTH AND LOCATION OF ALL FLR DEPRESSIONS WITH ARCH DWGS

3 SLAB ON GROUND STEP DETAIL
3/4" = 1'-0"



2 SLAB ON GROUND AT JOINTS
3/4" = 1'-0"

CONCRETE REINFORCING LAP SPLICE LENGTH SCHEDULE								
BAR SIZE	STRUCTURAL ELEMENT MINIMUM COMPRESSIVE STRENGTH (fc)							
	3000 PSI		4000 PSI		4500 PSI		5000 PSI	
	TOP BARS	OTHER	TOP BARS	OTHER	TOP BARS	OTHER	TOP BARS	OTHER
#3	28"	22"	25"	19"	23"	18"	22"	18"
#4	38"	29"	33"	25"	31"	24"	29"	24"
#5	47"	36"	41"	31"	38"	30"	36"	30"
#6	56"	43"	49"	37"	46"	36"	44"	36"
#7	81"	63"	71"	54"	67"	51"	63"	49"
#8	93"	72"	81"	62"	76"	59"	72"	56"
#9	105"	81"	91"	70"	86"	66"	81"	63"
#10	118"	91"	102"	79"	96"	74"	92"	71"
#11	131"	101"	113"	87"	107"	82"	101"	78"

NOTES:
1. TABULATED VALUES ARE BASED ON A MINIMUM YIELD STRENGTH OF 60,000 PSI REINFORCING STEEL BARS WITHOUT EPOXY COATING AND NORMAL WEIGHT AGGREGATE CONCRETE.
2. TABULATED VALUES ARE BASED ON CONCRETE COVER AT LEAST 1.0DB AND CENTER-TO-CENTER BAR SPACING AT LEAST 2.0DB FOR BEAMS/COLUMNS AND 3.0DB FOR ALL OTHERS.
3. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
4. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.33.
5. DB = DIAMETER OF BAR

1 CONCRETE REINFORCING LAP SCHEDULE
3/4" = 1'-0"

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STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER
No. 20159
DANIEL E. MAYFIELD
2026.08.20 16:07:16-05'00'

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENSES & THE ARTS
ASMSA ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

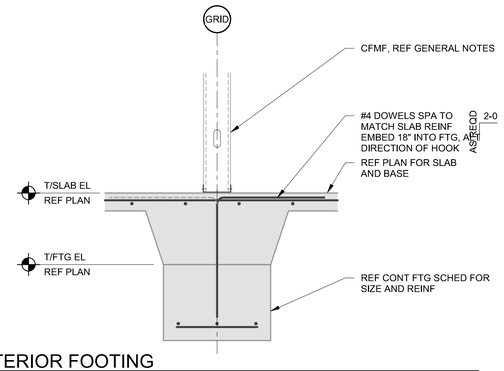
revisions No.	Description	Date

project # 2630004
date 2026 AUGUST 28
director review

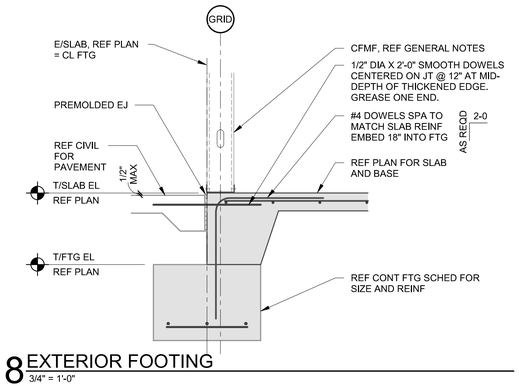
FOUNDATION DETAILS

S3.03

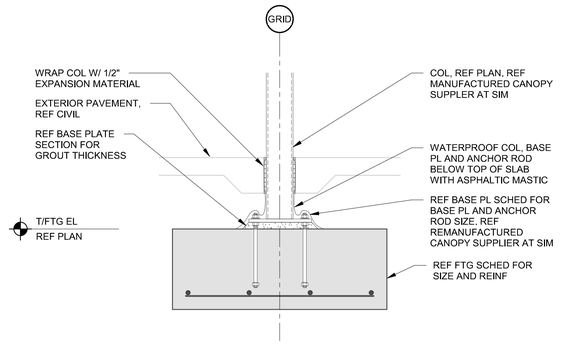
2026 AUGUST 28



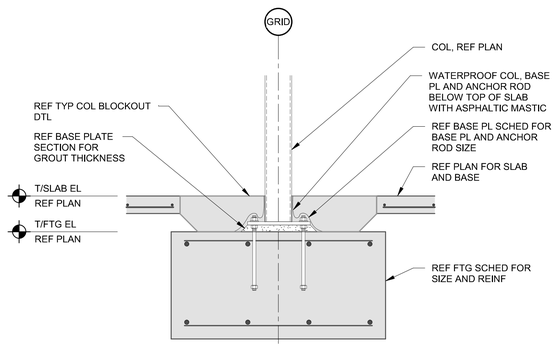
9 INTERIOR FOOTING
3/4" = 1'-0"



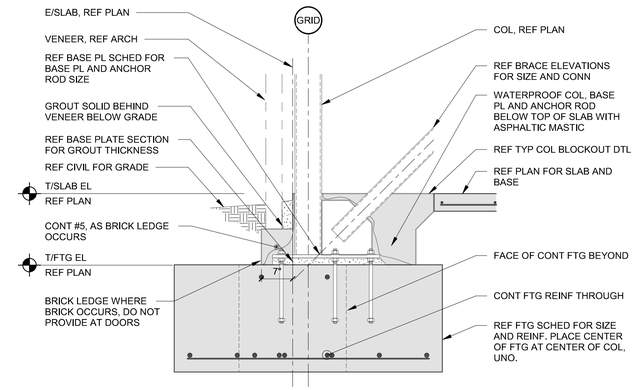
8 EXTERIOR FOOTING
3/4" = 1'-0"



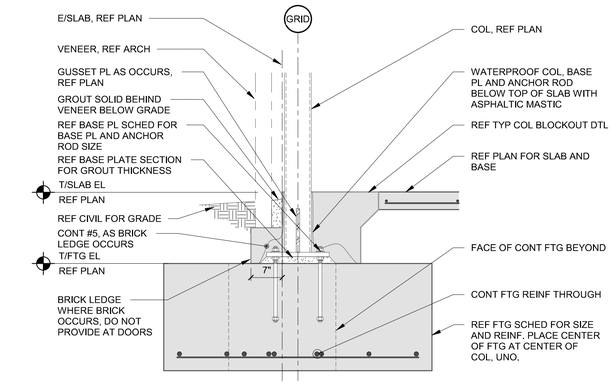
7 STEEL COLUMN AT FOOTING
3/4" = 1'-0"



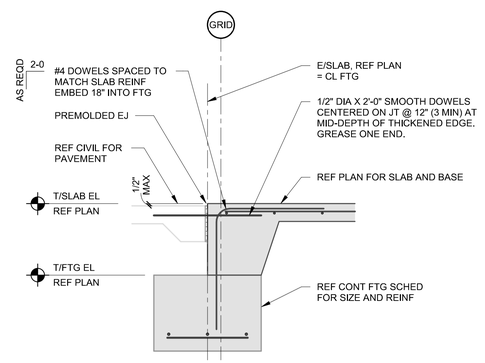
6 STEEL COLUMN AT FOOTING
3/4" = 1'-0"



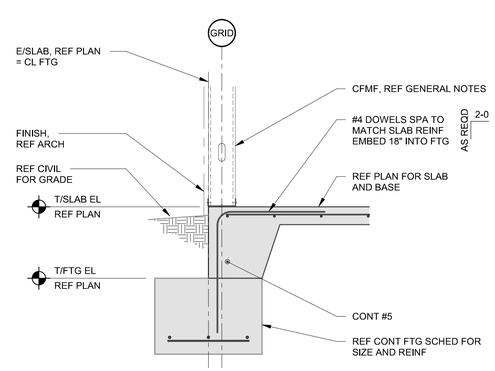
5 STEEL BRACE AT FOOTING
3/4" = 1'-0"



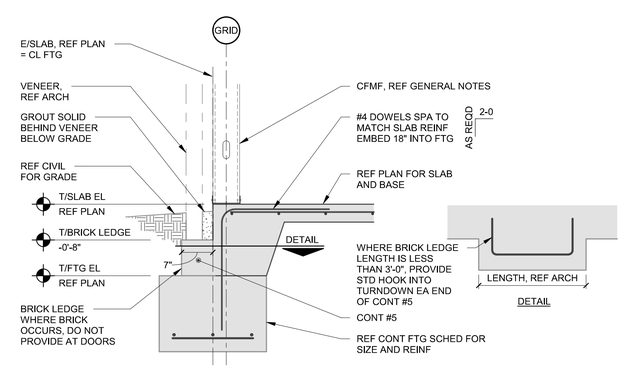
4 STEEL COLUMN AT FOOTING
3/4" = 1'-0"



3 EXTERIOR FOOTING
3/4" = 1'-0"



2 EXTERIOR FOOTING
3/4" = 1'-0"



1 EXTERIOR FOOTING
3/4" = 1'-0"

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REGISTRATION

STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER DANIEL E. MAHAFFEY No. 20159

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENSES & THE ARTS

ASMSA ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project #	2630004
date	2026 AUGUST 28
director review	

FOUNDATION DETAILS

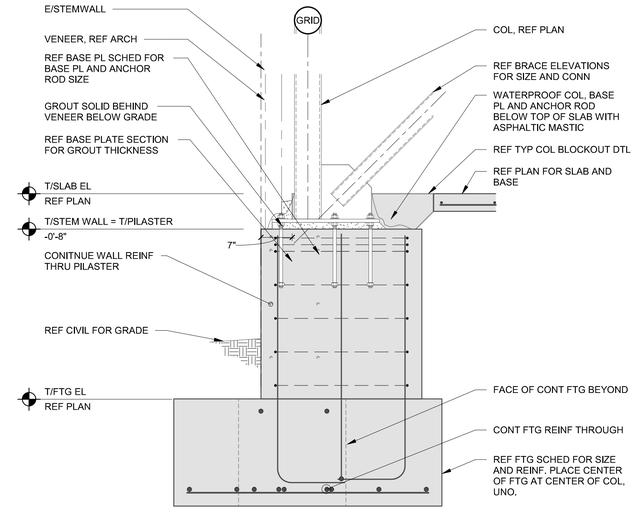
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2026 AUGUST 28

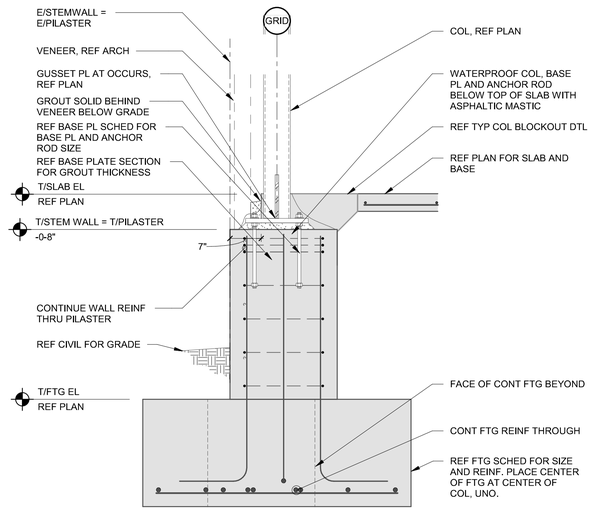
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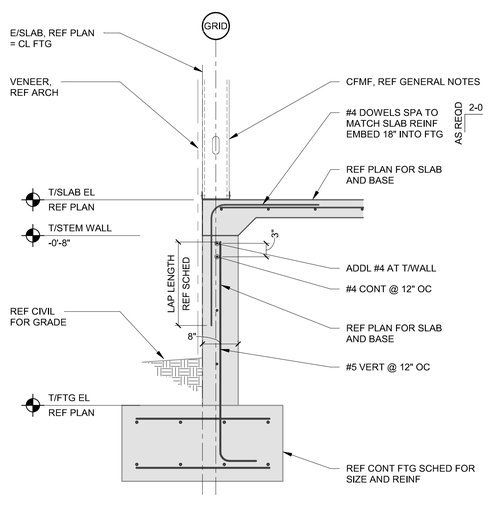
CERTIFICATE OF AUTHORIZATION
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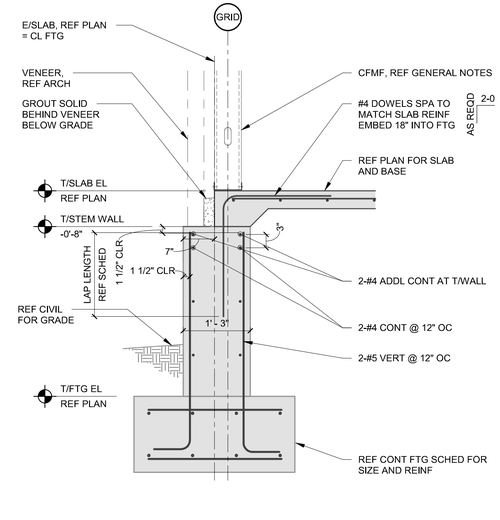
4 STEEL BRACE AT FOOTING
3/4" = 1'-0"



3 STEEL COLUMN AT FOOTING
3/4" = 1'-0"



2 EXTERIOR FOOTING
3/4" = 1'-0"



1 EXTERIOR FOOTING
3/4" = 1'-0"

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2026.08.28 14:07:35 -05'00'

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ASMSA ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

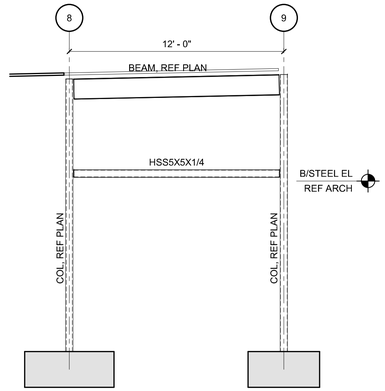
revisions No.	Description	Date

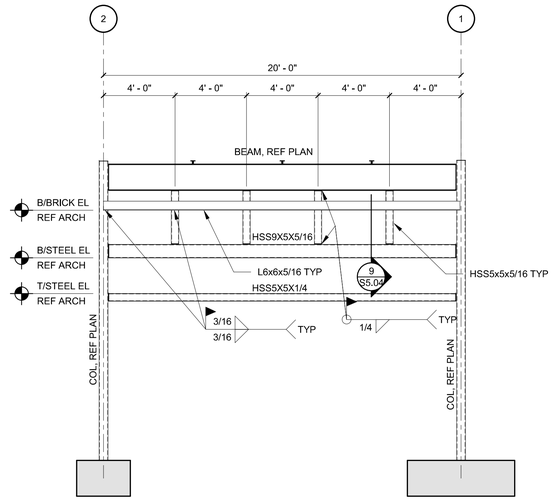
project # 2630004
date 2026 AUGUST 28
director review

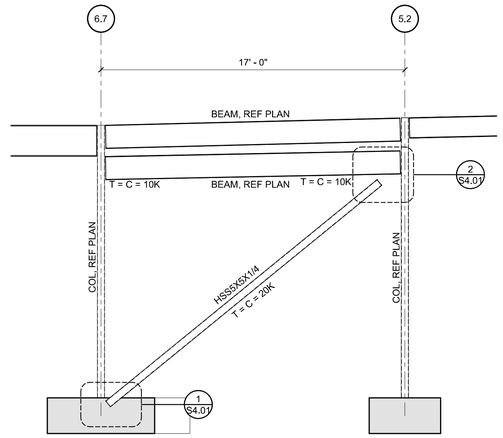
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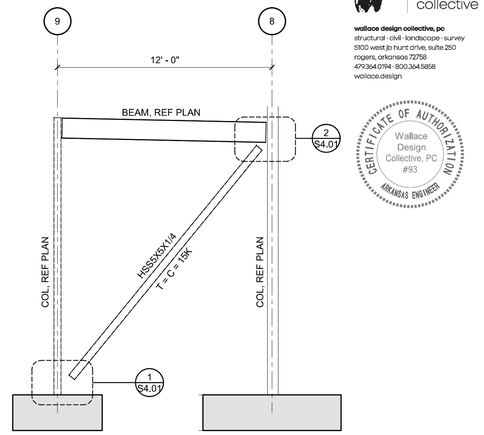
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2026 AUGUST 28







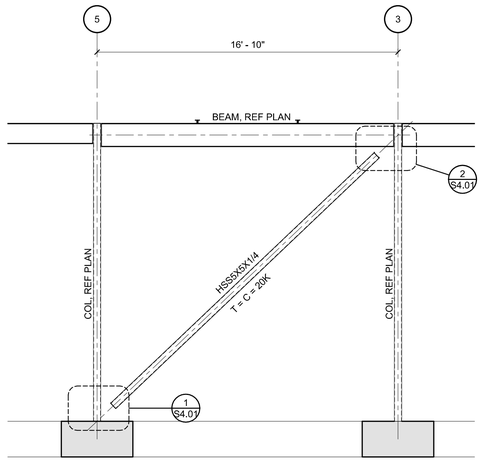


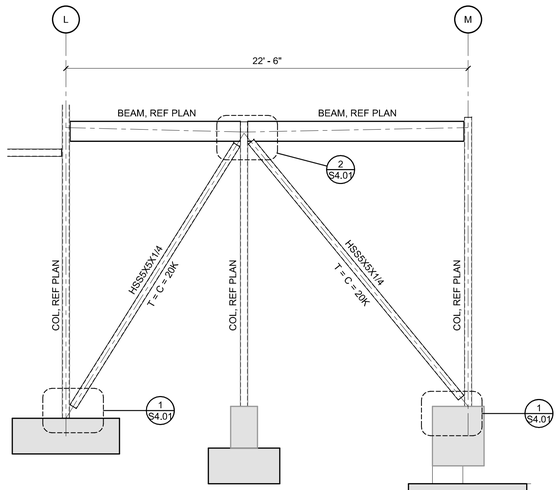
10 FRAMING ELEVATION
1/4" = 1'-0"

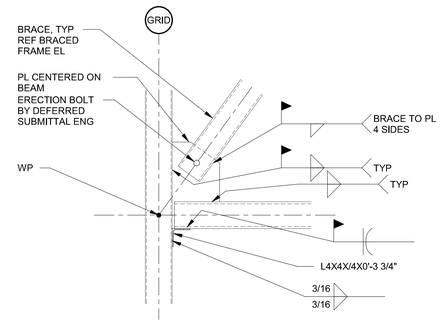
9 FRAMING ELEVATION
1/4" = 1'-0"

8 BRACED FRAME ELEVATION (GL A)
1/4" = 1'-0"

7 BRACED FRAME ELEVATION (GL D)
1/4" = 1'-0"

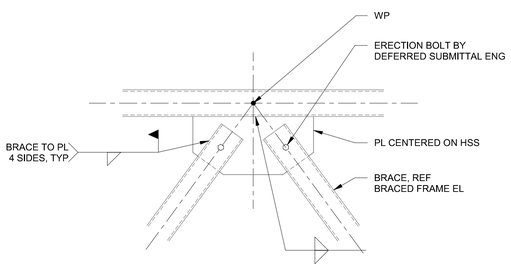






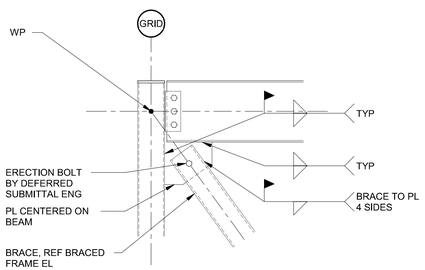
NOTE:
GUSSET PLATE, SHEAR CONNECTIONS AND WELDS
TO BE SIZED BY DEFERRED SUBMITTAL ENGINEER

4 BRACE DETAIL - BEAM TO COL - ELEVATED INTERSECTION
3/4" = 1'-0"



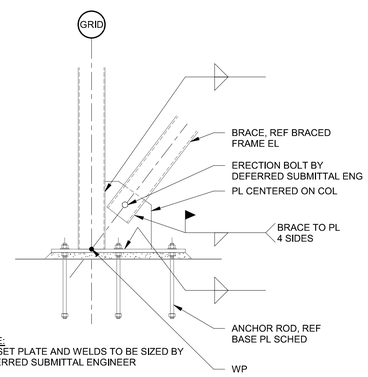
NOTE:
GUSSET PLATE, STIFFENER PLATE AND WELDS TO BE
SIZED BY DEFERRED SUBMITTAL ENGINEER

3 BRACE DETAIL - CENTER OF BEAM
3/4" = 1'-0"



NOTE:
GUSSET PLATE, SHEAR CONNECTIONS AND WELDS
TO BE SIZED BY DEFERRED SUBMITTAL ENGINEER

2 BRACE DETAIL - BEAM TO COL INTERSECTION
3/4" = 1'-0"



NOTE:
GUSSET PLATE AND WELDS TO BE SIZED BY
DEFERRED SUBMITTAL ENGINEER

1 BRACE DETAIL - BASE PLATE
3/4" = 1'-0"

STEEL BRACED FRAME CONNECTION DESIGN NOTES

1. "T" - REPRESENTS LRFD FACTORED TENSION FORCE IN DIAGONAL BRACING MEMBERS.
2. "C" - REPRESENTS LRFD FACTORED COMPRESSION FORCE IN DIAGONAL BRACING MEMBERS.
3. CONNECTIONS SHALL BE DESIGNED BY USING THE LOAD AND RESISTANCE FACTOR DESIGN (LRFD) METHOD AND SHALL MEET ALL REQUIREMENTS OF ANSI/AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" IN THE STEEL CONSTRUCTION MANUAL, ISSUED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).
4. REFER TO FRAMING PLAN FOR GRAVITY LRFD FACTORED BEAM END REACTIONS FOR CONNECTION DESIGN. IF NO REACTION IS SHOWN ON PLAN, DESIGN FOR REACTION SHOWN IN THE TYPICAL BEAM CONNECTION SCHEDULE. REFER TO PLANS FOR LRFD FACTORED AXIAL TENSION AND COMPRESSION FORCES IN BEAMS. GRAVITY LRFD FACTORED BEAM END REACTIONS SHALL BE COMBINED WITH THE LRFD FACTORED TENSION AND COMPRESSION FORCES DUE TO WIND AND SEISMIC AS NOTED ON THE FRAMING PLANS FOR CONNECTION DESIGN.
5. CENTROIDAL AXES OF BRACED FRAME ELEMENTS SHALL INTERSECT AT COMMON WORK POINTS, UNLESS NOTED OTHERWISE
6. CONNECTIONS AT DIAGONAL BRACE MEMBERS SHALL BE COMPLETED PRIOR TO CONCRETE PLACEMENT OF ELEVATED FLOORS.

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REGISTRATION
STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER No. 20150 DANIEL E. MAY
2026.08.20 16:07:44-05'00'

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENSES & THE ARTS

ASMSA ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

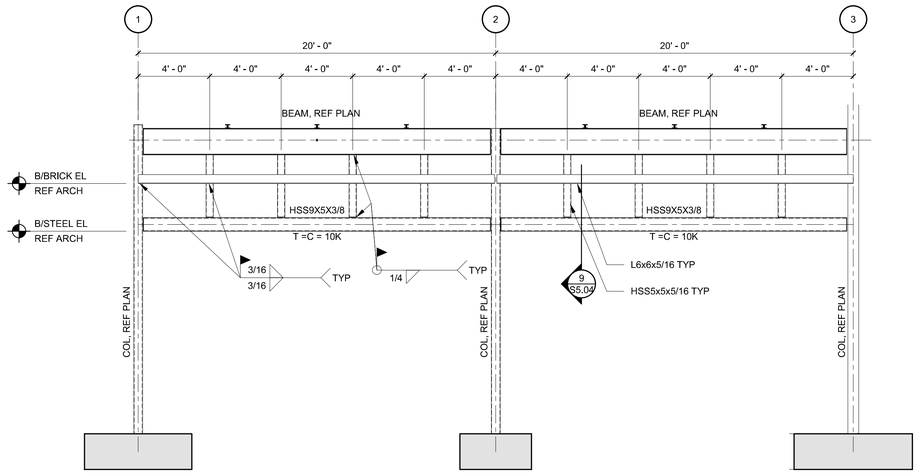
revisions No.	Description	Date

project # 2630004
date 2026 AUGUST 28
director review

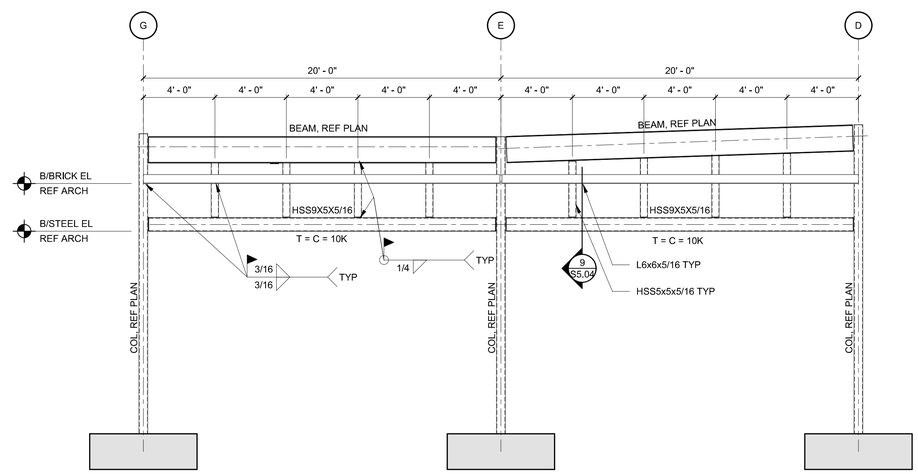
VERTICAL ELEMENTS ELEVATIONS AND DETAILS

S4.01

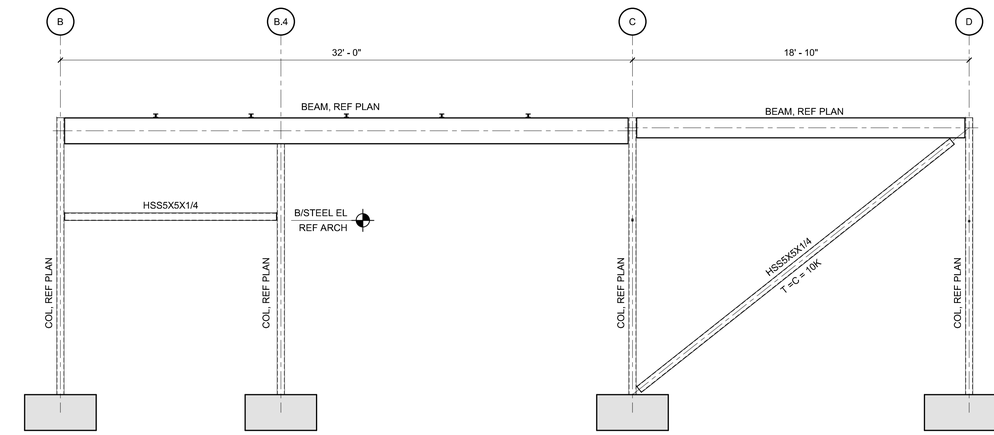
2026 AUGUST 28



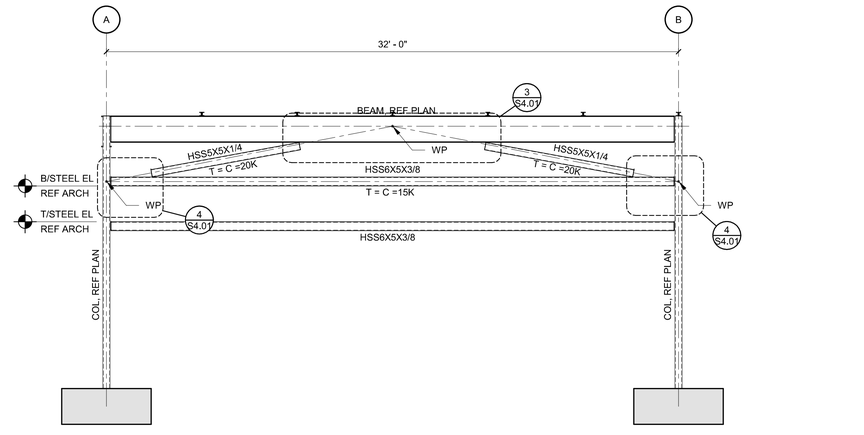
5 FRAME ELEVATION (GL D)
1/4" = 1'-0"



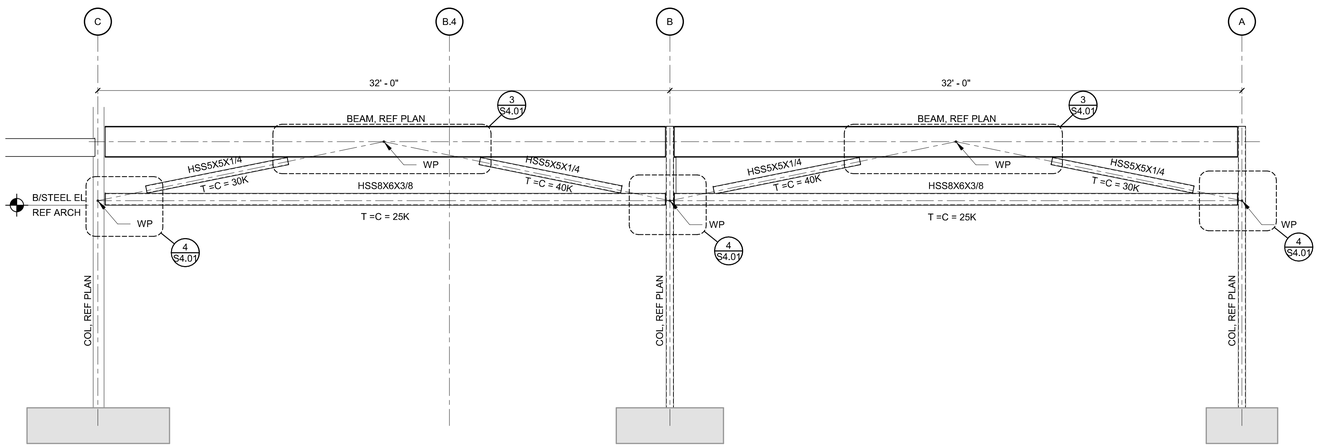
4 FRAME ELEVATION (GL 1)
1/4" = 1'-0"



3 FRAME ELEVATION (GL 9)
1/4" = 1'-0"



2 FRAME ELEVATION (GL 8)
1/4" = 1'-0"



1 FRAME ELEVATION (GL 4)
1/4" = 1'-0"

STEEL BRACED FRAME CONNECTION DESIGN NOTES

1. "T" - REPRESENTS LRFD FACTORED TENSION FORCE IN DIAGONAL BRACING MEMBERS.
2. "C" - REPRESENTS LRFD FACTORED COMPRESSION FORCE IN DIAGONAL BRACING MEMBERS.
3. CONNECTIONS SHALL BE DESIGNED BY USING THE LOAD AND RESISTANCE FACTOR DESIGN (LRFD) METHOD AND SHALL MEET ALL REQUIREMENTS OF ANSI/AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" IN THE STEEL CONSTRUCTION MANUAL, ISSUED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).
4. REFER TO FRAMING PLAN FOR GRAVITY LRFD FACTORED BEAM END REACTIONS FOR CONNECTION DESIGN. IF NO REACTION IS SHOWN ON PLAN, DESIGN FOR REACTION SHOWN IN THE TYPICAL BEAM CONNECTION SCHEDULE. REFER TO PLANS FOR LRFD FACTORED AXIAL TENSION AND COMPRESSION FORCES IN BEAMS. GRAVITY LRFD FACTORED BEAM END REACTIONS SHALL BE COMBINED WITH THE LRFD FACTORED TENSION AND COMPRESSION FORCES DUE TO WIND AND SEISMIC AS NOTED ON THE FRAMING PLANS FOR CONNECTION DESIGN.
5. CENTROIDAL AXES OF BRACED FRAME ELEMENTS SHALL INTERSECT AT COMMON WORK POINTS, UNLESS NOTED OTHERWISE
6. CONNECTIONS AT DIAGONAL BRACE MEMBERS SHALL BE COMPLETED PRIOR TO CONCRETE PLACEMENT OF ELEVATED FLOORS.

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REGISTRATION

STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER No. 20139 DANIEL E. MAYES

2026.08.28 16:07:54 -05'00'

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENSES & THE ARTS

ASMSA ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # 2630004

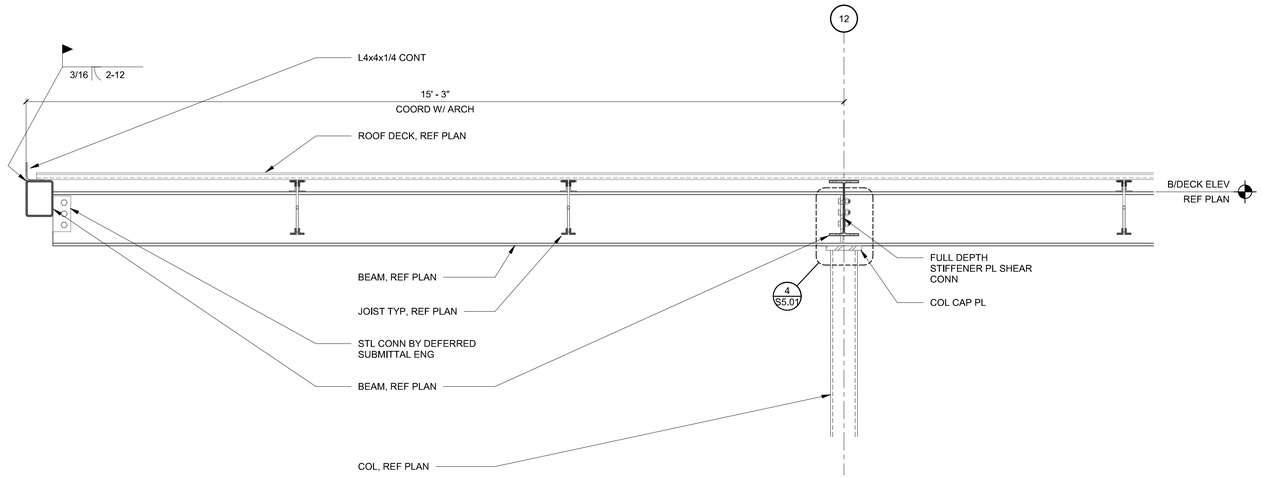
date 2026 AUGUST 28

director review

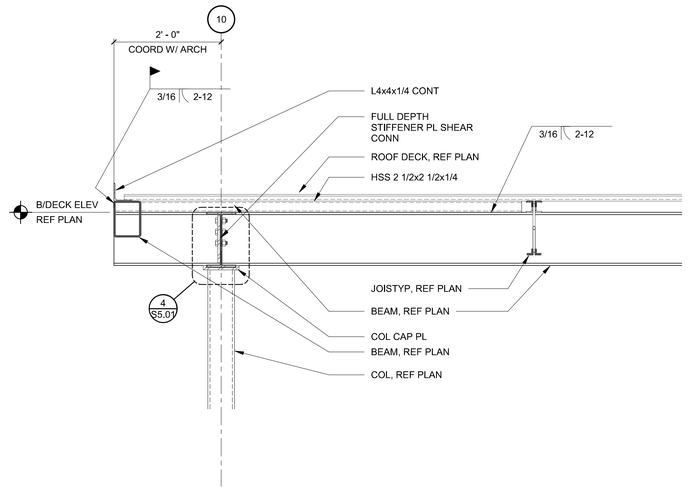
VERTICAL ELEMENTS ELEVATIONS AND DETAILS

S4.02

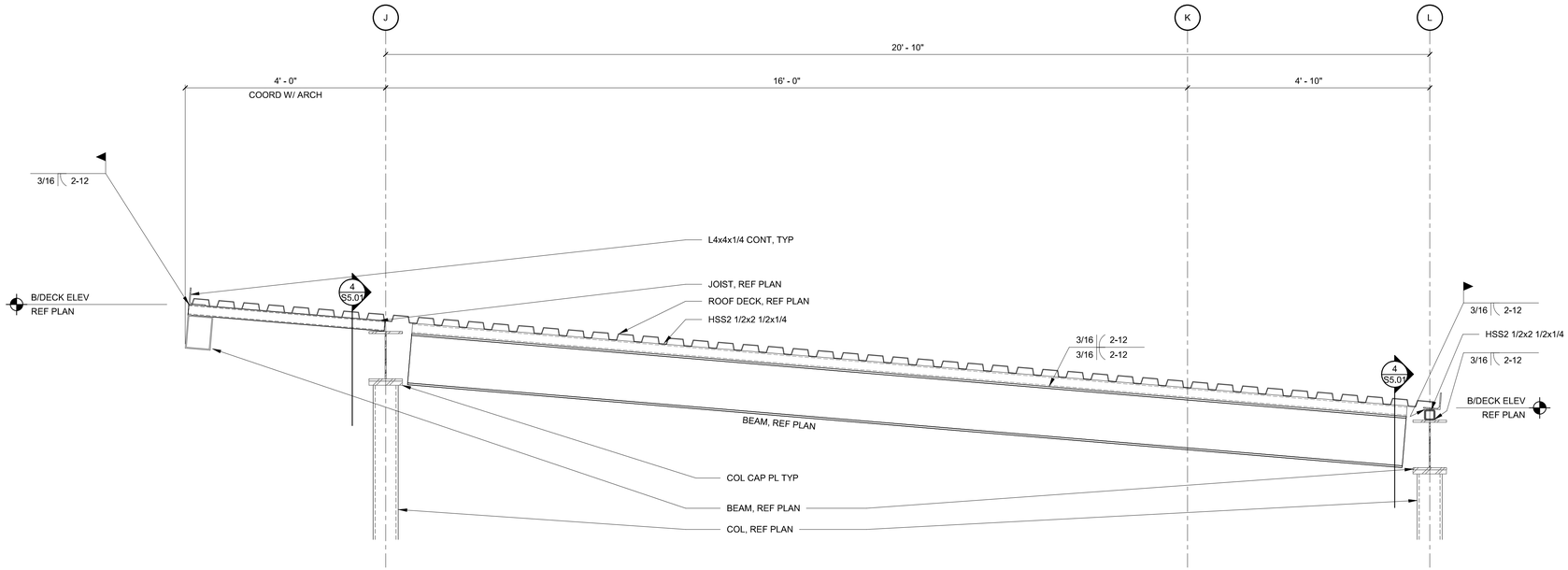
2026 AUGUST 28



3 HIGH ROOF SECTION
3/4" = 1'-0"



2 HIGH ROOF SECTION
3/4" = 1'-0"



1 HIGH ROOF SECTION
3/4" = 1'-0"

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ASMSA ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

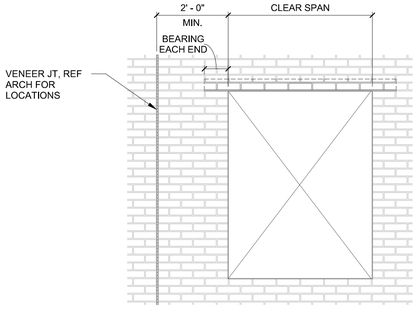
revisions No.	Description	Date

project # 2630004
date 2026 AUGUST 28
director review

ROOF FRAMING DETAILS

S4.03

2026 AUGUST 28



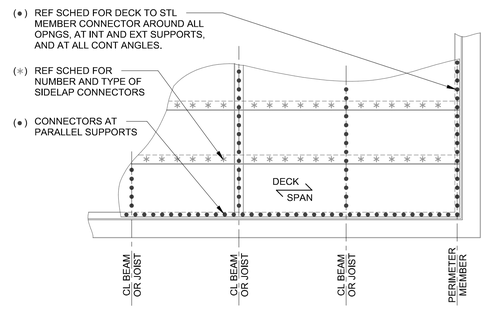
MASONRY VENEER LOOSE LINTEL SCHEDULE			
CLEAR SPAN	LINTEL TYPE	BEARING LENGTH	NOTES
0' - 0" TO 12' - 0"	L6X6X5/16 GALV	8"	

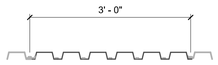
NOTES:
1. SHORE ALL OPENINGS UNTIL MASONRY HAS CURED FOR A MINUMUM OF 72 HOURS.
2. CONSULT ENGINEER FOR CLEAR SPANS GREATER THAN MAXIMUM LISTED.

8 LOOSE LINTEL ANGLE SCHEDULE
1/2" = 1'-0"

ROOF DECK DIAPHRAGM CONNECTION SCHEDULE			
LOCATION	(•) DECK TO STEEL MEMBER CONNECTOR PATTERNED AND TYPE	(*) SIDELAP CONNECTOR NUMBER AND TYPE	(•) CONNECTIONS AT PARALLEL SUPPORT
ALL ROOFS	36/7 - 5/8" DIA PUDDLE WELDS	#10 TEKS SCREWS AT 12" OC	5/8" DIA PUDDLE WELDS AT 12" OC

NOTES:
1. WELDING WASHERS SHALL BE USED WITH DECK THICKNESSES LESS THAN 22 GAGE.
2. COORDINATE REQUIREMENTS FOR VENTED DECK WITH CONCRETE INSULATING FILL.
3. ROOF DECK IS REQUIRED TO ACT AS A DIAPHRAGM. CONNECTION SHALL BE IN ACCORDANCE WITH STEEL DECK INSTITUTE SPECIFICATION AND AS SHOWN IN SCHEDULE AND DETAIL.
4. DECKING SHALL BE CONTINUOUS OVER A MINIMUM OF (3) SPANS, UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS. DECK SPLICES ARE TO BE OVER SUPPORTS.
5. NO HANGING LOADS SHALL BE ATTACHED TO ROOF DECK.
6. HILTI PINS AND SIDELAP FASTENERS MAY BE USED AT THE CONTRACTOR'S SUBSTITUTION REQUEST. SUBMIT DECK CONNECTION CALCULATIONS THAT MEET OR EXCEED THE CAPACITY OF WHAT IS INDICATED IN THE SCHEDULE SIGNED AND SEALED BY AN ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED. PERSONNEL INSTALLING HILTI FASTENERS SHALL RECEIVE ON SITE TRAINING FOR PROPER INSTALLATION BY A HILTI FIELD REPRESENTATIVE. CONTACT HILTI FOR ON SITE TRAINING.

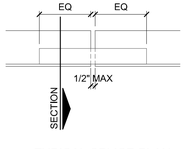




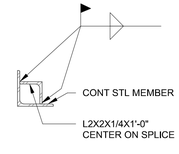
1.5B CONNECTOR
PATTERN DIAGRAM (36/7)

5 ROOF DECK DIAPHRAGM CONNECTION DETAIL
3/4" = 1'-0"

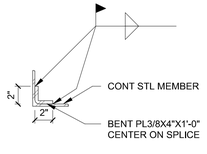
NOTES:
1. PROVIDE L4x4x1/4 WHERE CONTINUOUS STEEL MEMBER IS NOT SPECIFIED IN SCHEDULE OR IN DETAILS.
2. ALL CONTINUOUS MEMBERS ARE TO BE SPLICED PER DETAILS BELOW.



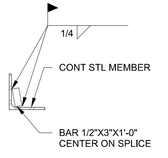
TYPICAL SPLICE PLAN



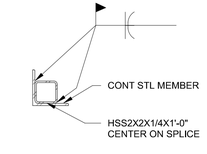
ANGLE OPTION



BENT PLATE OPTION



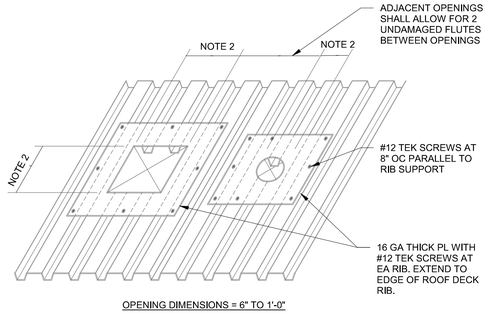
STEEL PLATE OPTION



HSS OPTION

TYPICAL SECTION OPTIONS

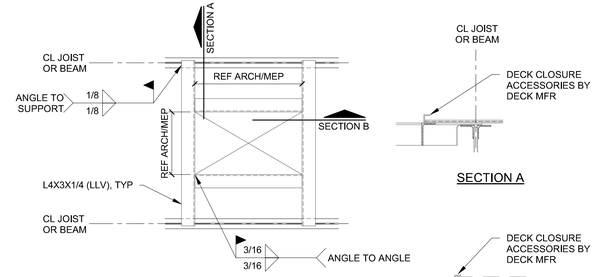
2 CHORD SPLICE DETAIL AND SCHEDULE
1 1/2" = 1'-0"



OPENING DIMENSIONS = 6" TO 1'-0"

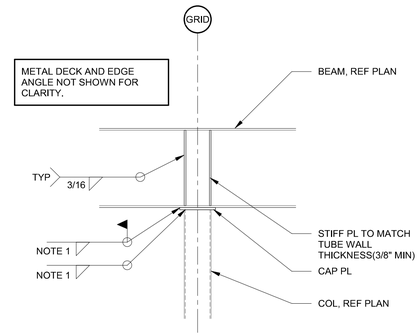
NOTES:
1. REINFORCING PLATE IS NOT REQUIRED FOR OPENINGS LESS THAN 6" X 6"
2. INDICATES THE LARGER OF THE OPENING SIZE DIMENSIONS = 6" TO 1'-0"
3. ONLY ONE OPENING ALLOWED PER DECK SPAN. ADJACENT OPENINGS SHALL BE SPACED TO ALLOW FOR A MINIMUM OF 2 UNDAMAGED FLUTES.
4. FOR OPENING LARGER THAN 1'-0" REFER TO OPENING IN ROOF DECK LARGER THAN 12"x12" DETAIL.

7 ROOF DECK REINFORCEMENT AT UNFRAMED ROOF OPENINGS
3/4" = 1'-0"



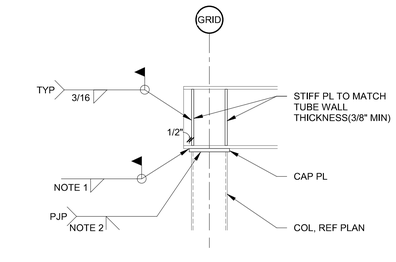
NOTES:
1. STEEL SUPPLIER TO FURNISH STOCK ANGLE FOR FIELD FABRICATED FRAMES
2. REFER TO ROOF DECK DIAPHRAGM CONN DIAGRAM FOR DECK ATTACHMENT TO SUPPORT ANGLE

6 OPENING IN ROOF DECK LARGER THAN 12"x12"
NTS



NOTES:
1. STEEL CONNECTION DEFERRED SUBMITTAL ENGINEER TO SIZE PLATES AND WELD SIZES.

4 FRAMING DETAIL
3/4" = 1'-0"



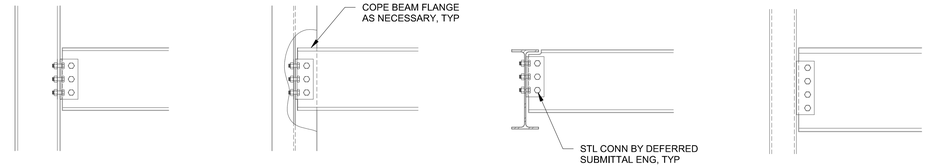
NOTES:
1. STEEL CONNECTION DEFERRED SUBMITTAL ENGINEER TO SIZE PLATES AND WELD SIZES.
2. PJP EFFECTIVE WELD SIZE TO MATCH THICKNESS OF THE HSS COLUMN THICKNESS.

3 TUBE COLUMN AT ROOF MOMENT CONNECTION
3/4" = 1'-0"

THE STEEL FABRICATOR SHALL BE RESPONSIBLE FOR DESIGN AND ADEQUACY OF ALL CONNECTIONS THAT ARE NOT FULLY DETAILED ON THE CONTRACT DOCUMENTS. REFER TO PLANS, ELEVATIONS, AND SCHEDULE FOR LRFD FACTORED LOADS, AND REFER TO STEEL BEAM MINIMUM CONNECTION SCHEDULE FOR MINIMUM CONNECTION REQUIRED.

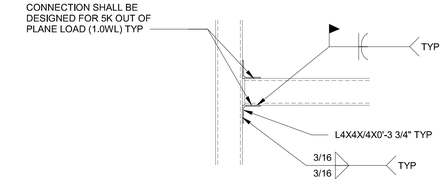
STEEL BEAM MINIMUM CONNECTION SCHEDULE				
BEAM	MIN BOLT DIA	MIN NUMBER OF BOLTS	MIN LRFD FACTORED END REACTIONS (KIPS)	NOTES
W8	3/4"	2	24	1,2,3,4
W10	3/4"	2	24	1,2,3,4
W12	3/4"	3	38	1,2,3,4
W14	3/4"	3	38	1,2,3,4
W16	3/4"	4	52	1,3,4
W18	3/4"	4	52	1,3,4
W21	3/4"	5	64	1,3,4
W24	3/4"	6	76	1,3,4
W27	3/4"	7	88	1,3,4
W30	3/4"	8	101	1,3,4
W33	3/4"	8	101	1,3,4
W36	3/4"	9	113	1,3,4
W40	3/4"	9	113	1,3,4

NOTES:
1. UNLESS INDICATED ON FRAMING PLAN AND CORRESPONDING DETAILS OR NOTES BELOW, SCHEDULE INDICATES THE MINIMUM NUMBER OF BOLTS ALLOWED FOR BEAM CONNECTIONS.
2. MINIMUM BOLT SCHEDULE APPLIES TO CHANNEL SECTIONS OF SAME NOMINAL DEPTHS, UNLESS NOTED OTHERWISE.
3. CONNECTIONS SHALL BE DESIGNED FOR LRFD FACTORED END REACTIONS SHOWN ON PLANS. IF NO REACTION IS SHOWN ON PLAN, DESIGN FOR REACTION IN SCHEDULE.
4. REFER TO PLAN FOR REQUIRED MOMENT CONNECTION

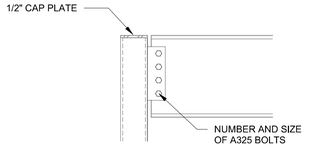


BEAM TO FLANGE CONNECTIONS | BEAM TO WEB CONNECTIONS | BEAM TO BEAM CONNECTIONS | BEAM TO HSS

1 STEEL BEAM CONNECTION SCHEDULE AND DETAILS
3/4" = 1'-0"



HSS BEAM TO HSS



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(TBD) ALUMNI LANE
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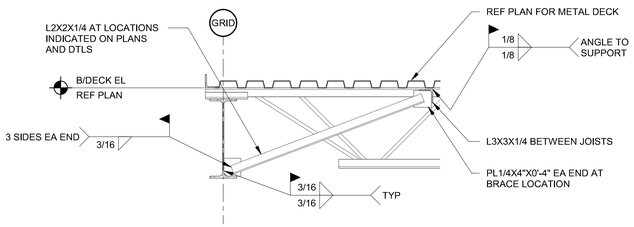
revisions			
No.	Description	Date	

project # 2630004
date 2026 AUGUST 28
director review

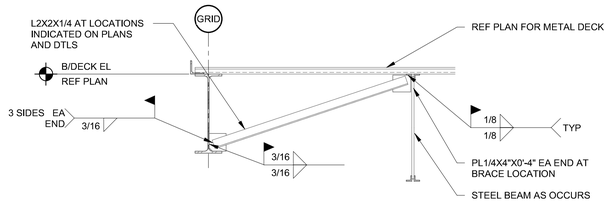
FRAMING SCHEDULES AND DETAILS

S5.01

2026 AUGUST 28

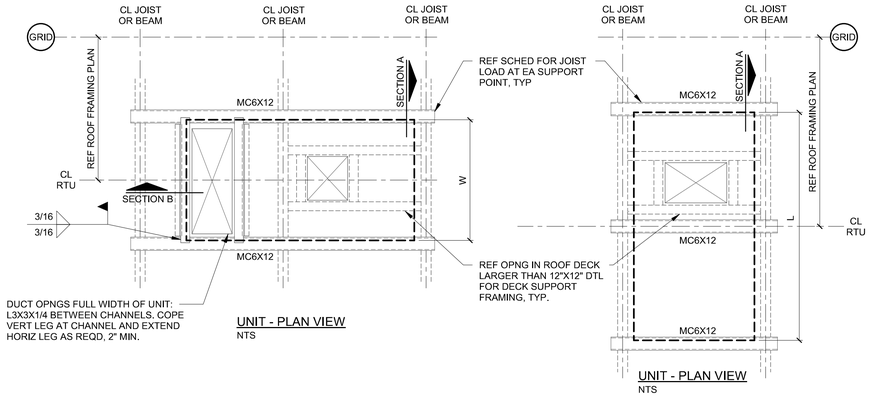


PERPENDICULAR TO BEAM BETWEEN JOISTS



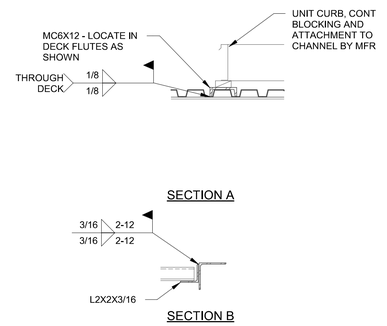
JOIST PARALLEL TO BEAM

7 KICKER BRACE CONNECTION
3/4" = 1'-0"



UNIT - PLAN VIEW
NTS

UNIT - PLAN VIEW
NTS

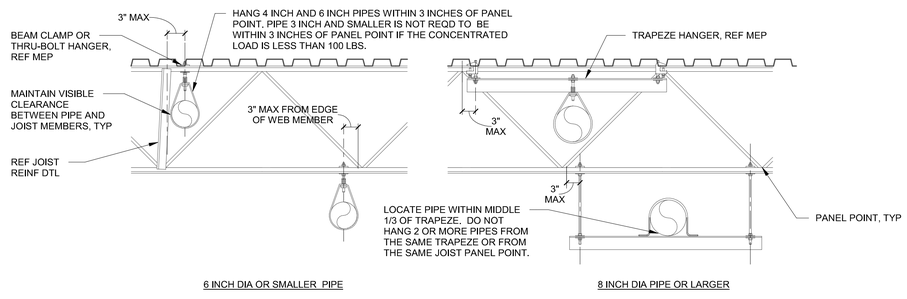


NOTES:

1. THE UNIT DIMENSIONS SHOWN ARE FOR THE JOIST MANUFACTURER TO USE TO LOCATE CONCENTRATED LOADS AND ARE NOT INTENDED TO PROVIDE EXACT LOCATIONS OF STEEL FRAMING FOR SUPPORT OF THE UNIT. LOCATION OF STEEL FRAMING SHALL BE COORDINATED WITH THE MECHANICAL CONTRACTOR.
2. REMOVE DECK AT DUCT PENETRATIONS ONLY.
3. INSTALL MC6X12'S AFTER DECK PLACEMENT.
4. POSITION CURB OVER CHANNELS AND LOCATE REQUIRED DUCT PENETRATIONS THROUGH ROOF. REFER TO MECHANICAL DRAWINGS FOR EXACT SIZES.
5. DECK SUPPORT ANGLE MAY BE OMITTED IF EDGE OF PENETRATION IS WITHIN 6 INCHES OF A JOIST.

6 ROOF TOP UNIT AND DECK SUPPORT (1.5" ROOF DECK)
3/4" = 1'-0"

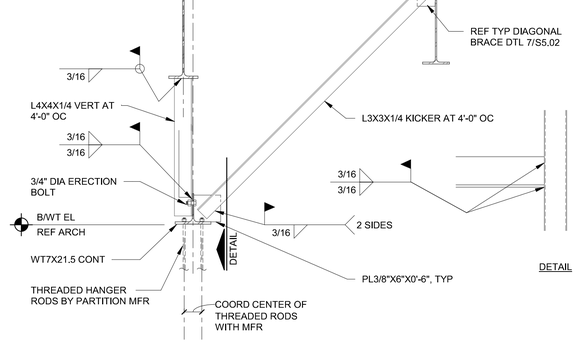
MAXIMUM HANGER SPACING FOR PIPING PERPENDICULAR TO JOISTS		
4" DIA PIPE	6" DIA PIPE	8" DIA PIPE OR LARGER
BEAM CLAMP OR THRU BOLT HANGER: 12'-0" MAX OR EVERY OTHER JOIST	BEAM CLAMP: 6'-0" MAX OR EVERY JOIST THRU BOLT HANGER: 12'-0" MAX OR EVERY OTHER JOIST	BEAM CLAMP OR THRU BOLT HANGER: 6'-0" MAX OR EVERY JOIST



6 INCH DIA OR SMALLER PIPE

8 INCH DIA PIPE OR LARGER

PIPE RUNNING PERPENDICULAR TO JOIST



DETAIL

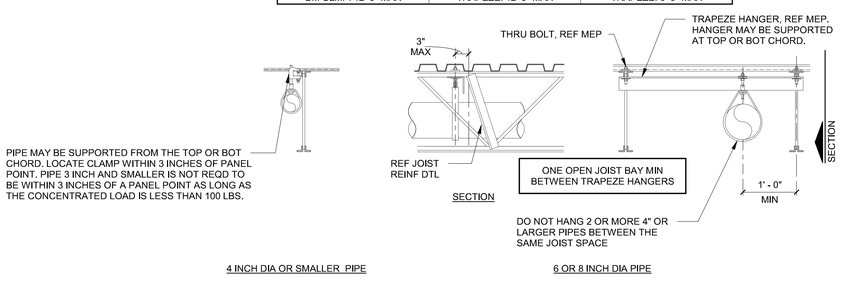
5 MOVABLE PARTITION SUPPORT
3/4" = 1'-0"

JOIST SEAT TO STEEL SUPPORT MINIMUM WELD SCHEDULE			
JOIST SECTION*	MINIMUM FILLET WELD		NOTES
	SIZE	LENGTH	
K1-12	1/8"	2 1/2"	
LH02-06	3/16"	2 1/2"	
LH07-17	1/4"	2 1/2"	
LH19-25	1/4"	4"	
DLH10-17	1/4"	2 1/2"	
DLH18-25	1/4"	4"	

NOTES:
1. JOIST SECTION IS THE LAST DIGIT(S) OF JOIST DESIGNATION
2. WELD IS ON EA SIDE OF JOIST SEAT

4 JOIST TO SUPPORT MINIMUM WELD SCHEDULE
12" = 1'-0"

MAXIMUM HANGER SPACING FOR PIPING PARALLEL TO JOISTS		
4" DIA PIPE	6" DIA PIPE	8" DIA PIPE OR LARGER
BM CLMP: 12'-0" MAX	TRAPEZE: 12'-0" MAX	TRAPEZE: 6'-0" MAX



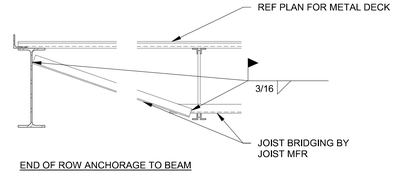
4 INCH DIA OR SMALLER PIPE

6 OR 8 INCH DIA PIPE

PIPE RUNNING PARALLEL TO JOIST

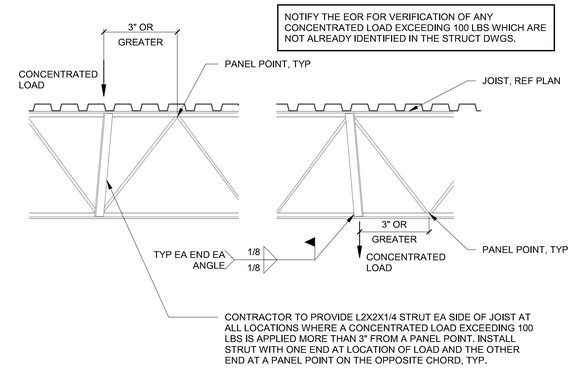
NOTES:
1. UTILIZE THESE HANGING METHODS FOR ALL PIPING. SPACE HANGERS IN ACCORDANCE WITH SCHEDULE. LOCATE HANGERS WITHIN 3 INCHES OF JOIST PANEL POINTS IF HANGER CANNOT BE LOCATED WITHIN 3" OF PANEL POINT PROVIDE JOIST REINFORCING PER THE JOIST FIELD STRUT DETAIL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE PIPE SUPPORTS AND CONNECTIONS UNLESS SPECIFICALLY DESIGNED AND DETAILED BY OTHER DISCIPLINES.

3 PIPE SUPPORT
3/4" = 1'-0"



END OF ROW ANCHORAGE TO BEAM

2 BRIDGING CONNECTION
3/4" = 1'-0"



1 JOIST FIELD STRUT DETAIL
3/4" = 1'-0"

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CERTIFICATE OF AUTHORIZATION — Wallace Design Collective, PC #93 — ARKANSAS ENGINEER

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REGISTRATION

STATE OF ARKANSAS — DANIEL E. HAMMONS — LICENSED PROFESSIONAL ENGINEER — No. 20150

2026.08.20 16:08:27-05'00'

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENSES & THE ARTS
ASMSA ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # 2630004

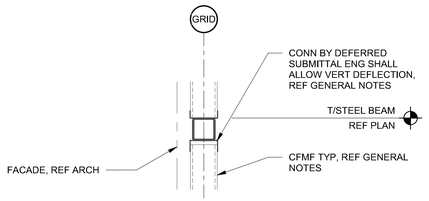
date 2026 AUGUST 28

director review

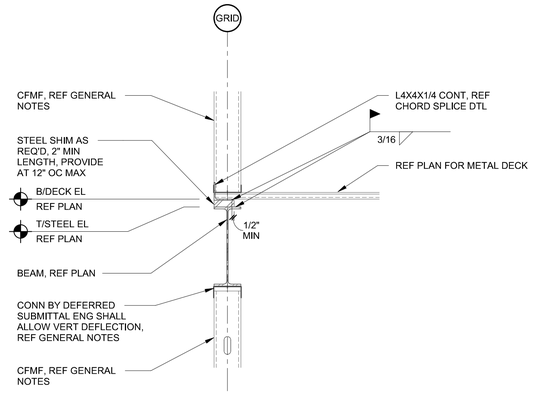
FRAMING DETAILS

S5.02

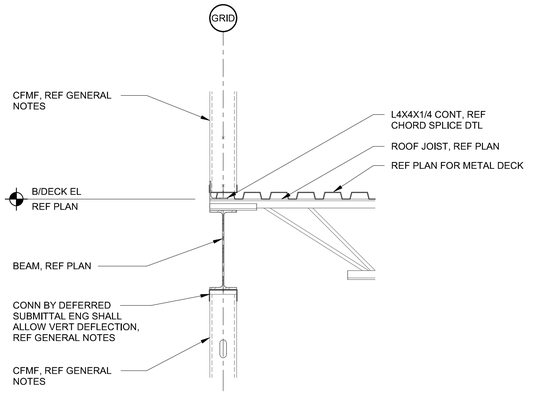
2026 AUGUST 28



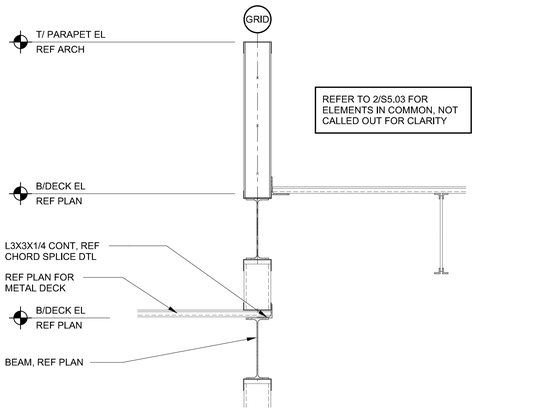
9 FRAMING SECTION
3/4" = 1'-0"



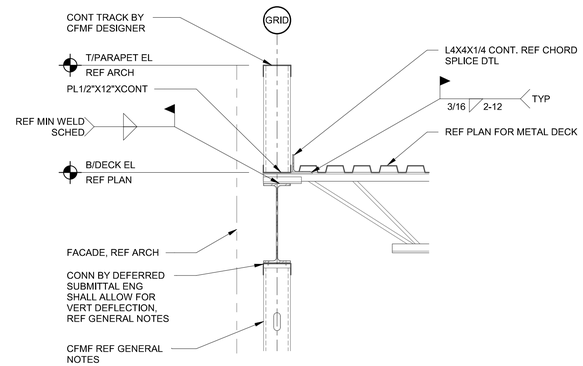
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3/4" = 1'-0"



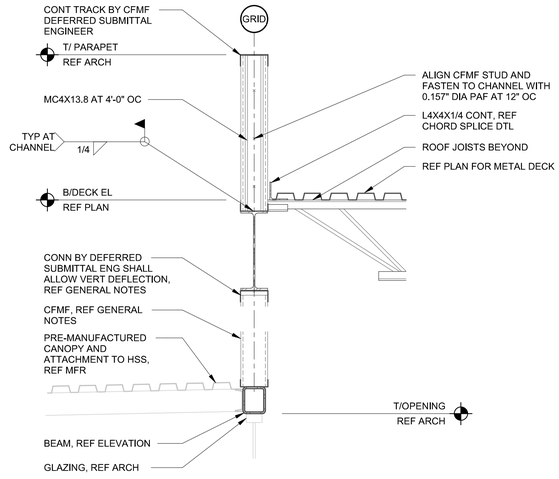
7 STEEL JOIST TO STEEL BEAM
3/4" = 1'-0"



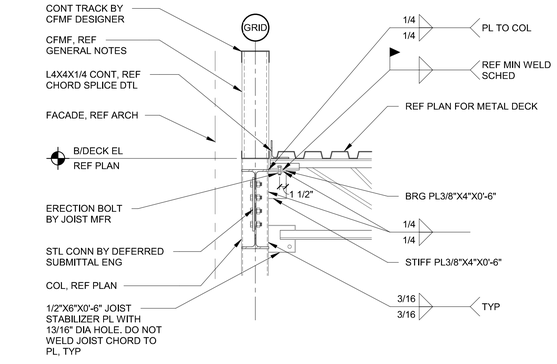
6 JOIST TO EXTERIOR STEEL BEAM
3/4" = 1'-0"



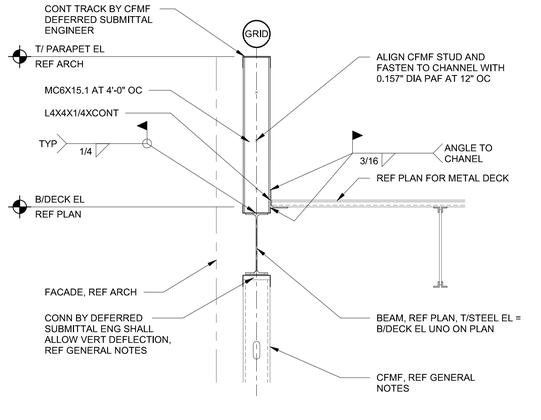
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3/4" = 1'-0"



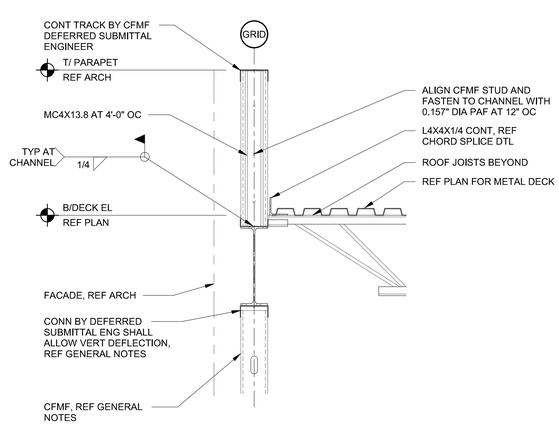
4 STEEL JOIST TO EXTERIOR STEEL BEAM
3/4" = 1'-0"



3 STEEL JOIST TO EXTERIOR STEEL COLUMN
3/4" = 1'-0"



2 JOIST TO EXTERIOR STEEL BEAM
3/4" = 1'-0"



1 STEEL JOIST TO EXTERIOR STEEL BEAM
3/4" = 1'-0"

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REGISTRATION

STATE OF ARKANSAS
JOSEPH DANIEL MAHAFFEY
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No. 20150
DANIEL E. MAHAFFEY
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ASMSA ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

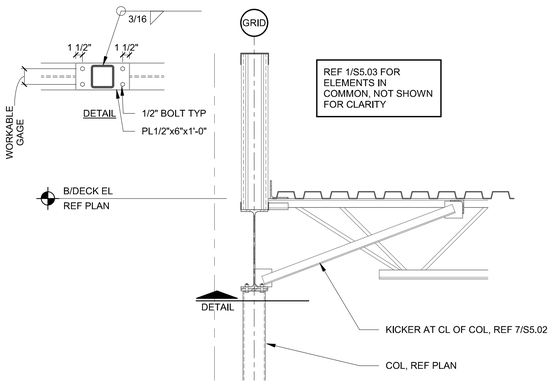
revisions No.	Description	Date

project # 2630004
date 2026 AUGUST 28
director review

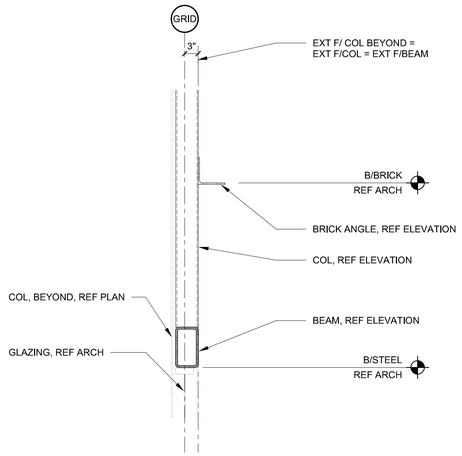
FRAMING DETAILS

S5.03

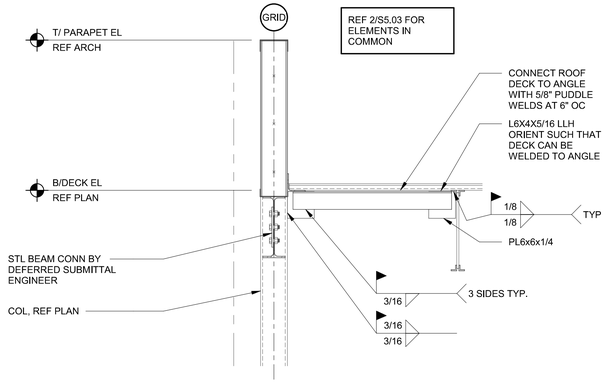
2026 AUGUST 28



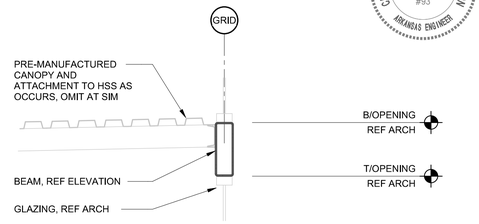
10 FRAMING SECTION
3/4" = 1'-0"



9 FRAMING SECTION
3/4" = 1'-0"



8 JOIST TO EXTERIOR STEEL BEAM
3/4" = 1'-0"

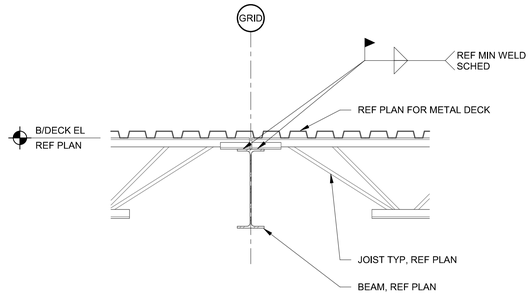


7 FRAMING SECTION
3/4" = 1'-0"

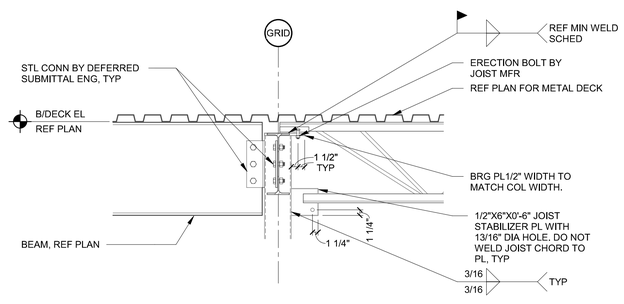
6 FRAMING SECTION
3/4" = 1'-0"

5 FRAMING SECTION
3/4" = 1'-0"

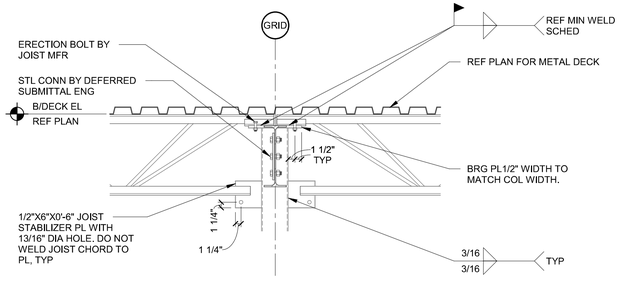
4 STEEL JOIST AND BEAM TO STEEL BEAM
3/4" = 1'-0"



3 STEEL JOIST TO STEEL BEAM
3/4" = 1'-0"



2 STEEL JOIST AND BEAM TO STEEL HSS COLUMM
3/4" = 1'-0"



1 STEEL JOIST TO STEEL HSS COLUMM
3/4" = 1'-0"

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(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions		
No.	Description	Date

project # 2630004
date 2026 AUGUST 28
director review

FRAMING DETAILS

S5.04

2026 AUGUST 28

ABBREVIATIONS

(AS APPLICABLE)

(E)	EXISTING
3CS	THREE-COMPARTMENT SINK
A	AMP, AMPERE
A/E	ARCHITECT / ENGINEER
AAV	AIR ADMITTANCE VALVE
ABV	ABOVE
AC	AIR CONDITIONER, AIR CONDITIONING
AD	ACCESS DOOR
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFMD	AIR FLOW MEASURING DEVICE
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
ANSI	AMERICAN NAT'L STANDARDS INSTITUTE
AL	ALUMINUM
AP	ACCESS PANEL
ARCH	ARCHITECT, ARCHITECTURAL
ARI	AIR CONDITIONING & REFRIG INSTITUTE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, & AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING & MATERIALS
ATC	AUTOMATIC TEMP CONTROLS
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
AWS	AMERICAN WELDING SOCIETY
AWWA	AMERICAN WATER WORKS ASSOCIATION
BAS	BUILDING AUTOMATION SYSTEM
BDD	BACKDRAFT DAMPER
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BT	BATHTUB
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
BV	BALANCING VALVE
BWV	BACKWATER VALVE
C	COMMON
CA	COMBUSTION AIR
CD	CEILING SUPPLY AIR DIFFUSER
CD	CONDENSATE DRAIN
CF	CEILING FAN
CF	CUBIC FEET
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CKT	CIRCUIT
CLG	CEILING
CO	CARBON MONOXIDE
CO	CLEANOUT
CO2	CARBON DIOXIDE
CONFIG	CONFIGURATION
COP	COEFFICIENT OF PERFORMANCE
CU	CONDENSING UNIT
CU	COPPER
CV	CIRCUIT VENT
CV	CONSTANT VOLUME
CWV	COMBINATION WASTE & VENT
DB	DRY-BULB TEMPERATURE
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREES
DF	DRINKING FOUNTAIN
DH	DUCT HEATER
DI	DEIONIZED WATER
DIA, ø	DIAMETER
DISC	DISCONNECT
DN	DOWN
DN	DOWNSPOUT NOZZLE
DOM	DOMESTIC
DP	DEW POINT
DPS	DIFFERENTIAL PRESSURE SENSOR
DWG	DRAWING
DX	DIRECT EXPANSION
EA	EACH
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
EG	EXHAUST GRILLE
ELEC	ELECTRICAL
EM	EMERGENCY LIGHTING
ENT	ENTERING
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EW	EYE WASH
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
F	FAHRENHEIT
FACP	FIRE ALARM CONTROL PANEL
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FD	FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISHED FLOOR ELEVATION
FLA	FULL LOAD AMPS
FM	FLOW METER
FP	FIRE PROTECTION
FPC	FIRE PROTECTION CONTRACTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FPWH	FREEZE PROOF WALL HYDRANT
FS	FLOOR SINK
FS	FLOW SWITCH
FT	FEET
GA	GAUGE
GAL	GALLONS
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GFCI/GFI	GROUND FAULT CIRCUIT INTERRUPTER
GI	GREASE INTERCEPTOR
GPD	GALLONS PER DAY
GPM	GALLONS PER MINUTE
GR	GRAINS
GR	GROUND
HB	HOSE BIBB
HD	HEAD
HD	HUB DRAIN
HOA	HAND / OFF / AUTOMATIC
HP	HEAT PUMP
HP	HORSEPOWER
HS	HAND SINK
HS	HAND SWITCH
HZ	HERTZ
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
I/O	INPUT / OUTPUT
IE	INVERT ELEVATION
IG	ISOLATED GROUND
IN	INCHES
IN WC	INCHES OF WATER COLUMN
IND	INDIRECT
IPLV	INTEGRATED PART LOAD VALUE
KV	KILOVOLT
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LB, #	POUNDS
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
LWT	LEAVING WATER TEMPERATURE
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MBH	1000 BTUH
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM BRANCH CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MFR	MANUFACTURER
MHB	MIXING HOSE BIBB
MIN	MINIMUM
MLO	MAIN LUG ONLY
MM	MILLIMETER
MOCP	MAXIMUM OVERCURRENT PROTECTION
MS	MOP SINK
MUA	MAKE-UP AIR
MZ	MULTI-ZONE
N/A	NOT APPLICABLE
N.C.	NORMALLY CLOSED
NC	NOISE CRITERIA
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MFR'S ASSOCIATION
NFC	NOT FOR CONSTRUCTION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
N.O.	NORMALLY OPEN
NOM	NOMINAL
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OI	OIL INTERCEPTOR
OS&Y	OUTSIDE STEM AND YOKE
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMIN.
PB	PUSH BUTTON
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	PHASE
PLBG	PLUMBING
PNLBD	PANELBOARD
PPM	PARTS PER MILLION
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH - ABSOLUTE
PSIG	POUNDS PER SQUARE INCH - GAUGE
QTY	QUANTITY
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
RAW	RETURN AIR WALL GRILLE
RC	REFRIGERATION CONTRACTOR
RCPTS	RECEPTACLES
RD	RADIATION DAMPER
RD	ROOF DRAIN
REBAL	REBALANCE
RECIRC	RECIRCULATE
REF	REFERENCE
REL	RELOCATED
REQ	REQUIRED
REV	REVISION, REVISE
RG	RETURN GRILLE
RH	RADIANT HEATER
RH	RELATIVE HUMIDITY
RLA	RUNNING LOAD AMPS
RO	REVERSE OSMOSIS
ROD	ROOF OVERFLOW DRAIN
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SAW	SUPPLY AIR WALL REGISTER
SC	SECURITY CAMERA
SC	SENSIBLE CAPACITY
SD	SMOKE DETECTOR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF	SQUARE FEET
SF	SUPPLY FAN
SH	SHOWER
SK	SINK
SM	SHEET METAL
SMACNA	SHEET METAL & A/C CONT NAT'L ASSOC.
SOV	SHUT-OFF VALVE
SP	STATIC PRESSURE
SPEC	SPECIFICATION
STD	STANDARD
SZ	SINGLE-ZONE
TAB	TESTING, ADJUSTING, BALANCE
TC	TOTAL CAPACITY
TD	TEMPERATURE DIFFERENCE
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TFD	TO FLOOR DRAIN
TG	TRANSFER GRILLE
THRU	THROUGH
TMV	THERMOSTATIC MIXING VALVE
TP	TOTAL PRESSURE
TP	TRAP PRIMER
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TYP	TYPICAL
U/F	UNDER FLOOR
U/G	UNDER GROUND
U/S	UNDER SLAB
UC	UNDERCUT DOOR
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES, INC.
UR	URINAL
UNO	UNLESS NOTED OTHERWISE
V	VENT
V	VOLT
VA	VOLT-AMPERE
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VBF	VENT BELOW FLOOR
VBG	VENT BELOW GRADE
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW
VTR	VENT THRU ROOF
W	WATTS
w/	WITH
w/o	WITHOUT
WB	WASHER BOX
WB	WET-BULB TEMPERATURE
WC	WATER CLOSET
WC	WATER COLUMN
WG	WATER GAUGE
WH	WATER HEATER
WV	WET VENT

PIPING SYMBOLS

(AS APPLICABLE)

SYMBOL	DESCRIPTION
CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER SUPPLY
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
TWS	SUPPLY FROM TOWER
TWR	RETURN TO TOWER
S#	STEAM AT # PSI
SR	STEAM CONDENSATE RETURN
R	REFRIGERATION (SUCTION & LIQUID)
CD	CONDENSATE DRAIN
	PIPE: RISE / FALL / TEE DOWN
	SHUT-OFF VALVE
	BALANCING VALVE
	PRESSURE REDUCING VALVE
	EMERGENCY SHUT-OFF VALVE W/ FUSIBLE LINK
	2-WAY CONTROL VALVE (ELECTRIC/ELECTRONIC)
	3-WAY CONTROL VALVE (ELECTRIC/ELECTRONIC)
	2-WAY CONTROL VALVE (PNEUMATIC)
	3-WAY CONTROL VALVE (PNEUMATIC)
	ASME RELIEF VALVE
	CHECK VALVE
	REDUCED PRESSURE ZONE (RPZ)
	STRAINER w/ DRAIN VALVE
H	AIR VENT (A-AUTO, H-HAND)
	PRESSURE AND TEMPERATURE TAP
	PRESSURE GAUGE W/ INSERTION WELL
	THERMOMETER W/ INSERTION WELL
FM	GPM FLUID FLOW METER
	ANCHOR
	PIPE GUIDE
	FLANGE
	UNION
	FLEXIBLE PIPE CONNECTOR
	CAPPED PIPE
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER

ANNOTATION SYMBOLS

(AS APPLICABLE)

SYMBOL	DESCRIPTION
	PLAN NOTE (PER SHEET)
XXXX	KITCHEN EQUIPMENT REFERENCE NUMBER
	POINT OF CONNECTION TO EXISTING
	TERMINATION OF DEMOLITION
	CONTINUATION
1 / M1	DETAIL NUMBER / SHEET NUMBER
1 / M1	SECTION CUT DESIGNATION

DUCTWORK SYMBOLS

(AS APPLICABLE)

SYMBOL	DESCRIPTION
12"ø	12"ø DIAMETER ROUND DUCT (INSIDE CLEAR DIMENSIONS)
18"x12"	RECTANGULAR DUCT 18" WIDE BY 12" DEEP (INSIDE CLEAR DIMENSIONS)
18"/12"Φ	FLAT OVAL DUCT 18" WIDE BY 12" DEEP (INSIDE CLEAR DIMENSIONS)
	MEDIUM / HIGH PRESSURE DUCTWORK (REFER TO SPECIFICATIONS)
	SPIRAL DUCTWORK (REFER TO SPECIFICATIONS)
	SUPPLY DUCT IN SECTION
	RETURN DUCT IN SECTION
	EXHAUST DUCT IN SECTION
	ELBOW WITH TURNING VANES (GREATER THAN 45° ANGLE ONLY)
	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
	VOLUME/BALANCE DAMPER
M	MOTORIZED DAMPER
	FIRE DAMPER (FD)
	SMOKE DAMPER (SD)
	COMBINATION FIRE/SMOKE DAMPER (FSD)
A | 3 / 10"x10" / 500	DEVICE MARK | THROW PATTERN (IF SHOWN) NECK SIZE OR LENGTH OF LINEAR DIFFUSER CFM
T	THERMOSTAT
S	TEMPERATURE SENSOR
C	CO2 SENSOR
H	HUMIDISTAT
D	SMOKE DETECTOR
SP	STATIC PRESSURE SENSOR
P	PULL STATION

APPLICABLE CODES

2021 ARKANSAS FIRE PREVENTION CODE, VOLUME I - FIRE
2021 ARKANSAS FIRE PREVENTION CODE, VOLUME II - BUILDING
2021 ARKANSAS MECHANICAL CODE (AMC)
2020 NFPA 70 - NATIONAL ELECTRICAL CODE (NEC)
2018 ARKANSAS PLUMBING CODE (APC)
2018 ARKANSAS FUEL GAS CODE (AFGC)
2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

DESIGN CONDITIONS

WEATHER STATION (2025 ASHRAE HANDBOOK):

HOT SPRINGS, AR, USA (WMO: 723415)
ELEVATION: 505 FT.

OUTDOOR DESIGN CONDITIONS:

COOLING (0.4%):	98.6°F DB / 75.6°F WB
DEHUMIDIFICATION (0.4%):	76.7°F DP / 83.5°F DB
ENTHALPY (0.4%):	43.3 BTU/LB / 90.7°F DB
HEATING (99.6%):	20.9°F DB
HUMIDIFICATION (99.6%):	5.8°F DP / 27.3°F DB

INDOOR DESIGN CONDITIONS:
(UNLESS SPECIFIED BY ROOM ELSEWHERE)

SUMMER:	72°F DB / 50% RH
WINTER:	70°F DB

PRIGM ENGINEERING, PLLC
CERTIFICATE OF AUTHORIZATION
No. 3588
ARKANSAS

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MECHANICAL GENERAL NOTES

(AS APPLICABLE)

1. NOTES APPLY TO ALL MECHANICAL SHEETS.
2. EACH CONTRACTOR IS RESPONSIBLE FOR HAVING THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS AS THEY RELATE TO THIS WORK. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED DUE TO LACK OF THIS KNOWLEDGE.
3. PROVIDE ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS. PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE MINIMUM REQUIREMENTS.
4. ALL MECHANICAL EQUIPMENT SHOWN ON THE MECHANICAL PLANS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. UNLESS NOTED OTHERWISE, THE INDICATION AND/OR DESCRIPTION OF ANY ITEM, IN THE DRAWINGS OR SPECIFICATIONS CARRIES WITH IT THE INSTRUCTION TO FURNISH AND INSTALL THE ITEM. ALL EQUIPMENT AND MATERIALS PROVIDED BY THE CONTRACTOR WILL BE NEW; THERE WILL BE NO ALLOWANCE FOR REUSED MATERIAL UNLESS EXPLICITLY INDICATED OTHERWISE BY THE ENGINEER OR OWNER.
5. OBTAIN AND PAY FOR ALL PERMITS REQUIRED BY THIS WORK. PROVIDE TO THE ARCHITECT OR OWNER'S CONSTRUCTION MANAGER A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS.
6. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRICAL RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, SEQUENCE, DEVICE, OPTION, FITTING, OR COMPONENT. DO NOT SCALE FLOOR PLANS FOR EXACT LOCATION OF DUCT OR PIPE ROUTING. NOTIFY THE ARCHITECT OR OWNER'S CONSTRUCTION MANAGER OF ANY CONFLICTS OR DISCREPANCIES.
7. INFORMATION AND COMPONENTS SHOWN ON DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE VERSA, SHALL BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH.
8. PROVIDE A CONSTRUCTION RECORD SET OF "AS-BUILT" DOCUMENTS TO THE ARCHITECT OR OWNER'S CONSTRUCTION MANAGER REFLECTING ANY VARIANCES OF INSTALLED EQUIPMENT, DUCT, OR PIPING LOCATIONS CONTRARY TO THE CONSTRUCTION DOCUMENTS.
9. COORDINATE THE INSTALLATION OF THE MECHANICAL SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. ANY MODIFICATIONS REQUIRED DUE TO LACK OF COORDINATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.
10. THESE DRAWINGS REFLECT SYSTEMS DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS (BASIS OF DESIGN), THE SELECTION OF WHICH INFLUENCED THE DESIGNS OF OTHER TRADES. IF SUBSTITUTE MANUFACTURERS, SIZES, MODELS, ETC. ARE SUBMITTED, IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE ALL DIFFERENCES WITH OTHER TRADES. ALL COSTS OF ALL TRADES ASSOCIATED WITH THE SUBSTITUTION SHALL BE INCLUDED.
11. MECHANICAL CONTRACTOR (MC) SHALL COORDINATE AND VERIFY THE FOLLOWING WITH THE ELECTRICAL CONTRACTOR (EC) PRIOR TO BID:
    A. DISCONNECTS:
    - WHERE NOT FURNISHED WITH EQUIPMENT: FURNISHED BY EC, INSTALLED BY EC.
    - WHERE FURNISHED WITH EQUIPMENT: FURNISHED BY MC, INSTALLED BY EC.
12. NEW MECHANICAL EQUIPMENT, DUCTWORK AND PIPING ARE SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL DUCTWORK AND PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE DUCTWORK AND PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.
13. COORDINATE DUCTWORK AND PIPE ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT INSTALL DUCTWORK OR PIPING OVER ELECTRICAL PANELS.
14. SEAL PENETRATIONS THROUGH THE BUILDING COMPONENTS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS. REFER TO ARCHITECTURAL PLANS FOR WALL AND FLOOR TYPES.
15. DUCTWORK IDENTIFICATION AND INSTALLATION SHALL ADHERE TO GOVERNING CODES.
16. INSTALL DUCTWORK AND PIPING PARALLEL TO BUILDING COLUMN LINES UNLESS OTHERWISE SHOWN OR NOTED. ALL DUCTS SHALL BE MOUNTED HIGH AS POSSIBLE AGAINST BOTTOM OF STRUCTURE EXCEPT AS REQUIRED TO AVOID CONFLICTS WITH INTERSECTING DUCTS. DIAGONALLY OFFSET DUCTS IMMEDIATELY BEFORE AND AFTER PASSING UNDER INTERSECTING DUCTS OR LARGE STRUCTURAL MEMBERS TO MAINTAIN DUCT TIGHT TO STRUCTURE.
17. NO OTHER TRADES, I.E., ELECTRICAL, CEILING, PLUMBING, ETC., SHALL BE SUSPENDED, HUNG, OR SUPPORTED FROM DUCTWORK OR PIPING.
18. COORDINATE LOCATION OF EQUIPMENT SUPPORTS WITH LOCATION OF EQUIPMENT ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT.
19. COORDINATE THE EXACT MOUNTING SIZE AND FRAME TYPE OF DIFFUSERS, REGISTERS AND GRILLES WITH THE SUPPLIER TO MEET THE CEILING, WALL AND DUCT INSTALLATION REQUIREMENTS.
20. SPRINKLER HEAD AND LIGHTING FIXTURE LOCATIONS TAKE PRECEDENCE OVER DIFFUSER LOCATIONS. ADJUST LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES AS REQUIRED TO ACCOMMODATE FINAL CEILING GRID AND LIGHTING LOCATIONS.
21. ALL CEILING DIFFUSERS ARE 4-WAY PATTERN UNLESS NOTED OTHERWISE.
22. LOCATE AND SET THERMOSTATS AT LOCATIONS SHOWN ON PLANS. VERIFY EXACT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. INSTALL WIRING IN CONDUIT PROVIDED BY ELECTRICAL CONTRACTOR. ANY THERMOSTAT THAT IS REQUIRED TO BE MOUNTED ON AN EXTERIOR WALL SHALL BE MOUNTED ON AN INSULATED PAD.
23. PROVIDE A MANUAL BALANCING DAMPER IN EACH BRANCH DUCT TAKEOFF FROM MAIN SUPPLY, RETURN, OUTDOOR AND EXHAUST AIR DUCTS. LOCATE DAMPERS A MINIMUM 4'-0" AWAY FROM DIFFUSERS. PROVIDE REMOTE BALANCING DAMPER (POTTORFF MODEL RD-10 OR EQUAL) OR CABLE OPERATED DAMPER (POTTORFF MODEL RCS OR EQUAL) WHERE INSTALLED IN AN INACCESSIBLE LOCATION.
24. PROVIDE A PREFABRICATED 45 DEGREE, HIGH EFFICIENCY, RECTANGULAR/ROUND BRANCH DUCT TAKEOFF FITTING WITH MANUAL BALANCING DAMPER AND LOCKING QUADRANT FOR BRANCH DUCT CONNECTIONS AND TAKE-OFFS TO INDIVIDUAL DIFFUSERS, REGISTERS AND GRILLES. TYPICAL BRANCH DUCT FITTING DETAIL IS APPLICABLE THROUGHOUT.
25. BRANCH DUCTWORK TO AIR OUTLETS SHALL BE SAME SIZE AS OUTLET NECK SIZE UNLESS NOTED OTHERWISE.
26. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS AND ARE REPRESENTATIVE OF THE INSIDE EQUIVALENT FREE AREA REQUIRED TO MAINTAIN THE AIR FLOW SPECIFIED. IF DUCT LINING IS REQUIRED, INCREASE DUCT SIZE TO MAINTAIN ORIGINAL INSIDE DIMENSIONS. IF DUCT SIZES NEED TO BE ALTERED FOR SPACE REQUIREMENTS, ENSURE THE ORIGINAL INSIDE DUCT EQUIVALENT FREE AREA IS MAINTAINED.
27. CONTRACTOR'S OPTION TO SUBSTITUTE ROUND DUCT OF EQUAL FREE AREA FOR RECTANGULAR DUCT AND VICE VERSA. DIMENSIONS OF RECTANGULAR DUCT MAY BE ADJUSTED AS NECESSARY TO INSTALL DUCT IN AVAILABLE SPACE AS LONG AS FREE AREA IS MAINTAINED.
28. RIGID DUCTWORK INSULATION: PROVIDE 3/4 LB DENSITY, 2" R-6 THICK, INSULATION WRAP ON RIGID ROUND AND RECTANGULAR, CONCEALED SUPPLY, RETURN , AND OUTSIDE AIR DUCTS.
29. PROVIDE THERMAFLEX TYPE G-KM, M-KE, FLEXMASTER TYPE 8, OR APPROVED EQUAL FLEXIBLE DUCTWORK. FLEXIBLE DUCTWORK SHALL BE LISTED UNDER UL 181 AS CLASS 1 AIR DUCT AND BE PROVIDED WITH INTEGRAL R-6, 3/4 LB DENSITY FIBERGLASS INSULATION. FLEXIBLE DUCTWORK SHALL NOT EXCEED 3'-0" IN LENGTH AND SHALL BE INSTALLED AND SUPPORTED TO AVOID SHARP BENDS AND SAGGING.
30. FOR ALL EXPOSED DUCTWORK, PROVIDE DUCT THAT IS SUITABLE FOR PAINTING. ENSURE THAT ALL EXPOSED DUCTWORK IS PROPERLY PREPARED AND READY FOR PAINTING. COORDINATE COLOR WITH ARCHITECT.
31. PROVIDE A NEW SET OF AIR FILTERS IN UNITS PRIOR TO TESTING, ADJUSTING AND BALANCING AND BEFORE TURNING SYSTEM(S) OVER TO OWNER.
32. PROVIDE A COMPLETE TEST AND BALANCE FOR HVAC SYSTEM. AIR BALANCE SHALL BE WITHIN 5% OF SCHEDULED AIRFLOWS.
33. INSTALL VTR'S AND EXHAUST FANS A MINIMUM OF 10 FT FROM OUTSIDE AIR INTAKE.
34. THE DESIGN OF ANY AND ALL STRUCTURAL SYSTEMS (INCLUDING MODIFICATIONS TO EXISTING STRUCTURES) THAT MAY BE REQUIRED FOR SUPPORT OF NEW MECHANICAL EQUIPMENT SHALL BE THE RESPONSIBILITY OF SEPARATE LICENSED STRUCTURAL ENGINEER.

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REGISTRATION

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15926
JARED C. WATSON

2026 AUGUST 28

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

MECHANICAL NOTES AND LEGENDS

M0.0

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PACKAGED DX UNIT SCHEDULE

MARK	QTY	SERVICE	BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	DESCRIPTION	MOUNT / CONFIG.	NOMINAL TONS	AIRFLOW TYPE	AIRFLOW CFM (MIN./MAX.)	AIRFLOW FAN ESP (IN. WG.)	AIRFLOW FAN MOTOR (HP)	COOLING STAGES	COOLING TC (MBH)	COOLING SC (MBH)	COOLING EFF.	COOLING PEAK EAT (°F DB/WB)	COOLING PEAK LAT (°F DB/WB)	HEATING TYPE	HEATING STAGES	HEATING GAS INPUT (MBH)	HEATING TC (MBH)	HEATING EFF.	HEATING PEAK EAT (°F DB)	HEATING PEAK LAT (°F DB)	REFRIG. TYPE	COMPRESSOR	FILTER	ELECTRICAL	WEIGHT (LB.)	NOTES
PDX-1	1	EXERCISE	AAON	RNA-015-B-A-8-FAB05	SINGLE ZONE CV, DX COOLING, GAS HEAT, MODULATING HOT GAS REHEAT, ECONOMIZER, BAROMETRIC RELIEF	ROOF CURB DOWNFLOW	15.0	SUPPLY OUTSIDE AIR RELIEF	2900 300 / 1300 ---	1.10 --- ---	5.0 --- (BAROMETRIC)	5	173.4	101.0	11.0 EER 16.66 IEER	84.9 / 70.3	50.4 / 49.6	NAT. GAS	MOD. 3:1	195	158.0	81%	45.5 / 43.2	97.7 / 64.1	R-454B	TWO-STEP SCROLL	DISPOSABLE, MERV 8	208 / 3 / 60 89 MCA 110 MOCP	2150	A-E
PDX-2	1	COMMONS	AAON	RNA-008-A-A-8-FAB02	SINGLE ZONE CV, DX COOLING, GAS HEAT, MODULATING HOT GAS REHEAT, ECONOMIZER, BAROMETRIC RELIEF	ROOF CURB DOWNFLOW	8.0	SUPPLY OUTSIDE AIR RELIEF	2400 150 / 315 ---	1.10 --- ---	2.0 --- (BAROMETRIC)	2	95.0	54.8	12.15 EER 17.64 IEER	76.6 / 66.9	54.4 / 53.4	NAT. GAS	MOD. 3:1	90	72.9	81%	64.8 / 56.3	93.8 / 66.3	R-454B	TWO-STEP SCROLL	DISPOSABLE, MERV 8	208 / 3 / 60 48 MCA 70 MOCP	1265	A-E
PDX-3	1	GYM	AAON	RNA-010-A-A-8-FAB02	SINGLE ZONE CV, DX COOLING, GAS HEAT, MODULATING HOT GAS REHEAT, ECONOMIZER, BAROMETRIC RELIEF	GROUND CURB DOWNFLOW	10.0	SUPPLY OUTSIDE AIR RELIEF	2300 200 / 615 ---	1.10 --- ---	2.0 --- (BAROMETRIC)	2	112.4	63.1	11.46 EER 15.68 IEER	79.2 / 68.3	52.4 / 51.4	NAT. GAS	MOD. 3:1	150	121.5	81%	57.4 / 51.6	107.9 / 69.3	R-454B	TWO-STEP SCROLL	DISPOSABLE, MERV 8	208 / 3 / 60 48 MCA 70 MOCP	1345	A-D, F
PDX-4	1	E-SPORTS	AAON	RQA-004-A-A-8-HBA0A	SINGLE ZONE CV, DX COOLING, GAS HEAT, ECONOMIZER, BAROMETRIC RELIEF	GROUND PAD HORIZONTAL	4.0	SUPPLY OUTSIDE AIR RELIEF	1300 150 / 320 ---	1.10 --- ---	2.0 --- (BAROMETRIC)	VAR.	48.0	34.0	11.0 EER2 16.45 SEER2	79.4 / 65.9	53.9 / 53.0	NAT. GAS	1	100	81.0	81%	59.0 / 52.6	118.5 / 72.5	R-454B	VARIABLE SPEED SCROLL	DISPOSABLE, MERV 8	208 / 3 / 60 35 MCA 50 MOCP	1035	

GENERAL NOTES (ALL UNITS AS APPLICABLE):

1. UL OR ETL APPROVED. ENTIRE UNIT SHALL BE AHRI LISTED AND CERTIFIED.
2. PROVIDE ALL MATERIALS AND/OR ACCESSORIES AS REQUIRED FOR MOUNTING (CURBS, ETC.).
3. SCHEDULED OUTSIDE AIR QUANTITIES ARE FOR OCCUPIED MODE AND DO NOT INCLUDE ECONOMIZER OR UNOCCUPIED MODES.
4. STATIC PRESSURE SHOWN IS EXTERNAL TO UNIT. MANUFACTURER SHALL ADD ACCESSORY LOSSES TO THIS VALUE BEFORE SELECTING FAN.
5. CONDENSATE TRAP SHALL BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. ROUTE TO NEAREST APPROVED RECEPTOR PER PLANS OR AS OTHERWISE REQUIRED BY THE AHJ. REFER TO TRAP DETAIL.
6. PROVIDE WITH:
   - A. DOUBLE WALL CONSTRUCTION.
   - B. HINGED ACCESS PANELS.
   - C. STAINLESS STEEL DRAIN PAN.
   - D. CONDENSATE OVERFLOW SWITCH TO SHUT DOWN SYSTEM IN THE EVENT OF PRIMARY DRAIN PAN OVERFLOW.
   - E. EC MOTORS OR FACTORY VFD AND SHAFT GROUNDING RINGS.
   - F. HAIL GUARDS FOR CONDENSER COILS.
   - G. CLOGGED FILTER SWITCH.
   - H. BAROMETRIC RELIEF.
   - I. PHASE LOSS AND BROWNOUT MONITOR.
   - J. REFRIGERANT LEAK DETECTION.
   - K. HOT GAS BYPASS TO PREVENT OVERCOOLING IN PART LOAD CONDITIONS.
   - L. 7-DAY PROGRAMMABLE THERMOSTAT AND CO2 SENSOR FOR DEMAND CONTROLLED VENTILATION.
   - M. FACTORY PROVIDED AND FACTORY WIRED NON-FUSED ELECTRICAL DISCONNECT.
   - N. FACTORY MOUNTED DDC CONTROLS.
7. PROVIDE WITH BACNET INTERFACE. CONNECT TO EXISTING CAMPUS BAS.
8. REFER TO SEQUENCE OF OPERATION.

NOTES (APPLICABLE ONLY WHERE NOTED):

- A. PROVIDE WITH RETURN AIR SMOKE DETECTOR TO SHUT DOWN UNIT UPON ACTIVATION AND NOTIFY FIRE ALARM PANEL.
- B. PROVIDE WITH MODULATING HOT GAS REHEAT FOR DEHUMIDIFICATION MODE AND SPACE HUMIDITY SENSOR.
- C. PROVIDE WITH 6-ROW EVAPORATOR COIL.
- D. PROVIDE WITH STAINLESS STEEL HEAT EXCHANGER.
- E. PROVIDE WITH FACTORY WIRED GFCI CONVENIENCE RECEPTACLE.
- F. PROVIDE WITH PLENUM CURB FOR HORIZONTAL DISCHARGE.

DX OUTDOOR UNIT SCHEDULE

MARK	QTY	BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	DESCRIPTION	NOMINAL TONS	COOLING CAPACITY (MBH)	COOLING EFF.	HEATING CAPACITY (MBH)	HEATING EFF.	REFRIGERANT TYPE	REFRIGERANT CONNECTION SUCTION	REFRIGERANT CONNECTION LIQUID	COMPRESSOR	ELECTRICAL	WEIGHT (LB.)
CU-1	1	SAMSUNG	RXX12ABD	HEAT PUMP	1.0	12	14.1 EER2 24.0 SEER2	12	10.5 HSPF2	R-32	3/8"	1/4"	INVERTER DRIVEN TWIN ROTARY	208 / 1 / 60 12 MCA, 20 MOCP	69.2

GENERAL NOTES (ALL UNITS AS APPLICABLE):

1. UL OR ETL APPROVED. ENTIRE UNIT SHALL BE AHRI LISTED AND CERTIFIED.
2. PROVIDE ALL MATERIALS AND/OR ACCESSORIES AS REQUIRED FOR MOUNTING.
3. PROVIDE AND INSTALL REFRIGERANT PIPING AND NECESSARY COMPONENTS SIZED PER MANUFACTURER'S INSTRUCTIONS. BASE SIZING ON ACTUAL PIPING INSTALLATION LENGTHS AND CONFIGURATION. EXTERIOR INSULATION ON OUTDOOR REFRIGERANT LINES SHALL BE COVERED WITH UV RESISTANT JACKETS, REFER TO SPECIFICATIONS.
4. PROVIDE WITH HAIL GUARDS FOR CONDENSER COILS.
5. ELECTRICAL DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.
6. PROVIDE WITH LOW AMBIENT COOLING DOWN TO 0°F.

DX INDOOR UNIT SCHEDULE

MARK	QTY	OUTDOOR UNIT	SERVICE	BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	DESCRIPTION	MOUNT / CONFIG.	NOMINAL TONS	CFM	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	REFRIGERANT TYPE	REFRIGERANT CONNECTION SUCTION	REFRIGERANT CONNECTION LIQUID	FILTER	ELECTRICAL	WEIGHT (LB.)
DS-1	1	CU-1	104 IT/DATA	SAMSUNG	RNX12ABD	MINI-SPLIT DUCTLESS WALL MOUNTED	WALL MOUNTED	1.0	425	12	12	R-32	3/8"	1/4"	WASHABLE	208 / 1 / 60 **FROM OUTDOOR UNIT	23.1

GENERAL NOTES (ALL UNITS AS APPLICABLE):

1. UL OR ETL APPROVED. ENTIRE UNIT SHALL BE AHRI LISTED AND CERTIFIED.
2. PROVIDE ALL MATERIALS AND/OR ACCESSORIES AS REQUIRED FOR MOUNTING.
3. PROVIDE WITH CONDENSATE OVERFLOW SWITCH TO SHUT DOWN SYSTEM IN THE EVENT OF PRIMARY DRAIN PAN OVERFLOW.
4. PROVIDE AND INSTALL REFRIGERANT PIPING AND NECESSARY COMPONENTS SIZED PER MANUFACTURER'S INSTRUCTIONS. BASE SIZING ON ACTUAL PIPING INSTALLATION LENGTHS AND CONFIGURATION. EXTERIOR INSULATION ON OUTDOOR REFRIGERANT LINES SHALL BE COVERED WITH UV RESISTANT JACKETS. REFER TO SPECIFICATIONS.
5. INDOOR UNIT POWERED FROM OUTDOOR UNIT (BY ELECTRICAL CONTRACTOR).
6. PROVIDE WITH WIRED WALL-MOUNTED THERMOSTAT.
7. PROVIDE WITH BACNET INTERFACE. CONNECT TO EXISTING CAMPUS BAS.
8. PROVIDE WITH REFRIGERANT LEAK DETECTION.

FAN SCHEDULE

MARK	QTY	SERVICE	BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	DESCRIPTION	MOUNTING	CFM	ESP (IN. WC.)	DRIVE	MOTOR SIZE (W)	BHP	WHEEL DIAM. (IN.)	FAN RPM	ELECTRICAL	WEIGHT (LB.)	NOTES
EF-1	4	GENERAL EXHAUST	GREENHECK	SP-A200	CENTRIFUGAL	CEILING	150	0.25	DIRECT	26	0.01	6-3/4	712	120 / 1 / 60 0.6 MCA, 15 MOCP	25	A
EF-2	1	GENERAL EXHAUST	GREENHECK	SP-A200	CENTRIFUGAL	CEILING	150	0.25	DIRECT	26	0.01	6-3/4	712	120 / 1 / 60 0.6 MCA, 15 MOCP	25	B

GENERAL NOTES (ALL UNITS AS APPLICABLE):

1. AMCA CERTIFIED AND UL OR ETL LISTED.
2. PROVIDE ALL MATERIALS AND/OR ACCESSORIES AS REQUIRED FOR MOUNTING (HANGING RODS, ETC.). PROVIDE APPROPRIATE VIBRATION ISOLATION FOR APPLICATION.
3. PROVIDE FLEXIBLE DUCT CONNECTIONS.
4. STATIC PRESSURE SHOWN IS EXTERNAL TO UNIT. MANUFACTURER SHALL ADD DAMPER AND ACCESSORY LOSSES TO THIS VALUE BEFORE SELECTING FAN.
5. PROVIDE WITH INTEGRAL SPEED CONTROLLER.
6. PROVIDE WITH GRAVITY BACKDRAFT DAMPER.
7. PROVIDE WITH ALUMINUM GRILLE.

NOTES (APPLICABLE ONLY WHERE NOTED):

- A. INTERLOCK FAN WITH LIGHTS, REFER TO ELECTRICAL.
- B. FAN SHALL BE INTERLOCKED TO OPERATE WHEN BUILDING IS IN OCCUPIED MODE.

SMACNA DUCT CLASSIFICATION SCHEDULE

DESCRIPTION	PRESSURE CLASS	SEAL CLASS	LEAKAGE CLASS
ALL DUCTWORK			
RECTANGULAR	1"	C	24
ROUND	2"	C	12
FLEXIBLE	1"	---	---

HEATER SCHEDULE

MARK	QTY	BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	DESCRIPTION	MOUNTING	AIRFLOW CFM	AIRFLOW MOTOR SIZE (HP)	HEATING FUEL TYPE	HEATING STAGES	HEATING ELEC. INPUT (KW)	HEATING OUTPUT (MBH)	ELECTRICAL	WEIGHT (LB.)
EUH-1	1	QMARK	MUH-03-81	UNIT HEATER	WALL MOUNTED	350	1/100	ELEC.	1	3.0	10.2	208/1/60, 14.5 A	27

GENERAL NOTES (ALL UNITS AS APPLICABLE):

1. UL OR ETL APPROVED.
2. FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD OPTIONS.
3. PROVIDE ALL MATERIALS AND/OR ACCESSORIES AS REQUIRED FOR MOUNTING (WALL BRACKETS, ETC.).
4. HIGH LIMIT SAFETY, AUTOMATIC RESET.
5. FAN DELAY RELAY.
6. PROVIDE WITH INTEGRAL THERMOSTAT.
7. ELECTRICAL DISCONNECT SWITCH PROVIDED BY ELECTRICAL CONTRACTOR.

AIR DEVICE SCHEDULE

MARK	SERVICE	BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	DESCRIPTION	MODULE SIZE	NECK SIZE	NOTES
A	SUPPLY	TITUS	TDC-AA	ALUMINUM LOUVERED FACE DIFFUSER, ROUND NECK	12" x 12"	REF. PLAN	A
B	SUPPLY	TITUS	TDC-AA	ALUMINUM LOUVERED FACE DIFFUSER, ROUND NECK	24" x 24"	REF. PLAN	A
C	SUPPLY	TITUS	DL-SV	ALUMINUM DRUM LOUVER, SPLIT VANE	---	REF. PLAN	A
D	SUPPLY	TITUS	300FL	ALUMINUM DOUBLE DEFLECTION GRILLE, 3/4" BLADE SPACING, BLADES PARALLEL TO LONG DIMENSION	---	REF. PLAN	A
E	SUPPLY	TITUS	FL-10-JT	ALUMINUM ARCHITECTURAL LINEAR SUPPLY DIFFUSER, JET THROW PATTERN CONTROLLER, 1" SLOT, 1-SLOT, WITH FACTORY PLENUM	REF. PLAN FOR LENGTH	REF. PLAN	B
1	RETURN / TRANSFER	TITUS	50F	ALUMINUM EGGCRATE GRILLE	24" x 24"	REF. PLAN	
2	RETURN / TRANSFER	TITUS	50F	ALUMINUM EGGCRATE GRILLE, ROUND NECK	24" x 24"	REF. PLAN	
3	RETURN / TRANSFER	TITUS	350FL	ALUMINUM GRILLE, 3/4" BLADE SPACING, 35 DEGREE DEFLECTION, BLADES PARALLEL TO LONG DIMENSION	---	REF. PLAN	

GENERAL NOTES (ALL DEVICES AS APPLICABLE):

1. ALL SUPPLY DIFFUSERS ARE 4-WAY/ALL-WAY THROW UNLESS NOTED OTHERWISE.
2. DIFFUSER NECK SHALL BE SAME AS BRANCH DUCT SIZE UNLESS SHOWN OTHERWISE. REFER TO PLANS.
3. PROVIDE WITH BORDER/FRAME COMPATIBLE WITH MOUNTING SURFACE TYPE. REFER TO ARCHITECTURAL DRAWINGS.
4. FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD OPTIONS OR READY FOR PAINT.
5. PROVIDE WITH DAMPER AT TAKEOFF TO EACH DEVICE AND WHERE OTHERWISE SHOWN ON PLANS.
6. PROVIDE NECK FOR DUCT CONNECTION AS REQUIRED. PROVIDE MANUFACTURER'S SQUARE TO ROUND ADAPTOR (SRG) WHERE APPLICABLE.
7. DIFFUSERS SHALL BE FULL FACE.
8. INSULATE BACK PANEL OF ALL SUPPLY DIFFUSERS. INSULATION TYPE SHALL MATCH INSULATION USED ON SUPPLY DUCTWORK.
9. MAX NOISE CRITERIA 25, UNLESS NOTED OTHERWISE.

NOTES (APPLICABLE ONLY WHERE NOTED):

- A. PROVIDE WITH OPPOSED BLADE DAMPER IN NECK, ADJUSTABLE FROM FACE.
- B. PROVIDE MANUFACTURER'S INSULATED PLENUM. FIELD FABRICATE INSULATED PLENUMS WHERE REQUIRED.

GRAVITY VENTILATOR SCHEDULE

MARK	QTY	SERVICE	BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	DESCRIPTION	SIZE	MAX. FLOW (CFM)	MAX. PD (IN. WC.)	THROAT (SF)	VELOCITY (FPM)	WEIGHT (LB.)
GV-1	2	EXHAUST	GREENHECK	GRSR	SPUN ALUMINUM GRAVITY VENTILATOR	10	450	0.08	1	789	25

GENERAL NOTES (ALL DEVICES AS APPLICABLE):

1. PROVIDE WITH ROOF CURB.
2. PROVIDE WITH BIRD SCREEN.
3. PROVIDE WITH GRAVITY BACKDRAFT DAMPER.

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STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15926
JARED C. WATSON
2026 AUGUST 28

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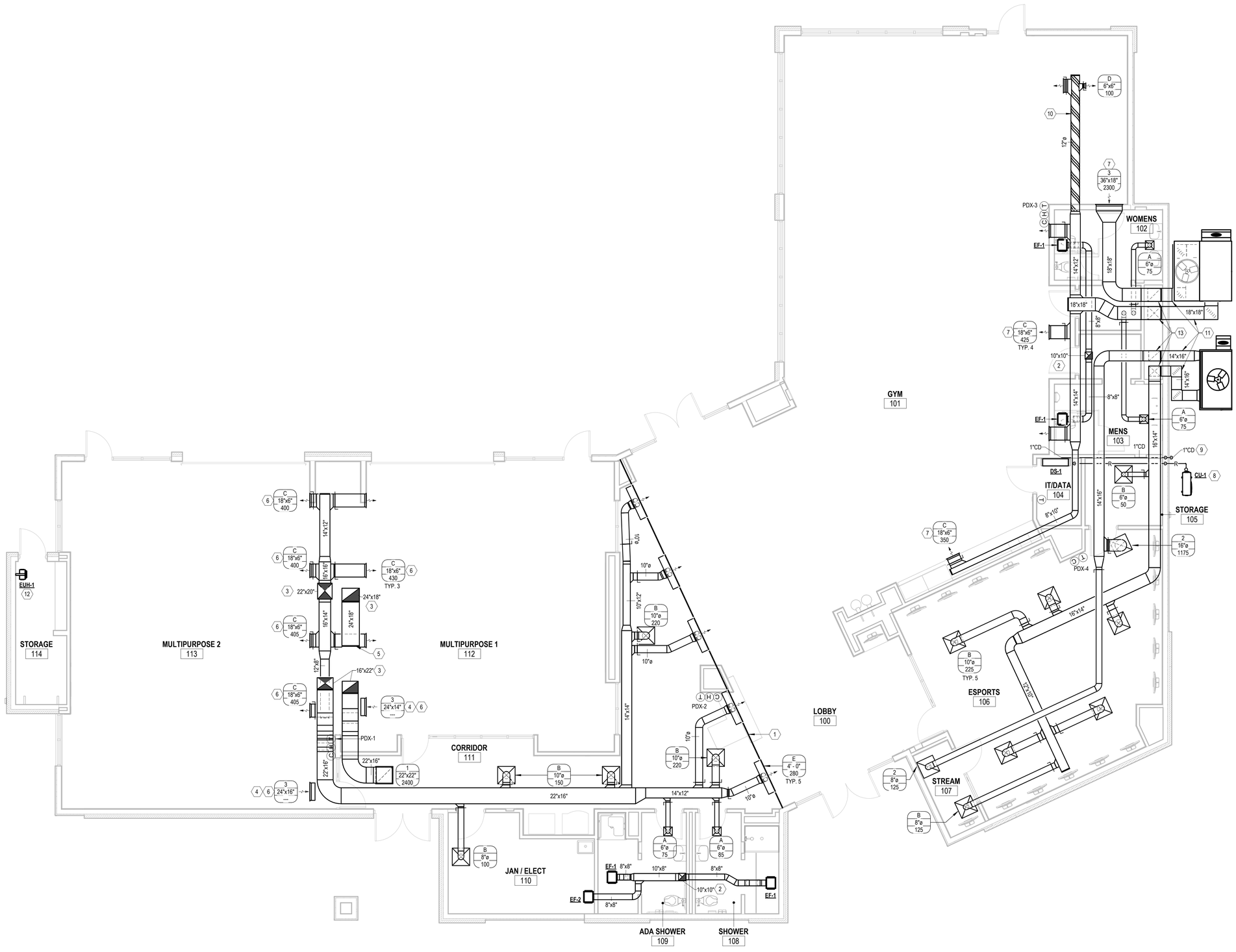
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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS

PROJECT
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION
revisions
No. | Description | Date

project # AR26-0001
date 2026 AUGUST 28
director review

MECHANICAL SCHEDULES
M1.0



1 MECHANICAL PLAN
3/16" = 1'-0"

KEYNOTES:

1 PROVIDE CONTINUOUS LINEAR DIFFUSER FACE SPANNING ENTIRE LENGTH OF WALL WITH PLENUMS AS SHOWN AND BLANK-OFFS BETWEEN ACTIVE SECTIONS. INSTALL AIR DEVICE CENTER AT 12'-3" AFF.

2 ROUTE EXHAUST DUCT UP THRU ROOF TO GRAVITY VENTILATOR.

3 ROUTE DUCT UP THRU ROOF TO RTU. TRANSITION AS REQUIRED WITHIN ROOF CURB.

4 TRANSFER GRILLE OPEN TO CEILING SOFFIT PLENUM.

5 RETURN AIR DUCT OPEN TO CEILING SOFFIT PLENUM. DUCT SHALL BE DOUBLE-WALL WITH PERFORATED INNER WALL AND INTERSTITIAL INSULATION. PROVIDE +/- 5 FEET OF CONTINUOUS DUCTWORK TO AID IN SOUND ATTENUATION.

6 INSTALL AIR DEVICE CENTER AT 11'-6" AFF.

7 INSTALL AIR DEVICE CENTER AT 13'-0" AFF.

8 MOUNT UNIT ON CONCRETE PAD (BY GC). MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES. SPILL FULL-SIZE CONDENSATE TO GRADE WITH AIR GAP.

9 ROUTE CONDENSATE DRAIN THRU EXTERIOR WALL AT ~1'-0" AFG AND SPILL TO GRADE WITH AIR GAP.

10 WHERE EXPOSED, PROVIDE DOUBLE-WALL SPIRAL SUPPLY DUCTWORK SUITABLE FOR PAINTING WITH PERFORATED INNER WALL AND INTERSTITIAL INSULATION.

11 EXTERIOR DUCTWORK SHALL BE DOUBLE-WALL WITH SOLID INNER WALL AND INTERSTITIAL INSULATION, REFER TO DETAIL.

12 INSTALL AS HIGH AS POSSIBLE.

13 DUCTWORK AND ELBOWS LOCATED IN CHASE SHALL BE DOUBLE-WALL WITH PERFORATED LINER AND INTERSTITIAL INSULATION FOR SOUND ATTENUATION. TRANSITION FROM SOLID INNER WALL EXTERIOR DUCTWORK AT ELBOW INSIDE THE BUILDING.

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

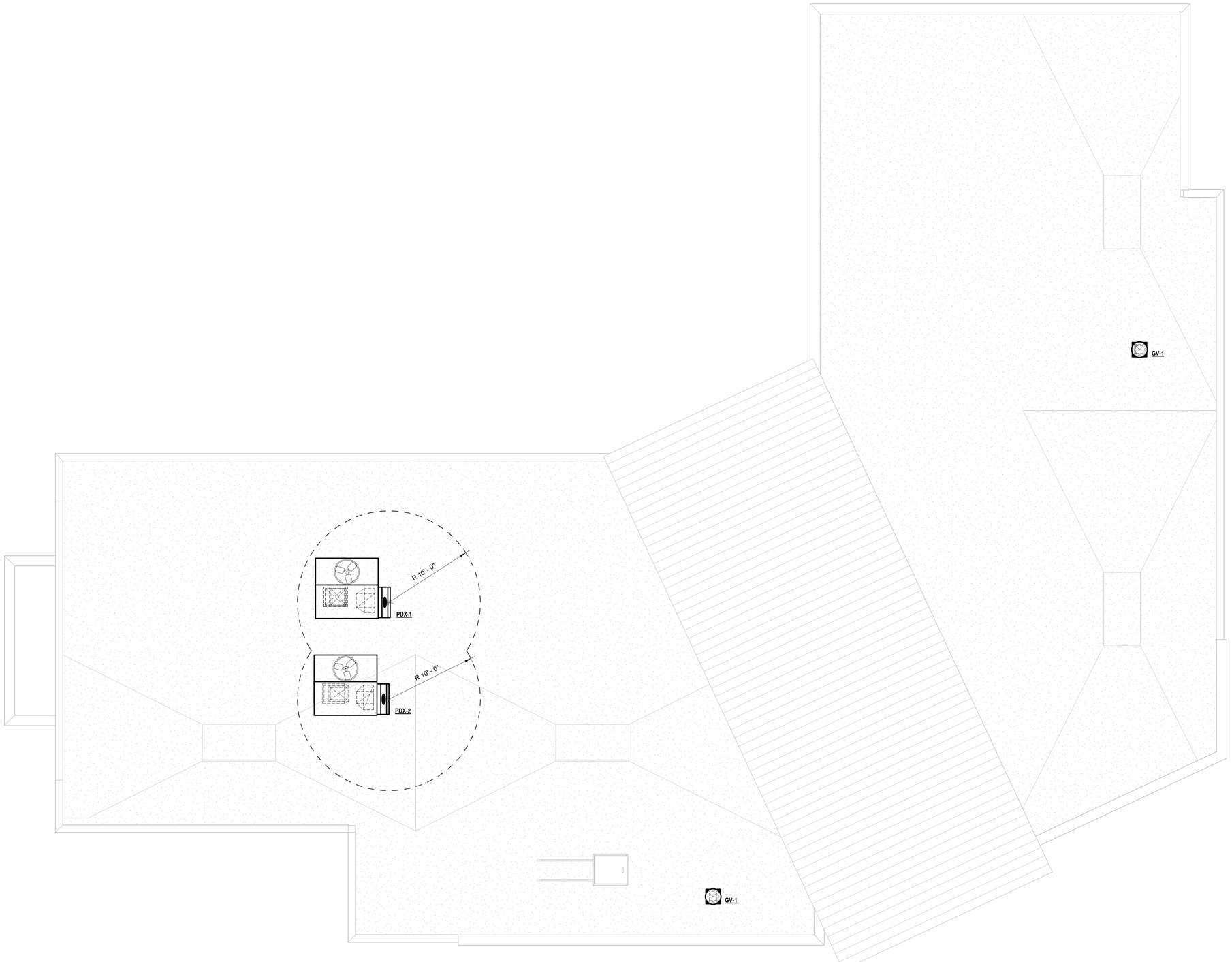
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MECHANICAL PLAN

M2.0

2026 AUGUST 28



1 MECHANICAL ROOF PLAN
3/16" = 1'-0"

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GENERAL NOTES:

1. MAINTAIN MINIMUM 10'-0" BETWEEN FRESH AIR INTAKES AND SOURCES OF EXHAUST.
2. LOCATE RTU'S MINIMUM 10'-0" FROM ROOF EDGES.
3. ROUTE FULL-SIZE CONDENSATE DRAIN LINE FROM UNITS AND END OVER NEAREST ROOF DRAIN WITH AIR GAP.

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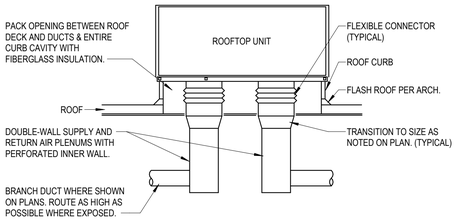
MECHANICAL ROOF PLAN

M3.0

2026 AUGUST 28

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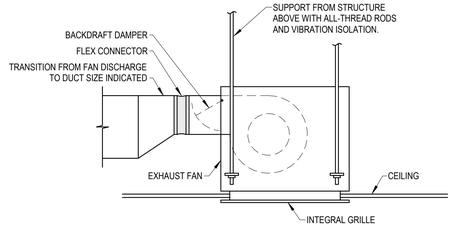
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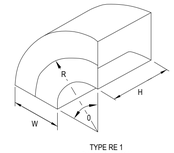
NOTES:

1. PROVIDE OPENING THROUGH ROOF AND ROOF DECK INSULATION NO LARGER THAN REQUIRED TO ALLOW DUCTS TO PASS THROUGH. REFER TO PLANS FOR DUCT SIZES. TRANSITION AS REQUIRED TO RTU SUPPLY.
2. PROVIDE SLOPED ROOF CURB TO INSTALL ROOFTOP UNIT LEVEL TO ENSURE PROPER DRAINAGE. COORDINATE ROOF SLOPE WITH ARCHITECTURAL. FLASH AND COUNTER FLASH TO ENSURE WEATHER TIGHT INSTALLATION. REFER TO ARCHITECTURAL SPECIFICATIONS.
3. REFER TO PLUMBING FOR GAS CONNECTIONS AND PIPING.

12 ROOFTOP UNIT DETAIL
SCALE: NTS



10 CEILING MOUNTED CABINET EXHAUST FAN
SCALE: NTS



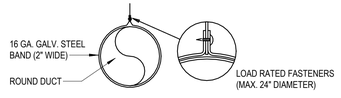
TYPE RE 1
RADIUS ELBOW

CENTERLINE R = 3W/2 UNLESS OTHERWISE SPECIFIED - NOT RESTRICTED TO 90° ELBOWS.

WHERE AIR VELOCITY IS BELOW 1,000 FPM, R = W/2 MAY BE USED.

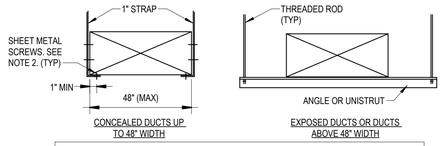
SQUARE THROAT ELBOWS MAY NOT BE USED.

9 SMACNA RADIUS ELBOW TYPE RE1 DETAIL
SCALE: NTS



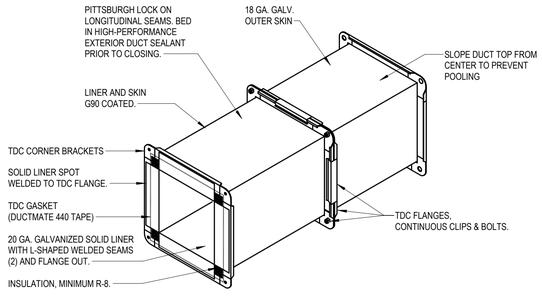
NOTE:
1. FOR DUCTS LARGER THAN 36" DIAMETER, USE TWO HANGER RODS, WIRES OR STRAPS TO SUPPORT DUCT FROM EACH SIDE.

8 ROUND DUCT SUPPORT
SCALE: NTS

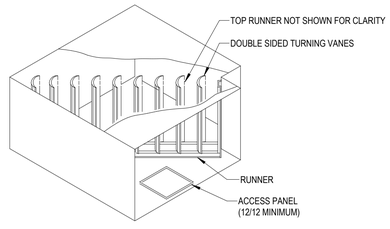


NOTES:
1. USE THREADED ROD FOR ALL DUCTS LARGER THAN 48" DIAMETER WIDE.
2. SHEET METAL SCREWS MAY BE OMITTED IF HANGER STRAP IS CONTINUOUS AND LOOPS UNDER ENTIRE DUCT.

7 RECTANGULAR DUCT SUPPORT
SCALE: NTS



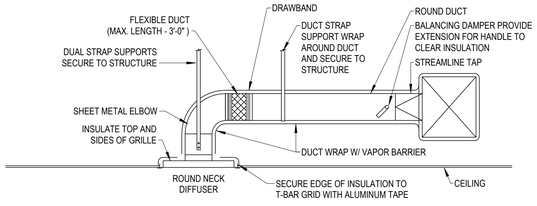
6 DOUBLE-WALL EXTERIOR DUCT
NTS



NOTES:
1. TURNING VANES, TYPICAL WHERE SHORT RADIUS ELLS ARE NOT INDICATED.
2. NUMBER AND CONFIGURATION OF VANES PER SMACNA STANDARDS

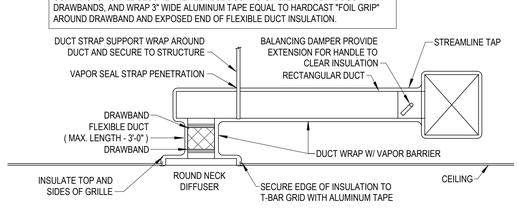
5 TURNING VANE DETAIL
SCALE: NTS

NOTE:
FLEXIBLE DUCT CONNECTIONS SHALL BE INSTALLED TO ADC STANDARDS AND SEALED TO UL STANDARDS PER AMC 603 AND 604.2.1. AS A MINIMUM, THE CONTRACTOR SHALL SECURE THE FLEXIBLE DUCT TO ENDS OF METAL DUCT WITH DRAWBANDS, AND WRAP 3" WIDE ALUMINUM TAPE EQUAL TO HARDCAST "FOIL GRIP" AROUND DRAWBAND AND EXPOSED END OF FLEXIBLE DUCT INSULATION.

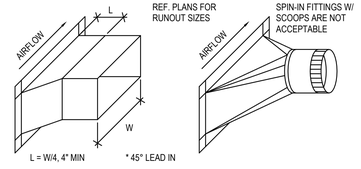


4 ROUND DUCT DIFFUSER CONNECTION
SCALE: NTS

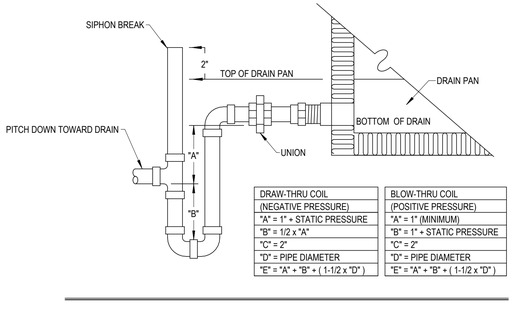
NOTE:
FLEXIBLE DUCT CONNECTIONS SHALL BE INSTALLED TO ADC STANDARDS AND SEALED TO UL STANDARDS PER AMC 603 AND 604.2.1. AS A MINIMUM, THE CONTRACTOR SHALL SECURE THE FLEXIBLE DUCT TO GRILLE AND METAL DUCT WITH DRAWBANDS, AND WRAP 3" WIDE ALUMINUM TAPE EQUAL TO HARDCAST "FOIL GRIP" AROUND DRAWBAND AND EXPOSED END OF FLEXIBLE DUCT INSULATION.



3 RECTANGULAR DUCT GRILLE CONNECTION
SCALE: NTS



2 BRANCH DUCT FITTING
SCALE: NTS



DRAW-THRU COIL	BLOW-THRU COIL
(NEGATIVE PRESSURE)	(POSITIVE PRESSURE)
"A" = 1" + STATIC PRESSURE	"A" = 1" (MINIMUM)
"B" = 1/2 x "A"	"B" = 1" + STATIC PRESSURE
"C" = 2"	"C" = 2"
"D" = PIPE DIAMETER	"D" = PIPE DIAMETER
"E" = "A" + "B" + (1-1/2 x "D")	"E" = "A" + "B" + (1-1/2 x "D")

1 CONDENSATE TRAP DETAIL
SCALE: NTS

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(TBD) ALUMNI LANE
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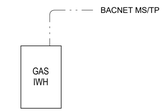
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director review

MECHANICAL DETAILS

M4.0

2026 AUGUST 28

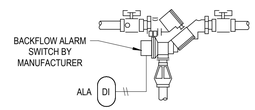


GENERAL NOTES:

1. POWER WIRING (PWR) BY THE ELECTRICAL CONTRACTOR.
2. LOW VOLTAGE WIRING BY CONTROLS CONTRACTOR.
3. GAS INSTANTANEOUS WATER HEATER SHALL BE CONNECTED TO THE EXISTING BAS FOR MONITORING AND ALARMING.
4. EQUIPMENT SUPPLIER SHALL PROVIDE THE CONTROLS CONTRACTOR BACnet VARIABLE POINT LIST SHOWING ALL POINTS AVAILABLE FOR MONITORING AND ALARMING.

4 GAS INSTANTANEOUS WATER HEATER CONTROL DIAGRAM

SCALE: NTS



DOMESTIC WATER BACKFLOW PREVENTERS:
THE BACKFLOW PREVENTER IS PROVIDED WITH A SET OF ALARM CONTACTS FOR THE DDC PANEL DIGITAL INPUT TO MONITOR EXCESS FLOW ALARM.

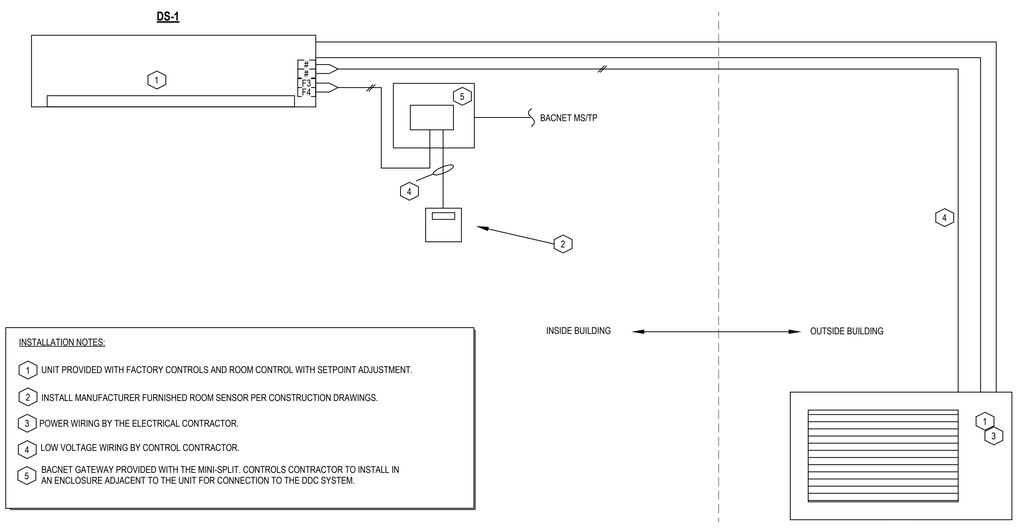
ALARM MONITORING:
AN ALARM SHALL BE GENERATED AT THE BAS IF ANY OF THE FOLLOWING OCCUR:
1. EXCESS RELIEF WATER FLOW.

GENERAL NOTES:

1. ALARM SWITCH FURNISHED AND INSTALLED BY BACKFLOW PREVENTER MANUFACTURER. WIRED BY THE ATC CONTRACTOR.

3 DOMESTIC WATER BACKFLOW PREVENTER CONTROL DIAGRAM

SCALE: NTS



INSTALLATION NOTES:

1. UNIT PROVIDED WITH FACTORY CONTROLS AND ROOM CONTROL WITH SETPOINT ADJUSTMENT.
2. INSTALL MANUFACTURER FURNISHED ROOM SENSOR PER CONSTRUCTION DRAWINGS.
3. POWER WIRING BY THE ELECTRICAL CONTRACTOR.
4. LOW VOLTAGE WIRING BY CONTROL CONTRACTOR.
5. BACNET GATEWAY PROVIDED WITH THE MINI-SPLIT. CONTROLS CONTRACTOR TO INSTALL IN AN ENCLOSURE ADJACENT TO THE UNIT FOR CONNECTION TO THE DDC SYSTEM.

2 DUCTLESS SPLIT SYSTEM CONTROL DIAGRAM

NTS

CONTROLS CONTRACTOR SHALL BE POWERS OF ARKANSAS. CONTACT RON MCCARTY FOR ADDITIONAL INFORMATION:

RON MCCARTY, PRESIDENT - POWERS NATIONAL DIVISION
501-350-5728
ron.mccarty@powers-hvac.com

PACKAGED DX UNIT SEQUENCE OF OPERATION:

GENERAL NOTES
PROVIDE ALL NECESSARY COMPONENTS AND MATERIALS TO ACCOMPLISH THE SEQUENCE OF OPERATION WHETHER OR NOT EXPLICITLY STATED, SCHEDULED, OR NOTED OTHERWISE.

CONTROL METHOD
THE UNIT SHALL OPERATE AS A CONSTANT AIR VOLUME (CAV) AIR HANDLING SYSTEM PROVIDING VENTILATION, COOLING, DEHUMIDIFICATION (WHERE SCHEDULED), AND HEATING FOR THE SERVED SPACE. UNIT SHALL BE PLACED IN OCCUPIED/UNOCCUPIED MODE BY COMMAND FROM BAS, INTERNAL SCHEDULE, OR OCCUPANT OVERRIDE FROM THE LOCAL THERMOSTAT. THERMOSTAT SHALL PROVIDE AUTOMATIC CHANGEOVER BETWEEN HEATING AND COOLING WITH 5°F DEADBAND AND BE CAPABLE OF BEING TEMPORARILY PLACED IN OCCUPIED MODE OUTSIDE OF PROGRAMMED TIMES.

OCCUPIED MODE:
DURING OCCUPIED PERIODS, THE SUPPLY FAN SHALL RUN CONTINUOUSLY AND THE OUTSIDE AIR DAMPER SHALL OPEN TO MAINTAIN MINIMUM VENTILATION REQUIREMENTS (REFER TO UNIT SCHEDULE). HEATING AND COOLING SHALL BE ENABLED UPON PROOF OF AIRFLOW.

VENTILATION CONTROL
THE ECONOMIZER SHALL PROVIDE MINIMUM OUTDOOR VENTILATION AIR AND SHALL MODULATE BASED ON CO2 DEMAND WHEN CONFIGURED. COOLING OPERATION WHEN SPACE TEMPERATURE RISES ABOVE COOLING SETPOINT, THE ECONOMIZER SHALL BE UTILIZED FIRST WHEN OUTDOOR CONDITIONS ARE SUITABLE. IF ADDITIONAL COOLING IS REQUIRED, COMPRESSOR STAGE 1 SHALL OPERATE, FOLLOWED BY STAGE 2 AS DEMAND INCREASES. CONDENSER FAN OPERATION SHALL MODULATE TO MAINTAIN REFRIGERANT HEAD PRESSURE.

DEHUMIDIFICATION AND REHEAT (WHERE SCHEDULED)
WHEN HUMIDITY EXCEEDS SETPOINT, THE UNIT SHALL CONTINUE COOLING WHILE MODULATING THE HOT GAS REHEAT VALVE TO MAINTAIN DISCHARGE AIR TEMPERATURE AND CONTROL SPACE HUMIDITY.

HOT GAS BYPASS
HOT GAS BYPASS SHALL CONTROL THE EVAPORATOR TO MAINTAIN A MINIMUM OF 48°F DB; THIS SHALL WORK SIMULTANEOUSLY WITH MODULATING HOT GAS REHEAT. HOT GAS BYPASS SHALL BE DISABLED UNLESS THE SYSTEM IS OPERATING IN THE LOWEST STAGE OF COOLING. THE CAPACITY OF THE HOT GAS BYPASS SHALL BE LIMITED TO 50% OF THE TOTAL CAPACITY OF THE UNIT.

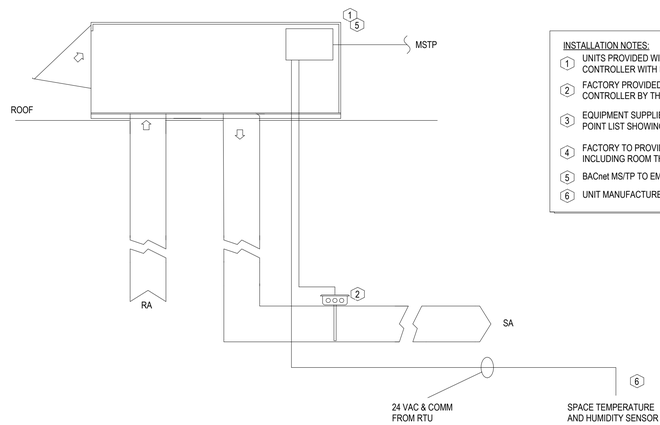
HEATING OPERATION
WHEN SPACE TEMPERATURE FALLS BELOW THE HEATING SETPOINT, THE MODULATING NATURAL GAS HEAT SECTION SHALL OPERATE TO MAINTAIN THE DESIRED SPACE TEMPERATURE. HEATING OUTPUT SHALL MODULATE ACCORDING TO LOAD.

SAFETY AND ALARMS
THE UNIT SHALL MONITOR AIRFLOW, DIRTY FILTERS, REFRIGERANT LEAK DETECTION, FREEZE PROTECTION, CONDENSATE OVERFLOW, PHASE LOSS, BROWNOUT CONDITIONS, AND OTHER SAFETY DEVICES. FAULT CONDITIONS SHALL GENERATE ALARMS AND DISABLE AFFECTED EQUIPMENT AS REQUIRED.

UNOCCUPIED MODE
THE OUTDOOR AIR DAMPER SHALL REMAIN CLOSED DURING UNOCCUPIED MODE.

WHEN THE SPACE TEMPERATURE IS ABOVE THE UNOCCUPIED COOLING SETPOINT OF 80.0 DEG. F (ADJ.) THE SUPPLY FAN SHALL START, THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED AND THE DX COOLING SHALL BE ENABLED. WHEN THE SPACE TEMPERATURE FALLS BELOW THE UNOCCUPIED COOLING SETPOINT OF 80.0 DEG. F MINUS THE UNOCCUPIED DIFFERENTIAL OF 4.0 DEG. F (ADJ.) THE SUPPLY FAN SHALL STOP AND THE DX COOLING SHALL BE DISABLED.

WHEN THE SPACE TEMPERATURE IS BELOW THE UNOCCUPIED HEATING SETPOINT OF 60.0 DEG. F (ADJ.) THE SUPPLY FAN SHALL START, THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED AND HEATING SHALL BE ENABLED. WHEN THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED HEATING SETPOINT OF 60.0 DEG. F PLUS THE UNOCCUPIED DIFFERENTIAL OF 4.0 DEG. F (ADJ.) THE SUPPLY FAN SHALL STOP AND THE GAS FURNACE SHALL BE DISABLED.



INSTALLATION NOTES:

1. UNITS PROVIDED WITH FACTORY INSTALLED FULLY PROGRAMMED INDEPENDENT CONTROLLER WITH BACnet MS/TP INTERFACE.
2. FACTORY PROVIDED DEVICES TO BE INSTALLED AND WIRED BACK TO UNIT BACnet CONTROLLER BY THE CONTROLS CONTRACTOR.
3. EQUIPMENT SUPPLIER SHALL PROVIDE THE CONTROLS CONTRACTOR BACnet VARIABLE POINT LIST SHOWING ALL POINTS AVAILABLE FOR CONTROL AND MONITORING.
4. FACTORY TO PROVIDE ALL REQUIRED CONTROLS FOR A FULLY FUNCTIONAL UNIT, INCLUDING ROOM THERMOSTAT, STATIC PRESSURE SENSORS, ETC.
5. BACnet MS/TP TO EMS NETWORK BY CONTROL CONTRACTOR.
6. UNIT MANUFACTURER FURNISHED ROOM SENSOR. INSTALLED BY CONTROLS CONTRACTOR.

1 PACKAGED DX UNIT CONTROL DIAGRAM

NTS

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2026 AUGUST 28

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Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001
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director review

MECHANICAL CONTROLS

M5.0

2026 AUGUST 28

ABBREVIATIONS

(AS APPLICABLE)

(E)	EXISTING
3CS	THREE-COMPARTMENT SINK
A	AMP, AMPERE
A/E	ARCHITECT / ENGINEER
AAV	AIR ADMITTANCE VALVE
ABV	ABOVE
AC	AIR CONDITIONER, AIR CONDITIONING
AD	ACCESS DOOR
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFMD	AIR FLOW MEASURING DEVICE
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
ANSI	AMERICAN NAT'L STANDARDS INSTITUTE
AL	ALUMINUM
AP	ACCESS PANEL
ARCH	ARCHITECT, ARCHITECTURAL
ARI	AIR CONDITIONING & REFRIG INSTITUTE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, & AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING & MATERIALS
ATC	AUTOMATIC TEMP CONTROLS
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
AWS	AMERICAN WELDING SOCIETY
AWWA	AMERICAN WATER WORKS ASSOCIATION
BAS	BUILDING AUTOMATION SYSTEM
BDD	BACKDRAFT DAMPER
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BT	BATHTUB
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
BV	BALANCING VALVE
BWV	BACKWATER VALVE
C	COMMON
CA	COMBUSTION AIR
CD	CEILING SUPPLY AIR DIFFUSER
CD	CONDENSATE DRAIN
CF	CEILING FAN
CF	CUBIC FEET
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CKT	CIRCUIT
CLG	CEILING
CO	CARBON MONOXIDE
CO	CLEANOUT
CO2	CARBON DIOXIDE
CONFIG	CONFIGURATION
COP	COEFFICIENT OF PERFORMANCE
CU	CONDENSING UNIT
CU	COPPER
CV	CIRCUIT VENT
CV	CONSTANT VOLUME
CWV	COMBINATION WASTE & VENT
DB	DRY-BULB TEMPERATURE
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREES
DF	DRINKING FOUNTAIN
DH	DUCT HEATER
DI	DEIONIZED WATER
DIA, ø	DIAMETER
DISC	DISCONNECT
DN	DOWN
DN	DOWNSPOUT NOZZLE
DOM	DOMESTIC
DP	DEW POINT
DPS	DIFFERENTIAL PRESSURE SENSOR
DWG	DRAWING
DX	DIRECT EXPANSION
EA	EACH
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
EG	EXHAUST GRILLE
ELEC	ELECTRICAL
EM	EMERGENCY LIGHTING
ENT	ENTERING
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EW	EYE WASH
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
F	FAHRENHEIT
FACP	FIRE ALARM CONTROL PANEL
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FD	FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISHED FLOOR ELEVATION
FLA	FULL LOAD AMPS
FM	FLOW METER
FP	FIRE PROTECTION
FPC	FIRE PROTECTION CONTRACTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FPWH	FREEZE PROOF WALL HYDRANT
FS	FLOOR SINK
FS	FLOW SWITCH
FT	FEET
GA	GAUGE
GAL	GALLONS
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GFCI/GFI	GROUND FAULT CIRCUIT INTERRUPTER
GI	GREASE INTERCEPTOR
GPD	GALLONS PER DAY
GPM	GALLONS PER MINUTE
GR	GRAINS
GR	GROUND
HB	HOSE BIBB
HD	HEAD
HD	HUB DRAIN
HOA	HAND / OFF / AUTOMATIC
HP	HEAT PUMP
HP	HORSEPOWER
HS	HAND SINK
HS	HAND SWITCH
HZ	HERTZ
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
I/O	INPUT / OUTPUT
IE	INVERT ELEVATION
IG	ISOLATED GROUND
IN	INCHES
IN WC	INCHES OF WATER COLUMN
IND	INDIRECT
IPLV	INTEGRATED PART LOAD VALUE
KV	KILOVOLT
KW	KILOWATT

LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LB, #	POUNDS
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
LWT	LEAVING WATER TEMPERATURE
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MBH	1000 BTUH
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM BRANCH CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MFR	MANUFACTURER
MHB	MIXING HOSE BIBB
MIN	MINIMUM
MLO	MAIN LUG ONLY
MM	MILLIMETER
MOCP	MAXIMUM OVERCURRENT PROTECTION
MS	MOP SINK
MUA	MAKE-UP AIR
MZ	MULTI-ZONE
N/A	NOT APPLICABLE
N.C.	NORMALLY CLOSED
NC	NOISE CRITERIA
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MFR'S ASSOCIATION
NFC	NOT FOR CONSTRUCTION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
N.O.	NORMALLY OPEN
NOM	NOMINAL
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OI	OIL INTERCEPTOR
OS&Y	OUTSIDE STEM AND YOKE
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMIN.
PB	PUSH BUTTON
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	PHASE
PLBG	PLUMBING
PNLBD	PANELBOARD
PPM	PARTS PER MILLION
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH - ABSOLUTE
PSIG	POUNDS PER SQUARE INCH - GAUGE
QTY	QUANTITY
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
RAW	RETURN AIR WALL GRILLE
RC	REFRIGERATION CONTRACTOR
RCPTS	RECEPTACLES
RD	RADIATION DAMPER
RD	ROOF DRAIN
REBAL	REBALANCE
RECIRC	RECIRCULATE
REF	REFERENCE
REL	RELOCATED
REQ	REQUIRED
REV	REVISION, REVISE
RG	RETURN GRILLE
RH	RADIANT HEATER
RH	RELATIVE HUMIDITY
RLA	RUNNING LOAD AMPS
RO	REVERSE OSMOSIS
ROD	ROOF OVERFLOW DRAIN
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SAW	SUPPLY AIR WALL REGISTER
SC	SECURITY CAMERA
SC	SENSIBLE CAPACITY
SD	SMOKE DETECTOR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF	SQUARE FEET
SF	SUPPLY FAN
SH	SHOWER
SK	SINK
SM	SHEET METAL
SMACNA	SHEET METAL & A/C CONT NAT'L ASSOC.
SOV	SHUT-OFF VALVE
SP	STATIC PRESSURE
SPEC	SPECIFICATION
STD	STANDARD
SZ	SINGLE-ZONE
TAB	TESTING, ADJUSTING, BALANCE
TC	TOTAL CAPACITY
TD	TEMPERATURE DIFFERENCE
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TFD	TO FLOOR DRAIN
TG	TRANSFER GRILLE
THRU	THROUGH
TMV	THERMOSTATIC MIXING VALVE
TP	TOTAL PRESSURE
TP	TRAP PRIMER
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TYP	TYPICAL
U/F	UNDER FLOOR
U/G	UNDER GROUND
U/S	UNDER SLAB
UC	UNDERCUT DOOR
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES, INC.
UR	URINAL
UNO	UNLESS NOTED OTHERWISE
V	VENT
V	VOLT
VA	VOLT-AMPERE
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VBF	VENT BELOW FLOOR
VBG	VENT BELOW GRADE
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW
VTR	VENT THRU ROOF
W	WATTS
w/	WITH
w/o	WITHOUT
WB	WASHER BOX
WB	WET-BULB TEMPERATURE
WC	WATER CLOSET
WC	WATER COLUMN
WG	WATER GAUGE
WH	WATER HEATER
WV	WET VENT

PLUMBING SYMBOLS

(AS APPLICABLE)

SYMBOL	DESCRIPTION
— - — - —	DOMESTIC COLD WATER (CW)
— - - — - - —	DOMESTIC HOT WATER (HW)
— - - - —	DOMESTIC HOT WATER RETURN (HWR)
—SW—	SOFT WATER (SW)
—PWS—	PURE WATER SUPPLY (PWS)
- - -PWR - - -	PURE WATER RETURN (PWR)
—G—	NATURAL GAS (G) - LOW PRESSURE
—G#—	NATURAL GAS (G) - # PSI
—LP—	LIQUID PROPANE (LP) - LOW PRESSURE
—LP#—	LIQUID PROPANE (LP) - # PSI
—A—	COMPRESSED AIR (A)
—SS—	SANITARY SEWER (SS)
—OW—	OIL WASTE (OW)
—GW—	GREASE WASTE (GW)
—ST—	STORM DRAIN (ST)
—CD—	CONDENSATE (CD)
— —V— —	VENT (V)
	PIPE: RISE / FALL / TEE DOWN
	SHUT-OFF VALVE (SOV)
	BALANCING VALVE (BV)
	PRESSURE REDUCING VALVE (PRV)
	STRAINER w/ DRAIN VALVE
	CHECK VALVE
	REDUCED PRESSURE ZONE (RPZ)
	PRESSURE GAUGE W/ INSERTION WELL
	THERMOMETER W/ INSERTION WELL
	VACUUM RELIEF VALVE
	FLOOR CLEANOUT (FCO)
	FLOOR DRAIN (FD), ROUND / RECTANGULAR
	FLOOR SINK (FS), FULL / HALF GRATE
	GAS PRESSURE REGULATOR
	AUTOMATIC GAS VALVE
	STORM DRAIN DOWNSPOUT NOZZLE (DN)
	FREEZE PROOF WALL HYDRANT (FPWH)
	HOSE BIBB (HB)
	CLEANOUT - INLINE / WALL (CO / WCO)
	FLANGE
	UNION
	FLEXIBLE PIPE CONNECTOR
	CAPPED PIPE

ANNOTATION SYMBOLS

(AS APPLICABLE)

SYMBOL	DESCRIPTION
	PLAN NOTE (PER SHEET)
XXXX	KITCHEN EQUIPMENT REFERENCE NUMBER
	POINT OF CONNECTION TO EXISTING
	TERMINATION OF DEMOLITION
~	CONTINUATION
1 / M1	DETAIL NUMBER SHEET NUMBER
1 / M1	SECTION CUT DESIGNATION

APPLICABLE CODES

2021 ARKANSAS FIRE PREVENTION CODE, VOLUME I - FIRE
2021 ARKANSAS FIRE PREVENTION CODE, VOLUME II - BUILDING
2021 ARKANSAS MECHANICAL CODE (AMC)
2020 NFPA 70 - NATIONAL ELECTRICAL CODE (NEC)
2018 ARKANSAS PLUMBING CODE (APC)
2018 ARKANSAS FUEL GAS CODE (AFGC)
2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

ADA NOTES

THIS APPLIES TO HANDICAPPED ACCESSIBLE FIXTURES ONLY. REFER TO ARCHITECTURAL PLANS FOR PLUMBING FIXTURE ELEVATIONS.

WATER CLOSETS: THE HEIGHT OF WATER CLOSETS SHALL BE 17" TO 19" MEASURED TO THE TOP OF THE TOILET SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION. THE WATER CLOSET SHALL BE LOCATED 18" FROM THE SIDE WALL TO THE CENTER LINE OF THE BOWL. HAND OPERATED FLUSH CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS NO MORE THAN 29" ABOVE THE FINISH FLOOR. SEE ARCHITECTURAL DRAWINGS FOR GRAB BAR LOCATIONS.

URINALS: THE URINALS SHALL BE WALL HUNG WITH AN ELONGATED RIM AT A MAXIMUM OF 17" ABOVE THE FINISH FLOOR. HAND OPERATED FLUSH CONTROLS SHALL BE MOUNTED NO MORE THAN 44" ABOVE FINISH FLOOR.

LAVATORIES: LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER 34" ABOVE THE FINISH FLOOR. PROVIDE A CLEARANCE OF AT LEAST 29" ABOVE THE FINISH FLOOR TO THE BOTTOM OF THE APRON. KNEE SPACE SHALL BE 8" FROM BOTTOM EDGE OF APRON TO THE LEADING EDGE OF THE BOTTOM OF THE BOWL. THE BOTTOM OF THE BOWL SHALL BE A MINIMUM OF 27" ABOVE THE FINISH FLOOR. ALL WATER AND DRAIN PIPING UNDER LAVATORIES SHALL BE INSULATED WITH A FOAM INSERT COVERED WITH A 1/8" VINYL OUTER SHELL. ANGLE STOPS SHALL HAVE A FLIP TOP ACCESS.

FAUCETS / SHOWER CONTROLS: CONTROLS SHALL BE LEVER HANDLES OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.

SHOWER: A SEAT SHALL BE PROVIDED IN SHOWER STALLS 36"X36". THE SEAT SHALL BE MOUNTED ON THE WALL OPPOSITE OF THE CONTROLS AND 17" TO 19" FROM THE BATHROOM FLOOR AND SHALL EXTEND THE FULL DEPTH OF THE STALL. SHOWER CONTROLS SHALL BE MOUNTED ON THE WALL OPPOSITE OF THE SEAT AND SHALL BE LOCATED ON THE SAME WALL AS THE SHOWER HEAD, AT MINIMUM HEIGHT OF 38" AND A MAXIMUM HEIGHT OF 48". IN ADDITION TO THE FIXED SHOWER HEAD PROVIDE A HAND HELD SHOWER SPRAY UNIT WITH A HOSE AT LEAST 60" LONG THAT CAN BE USED BOTH AS A FIXED SHOWER HEAD AND AS A HAND HELD SHOWER HEAD. IN A 30"X 60" SHOWER UNIT A FIXED SEAT SHALL BE PROVIDED, IT SHALL BE A FOLDING TYPE AND SHALL BE MOUNTED ON THE WALL ADJACENT TO THE CONTROLS. SEE ARCHITECTURAL DRAWINGS FOR GRAB BAR LOCATIONS.

SINKS: SINKS SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER 34" ABOVE THE FINISH FLOOR. PROVIDE A KNEE CLEARANCE OF AT LEAST 27" HIGH, 30" WIDE, AND 19" DEEP. SINKS SHALL BE A MAXIMUM OF 6 1/2" DEEP. ALL WATER AND DRAIN PIPING UNDER LAVATORIES SHALL BE INSULATED WITH A FOAM INSERT COVERED WITH A 1/8" VINYL OUTER SHELL. ANGLE STOPS SHALL HAVE A FLIP TOP ACCESS.

DRINKING FOUNTAINS / WATER COOLERS: WHERE ONLY ONE DRINKING FOUNTAIN IS PROVIDED ON A FLOOR THERE SHALL BE A DRINKING FOUNTAIN WHICH IS ACCESSIBLE TO INDIVIDUALS WHO USE WHEEL CHAIRS AND ONE ACCESSIBLE TO THOSE HAVING DIFFICULTY BENDING OR STOOPING. THIS CAN BE ACCOMPLISHED BY USING A "HI-LO" FOUNTAIN. LOWEST SPOUT SHALL BE NO HIGHER THAN 36" ABOVE FINISHED FLOOR AND HIGHEST SPOUT SHALL BE MOUNTED AT 40" ABOVE FINISH FLOOR. SPOUTS SHALL BE AT FRONT OF THE UNIT AND SHALL DIRECT THE WATER FLOW IN A TRAJECTORY THAT IS PARALLEL OR NEARLY PARALLEL TO THE FRONT OF THE UNIT. THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4" HIGH. CONTROLS SHALL BE FRONT MOUNTED OR SIDE MOUNTED NEAR THE FRONT EDGE. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF. WALL MOUNTED UNITS SHALL HAVE A CLEAR KNEE SPACE OF BETWEEN THE BOTTOM OF THE APRON AND THE FINISHED FLOOR AT LEAST 27" HIGH, 30" WIDE, AND 17" TO 19" DEEP. FOUNTAINS SHALL NOT PROTRUDE MORE THAN 4" OUT INTO WALKWAYS.

GAS PIPING NOTES

1. COORDINATE ALL DETAILS OF THE GAS PIPING SYSTEM WITH THE LOCAL GAS COMPANY. THIS INCLUDES, BUT IS NOT LIMITED TO: THE LOCATION OF THE GAS METER, GAS PRESSURE REQUIREMENTS, RELOCATION AND/OR UPSIZING OF EXISTING SERVICE PIPING IF REQUIRED. PAY ALL COSTS REQUIRED BY GAS COMPANY. CONTACT GAS COMPANY FOR SIZE AND TYPE OF PIPING AND VALVES REQUIRED FOR CONNECTION TO METER. GAS METER AND SERVICE REGULATOR TO BE PROVIDED BY UTILITY COMPANY. VERIFY CORRECT GAS PRESSURE DOWNSTREAM OF SERVICE REGULATOR AFTER GAS UTILITY COMPLETES INSTALLATION. THE NATURAL GAS DEMAND SHOWN IN MBH IS BASED ON A HEATING VALUE OF 1000 BTU (1 MBH) PER CUBIC FOOT AND A SPECIFIC GRAVITY OF 0.6. NEW GAS PIPING SIZES SHALL BE AS NOTED ON PLANS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL CODE AND GAS COMPANY REQUIREMENTS.
3. THE CONTRACTOR SHALL SUPPLY ALL PERMITS AND LICENSES REQUIRED FOR THE WORK, AND FOR ALL INSPECTIONS REQUIRED.
4. PROVIDE NEW GAS SERVICE PIPING FOR NEW EQUIPMENT SIZED AS INDICATED IN ACCORDANCE WITH FUEL GAS CODE FOR PRESSURE AND DEVELOPED LENGTH AS NOTED ON PLANS. CONNECT TO GAS PIPING AS SHOWN ON PLANS AND PROVIDE METER (IF REQUIRED), PRESSURE REGULATOR (SET TO EQUIPMENT DELIVERY PRESSURE, IF REQUIRED), VALVES, AND ACCESSORIES PER THE SPECIFICATIONS & LOCAL CODES.
5. PROVIDE GAS PIPING UP TO AND INCLUDING FINAL CONNECTION TO THE EQUIPMENT.
6. PROVIDE START-UP ASSISTANCE FOR ALL GAS-FIRED EQUIPMENT. COORDINATE ADJUSTMENT OF REGULATORS WITH SET-UP PERSONNEL TO ENSURE CORRECT GAS FLOW PRESSURES FOR PROPER OPERATION OF ALL EQUIPMENT.
7. ALL PIPING EXPOSED TO THE OUTDOORS OR LOCATED IN UNCONDITIONED SPACES SHALL BE PAINTED WITH TWO COATS OF ENAMEL.
8. PIPE GAS REGULATOR VENTS LOCATED INDOORS TO EXTERIOR OR PROVIDE VENT LIMITING DEVICE.

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PLUMBING GENERAL NOTES

(AS APPLICABLE)

1. NOTES APPLY TO ALL PLUMBING SHEETS.
2. EACH CONTRACTOR IS RESPONSIBLE FOR HAVING THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS AS THEY RELATE TO THIS WORK. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED DUE TO LACK OF THIS KNOWLEDGE.
3. ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS AS REQUIRED BY LOCAL AND STATE CODES.
4. PROVIDE ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS. PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE MINIMUM REQUIREMENTS.
5. ALL PLUMBING EQUIPMENT SHOWN ON THE PLUMBING PLANS SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR UNLESS NOTED OTHERWISE. UNLESS NOTED OTHERWISE, THE INDICATION AND/OR DESCRIPTION OF ANY ITEM, IN THE DRAWINGS OR SPECIFICATIONS CARRIES WITH IT THE INSTRUCTION TO FURNISH AND INSTALL THE ITEM. ALL EQUIPMENT AND MATERIALS PROVIDED BY THE CONTRACTOR WILL BE NEW; THERE WILL BE NO ALLOWANCE FOR REUSED MATERIAL UNLESS EXPLICITLY INDICATED OTHERWISE BY THE ENGINEER OR OWNER.
6. OBTAIN AND PAY FOR ALL PERMITS REQUIRED BY THIS WORK. PROVIDE TO THE ARCHITECT OR OWNER'S CONSTRUCTION MANAGER A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS.
7. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRICAL RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, SEQUENCE, DEVICE, OPTION, FITTING, OR COMPONENT. DO NOT SCALE FLOOR PLANS FOR EXACT LOCATION OF PIPE ROUTING. EQUIPMENT SCHEDULES SHALL TAKE PRECEDENCE OVER CONFLICTING DRAWING INFORMATION. DRAWINGS SPECIFIC TO THIS DISCIPLINE DO NOT LIMIT THE RESPONSIBILITY OF WORK REQUIRED BY CONTRACT DOCUMENTS. REFER TO ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND OTHER DRAWINGS FOR COMPLETE INFORMATION. NOTIFY THE ARCHITECT OR OWNER'S CONSTRUCTION MANAGER OF ANY CONFLICTS OR DISCREPANCIES.
8. INFORMATION AND COMPONENTS SHOWN ON DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE VERSA, SHALL BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH.
9. PROVIDE A CONSTRUCTION RECORD SET OF "AS-BUILT" DOCUMENTS TO THE ARCHITECT OR OWNER'S CONSTRUCTION MANAGER REFLECTING ANY VARIANCES OF INSTALLED EQUIPMENT OR PIPING LOCATIONS CONTRARY TO THE CONSTRUCTION DOCUMENTS.
10. COORDINATE THE INSTALLATION OF THE PLUMBING SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION. INSTALL PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATE INSTALLATION OF PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. ANY MODIFICATIONS REQUIRED DUE TO LACK OF COORDINATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.
11. THE CONTRACTOR SHALL DO ALL CUTTING OF WALLS, FLOORS, AND CEILINGS AS REQUIRED FOR INSTALLATION OF PLUMBING WORK. ALL CUTTING SHALL BE HELD TO A MINIMUM. NO STRUCTURAL MEMBERS MAY BE CUT OR MODIFIED WITHOUT THE WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER.
12. CUTTING OF ROOF AND FLASHING OF PIPE CURBS, SANITARY VENTS THROUGH ROOF, ETC., SHALL BE COORDINATED WITH THE ROOFING CONTRACTOR, AT THIS CONTRACTOR'S EXPENSE, TO MAINTAIN THE ROOF WARRANTY.
13. THESE DRAWINGS REFLECT SYSTEMS DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS (BASIS OF DESIGN), THE SELECTION OF WHICH INFLUENCED THE DESIGNS OF OTHER TRADES. IF SUBSTITUTE MANUFACTURERS, SIZES, MODELS, ETC. ARE SUBMITTED, IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO COORDINATE ALL DIFFERENCES WITH OTHER TRADES. ALL COSTS OF ALL TRADES ASSOCIATED WITH THE SUBSTITUTION SHALL BE INCLUDED.
14. NEW PLUMBING EQUIPMENT AND PIPING ARE SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.
15. COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANELS. IF PIPE ROUTING OVER ELECTRICAL PANELS IS UNAVOIDABLE, PROVIDE DRIP CATCH PANS UNDER THE ENTIRE LENGTH OF PIPE WHERE INSTALLED ABOVE ELECTRICAL EQUIPMENT. PANS SHALL BE MANUFACTURED, FIELD, OR SHOP FABRICATED OUT OF GALVANIZED SHEET METAL COMPLYING WITH ASTM A653/A653M. END CAP AND SEAMS SHALL BE WELDED OR SOLDERED AND SHALL BE TESTED TO BE LEAK PROOF. PANS SHALL BE CONSTRUCTED SO THAT THEY ARE LARGER THAN THE DRAIN LINE SERVING.
16. SEAL PENETRATIONS THROUGH THE BUILDING COMPONENTS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS. REFER TO ARCHITECTURAL PLANS FOR WALL AND FLOOR TYPES.
17. PROVIDE SLEEVE FOR ALL WATER PIPE FLOOR PENETRATIONS. MAKE SLEEVE LARGE ENOUGH FOR INSULATION. SEAL WITH MASTIC AND ENSURE OF NO WATER PENETRATIONS.
18. COORDINATE PIPING INSTALLATION WITH STRUCTURAL GRADE BEAMS, FOOTINGS, COLUMN PIERS, ETC. SLEEVE PIPING THROUGH GRADE BEAMS, FOOTINGS, ETC. WHERE REQUIRED AND AS NOTED ON PLANS.
19. COORDINATE PLUMBING CONNECTIONS EXTERIOR TO THE BUILDING WITH CIVIL AND AHJ. PROVIDE PRESSURE REDUCING VALVE AND BACKFLOW PREVENTER AS SHOWN OR REQUIRED BY AHJ. VERIFY INVERT AND SLOPE OF INCOMING SANITARY SEWER BEFORE TRENCHING. INVERT ELEVATIONS SHOWN ON THE PLUMBING PLANS ARE FOR CALCULATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ACTUAL FIELD VERIFICATION OF THE CONNECTION ELEVATION.
20. SANITARY AND STORM SEWER PIPING SHOWN IS BASED ON 1/4" PER FOOT FALL FOR ALL PIPE SMALLER THAN 3" DIAMETER AND 1/8" PER FOOT FALL FOR PIPE 3" DIAMETER AND LARGER, UNLESS NOTED OTHERWISE.
21. ALL SEWER PIPING BELOW SLAB TO BE 2" DIAMETER MINIMUM.
22. PROVIDE ACCESS PANELS TO ALL CONCEALED VALVES, CLEAN-OUTS, WATER HAMMER ARRESTORS, AND OTHER DEVICES BEHIND HARD SURFACES. LOCATE ITEMS ABOVE LAY-IN CEILINGS AND CLOSE TOGETHER WHERE POSSIBLE TO AVOID UNNECESSARY ADDITIONAL ACCESS PANELS. COORDINATE ALL ACCESS PANELS WITH ARCHITECT.
23. ALL FLOOR DRAINS SHALL HAVE MINIMUM 4" DEEP SEAL TRAPS.
24. PROVIDE TRAP GUARDS OR TRAP SEAL PRIMERS AND 1/2" COPPER TUBING CONNECTION TO ALL FLOOR DRAINS AS SHOWN OR AS REQUIRED BY AHJ. CONTRACTOR SHALL VERIFY REQUIREMENTS. PROVIDE SHUT-OFF VALVE UPSTREAM OF TRAP PRIMER VALVE. LOCATE TRAP PRIMER VALVES IN ACCESSIBLE LOCATION OR PROVIDE ACCESS PANEL. DO NOT LOCATE TRAP PRIMER VALVES OR PIPING IN PUBLIC ACCESSIBLE AREAS.
25. LOCATION OF FLOOR DRAINS IN MECHANICAL ROOMS SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT FOR PLACEMENT. DO NOT LOCATE DRAINS UNDER THE FOOTPRINT OF THE MECHANICAL EQUIPMENT.
26. FLOOR CLEANOUTS SHALL HAVE TOPS DESIGNED FOR SPECIFIC FLOOR FINISHES (CARPET, TILE, ETC.) WHETHER SPECIFIED OR NOT. REFER TO ARCHITECTURAL SHEETS FOR FLOOR FINISHES.
27. INSTALL VTR'S AND FLUES A MINIMUM 5'-0" FROM PARAPETS OR WALLS AND 10'-0" FROM EQUIPMENT WITH OUTSIDE AIR INTAKE.
28. WATER PIPING SHALL BE SLOPED FOR DRAINAGE WITH DRAIN VALVES INSTALLED AT LOW POINTS.
29. PROVIDE INSULATION ON ALL WATER PIPING ABOVE FLOOR, ROOF DRAIN BODIES, AND HORIZONTAL ROOF DRAIN PIPING.
30. INSTALL WATER PIPE ON INSIDE OF EXTERIOR WALL INSULATION TO PREVENT FREEZING.
31. VALVES SHALL BE LINE SIZE UNLESS NOTED OTHERWISE. ALL WATER SHUT-OFF VALVES SHALL BE "BALL LOCK" TYPE. PROVIDE SHUT-OFF VALVES AT EACH TERMINATION POINT OF ASSOCIATED EQUIPMENT.
32. PROVIDE WATER HAMMER ARRESTORS AS REQUIRED BY MANUFACTURER, GOOD PRACTICE, AHJ AND/OR CODE, OR MINIMUM OF ONE ARRESTOR FOR EACH FIXTURE OR BANK OF FIXTURES. WATER HAMMER ARRESTORS SHALL BE THE SAME SIZE AS PIPE INSTALLED ON, MINIMUM. AIR CHAMBERS SHALL NOT BE USED.
33. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES.
34. PROVIDE AND INSTALL VACUUM BREAKER (WATTS 8A OR EQUAL) ON ANY THREADED EXTERIOR OR INTERIOR FAUCETS WITHOUT INTEGRAL VACUUM BREAKER.
35. PROVIDE COMPLETE FIXTURES AND INCLUDE SUPPLIES, STOPS, VALVES, FAUCETS, DRAINS, TRAPS, TAILPIECES, ESCUTCHEONS, ETC. EXPOSED COPPER OR BRASS MATERIALS SHALL BE CHROME PLATED.
36. ALL EXPOSED OR ACCESSIBLE P-TRAPS SHALL BE CHROME PLATED AND PROVIDED WITH BOTTOM CLEANOUT PLUGS.
37. PROVIDE INSULATION AT ALL EXPOSED HOT WATER & DRAIN PIPING FOR HANDICAP FIXTURES PER ANSI A117.1 AND ADA REQUIREMENTS.
38. CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO TURNING BUILDING OVER TO THE OWNER.
39. THE DESIGN OF ANY AND ALL STRUCTURAL SYSTEMS (INCLUDING MODIFICATIONS TO EXISTING STRUCTURES) THAT MAY BE REQUIRED FOR SUPPORT OF NEW PLUMBING EQUIPMENT SHALL BE THE RESPONSIBILITY OF SEPARATE LICENSED STRUCTURAL ENGINEER.

ARCHITECT

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REGISTRATION

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15926
JARED C. WATSON

2026 AUGUST 28

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions

No.	Description	Date

project # AR26-0001

date 2026 AUGUST 28

director review

PLUMBING NOTES AND LEGENDS

P0.0

2026 AUGUST 28

PRIGM ENGINEERING, PLLC
CERTIFICATE OF AUTHORIZATION
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GAS INSTANTANEOUS WATER HEATER SCHEDULE

MARK	QTY	BASIS OF DESIGN		INPUT	OUTPUT	EFFICIENCY	EWT	LWT	FLOW	ELECTRICAL	OPERATING WEIGHT
		MANUFACTURER	MODEL	(MBH)	(MBH)		(°F)	(°F)	(GPM)		(LB)
IWH	1	A.O. SMITH	ACT-199I-N	199	185.4	0.93 UEF	55	120	5.7	120/1/60	75

GENERAL NOTES (ALL UNITS AS APPLICABLE):

1. PROVIDE EXPANSION TANK PER PLANS AND EQUIPMENT SCHEDULE.
2. REFER TO PLANS AND DETAILS FOR MOUNTING REQUIREMENTS.
3. PROVIDE ASME TEMPERATURE AND PRESSURE RELIEF VALVE.
4. PROVIDE WITH CONCENTRIC VENT THRU ROOF PER PLANS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
5. PROVIDE CONDENSATE NEUTRALIZATION KIT.
6. INTERFACE WITH EXISTING BAS.

ELECTRIC STORAGE WATER HEATER SCHEDULE

MARK	QTY	BASIS OF DESIGN		STORAGE	INPUT	OUTPUT	EWT	LWT	RECOVERY RATE	ELECTRICAL	OPERATING WEIGHT
		MANUFACTURER	MODEL	(GAL)	(KW)	(MBH)	(°F)	(°F)	(GPH)		(LB)
WH	1	A.O. SMITH	DEL-20	19	2	6.8	55	120	12.6	120/1/60, 16.7 FLA	235

GENERAL NOTES (ALL UNITS AS APPLICABLE):

1. PROVIDE EXPANSION TANK PER PLANS AND EQUIPMENT SCHEDULE.
2. REFER TO PLANS AND DETAILS FOR MOUNTING REQUIREMENTS.
3. PROVIDE ASME TEMPERATURE AND PRESSURE RELIEF VALVE.
4. PROVIDE NON-SIMULTANEOUS OPERATION. SCHEDULED INPUT IS FOR SINGLE ELEMENT.

PLUMBING EQUIPMENT SCHEDULE

MARK	QTY	EQUIPMENT	BASIS OF DESIGN		ELECTRICAL	DESCRIPTION
			MANUFACTURER	MODEL		
ET	2	EXPANSION TANK	WATTS	PLT-5	---	FIXED BLADDER TYPE, 2.1 GALLON, PRE-CHARGE AIR PRESSURE TO MATCH DOMESTIC WATER STATIC PRESSURE PRIOR TO INSTALLING. IAPMO LISTED AND ANSI/NSF 61 CERTIFIED.
CP	1	IN-LINE CIRCULATOR	BELL & GOSSETT	NBF-9U/LW	120/1/60, 41W (PLUG IN)	LEAD-FREE BRONZE BODY, WET ROTOR, 3/4" SWEATED BRONZE UNION CONNECTION. PROVIDE FLEXIBLE PLUG-IN CORD. PROVIDE HOT WATER RETURN LINE AQUASTAT AND TIME CLOCK.

GAS EQUIPMENT

TOTAL DEMAND: 734 MBH

ADD ALT TOTAL: 2,720 MBH

Mark	MBH
GENERATOR ADD ALT	1986
IWH	199
PDX-1	195
PDX-2	90
PDX-3	150
PDX-4	100

SPECIALTY PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	BASIS OF DESIGN		DESCRIPTION
		MANUFACTURER	MODEL	
DN	DOWNSPOUT NOZZLE	ZURN	ZANB199	NICKEL BRONZE BODY, DECORATIVE FACE OF WALL FLANGE AND OUTLET NOZZLE. REMOVABLE STAINLESS SCREEN.
FCO	FLOOR CLEANOUT	ZURN	Z1400	ADJUSTABLE FLOOR CLEANOUT, CAST IRON BODY, ABS TAPERED THREAD PLUG. IN FINISHED AREAS, PROVIDE POLISHED NICKEL-BRONZE LIGHT DUTY TOP. PROVIDE SCORIATED CAST IRON EXTRA-HEAVY-DUTY SECURED TOP WHERE LOCATED IN UNFINISHED AREAS SUCH AS MECHANICAL ROOMS OR WHERE SUBJECT TO DAMAGE.
FD-1	FLOOR DRAIN (ROUND)	ZURN	Z415-BZ1	6" ROUND "TYPE B" POLISHED NICKEL BRONZE, LIGHT-DUTY STRAINER. DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, CONCRETE SHIELD, UP TO 1" OF VERTICAL POST POUR ADJUSTMENT, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS.
FD-2	FLOOR DRAIN (ROUND)	ZURN	Z511	9" ROUND TOP. DURA-COATED CAST IRON DEEP SUMP BODY WITH BOTTOM OUTLET, SEEPAGE PAN AND COMBINATION MEMBRANE FLASHING CLAMP AND FRAME FOR HEAVY-DUTY CAST IRON DEEP FLANGE GRATE. PROVIDE WITH SEDIMENT BUCKET.
FPRH	FREEZE PROOF ROOF HYDRANT	WOODFORD	SHR-MS	NON-FREEZE, LEAD-FREE, EXPOSED, DURA-COATED CAST IRON HEAD AND LIFT HANDLE WITH LOCK OPTION, GALVANIZED STEEL CASING, VACUUM BREAKER, 3/4" MALE HOSE CONNECTION.
FPWH	FREEZE PROOF WALL HYDRANT	ZURN	Z1320XL	NON-FREEZE, LEAD-FREE, ENCASED, ANTI-SIPHON AUTOMATIC DRAINING WITH INTEGRAL BACKFLOW PREVENTER, STAINLESS STEEL BOX AND HINGED COVER, OPERATING KEY LOCK, 3/4" MALE HOSE CONNECTION.
PRV	PRESSURE REDUCING VALVE	ZURN	500XL	BRONZE BODY WITH INTEGRAL BY-PASS CHECK VALVE. PROVIDE PRESSURE GAUGE DOWNSTREAM AND SHUT-OFF VALVES. MAXIMUM OPERATING PRESSURE OF 300 PSI. CONFORM TO ASSE 1003.
RD-1	ROOF DRAIN	ZURN	ZC100-C-E-R	15" DIAMETER ROOF DRAIN, DURA-COATED CAST IRON BODY WITH CAST IRON DOME, BOTTOM OUTLET, MEMBRANE CLAMP, UNDERDECK CLAMP, RECEIVER, EXTENSION.
RD-2	ROOF DRAIN	ZURN	Z125-C-E-R	8-3/8" DIAMETER ROOF DRAIN, DURA-COATED CAST IRON BODY WITH CAST IRON DOME, BOTTOM OUTLET, MEMBRANE CLAMP, UNDERDECK CLAMP, RECEIVER, EXTENSION.
ROD-1	OVERFLOW ROOF DRAIN	ZURN	ZC100-C-E-R-W3	15" DIAMETER ROOF DRAIN, DURA-COATED CAST IRON BODY WITH CAST IRON DOME, BOTTOM OUTLET, MEMBRANE CLAMP, UNDERDECK CLAMP, RECEIVER, EXTENSION, 3" INTERNAL WATER DAM.
ROD-2	OVERFLOW ROOF DRAIN	ZURN	Z125-C-E-R-89	8-3/8" DIAMETER ROOF DRAIN, DURA-COATED CAST IRON BODY WITH CAST IRON DOME, BOTTOM OUTLET, MEMBRANE CLAMP, UNDERDECK CLAMP, RECEIVER, EXTENSION, 2" EXTERNAL WATER DAM.
RPZ	REDUCED PRESSURE BACKFLOW PREVENTER	WATTS	LF909M1-QT-S, 2"	LEAD FREE, STRAINER, QUARTER TURN BALL VALVES, TEST COCKS, 175 PSI WORKING PRESSURE. INSTALL DRAIN LINE WITH AIR GAP ASSEMBLY TO APPROVED RECEPTOR. PROVIDE WITH FLOOD SENSOR AND INTERFACE WITH BAS.
TMV	THERMOSTATIC MIXING VALVE	WATTS	LFUSG-B	+/-2°F UP TO 120°F, WITH BUILT-IN CHECK VALVES, LEAD-FREE BRASS BODY, AND COPPER THERMOSTAT. ASSE 1070.
TP	TRAP PRIMER (OR TRAP GUARD)	WATTS (MIFAB)	LFTP300 (-DR) (MI-GARD)	BRASS PRIMER VALVE WITH REMOVABLE OPERATING PARTS, LEAD FREE, INTEGRAL VACUUM BREAKER, AND GASKETED ACCESS COVER. PROVIDE DISTRIBUTION UNIT WHERE REQUIRED TO SERVE MULTIPLE TRAPS. (INLINE DRAIN TRAP SEAL. UV RESISTANT ABS FRAME, SILICON RUBBER SEALING FLAPPERS, ASSE 1072 CERTIFIED.)
WCO	WALL CLEANOUT	ZURN	Z1470 (Z1469)	THREADED, COUNTERSUNK, BRONZE CLEANOUT PLUG. PROVIDE STAINLESS STEEL COVER FOR FINISHED AREAS.
WHA	WATER HAMMER ARRESTOR	ZURN	1260XL	LEAD-FREE, CONFORM TO PDI WH-201, ANSI A112.26.1M, ASSE 1010. SIZE PER MANUFACTURER'S RECOMMENDATION.
YCO	YARD CLEANOUT	ZURN	Z1449 / Z1474	CAST IRON FERRULE AND PLUG, DURA-COATED CAST IRON, DOUBLE-FLANGED HOUSING, AND EXTRA HEAVY DUTY SCORIATED CAST IRON COVER WITH LIFTING DEVICE AND VANDAL-PROOF SCREWS.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	BRANCH SIZES (MIN.)				ELECTRICAL	DESCRIPTION
		CW	HW	WASTE	VENT		
DF-1	DRINKING FOUNTAIN	1/2"	---	1-1/2"	1-1/4"	120/1/60, 5 FLA (PLUG IN)	ELKAY, MODEL LZSTL8WSSK, BI-LEVEL ADA COOLER AND BOTTLE FILLING STATION, FILTERED, 8 GPH, STAINLESS.
LV-1	LAVATORY (ADA)	1/2"	1/2"	1-1/2"	1-1/2"	---	ADA COMPLIANT LAVATORY, KOHLER, MODEL K-2035-1 "PINOIR", 22" OVAL, WALL-HUNG, WHITE, VITREOUS CHINA, FRONT OVERFLOW, SINGLE HOLE CONCEALED ARM SUPPORT, AND SHROUD. FAUCET: KOHLER, MODEL K-35048-4N, SINGLE HOLE, 0.5 GPM, POLISHED CHROME FINISH, WITH SINGLE-HANDLE AND GRID STRAINER DRAIN. PROVIDE THERMOSTATIC MIXING VALVE (TMV) SET FOR 105°F.
MS-1	MOP SINK	1/2"	1/2"	3"	2"	---	FIAT, MODEL MSB2424, MOLDED STONE MOP SERVICE BASIN, 24" x 24" x 10", PROVIDE NO. 830AA FAUCET WITH INTEGRAL VACUUM BREAKER, NO. 832-AA HOSE AND BRACKET, NO. 1453BB FLOOR STRAINER AND NO. 899-CC MOP HANGER AND STAINLESS STEEL WALL GUARDS. LOCATE MOP HANGER BRACKET NEAR MOP SINK. COORDINATE FINAL LOCATION WITH OWNER.
SH-1	SHOWER (STALL)	1/2"	1/2"	2"	1-1/2"	---	SHOWER STALL: AQUARIUS, MODEL G4836 SH, 48" x 35-1/2" x 74", WHITE, ONE PIECE, SMOOTH WALL, APPLIED ACRYLIC, PROVIDE WITH CENTER DRAIN. TRIM: AMERICAN STANDARD, MODEL TU075507 "COLONY PRO", SHOWER ONLY TRIM KIT WITH PRESSURE BALANCE CARTRIDGE, SINGLE LEVER HANDLE, 1.75 GPM SHOWERHEAD,POLISHED CHROME FINISH. PROVIDE ASSE 1016 PRESSURE BALANCING VALVE WITH SCREWDRIVER STOPS.
SH-2	SHOWER (ADA TRANSFER STALL)	1/2"	1/2"	2"	1-1/2"	---	ADA TRANSFER SHOWER STALL: AQUARIUS, MODEL G3682BF, 42" x 37-1/2" x 82-1/8", WHITE, ONE PIECE, APPLIED ACRYLIC FINISH, WITH STAINLESS STEEL GRAB BARS, HDPE FOLD UP SEAT, CURTAIN ROD, AND CENTER DRAIN. SHOWER TRIM KIT: AMERICAN STANDARD, MODEL TU662.221, INCLUDES SINGLE LEVER VALVE TRIM KIT, 3-FUNCTION 2.5 GPM HAND SHOWER WITH NON-POSITIVE SHUT-OFF, 59" METAL HOSE, VACUUM BREAKER,, WALL SUPPLY AND 36" SLIDE BAR, POLISHED CHROME. PROVIDE ASSE 1016 PRESSURE BALANCING VALVE WITH SCREWDRIVER STOPS.
UR-1	URINAL	1"	---	2"	1-1/2"	(BATTERY)	ADA COMPLIANT URINAL: AMERICAN STANDARD, MODEL 6590.001EC "WASHBROOK", WHITE, VITREOUS CHINA, WALL-HUNG, TOP SPUD, ELONGATED FLUSHING RIM, EXTENDED SIDES, 24" RIM HEIGHT. FLUSH VALVE: SLOAN, MODEL G2 8186, SENSOR OPERATED, BATTERY POWERED, 1.0 GPF, POLISHED CHROME.
WC-1	WATER CLOSET (FLOOR MOUNTED, BOTTOM OUTLET, FLUSH VALVE, SENSOR)	1-1/4"	---	4"	2"	(BATTERY)	TOILET: AMERICAN STANDARD, MODEL 3451.001 "MADERA", WHITE, VITREOUS CHINA, FLOOR MOUNTED, BOTTOM OUTLET, ELONGATED BOWL, TOP SPUD, 15" RIM HEIGHT, 12" ROUGH-IN. FLUSH VALVE: SLOAN, MODEL G2 8111, SENSOR OPERATED, BATTERY POWERED, 1.6 GPF, POLISHED CHROME. SEAT: AMERICAN STANDARD, MODEL 5901.100SS, OPEN FRONT LESS COVER, SELF-SUSTAINING HINGES.
WC-2	WATER CLOSET (ADA, FLOOR MOUNTED, BOTTOM OUTLET, FLUSH VALVE, SENSOR)	1-1/4"	---	4"	2"	(BATTERY)	ADA COMPLIANT TOILET: AMERICAN STANDARD, MODEL 3461.001 "MADERA", WHITE, VITREOUS CHINA, FLOOR MOUNTED, BOTTOM OUTLET, ELONGATED BOWL, TOP SPUD, 16-1/2" RIM HEIGHT FOR ADA COMPLIANCE, 12" ROUGH-IN. FLUSH VALVE: SLOAN, MODEL G2 8111, EXPOSED, SENSOR OPERATED, BATTERY POWERED, 1.6 GPF, POLISHED CHROME. SEAT: AMERICAN STANDARD, MODEL 5901.100SS, OPEN FRONT LESS COVER, SELF-SUSTAINING HINGES.

GENERAL NOTES (ALL FIXTURES AS APPLICABLE):

1. FIXTURE AND HARDWARE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR, UNLESS NOTED OTHERWISE.
2. ADA TOILETS & URINALS: MOUNT CONTROLS ON ACCESSIBLE SIDE TO COMPLY WITH ADA REQUIREMENTS. COORDINATE WITH FIXTURE SUPPLIER.
3. WALL MOUNTED FIXTURES: PROVIDE AND INSTALL APPROPRIATE CARRIER FOR FIXTURE TYPE.
4. ADA LAVATORIES: PROVIDE INSULATION KIT (TRUEBRO E-Z SERIES "LAVGUARD") WHERE PIPING IS EXPOSED.
5. REFER TO ARCHITECTURAL PLANS FOR LEFT/RIGHT HAND ORIENTATION OF FIXTURES WHERE APPLICABLE.

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REGISTRATION

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LICENSED PROFESSIONAL ENGINEER
No. 15926
JARED C. WATSON

2026 AUGUST 28

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD

(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001

date 2026 AUGUST 28

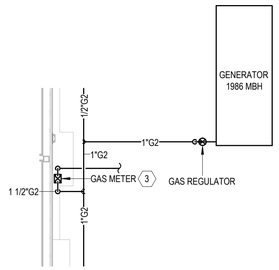
director review

PLUMBING SCHEDULES

P1.0

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2 GAS PLAN - ADD ALT
3/16" = 1'-0"

KEYNOTES:

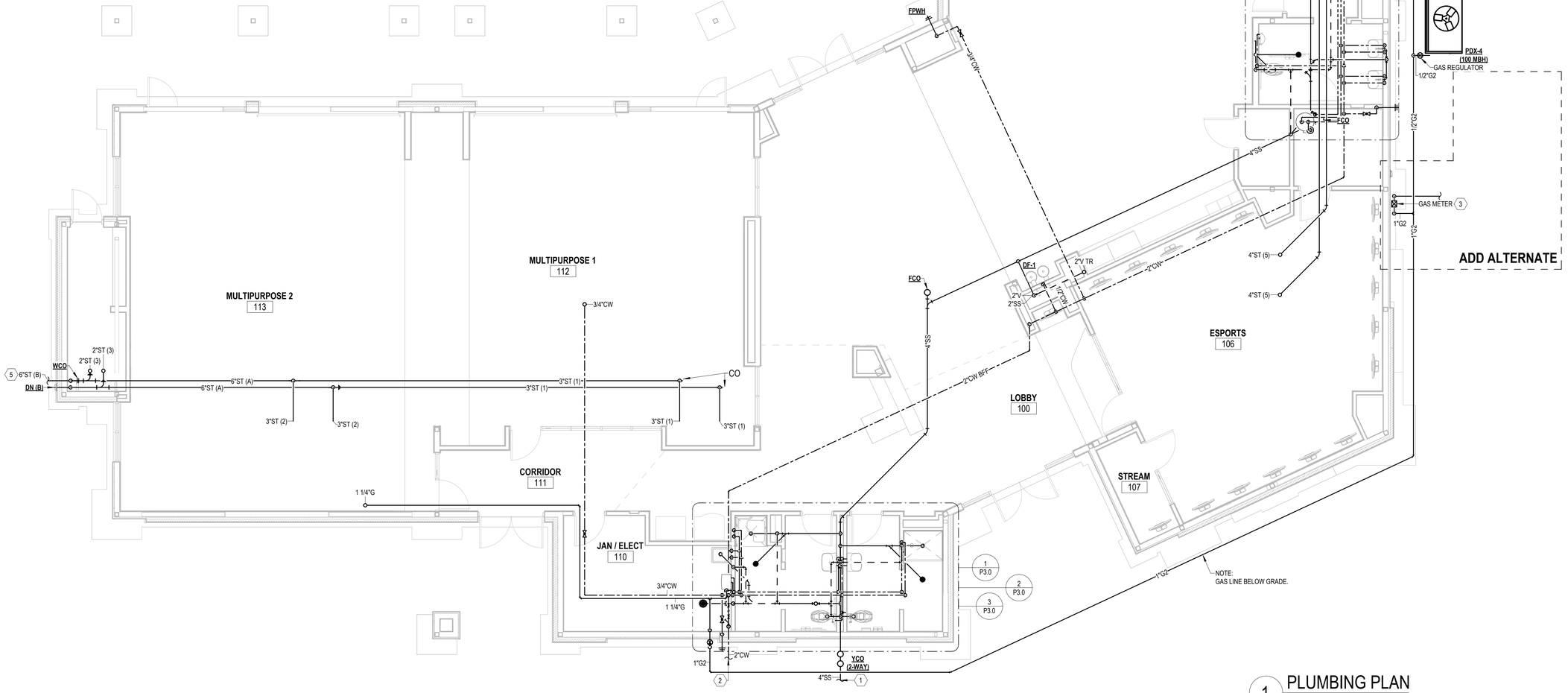
1 REFER TO CIVIL FOR CONTINUATION. MINIMUM 1/8" PER FOOT SLOPE.
DESIGN DEMAND: 40 DFU

2 INCOMING DOMESTIC WATER SERVICE. REFER TO CIVIL FOR CONTINUATION.
ANTICIPATED PEAK DEMAND: 70 GPM

3 GAS SERVICE AND METER PER GAS UTILITY COMPANY. REGULATE TO 2 PSI. PIPING SIZED FOR MAXIMUM 1 PSI PRESSURE DROP PER 2018 AFGC TALBE 402.4(5).
ANTICIPATED DEMAND: 734 MBH @ 150'
ADD ALTERNATE ANTICIPATED DEMAND: 2720 @ 150'

4 REFER TO CIVIL FOR STORM LINE CONTINUATION.
DESIGN DEMAND: 190 GPM

5 REFER TO CIVIL FOR STORM LINE CONTINUATION.
DESIGN DEMAND: 140 GPM



1 PLUMBING PLAN
3/16" = 1'-0"

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ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

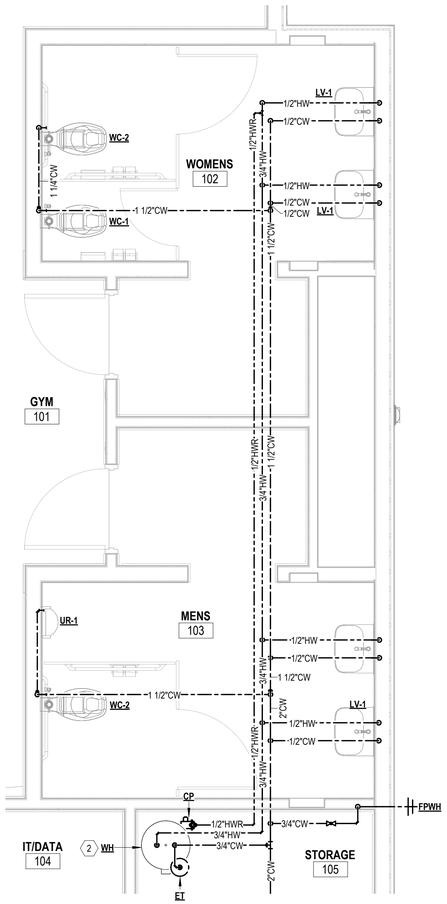
PROJECT INFORMATION

revisions No.	Description	Date

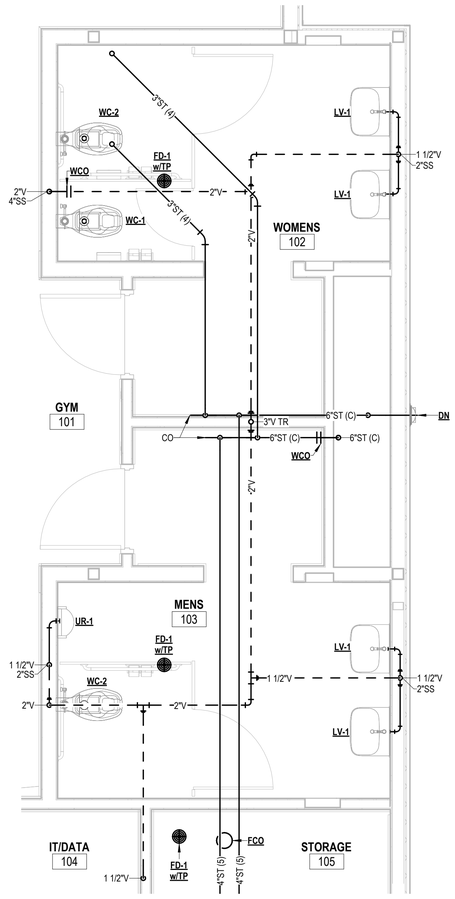
project # AR26-0001
date 2026 AUGUST 28
director review

PLUMBING PLAN

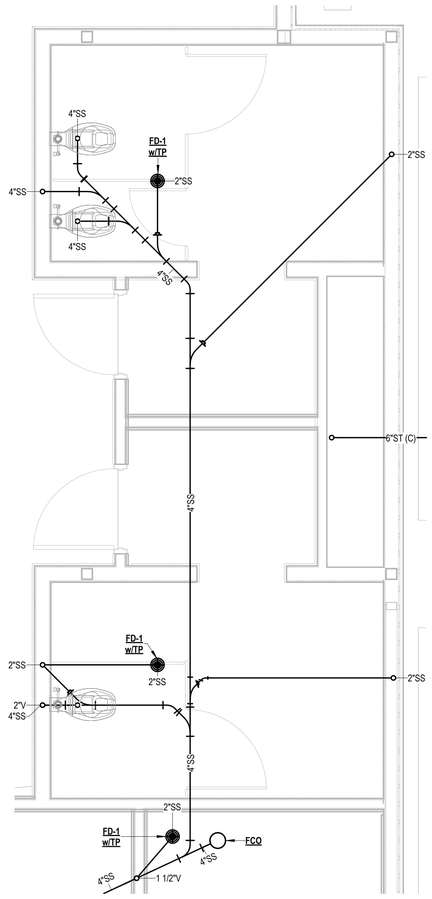
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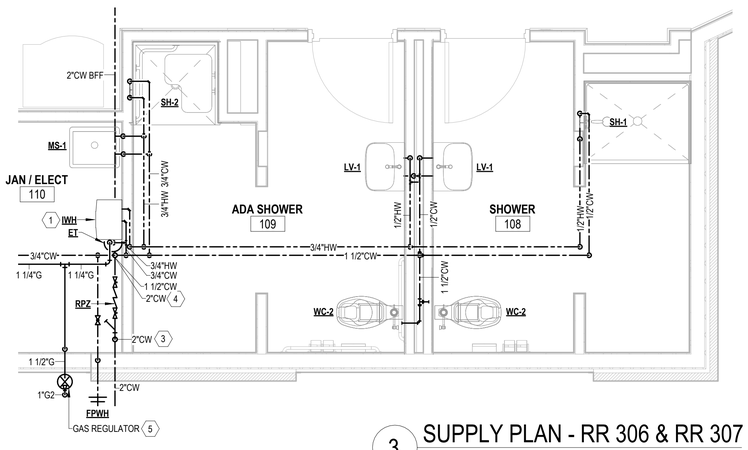
6 WATER PLAN - M RR 313 & W RR 316
3/8" = 1'-0"



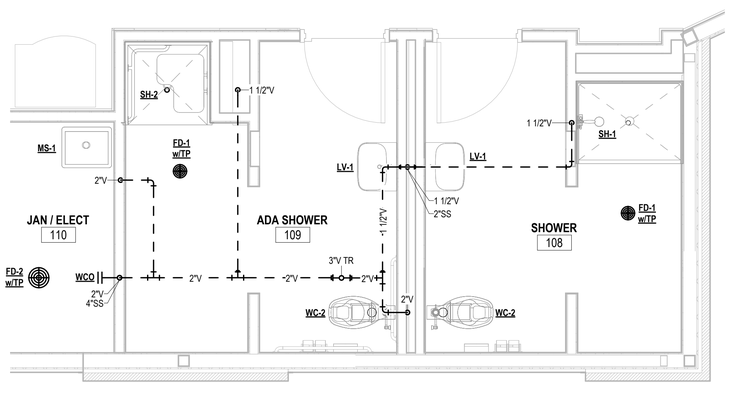
5 DWV PLAN - M RR 313 & W RR 316
3/8" = 1'-0"



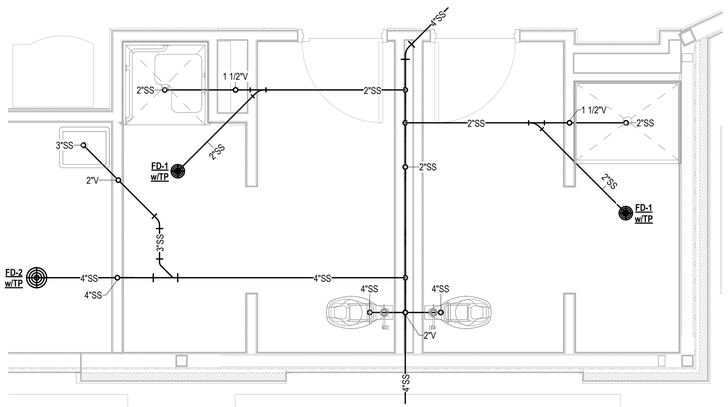
4 DWV PLAN - M RR 313 & W RR 316 - BELOW SLAB
3/8" = 1'-0"



3 SUPPLY PLAN - RR 306 & RR 307
3/8" = 1'-0"



2 DWV PLAN - RR 306 & RR 307
3/8" = 1'-0"



1 DWV PLAN - RR 306 & RR 307 - BELOW SLAB
3/8" = 1'-0"

KEYNOTES:

1. WATER HEATER TO BE MOUNTED HIGH ON WALL. ROUTE VENT AND COMBUSION AIR PIPING UP TO CONCENTRIC VENT THRU ROOF PER MANUFACTURER'S INSTRUCTIONS.
2. WATER HEATER MOUNTED HIGH ON PREMANUFACTURED WALL MOUNTED WATER HEATER PLATFORM (HOLDRITE QUICK STAND OR SIMILAR). ROUTE DRAIN LINES TO FLOOR DRAIN WITH AIR GAP.
3. DOMESTIC WATER SERVICE UP THRU SLAB WITH MAIN SHUT-OFF VALVE.
4. WATER LINE DOWN THRU SLAB WITH SHUT-OFF VALVE.
5. REGULATE TO 7" W.C., PIPING DOWNSTREAM SIZED FOR 0.5" W.C. PRESSURE DROP PER 2018 AFGC TABLE 402.4(2). ANTICIPATED DEMAND: 484 MBH @ 125

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No. 15926
JARED C. WATSON
2026 AUGUST 28

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ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELD
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

PLUMBING ENLARGED PLANS

P3.0

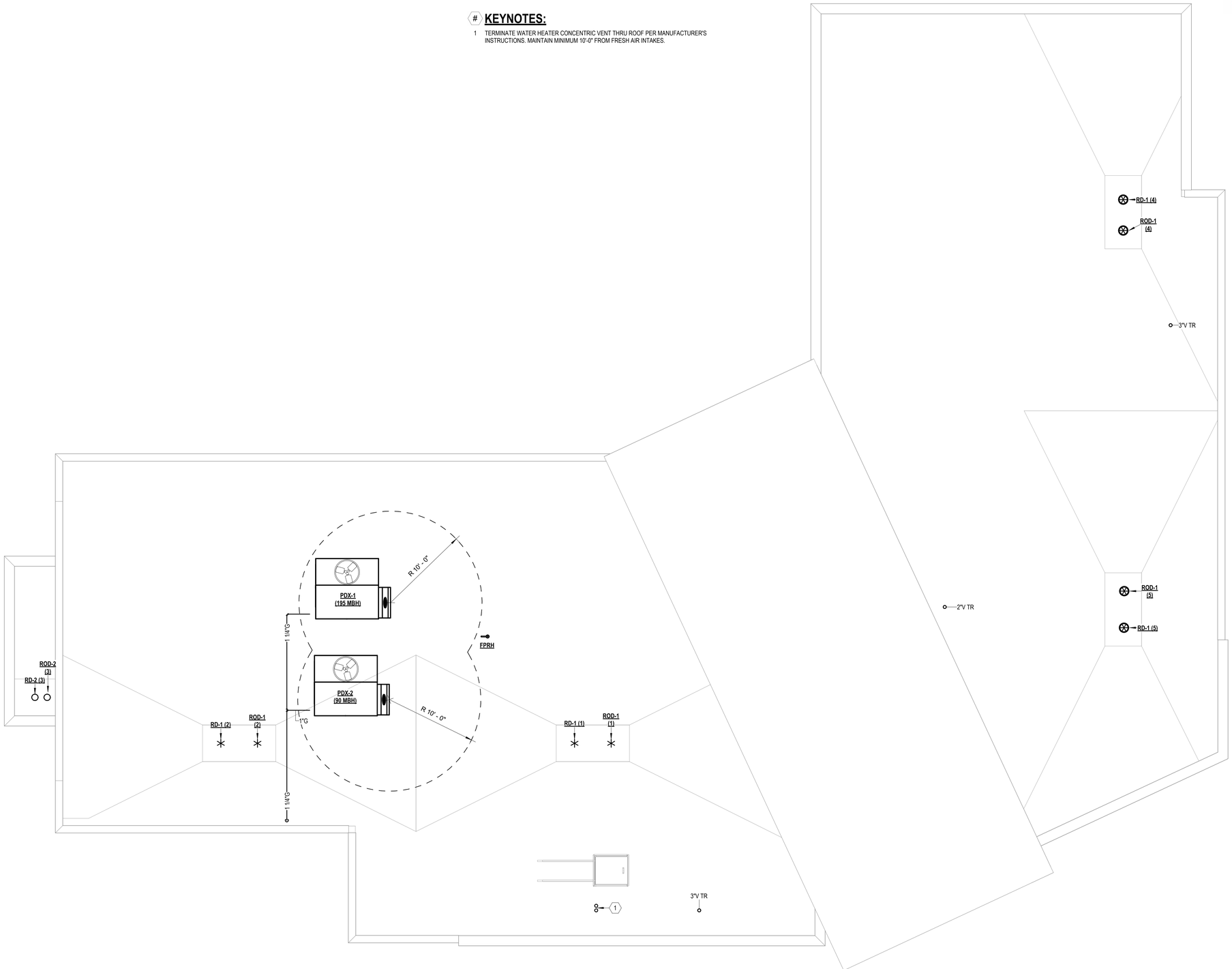
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KEYNOTES:

1 TERMINATE WATER HEATER CONCENTRIC VENT THRU ROOF PER MANUFACTURER'S INSTRUCTIONS. MAINTAIN MINIMUM 10'-0" FROM FRESH AIR INTAKES.



1 PLUMBING ROOF PLAN
3/16" = 1'-0"

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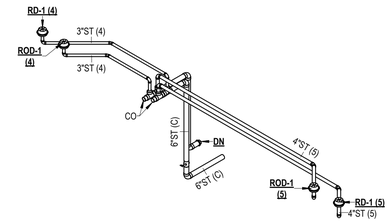
project # AR26-0001
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PLUMBING ROOF PLAN

P4.0

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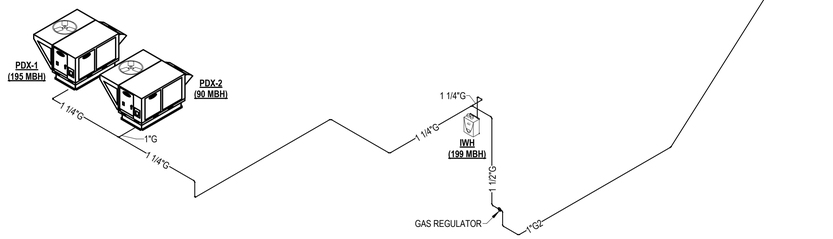
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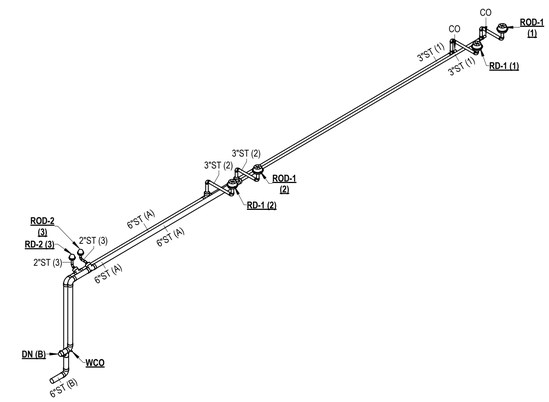
STORM DRAINAGE CALCULATIONS

DEMAND					VERTICAL DRAIN PIPE			HORIZONTAL DRAIN PIPE			ROOF AREA
ROOF AREA	SQ. FT.	RAINFALL (in./hr)	CFH	GPM	MINIMUM SIZE (in.)	CAPACITY (GPM)	PROPOSED SIZE (in.)	MIN. SLOPE (in. / ft.)	MINIMUM SIZE (in.)	CAPACITY (GPM)	PROPOSED SIZE (in.)	
1	1767	3.75	552.2	69	3	87	**3**	1/8	3	55	**3**	1
2	1718	3.75	536.9	67	3	87	**3**	1/8	3	55	**3**	2
3	104	3.75	32.5	4	2	34	**2**	1/8	2	22	**2**	3
4	2087	3.75	652.2	81	3	87	**3**	1/8	3	55	**3**	4
5	2714	3.75	848.1	106	4	180	**4**	1/8	4	115	**4**	5

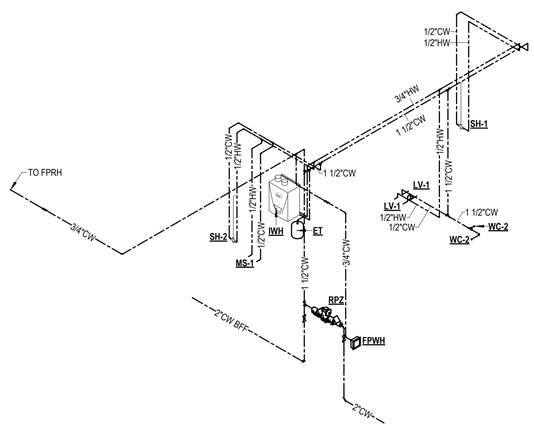
COMBINED AREAS												
PARENT SEGMENT	CHILD SEGMENT 1	CHILD SEGMENT 2	TOTAL SQ. FT.	TOTAL GPM	MINIMUM SIZE (in.)	CAPACITY (GPM)	PROPOSED SIZE (in.)	MIN. SLOPE (in. / ft.)	MINIMUM SIZE (in.)	CAPACITY (GPM)	PROPOSED SIZE (in.)	PARENT SEGMENT
A	1	2	3465	136	4	180	**6**	1/8	6	344	**6**	A
B	A	3	3589	140	4	180	**6**	1/8	6	344	**6**	B
C	4	5	4801	187	6	538	**6**	1/8	6	344	**6**	C



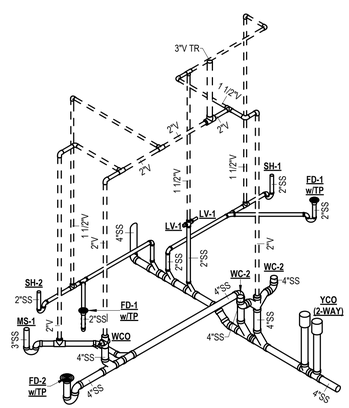
6 GAS ISOMETRIC



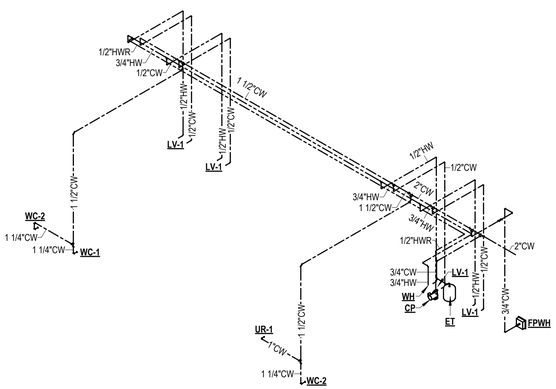
5 STORM ISOMETRIC



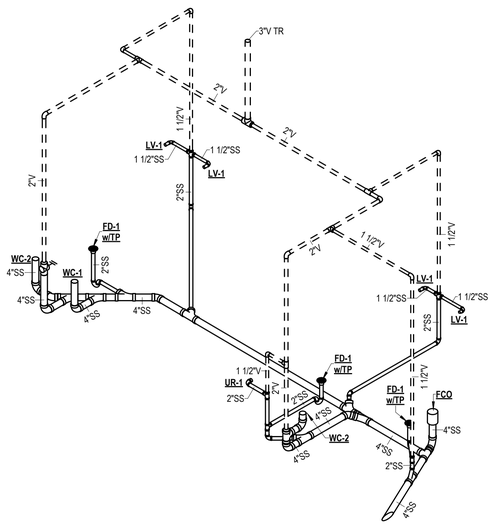
4 WATER ISOMETRIC - RR 306 & RR 307



3 DWV ISOMETRIC - RR 306 & RR 307



2 WATER ISOMETRIC - M RR 313 & W RR 316



1 DWV ISOMETRIC - M RR 313 & W RR 316

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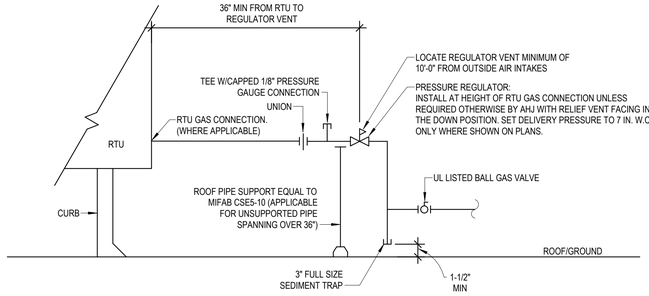
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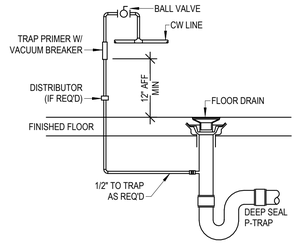
PLUMBING ISOMETRIC DIAGRAMS

P5.0



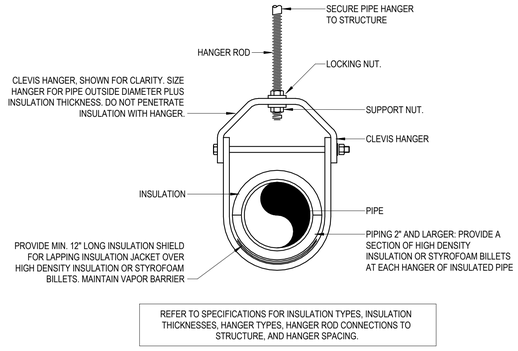
8 RTU GAS CONNECTION/SUPPORT

SCALE: NTS



7 FLOOR DRAIN w/ TRAP PRIMER

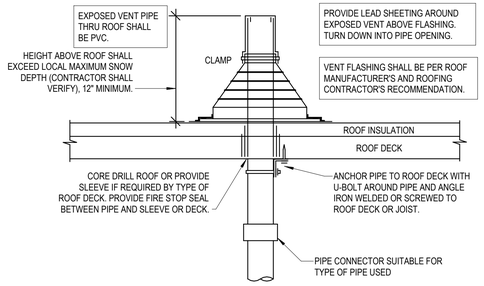
SCALE: NTS



REFER TO SPECIFICATIONS FOR INSULATION TYPES, INSULATION THICKNESSES, HANGER TYPES, HANGER ROD CONNECTIONS TO STRUCTURE, AND HANGER SPACING.

6 INSULATED PIPE HANGER

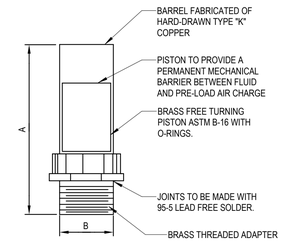
SCALE: NTS



REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, OR TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, OR ONE FOOT FROM ANY VERTICAL SURFACE. LOCATE VTR MINIMUM 18" FROM PARAPET, EXPANSION JOINT, EQUIPMENT CURB, ETC. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS.

5 VENT THRU ROOF

SCALE: NTS

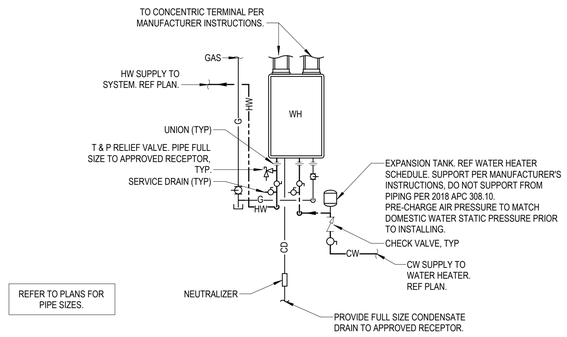


PPP SIZE	P.D.I. SYMBOL	FIXTURE UNIT RATINGS	A SIZE	B SIZE
1/2"	A	1 - 11	5"	1/2"
3/4"	B	12 - 32	5"	3/4"
1"	C	33 - 60	7"	1"
1-1/4"	D	61 - 113	7"	1-1/4"
1-1/2"	E	114 - 154	9"	1-1/2"
2"	F	155 - 330	9"	2"

LOCATE ARRESTORS IN AN ACCESSIBLE LOCATION. PROVIDE ARRESTORS AS INDICATED PER SCHEDULE. ARRESTORS SHALL BE SAME SIZE AS PIPE INSTALLED ON, MINIMUM.

4 WATER HAMMER ARRESTOR

SCALE: NTS



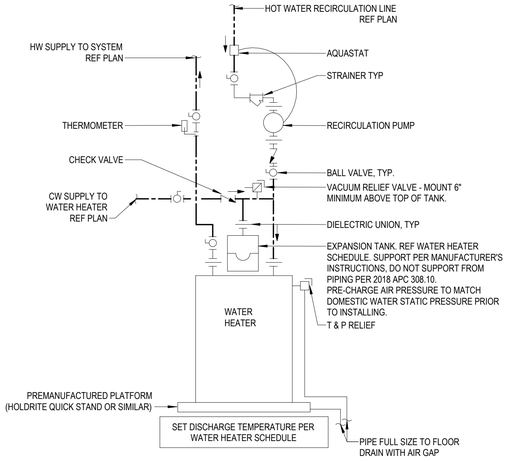
REFER TO PLANS FOR PIPE SIZES.

NOTE:
LOCATIONS OF VALVES, PUMP AND PIPING ARE DIAGRAMMATIC ONLY AND MAY VARY FROM THAT SHOWN. INSTALL WATER HEATER, EXHAUST VENT, AIR INTAKE AND TERMINATIONS AS RECOMMENDED BY MANUFACTURER, PER CODE, AND TO MAXIMIZE SPACE FOR FUTURE MAINTENANCE. CONTRACTOR SHALL USE DIELECTRIC UNIONS FOR ALL PIPE CONNECTIONS BETWEEN DISSIMILAR METALS.

ROUTE ALL CONDENSATE AND PRESSURE RELIEF INDIRECTLY TO APPROVED RECEPTOR WITH AIR GAP.

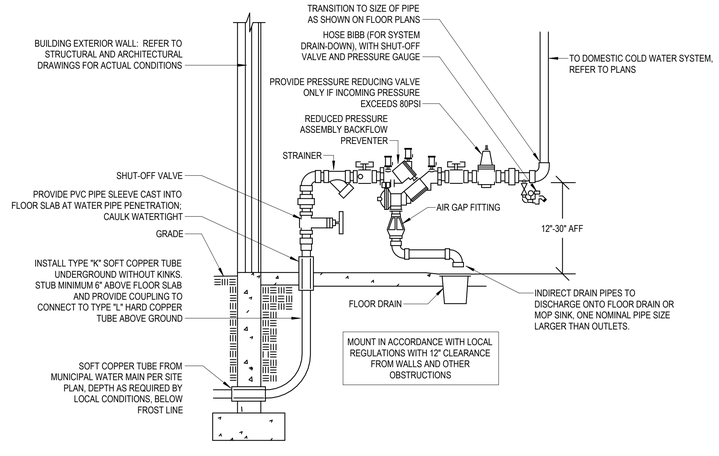
3 INSTANT WATER HEATER

NTS



2 ELECTRIC WATER HEATER WITH RECIRCULATION PUMP

SCALE: NTS



PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED TO SUIT ACTUAL INSTALLATION CONDITIONS. PROVIDE REDUCED PRESSURE ASSEMBLY OF MANUFACTURER APPROVED BY LOCAL AUTHORITIES. INSTALL WITH REQUIRED CLEARANCES, IN HORIZONTAL UPRIGHT POSITION, PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ANY REQUIRED CERTIFICATION OF TEST OF BACKFLOW PREVENTER TO LOCAL AUTHORITIES. ALL ITEMS SHALL BE APPROVED FOR DOMESTIC WATER SERVICE. INSTALL ENTIRE VALVE TRAIN SUPPORTED FROM WALL BRACKET OR FLOOR STAND. INSTALL SO THAT IT CAN BE EASILY SERVICED AND TESTED PER LOCAL REQUIREMENTS.

1 DOMESTIC WATER SERVICE ENTRY

SCALE: NTS

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PLUMBING DETAILS

P6.0

2026 AUGUST 28

ELECTRICAL SYMBOLS LEGEND

(SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS)

SYMBOL	DESCRIPTION
	RECESSED CAN LIGHT FIXTURE
	FLUORESCENT OR LED FIXTURE
	TRACK LIGHTING
	EXIT FIXTURE (WALL MOUNTED/CEILING MOUNTED)
S	SWITCH, SINGLE POLE
S_3	SWITCH, 3-WAY
S_D	SWITCH, DIMMER, TO BE COMPATIBLE WITH LIGHT TYPE AND LOAD
S_T	SINGLE POLE TIMER SWITCH (PARAGON MODEL #ET1100F)
S_{3T}	3-WAY TIMER SWITCH (PARAGON MODEL #ET1100F/3-WAY)
S_M	SWITCH, MANUAL MOTOR
S_{OS}	SWITCH, OCCUPANCY SENSOR, WALL MOUNT
$S_{OS,D}$	SWITCH, OCCUPANCY SENSOR AND DIMMER COMBO, WALL MOUNT
	RECEPTACLE, DUPLEX
	RECEPTACLE, DUPLEX, ISOLATED GROUND
	RECEPTACLE, DUPLEX, GFI
OS	OCCUPANCY SENSOR, CEILING MOUNT
PP	POWER PACK FOR LIGHTING CONTROLS
	RECEPTACLE, DUPLEX, CEILING MOUNTED (FIELD VERIFY EXACT LOCATION) INSTALL FLUSH IN CEILING IN AREAS WITH FINISHED CEILINGS
	RECEPTACLE, DUPLEX FLUSH FLOOR
	RECEPTACLE, DUPLEX ISOLATED GROUND FLUSH FLOOR
	RECEPTACLE, SPECIAL FLUSH FLOOR
	RECEPTACLE, DOUBLE DUPLEX
	RECEPTACLE, SIMPLEX TWIST LOCK, L5-15R, UNO
	RECEPTACLE, DUPLEX TWIST LOCK, L5-15R, UNO
	RECEPTACLE, SPECIAL
	RECEPTACLE, SIMPLEX
	DATA OUTLET, CAT 6 OR PER SPECS
	TELEPHONE OUTLET
	TELEVISION OUTLET, CONFIRM CABLE TYPE PRIOR TO INSTALLATION
	DATA OUTLET & PHONE OUTLET, CAT 6 OR PER SPECS
J	JUNCTION BOX
J	JUNCTION BOX (FLUSH FLOOR MOUNTED)
JB J PB	GENERIC JUNCTION BOX OR PULL BOX AS APPLICABLE. SEE DRAWINGS FOR MORE SPECIFIC APPLICATION INFORMATION
	EQUIPMENT CONNECTION POINT (PROVIDED WITH EQUIPMENT)
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
LA-1	HOME-RUN (WITH CIRCUIT NUMBER(S) WHERE APPLICABLE) CIRCUIT NUMBERS ARE ALSO SHOWN WITHOUT HOMERUN
	CIRCUIT, CONCEALED IN SLAB FLOOR
	CABLING/RACEWAY - CEILING OR WALL - SEE SPECS. FOR APPL CONDUIT/RACEWAY REQTS. (FULLY CONCEALED IN FINISHED AREAS, CONCEALED TO OVERHEAD STRUCTURE IN UNFIN. AREAS)
	CONDUIT SLEEVE
	FLUSH MOUNTED PANELBOARD
	SURFACE MOUNTED PANELBOARD
	MOTOR
	TELEPOWER POLE (TUBE-STEEL CHASE FURNISHED BY OWNER, INSTALLED BY E.C.) SEE POWER PLANS FOR FURTHER INFORMATION
	PUSH BUTTON
	BUZZER
	INDICATES GROUNDING BY E.C. PER N.E.C. ARTICLE 250 MINIMUM
TV	TV BOX: PROVIDE POWER, CAT 6 AND COAX RECEPTACLES IN RECESSED 3-GANG BOX.

ABBREVIATIONS

AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AL	ALUMINUM
BAS	BUILDING AUTOMATION SYSTEM
BFF	BELOW FINISHED FLOOR
CU	COPPER
DDC	DIRECT DIGITAL CONTROL
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EM	EMERGENCY LIGHTING
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
GC	GENERAL CONTRACTOR
GFCI/GFI	GROUND FAULT CIRCUIT INTERRUPTER
GR	GROUND
IG	ISOLATED GROUND
HD	HAND DRYER
LTG	LIGHTING
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MFR	MANUFACTURER
MIN	MINIMUM
MLO	MAIN LUG ONLY
NL	NIGHT LIGHT
PC	PLUMBING CONTRACTOR
PNLBD	PANELBOARD
RC	REFRIGERATION CONTRACTOR
RCPTS	RECEPTACLES
REF	REFERENCE
RH	RADIANT HEATER
RTU	ROOF TOP UNIT
SC	SECURITY CAMERA
TYP	TYPICAL
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
WH	WATER HEATER
WP	WEATHER PROOF COVERPLATE
WR	WEATHER RESISTANT RECEPTACLE
XFMR	TRANSFORMER

FIRE ALARM SYMBOLS LEGEND

(SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS)

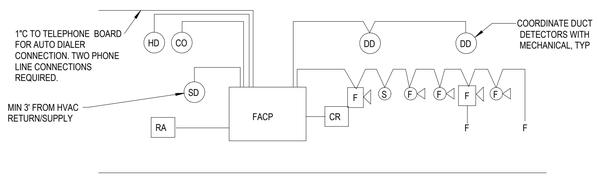
SYMBOL	DESCRIPTION
F	FIRE ALARM MANUAL STATION. PROVIDE PROTECTION DEVICE.
F	ADA COMPLIANT FIRE ALARM SPEAKER WITH STROBE LIGHT, UNLESS NOTED OTHERWISE.
SD	CEILING MOUNTED SMOKE DETECTOR
SC	CEILING MOUNTED SMOKE DETECTOR/CARBON MONOXIDE COMBINATION UNIT
DD	DUCT MOUNTED SMOKE DETECTOR. FURNISHED AND CONNECTED BY ELECTRICAL CONTRACTOR, INSTALLED BY MECHANICAL CONTRACTOR. CUTTING OF DUCT, INSTALLATION OF DETECTOR, AND DETERMINATION OF SAMPLING TUBE LENGTH SHALL BE THE MECHANICAL CONTRACTOR'S RESPONSIBILITY. PROVIDE REMOTE INDICATING LIGHT WITH EACH DETECTOR.
HD	CEILING MOUNTED HEAT DETECTOR
FS	SPRINKLER SYSTEM FLOW SWITCH
TS	SPRINKLER SYSTEM TAMPER SWITCH
SD	SMOKE DAMPER. FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR, CONNECTED TO FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR.
DH	MAGNETIC DOOR HOLDER, PROVIDED BY GENERAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE A SMOKE DETECTOR WITHIN 5 FT OF BOTH SIDES OF DOORS TO LOCALLY ACTIVATE DOOR UPON SMOKE SIGNAL.
RA	FIRE ALARM REMOTE GRAPHIC ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL WITH LOCAL SMOKE DETECTOR.
CO	CARBON MONOXIDE DETECTOR
S	ADA COMPLIANT FIRE ALARM STROBE LIGHT, UNLESS NOTED OTHERWISE.

SYSTEMS SYMBOLS LEGEND

SYMBOL	DESCRIPTION
AP	WIRELESS ACCESS POINT
DR	DOOR READER
	SECURITY CAMERA

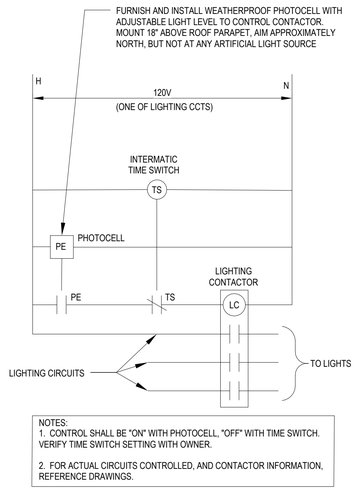
GENERAL POWER/LIGHTING NOTES

A	PROVIDE SEALS AT RACEWAY PENETRATIONS AS FOLLOWS: A. FIRE RATED WALLS: SEAL PER SPECIFICATIONS FOR FIRE STOPPING. B. NEUTRALIZATION AREA: SEAL PER MECHANICAL DETAILS. C. EXTERIOR: REFER TO ARCHITECTURAL DOCUMENTS FOR SEALING REQUIREMENTS AT ALL EXTERIOR MOUNTED DEVICES, FIXTURES, ENCLOSURES, AND RACEWAY PENETRATIONS.
B	PROVIDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR (SIZE PER NEC) IN ALL CONDUIT AND RACEWAYS. CONDUIT SHALL BE SIZED PER NEC BASED ON THWN 600 VOLT COPPER SINGLE CONDUCTORS, PLUS THE EQUIPMENT GROUNDING CONDUCTOR.
C	WIRING DEVICES: DEVICE MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTER OF OUTLET BOX UNLESS NOTED OTHERWISE ON PLANS. COORDINATE THE STANDARD MOUNTING HEIGHTS WITH MASONRY: A. SWITCHES +48" B. RECEPTACLES +18" C. VOICE/DATA +18" OR AS NOTED ON PLANS
D	WIRING SHALL INCLUDE FINAL CONNECTION TO ALL EQUIPMENT IN CONFORMANCE WITH EQUIPMENT SUPPLIER WIRING DIAGRAMS.
E	CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE PANELBOARD IDENTIFICATIONS SCHEDULES.
F	BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE IN SCHEDULES. WHERE 20A BRANCH CIRCUITS HAVE #8 AND LARGER WIRE SPECIFIED, #10 AWG WIRE SHALL BE USED FOR FINAL CONNECTION (15-FT MAXIMUM).
G	WHERE BRANCH CIRCUITS ARE GROUPED, SIZE CONDUIT AND DERATE CURRENT CARRYING CONDUCTORS PER NEC.
H	PROVIDE HANDLE TIES ON ALL MULTIWIRE BRANCH CIRCUITS TO MEET NEC REQUIREMENTS.
I	ALL EMERGENCY AND EXIT SIGN CIRCUITRY SHALL BE UNSWITCHED.
J	PROVIDE 4'X4', 3/4" FIRE RATED PLYWOOD BACKBOARD WHERE SHOWN ON PLANS OR AS REQUIRED FOR DATA/PHONE, CATV, OR ALARMS. COORDINATE FINAL LOCATION WITH THE RESPECTIVE CONTRACTOR.
K	PROVIDE SURGE PROTECTIVE DEVICE FOR ANY OWNER PROVIDED EQUIPMENT, SUCH AS ACCESS CONTROL SYSTEMS, COMMUNICATIONS SYSTEMS, DATA SYSTEMS, AND SECURITY SYSTEMS.
L	GROUP SWITCHES ADJACENT TO EACH OTHER IN MULTI-GANG BOX. MOUNT SWITCHES AT SAME HEIGHT AS EACH OTHER AND OTHER DEVICES NEARBY FOR A CLEAN LOOK.
M	DIMMER SWITCHES SHALL BE COMPATIBLE WITH LOAD IT'S SERVING. 0-10V LIGHT FIXTURES SHALL BE DIMMED WITH 0-10V DIMMER WITH CONTROL WIRING.
N	ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT FOR ANY MECHANICAL CONTROL CABLING BETWEEN UNITS, CONTROLLERS, THERMOSTATS, ETC. COORDINATE FINAL LOCATIONS WITH MECHANICAL CONTRACTOR.
O	LOW VOLTAGE CABLING IN WALLS OR WHEN EXPOSED SHALL ALWAYS BE ROUTED IN CONDUIT. HORIZONTAL CABLING THAT IS CONCEALED SHALL BE PER OWNER, AHJ, OR ENGINEER REQUIREMENTS.



NOTES:
1. FACP SHALL HAVE A MINIMUM 24 HR BATTERY BACKUP.
2. FACP SHALL BE CONNECTED TO A UL APPROVED CENTRAL STATION.
3. FACP SHALL BE FULLY ANALOG ADDRESSABLE.
4. ZONE PER NFPA 72 AND MANUFACTURER'S RECOMMENDATIONS WITH NO SINGLE ZONE EXCEEDING 15,000 SQUARE FEET PER FLOOR.
5. FIRE ALARM ENGINEER TO PROVIDE DEFERRED SUBMITTAL CONTAINING EXACT QUANTITY AND DEVICE LOCATIONS. FIRE ALARM DEVICES ON THIS SET OF PLANS IS FOR REFERENCE ONLY.
6. PROVIDE MULTI-TEMPORAL SOUNDING CAPABILITY AT ALL AUDIO DEVICES FOR EMERGENCY NOTIFICATION.
7. THE FIRE ALARM SYSTEM MANUFACTURER SHALL PROVIDE NOTIFICATION APPLIANCE CIRCUIT (NAC) POWER EXTENDERS AS REQUIRED.
8. THE EVACUATION TONE IS REQUIRED TO BE THREE BEAT TEMPORAL PATTERN.
9. ALL STROBES WITHIN THE SAME AREA SHALL BE SYNCHRONIZED.
10. THE CIRCUIT FEEDING THE FIRE ALARM PANEL IS DEDICATED FOR THE FIRE ALARM ONLY. FACP BREAKER SHALL BE MARKED IN RED.
11. FOR ALL DEVICES, PROVIDE 3/4" CONDUIT BACK TO FACP. NO PLENUM RATED CABLE SHALL BE ALLOWED UNLESS ALLOWED BY FIRE MARSHAL.
12. CONTRACTOR SHALL INCLUDE IN THE BID CONTRACT FOR AN ADDITIONAL (5) ANNUNCIATION DEVICES, (2) PULL STATIONS, (2) SMOKE DETECTORS, (2) HEAT DETECTORS, AND RELOCATION OF (2) PULL STATIONS. THESE DISTANCES SHALL BE PRICED BASED ON 100 FT (EACH) FROM THE FACP. DEVICES SHALL NOT BE PURCHASED OR INSTALLED UNTIL DIRECTED BY OWNER OR ENGINEER.
13. FIRE ALARM INSTALLER SHALL BE NICET CERTIFIED.

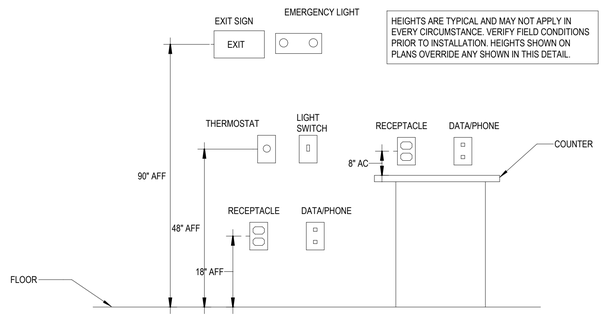
3 TYPICAL FIRE ALARM RISER
NTS



NOTES:
1. CONTROL SHALL BE "ON" WITH PHOTOCELL, "OFF" WITH TIME SWITCH. VERIFY TIME SWITCH SETTING WITH OWNER.

2. FOR ACTUAL CIRCUITS CONTROLLED, AND CONTACTOR INFORMATION, REFERENCE DRAWINGS.

2 LIGHTING CONTACTOR
NTS



1 TYPICAL MOUNTING HEIGHTS
NTS

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2026 AUGUST 28

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ELECTRICAL & LIGHTING NOTES AND SYMBOLS

E0.1

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FIRE ALARM NOTES

FIRE ALARM DEVICES ARE SHOWN FOR REFERENCE ONLY. THE FINAL FIRE ALARM DESIGN AND PERMITTING SHALL BE PERFORMED BY THE FIRE ALARM CONTRACTOR.

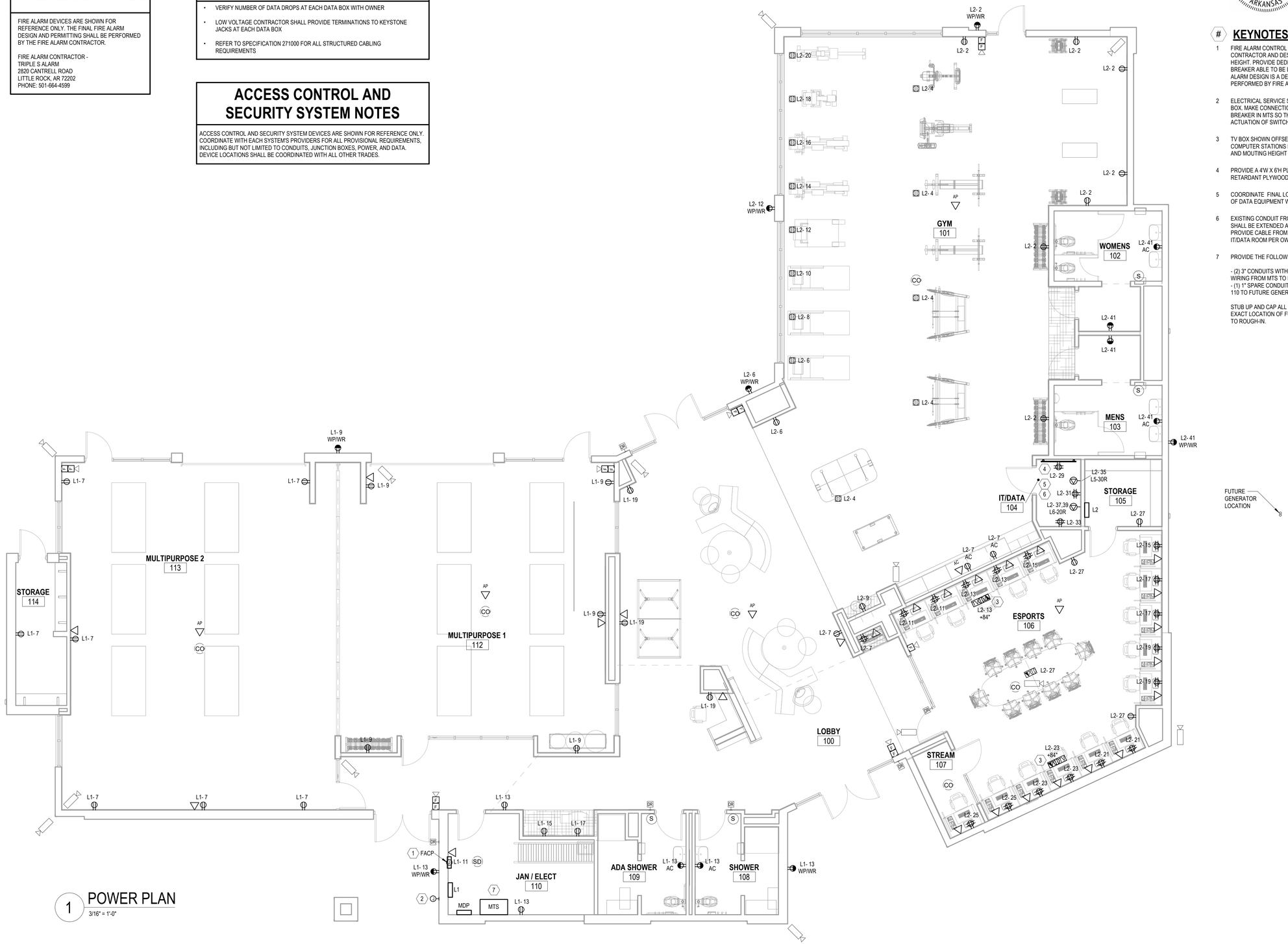
FIRE ALARM CONTRACTOR -
TRIPLE S ALARM
2820 CANTRELL ROAD
LITTLE ROCK, AR 72202
PHONE: 501-664-4599

LOW VOLTAGE NOTES

- VERIFY NUMBER OF DATA DROPS AT EACH DATA BOX WITH OWNER
- LOW VOLTAGE CONTRACTOR SHALL PROVIDE TERMINATIONS TO KEYSTONE JACKS AT EACH DATA BOX
- REFER TO SPECIFICATION 271000 FOR ALL STRUCTURED CABLING REQUIREMENTS

ACCESS CONTROL AND SECURITY SYSTEM NOTES

ACCESS CONTROL AND SECURITY SYSTEM DEVICES ARE SHOWN FOR REFERENCE ONLY. COORDINATE WITH EACH SYSTEM'S PROVIDERS FOR ALL PROVISIONAL REQUIREMENTS, INCLUDING BUT NOT LIMITED TO CONDUITS, JUNCTION BOXES, POWER, AND DATA. DEVICE LOCATIONS SHALL BE COORDINATED WITH ALL OTHER TRADES.



1 POWER PLAN
3/16" = 1'-0"

KEYNOTES:

1 FIRE ALARM CONTROL PANEL. COORDINATE WITH FIRE ALARM CONTRACTOR AND DESIGNER FOR FINAL LOCATION AND HEIGHT. PROVIDE DEDICATED, RED, LOCKABLE CIRCUIT BREAKER ABLE TO BE LOCKED IN THE ON POSITION. FIRE ALARM DESIGN IS A DEFERRED SUBMITTAL AND SHALL BE PERFORMED BY FIRE ALARM SYSTEM PROVIDER.

2 ELECTRICAL SERVICE SHUNT TRIP KNOX BOX REMOTE POWER BOX. MAKE CONNECTIONS TO SHUNT TRIP MAIN CIRCUIT BREAKER IN MTS SO THAT CIRCUIT BREAKER TRIPS UPON ACTUATION OF SWITCH.

3 TV BOX SHOWN OFFSET FOR CLARITY. MOUNT ON WALL ABOVE COMPUTER STATIONS FOR MONITOR. VERIFY EXACT LOCATION AND MOUTING HEIGHT WITH OWNER PRIOR TO ROUGH-IN.

4 PROVIDE A 4'W X 6'H PLYWOOD BACKBOARD WITH FIRE RETARDANT PLYWOOD FOR PHONE/DATA USE

5 COORDINATE FINAL LOCATION, HEIGHT AND REQUIREMENTS OF DATA EQUIPMENT WITH EQUIPMENT PROVIDER

6 EXISTING CONDUIT FROM EXISTING MAINTENANCE BUILDING SHALL BE EXTENDED AND STUBBED IN TO IT/DATA ROOM. PROVIDE CABLE FROM EXISTING MAINTENANCE BUILDING TO IT/DATA ROOM PER OWNER'S REQUIRMENTS.

7 PROVIDE THE FOLLOWING CONDUITS -

- (2) 3" CONDUITS WITH PULL STRINGS FOR FUTURE POWER WIRING FROM MTS TO FUTURE GENERATOR LOCATION SHOWN
- (1) 1" SPARE CONDUIT WITH PULL STRING FROM JAN/ELECT 110 TO FUTURE GENERATOR LOCATION SHOWN

STUB UP AND CAP ALL CONDUITS FOR FUTURE USE. VERIFY EXACT LOCATION OF FUTURE GENERATOR WITH OWNER PRIOR TO ROUGH-IN.

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POWER PLAN

E1.1

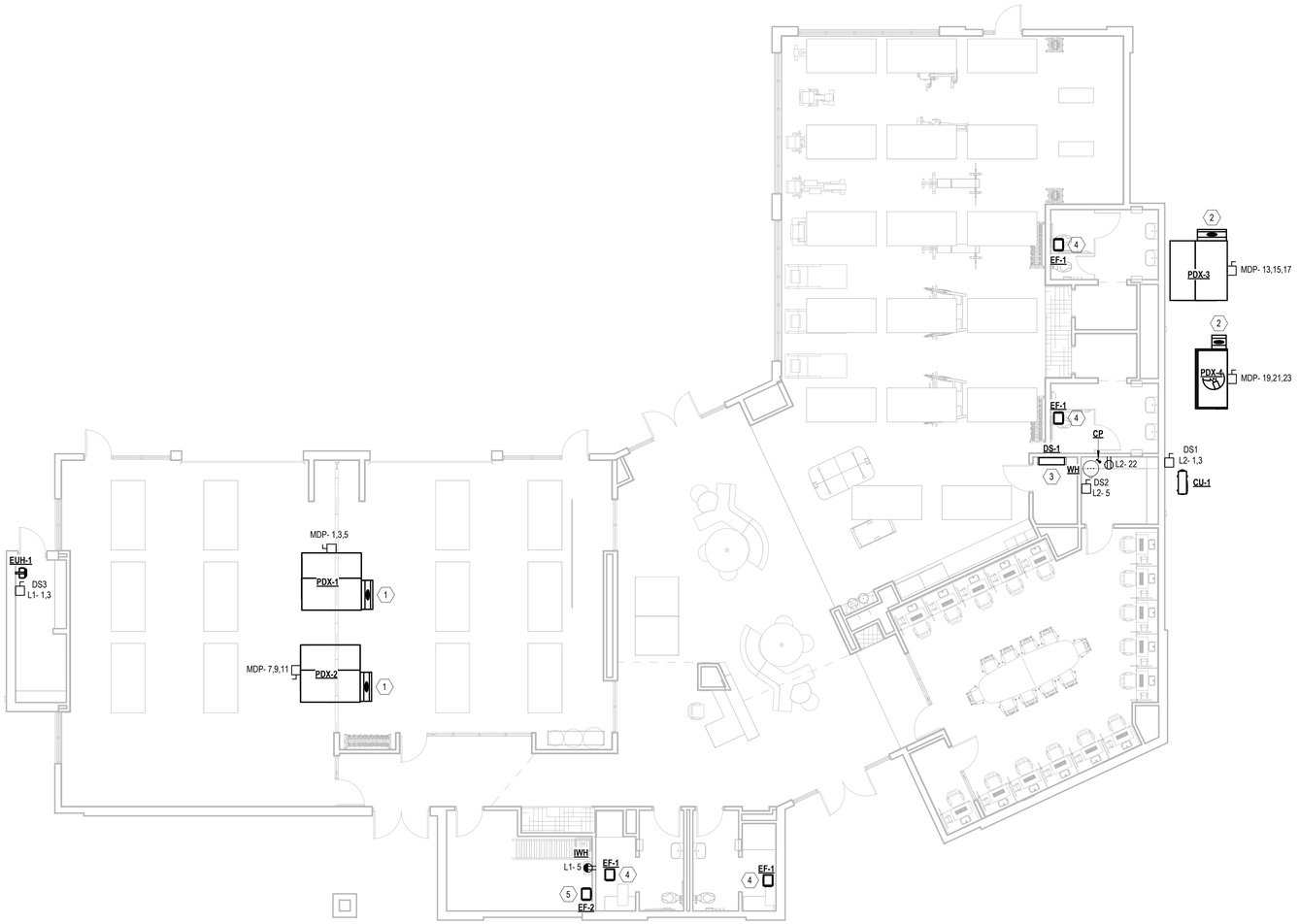
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DISCONNECT SCHEDULE

TAG	DESCRIPTION	POLES	VOLTAGE	NEMA TYPE	MOUNTING	FUSE SIZE
DS1	30A DISCONNECT	2	208 V	3R	SURFACE	N/A
DS2	30A DISCONNECT	1	120 V	1	SURFACE	N/A
DS3	30A DISCONNECT	2	208 V	1	SURFACE	N/A

MECHANICAL AND PLUMBING GENERAL COORDINATION NOTES

- PROVIDE 1" CONDUITS WITH PULL STRINGS AND JUNCTION BOXES AS REQUIRED FROM HVAC UNITS TO CORRESPONDING INDOOR UNITS AND/OR THERMOSTATS
- COORDINATE LOCATIONS OF FIELD INSTALLED DISCONNECTS AND RECEPTACLES FOR MECHANICAL AND PLUMBING EQUIPMENT WITH RESPECTIVE CONTRACTORS
- COORDINATE CONNECTIONS TO MECHANICAL AND PLUMBING EQUIPMENT WITH RESPECTIVE CONTRACTORS
- COORDINATE REQUIREMENTS OF MOTORIZED DAMPERS WITH MECHANICAL AND CONTROLS CONTRACTORS



1 MECHANICAL POWER PLAN
1/8" = 1'-0"

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KEYNOTES:

1 DISCONNECT AND WIRED CONVENIENCE RECEPTACLE PROVIDED WITH UNIT

2 DISCONNECT PROVIDED WITH UNIT

3 INDOOR UNIT IS POWERED FROM CORRESPONDING OUTDOOR UNIT OF SYSTEM. PROVIDE CIRCUIT AND CONNECTIONS FROM OUTDOOR UNIT TO INDOOR UNIT PER MANUFACTURER 'S INSTRUCTIONS. COORDINATE FINAL LOCATIONS AND TERMINATIONS WITH MECHANICAL CONTRACTOR.

4 CIRCUIT AND CONTROL WITH ROOM LIGHTING

5 CIRCUIT WITH ROOM LIGHTING. REFER TO MECHANICAL SCHEDULES FOR CONTROLS.

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MECHANICAL POWER PLAN

E1.2

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KEYNOTES:

1 PROVIDE (1) 1" CONDUIT FROM GENERATOR TO ATS FOR COMMUNICATION CABLING

2 GENERATOR EMERGENCY STOP BUTTON. MAKE CONNECTIONS TO GENERATOR/ATS SYSTEM PER MANUFACTURER'S INSTRUCTIONS.

GENERATOR / ATS ADD ALTERNATE NARRATIVE

- MTS AND CONDUITS NOTED ON SHEET E1.1 ARE BASE BID
- GENERATOR, ATS, COMMUNICATION CONDUIT, EMERGENCY STOP BUTTON, AND CIRCUITS FOR GENERATOR HEATER AND BATTERY CHARGER ARE ADD ALTERNATES.
- ATS SHALL REPLACE MTS AS PART OF ADD ALTERNATE.

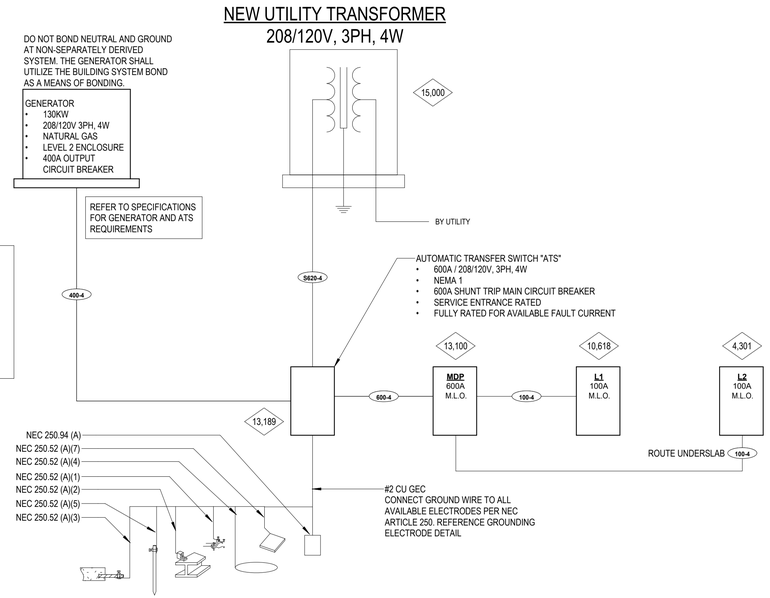
IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL SERVICE AND METERING REQUIREMENTS AND SPECIFICATIONS WITH UTILITY COMPANY PRIOR TO BID AND SHALL BE RESPONSIBLE FOR ALL MATERIAL, WORK, AND FEES ASSOCIATED WITH IT. ANY TEMPORARY CONSTRUCTION SERVICES SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR AS NECESSARY.

COORDINATE ALL NECESSARY WORK, FINAL LOCATIONS, AND RESPONSIBILITY WITH UTILITY COMPANY FOR TRANSFORMER, METER, AND CT INSTALLATION. GROUND METER PER UTILITY REQUIREMENTS.

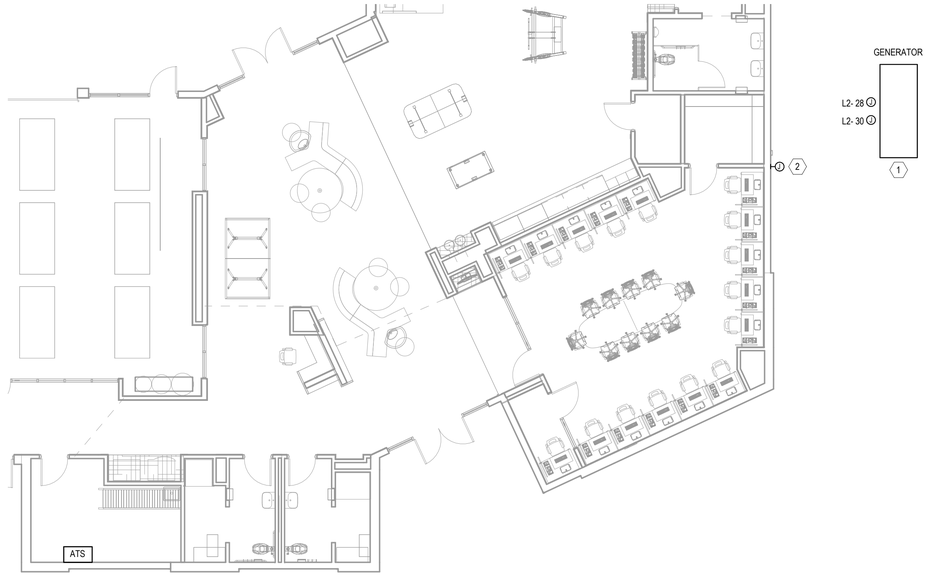
PROVIDE LABEL AT SERVICE ENTRANCE EQUIPMENT IDENTIFYING THE MAXIMUM AVAILABLE FAULT CURRENT PER NEC 110.24. A LABEL SHOULD ALSO IDENTIFY THE SOURCE OF SUPPLY FOR EACH PANEL PER NEC 408.4

XX,XXX — REPRESENTS THE AVAILABLE FAULT CURRENT IN RMS SYMMETRICAL AMPERES AT THE RESPECTIVE TRANSFORMER, PANELBOARD, OR EQUIPMENT. CONFIRM ACTUAL NUMBERS FROM UTILITY ONCE SERVICE HAS BEEN PLANNED AND ADJUST EQUIPMENT AIC RATINGS ACCORDINGLY.

FAULT CURRENT CALCULATIONS ARE BASED ON AVAILABLE FAULT CURRENT OF 15,000 AMPS AT SECONDARY TERMINALS OF TRANSFORMER USING AN INFINITE PRIMARY AND ASSUMED TRANSFORMER RATINGS.



2 ELECTRICAL ONE-LINE DIAGRAM - GENERATOR / ATS ADD ALTERNATE
NTS



1 GENERATOR / ATS ADD ALTERNATE PLAN
1/8" = 1'-0"

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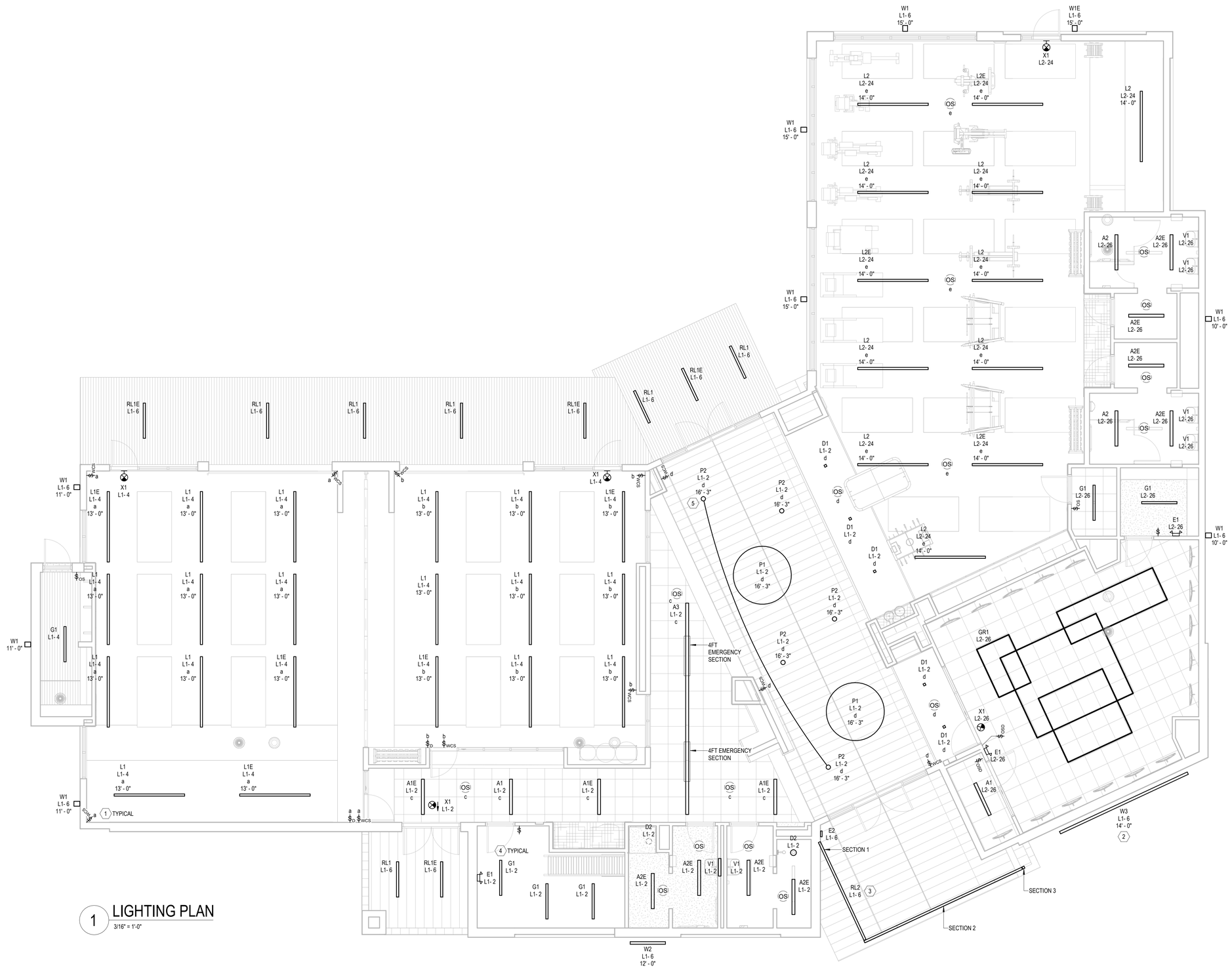
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GENERATOR AND ATS ADD ALTERNATE PLANS

E1.GA

2026 AUGUST 28



1 LIGHTING PLAN
3/16" = 1'-0"

KEYNOTES:

1 DUAL TECHNOLOGY WALL / CORNER SENSOR. MOUNT AT +10FT-0IN AFF IN ORIENTATION SHOWN.

2 AIM FIXTURE TO ILLUMINATE BUILDING SIGNAGE

3 TYPE RL2 FIXTURE IS A CONTINUOUS FIXTURE THAT WRAPS THE ENTRANCE CANOPY AND WALL. SECTION 1 IS HORIZONTAL LENGTH OF 12FT-3IN. SECTION 2 IS HORIZONTAL LENGTH OF 19FT-0IN. SECTION 3 IS VERTICAL LENGTH OF 7FT-0IN. REMOTE MOUNT DRIVER IN AN INTERIOR CONCEALED AND ACCESSIBLE LOCATION.

4 SET FIXTURE TO 3500K CCT AND MEDIUM LUMEN SETTING

5 CONNECT INDICATED LIGHT FIXTURES TO ONLINE POWER REI-100 NANO INVERTER. LOCATE INVERTER IN CONCEALED AND ACCESSIBLE LOCATION.

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LIGHTING PLAN

E2.1

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PANELBOARD: MDP

NEW

LOCATION:
SUPPLY FROM:
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 208/120V-3PH,4W
PHASES: 3
WIRES: 4

A.I.C. RATING: FULLY (7)
MAINS TYPE: M.L.O.
MAINS RATING: 600 A
REQUIREMENTS: GROUND BAR

NOTES:
PROVIDE INTEGRAL SURGE SUPPRESSION PER SPECIFICATIONS

CKT	Circuit Description	Trip	Poles	Wire	A (kVA)		B (kVA)		C (kVA)		Wire	Poles	Trip	Circuit Description	CKT
1	PDX-1	110	3	2	10.69	5.66						3	100	L1 (8)	2
3	--	--	--	--			10.69	3.53			--	--	--	--	4
5	--	--	--	--					10.69	2.30	--	--	--	--	6
7	PDX-2	70	3	6	5.76	11.01						3	100	L2 (8)	8
9	--	--	--	--			5.76	8.53			--	--	--	--	10
11	--	--	--	--					5.76	11.83	--	--	--	--	12
13	PDX-3	70	3	6	5.76	--					--	1	--	SPACE	14
15	--	--	--	--			5.76	--			--	1	--	SPACE	16
17	--	--	--	--					5.76	--	--	1	--	SPACE	18
19	PDX-4	50	3	8	4.20	--					--	1	--	SPACE	20
21	--	--	--	--			4.20	--			--	1	--	SPACE	22
23	--	--	--	--					4.20	--	--	1	--	SPACE	24
25	SPACE	--	1	--	--	--					--	1	--	SPACE	26
27	SPACE	--	1	--			--	--			--	1	--	SPACE	28
29	SPACE	--	1	--					--	--	--	1	--	SPACE	30
		Total Load:			43092 VA		38480 VA		40550 VA						
		Total Amps:			362 A		321 A		341 A						

Load Classification	Connected Load	Demand Factor	Demanded Load	Panel Totals	
HVAC	86755 VA	100.00%	86755 VA		
LIGHTS	5406 VA	125.00%	6758 VA	**Total Conn. Load:**	122121 VA
Lighting	0 VA	0.00%	0 VA	**Total Feeder Load:**	115743 VA
NON-CONTINUOUS	4500 VA	100.00%	4500 VA	**Total Connected Current:**	339 A
RECEPTS	25460 VA	69.64%	17730 VA	**Total Feeder Current:**	321 A

PANELBOARD NOTES (#)

NOTE IS IN CIRCUIT DESCRIPTION IN PARENTHESIS

1.	TERMINATE GROUND ON ISOLATED GROUND BUS.
2.	INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-OFF FOR MAINTENANCE).
3.	INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-ON FOR CRITICAL LOAD).
4.	GFI BREAKER FOR PERSONNEL PROTECTION (5 mA).
5.	GFI BREAKER FOR EQUIPMENT PROTECTION (30 mA).
6.	CONDUCTOR SIZE SHOWN IN PANEL SCHEDULE HAS BEEN INCREASED FOR VOLTAGE DROP. SIZE EQUIPMENT GROUNDING CONDUCTOR PROPORTIONALLY PER NEC. REFERENCE GROUND WIRE SIZING CHART.
7.	REFER TO ONE-LINE DIAGRAM FOR AVAILABLE FAULT CURRENT FOR INTERRUPT RATINGS.
8.	REFER TO ONE-LINE DIAGRAM FOR WIRE SIZES.
9.	FACTORY WIRED TO LOAD.
10.	THRU CONTACTOR FOR TIMED CONTROL.
11.	LOAD IS EXISTING TO REMAIN.
12	SHUNT TRIP BREAKER
13	EXISTING LOAD IS RELOCATED TO NEW PANEL
(E)	EXISTING TO REMAIN
(N)	NEW CIRCUIT

EP ONE-LINE FEEDER SCHEDULE

(XX-X)

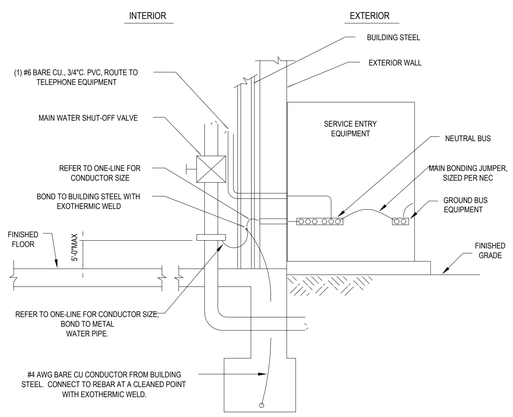
FEEDER TYPE	COPPER FEEDER	ALUMINIMUM FEEDER
100-4	1 - 1 1/4"C, 4#3, 1#8GR	(N/A)
400-4	2 - 2"C, 4#3/0, 1#3GR EACH	(2 - 2 1/2"C, 4-250KCMIL AL, 1#1AL GR EACH)
600-4	2 - 3"C, 4-350KCMIL, 1#1GR EACH	(2 - 3"C, 4-500KCMIL AL, 1#2/0AL GR EACH)
S620-4	2 - 3"C, 4-350KCMIL EACH	(2 - 3"C, 4-500KCMIL AL EACH)

CONDUIT SIZED BASED ON CONDUCTOR PROPERTIES LISTED IN THE CURRENT NEC EDITION, CHAPTER, 9, TABLES 5 AND 5A, AND CONDUIT AREAS LISTED CHAPTER 9, TABLE 4 FOR EMT WITH 40% FILL. OTHER CONDITIONS MAY REQUIRE A LARGER CONDUIT, SUCH AS UNDERGROUND PVC, SIZED FOR NEC.

COORDINATE LUG SIZE, TYPE, AND AMOUNT WITH EQUIPMENT MANUFACTURER PRIOR TO FEEDER INSTALLATION.

GROUND WIRE SIZING CHART

BRKR AMPS		WIRE SIZE				
15-20	PHASE	12	10	8	6	4
	GROUND	12	10	8	6	4
25-30	PHASE	10	8	6	4	3
	GROUND	10	8	6	4	3
35-50	PHASE	8	6	4	3	2
	GROUND	10	8	4	4	4
60	PHASE	6	4	3	2	1
	GROUND	10	6	6	4	4
70	PHASE	6	4	3	2	1
	GROUND	8	4	4	3	2
80-90	PHASE	4	3	2	1	1/0
	GROUND	8	6	4	4	3
100	PHASE	3	2	1	1/0	2/0
	GROUND	8	6	4	4	3
PER NEC 250.122(B)						



Notes:

1. GROUNDING ELECTRODE SYSTEM INSTALLATION SHALL BE IN STRICT COMPLIANCE WITH LOCAL CODES AND/OR AUTHORITY HAVING JURISDICTION.
2. EXTERIOR SWITCHGEAR SHOWN AS AN EXAMPLE AND MAY NOT APPLY. SAME WIRING SHALL APPLY TO INTERIOR SWITCHGEAR OR SERVICE ENTRY EQUIPMENT.

3 GROUNDING ELECTRODE DETAIL
NTS

EQUIPMENT LABELS

ALL SWITCHBOARDS AND PANELBOARDS SHALL HAVE A LABEL APPLIED TO WARN OF POTENTIAL ARC FLASH HAZARDS, REFER TO ARC FLASH DETAIL.

WARNING

ARC FLASH AND SHOCK HAZARD. APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIRED.

NOTES:

A. ALL SWITCHBOARDS AND PANELBOARDS SHALL HAVE A COMMERCIALLY PRODUCED PERMANENT LABEL APPLIED, SIMILAR TO THE ABOVE, TO WARN OF POTENTIAL ARC FLASH HAZARDS, IN ACCORDANCE WITH NEC 110.16 AND NFPA 70E.

B. LABELING MAY BE COMPLETED BY EQUIPMENT MANUFACTURER, EQUIPMENT VENDOR/SUPPLIER, OR THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THAT ALL SWITCHBOARDS AND PANELBOARDS ARE PROPERLY LABELED IN THE FIELD.

2 ARC FLASH DETAIL
NTS

NEW UTILITY TRANSFORMER
208/120V, 3PH, 4W

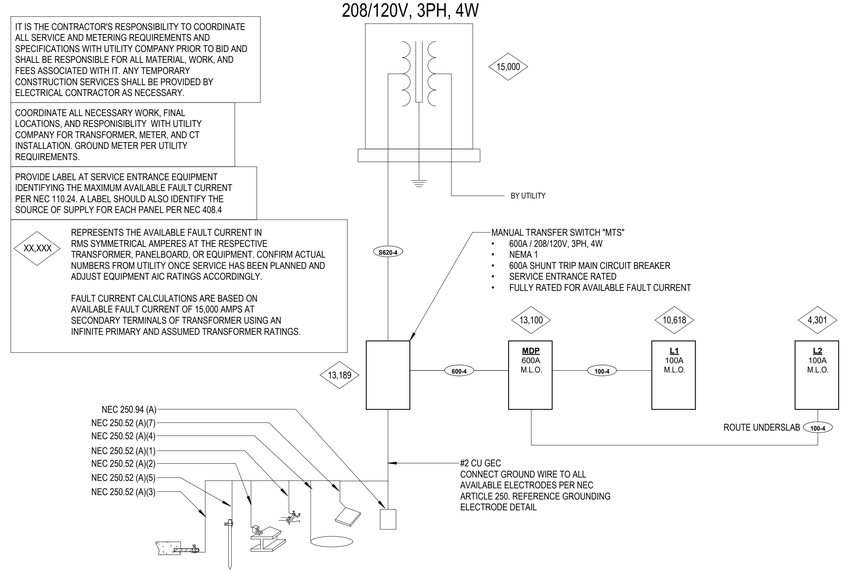
IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL SERVICE AND METERING REQUIREMENTS AND SPECIFICATIONS WITH UTILITY COMPANY PRIOR TO BID AND SHALL BE RESPONSIBLE FOR ALL MATERIAL, WORK, AND FEES ASSOCIATED WITH IT. ANY TEMPORARY CONSTRUCTION SERVICES SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR AS NECESSARY.

COORDINATE ALL NECESSARY WORK, FINAL LOCATIONS, AND RESPONISIBLITY WITH UTILITY COMPANY FOR TRANSFORMER, METER, AND CT INSTALLATION. GROUND METER PER UTILITY REQUIREMENTS.

PROVIDE LABEL AT SERVICE ENTRANCE EQUIPMENT IDENTIFYING THE MAXIMUM AVAILABLE FAULT CURRENT PER NEC 110.24. A LABEL SHOULD ALSO IDENTIFY THE SOURCE OF SUPPLY FOR EACH PANEL PER NEC 408.4

XX,XXX — REPRESENTS THE AVAILABLE FAULT CURRENT IN RMS SYMMETRICAL AMPERES AT THE RESPECTIVE TRANSFORMER, PANELBOARD, OR EQUIPMENT. CONFIRM ACTUAL NUMBERS FROM UTILITY ONCE SERVICE HAS BEEN PLANNED AND ADJUST EQUIPMENT AIC RATINGS ACCORDINGLY.

FAULT CURRENT CALCULATIONS ARE BASED ON AVAILABLE FAULT CURRENT OF 15,000 AMPS AT SECONDARY TERMINALS OF TRANSFORMER USING AN INFINITE PRIMARY AND ASSUMED TRANSFORMER RATINGS.



1 ELECTRICAL ONE-LINE DIAGRAM
NTS

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2026 AUGUST 28

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CLIENT

ARKANSAS SCHOOL FOR MATHEMATICS, SCIENCES & THE ARTS
ALUMNI HALL & NEW CHARTER FIELDHOUSE
(TBD) ALUMNI LANE
HOT SPRINGS, AR 71901

PROJECT INFORMATION

revisions No.	Description	Date

project # AR26-0001
date 2026 AUGUST 28
director review

ELECTRICAL ONE-LINE DIAGRAM AND SCHEDULES

E3.0

2026 AUGUST 28

PANELBOARD: L1

NEW

LOCATION:
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 208/120V-3PH,4W
PHASES: 3
WIRES: 4

A.I.C. RATING: FULLY (7)
MAINS TYPE: M.L.O.
MAINS RATING: 100 A
REQUIREMENTS: GROUND BAR

NOTES:

CKT	Circuit Description	Trip	Poles	Wire	A (kVA)		B (kVA)		C (kVA)		Wire	Poles	Trip	Circuit Description	CKT
1	EUH-1	20	2	12	1.50	1.28					12	1	20	LIGHTING - LOBBY/COR/RR/JAN/ELEC	2
3	--	--	--	--			1.50	0.77			12	1	20	LIGHTING - MULTIPURPOSE/STORAGE	4
5	WATER HEATER	20	1	12					0.18	1.44	12	1	20	LIGHTING - EXTERIOR (10)	6
7	RECEPTS MULTIPURPOSE 2	20	1	12	1.26	0.00					--	1	20	SPARE	8
9	RECEPTS MULTIPURPOSE 1	20	1	12			1.08	0.00			--	1	20	SPARE	10
11	FACP (2)	20	1	12					0.50	0.00	--	1	20	SPARE	12
13	RECEPTS JAN/ELECT/RR	20	1	12	1.08	--					--	1	--	SPACE	14
15	VENDING (4)	20	1	12			0.18	--			--	1	--	SPACE	16
17	VENDING (4)	20	1	12					0.18	--	--	1	--	SPACE	18
19	RECEPTS LOBBY	20	1	12	0.54	--					--	1	--	SPACE	20
21	SPARE	20	1	--			0.00	--			--	1	--	SPACE	22
23	SPARE	20	1	--					0.00	--	--	1	--	SPACE	24
25	SPARE	20	1	--	0.00	--					--	1	--	SPACE	26
27	SPACE	--	1	--			--	--			--	1	--	SPACE	28
29	SPACE	--	1	--					--	--	--	1	--	SPACE	30
31	SPACE	--	1	--	--	--					--	1	--	SPACE	32
33	SPACE	--	1	--			--	--			--	1	--	SPACE	34
35	SPACE	--	1	--					--	--	--	1	--	SPACE	36
37	SPACE	--	1	--	--	--					--	1	--	SPACE	38
39	SPACE	--	1	--			--	--			--	1	--	SPACE	40
41	SPACE	--	1	--					--	--	--	1	--	SPACE	42
		Total Load:			5658 VA		3532 VA		2304 VA						
		Total Amps:			49 A		31 A		19 A						

Load Classification	Connected Load	Demand Factor	Demanded Load	Panel Totals	
HVAC	3000 VA	100.00%	3000 VA		
LIGHTS	3494 VA	125.00%	4368 VA	**Total Conn. Load:**	11494 VA
Lighting	0 VA	0.00%	0 VA	**Total Feeder Load:**	12368 VA
NON-CONTINUOUS	500 VA	100.00%	500 VA	**Total Connected Current:**	32 A
RECEPTS	4500 VA	100.00%	4500 VA	**Total Feeder Current:**	34 A

PANELBOARD: L2

NEW

LOCATION:
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 208/120V-3PH,4W
PHASES: 3
WIRES: 4

A.I.C. RATING: FULLY (7)
MAINS TYPE: M.L.O.
MAINS RATING: 100 A
REQUIREMENTS: GROUND BAR

NOTES:

CKT	Circuit Description	Trip	Poles	Wire	A (kVA)		B (kVA)		C (kVA)		Wire	Poles	Trip	Circuit Description	CKT
1	CU-1 / DS-1	20	2	12	1.25	1.44					12	1	20	RECEPTS GYM	2
3	--	--	--	--			1.25	0.90			12	1	20	FLOORBOXES GYM	4
5	WATER HEATER	25	1	10					2.00	1.36	12	1	20	FLOORBOXES GYM	6
7	RECEPTS GYM	20	1	12	0.90	1.00					12	1	20	FLOORBOXES GYM	8
9	DRINKING FOUNTAIN (4)	20	1	12			0.18	1.00			12	1	20	FLOORBOXES GYM	10
11	COMPUTER STATION ESPORTS	20	1	12					0.72	1.18	12	1	20	FLOORBOXES GYM	12
13	COMPUTER STATION ESPORTS	20	1	12	0.90	1.00					12	1	20	FLOORBOXES GYM	14
15	COMPUTER STATION ESPORTS	20	1	12			0.72	1.00			12	1	20	FLOORBOXES GYM	16
17	COMPUTER STATION ESPORTS	20	1	12					0.72	1.00	12	1	20	FLOORBOXES GYM	18
19	COMPUTER STATION ESPORTS	20	1	12	0.72	1.00					12	1	20	FLOORBOXES GYM	20
21	COMPUTER STATION ESPORTS	20	1	12			0.72	0.18			12	1	20	CIRCULATION PUMP	22
23	COMPUTER STATION ESPORTS	20	1	12					0.90	0.69	12	1	20	LIGHTING - GYM	24
25	COMPUTER STATION ESPORTS	20	1	12	0.72	1.23					12	1	20	LIGHTING - ESPORTS/IT/STOR/RR	26
27	RECEPTS ESPORTS	20	1	12			0.72	1.00			12	1	20	GENERATOR HEATER	28
29	RECEPTS IT/DATA	20	1	12					0.36	1.00	12	1	20	GENERATOR BATTERY CHARGER	30
31	RECEPTS IT/DATA	20	1	12	0.36	0.00					--	1	20	SPARE	32
33	RECEPTS IT/DATA	20	1	12			0.36	0.00			--	1	20	SPARE	34
35	L5-30R RECEPT IT/DATA	30	1	10					1.00	0.00	--	1	20	SPARE	36
37	L5-20R RECEPT IT/DATA	20	2	12	0.50	--					--	1	--	SPACE	38
39	--	--	--	--			0.50	--			--	1	--	SPACE	40
41	RECEPTS RESTROOMS	20	1	12					0.90	--	--	1	--	SPACE	42
		Total Load:			11014 VA		8528 VA		11826 VA						
		Total Amps:			95 A		71 A		102 A						

Load Classification	Connected Load	Demand Factor	Demanded Load	Panel Totals	
HVAC	4496 VA	100.00%	4496 VA		
LIGHTS	1912 VA	125.00%	2390 VA	**Total Conn. Load:**	31368 VA
NON-CONTINUOUS	4000 VA	100.00%	4000 VA	**Total Feeder Load:**	26366 VA
RECEPTS	20960 VA	73.85%	15480 VA	**Total Connected Current:**	87 A
				Total Feeder Current:	73 A

PANELBOARD NOTES (#)

NOTE IS IN CIRCUIT DESCRIPTION IN PARENTHESIS

1.	TERMINATE GROUND ON ISOLATED GROUND BUS.
2.	INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-OFF FOR MAINTENANCE).
3.	INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-ON FOR CRITICAL LOAD).
4.	GFI BREAKER FOR PERSONNEL PROTECTION (5 mA).
5.	GFI BREAKER FOR EQUIPMENT PROTECTION (30 mA).
6.	CONDUCTOR SIZE SHOWN IN PANEL SCHEDULE HAS BEEN INCREASED FOR VOLTAGE DROP. SIZE EQUIPMENT GROUNDING CONDUCTOR PROPORTIONALLY PER NEC. REFERENCE GROUND WIRE SIZING CHART.
7.	REFER TO ONE-LINE DIAGRAM FOR AVAILABLE FAULT CURRENT FOR INTERRUPT RATINGS.
8.	REFER TO ONE-LINE DIAGRAM FOR WIRE SIZES.
9.	FACTORY WIRED TO LOAD.
10.	THRU CONTACTOR FOR TIMED CONTROL.
11.	LOAD IS EXISTING TO REMAIN.
12	SHUNT TRIP BREAKER
13	EXISTING LOAD IS RELOCATED TO NEW PANEL
(E)	EXISTING TO REMAIN
(N)	NEW CIRCUIT

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	DESCRIPTION	MANUFACTURER	MODEL	LOAD	VOLTAGE	COLOR TEMPERATURE	LAMP TYPE	LUMENS	MOUNTING TYPE
A1	4FT NARROW RECESSED	NULITE	RG4-D-FRFCL-06-L35-UNV-D-1-FINISH-4	18 VA	UNV	3500K	LED 0-10V DIMMING	2400	RECESSED
A1E	4FT NARROW RECESSED - EMERGENCY	NULITE	RG4-D-FRFCL-06-L35-UNV-D-1-B10-FINISH-4	18 VA	UNV	3500K	LED 0-10V DIMMING	2400	RECESSED
A2	NARROW RECESSED - FLANGE	NULITE	RF4-D-FRFCL-09-L35-UNV-D-1-FINISH-4	29 VA	UNV	3500K	LED 0-10V DIMMING	3600	RECESSED
A2E	NARROW RECESSED - FLANGE - EMERGENCY	NULITE	RF4-D-FRFCL-09-L35-UNV-D-1-B10-FINISH-4	29 VA	UNV	3500K	LED 0-10V DIMMING	3600	RECESSED
A3	24FT NARROW RECESSED W/ (2) 4FT EMERGENCY SECTIONS	NULITE	RG4-D-FRFCL-06-L35-UNV-D-1-B10-FINISH-24	108 VA	UNV	3500K	LED 0-10V DIMMING	14400	RECESSED
D1	3IN SQUARE DOWNLIGHT	LUMENWERX	AE3SR-TRM-SW-OF-ASB-UNV-10W-D1-NA AE3SRB-SW-10W-50DEG-2STP-90CRI-35K-NA-TRM-FDL-FINISH-FINISH-NA	10 VA	UNV	3500K	LED 0-10V DIMMING	1132	RECESSED
D2	6IIN DOWNLIGHT - SHOWER	COOPER HALO	HC610D010 HM60525835 61PSMDW	10 VA	UNV	3500K	LED 0-10V DIMMING	1000	RECESSED
E1	EMERGENCY LIGHT	COOPER SURELITES	SEL25	2 VA	UNV	N/A	LED	N/A	SURFACE
E2	EMERGENCY LIGHT - EXTERIOR	COOPER SURELITES	SELW25	2 VA	UNV	N/A	LED	N/A	SURFACE
G1	4FT STRIP	COOPER METALUX	4SLSTPSLC-UNV	48 VA	UNV	SELECTABLE	LED 0-10V DIMMING	SELECTABLE	SURFACE
GR1	GRID LIGHTING SYSTEM - STANDARD LIGHT OUTPUT - REFER TO LIGHTING PLAN FOR CONFIGURATION	PRECISE LED	ZNLT-GRID-15/16-LENGTH-GDBM-24V-90C-35L-DLNS-Z0-[BLACK FINISH]	896 VA	UNV	3500K	LED 0-10V DIMMING	280/FT	SURFACE
L1	8FT SUSPENDED DIRECT LINEAR	NULITE	RP44-D-FRFCL-06-L35-UNV-D-1-FINISH-SR-FINISH-048-8	36 VA	UNV	3500K	LED 0-10V DIMMING	4800	SUSPENDED
L1E	8FT SUSPENDED DIRECT LINEAR	NULITE	RP44-D-FRFCL-06-L35-UNV-D-1-B10-FINISH-SR-FINISH-048-8	36 VA	UNV	3500K	LED 0-10V DIMMING	4800	SUSPENDED
L2	8FT SUSPENDED DIRECT LINEAR	NULITE	RP44-D-FRFCL-09-L35-UNV-D-1-FINISH-SR-FINISH-048-8	57 VA	UNV	3500K	LED 0-10V DIMMING	7200	SUSPENDED
L2E	8FT SUSPENDED DIRECT LINEAR	NULITE	RP44-D-FRFCL-09-L35-UNV-D-1-B10-FINISH-SR-FINISH-048-8	57 VA	UNV	3500K	LED 0-10V DIMMING	7200	SUSPENDED
P1	RING PENDANT - MOD NO ACOUSTIC	LUMINART	L03S200DI-FINISH-NO ACOUSTIC PANEL-3500-120V	153 VA	UNV	3500K	LED 0-10V DIMMING	19125	SUSPENDED
P2	72IN CYLINDER PENDANT - HIGH LUMEN	IMPACT LIGHTING	P9472.LV-35-HI-NDL-12FT-CDVR	88 VA	UNV	3500K	LED 0-10V DIMMING	8375	SUSPENDED
RL1	RECESSED LINEAR	NULITE	RXT-F-D-FF-09-L40-UNV-D-1-FINISH-4	41 VA	UNV	4000K	LED 0-10V DIMMING	3600	RECESSED
RL1E	RECESSED LINEAR - EMERGENCY	NULITE	RXT-F-D-FF-09-L40-UNV-D-1-B10-FINISH-4	41 VA	UNV	4000K	LED 0-10V DIMMING	3600	RECESSED
RL2	RECESSED LINEAR	LUMENWERX	V4SEALRPAT-D-IP65EC-EPDO-SW-80CRI-500LMF-40K-38FT3IN(1X12FT3IN-1 X19FT-1X7FT)-1LEV2C(A90)-1INN2C(A90)-UNV-RD1-1C-NA-TF-DTR-FINISH-C RF+TRGK	190 VA	UNV	4000K	LED 0-10V DIMMING	500/FT	RECESSED
V1	VANITY	NULITE	RW44-D-FRFCL-06-L35-UNV-D-1-FINISH-2	9 VA	UNV	3500K	LED 0-10V DIMMING	1200	WALL
W1	LED WALL FIXTURE - EXTERIOR	TRACLITE	WLZ3-SD-VS-CP-FINISH	80 VA	UNV	4000K	LED	13000	WALL
W1E	LED WALL FIXTURE - EXTERIOR - EMERGENCY	TRACLITE	WLZ3-SD-VS-CP-FINISH-CL	80 VA	UNV	4000K	LED	13000	WALL
W2	4FT LINEAR WALL DIRECT - ADJUSTABLE ARM MOUNT	NULITE	RXT-W-D-FF-09-L35-UNV-D-1-FINISH-AR-4	41 VA	UNV	4000K	LED 0-10V DIMMING	3600	ADJUSTABLE ARM MOUNT
W3	16FT LINEAR WALL DIRECT - ADJUSTABLE ARM MOUNT	NULITE	RXT-W-D-FF-09-L35-UNV-D-1-FINISH-AR-16	163 VA	UNV	4000K	LED 0-10V DIMMING	14500	ADJUSTABLE ARM MOUNT
X1	EXIT SIGN	COOPER SURELITES	EU SERIES	2 VA	UNV	N/A	LED	N/A	UNIVERSAL

ALL LIGHT FIXTURES ARE BASIS OF DESIGN. APPROVAL FROM OWNER REQUIRED PRIOR TO PURCHASING ANY LIGHT FIXTURE. IF ALTERNATE LIGHT FIXTURES ARE CHOSEN, THEY SHALL BE APPROVED BY ENGINEER AS WELL AS OWNER TO BE CONFIRMED AS AN ACCEPTABLE EQUAL. DISTANCES BETWEEN EMERGENCY LIGHTS MAY NEED TO BE REVISED IF DIFFERENT FIXTURE IS SELECTED THAN SHOWN. FOLLOW MANUFACTURER SPACING RECOMMENDATIONS FOR EMERGENCY FIXTURES. FINAL FINISH SELECTIONS TO BE APPROVED BY ARCHITECT.

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ELECTRICAL SCHEDULES

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