LITTLE ROCK
EYE CLINIC -
WEST

DESIGN DEVELOPMENT
04/30/2026

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REGISTERED ARCHITECTS
NO C-44
ARKANSAS

I HEREBY CERTIFY THAT THESE PLANS & SPECIFICATIONS HAVE BEEN PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION. I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, THESE PLANS & SPECIFICATIONS ARE AS REQUIRED BY LAW & IN COMPLIANCE WITH THE ARKANSAS FIRE PREVENTION CODE FOR THE STATE OF ARKANSAS.

JOHN GREER A.I.A. (REPLACE WITH WHOEVER IS SIGNING)

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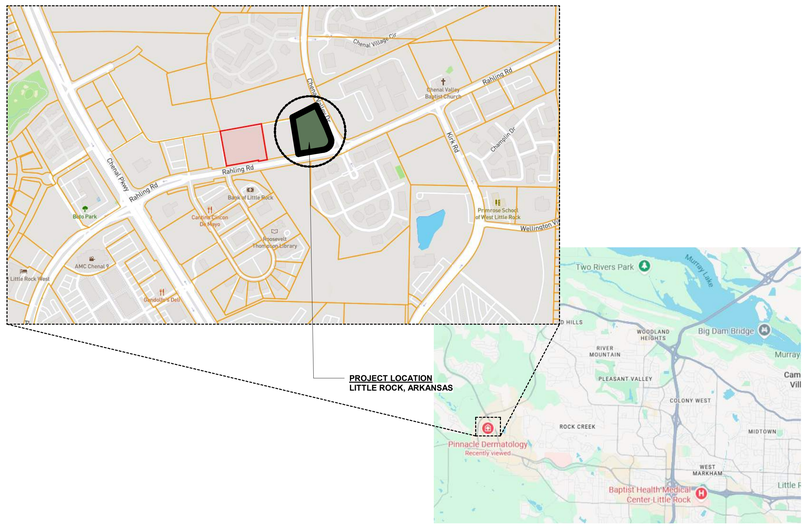

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Project Name
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BUILDING CODE ANALYSIS

PROJECT DESCRIPTION
2021 ARKANSAS FIRE PREVENTION CODE, VOLUME 1 (2021 IFC w/amendments)
2021 ARKANSAS FIRE PREVENTION CODE, VOLUME 2 (2021 IBC w/amendments)
2020 ARKANSAS NATIONAL ELECTRICAL CODE (2020 NFPA 70, NEC w/amendments)
2021 ARKANSAS MECHANICAL CODE (2021 IMC w/amendements)
2018 ARKANSAS PLUMBING CODE (2018 IPC w/amendments)
2018 ARKANSAS FUEL GAS CODE (2018 IFGC)
2014 ARKANSAS ENERGY CODE (2009 IECC)

1. OCCUPANCY CLASSIFICATION:
   - 1.1 MAIN OCCUPANCY: **BUSINESS; GROUP B** (SECTION 304)
   - 1.2 SECONDARY OCCUPATION: **N/A**
     BUILDING IS SPRINKLED

2. ALLOWABLE HEIGHTS AND AREAS:
   TYPE-IIB CONSTRUCTION

   CONSTRUCTION TYPE **IIB**
   - 2.1 ALLOWABLE HEIGHT: **(75 FT. (4 STORIES)** (TABLE 504.3)
   - 2.2 ALLOWABLE AREA PER FLOOR: **92,000 sq.ft.** (TABLE 506.2)
   - 2.3 HEIGHT MODIFICATIONS: **N/A**
   - 2.4 AREA MODIFICATIONS: **N/A**
   - 2.5 MAXIMUM ALLOWABLE BUILDING **92,000 sq.ft.**

3. ACTUAL BUILDING CHARACTERISTICS
   - 3.1 SQUARE FOOTAGE
     - 3.1.1 LITTLE ROCK EYE CLINIC: **10,615 sq.ft.**
       *(*MEASURED TO INSIDE FACE OF EXTERIOR WALL)* (SECTION 503.1)
     - 3.1.2 TENANT SPACE **5,765 sq.ft.**
       *(*MEASURED TO INSIDE FACE OF EXTERIOR WALL)* (SECTION 503.1)
   - 3.2 BUILDING HEIGHT: **18'-0"** (SECTION 503.1)

4. FIRE RESISTANCE RATINGS FOR BUILDING ELEMENTS **TYPE-2B CONSTRUCTION** (TABLE 601)
   - 4.1 STRUCTURAL FRAME **0 HR [RATED/NON-RATED]** (TABLE 601)
   - 4.2 BEARING WALLS
     - 4.2.1 EXTERIOR **0 HR [RATED/NON-RATED]** (TABLE 601)
     - 4.2.2 INTERIOR **0 HR [RATED/NON-RATED]** (TABLE 601)
   - 4.3 EXTERIOR NON-BEARING WALLS & PARTITIONS **0 HR [RATED/NON-RATED]** (TABLE 705.5)
   - 4.4 INTERIOR NON-BEARING WALLS & PARTITIONS **0 HR [RATED/NON-RATED]** (TABLE 601)
   - 4.5 FLOOR CONSTRUCTION **0 HR [RATED/NON-RATED]** (TABLE 601)
   - 4.6 ROOF CONSTRUCTION **0 HR [RATED/NON-RATED]** (TABLE 601)

5. FIRE RESISTANCE RATING OF EXTERIOR WALLS** (TABLE 705.5 & 705.8 AND SECTION 705.8)
   *(**SEE TABLES FOR CONSTRUCTION TYPES AND OCCUPANCY TYPES)*
   - 5.1 NORTH WALL **> 30FT TO ASSUMED PROPERTY LINE 0 HR - NO LIMIT ON UNPROTECTED OPENINGS**
   - 5.2 SOUTH WALL **> 30FT TO ASSUMED PROPERTY LINE 0 HR - NO LIMIT ON UNPROTECTED OPENINGS**
   - 5.3 WEST WALL **> 30FT TO ASSUMED PROPERTY LINE 0 HR - NO LIMIT ON UNPROTECTED OPENINGS**
   - 5.4 EAST WALL **> 30FT TO ASSUMED PROPERTY LINE 0 HR - NO LIMIT ON UNPROTECTED OPENINGS**

6. GENERAL MEANS OF EGRESS REQUIREMENTS
   - 6.1 OCCUPANCY COUNT (VARIES) (TABLE 1004.5)
     - 6.1.1 BUSINESS AREAS PINNACLE DERMATOLOGY **(10,615 SF @ 150 SF/PERSON GROSS)**
       OCCUPANTS: **71**
     - 6.1.2 BUSINESS AREAS FUTURE TENANT (SHELL SPACE) **(5,765 SF @ 150 SF/PERSON GROSS)**
       OCCUPANTS: **39**

   TOTAL BUILDING OCCUPANCY:
   - 6.2 MAXIMUM DISTANCE OF TRAVEL: **SPRINKLED 300 FT** (TABLE 1017.2)
   - 6.3 EGRESS WIDTH PER OCCUPANT
     - 6.3.1 STAIRWAYS: **0.3" / OCCUPANT** (SECTION 1005.3.1)
     - 6.3.2 OTHER EGRESS COMPONENTS: **0.2" / OCCUPANT** (SECTION 1005.3.2)
   - 6.4 CORRIDOR FIRE-RESISTANCE RATING: **NON-RATED - 0 HR** (TABLE 1020.2)
   - 6.5 MAXIMUM DEAD-END CORRIDOR: **50 FT.** (SECTION 1020.5)
   - 6.6 MAXIMUM OCCUPANCY LOAD WITH ONE MEANS OF EGRESS: **49** (TABLE 1006.2.1)

LIFE SAFETY LEGEND

- I HOUR WALL
- 2 HOUR WALL
- FEC — FIRE EXTINGUISHER CABINET
- 000 — DOOR OPENING CAPACITY
- 000 — EXITING OCCUPANTS
- MAX TRAVEL DISTANCE
- EXIT SIGN - HATCH INDICATES DIRECTION

F14 LIFE SAFETY PLAN
1/8" = 1'-0"

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DESIGN DEVELOPMENT

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NO.	ISSUE	DATE

LREYEC26.00
JOB NO.

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LIFE SAFETY PLAN
TITLE

G101
SHEET NO.

Project Name
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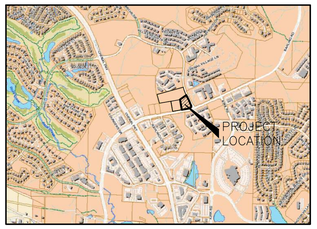


VICINITY MAP
(1"=2000')

LEGEND

○	FOUND AS NOTED
●	SET 1/2" IRON PIN
WV	WATER VALVE
FH	FIRE HYDRANT
W	WATER METER
RPZ	RPZ
T	ELECTRIC TRANSFORMER
E	ELECTRIC BOX
FO	FIBER-OPTIC SIGN
G	GAS METER
GM	BURIED GAS MARKER
PP	POWER POLE
GW	GUY WIRE
LP	LIGHT POLE
GL	GROUND LIGHT
BP	BOLLARD POLE
S	SANITARY SEWER MANHOLE
D	DRAINAGE MANHOLE
C	SEWER OR DRAIN CLEAN-OUTS
T	TELEPHONE RISER
TS	TELEPHONE SIGN
C	CABLE RISER
JB	JUNCTION BOX-DRAINAGE
CI	CURB INLET-DRAINAGE
GI	GRATE INLET-DRAINAGE
rcp	REINFORCED CONCRETE PIPE
cmp	CORRUGATED METAL PIPE
	SIGN
	HANDICAP PARKING
H.C.	HANDICAP RAMP
	CONCRETE
	CHAIN LINK FENCE
	WOOD FENCE
	OVERHEAD POWER
	(UG) UNDERGROUND ELECTRIC
	(UG) UNDERGROUND GAS
	(UG) UNDERGROUND FIBER OPTIC
	(UG) UNDERGROUND TELEPHONE
	(UG) UNDERGROUND WATER
	(UG) UNDERGROUND SEWER

NOTES:

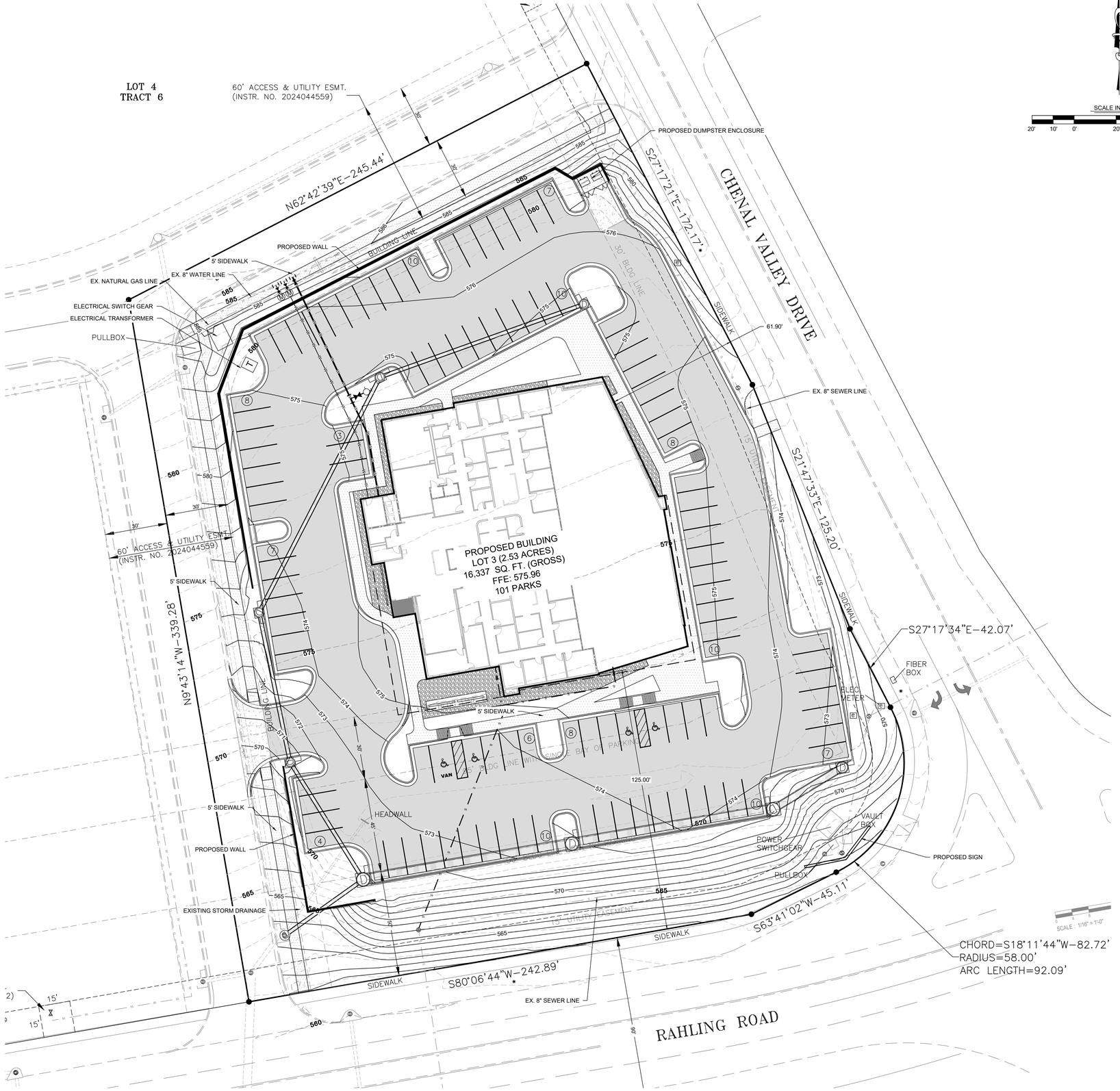
1. ADDRESS OF PROPERTY: 1400 RAHLING RD.
2. BASIS OF BEARINGS:ARKANSAS STATE PLANE COORDINATE SYSTEM NORTH ZONE, NAD 83
3. AREA OF PROPERTY: 110,202 S.F. / ±2.53 ACRES
4. ZONING OF PROPERTY: C-3
5. UTILITIES ARE SHOWN PER OBSERVED EVIDENCE TOGETHER WITH EVIDENCE FROM PLANS OBTAINED FROM UTILITY COMPANIES. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED.
6. TOTAL PARKING PROVIDED: 108 SPACES
   STANDARD ADA ACCESSIBLE: 3 SPACES
   ADA VAN ACCESSIBLE: 1 SPACES
   STANDARD: 104 SPACES

FLOOD INFORMATION:

NO PORTION OF THIS PROPERTY IS LOCATED WITHIN THE 100 YEAR FLOOD BOUNDARY, AS SHOWN ON THE FLOODWAY, FLOOD BOUNDARY AND FLOOD INSURANCE WORK MAP FOR LITTLE ROCK, ARKANSAS. THIS PROPERTY IS IN ZONE X. (FIRM COMMUNITY PANEL # 05119C0314H, JUNE 7, 2019)

LEGAL DESCRIPTION

LOT 3, TRACT 6, CHENAL VALLEY, AS RECORDED IN INSTRUMENT NO. 2024044559; RECORDS OF PULASKI COUNTY CIRCUIT CLERK



SCALE IN FEET
20' 10' 0' 20' 40' 60'

SCALE : 1/16" = 1'-0"

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LITTLE ROCK EYE CLINIC - WEST

DESIGN DEVELOPMENT

STATE OF ARKANSAS JOE D. WHITE JR. REGISTERED PROFESSIONAL ENGINEER No. 7094
NOT FOR CONSTRUCTION

NO.	ISSUE	DATE

LREYEC26.00
JOB NO.

04/30/2026
DATE

SITE PLAN

TITLE

C100

SHEET NO.

CERTIFICATE OF AUTHORIZATION JOE WHITE & ASSOCIATES, INC. #3871 ARKANSAS - ENGINEER

JOE WHITE & ASSOCIATES, INC.
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PHONE: (501) 214-9141

PROJECT NUMBER: 25-157L | SCALE: 1"=20'

Project Name
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EROSION CONTROL LEGEND

- CWOA — CONCRETE WASH-OUT AREA
- EMS — EQUIPMENT MATERIAL STORAGE
- CS — CHEMICAL STORAGE (FUEL TANK LOCATION)
- THMC — TEMPORARY HAZARDOUS MATERIAL CONTAINER
- SDL — SOLID DUMPSTER LOCATION
- PAP — PORT-A-POTTY LOCATION
- SILT FENCE
- SILT FENCE AROUND INLET
- STORM FLOW ARROW
- CONSTRUCT DITCH

Erosion Control Notes:

1. Contractor shall obtain all permits required from ADEQ and City of Little Rock regarding runoff, erosion control, and grading before beginning construction.

2. Contractor shall post storm water pollution prevention plan.

3. All erosion & sediment control devices shall be maintained and occasionally replaced throughout the construction process.

4. All erosion and sediment control devices shall be installed before construction begins. Those items shall remain in place until all excavation is complete.

5. For Erosion Control, stake Silt Fence in place prior to construction.

6. Erosion control measure such as irrigation, mulch, or tackifiers shall be used to minimize dust generation during construction activities.

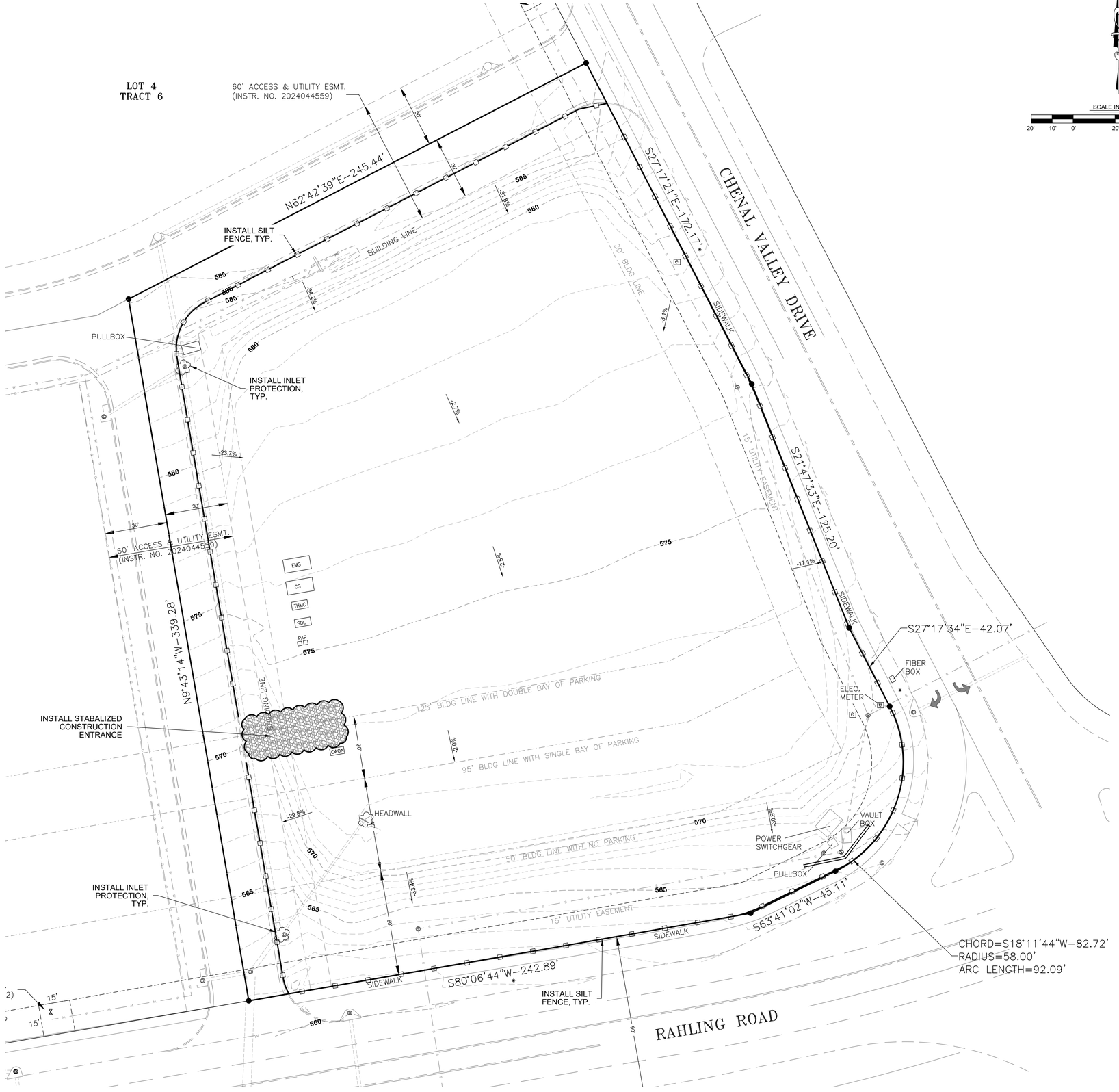
7. Inlet protection shall be installed at all existing inlets within 200' of project area .

8. All disturbed areas shall be Fertilized, Seeded and Mulched (or Landscaped) as soon as practical.

9. The Contractor shall be responsible for filing a Notice of Intent and a Storm water Pollution Prevention Plan as required by ADEQ. All permits shall be acquired prior to the start of construction.

10. The Contractor shall modify, supplement or alter the erosion control measures shown on the Erosion Control Plan as necessary to control storm water runoff during the various stages of construction & comply with the SWPPP as approved by ADEQ.

11. Property Acreage: 2.53 Acres +/-
Disturbed Acreage: = 2.29 Acres +/-.



SCALE IN FEET
20' 10' 0' 20' 40' 60'

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NOT FOR CONSTRUCTION

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EROSION CONTROL PLAN - PHASE I

TITLE

C200

SHEET NO.

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JOE WHITE & ASSOCIATES, INC.
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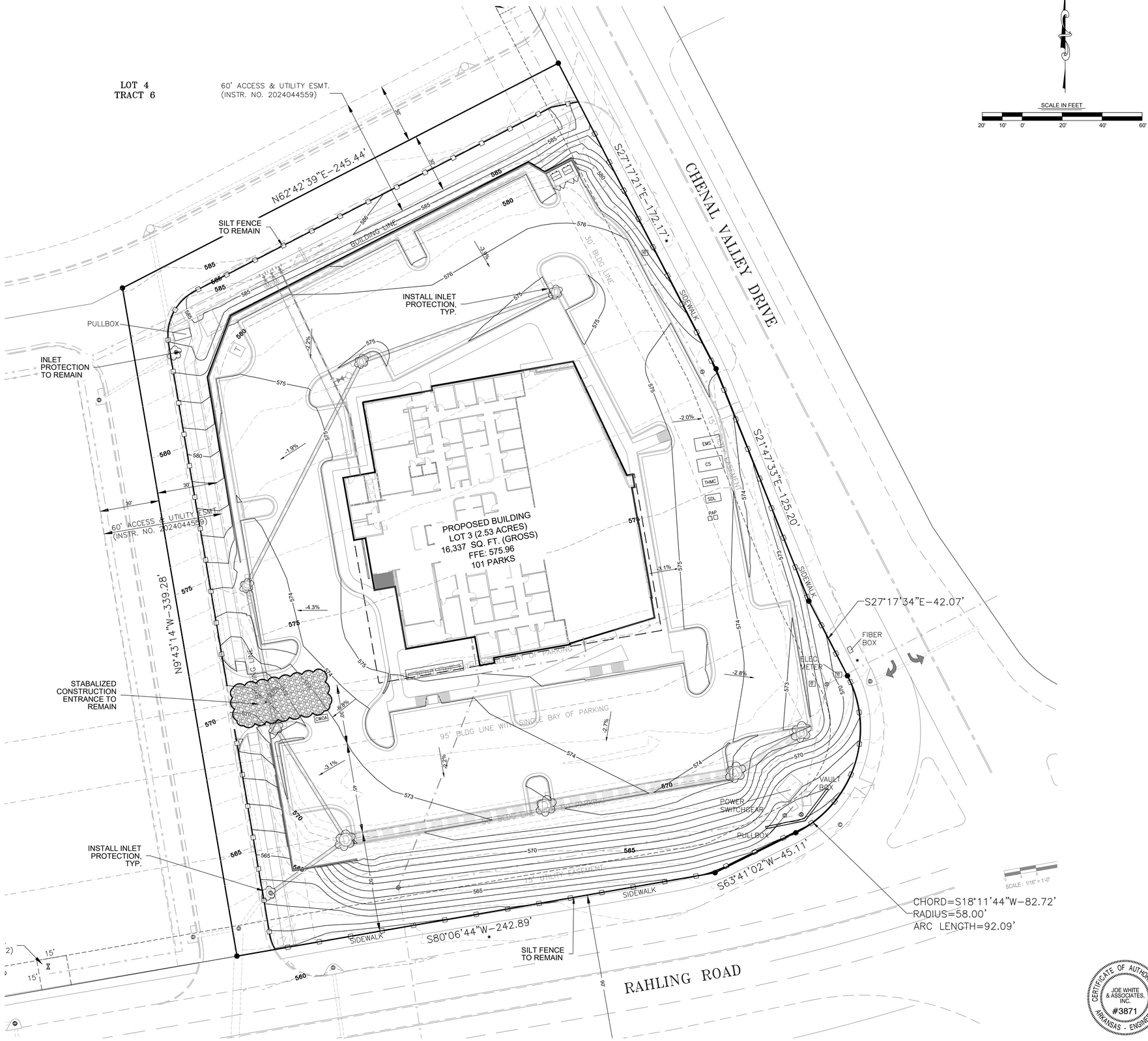

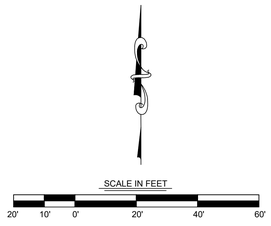

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04/30/2026
DATE

EROSION CONTROL PLAN-PHASE II

TITLE

C210

SHEET NO.

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- PAP — PORT-A-POTTY LOCATION
- SILT FENCE
- SILT FENCE AROUND INLET
- STORM FLOW ARROW
- CONSTRUCT DITCH

Erosion Control Notes:

1. Contractor shall obtain all permits required from ADEQ and City of Little Rock regarding runoff, erosion control, and grading before beginning construction.

2. Contractor shall post storm water pollution prevention plan.

3. All erosion & sediment control devices shall be maintained and occasionally replaced throughout the construction process.

4. All erosion and sediment control devices shall be installed before construction begins. Those items shall remain in place until all excavation is complete.

5. For Erosion Control, stake Silt Fence in place prior to construction.

6. Erosion control measure such as irrigation, mulch, or tackifiers shall be used to minimize dust generation during construction activities.

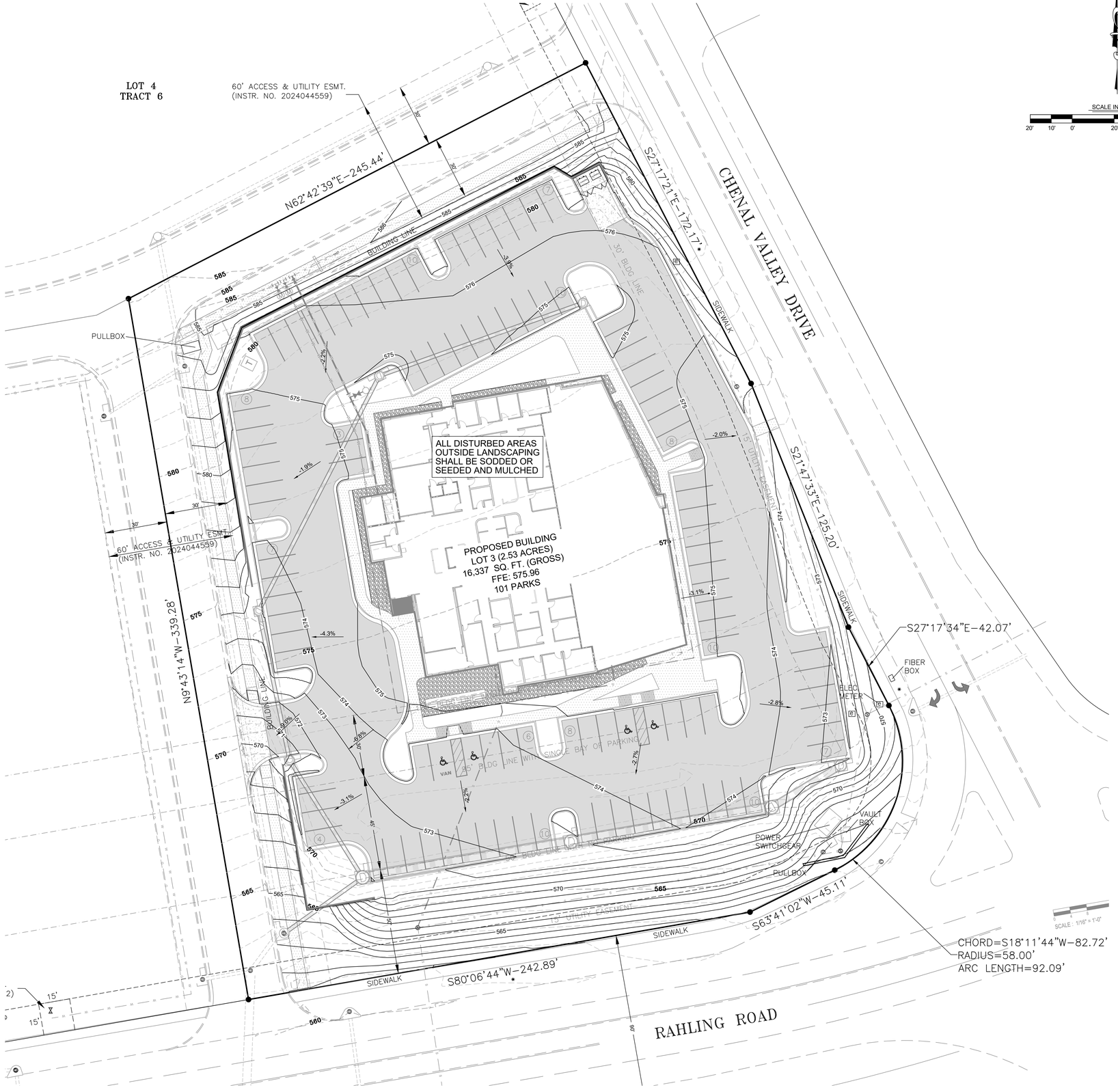
7. Inlet protection shall be installed at all existing inlets within 200' of project area .

8. All disturbed areas shall be Fertilized, Seeded and Mulched (or Landscaped) as soon as practical.

9. The Contractor shall be responsible for filing a Notice of Intent and a Storm water Pollution Prevention Plan as required by ADEQ. All permits shall be acquired prior to the start of construction.

10. The Contractor shall modify, supplement or alter the erosion control measures shown on the Erosion Control Plan as necessary to control storm water runoff during the various stages of construction & comply with the SWPPP as approved by ADEQ.

11. Property Acreage: 2.53 Acres +/-
Disturbed Acreage: = 2.29 Acres +/-.



SCALE IN FEET
20' 10' 0' 20' 40' 60'

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LITTLE ROCK EYE CLINIC - WEST

DESIGN DEVELOPMENT

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 7094 JOE D. WHITE, JR.
NOT FOR CONSTRUCTION

NO.	ISSUE	DATE

LREYEC26.00
JOB NO.

04/30/2026
DATE

EROSION CONTROL PLAN- PHASE III

TITLE

C220

SHEET NO.

CERTIFICATE OF AUTHORIZATION — JOE WHITE & ASSOCIATES, INC. #3871 — ARKANSAS ENGINEER

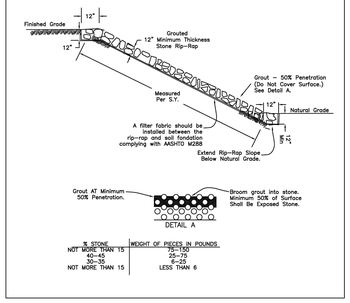
JOE WHITE & ASSOCIATES, INC.
CIVIL ENGINEERING - CONSULTING SERVICES - LAND SURVEYING
25 RAHLING CIRCLE, SUITE A-2 LITTLE ROCK, ARKANSAS 72223
PHONE: (501) 214-9141

PROJECT NUMBER: 25-157L | SCALE: 1"=20'

Autodesk Docs://Little Rock Eye Clinic - West/Little Rock Eye Clinic - Central_V25.rvt

PW-60 — GROUTED RIP-RAP EMBANKMENT DETAILS

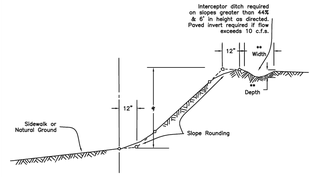
Issue Date: AUG. 2006 | Revision Date: APR 2015



% STONE	WEIGHT OF PIECES IN POUNDS
NOT MORE THAN 15	75–150
40–45	25–75
30–35	6–25
NOT MORE THAN 15	LESS THAN 6

PW-61 — SLOPE ROUNDING DETAIL

Issue Date: AUG. 2006 | Revision Date: APR 2015



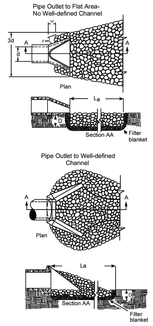
SLOPE ROUNDING
(TYPICAL ON ALL CUT OR FILL SLOPES)

* Maximum height 15'–0" unless midheight 10' terraces utilized according to Section 29 of Little Rock Code of Ordinances.

** INTERCEPTOR DITCH SIZE SHALL BE DETERMINED BY ENGINEER

PW-62 — END SECTION RIP RAP PLACEMENT

Issue Date: AUG. 2006 | Revision Date: APR 2015



Notes

1. L_a is the length of the riprap apron. Please see design plans for length.
2. $D = 1.5$ times the maximum stone diameter but not less than 6".
3. In a well-defined channel extend the apron up the channel banks to an elevation of 6" above the maximum tailwater depth of to the top of the bank, whichever is less.
4. A filter blanket or filter fabric should be installed between the riprap and soil foundation complying with AASHTO M288.
5. Please see detail PW-60 for grouting.

PW-63 — SILT FENCE

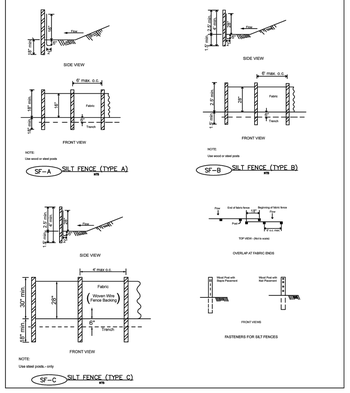
Issue Date: AUG. 2006 | Revision Date: APR 2015

NOTES:

1. GEOTEXTILE FABRIC (TYPE 4) IN ACCORDANCE WITH SECTION 625 (AHTD SPECS).
2. TYPE A – USE ON SMALL DEVELOPMENTS WHERE THE LIFE OF THE PROJECT IS LESS THAN SIX MONTHS AND THE SLOPE GRADIENT IS LESS THAN 3:1.
3. TYPE B – USE ON DEVELOPMENTS WHERE THE LIFE OF THE PROJECT IS GREATER THAN SIX MONTHS AND WHERE THE SLOPE GRADIENT IS 3:1 OR GREATER.
4. TYPE C – USE WHERE SLOPES EXCEED A VERTICAL HEIGHT OF 20 FEET AND THE SLOPE GRADIENT IS STEEPER THEN 3:1.
5. INSPECT BARRIERS AT THE END OF EACH WORKING DAY, OR AFTER EACH RAIN, AND REPAIR OR CLEAN AS NECESSARY.
6. REMOVE SEDIMENT FROM BARRIER WHEN ONE HALF FULL.
7. DISPOSE OF SEDIMENT AND STABILIZE IT WITH VEGETATION.
8. REPLACE FILTER FABRIC WHEN DETERIORATED.
9. DESIGN LIFE OF A SYNTHETIC SILT FENCE IS APPROXIMATELY 6 MONTHS.
10. MAINTAIN UNTIL THE PROJECT IS VEGETATED OR OTHERWISE STABILIZED.
11. REMOVE BARRIERS AND ACCUMULATED SEDIMENT AND STABILIZE THE EXPOSED AREA WHEN THE PROJECT IS STABILIZED.
12. SILT FENCE SHALL BE INSTALLED ALONG THE CONTOUR, NEVER UP OR DOWN A SLOPE.
13. THE MAXIMUM DRAINAGE AREA FOR A CONTINUOUS FENCE WITHOUT BACKING SHALL BE 1 ACRE PER 100 LINEAR FEET OF FENCE LENGTH. THE SLOPE LENGTH ABOVE THE FENCE, OF 3 ACRES, THE MAXIMUM SLOPE LENGTH BEHIND THE FENCE ON THE UPHILL SIDE SHOULD BE 110 FEET (AS MEASURED ALONG THE GROUND SURFACE).
14. THE MAXIMUM DRAINAGE AREA FOR A CONTINUOUS SILT FENCE WITH BACKING SHALL BE 1 ACRE PER 150 LINEAR FEET OF FENCE LENGTH. THE SLOPE LENGTH ABOVE THE SILT FENCE WITH BACKING SHOULD BE NO MORE THAN 300 FEET.

PW-53 — SILT FENCE

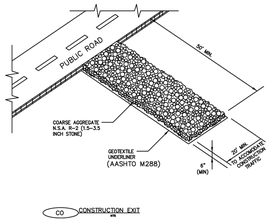
Issue Date: AUG. 2006 | Revision Date: APR 2015



PW-64 — CONSTRUCTION EXIT

Issue Date: AUG. 2006 | Revision Date: APR 2015

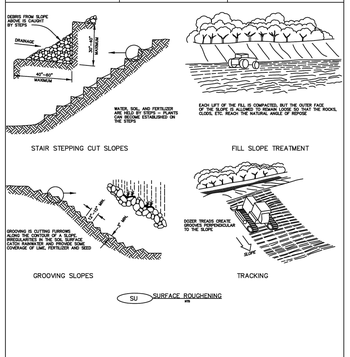
1. LOCATE STONE STABILIZED PAD AT ANY POINT WHERE VEHICULAR TRAFFIC WILL BE LEAVING THE CONSTRUCTION SITE ONTO A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, OR PARKING AREA OR ANY OTHER AREA WHERE THERE IS A TRANSITION FROM BARE SOIL TO A PAVED AREA.
2. WIDTH – 20'–0 MINIMUM BUT NOT LESS THAN FULL WIDTH OF ALL POINTS OF VEHICULAR EGRESS. LENGTH – 50'–0 MINIMUM
3. MAINTAIN THE EXIT TO PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS–OF–WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH MORE STONE, AS CONDITIONS DEMAND. IMMEDIATELY REMOVE ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OR SITE ONTO ROADWAY OR INTO STORM DRAINS. CLEAN WHEELS TO REMOVE MUD PRIOR TO ENTRANCE ON TO PUBLIC RIGHTS–OF–WAY.
4. WHEN WASHING IS REQUIRED, DO SO ON AN AREA STABILIZED WITH CRUSHED STONE DRAINING INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.



CO CONSTRUCTION EXIT
EA

PW-65 — SURFACE ROUGHENING

Issue Date: AUG. 2006 | Revision Date: APR 2015



SU SURFACE ROUGHENING
SY

PW-66 — TEMPORARY STABILIZATION, TEMPORARY GRASSING, PERMANENT GRASSING

Issue Date: AUG. 2006 | Revision Date: APR 2015

Ts1 TEMPORARY STABILIZATION

SPECIES	RATE / 1000 SF.	PLANTING DATES
STRAW MULCH	92 LB.	ANY TIME FOR TEMPORARY COVER.

Ts2 TEMPORARY GRASSING

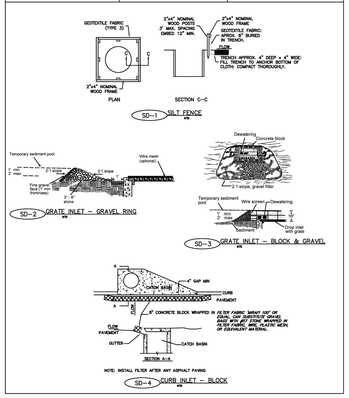
SPECIES	RATE / ACRE	PLANTING DATES	FERTILIZER	RATE / ACRE	MULCH RATE
MILLET	50 LB	JAN 21 TO AUG 14	10–20–10	500 LB	REFER TO TS–1
RYE	100 LB	AUG 15 TO JAN 20	10–20–10	500 LB	

Ts3 PERMANENT GRASSING

SPECIES	RATE / ACRE	PLANTING DATES	FERTILIZER	RATE / ACRE	MULCH RATE
BERMUDA GRASS (UNHULLED) BERMUDA GRASS (HULLED) LESPEDEZA (HOBE)	5 LB. 10 LB. 10 LB.	MARCH 1 TO JUNE 15	10–20–10	800 LB.	REFER TO TS–1
BERMUDA GRASS (UNHULLED) BERMUDA GRASS (HULLED)	5 LB. 10 LB.	JUNE 16 TO AUGUST 31	10–20–10	800 LB.	
BERMUDA GRASS (UNHULLED) WHEAT	20 LB. 15 LB.	SEPTEMBER 1 TO FEBRUARY 29	10–20–10	800 LB.	

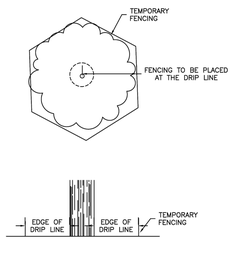
PW-71 — INLET PROTECTION

Issue Date: AUG. 2006 | Revision Date: APR 2015



PW-73 — TREE PROTECTION

Issue Date: AUG. 2006 | Revision Date: APR 2015



NOTE: TEMPORARY FENCING SHALL BE PLACED PRIOR TO CONSTRUCTION IN AREA.

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DESIGN DEVELOPMENT

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 7094
JOHN D. WHITE, JR.
NOT FOR CONSTRUCTION

NO.	ISSUE	DATE

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JOB NO.

04/30/2026
DATE

CERTIFICATE OF AUTHORIZATION
JOE WHITE & ASSOCIATES, INC.
#3871
ARKANSAS ENGINEER

EROSION CONTROL DETAILS

TITLE

C230

SHEET NO.

JOE WHITE & ASSOCIATES, INC.
CIVIL ENGINEERING - CONSULTING SERVICES - LAND SURVEYING
25 RAHLING CIRCLE, SUITE A-2 LITTLE ROCK, ARKANSAS 72223
PHONE: (501) 214-9141

PROJECT NUMBER: 25-157L | SCALE: NTS

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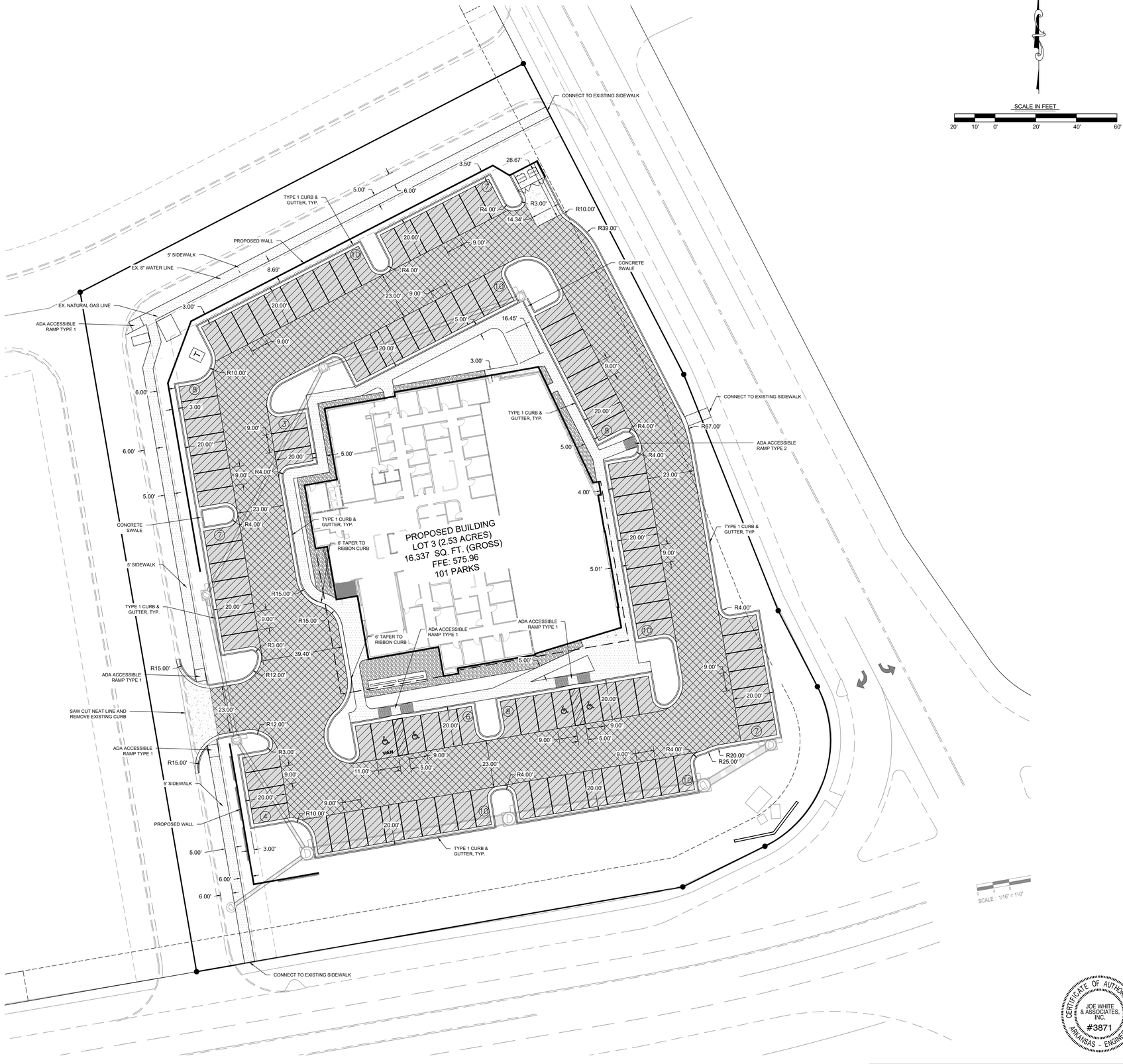
STANDARD DUTY ASPHALT PAVEMENT
2" HMAC WEARING SURFACE
8" COMPACTED SB-2 (95% MOD. PROCTOR)
12" COMPACTED SUBGRADE (95% MOD. PROCTOR)

HEAVY DUTY ASPHALT PAVEMENT
3" HMAC WEARING SURFACE
8" COMPACTED SB-2 (95% MOD. PROCTOR)
12" COMPACTED SUBGRADE (95% MOD. PROCTOR)

HEAVY DUTY CONCRETE PAVEMENT
6" 3500 P.S.I. CONCRETE
6" COMPACTED SB-2 (95% MOD. PROCTOR)
12" COMPACTED SUBGRADE (95% MOD. PROCTOR)
REINFORCEMENT TO BE INCLUDED AS NOTED ON PLANS

CONCRETE SIDEWALK
4" THICK 3000 P.S.I. CONCRETE

NOTES:
1. ALL PAVEMENT SECTIONS SHALL COMPLY WITH GEOTECHNICAL REPORT.
2. ALL PAVEMENT SHALL COMPLY WITH ARDOT SPECIFICATIONS.
3. ALL SIGNAGE, PAVEMENT MARKINGS AND PARKING LOT STRIPING SHALL CONFORM TO REQUIREMENTS GIVEN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD). MUTCD REQUIRES THAT PARKING SPACES BE MARKED IN WHITE.



SCALE IN FEET
20' 10' 0' 20' 40' 60'

SCALE : 1/16" = 1'-0"

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PAVING & DIMENSION PLAN
TITLE

C300
SHEET NO.

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PHONE: (501) 214-9141

PROJECT NUMBER: 25-157L
SCALE: 1"=20'

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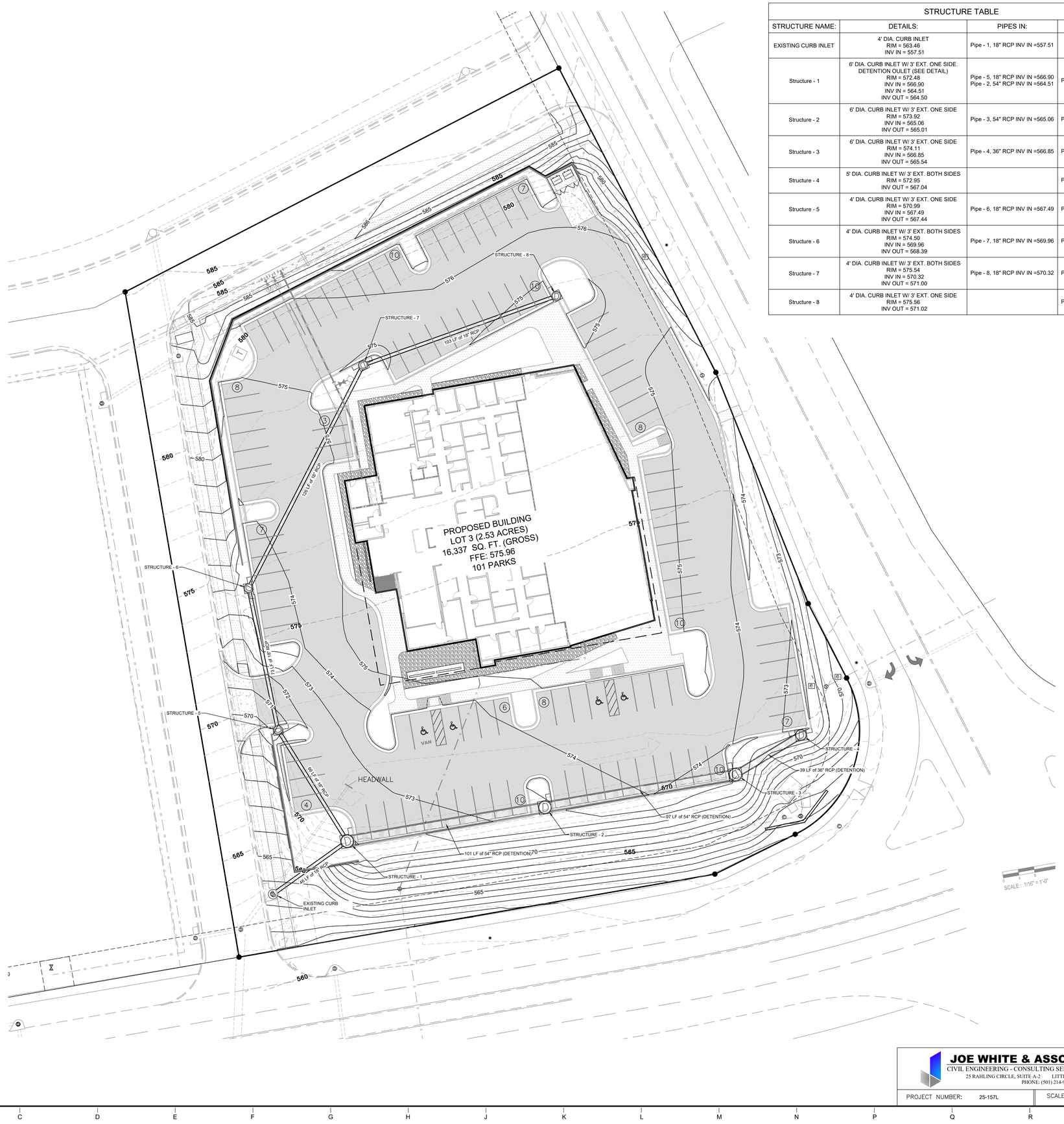
GENERAL SITE UTILITY CONSTRUCTION NOTES:

1. FINISH CONTOURS AND GRADES SHOWN ARE FOR FINISHED SURFACES, ALLOWANCES SHALL BE MADE FOR PAVEMENTS, SLABS, TOPSOIL, SOD, ETC. UNIFORM PLANES AND SURFACES SHALL BE SHAPED BETWEEN FINISHED SPOT ELEVATIONS AND/OR FINISH CONTOURS SHOWN. MINIMUM PAVEMENT SLOPES SHALL BE 1%, MINIMUM FINISH SLOPES ON GRASS OR SOD SURFACES SHALL BE 1%, MINIMUM LONGITUDINAL CONCRETE CURB & GUTTER SLOPE SHALL BE 0.6%, SPILL-OUT CURB SHALL BE USED ON THE HIGH SIDE OF PAVEMENT AND AT DISCHARGE POINTS.
2. THE CONTRACTOR SHALL CONTROL EROSION ON THE SITE. ALL SLOPES SHALL BE FERTILIZED, SEEDED AND MULCHED (OR LANDSCAPED) AS SOON AS POSSIBLE. THE CONTRACTOR SHALL FILE A NOTICE OF INTENT WITH THE ARKANSAS DPC&E. THE SITE SHALL BE GRADED TO MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION, WATER SHALL NOT BE ALLOWED TO POND.
3. ALL AREAS TO BE CUT OR FILLED SHALL BE CLEARED AND GRUBBED. THE MAXIMUM FILL SLOPE SHALL BE 3:1. ALL FILLS SHALL BE MADE IN 8" LIFTS AND COMPACTED, AT OPTIMUM MOISTURE CONTENT TO 95% OF MODIFIED PROCTOR DENSITY (ASTM D-1557), AS DETERMINED BY IN-PLACE DENSITY TESTS. BORROW AND FILL MATERIAL SHALL BE SELECT CLAY SAND OR SANDY CLAY HAVING A LIQUID LIMIT LESS THAN 40 OR OTHER APPROVED FILL. FILL SOILS CLASSIFYING AS SC OR GC ACCORDING TO THE UNIFIED SOILS CLASSIFICATION SYSTEM ARE CONSIDERED SUITABLE. SHALE MATERIAL USED IN FILL SHALL BE COMPACTED AT 3% ABOVE OPTIMUM MOISTURE CONTENT WITH A VIBRATORY SHEEPS FOOT COMPACTOR.
4. THE CONTRACTOR SHALL COORDINATE WITH EACH UTILITY COMPANY PRIOR TO ANY EXCAVATION. ANY DAMAGE TO UTILITY LINES CAUSED BY THE CONTRACTORS OPERATIONS SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE. THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING AND PROPOSED STORM SEWER, SANITARY SEWER AND WATER LINES TO ENSURE THAT THEY ARE INSTALLED WITH ADEQUATE COVER AND CLEARANCE . ALL ROUGH GRADING SHALL BE COMPLETE BEFORE INSTALLATION OF STORM SEWER, SANITARY SEWER AND APPURTENANCES, WATER MAINS, SERVICES AND APPURTENANCES. ALL UTILITY TRENCHES SHALL BE BACKFILLED AND COMPACTED WITH SELECT MATERIAL AS SPECIFIED IN NOTE #3 ABOVE.
5. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, CODES AND ORDINANCES GOVERNING WORK OF THIS TYPE.
6. THE INSTALLATION OF ALL CULVERT PIPE TO BE IN ACCORDANCE WITH ARDOT SPECIFICATIONS.
7. ALL EXISTING IMPROVEMENTS WHICH INTERFERE WITH THE WORK, AND ARE NOT TO BE SAVED SHALL BE REMOVED AND DISPOSED OF. IMPROVEMENTS IN THE RIGHT-OF-WAY WHICH ARE TO REMAIN SHALL BE PROTECTED BY THE CONTRACTOR.
8. ALL REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III WITH BELL AND SPIGOT TYPE JOINTS, PIPE, MATERIAL AND INSTALLATION SHALL BE IN CONFORMANCE WITH APPLICABLE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT (ARDOT) STANDARD CONSTRUCTION
9. ALL WATER MAINS AND SEWER MAINS AND THEIR APPURTENANCES, INCLUDING INSTALLATION, SHALL COMPLY WITH THE LATEST CENTRAL ARKANSAS WATER & LITTLE ROCK WATER RECLAMATION SPECIFICATIONS AND DETAILS. CONNECTIONS SHALL NOT BE MADE TO EXISTING LINES UNTIL NEW CONSTRUCTION HAS BEEN TESTED AND APPROVED BY THE UTILITY.
10. THE CONTRACTORS ATTENTION IS SPECIFICALLY CALLED TO THE LOCATION OF THE EXISTING IMPROVEMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DAMAGING ANY EXISTING IMPROVEMENTS WHICH ARE TO REMAIN. PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR SHALL REVIEW THE PLANS, SPECIFICATIONS & DETAILS. HE SHALL VISIT THE SITE AND INSPECT THE CONDITION OF THE SITE AND THE ADJACENT IMPROVEMENTS.
11. THE CONTRACTOR SHALL CALL "ONE-CALL" FOR LOCATION OF ALL UTILITIES PRIOR TO COMMENCEMENT OF ANY EXCAVATION.
12. ANY EXCESS EXCAVATED MATERIAL, NOT REQUIRED FOR CONSTRUCTION OF FILLS SHALL BE DISPOSED OF ON OR OFF-SITE.

SCALE IN FEET

20' 10' 0' 20' 40' 60'



STRUCTURE TABLE			
STRUCTURE NAME:	DETAILS:	PIPES IN:	PIPES OUT
EXISTING CURB INLET	4' DIA. CURB INLET RIM = 563.46 INV IN = 557.51	Pipe - 1, 18" RCP INV IN =557.51	
Structure - 1	6' DIA. CURB INLET W/ 3' EXT. ONE SIDE. DETENTION OULET (SEE DETAIL) RIM = 572.48 INV IN = 566.90 INV IN = 564.51 INV OUT = 564.50	Pipe - 5, 18" RCP INV IN =566.90 Pipe - 2, 54" RCP INV IN =564.51	Pipe - 1, 18" RCP INV OUT =564.50
Structure - 2	6' DIA. CURB INLET W/ 3' EXT. ONE SIDE RIM = 573.92 INV IN = 565.06 INV OUT = 565.01	Pipe - 3, 54" RCP INV IN =565.06	Pipe - 2, 54" RCP INV OUT =565.01
Structure - 3	6' DIA. CURB INLET W/ 3' EXT. ONE SIDE RIM = 574.11 INV IN = 566.85 INV OUT = 565.54	Pipe - 4, 36" RCP INV IN =566.85	Pipe - 3, 54" RCP INV OUT =565.54
Structure - 4	5' DIA. CURB INLET W/ 3' EXT. BOTH SIDES RIM = 572.95 INV OUT = 567.04		Pipe - 4, 36" RCP INV OUT =567.04
Structure - 5	4' DIA. CURB INLET W/ 3' EXT. ONE SIDE RIM = 570.99 INV IN = 567.49 INV OUT = 567.44	Pipe - 6, 18" RCP INV IN =567.49	Pipe - 5, 18" RCP INV OUT =567.44
Structure - 6	4' DIA. CURB INLET W/ 3' EXT. BOTH SIDES RIM = 574.50 INV IN = 569.96 INV OUT = 568.39	Pipe - 7, 18" RCP INV IN =569.96	Pipe - 6, 18" RCP INV OUT =568.39
Structure - 7	4' DIA. CURB INLET W/ 3' EXT. BOTH SIDES RIM = 575.54 INV IN = 570.32 INV OUT = 571.00	Pipe - 8, 18" RCP INV IN =570.32	Pipe - 7, 18" RCP INV OUT =571.00
Structure - 8	4' DIA. CURB INLET W/ 3' EXT. ONE SIDE RIM = 575.56 INV OUT = 571.02		Pipe - 8, 18" RCP INV OUT =571.02

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CLARKCONTRACTORS.NET

LITTLE ROCK EYE CLINIC

OWNER
201 EXECUTIVE COURT, STE A
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501.224.5658
LITTLEROCKEYE.COM

LITTLE ROCK EYE CLINIC - WEST

DESIGN DEVELOPMENT

STATE OF ARKANSAS JOE D. WHITE, JR. REGISTERED PROFESSIONAL ENGINEER No. 7094
NOT FOR CONSTRUCTION

NO.	ISSUE	DATE

LREYEC26.00
JOB NO.

04/30/2026
DATE

CERTIFICATE OF AUTHORIZATION JOE WHITE & ASSOCIATES, INC. #3871 ARKANSAS - ENGINEER

OVERALL GRADING & DRAINAGE PLAN

TITLE

C400

SHEET NO.

JOE WHITE & ASSOCIATES, INC.
CIVIL ENGINEERING - CONSULTING SERVICES - LAND SURVEYING
25 RAHLING CIRCLE, SUITE A-2 LITTLE ROCK, ARKANSAS 72223
PHONE: (501) 214-9141

PROJECT NUMBER: 25-157L | SCALE: 1"=20'

Autodesk Docs://Little Rock Eye Clinic - West/Little Rock Eye Clinic - Central_V25.rvt

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OWNER
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LITTLE ROCK, AR 72205
501.224.5658
LITTLEROCKEYE.COM

LITTLE ROCK EYE CLINIC - WEST

DESIGN DEVELOPMENT

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 7094
JOE D. WHITE, JR.
NOT FOR CONSTRUCTION

NO.	ISSUE	DATE

LREYEC26.00
JOB NO.

04/30/2026
DATE

ENLARGED GRADING PLAN
TITLE

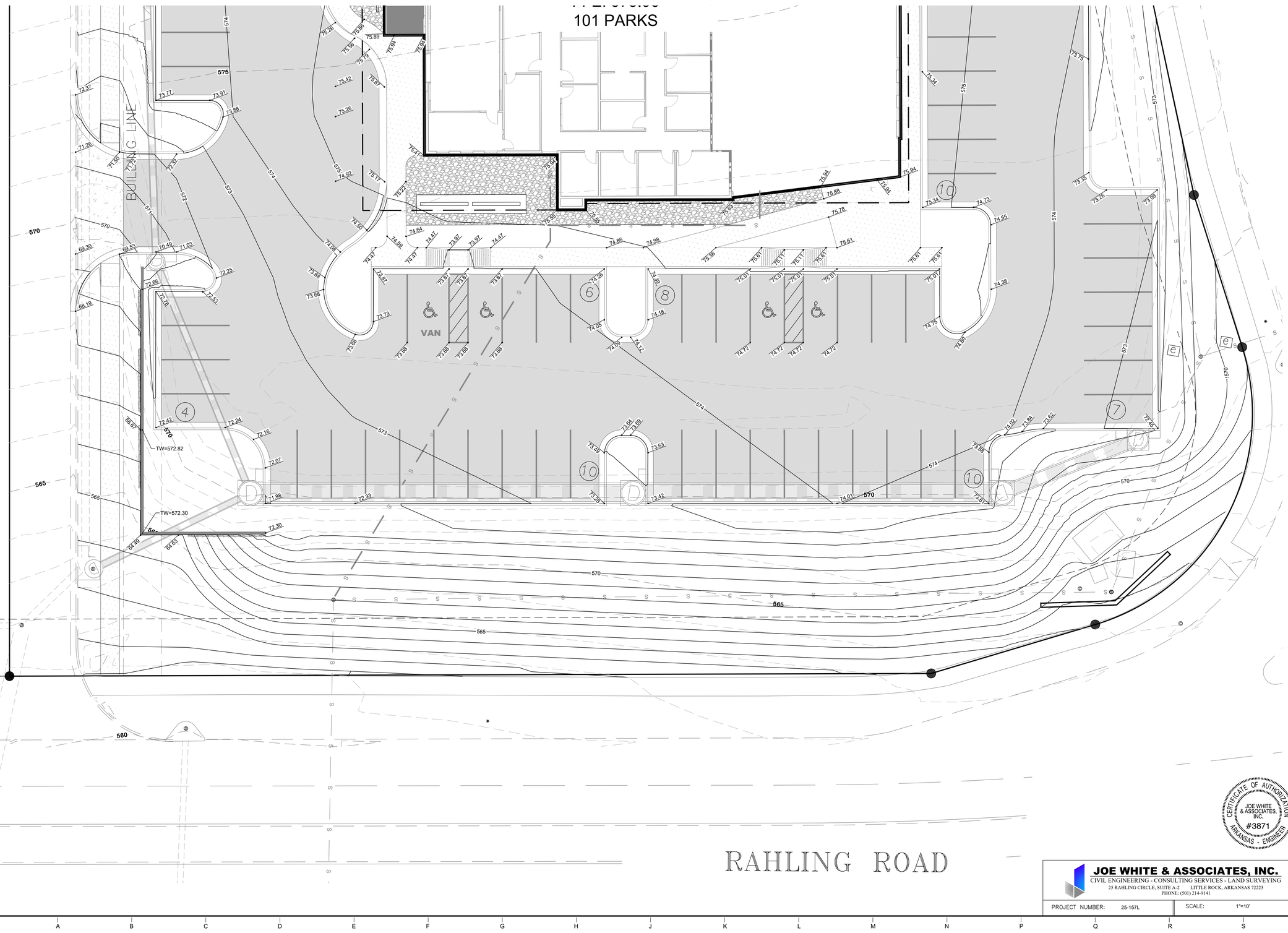
C410
SHEET NO.

CERTIFICATE OF AUTHORIZATION
JOE WHITE & ASSOCIATES, INC.
#3871
ARKANSAS - ENGINEER

JOE WHITE & ASSOCIATES, INC.
CIVIL ENGINEERING - CONSULTING SERVICES - LAND SURVEYING
25 RAHLING CIRCLE, SUITE A-2 LITTLE ROCK, ARKANSAS 72223
PHONE: (501) 214-9141

PROJECT NUMBER: 25-157L | SCALE: 1"=10'

Autodesk Docs://Little Rock Eye Clinic - West/Little Rock Eye Clinic - Central_V25.rvt



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LITTLE ROCK EYE CLINIC

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LITTLE ROCK, AR 72205
501.224.5658
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LITTLE ROCK EYE CLINIC - WEST

DESIGN DEVELOPMENT

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 7094
CHAS D. WHITE, JR.
NOT FOR CONSTRUCTION

NO.	ISSUE	DATE

LREYEC26.00
JOB NO.

04/30/2026
DATE

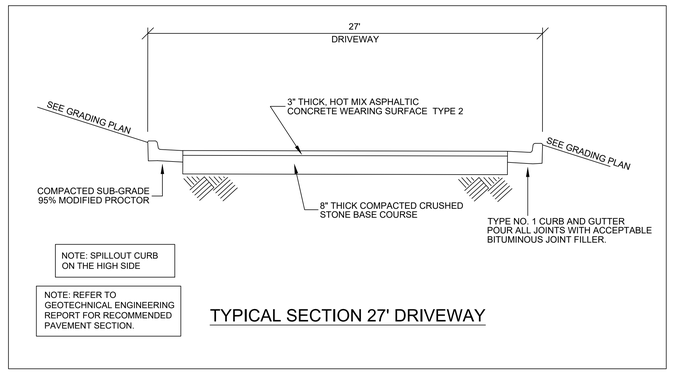
ENLARGED GRADING PLAN
TITLE

C420
SHEET NO.

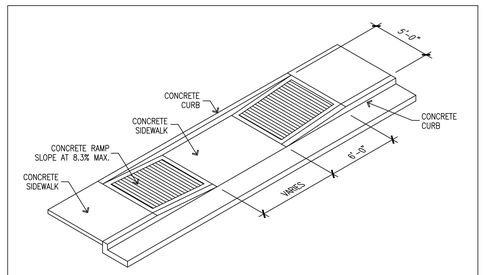
CERTIFICATE OF AUTHORIZATION
JOE WHITE & ASSOCIATES, INC.
#3871
ARKANSAS - ENGINEER

JOE WHITE & ASSOCIATES, INC.
CIVIL ENGINEERING - CONSULTING SERVICES - LAND SURVEYING
25 RAHLING CIRCLE, SUITE A-2 LITTLE ROCK, ARKANSAS 72223
PHONE: (501) 214-9141

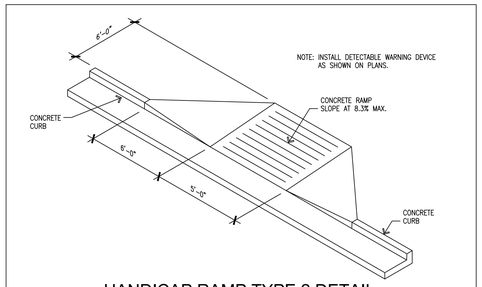
PROJECT NUMBER: 25-157L | SCALE: 1"=10'



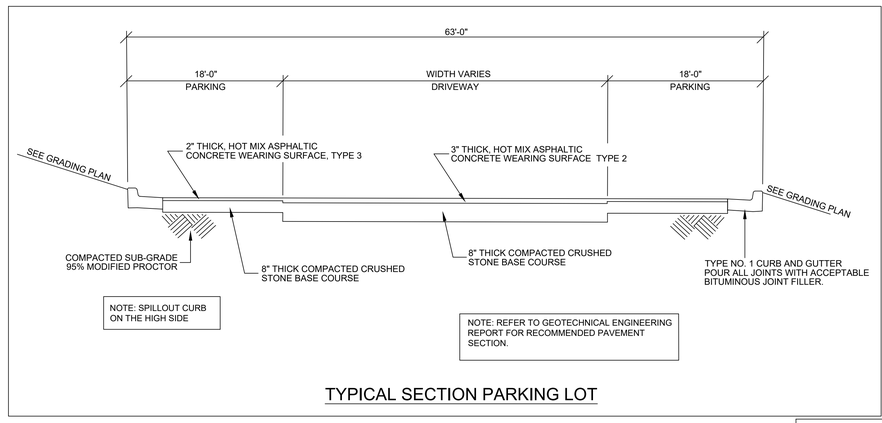
TYPICAL SECTION 27' DRIVEWAY



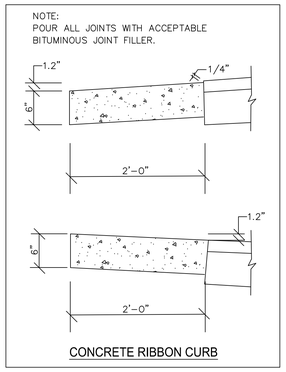
SIDEWALK RAMP TYPE 1 DETAIL



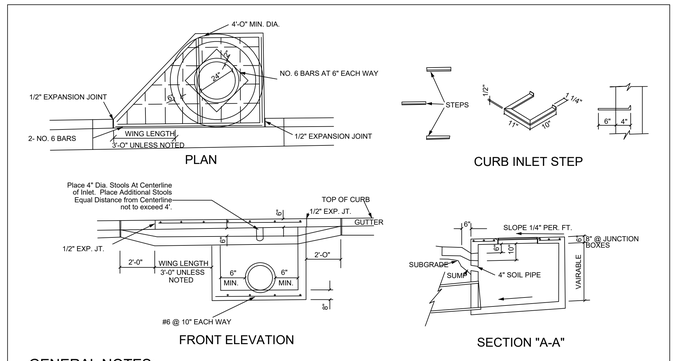
HANDICAP RAMP TYPE 2 DETAIL



TYPICAL SECTION PARKING LOT



CONCRETE RIBBON CURB

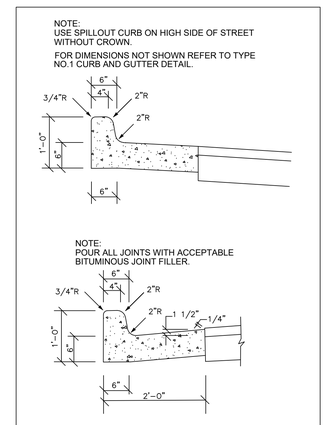


GENERAL NOTES:

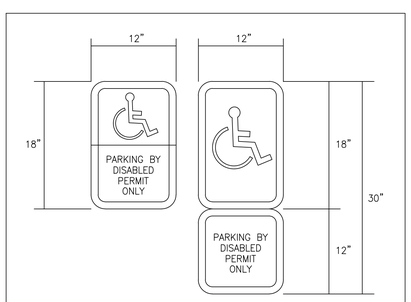
1. Provide steps 15" on center in curb inlet box exceeding 3' of depth, place ring and cover over steps.
2. Use double throat only where inlets are at low point of grade, otherwise use one throat on upstream side of inlet.
3. Reinforcing steel as shown.
4. Cut and finish all pipe flush with inside of box.
5. Inlet throat to be beveled 45°.
6. Construct pipe so as to have a minimum of 6" clearance at structure.
7. For pipe diameters larger than 24", provide special detail which shows accurately the pipe arrangement in the structure.
8. Sub no. 6 bars and heavy ring and cover in top of junction boxes in traffic areas.
9. Use two conc. stools if wing length is greater than 3'-0".

DIA. OF STRUCTURE	WALL THICKNESS	DIA. OF OUTLET PIPE
4 FT. I.D.	6"	12" THRU 27"
5 FT. I.D.	8"	30" THRU 42"
6 FT. I.D.	8"	48" THRU 54"
8 FT. I.D.	10"	60" THRU 72"

CURB INLET DETAIL

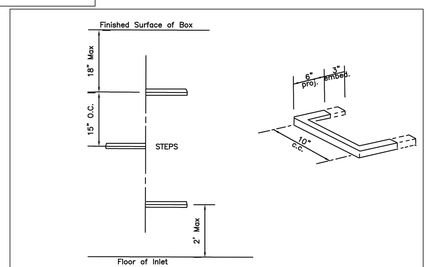


CURB DETAIL



All Handicapped parking spaces must be signed and marked in accordance with the standards adopted by the Department of Transportation. Use of pavement symbol in handicapped parking spaces is optional. When used the symbol shall be 3 to 5 feet high and white in color. Top portion shall have a reflective blue background with white reflective symbol and border. Bottom portion shall have a reflective white background with black opaque legend and border. May be fabricated on one panel or two. Signs are to be mounted at standard height. (7 ft. from pavement to bottom of sign).

HANDICAP PARKING SIGN DETAILS



A. Manhole steps: corrosion resistant, coated, and reinforced with steel per ASTM C-478. Steel reinforcing minimum 1/2" diameter.

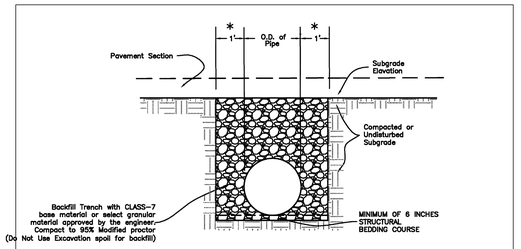
B. Acceptable Manufacturers:
   1. Utility Products Inc. Perma Step 100-2
   2. ICM Inc. Polypropylene coated steps.
   3. M.A. Industries, Inc. Polypropylene coated steps. #PSI-PF
   4. BOWCO, by H. Bowen Co.

C. Capable of supporting minimum 300 lb. load.

D. Non-Slip textured treads.

E. Required in all structures 3'-0" deep or greater.

CURB INLET STEPS

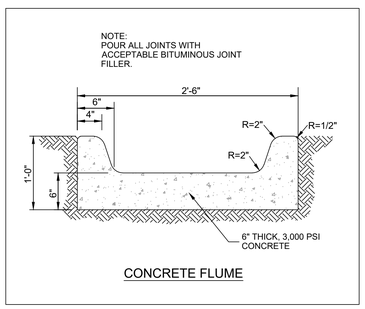


NOTE: Backfill above crown may be select bo when approved by Public Works Department with density testing, two-year maintenence bond. See (PW-27)

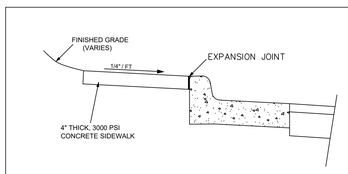
UNDER ROADWAY / CROSS DRAIN BEDDING

* SEE PUBLIC WORKS STANDARD SPECIFICATIONS FOR TRENCH WIDTH AND DEPTH REQUIRED FOR STORM DRAIN APPLICATIONS.

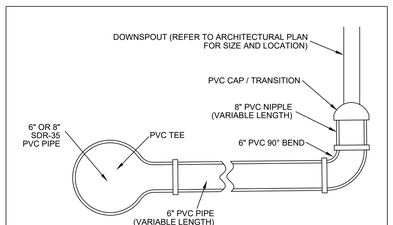
DRAINAGE PIPE BACKFILL



CONCRETE FLUME



SIDEWALK AT BACK OF CURB



DOWNSPOUT COLLECTOR

NOTE: ROOF DRAINS TO MAINTAIN A MINIMUM 1.00% SLOPE.

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201 EXECUTIVE COURT, STE A
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LITTLE ROCK EYE CLINIC - WEST

DESIGN DEVELOPMENT

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 7094 JOHN D. WHITE, JR. NOT FOR CONSTRUCTION

NO.	ISSUE	DATE

LREYEC26.00
JOB NO.

04/30/2026
DATE

GRADING, PAVING, & DRAINAGE DETAILS

TITLE

C430

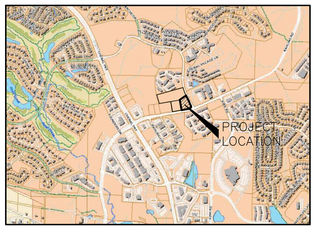
SHEET NO.

CERTIFICATE OF AUTHORIZATION — JOE WHITE & ASSOCIATES, INC. #3871 — ARKANSAS ENGINEER

JOE WHITE & ASSOCIATES, INC.
CIVIL ENGINEERING - CONSULTING SERVICES - LAND SURVEYING
25 RAHLING CIRCLE, SUITE A-2 LITTLE ROCK, ARKANSAS 72223
PHONE: (501) 214-9141

PROJECT NUMBER: 25-157L | SCALE: NTS

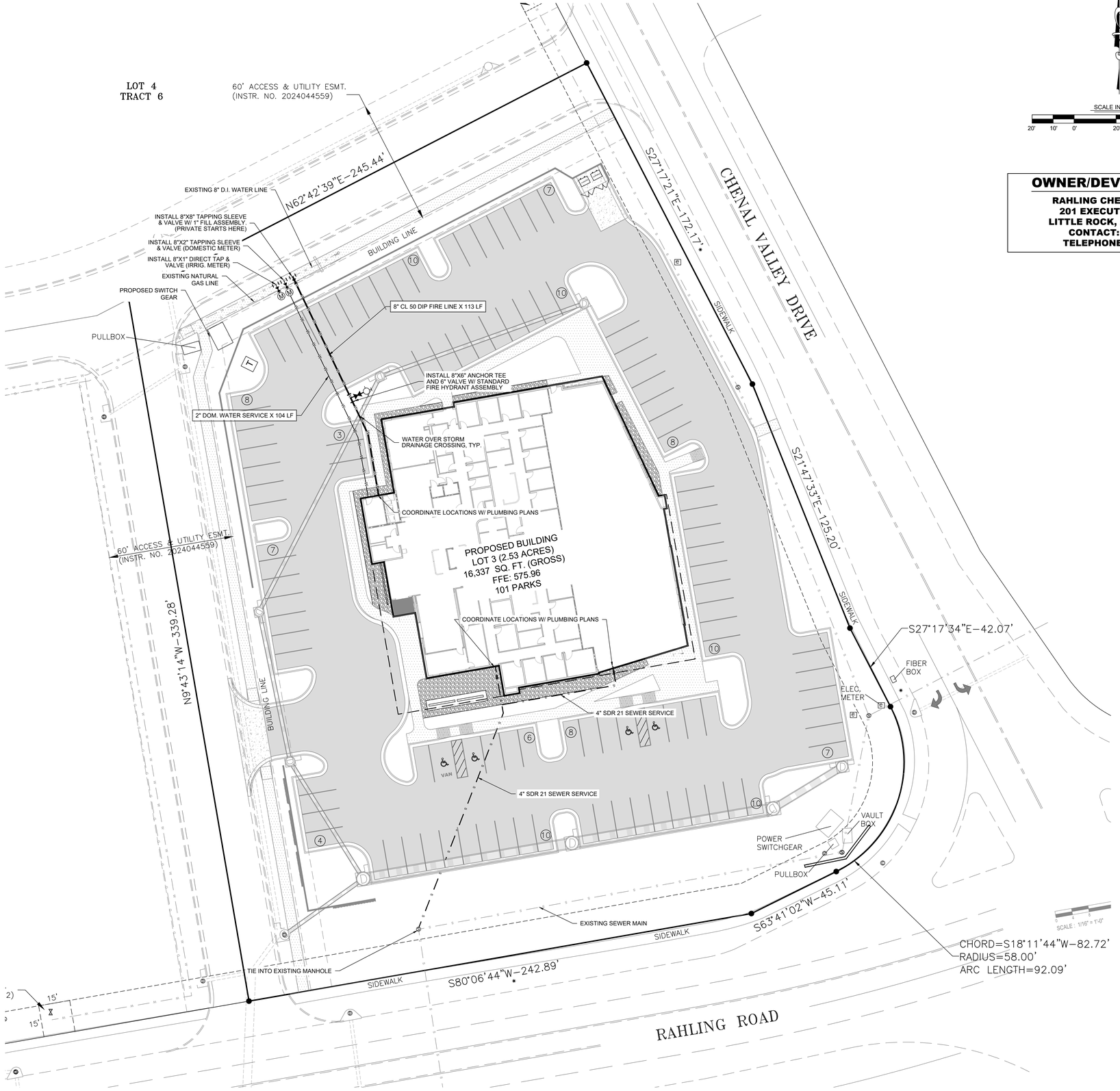
Autodesk Docs://Little Rock Eye Clinic - West/Little Rock Eye Clinic - Central_V25.rvt



VICINITY MAP
(1"=2000')

GENERAL UTILITY NOTES

1. The latest "Standard Pipeline Specifications and Details" of Central Arkansas Water and Little Rock Water Reclamation Authority shall apply.
2. The contractor shall locate all existing utilities before beginning construction.
3. A minimum of 36" of ground cover over all water & sewer mains. Water mains and sanitary sewers shall be constructed as far apart as practical, and shall be separated by undisturbed and compacted earth. A minimum horizontal distance of 10-feet should be maintained between water lines and sewer lines or other sources of contamination. Water mains necessarily in close proximity to sewer must be placed so that the bottom of the water line will be at least 18-inches above the top of the sewer line. If this distance must unavoidably be reduced, the water line or the sewer line must be encased in watertight pipe with sealed, watertight ends extending at least 10-feet either side of the crossing. Where a water line must unavoidably pass beneath the sewer line, at least 18-inches separation must be maintained between the outside of the two pipes in addition to the preceding encasement requirement.
4. The contractor shall verify horizontal and vertical alignment of water & sewer lines to ensure that they are installed with adequate cover and clearance. Minimum required vertical separation between water and sewer mains to be no less than 18-inches, with water crossing over sanitary sewer. Where 18-inches of separation cannot be achieved, than either water or sewer must be encased. Minimum required ground cover to be 36-inches with both water and sewer mains. Rough grading shall be complete before storm sewer, sanitary sewer, water mains and service.
5. The contractor shall make connection to existing sanitary sewer and water mains after they are cleaned, tested and construction approved by utility inspector.
6. All trench backfill shall be made in 8" lifts and compacted to 95% of modified proctor density (ASTM D-1557), as determined by in-place density tests. In transition areas between cuts and fills the top 8" in the cut shall be broken and compacted to a minimum of 95% modified proctor density.
7. The contractor shall coordinate with each utility company prior to any excavation. Any damage to existing utility lines caused by contractor's operations shall be repaired at the contractor's expense.
8. Concrete shall have a minimum 28 day compressive strength of 3000 psi unless noted.
9. All reinforcing steel shall be grade 40 unless noted.
10. All water mains to go over drainage and sewer crossings unless otherwise noted.
11. All parallel storm drain flow lines shall be installed prior to and below all water main flow lines unless otherwise noted on the plans.
12. Marking tape shall be used on all water and sewer lines. Trace wire shall be used on all non-metallic water lines per Central Arkansas Water specifications 10.1 & 10.2.
13. Megalugs and thrust blocking is required on all fittings. All thrust blocking shall be protected of excavation of other utilities.
14. The riser shall be installed prior to pressure testing. Bacteriological sampling will be conducted up to the backflow device per the Arkansas Department of Health and Central Arkansas Water.
15. The thrust blocking for the riser shall be visually inspected by a Central Arkansas Water Engineering Technician.
16. The taps, setter assembly, and meter boxes shall be installed by the contractor. CAW will install only the meter.



OWNER/DEVELOPER:

RAHLING CHENAL LLC
201 EXECUTIVE CT.
LITTLE ROCK, AR 72205
CONTACT: --------
TELEPHONE: --------

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LITTLE ROCK EYE CLINIC - WEST

DESIGN DEVELOPMENT

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NO.	ISSUE	DATE

LREYEC26.00
JOB NO.

04/30/2026
DATE

UTILITY PLAN
TITLE

C500
SHEET NO.

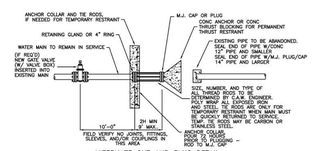
CERTIFICATE OF AUTHORIZATION JOE WHITE & ASSOCIATES, INC. #3871 ARKANSAS - ENGINEER

JOE WHITE & ASSOCIATES, INC.
CIVIL ENGINEERING - CONSULTING SERVICES - LAND SURVEYING
25 RAHLING CIRCLE, SUITE A-2 LITTLE ROCK, ARKANSAS 72223
PHONE: (501) 214-9141

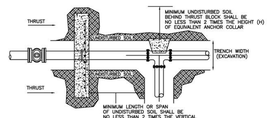
PROJECT NUMBER: 25-157L | SCALE: 1"=20'

Autodesk Docs://Little Rock Eye Clinic - West/Little Rock Eye Clinic - Central_V25.rvt

NOTES:
1. NEW VALVE SHALL BE INSTALLED ONLY IF SHOWN IN THE CONSTRUCTION PLAN.
2. IF WATER MAIN CAN BE TEMPORARILY SHUT DOWN, NEW INSERTED VALVE SHALL BE CUT IN BY CONTRACTOR.
3. IF WATER MAIN CAN NOT BE TEMPORARILY SHUT DOWN PRIOR TO CUT AND PLUG, NEW INSERTED VALVE SHALL BE INSTALLED BY C.A.W. USING HYDRO-TAP METHOD.
4. SEE C.A.W. STANDARD DETAILS FOR MINIMUM DIMENSIONS OF ANCHOR COLLAR.

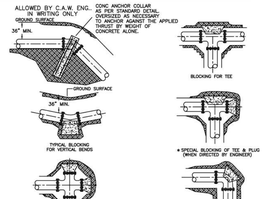


ALTERNATE CUT AND PLUG DETAIL
TO BE USED ONLY UPON WRITTEN APPROVAL FROM C.A.W.
N. T. S.



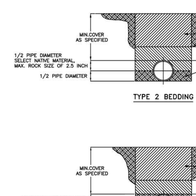
MINIMUM UNDISTURBED SOIL BEHIND ANCHOR COLLAR / THRUST BLOCK
PLAN VIEW

ALLOWED BY C.A.W. ENG. IN WRITING ONLY

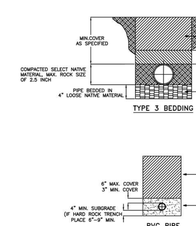


NOTES ON THRUST BLOCKING
1. ALL BLOCKING SHALL BE AGAINST UNDISTURBED SOIL.
2. ■ WHERE SOIL CONDITIONS MAKE IT NECESSARY TO POUR CONCRETE OVER JOINTS, THE ENDS OF THE ADJACENT PIPES MUST HAVE A THRUST BLOCK TO RESIST MOVEMENT OF THESE JOINTS.
3. WEIGHT CALCULATIONS TO BE BASED ON THRUST DUE TO STATIC PRESSURE + SURGE OR TEST PRESSURE, WHICH EVER IS GREATER. (THRUST = 2AP 1/2 SIN Θ WHERE A = AREA OF PIPE. P = WATER PRESSURE)
4. WHEN BLOCKING AGAINST PLUG, PLUG SHALL BE COVERED TO PREVENT BONDING OF CONCRETE.
5. WHERE SHEAR BECOMES A PROBLEM PROPER REINFORCING MUST BE INSTALLED INTO THE BLOCKING.
6. ■ CLEARANCE SHALL BE A MINIMUM OF 6" BETWEEN PIPE AND OBSTRUCTIONS.
7. CLEARANCE ON PIPES BELONGING TO OIL/GAS COMPANIES SHALL BE 18" UNLESS SPECIAL PERMISSION IS GIVEN BY THESE COMPANIES.

STANDARD THRUST BLOCKING



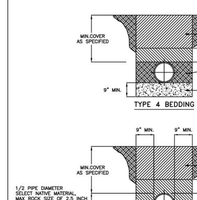
TYPE 2 BEDDING



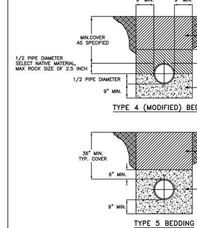
TYPE 3 BEDDING

PVC PIPE

BEDDING & BACKFILL DETAILS



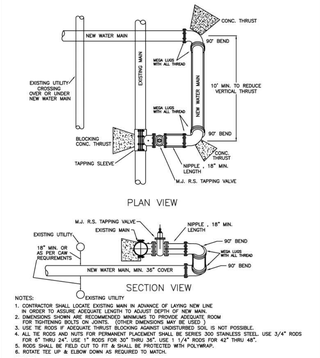
TYPE 4 BEDDING



TYPE 4 (MODIFIED) BEDDING

TYPE 5 BEDDING

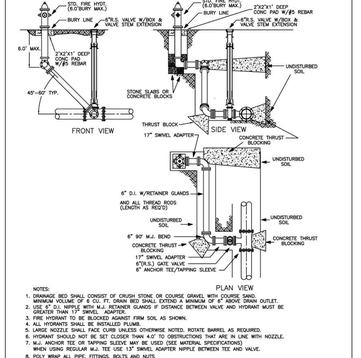
BEDDING & BACKFILL DETAILS



NOTES:
1. CONTRACTOR SHALL LOCATE EXISTING MAIN IN ADVANCE OF LAYING NEW LINE IN ORDER TO ASSURE ADEQUATE LENGTH TO ADJUST DEPTH OF NEW MAIN.
2. DIMENSIONS SHOWN ARE RECOMMENDED MINIMUMS TO PROVIDE ADEQUATE ROOM FOR TIGHTENING BOLTS ON JOINTS. OTHER DIMENSIONS MAY BE USED.
3. USE TIE RODS IF ADEQUATE THRUST BLOCKING AGAINST UNDISTURBED SOIL IS NOT POSSIBLE.
4. TIE RODS SHALL BE THREADED STUDS OF HIGH STRENGTH LOW ALLOY OR 300 SERIES 300 STAINLESS STEEL. USE 3/4" RODS FOR 8" THRU 24" MJ FITTINGS. USE 1" RODS FOR 30" THRU 48". USE 1 1/4" RODS FOR 42" THRU 48".
5. RODS SHALL BE FIELD CUT TO FIT & SHALL BE PROTECTED WITH PERMANENT COATING.
6. ROTATE TEE UP & ELBOW DOWN AS REQUIRED TO MATCH.

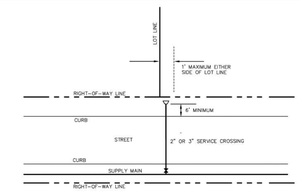
225 PSI SERIES 300 STAINLESS STEEL	PIPE SIZE	6"	8"	10"	12"	16"	20"	24"	30"	36"	42"	48"
	RODS / NIPPLE	2	2	4	4	8	12	16	14	18	16	20

BACKSIDE TAP SWING CONNECTION

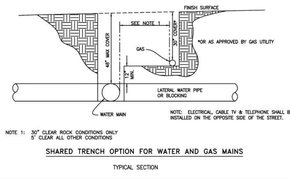


NOTES:
1. DRAINAGE BED SHALL CONSIST OF CRUSH STONE OR COURSE GRAVEL WITH COURSE SAND. MINIMUM VOLUME OF 6 CU. FT. DRAIN BED SHALL EXTEND A MINIMUM OF 6" ABOVE DRAIN OUTLET.
2. USE 6" D.I. NIPPLE WITH M.J. RETAINER GLANDS IF DISTANCE BETWEEN VALVE AND HYDRANT MUST BE GREATER THAN 17" SWIVEL ADAPTER.
3. FIRE HYDRANT TO BE BLOCKED AGAINST FIRM SOIL AS SHOWN.
4. ALL HYDRANTS SHALL BE INSTALLED PLUMB.
5. LARGE NOZZLE SHALL FACE CURB UNLESS OTHERWISE NOTED. ROTATE BARREL AS REQUIRED.
6. HYDRANT SHOULD NOT BE SET CLOSER THAN 4.0' TO OBSTRUCTIONS THAT ARE IN LINE WITH NOZZLE.
7. M.J. ANCHOR TEE OR TAPPING SLEEVE MAY BE USED (SEE MATERIAL SPECIFICATIONS) WHEN USING REGULAR M.J. TEE USE 13" SWIVEL ADAPTER NIPPLE BETWEEN TEE AND VALVE.
8. POLY WRAP ALL PIPE, FITTINGS, BOLTS AND NUTS
9. FOR HYDRANTS NOT SET IN CONCRETE, PAVEMENT OR SIDEWALKS, A CONCRETE PAD SHALL BE CONSTRUCTED AROUND THE HYDRANT BARREL. CONCRETE PAD SHALL BE 2'X2'X1' DEEP, REINFORCED WITH ONE #5 REBAR ALL AROUND HYDRANT.

DEEP BURY FIRE HYDRANT ASSEMBLY
(BURY DEEPER THAN 6.0')



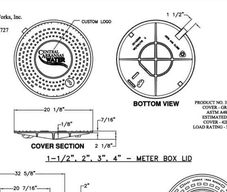
2" & 3" SERVICE STREET CROSSING LOCATION



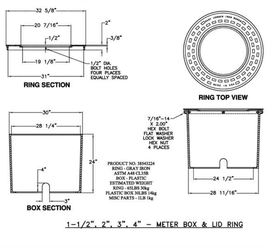
NOTE 1: 30" CLEAR ROCK CONDITIONS ONLY
5' CLEAR ALL OTHER CONDITIONS

SHARED TRENCH OPTION FOR WATER AND GAS MAINS
TYPICAL SECTION

Manufacturer:
East Jordan Iron Works, Inc.
P.O.Box 439
East Jordan, MI 49727
1-800-874-4100
Fax 231-536-4458



1-1/2", 2", 3", 4" - METER BOX LID

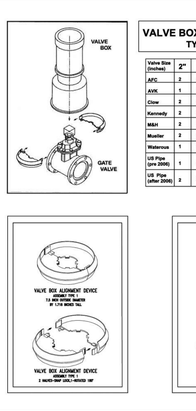


1-1/2", 2", 3", 4" - METER BOX & LID RING

BOXLOK

VALVE BOX ALIGNMENT DEVICE TYPE NUMBERS

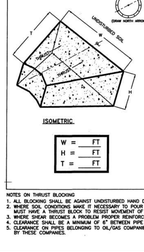
Valve Size (Inches)	2"	3"	4"	6"	8"	10"	12"
AFC	2	2	2	2	2	1	1
AVK	1	1	1	1	1	1	1
Clow	2	2	2	2	2	2	1-CLOW
Kennedy	2	2	2	2	2	2	--
M&H	2	2	2	2	2	2	--
Mueller	2	2	2	2	2	2	1
Waterous	1	1	1	1	1	1	--
US Pipe (pre 2006)	1	1	1	1	1	1	1
US Pipe (after 2006)	2	2	2	2	2	2	2



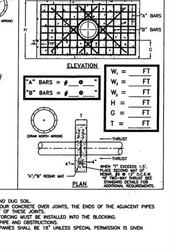
THRUST BLOCK/ANCHOR COLLAR AS-BUILT RECORD FORM

CAW PROJECT NO. : _____ DATE AND TIME : _____
JOB DESC : _____ SUPV : _____ COORD : _____
PIPE DIA. & TYPE : _____ TYPE OF FITTING : _____
LOCATION (STA. NO., INTERSECTION, FEATURE LOCATE) : _____
TONS OF THRUST : _____ SOIL TYPE : _____
*REQUIRED LOAD BEARING AREA (S.F.) : _____
*(SEE OTHER SIDE FOR SAFE BEARING AREA TABLES)

THRUST BLOCK AS-BUILT



ANCHOR COLLAR AS-BUILT



NOTES ON THRUST BLOCKING
1. ALL BLOCKING SHALL BE AGAINST UNDISTURBED HAND DUG SOIL.
2. ■ WHERE SOIL CONDITIONS MAKE IT NECESSARY TO POUR CONCRETE OVER JOINTS, THE ENDS OF THE ADJACENT PIPES MUST HAVE A THRUST BLOCK TO RESIST MOVEMENT OF THESE JOINTS.
3. ■ WHERE SHEAR BECOMES A PROBLEM PROPER REINFORCING MUST BE INSTALLED INTO THE BLOCKING.
4. ■ CLEARANCE SHALL BE A MINIMUM OF 6" BETWEEN PIPE AND OBSTRUCTIONS.
5. CLEARANCE ON PIPES BELONGING TO OIL/GAS COMPANIES SHALL BE 18" UNLESS SPECIAL PERMISSION IS GIVEN BY THESE COMPANIES.

(L.F.) SOLID ROCK Suggested Safe Bearing Area at 225 psi TEST Pressure

Fitting / Pipe Dia.	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"	42"	48"
11 1/4°	1	1	2	3	4	6	7	9	11	14		
22 1/2°	1	1	2	3	4	6	7	9	11	14		
45°	1	1	2	3	4	6	7	9	11	14		
90°	1	1	2	3	4	6	7	9	11	14		
Plug (dead-end)	1	1	2	3	4	6	7	9	11	14		

(L.F.) HARD SEALS Suggested Safe Bearing Area at 225 psi TEST Pressure
(4 tons / sq. ft.)

Fitting / Pipe Dia.	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"	42"	48"
11 1/4°	1	1	2	3	4	6	7	9	11	14		
22 1/2°	1	1	2	3	4	6	7	9	11	14		
45°	1	1	2	3	4	6	7	9	11	14		
90°	1	1	2	3	4	6	7	11	15	20	28	
Plug (dead-end)	1	1	2	3	4	6	7	11	15	20	28	

(L.F.) MEDIUM SEALS or DRY CLAY GRAVEL Suggested Safe Bearing Area at 225 psi TEST Pressure
(3 tons / sq. ft.)

Fitting / Pipe Dia.	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"	42"	48"
11 1/4°	1	1	2	3	5	7	9	11	15	21		
22 1/2°	1	1	2	3	5	7	9	11	15	21		
45°	1	1	2	3	5	7	11	15	21	27		
90°	1	1	2	3	5	7	11	16	22	30		
45°	1	2	3	5	8	10	14	20	27	37		
90°	1	2	3	5	8	13	20	29	41	56	72	
Plug (dead-end)	1	2	3	5	8	13	20	29	41	56	72	

(L.F.) SOFT SEALS, DRY SAND or LOAM Suggested Safe Bearing Area at 225 psi TEST Pressure
(2 tons / sq. ft.)

Fitting / Pipe Dia.	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"	42"	48"
11 1/4°	1	2	3	5	7	10	14	20	28	38	52	68
22 1/2°	1	2	3	5	7	10	16	23	31	43		
45°	1	2	3	5	7	10	16	23	31	43		
90°	1	2	3	5	8	14	20	31	44	60	78	
45°	2	3	5	8	12	18	27	39	53	73	95	
Plug (dead-end)	2	3	5	8	12	18	27	39	53	73	95	122

(L.F.) SOFT CLAY Suggested Safe Bearing Area at 225 psi TEST Pressure
(1,125 tons / sq. ft.)

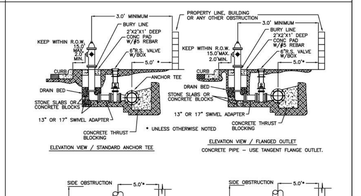
Fitting / Pipe Dia.	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"	42"	48"
11 1/4°	1	2	4	6	9	13	18	26	36	48	64	84
22 1/2°	2	3	6	9	13	19	28	41	56	77		
45°	2	4	7	11	17	25	38	55	76	100		
90°	3	5	9	14	21	32	48	70	96	132		
45°	4	7	12	19	29	43	65	94	130	178		
Plug (dead-end)	8	13	23	36	53	80	120	174	240	330	440	570

(L.F.) WET CLAY Suggested Safe Bearing Area at 225 psi TEST Pressure
(0.56 tons / sq. ft.)

Fitting / Pipe Dia.	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"	42"	48"
11 1/4°	2	4	7	11	16	28	41	59	82	110	146	192
22 1/2°	3	6	11	17	25	43	64	92	128	174		
45°	5	9	16	25	36	62	92	132	183	249		
90°	7	13	23	36	52	90	134	192	267	362		
45°	9	16	28	44	63	110	164	235	326	443		
90°	13	24	42	66	95	165	246	354	490	665		
Plug (dead-end)	18	33	58	91	131	227	338	485	672	912	1213	1573

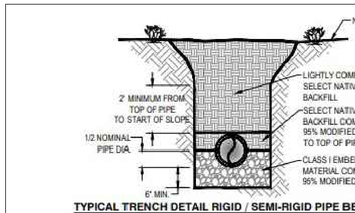
(L.F.) SILT Suggested Safe Bearing Area at 225 psi TEST Pressure
(0.28 tons / sq. ft.)

Fitting / Pipe Dia.	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"	42"	48"
11 1/4°	4	8	14	22	32	56	82	118	164	220	292	384
22 1/2°	6	12	22	34	50	86	128	184	256	348		
45°	10	18	32	50	72	124	184	264	366	498		
90°	14	26	46	72	104	180	268	384	534	724		
45°	18	32	56	88	126	220	328	470	652	886		
90°	26	48	84	132	190	330	492	708	980	1330		
Plug (dead-end)	36	66	116	182	262	454	676	970	1344	1824	2426	3146



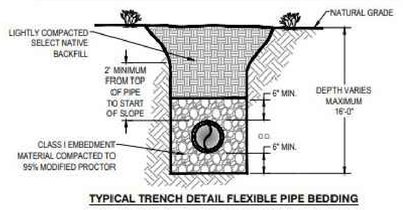
NOTES:
1. DRAINAGE BED SHALL CONSIST OF CRUSH STONE OR COURSE GRAVEL WITH COURSE SAND. MINIMUM VOLUME OF 6 CU. FT. DRAIN BED SHALL EXTEND A MINIMUM OF 6" ABOVE DRAIN OUTLET.
2. USE 6" D.I. NIPPLE WITH M.J. RETAINER GLANDS IF DISTANCE BETWEEN VALVE AND HYDRANT MUST BE GREATER THAN 17" SWIVEL ADAPTER.
3. FIRE HYDRANT TO BE BLOCKED AGAINST FIRM SOIL AS SHOWN.
4. ALL HYDRANTS SHALL BE INSTALLED PLUMB.
5. LARGE NOZZLE SHALL FACE CURB UNLESS OTHERWISE NOTED. ROTATE BARREL AS REQUIRED.
6. HYDRANT SHOULD NOT BE SET CLOSER THAN 4.0' TO OBSTRUCTIONS THAT ARE IN LINE WITH NOZZLE.
7. M.J. ANCHOR TEE OR TAPPING SLEEVE MAY BE USED (SEE MATERIAL SPECIFICATIONS) WHEN USING REGULAR M.J. TEE USE 13" SWIVEL ADAPTER NIPPLE BETWEEN TEE AND VALVE.
8. HYDRANTS TO BE SET AT DEPTHS GREATER THAN 6.0' SHALL BE SET WITH A MODIFIED FIRE HYDRANT SETTING. SEE DEEP BURY FIRE HYDRANT ASSEMBLY.
9. POLY WRAP ALL PIPE, FITTINGS, BOLTS AND NUTS
10. FOR HYDRANTS NOT SET IN CONCRETE, PAVEMENT OR SIDEWALKS, A CONCRETE PAD SHALL BE CONSTRUCTED AROUND THE HYDRANT BARREL. CONCRETE PAD SHALL BE 2'X2'X1' DEEP, REINFORCED WITH ONE #5 REBAR ALL AROUND HYDRANT.

STANDARD FIRE HYDRANT ASSEMBLY



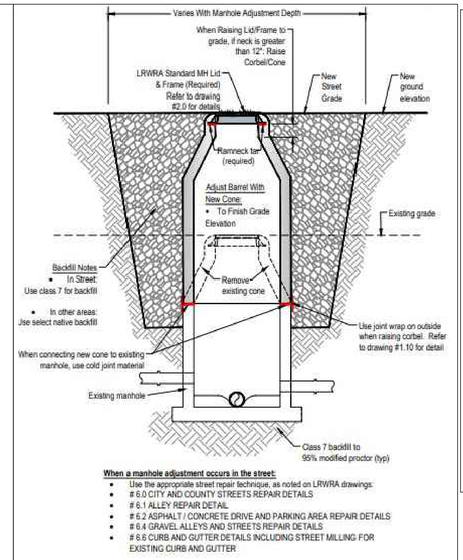
TYPICAL TRENCH DETAIL RIGID / SEMI-RIGID PIPE BEDDING

MAXIMUM WIDTH OF EXCAVATION FOR PIPE TRENCHES TABLE	
NOMINAL PIPE DIAMETER (INCHES)	MAX. WIDTH OF TRENCH FROM TOP OF PIPE TO 2' ABOVE TOP OF PIPE
6, 8, 10,	2'-6"
12, 14, 15, 16,	3'-0"
18, 21,	3'-6"
24, 30	4'-0"
36	4'-6"



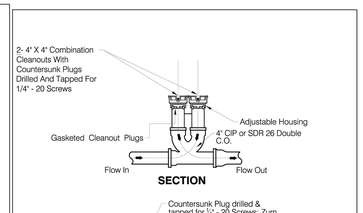
TYPICAL TRENCH DETAIL FLEXIBLE PIPE BEDDING

TYPICAL TRENCH BEDDING DETAILS FOR FLEXIBLE AND RIGID PIPE

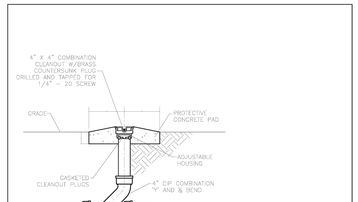


When a manhole adjustment occurs in the street:
- Use the appropriate street repair technique, as noted on LRWRA drawings:
- # 6.0 CITY AND COUNTY STREETS REPAIR DETAILS
- # 6.1 ALLEY REPAIR DETAIL
- # 6.2 ASPHALT / CONCRETE DRIVE AND PARKING AREA REPAIR DETAILS
- # 6.4 GRAVEL ALLEYS AND STREETS REPAIR DETAILS
- # 6.6 CURB AND GUTTER DETAILS INCLUDING STREET MILLING FOR EXISTING CURB AND GUTTER

TYPICAL MANHOLE ADJUST TO GRADE DETAIL



DOUBLE CLEANOUT DETAIL


4" X 4" COMBINATION CLEANOUT W/BRASS COUNTERSUNK PLUG DRILLED AND TAPPED FOR 1/4" - 20 SCREW
GRADE
PROTECTIVE CONCRETE PAD
ADJUSTABLE HOUSING
GASKETED CLEANOUT PLUGS
4" CIP COMBINATION "Y" AND ⅛ BEND
FLOW IN
FLOW OUT
SECTION
4" X 4" COMBINATION CLEANOUT W/BRASS COUNTERSUNK PLUG DRILLED AND TAPPED FOR 1/4" - 20 SCREW
PROTECTIVE CONCRETE PAD
FLOW IN
FLOW OUT
PLAN VIEW
ONE-WAY CLEANOUT
FIGURE 1-1
BRASS COUNTERSUNK PLUG DRILLED & TAPPED FOR ¼" - 20 SCREWS; ZURN #Z0249O-ABH; WADE #8590-E OR APPROVED EQUA

DRAWING ABBREVIATIONS

AB Anchor Bolt
ACS Architectural Cast Stone
ACT Acoustical Ceiling Tile
AD Area Drain
ADD Addendum
ADD'L Additional
ADJ Adjacent
AFF Above Finished Floor
AGGR Aggregate
ALUM Aluminum
ALT Alternate
ANOD Anodized
AP Access Panel
APPROX Approximate
ARCH Architectural
AWP Acoustical Wall Panel
BB Bulletin Board
B.M. Bench Mark
BD Board
BETW Between
BF Backface
BG Bumper Guard
BL Bed Locator
BL Building Line
BLDG Building
BLKG Blocking
BM Beam
BOT Bottom
BR Bumper Rail
BRD Marker Board/ Chalk Board
BRG Bearing
BRK Brick
BSMT Basement
BU ROD Back-Up Rod
BUR Built-Up Roof
BW Bearing Wall
C Compact Parking Space
CDR Card Reader
CEM Cement
CGD Corner Guard
CJ Control Joint
CL Center Line
CLG Ceiling
CLR Clear
CMB Concrete Masonry Base
CMTS Cementitious
CMU Concrete Masonry Unit
COL Column
COMM Communications
CONC Concrete
CONN Connection
CONST Construction
CONT Continuous
COORD Coordinate
CORR Corridor
CPT Carpet
CR Crash Rail
CRJ Construction Joint
CRT Ceramic Tile
CSK Countersunk
CTD Centered
CTR Center
CW Curtain Wall
D Depth
DBA Deformed Bar Anchor
DET Detail
DF Drinking Fountain
DIA Diameter
DIAPH Diaphragm
DIM Dimension
DISP Dispenser
DJ Deflection Joint
DK Desk
DL Dead Load
DN Down
DS Down Spout
DS Dishwasher
DWG Drawing
DWGS Drawings
DWLS Dowels
EA Each
EF Each Face
EIFS Exterior Insulation and Finish System
EJ Expansion Joint
EL Elevation
ELEC Electric
ELEV Elevator
EQ Equal
EQUIP Equipment
ESC Escalator
EW Each Way
EWC Electric Water Cooler
EXP BLT Expansion Bolt
EXT Exterior
FD Floor Drain
FDN Foundation
FE Fire Extinguisher
FEC Fire Extinguisher Cabinet
FF Finish Floor
FHC Fire Hose Cabinet
FIN Finish
FLR Floor
FMH Fume Hoods
FOS Face of Stud
FS Far Side
FT Foot
FTG Footing
FV Field Verify
FVC Fire Valve Cabinet
FXS Fixed Seating
GA Gauge
GALV Galvanized
GB Grade Beam
GDC Ground Concrete
GEN General
GFRC Glass-Fiber Reinforced Concrete
GI Galvanized Iron
GL Glass
GLS Glass Mosaic Tile
GND Ground
GRG Glass- Reinforced Gypsum
GRT Grout
GYP BD Gypsum Board
HB Hose Bib
HDW Hardware
HDWD Hardwood
HK Hook
HM Hollow Metal
HOR Horizontal
HP High Point
HR Hour
HS Headed Stud
HSKP Housekeeping
HT Height
HW Hand Wash
ID Inside Diameter
IM Ice Machine
INSUL Insulation
INT Interior
IPC Interior Paint Color
IPT Interior Paint
JT Joint
K Kips (1000 LB)
KO Knock-Out
KP Kickplate
KPD Keypad
KSP Kips Per Square Foot
L Angle
LAV Lavatory
LG Long
LKB Lockable
LKR Locker
LL Live Load
LLH Long Leg Horizontal
LLV Long Leg Vertical
LOC Location
LP Low Point
LT Light
LVT Luxury Vinyl Tile
LWC Lightweight Concrete
MAS Masonry
MATL Material
MAX Maximum
MBL Marble
MECH Mechanical
MEMB Membrane
MFG Manufacturer
MISC Miscellaneous
MO Masonry Opening
MOD BIT Modified Bitumen
MOD Modified
MSL Mean Sea Level
MTL Metal
MW Microwave
N/A Not Applicable
NA Not Available
NIC Not in Contract
NOM Nominal
NS Near Side
NTS Not to Scale
NWC Normal Weight Concrete
OA Over All
OC On Center
OD Outside Diameter
OD Overflow Drain
OFCI Owner Furnished, Contractor Installed
OFOI Owner Furnished, Owner Installed
OH Opposite Hand
OPNG Opening
OPP Opposite
OSF Outside Face
PL Plastic Laminate
PC Precast Concrete
PCF Pounds per Cubic Foot
PCT Porcelain Tile
PENT Penthouse
PL Property Line
PL Plate
PLUMB Plumbing
PLYWD Plywood
PP Push Plate
POL Polished
PORT CEM Portland Cement
PR Pair
PREFAB Prefabricated
PRP Plastic Resin Panel
PSF Pounds per Square Foot
PSI Pounds per Square Inch
PT Point
PTB Porcelain Tile Base
PTD Painted
R Riser
RAD Radius
RAF Rubberized Asphalt Flashing
RAM Rubberized Asphalt Membrane
RAU Rubberized Asphalt Underlayment
RB Rubber Base
RBB Rubber Base
RBT Rubber Tile
RCP Reflected Ceiling Plan
RD Roof Drain
REBAR Reinforcing Bar
RECP Receptacle
REF Refer or Reference
REINF Reinforcing
RELOC Relocate/ Relocated
REQ'D Required
RFVC Recessed Fire Valve Cab
RM Room
RO Rough Opening
SAB Sound Attenuation Blanket
SBC Standard Building Code
SCHED Schedule
SDL Superimposed Dead Load
SECT Section
SHT Sheet
SHWR Shower
SIM Similar
SLC Sealed Concrete
SO Structural Opening
SOG Slab on Grade
SP Stand Pipe
SPA Space or Spacing
SPEC Specification
SQ Square
SSC Solid Surface
SS Stainless Steel
STA Station
STC Sound Transmission Class
STC Stained Concrete
STD Standard
STIFF Stiffener
STIR Stirrup
STL Steel
STRUC Structural
SWC Specialty Wall Covering
SYM Symmetrical
SVL - Sheet Vinyl
SYS System
T Tread
T&B Top and Bottom
TB Twin Bed
TC Top of Curb
TEL Telephone
TEMP Temperature
TH Threshold
THK Thick
TLP Toilet Partition
TLT Toilet
TOB Top of Beam
TOC Top of Concrete
TOF Top of Footing
TOP Top of Parapet
TOS Top of Slab
TOSTL Top of Steel
TRZ Poured Terrazzo
TT Treatment Table
TW Top of Wall
TYP Typical
UNO Unless Noted Otherwise
VAR Varies
VCT Vinyl Composition Tile
VERT Vertical
VEST Vestibule
VIF Verify In Field
VWC Vinyl Wall Covering
W/ With
W/O Without
W Width
W.P. Waterproof(ing)
WD Wood
WDM Wood Millwork
WF Wide Flange
WL Wind Load
WKS Walk Off System
WNB Window Blinds
WP Work Point
WT Whirlpool Tub
WWF Welded Wire Fabric

FLOOR PLAN LEGEND

0	COLUMN GRID
1 SIM / A101	DETAIL NUMBER / SHEET LOCATION
1 / A101	VIEW NUMBER / SHEET LOCATION
1 SIM / A101	SECTION NUMBER / SHEET LOCATION
Level Name / Elevation	REFERENCE ELEVATION
1i / 1'-0" A.F.F.	CEILING MATERIAL / CEILING HEIGHT
ROOM / 100	ROOM NAME / ROOM NUMBER
A100/A1	ELEVATION TAG
1A	PARTITION TYPE
TA-1	TOILET ACCESSORY TYPE
101	DOOR NUMBER
AL-XX	FRAME TYPE
1	REVISION TAG
FEC	FIRE EXTINGUISHER CABINET
F.E.	FIRE EXTINGUISHER
B.B.	BULLETIN BOARD
C.G.	CORNER GUARD

MATERIALS LEGEND

CONCRETE
WOOD PANELING (ELEVATION)
SOIL/ EARTH
GYP. BOARD
STEEL / METAL
PLYWOOD OR EXTERIOR SHEATHING
RIGID INSULATION
BATT INSULATION
BRICK VENEER

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OWNER

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04/30/2026
DATE

GENERAL INFORMATION

TITLE

A001

SHEET NO.

Project Name
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5/4/2026 8:25:37 AM

ENTRY DRIVE

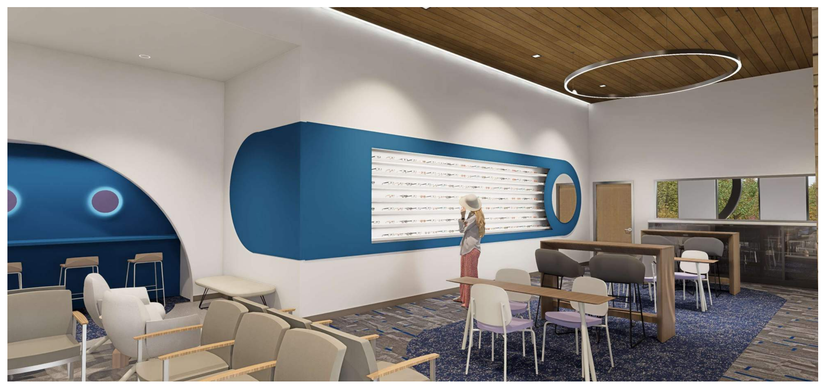
RAHLING ROAD @ ENTRY

ZOOMED IN OF ENTRY CANOPY

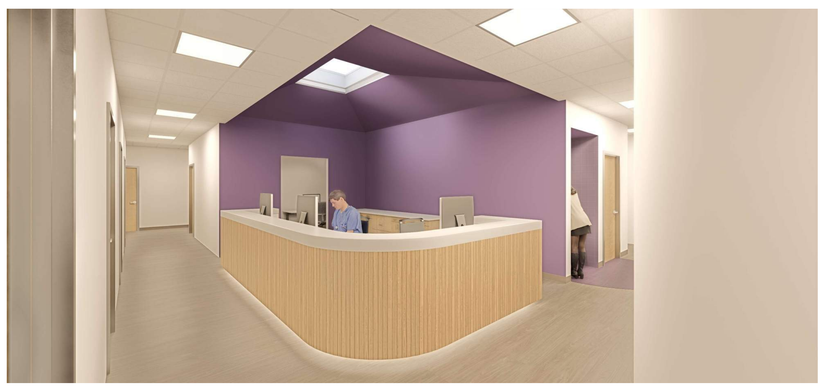
RAHLING AND CHENAL VALLEY DR INTERSECTION

LOBBY ENTRANCE

LOBBY WAITING



OPTICAL SHOP EAST WALL



TECH STATION

Project Name
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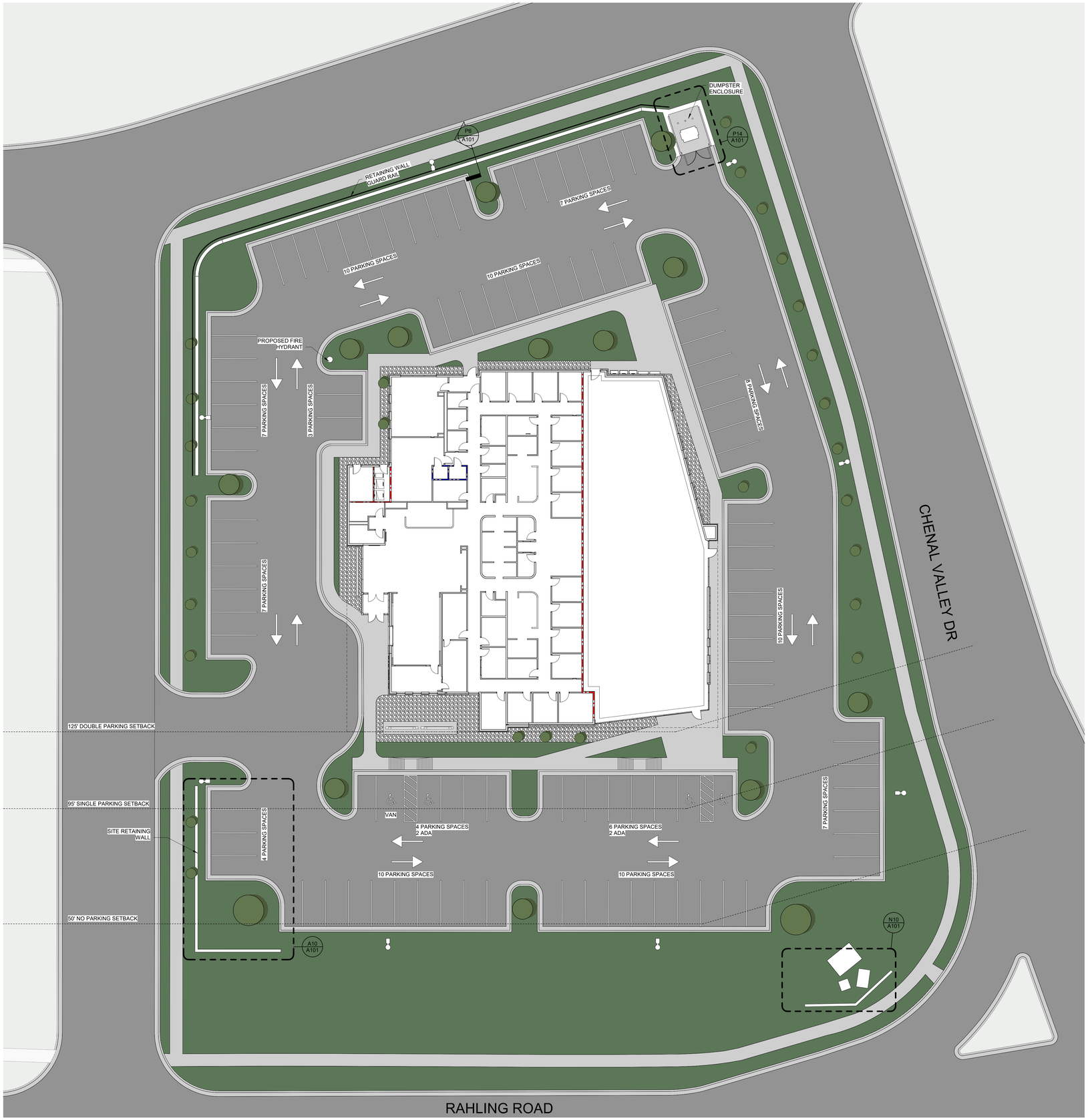
JOB NO.

04/30/2026
DATE

IMAGERY
TITLE

A002
SHEET NO.



C14 SITE PLAN
1/16" = 1'-0"

SCALE : 1/16" = 1'-0"

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SITE PLAN
TITLE

A100
SHEET NO.

Project Name
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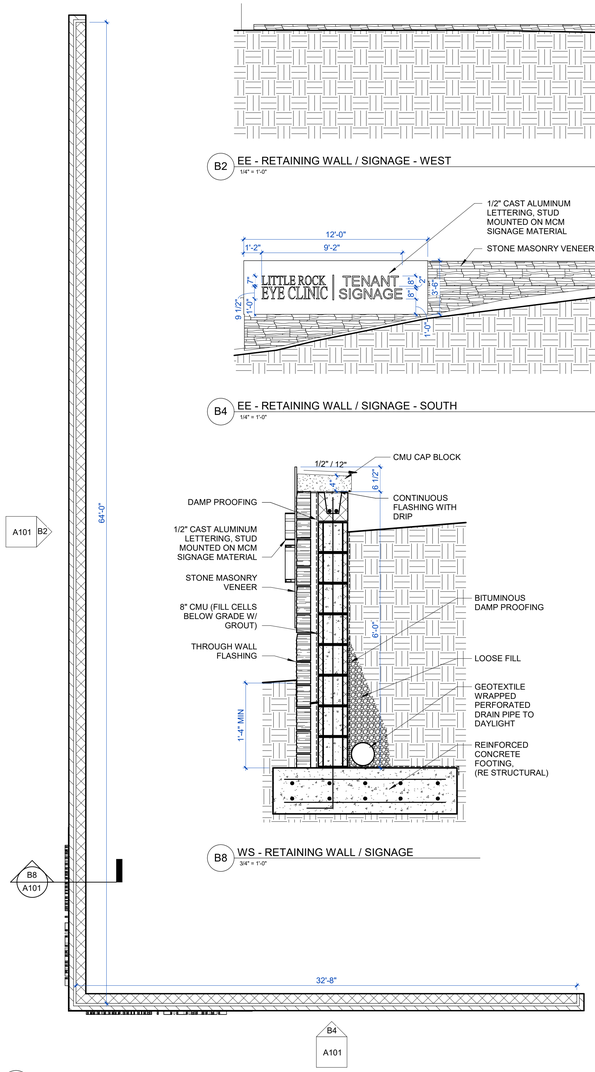
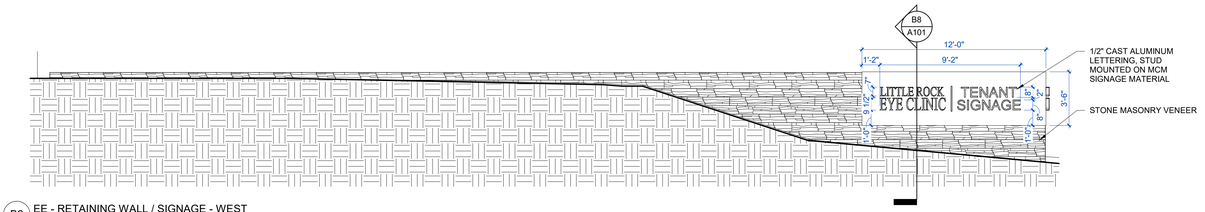
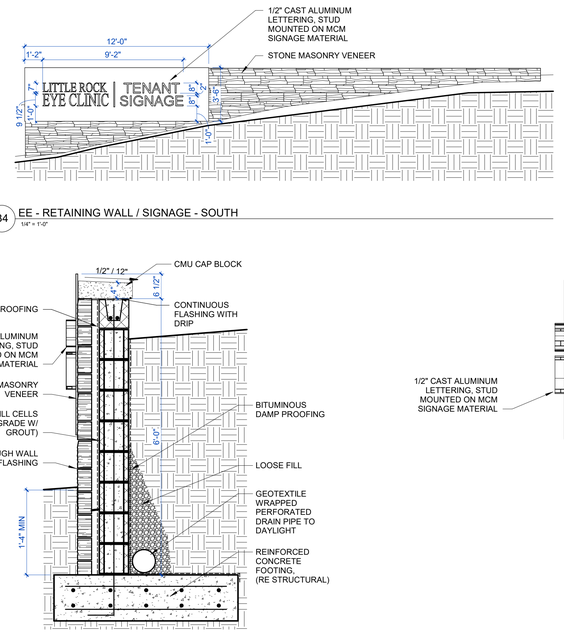


B2 EE - RETAINING WALL / SIGNAGE - WEST
1/4" = 1'-0"

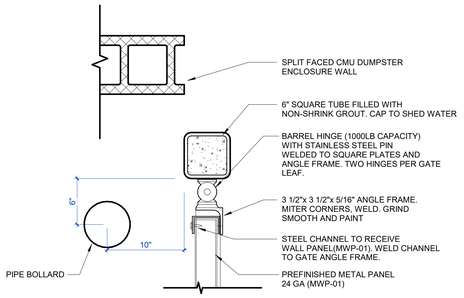


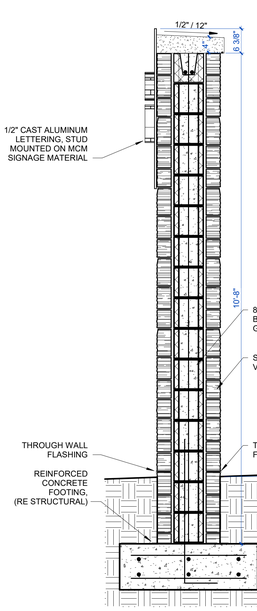
B4 EE - RETAINING WALL / SIGNAGE - SOUTH
1/4" = 1'-0"



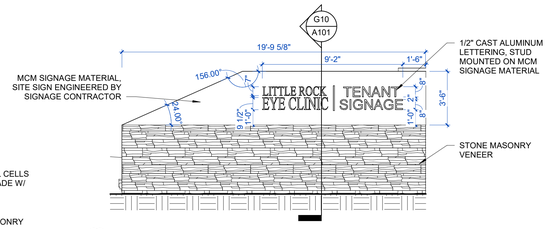
B8 WS - RETAINING WALL / SIGNAGE
3/4" = 1'-0"

A14 JAMB @ DUMPSTER ENCLOSURE
1 1/2" = 1'-0"

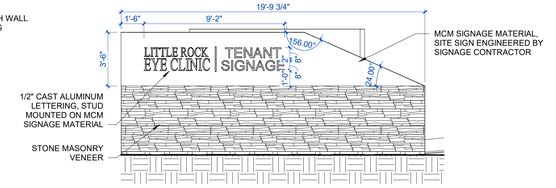




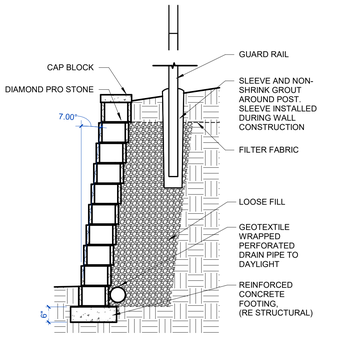
G10 WS - EXTERIOR SIGN
3/4" = 1'-0"



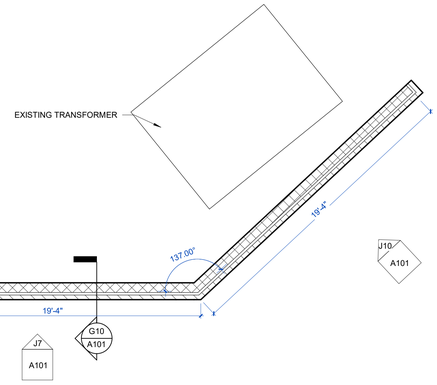
J7 EE - EXTERIOR SIGN - SOUTH
1/4" = 1'-0"



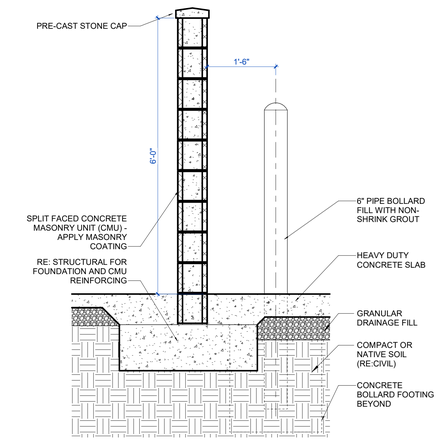
J10 EE - EXTERIOR SIGN - EAST
1/4" = 1'-0"



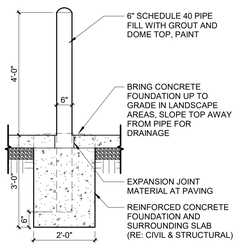
P6 WS - SEGMENTED RETAINING WALL
1/2" = 1'-0"



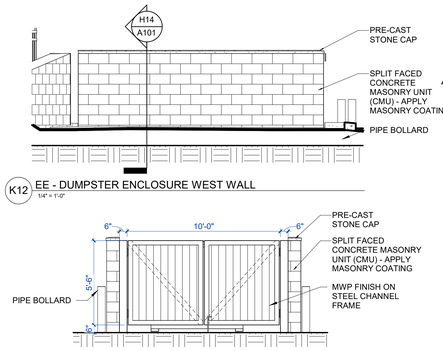
N10 EP - EXTERIOR SIGN
1/4" = 1'-0"



H14 WS - DUMPSTER ENCLOSURE WALL
3/4" = 1'-0"

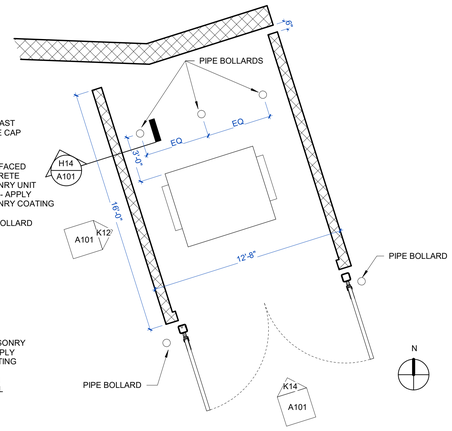


E14 PIPE BOLLARD
1/2" = 1'-0"



K12 EE - DUMPSTER ENCLOSURE WEST WALL
1/4" = 1'-0"

K14 EE - DUMPSTER ENCLOSURE SOUTH WALL
1/4" = 1'-0"



P14 EP - DUMPSTER ENCLOSURE
1/4" = 1'-0"

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SITE DETAILS
TITLE

A101
SHEET NO.

Project Name
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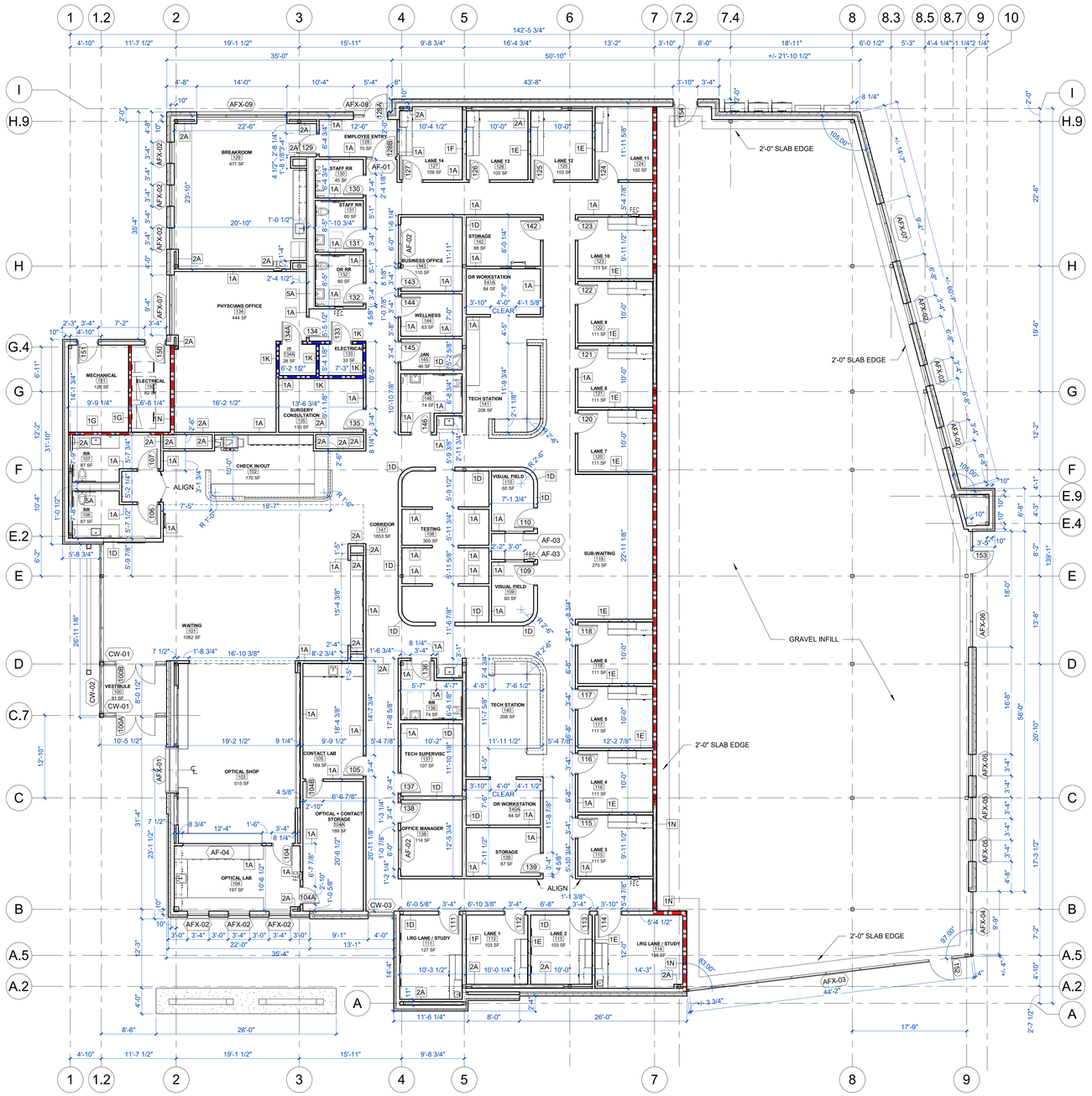

F14 GROUND FLOOR - DIMENSION PLAN
1/8" = 1'-0"

OUTSIDE OF EXTERIOR WALL - LR EYE CLINIC:	11,000 SF
OUTSIDE OF EXTERIOR WALL - TENANT 1:	3,070 SF
OUTSIDE OF EXTERIOR WALL - TENANT 2:	2,980 SF
TOTAL OUTSIDE OF EXTERIOR WALL:	**17,050 SF**
RENTABLE AREA - LR EYE CLINIC:	10,550 SF
RENTABLE AREA - TENANT 1:	3,000 SF
RENTABLE AREA - TENANT 2:	2,790 SF
TOTAL RENTABLE AREA:	**16,340 SF**

Project Name
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FLOOR PLAN - DIMENSION
TITLE

A102
SHEET NO.

OUTSIDE OF EXTERIOR WALL - LR EYE CLINIC: 11,000 SF

OUTSIDE OF EXTERIOR WALL - TENANT 1: 3,070 SF

OUTSIDE OF EXTERIOR WALL - TENANT 2: 2,980 SF

TOTAL OUTSIDE OF EXTERIOR WALL: 17,050 SF

RENTABLE AREA - LR EYE CLINIC: 10,550 SF

RENTABLE AREA - TENANT 1: 3,000 SF

RENTABLE AREA - TENANT 2: 2,790 SF

TOTAL RENTABLE AREA: 16,340 SF

F14 GROUND FLOOR - NOTE PLAN
1/8" = 1'-0"

Project Norns
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FLOOR PLAN - NOTES
TITLE

A103
SHEET NO.

G14 GROUND FLOOR - RCP
1/8" = 1'-0"

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DESIGN DEVELOPMENT

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LREYEC26.00
JOB NO.

04/30/2026
DATE

REFLECTED CEILING PLAN

TITLE

A111

SHEET NO.

Project Name
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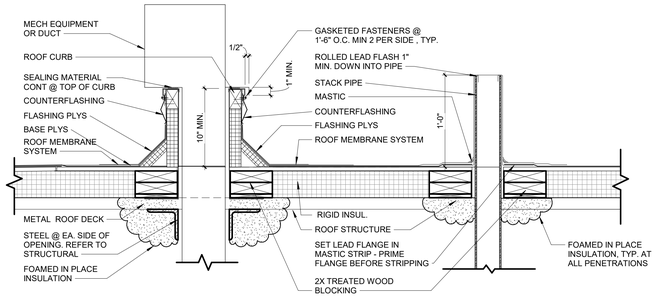
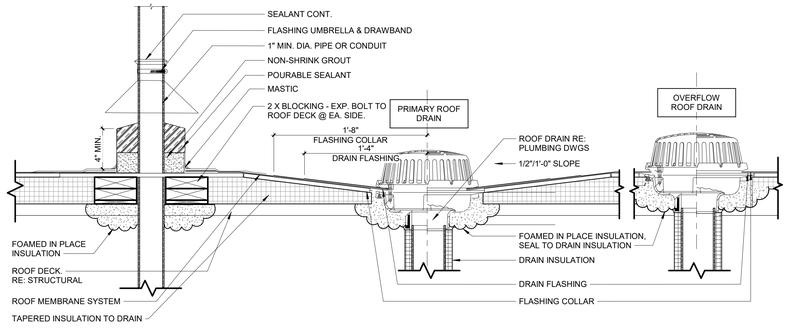
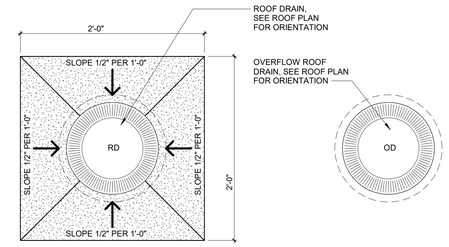
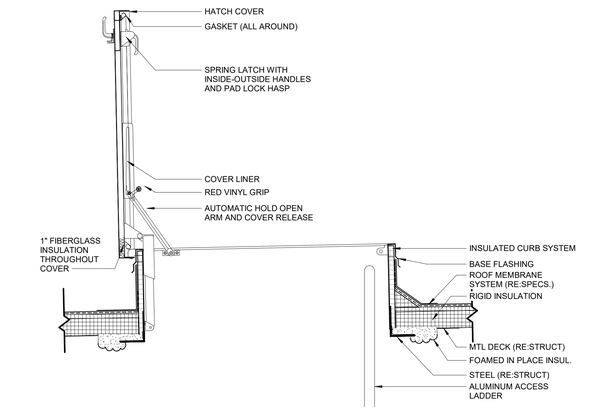


A4 ROOF DETAIL - TYPICAL MEMBRANE ROOFING DETAILS
1 1/2" = 1'-0"

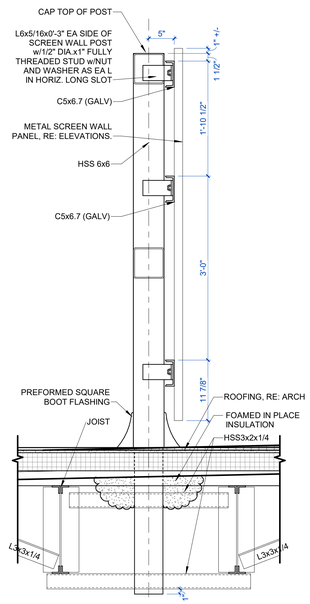




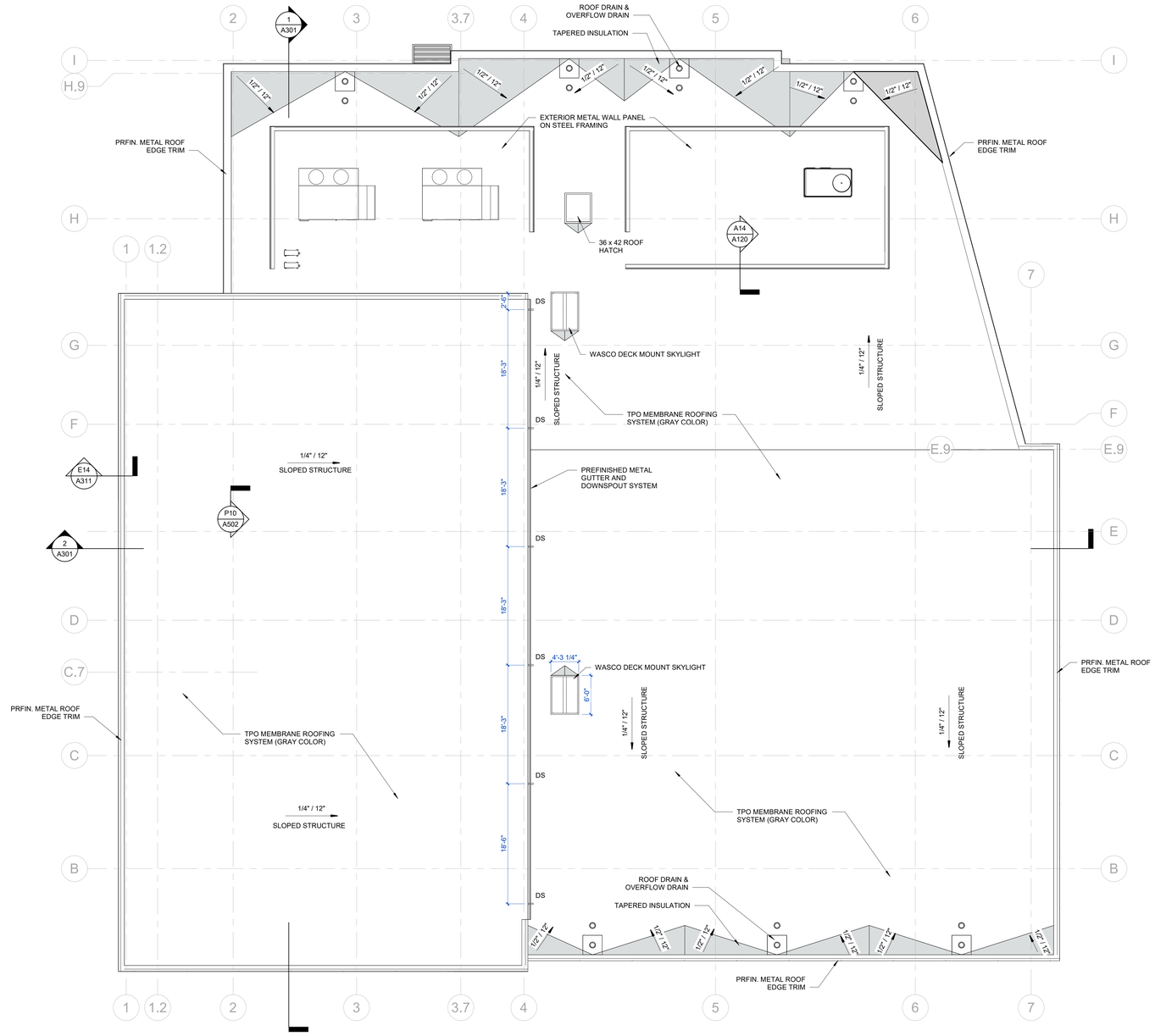
N4 PLAN DETAIL - TYPICAL ROOF DRAIN SUMP DRAIN
1 1/2" = 1'-0"



A8 SECTION DETAIL - ROOF HATCH
1" = 1'-0"



A14 SECTION DETAIL - MECHANICAL SCREEN WALL
1" = 1'-0"



G14 ROOF PLAN
1/8" = 1'-0"

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ROOF PLAN
TITLE

A120
SHEET NO.

Project Name
Autodesk Docs://Little Rock Eye Clinic - West/Little Rock Eye Clinic - Central_V25.rvt
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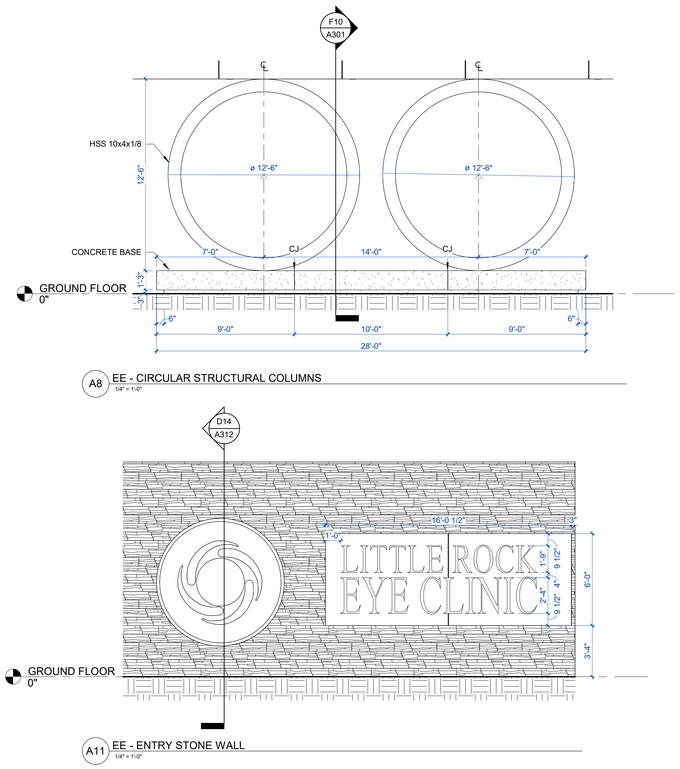
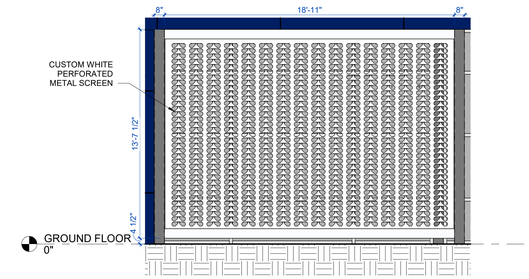
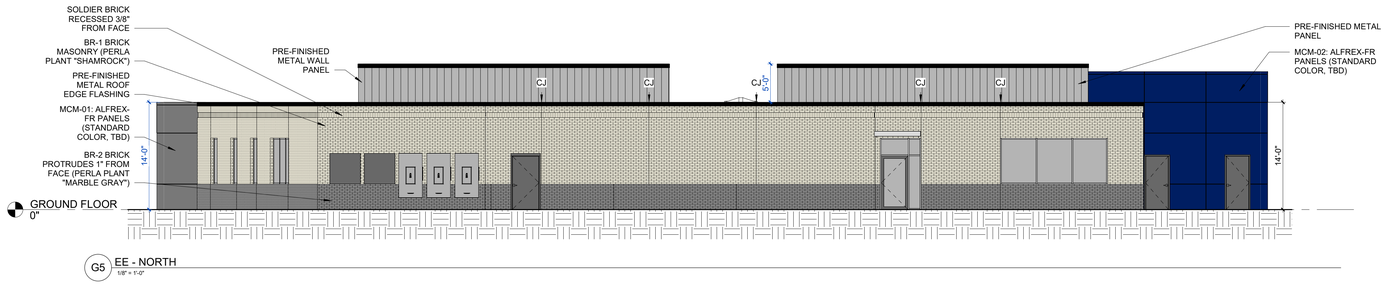


A8 EE - CIRCULAR STRUCTURAL COLUMNS
1/4" = 1'-0"

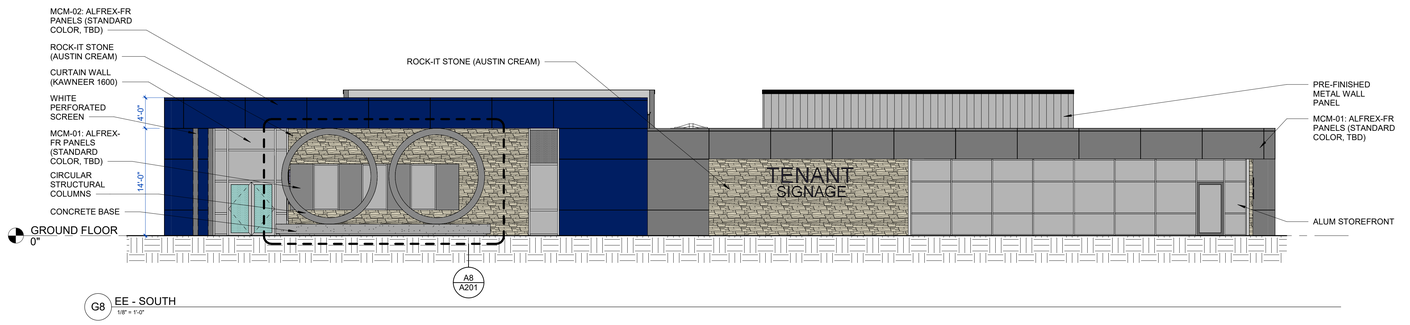
A11 EE - ENTRY STONE WALL
1/4" = 1'-0"



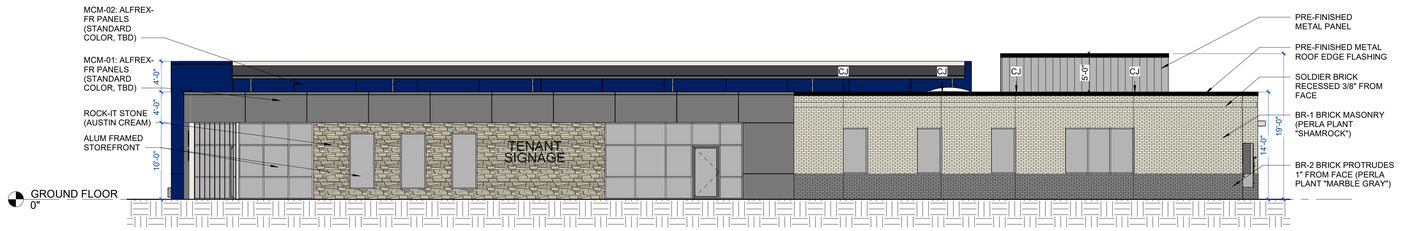
A14 EE - PERFORATED SCREEN WALL
1/4" = 1'-0"



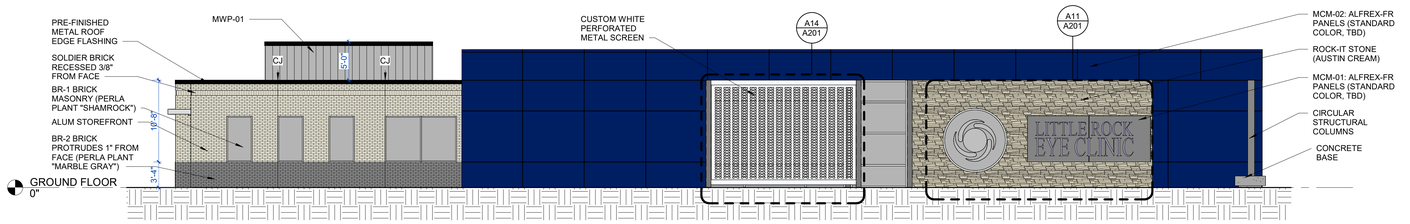
G5 EE - NORTH
1/8" = 1'-0"



G8 EE - SOUTH
1/8" = 1'-0"



G11 EE - EAST
1/8" = 1'-0"



G14 EE - WEST
1/8" = 1'-0"

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TITLE

A201

SHEET NO.

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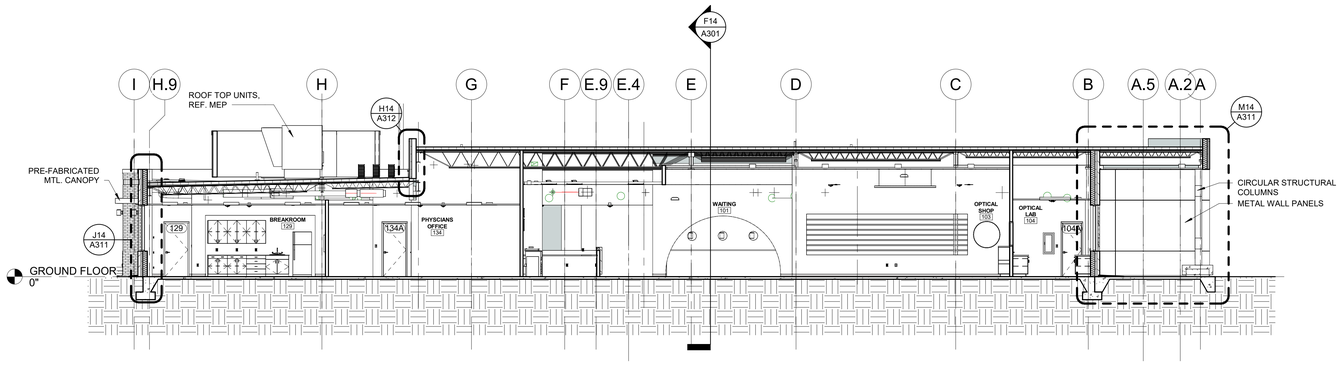
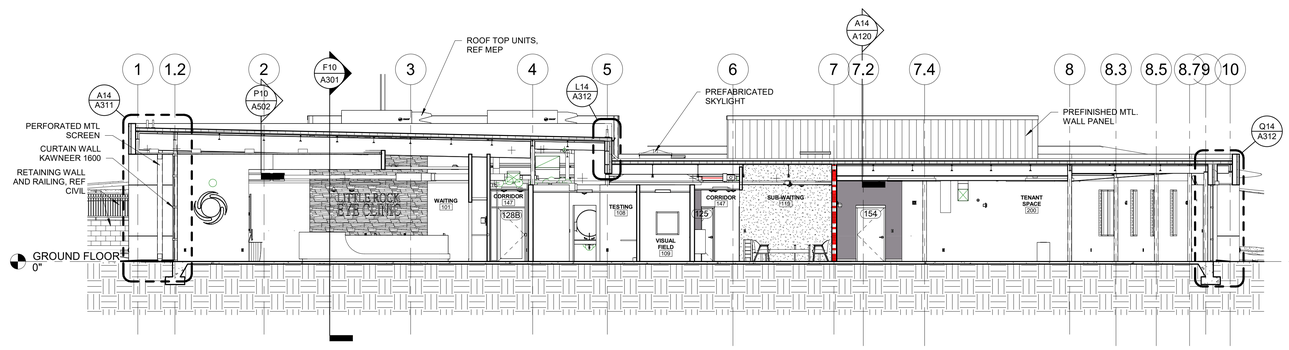


F10 BS - 1
1/8" = 1'-0"



F14 BS - 2
1/8" = 1'-0"

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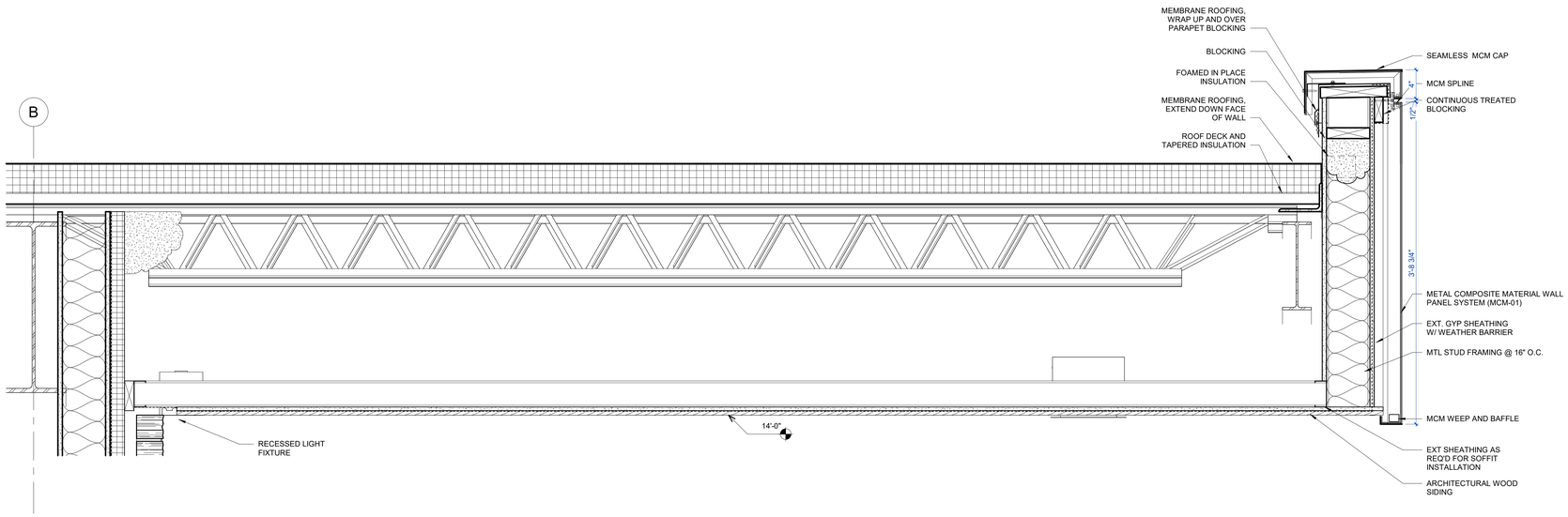
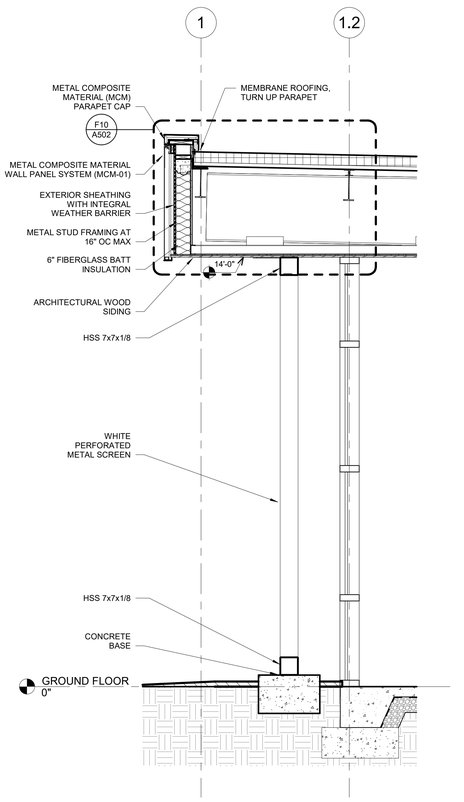
BUILDING SECTIONS
TITLE

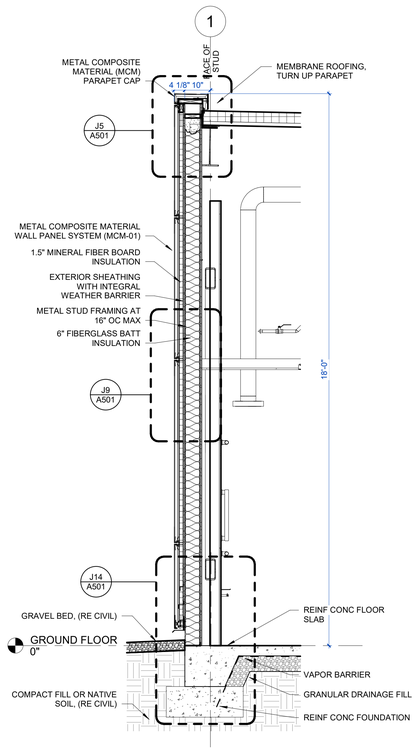
A301
SHEET NO.



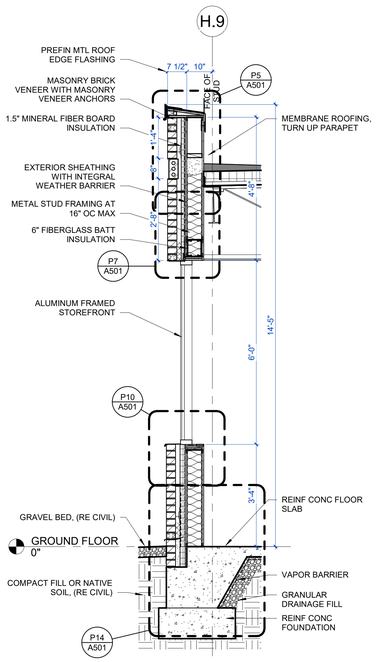
A5 SECTION DETAIL - CLINIC CANOPY @ CIRCULAR STRUCTURAL COLUMNS
1 1/2" = 1'-0"



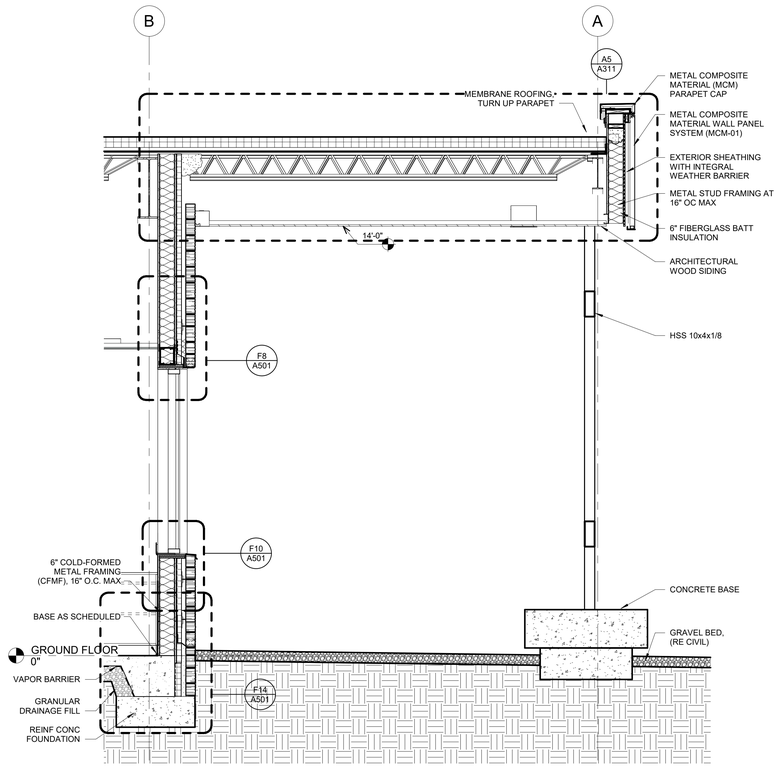
A14 WS @ CURTAIN WALL
1/2" = 1'-0"



E14 WS - MCM WALL
1/2" = 1'-0"



J14 WS - MASONRY WALL @ WINDOW
1/2" = 1'-0"



M14 WS - STONE WALL @ WINDOW
1/2" = 1'-0"

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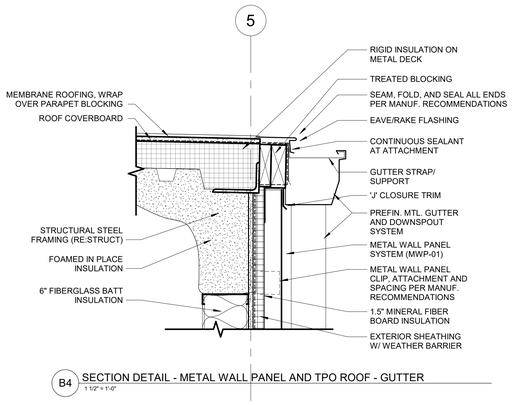
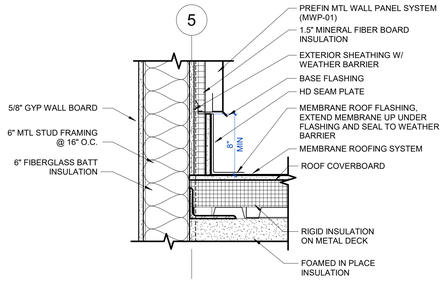
WALL SECTIONS
TITLE

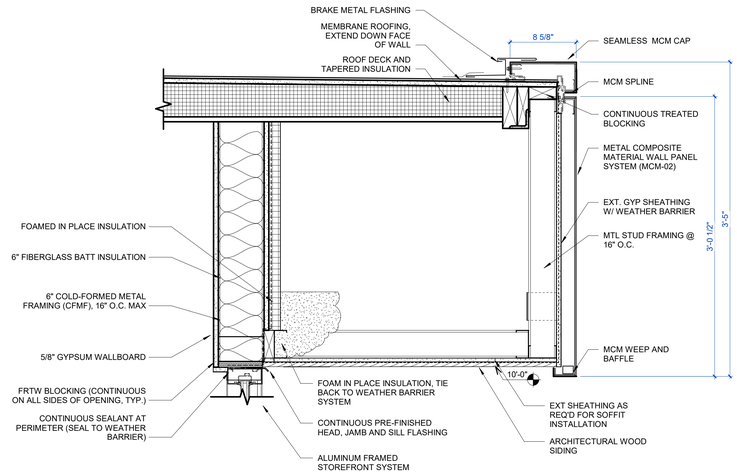
A311
SHEET NO.



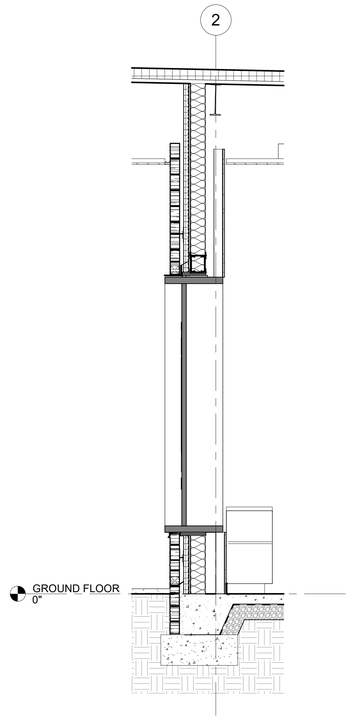
B4 SECTION DETAIL - METAL WALL PANEL AND TPO ROOF - GUTTER
1 1/2" = 1'-0"



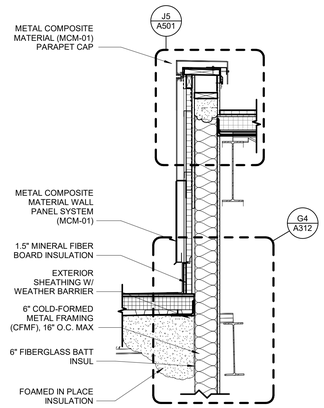
G4 SECTION DETAIL - ROOF TO MWP
1 1/2" = 1'-0"



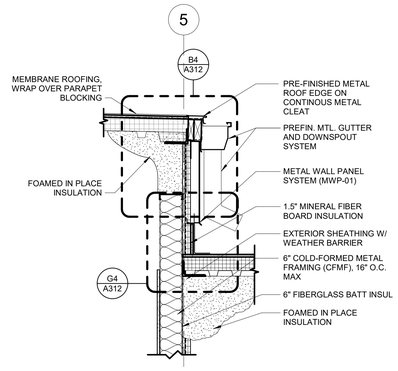
M5 SECTION DETAIL - TENANT CANOPY
1 1/2" = 1'-0"



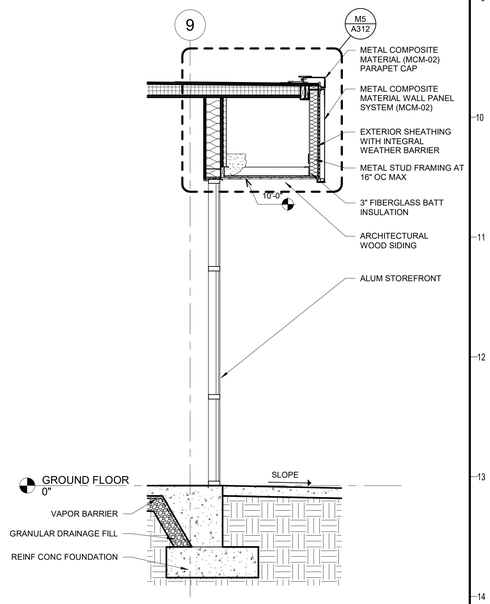
D14 WS - OPTICAL SHOP - CIRCLE WINDOW
1/2" = 1'-0"



H14 WS - POP-UP ROOF NORTH
3/4" = 1'-0"



L14 WS -POP-UP ROOF EAST
3/4" = 1'-0"



Q14 WS - TENANT CANOPY @ STOREFRONT
1/2" = 1'-0"

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TITLE

A312
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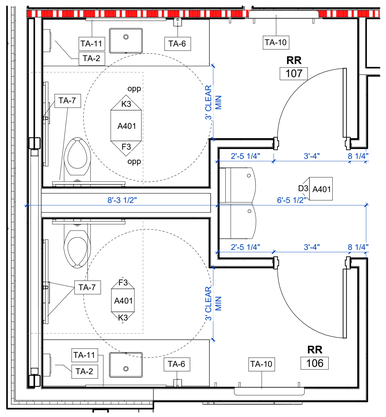
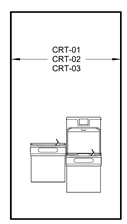


A4 EP - WAITING AREA RESTROOMS
3/8" = 1'-0"



D3 IE - WATER FOUNTAIN
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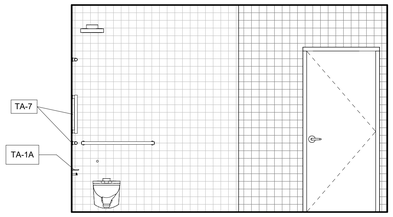
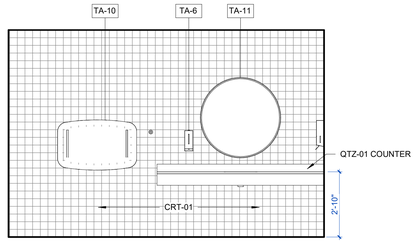
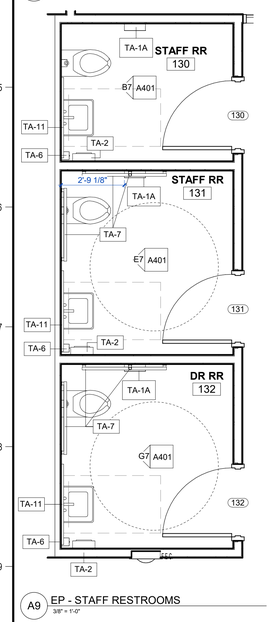


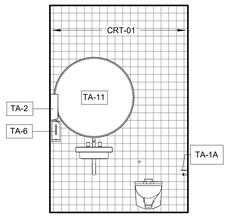
F3 IE - 106 RR NORTH
3/8" = 1'-0"



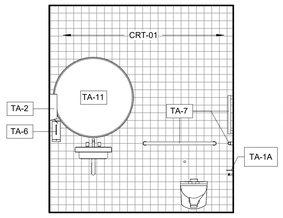
K3 IE - 106 RR SOUTH
3/8" = 1'-0"



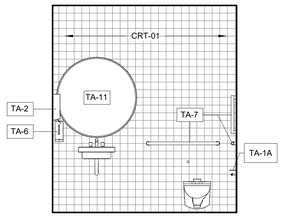
A9 EP - STAFF RESTROOMS
3/8" = 1'-0"



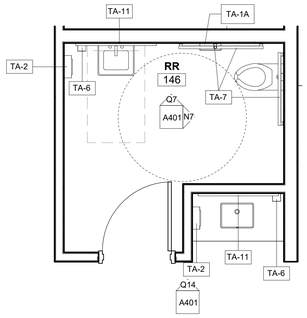
B7 IE - 129 STAFF RR WEST
3/8" = 1'-0"



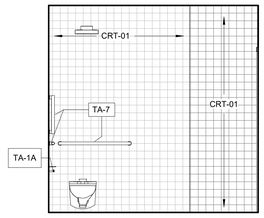
E7 IE - 130 STAFF RR WEST
3/8" = 1'-0"



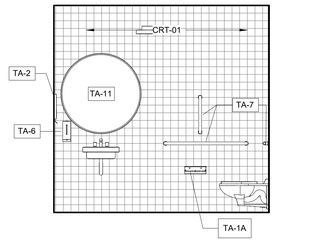
G7 IE - 131 DR RR WEST
3/8" = 1'-0"



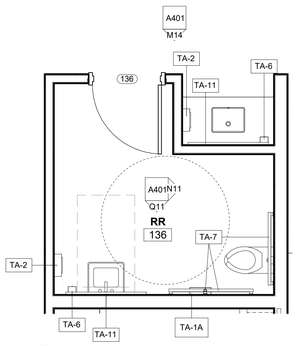
K7 EP - 148 RR
3/8" = 1'-0"



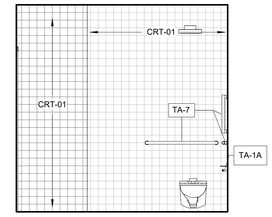
N7 IE - 148 RR EAST
3/8" = 1'-0"



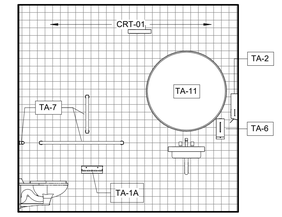
Q7 IE - 148 RR NORTH
3/8" = 1'-0"



K11 EP - 135 RR
3/8" = 1'-0"

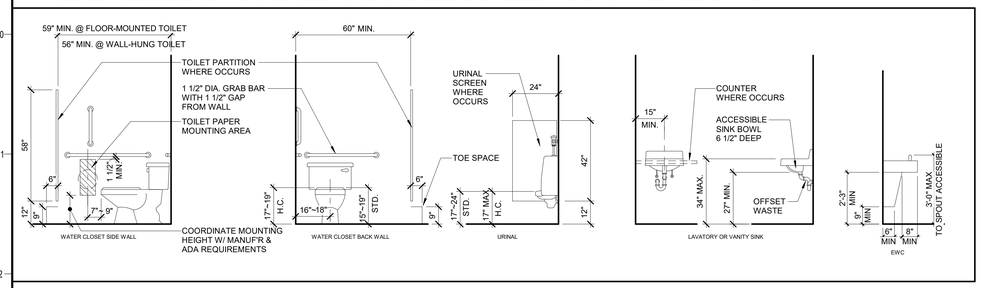


N11 IE - 135 RR EAST
3/8" = 1'-0"

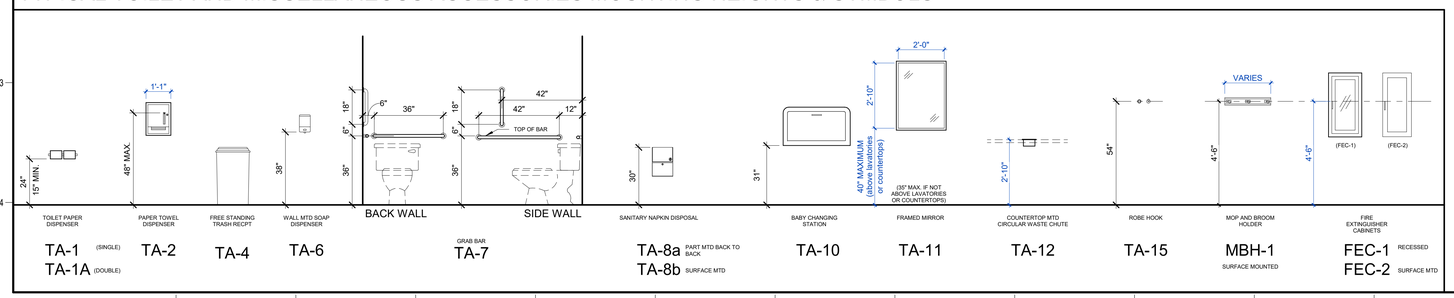


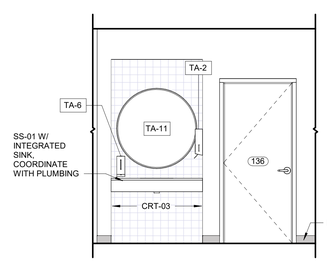
Q11 IE - 135 RR SOUTH
3/8" = 1'-0"

TYPICAL PLUMBING FIXTURES AND ACCESSORIES MOUNTING HEIGHTS

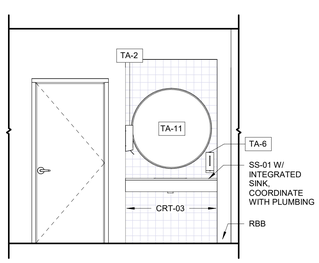


TYPICAL TOILET AND MISCELLANEOUS ACCESSORIES MOUNTING HEIGHTS & SYMBOLS





M14 IE - 139 RR CORRIDOR SINK
3/8" = 1'-0"



Q14 IE - 152 RR CORRIDOR SINK
3/8" = 1'-0"

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A401
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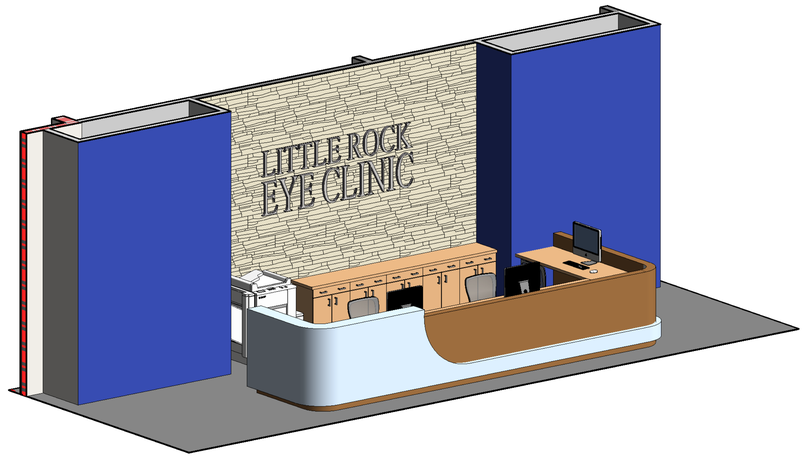
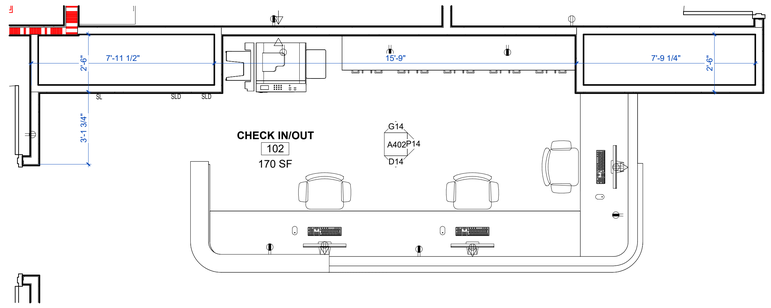
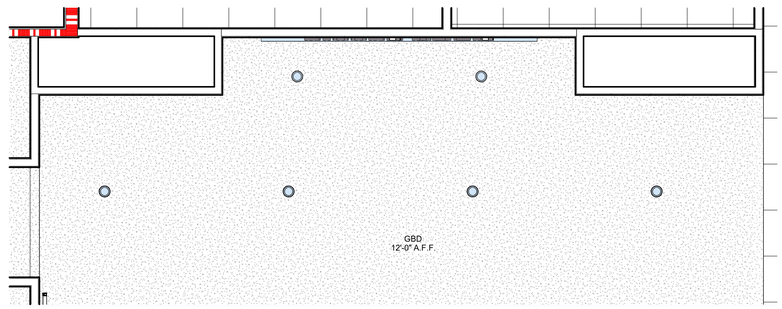


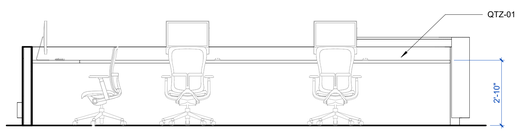
B10 3D VIEW - CHECK IN/OUT



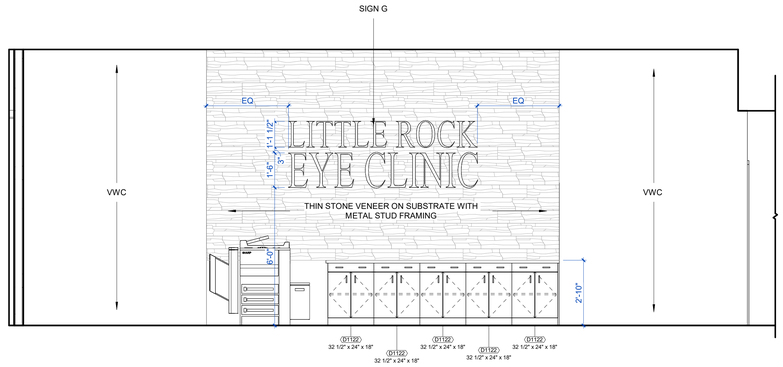
L7 EP - CHECK IN/OUT
3/8" = 1'-0"



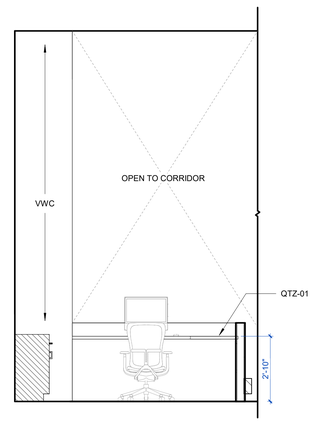
L10 ERCP - CHECK IN/OUT
3/8" = 1'-0"



D14 IE - CHECK IN/OUT
3/8" = 1'-0"



G14 IE - CHECK IN/OUT CASEWORK WALL
3/8" = 1'-0"



P14 IE - CHECK IN/OUT WORKER STATION
3/8" = 1'-0"

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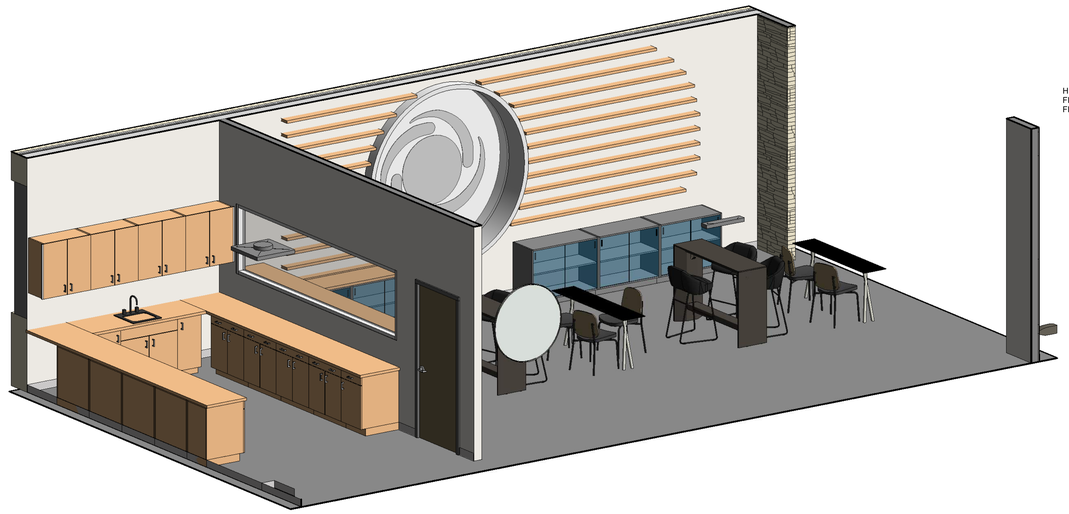
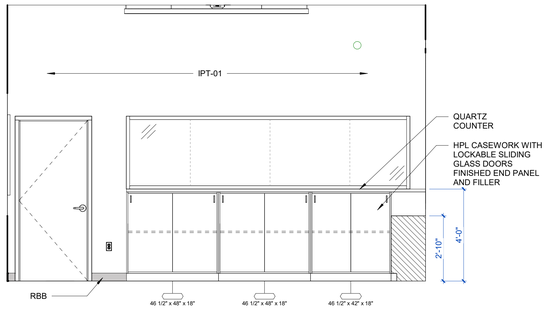
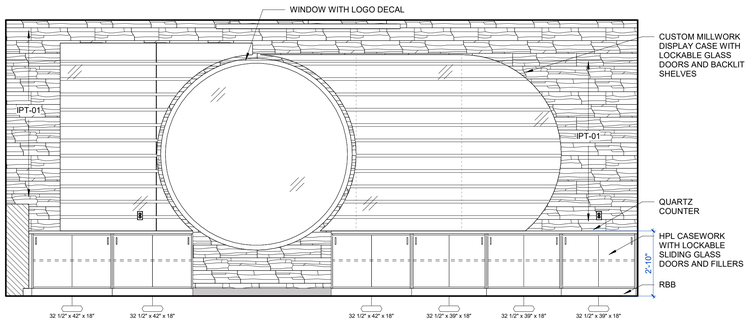


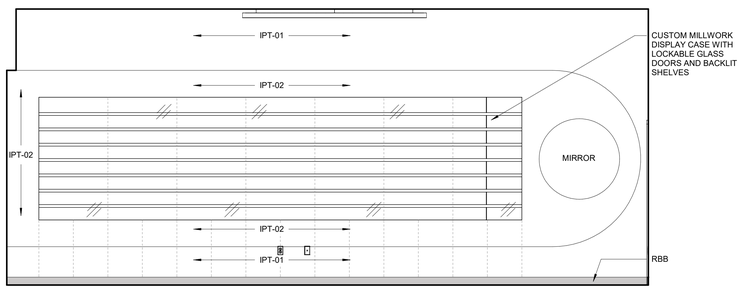
A5 3D VIEW - OPTICAL SHOP



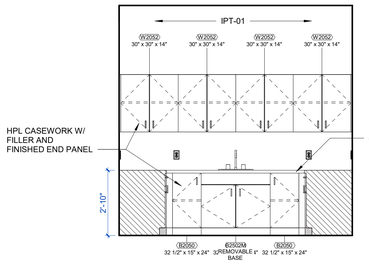
A8 IE - 102 OPTICAL SHOP - SOUTH
3/8" = 1'-0"



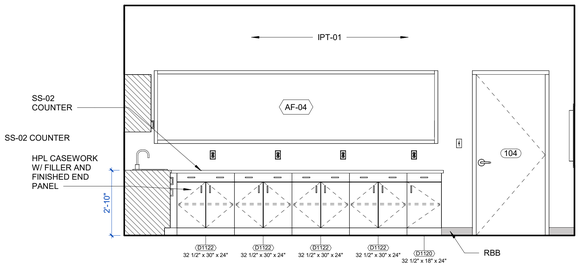
A11 IE - 102 OPTICAL SHOP - WEST
3/8" = 1'-0"



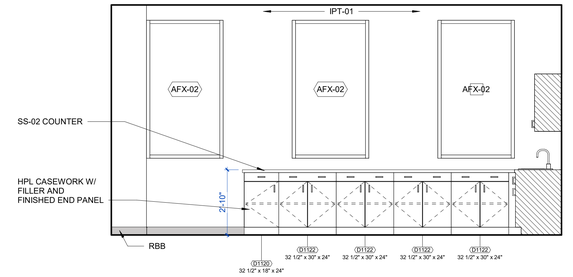
A14 IE - 102 OPTICAL SHOP - EAST
3/8" = 1'-0"



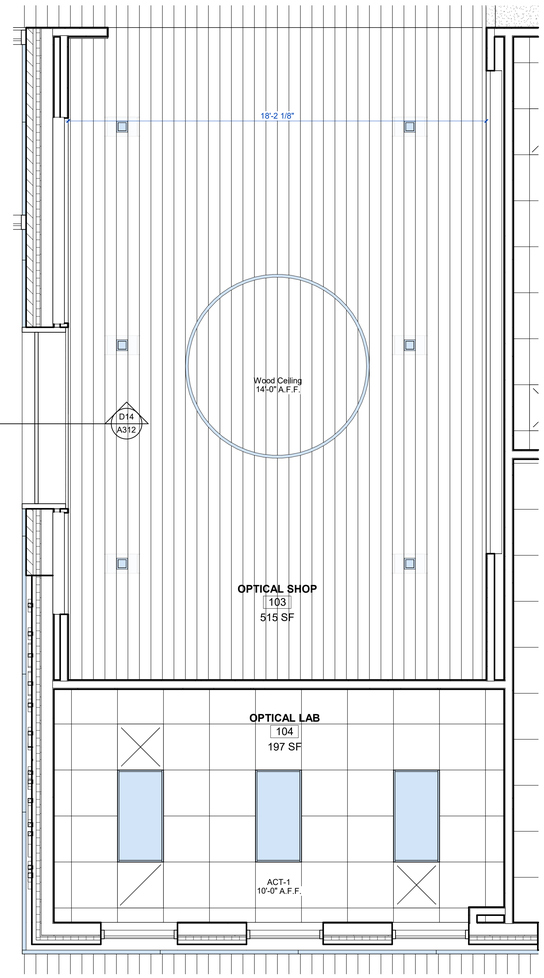
L2 IE - OPTICAL LAB SINK WALL
3/8" = 1'-0"



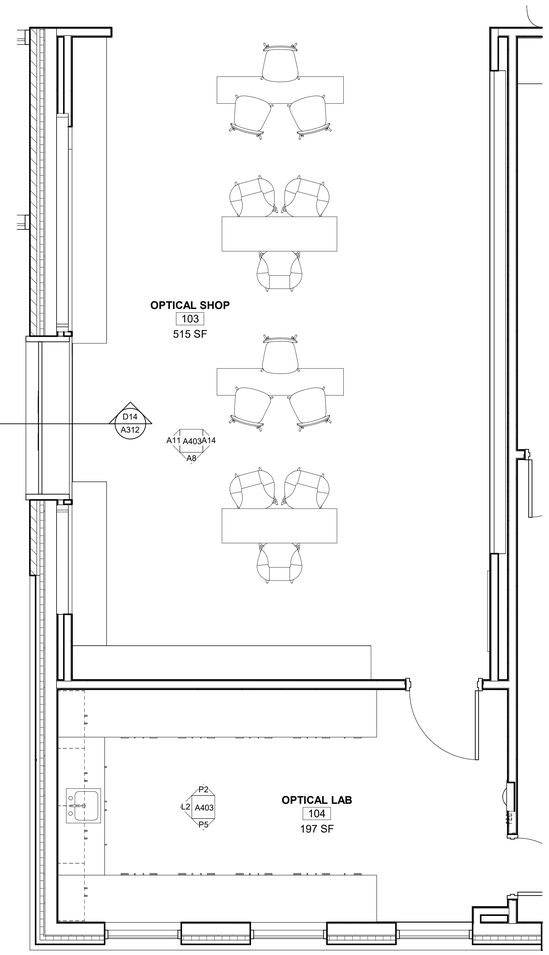
P2 IE - OPTICAL LAB INTERIOR WINDOW WALL
3/8" = 1'-0"



P5 IE - OPTICAL LAB EXTERIOR WINDOW WALL
3/8" = 1'-0"



H14 ERCP - OPTICAL SHOP + LAB
3/8" = 1'-0"



N14 EP - OPTICAL SHOP + LAB
3/8" = 1'-0"

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TITLE

A403
SHEET NO.

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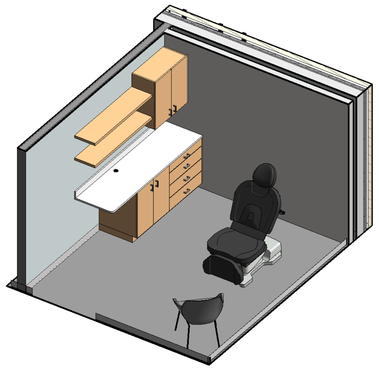
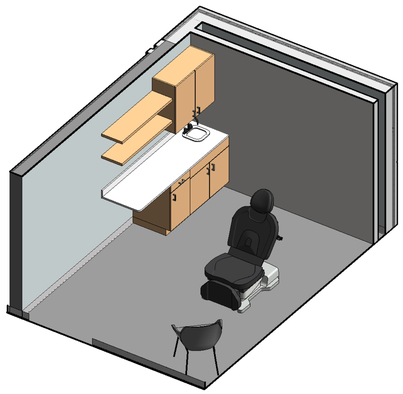
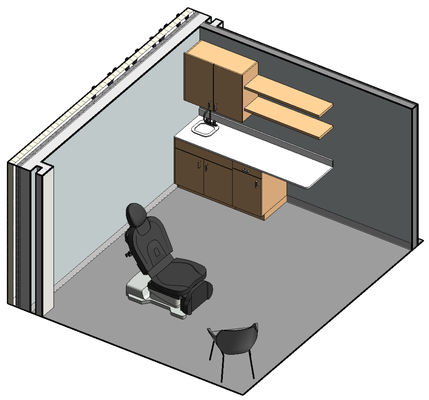


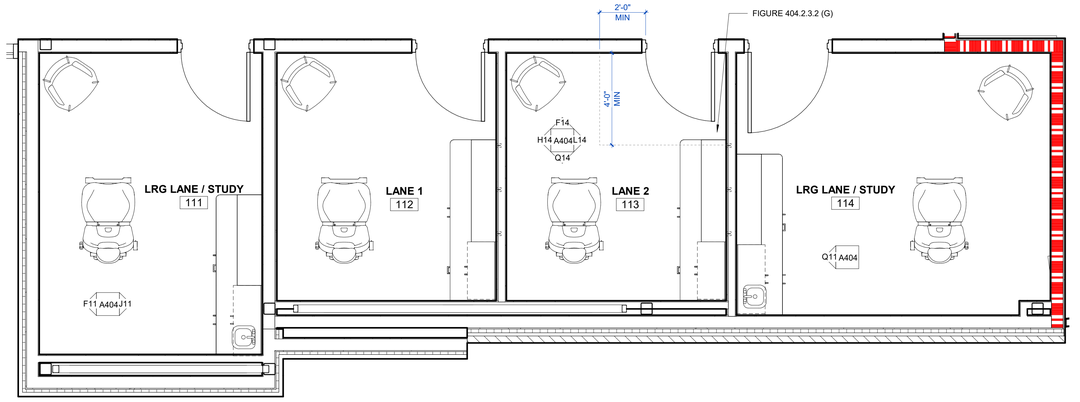
A4 3D VIEW - TYP LANE ROOM



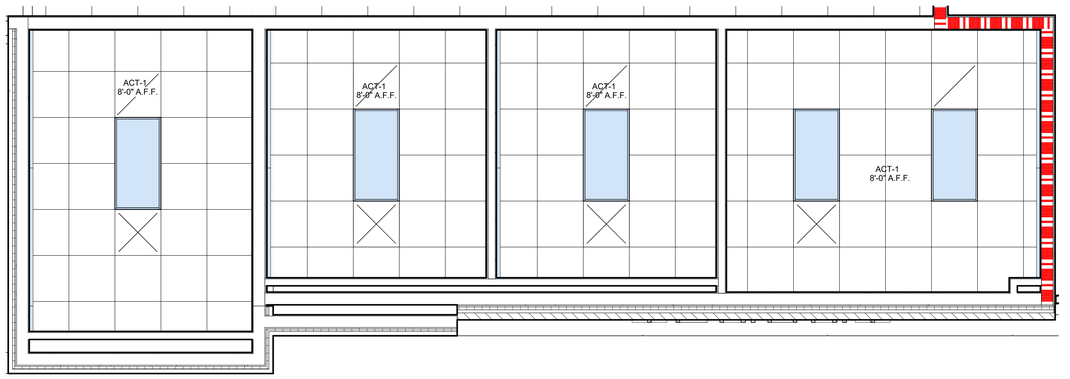
A9 3D VIEW - 111 LARGE LANE / STUDY



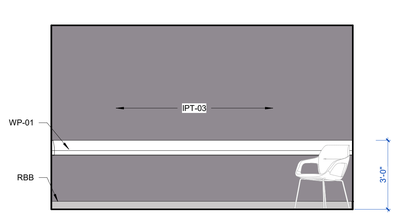
A13 3D VIEW - 114 LARGE LANE / STUDY



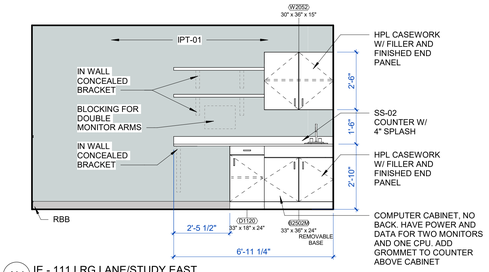
J4 EP - TYP LANE ROOM
3/8" = 1'-0"



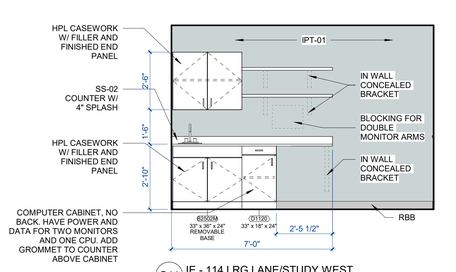
J8 ERCP - TYP LANE ROOM
3/8" = 1'-0"



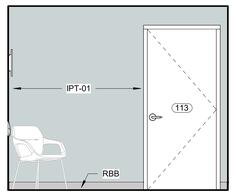
F11 IE - 111 LRG LANE/STUDY WEST
3/8" = 1'-0"



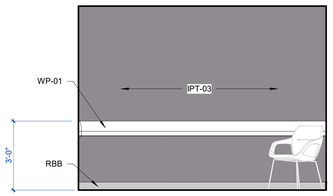
J11 IE - 111 LRG LANE/STUDY EAST
3/8" = 1'-0"



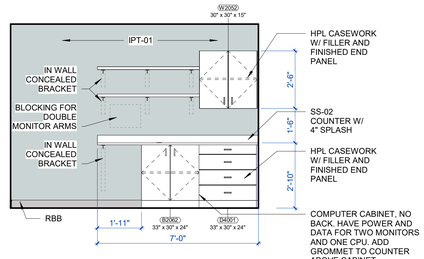
Q11 IE - 114 LRG LANE/STUDY WEST
3/8" = 1'-0"



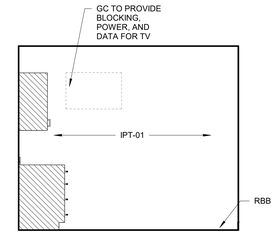
F14 IE - TYP LANE ROOM ENTRY WALL
3/8" = 1'-0"



H14 IE - TYP LANE ROOM WALL
3/8" = 1'-0"



L14 IE - TYP LANE ROOM CASEWORK WALL
3/8" = 1'-0"



Q14 IE - TYP LANE ROOM BACK WALL
3/8" = 1'-0"

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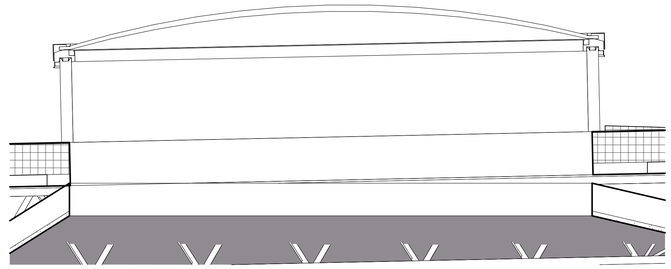
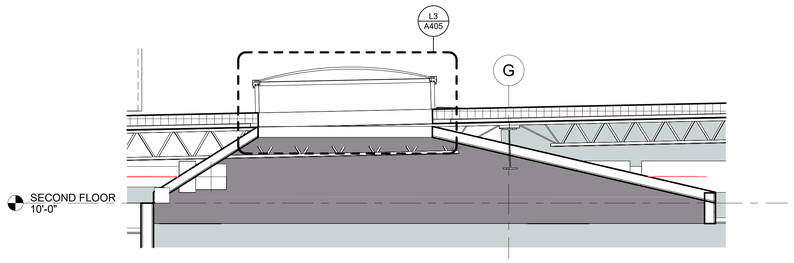
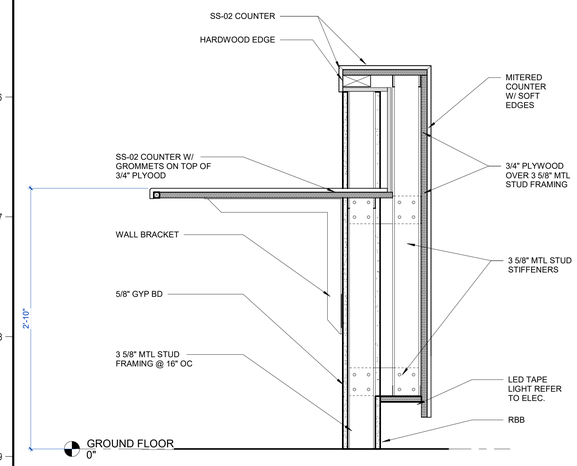


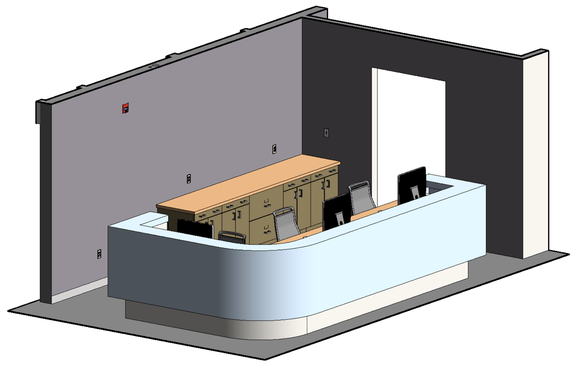
L3 SECTION DETAIL - TECH STATION SKYLIGHT
1 1/2" = 1'-0"



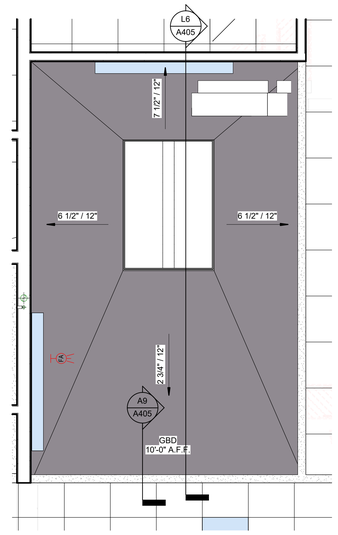
L6 WALL SECTION - TECH STATION SKYLIGHT SLOPED CEILING
1/2" = 1'-0"



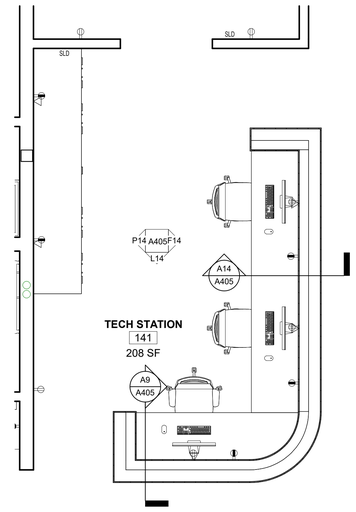
A9 SECTION DETAIL - TECH STATION DESK
1 1/2" = 1'-0"



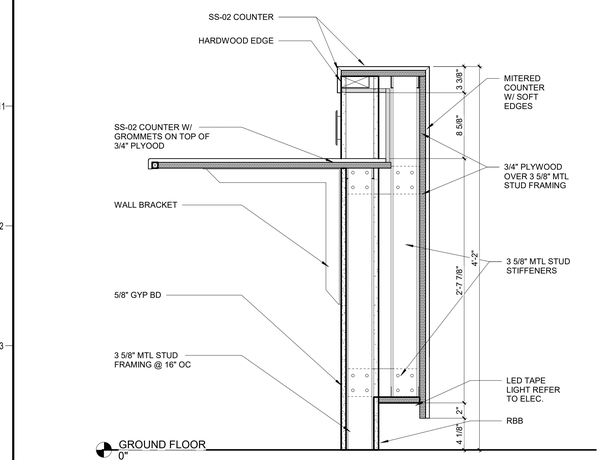
E11 3D VIEW - TYPICAL TECH STATION



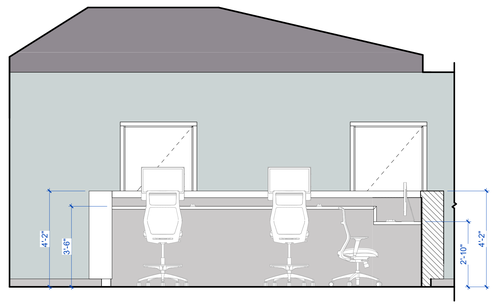
L11 ERCP - TYP TECH STATION
3/8" = 1'-0"



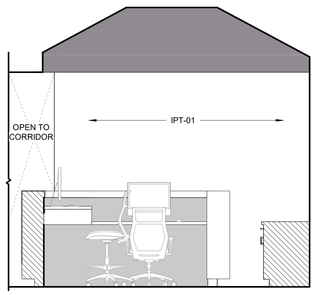
P11 EP - TYP TECH STATION
3/8" = 1'-0"



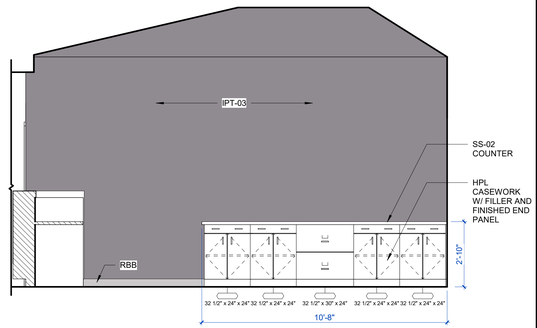
A14 SECTION DETAIL - TECH STATION DESK
1 1/2" = 1'-0"



F14 IE - TYP TECH STATION - LONG DESK
3/8" = 1'-0"



L14 IE - TYP TECH STATION SHORT DESK
3/8" = 1'-0"



P14 IE - TYPICAL TECH STATION CASEWORK WALL
3/8" = 1'-0"

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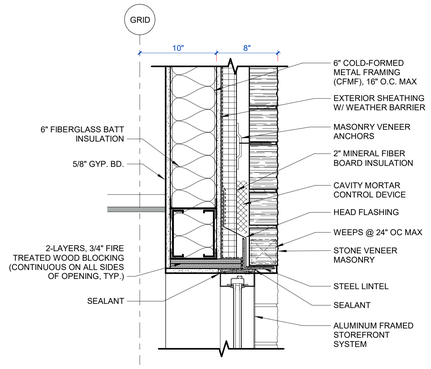
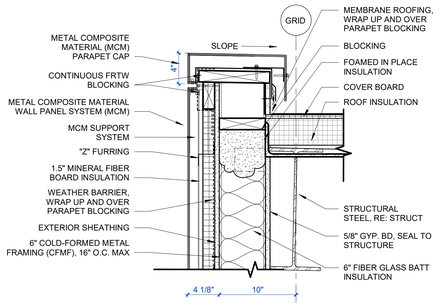
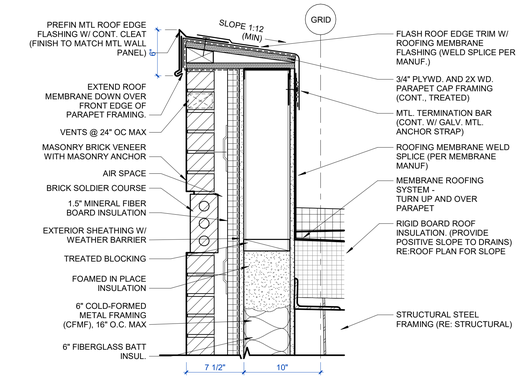


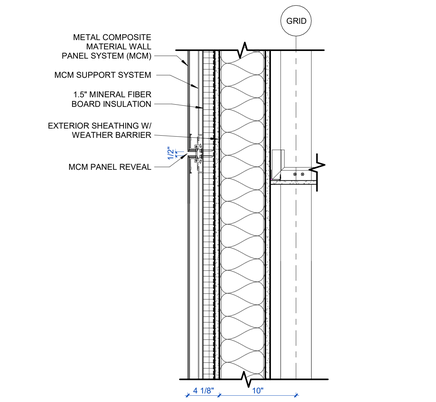
F8 SECTION DETAIL - WINDOW HEAD @ STONE MASONRY
1 1/2" = 1'-0"



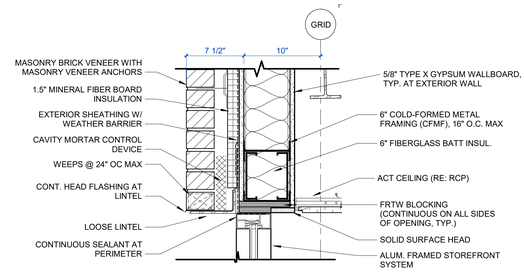
J5 SECTION DETAIL - MCM - PARAPET - ACM CAP
1 1/2" = 1'-0"



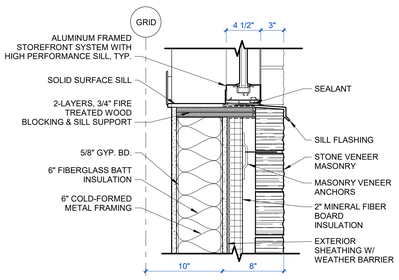
P5 SECTION DETAIL - BRICK MASONRY PARAPET
1 1/2" = 1'-0"



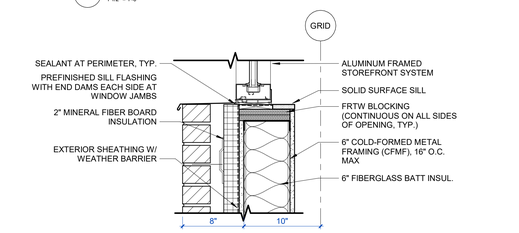
J9 SECTION DETAIL - MCM - PANEL SEAM
1 1/2" = 1'-0"



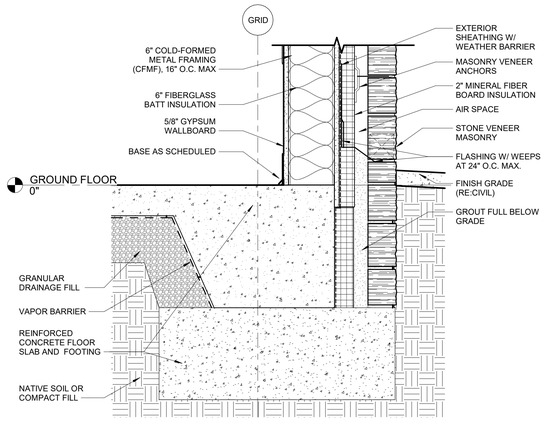
P7 SECTION DETAIL - WINDOW HEAD @ BRICK MASONRY
1 1/2" = 1'-0"



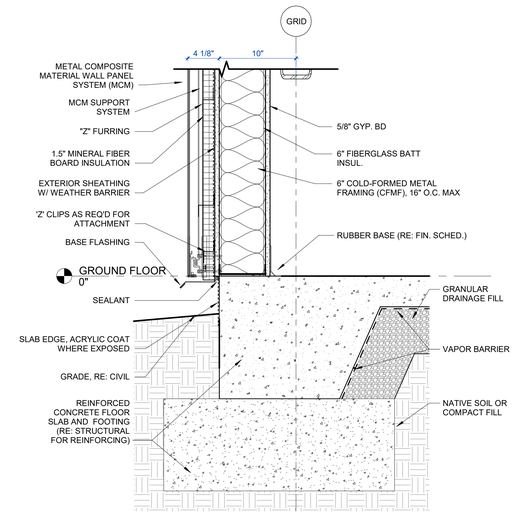
F10 SECTION DETAIL - WINDOW SILL @ STONE MASONRY
1 1/2" = 1'-0"



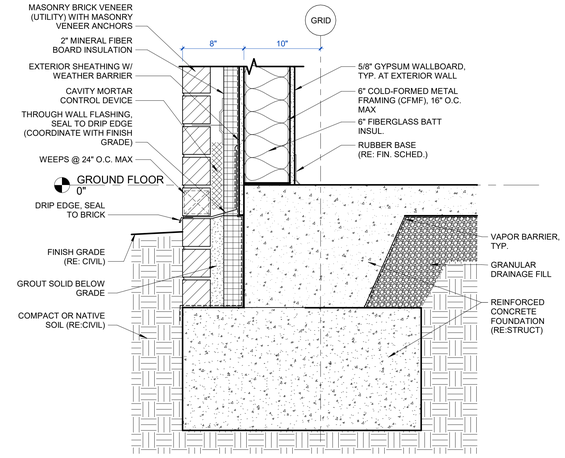
P10 SECTION DETAIL - WINDOW SILL @ BRICK MASONRY
1 1/2" = 1'-0"



F14 SECTION DETAIL - STONE MASONRY AT FOUNDATION
1 1/2" = 1'-0"



J14 SECTION DETAIL - MCM - SLAB EDGE
1 1/2" = 1'-0"



P14 SECTION DETAIL - BRICK MASONRY AT FOUNDATION
1 1/2" = 1'-0"

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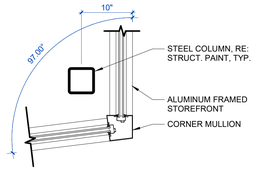
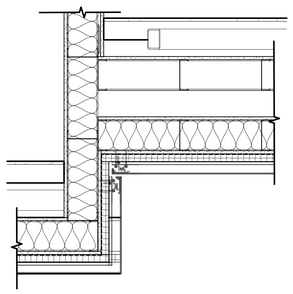
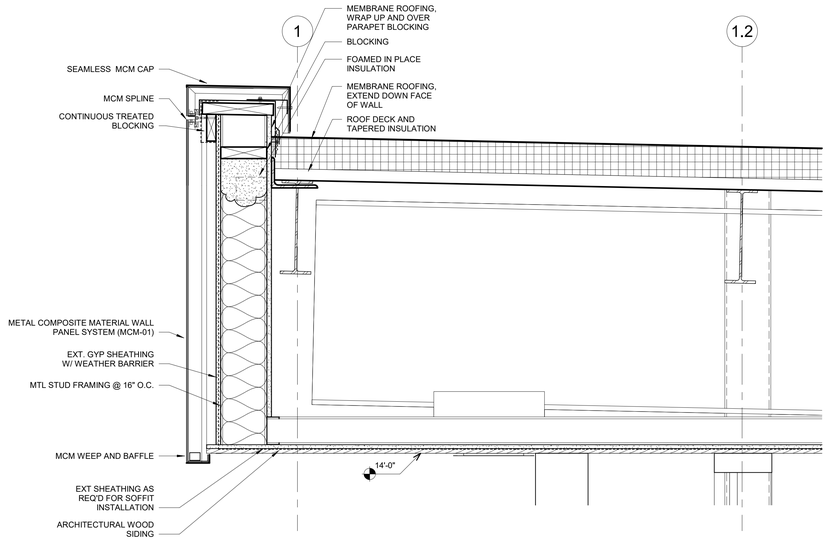


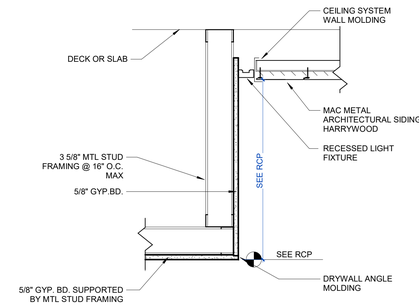
P2 PLAN DETAIL - TENANT SPACE ENTRY STOREFRONT
1" = 1'-0"



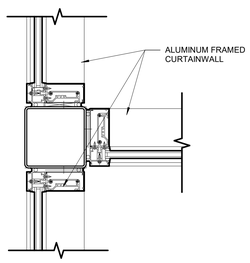
P6 PLAN DETAIL - MCM INSIDE + OUTSIDE CORNER DETAILS
1" = 1'-0"



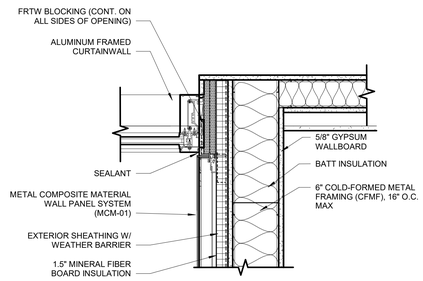
F10 SECTION DETAIL - CLINIC CANOPY @ SCREEN WALL
1 1/2" = 1'-0"



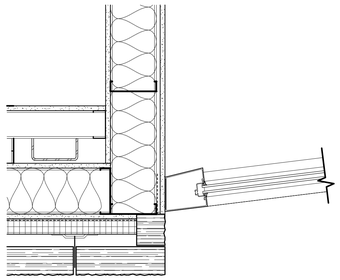
P10 SECTION DETAIL - LOBBY WOOD CEILING TO GYP
1 1/2" = 1'-0"



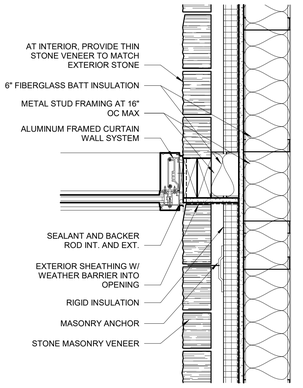
B14 PLAN DETAIL - CURTAIN WALL CONNECTION @ ENTRY VESTIBULE
1 1/2" = 1'-0"



F14 PLAN DETAIL - CURTAINWALL CONNECTION @ MCM
1 1/2" = 1'-0"



K14 PLAN DETAIL - STOREFRONT CONNECTION @ STONE MASONRY
1 1/2" = 1'-0"



P14 PLAN DETAIL - CURTAIN WALL @ STONE MASONRY
1 1/2" = 1'-0"

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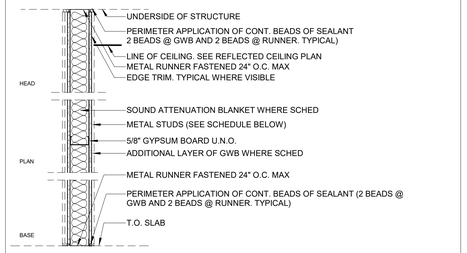
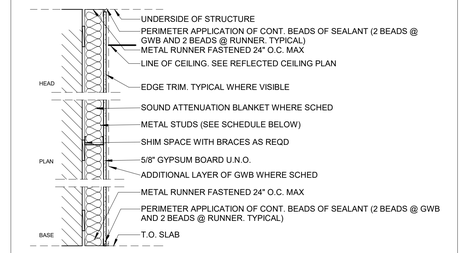


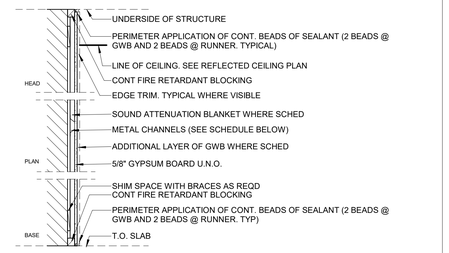
TYPE	1ST LAYER 2ND LAYER	STUD SIZE / SPACING	1ST LAYER 2ND LAYER	MAX HEIGHT / MIN. GAUGE	INSUL. THICKNESS / STC TEST	FIRE RATING / TEST DESIGN	REMARKS
(TOTAL WALL WIDTH: "INCHES")							
(NOTE: SOME PARTITION TYPES LISTED MAY NOT BE USED)							
1A	5/8"	3 5/8" / 16" O.C.	5/8"	15'-4" / 20	3" / 49 / SA-870717		
(TOTAL WALL WIDTH: 4 7/8")							
1B	5/8"	3 5/8" / 16" O.C.	5/8"	15'-4" / 20	NONE / 40 / USG-860808		
(TOTAL WALL WIDTH: 4 7/8")							
1C	5/8"	3 5/8" / 16" O.C.	5/8"	15'-4" / 20	NONE / 40 / USG-860808		EXTEND GYP. BD. 6" ABOVE CEILING, SEE GENERAL NOTE 13
(TOTAL WALL WIDTH: 4 7/8")							
1D	5/8"	6" / 16" O.C.	5/8"	19'-9" / 20	3" / 49 / SA-870717		
(TOTAL WALL WIDTH: 7 1/4")							
1E	5/8"	3 5/8" / 16" O.C.	1/2" RESILIENT CHANNEL 5/8"	15'-4" / 20	3" / 54 / RAL-TL-83-216		SEE GENERAL NOTE 7
(TOTAL WALL WIDTH: 5 3/8")							
1F	5/8"	6" / 16" O.C.	1/2" RESILIENT CHANNEL 5/8"	19'-9" / 20	3" / 54 / RAL-TL-83-216		SEE GENERAL NOTE 7
(TOTAL WALL WIDTH: 7 3/4")							
1G	5/8"	3 5/8" / 16" O.C.	1/2" RESILIENT CHANNEL 5/8"	15'-4" / 20	3" / 54 / RAL-TL-83-216	1 HR / UL-U419	SEE GENERAL NOTE 7
(TOTAL WALL WIDTH: 5 3/8")							
1H	5/8"	3 5/8" / 16" O.C.	5/8"	15'-4" / 20	NONE / 40 / USG-860808	1 HR / UL-U419	
(TOTAL WALL WIDTH: 4 7/8")							
1J	5/8"	3 5/8" / 16" O.C.	5/8"	15'-4" / 20	3" / 49 / SA-870717	1 HR / UL-U419	
(TOTAL WALL WIDTH: 4 7/8")							
1K	5/8" 5/8"	3 5/8" / 16" O.C.	5/8" 5/8"	15'-4" / 20	NONE / N/A	2 HR / UL-U419	
(TOTAL WALL WIDTH: 6 1/8")							
1L	5/8" 5/8"	3 5/8" / 16" O.C.	5/8" 5/8"	15'-4" / 20	3" / N/A	2 HR / UL-U419	
(TOTAL WALL WIDTH: 6 1/8")							
1M	5/8"	3 5/8" / 16" O.C.	5/8"	15'-4" / 20	N/A		EXTEND STUDS & G.B. AT ONE SIDE TO DECK. SEAL SMOKE TIGHT. SEE GENERAL NOTE 7. SEE GENERAL NOTE 13
(TOTAL WALL WIDTH: 4 7/8")							
1N	5/8"	6" / 16" O.C.	1/2" RESILIENT CHANNEL 5/8"	15'-4" / 20	3" / 54 / RAL-TL-83-216	1 HR / UL-U419	SEE GENERAL NOTE 7
(TOTAL WALL WIDTH: 7 3/4")							

1 STUD WALL



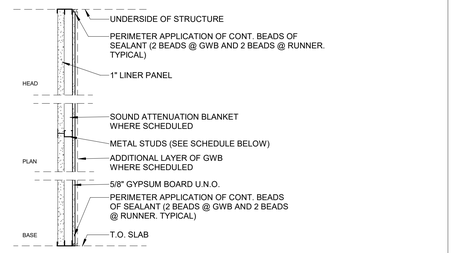
TYPE	1ST LAYER	STUD SIZE / SPACING	MAX HEIGHT / MIN. GAUGE	INSUL. THICKNESS / STC TEST	FIRE RATING / TEST DESIGN	REMARKS
(TOTAL WALL WIDTH: "VARIES")						
(NOTE: SOME PARTITION TYPES LISTED MAY NOT BE USED)						
2A	5/8"	3 5/8" / 16" O.C.	N/A / 20	NONE / N/A	NONE / N/A	EXTEND GYP. BD. 6" ABOVE CEILING. SEE GENERAL NOTE 13
(TOTAL WALL WIDTH: 4 1/4")						
2B	5/8"	2 1/2" / 16" O.C.	N/A / 20	NONE / N/A	NONE / N/A	EXTEND GYP. BD. 6" ABOVE CEILING. SEE GENERAL NOTE 13
(TOTAL WALL WIDTH: 3 1/8")						

2 FURRING WALL



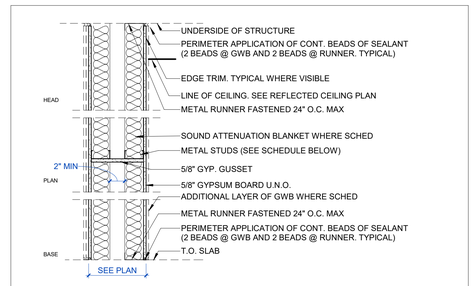
TYPE	1ST LAYER	STUD SIZE / SPACING	MAX HEIGHT / MIN. GAUGE	INSUL. THICKNESS / STC TEST	FIRE RATING / TEST DESIGN	REMARKS
(TOTAL WALL WIDTH: "VARIES")						
(NOTE: SOME PARTITION TYPES LISTED MAY NOT BE USED)						
3A	5/8"	7/8" / 16" O.C.	N/A / 20	NONE / N/A	NONE / N/A	EXTEND GYP. BD. 6" ABOVE CEILING. SEE GENERAL NOTE 13
(TOTAL WALL WIDTH: 1 1/2")						

3 FURRING CHANNELS



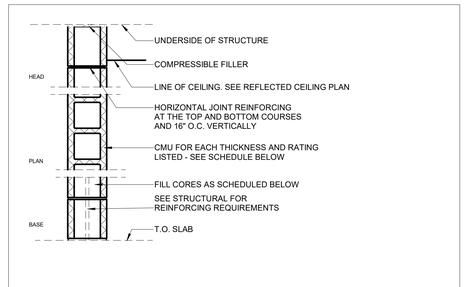
TYPE	LINER PANEL / 1ST LAYER	STUD SIZE / SPACING	MAX HEIGHT / MIN. GUAGE	INSUL. THICKNESS / STC TEST	FIRE RATING / TEST DESIGN	REMARKS
(TOTAL WALL WIDTH: "VARIES")						
(NOTE: SOME PARTITION TYPES LISTED MAY NOT BE USED)						
4A	1" LINER PANEL 5/8"	2 1/2" C-H / 24" O.C.	12'-0" / 20	1" / 48 / RAL-0T-04-022	1 HR / UL-U415	
(TOTAL WALL WIDTH: 3 1/8")						
4B	1" LINER PANEL 5/8"	4" C-H / 24" O.C.	14'-0" / 20	1 1/2" / 48 / RAL-0T-04-019	1 HR / UL-U415	
(TOTAL WALL WIDTH: 4 5/8")						

4 SHAFT WALL



TYPE	1ST LAYER	STUD SIZE / SPACING	AIR SPACE	STUD SIZE / SPACING	1ST LAYER	MAX HEIGHT / MIN. GAUGE	INSUL. THICKNESS / STC TEST	NONE / TEST DESIGN	REMARKS
(TOTAL WALL WIDTH: "VARIES")									
(NOTE: SOME PARTITION TYPES LISTED MAY NOT BE USED)									
5A	5/8"	2 1/2 / 16" O.C.	1' - 5 3/4"	2 1/2 / 16" O.C.	5/8"	17'-6" / 20	3 1/2" (1 SIDE) / 48 / RAL-TL-76-155	1 HR / UL-U420	
(TOTAL WALL WIDTH: 24")									

5 CHASE WALL



TYPE	NOMINAL SIZE / SPACING	MAX HEIGHT / MIN. GAUGE	INSUL. THICKNESS / STC TEST	FIRE RATING / TEST DESIGN	REMARKS
(TOTAL WALL WIDTH: "INCHES")					
(NOTE: SOME PARTITION TYPES LISTED MAY NOT BE USED)					
6A	8" / N/A	N/A	NONE / N/A	N/A	SEE GENERAL NOTE 14
(TOTAL WALL WIDTH: 7 5/8")					
6B	6" / N/A	N/A	NONE / N/A	N/A	SEE GENERAL NOTE 14
(TOTAL WALL WIDTH: 5 5/8")					
6C	4" / N/A	N/A	NONE / N/A	N/A	SEE GENERAL NOTE 14
(TOTAL WALL WIDTH: 3 5/8")					

6 CMU

GENERAL NOTES

1. SEE PARTITION DETAIL DRAWINGS AND PROJECT SPECIFICATIONS FOR SEISMIC DETAILS AND PERFORMANCE CRITERIA FOR ALL STUD AND MASONRY PARTITIONS

2. INSTALL CEMENTITIOUS BACKER BOARD IN LIEU OF GYPSUM WALL BOARD AT LOCATIONS INDICATED TO RECEIVE WALL TILE

3. INSTALL WATER RESISTANT WALL BOARD AT ALL WALL SURFACES IN TOILET ROOMS, JANITORS CLOSETS, AND SIMILAR WET AREAS NOT INDICATED TO RECEIVE WALL TILE. INSTALL MINIMUM 2" PAST EDGE OF FIXTURE AND 24" VERTICALLY ABOVE FIXTURE AT SINGLE FIXTURE LOCATIONS

4. INSTALL TYPE "X" FIRE RATED GYPSUM BOARD AT ALL FIRE RATED PARTITIONS

5. INSTALL "BLUEBOARD" GYPSUM WALL BOARD AT PARTITIONS INDICATED TO RECEIVE VENEER PLASTER

6. STC RATINGS PROVIDE ONLY A GENERAL INDICATION OF ACOUSTIC PERFORMANCE UNDER LABORATORY TEST CONDITIONS. CONSTRUCTION DETAILS DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS DEFINE THE SPECIFIC REQUIREMENTS FOR THE WORK

7. THE EXTRA LAYER OF GYPSUM WALL BOARD AT ASYMMETRICAL PARTITIONS IS TO BE INSTALLED ON THE SIDE OF THE PARTITION ON WHICH THE TYPE KEY IS SHOWN

8. SEE SPECIFICATION FOR ALL FIRE RESISTANT JOINT SYSTEMS FOR LOCATIONS ABUTTING METAL DECK & /OR CONCRETE STRUCTURE OVERHEAD

9. UNLESS INDICATED OTHERWISE, WALLS NOT SPECIFICALLY TAGGED SHALL ACQUIRE THE TYPE PROPERTIES OF ADJACENT PARTITIONS.

10. REFER TO STRUCTURAL FOR DEFLECTION CRITERIA WHEN DETERMINING GAUGE SIZES.

11. THE STC TEST RESULTS REFERENCED FOR INTERIOR PARTITIONS TYPICALLY INDICATE A METAL STUD SPACING OF 24" O.C.. **WER** PURPOSELY INDICATES METAL STUD SPACING TO BE 16" O.C. AT INTERIOR PARTITIONS FOR IMPROVED IMPACT RESISTANCE AND DURABILITY OF THE PARTITION. IT IS EXPECTED THAT THE ACOUSTIC PERFORMANCE OF THE PARTITION WILL BE MINUTELY REDUCED BY THIS CHANGE IN STUD SPACING, HOWEVER WE KNOW OF NO TEST RESULTS AVAILABLE TO SPECIFICALLY QUANTIFY THAT REDUCTION.

12. REFERENCE SPECIFICATIONS FOR TREATMENT OF WALL PENETRATIONS

13. COMPLY WITH THE SPECIFICATIONS, ASTM C 754-04 AND THE MANUFACTURER'S RECOMMENDATIONS FOR METAL STUD PARTITIONS AND WALL BRACING INSTALLATION REQUIREMENTS. REFER TO MANUFACTURER'S NON-COMPOSITE LIMITING HEIGHT TABLES FOR THE MAXIMUM ALLOWABLE PARTITION HEIGHTS FOR NON-COMPOSITE WALL ASSEMBLIES.

14. REFER TO STRUCTURAL FOR THE STRUCTURAL DESIGN PARAMETERS FOR MASONRY WALL ASSEMBLY INSTALLATION REQUIREMENTS AND LIMITS.

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04/30/2026
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PARTITION SCHEDULE
TITLE

A601
SHEET NO.

Project Name
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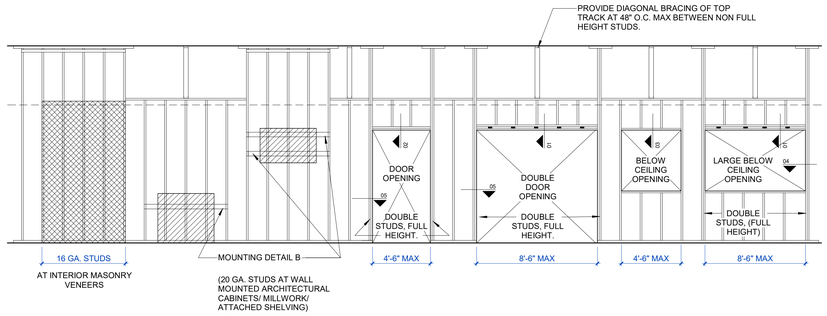
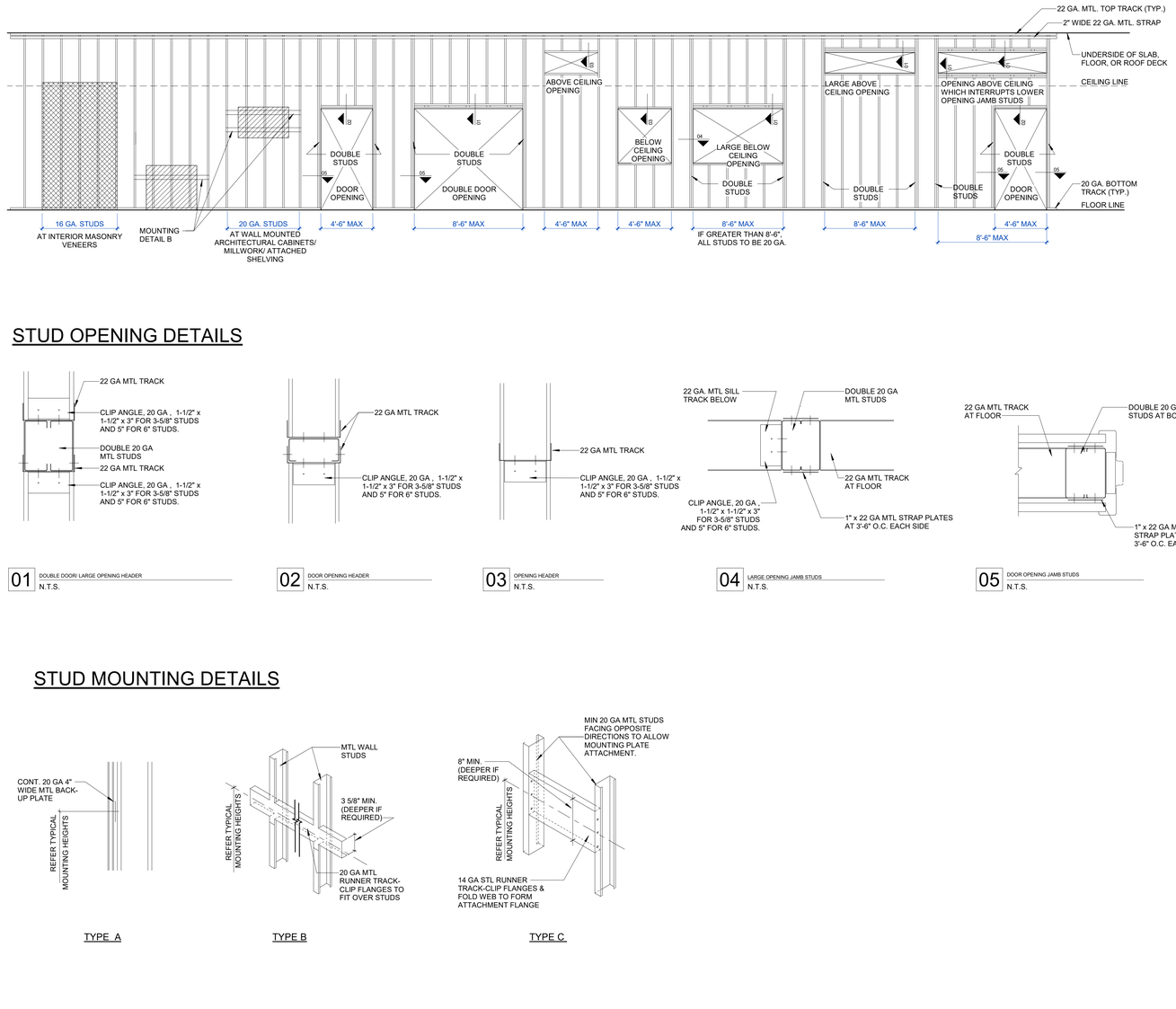
TYPICAL STUD FRAMING ELEVATIONS

NOTES:

1. REFER TO PARTITION SCHEDULE FOR SPECIFIC STUD FRAMING DETAILS
2. ALL STUDS ARE SPACED 16" O.C. MAXIMUM.
3. ALL STUDS SHALL BE "C" STUDS WITH 1/4" MINIMUM FLANGE
4. ▨ DENOTES SHELVING OR CABINETRY.
5. ▨ DENOTES MASONRY VENEER.
6. REFER TO SPECIFICATIONS FOR STUD TYPE AND GAUGE
7. IN NO CASE SHALL DOUBLE STUDS AT SIDES OF OPENING BE CUT FOR DUCTWORK OR OTHER MECHANICAL SYSTEMS.
8. IN PROJECTS IN SEISMIC ZONES, MINIMUM STUD GAUGE IS 20 GA. - DETAILS TO BE MODIFIED ACCORDINGLY.





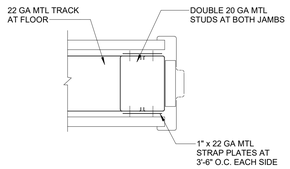
STUD OPENING DETAILS

01 DOUBLE DOOR/ LARGE OPENING HEADER
N.T.S.

02 DOOR OPENING HEADER
N.T.S.

03 OPENING HEADER
N.T.S.

04 LARGE OPENING JAMB STUDS
N.T.S.



05 DOOR OPENING JAMB STUDS
N.T.S.

STUD MOUNTING DETAILS

TYPE A

TYPE B

TYPE C

Project Norma
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PARTITION FRAMING DETAILS
TITLE

A602
SHEET NO.

Door Schedule

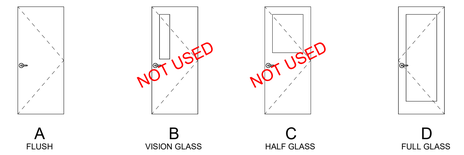
Door Number	DOOR					FRAME	U.L. Label	Hardware Set	Comments
	Type	Door Material	Size			Frame Type			
			Width	Height	Thickness				
100A	DD	ALUM.	6'-0"	7'-0"	1 3/4"	AL-1		20	ELECTRONIC LOCK TO BAS, ACCESS CONTROL, AUTOMATIC OPERATOR WITH PUSH BUTTON
100B	DD	ALUM.	6'-0"	7'-0"	1 3/4"	AL-1		21	
104	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		8	ACCESS CONTROL, CARD READER
104A	A	SCWD	2'-6"	7'-0"	1 3/4"	HM-1		11	ACCESS CONTROL, CARD READER
104B	A	SCWD	2'-6"	7'-0"	1 3/4"	HM-1		11	ACCESS CONTROL, CARD READER
105	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		8	ACCESS CONTROL, CARD READER
106	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		3	IN-USE INDICATOR, EMERGENCY RELEASE FROM EXTERIOR
107	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		3	IN-USE INDICATOR, EMERGENCY RELEASE FROM EXTERIOR
109	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
110	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
111	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
112	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
113	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
114	A	SCWD	3'-6"	7'-0"	1 3/4"	HM-1		2	
115	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
116	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
117	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
118	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
120	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
121	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
122	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
123	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
124	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
125	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
126	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
127	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		2	
128A	D	ALUM.	3'-6"	7'-0"	1 3/4"	AL-1		17	ACCESS CONTROL, CARD READER
128B	D	ALUM.	3'-6"	7'-0"	1 3/4"	AL-1		18	ACCESS CONTROL, CARD READER
129	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		1	
130	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		3	IN-USE INDICATOR, EMERGENCY RELEASE FROM EXTERIOR
131	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		3	IN-USE INDICATOR, EMERGENCY RELEASE FROM EXTERIOR
132	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		3	IN-USE INDICATOR, EMERGENCY RELEASE FROM EXTERIOR
133	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1	120 MIN	14	
134	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		4	ACCESS CONTROL, CARD READER
134A	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1	120 MIN	14	
135	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		4	
136	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		3	IN-USE INDICATOR, EMERGENCY RELEASE FROM EXTERIOR
137	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		4	
138	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		4	
139	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		9	
142	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		9	
143	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		4	
144	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		4	
145	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		10	
146	A	SCWD	3'-0"	7'-0"	1 3/4"	HM-1		3	IN-USE INDICATOR, EMERGENCY RELEASE FROM EXTERIOR
150	A	HM	3'-0"	7'-0"	1 3/4"	HM-1		17	
151	A	HM	3'-0"	7'-0"	1 3/4"	HM-1		17	
152	D	ALUM.	3'-6"	7'-0"	1 3/4"	AL-1		17	ACCESS CONTROL, CARD READER
153	D	ALUM.	3'-6"	7'-0"	1 3/4"	AL-1		17	ACCESS CONTROL, CARD READER
154	E	HM	3'-6"	7'-0"	1 3/4"	HM-1		17	ACCESS CONTROL, CARD READER

DOOR TYPES

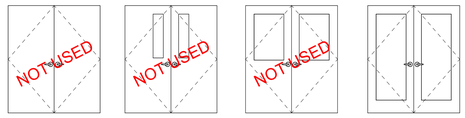
1/4" = 1'-0"

SEE SCHEDULE FOR OVERALL DIMENSIONS & DOOR MATERIAL

SCWD - SOLID CORE WOOD
HM - HOLLOW METAL
ALUM - ALUMINUM



A — FLUSH
B — VISION GLASS
C — HALF GLASS
D — FULL GLASS



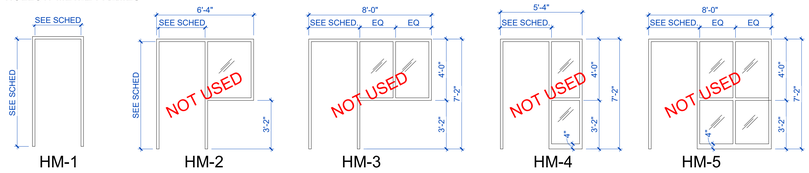
AA — PAIR, FLUSH
BB — PAIR, VISION GLASS
CC — PAIR, HALF GLASS
DD — PAIR, FULL GLASS

FRAME TYPES

1/4" = 1'-0"

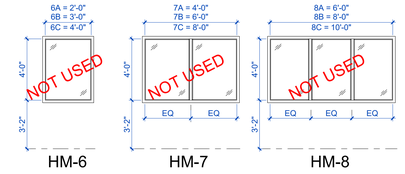
HM - HOLLOW METAL
AL - ALUMINUM

HOLLOW METAL FRAMES



HM-1 | HM-2 | HM-3 | HM-4 | HM-5

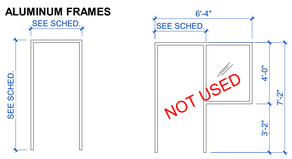
NOTE: AT MASONRY OPENINGS PROVIDE 4" HEAD



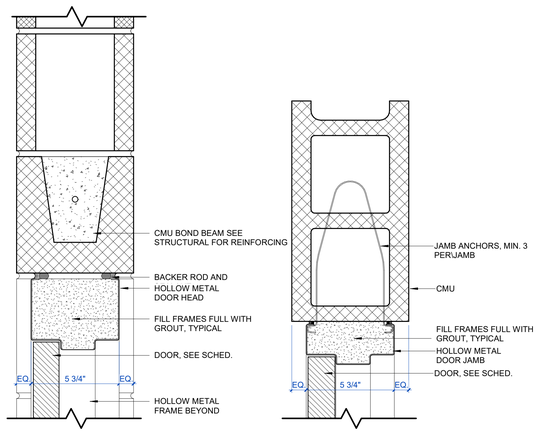
HM-6 | HM-7 | HM-8

NOTE: AT MASONRY OPENINGS PROVIDE 2" ADDITIONAL HEIGHT IN WINDOW.

ALUMINUM FRAMES

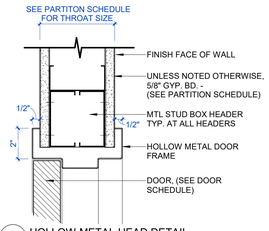


AL-1 | AL-2

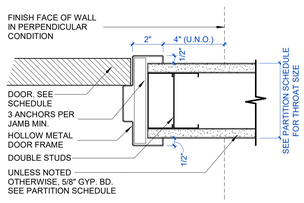


A12 HOLLOW METAL HEAD @ CMU
3" = 1'-0"

B12 HOLLOW METAL JAMB @ CMU
3" = 1'-0"



A14 HOLLOW METAL HEAD DETAIL
3" = 1'-0"



B14 HOLLOW METAL JAMB DETAIL
3" = 1'-0"

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A603

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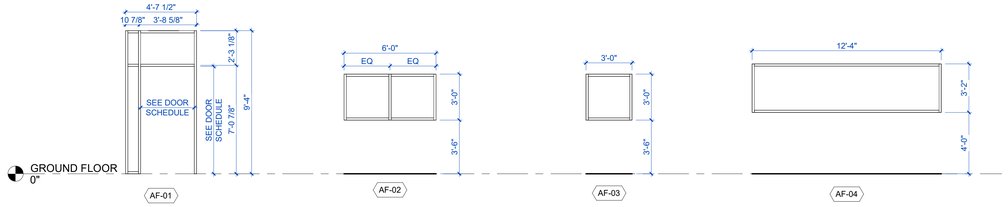
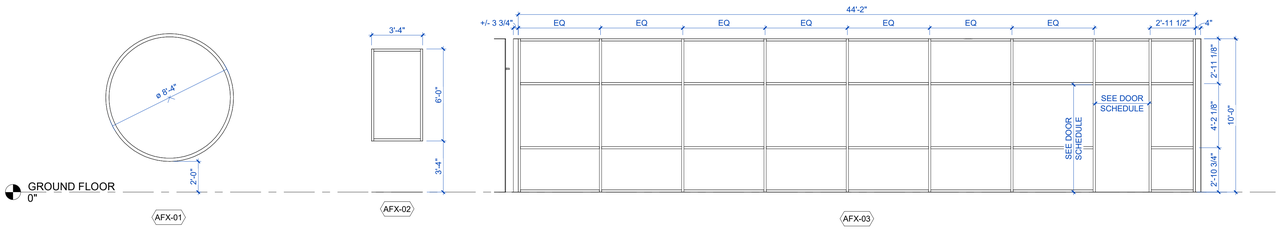
INTERIOR ALUMINUM STOREFRONT (AF):

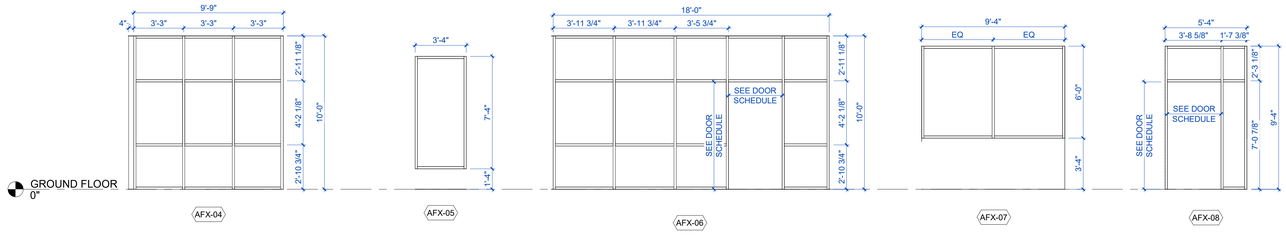
SCALE: 1/4" = 1'-0"

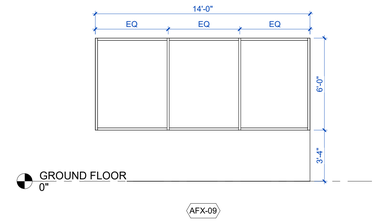


EXTERIOR ALUMINUM STOREFRONT (AFX):

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







WINDOW SCHEDULE: GENERAL NOTES

1. ALL SAFETY GLAZING TO BE PROVIDED AND COMPLY WITH ANSI Z97.1, ICC AND PER SPECIFICATION 08 8000. SEE SAFETY GLASS LOCATION DETAIL, BUT NOT LIMITED TO, FOR EXAMPLE LOCATIONS.
2. SIZES OF WINDOW OPENINGS ARE INDICATED AS SHOWN. MATERIAL PROVIDER IS REQUIRED TO SELECT FRAMING MEMBER CAPABLE OF ACHIEVING STRUCTURAL AND PHYSICAL PERFORMANCE AS OUTLINED IN THE SPECIFICATIONS.
3. ALL ALUMINUM FRAMED STOREFRONT TO BE 4 ½" UNLESS NOTED OTHERWISE.
4. ALL GLAZED ALUMINUM CURTAIN WALL TO BE 7 ½" UNLESS NOTED OTHERWISE.
5. REFER TO STRUCTURAL DRAWINGS FOR WIND LOAD REQUIREMENTS.
6. REFER TO DOOR SCHEDULE FOR HEIGHT AND WIDTHS OF DOORS IN STOREFRONT AND CURTAIN WALL SYSTEMS.

SAFETY GLASS LOCATIONS

NOT ALL CONDITIONS SHOWN BELOW ARE APPLICABLE TO THE SCOPE OF WORK.

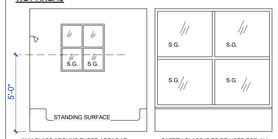
GLASS SCHEDULE FOR WALLS AND DOORS

NP - NOT PERMITTED
A - ACCEPTABLE
NR - NOT RECOMMENDED

		ANNEALED	WIRED	TEMPERED	LAMINATED	FIRE-RATED
FIRE-RATED	SAFETY NOT REQUIRED	NP	A	NP	NP	A
	SAFETY REQUIRED	NP	NP	NP	NP	A
NON- FIRE-RATED	SAFETY NOT REQUIRED	A	A	A	A	NR
	SAFETY REQUIRED	NP	NP	A	A	NR

SAFETY GLAZING IS REQUIRED FOR:

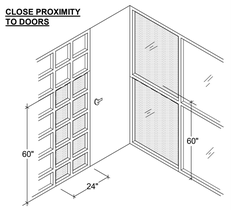
WET AREAS



ANY GLASS AROUND THESE AREAS AT 60" OR LESS ABOVE THE STANDING SURFACE IS TO BE SAFETY GLASS.

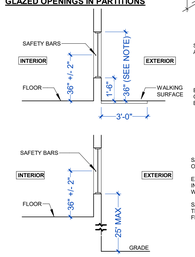
SAFETY GLASS IS TO BE USED FOR ALL DOORS AT HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATH TUBS OR SHOWERS.

CLOSE PROXIMITY TO DOORS



GLAZED OPENINGS IN DOORS

GLAZED OPENINGS IN PARTITIONS



SAFETY GLASS IS REQUIRED WHEN THE FOLLOWING CONDITIONS ARE PRESENT:
- TOP OF GLAZING IS GREATER THAN OR EQUAL TO 36" AFF
-AREA OF SINGLE PANE IS GREATER THAN 9 SF
-BOTTOM OF GLAZING IS LESS THAN OR EQUAL TO 18" AFF
-WALKING SURFACE IS LOCATED WITHIN 36" OF ONE OR BOTH SIDES

EXCEPTION:
GLASS DOES NOT NEED TO BE SAFETY GLASS WHEN 1 1/2" SAFETY BAR IS INSTALLED WHERE WALKING SURFACE IS WITHIN 36" OF GLASS.

SAFETY GLASS IS REQUIRED AT INTERIOR LITE WHEN BOTTOM OF GLAZING IS LESS THAN OR EQUAL TO 18" AFF.

EXCEPTION:
INTERIOR LITE DOES NOT NEED TO BE SAFETY GLASS WHEN 1 1/2" SAFETY BAR IS INSTALLED

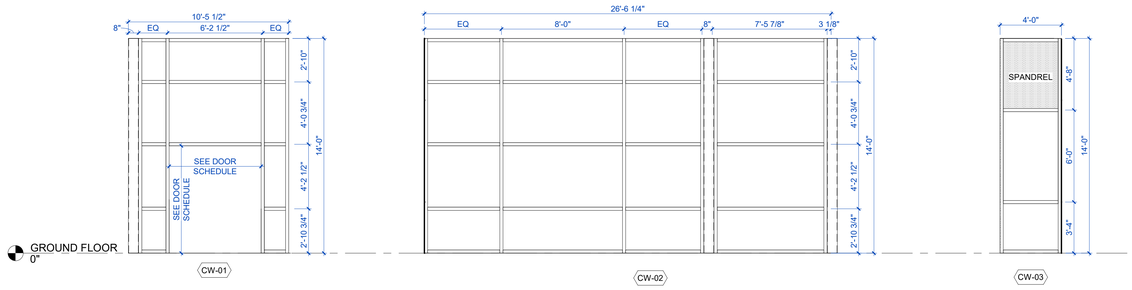
SAFETY GLASS IS REQUIRED FOR EXTERIOR LITES EXCEPT WHEN THE BOTTOM OF THE GLAZING IS GREATER THAN OR EQUAL TO 25 FEET ABOVE GRADE.

EXTERIOR ALUMINUM CURTAIN WALL (CW):

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

BASIS OF DESIGN KAWNEER 7.5" DEEP 1600 SYSTEM 1

ALL FRAMES TO BE 2 1/2" X 7 1/2", MANUFACTURER TO PROVIDE ADDITIONAL VERTICAL REINFORCING AS REQUIRED



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DESIGN DEVELOPMENT

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NO.	ISSUE	DATE

LREYEC26.00
JOB NO.

04/30/2026
DATE

WINDOW SCHEDULE
TITLE

A604
SHEET NO.

Project Name
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5/5/2026 3:34:56 PM

K11 IE - LOBBY ENTRY LOGO WALL
3/8" = 1'-0"

N11 IE - WAITING ROOM ALCOVE SEATING
3/8" = 1'-0"

H14 IE - BREAKROOM PROJECTOR WALL
3/8" = 1'-0"

N14 IE - BREAKROOM PLUMBING WALL
3/8" = 1'-0"

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DESIGN DEVELOPMENT

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NO.	ISSUE	DATE

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JOB NO.

04/30/2026
DATE

INTERIOR ELEVATIONS

TITLE

A701

SHEET NO.

Project Norms
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5/5/2026 3:39:37 PM

Finish Schedule

Room Number	Room Name	Floor Finish	Base Finish	Wall Finish	Accent Finishes				Comments
					North Wall	South Wall	East Wall	West Wall	
100	VESTIBULE	WKC	-	STONE					
101	WAITING	CPT-01, CPT-02, RBT-01	RBB	IPT-01, IPT-02, VWC					
102	CHECK IN/OUT	CPT-02	RBB	VWC					
103	OPTICAL SHOP	CPT-01, CPT-02	RBB	IPT-01, IPT-02					
104	OPTICAL LAB	SV-01	RBB	IPT-01					
104A	OPTICAL + CONTACT STORAGE	LVT-01	RBB	IPT-01					
105	CONTACT LAB	LVT-01	RBB	IPT-01					
105A	CONTACT STORAGE	LVT-01	RBB	IPT-01					
106	RR	PCT-01	CRT-01	CRT-01					
107	RR	PCT-01	CRT-01	CRT-01					
108	TESTING	LVT-01, LVT-02	RBB	IPT-01, IPT-02					
109	VISUAL FIELD	LVT-01	RBB	IPT-01					
110	VISUAL FIELD	LVT-01	RBB	IPT-01					
111	LRG LANE / STUDY	LVT-01	RBB	IPT-01					
112	LANE 1	LVT-01	RBB	IPT-01					
113	LANE 2	LVT-01	RBB	IPT-01					
114	LRG LANE / STUDY	LVT-01	RBB	IPT-01					
115	LANE 3	LVT-01	RBB	IPT-01					
116	LANE 4	LVT-01	RBB	IPT-01					
117	LANE 5	LVT-01	RBB	IPT-01					
118	LANE 6	LVT-01	RBB	IPT-01					
119	SUB-WAITING	CPT-03	RBB	IPT-01, IPT-02					
120	LANE 7	LVT-01	RBB	IPT-01					
121	LANE 8	LVT-01	RBB	IPT-01					
122	LANE 9	LVT-01	RBB	IPT-01					
123	LANE 10	LVT-01	RBB	IPT-01					
124	LANE 11	LVT-01	RBB	IPT-01					
125	LANE 12	LVT-01	RBB	IPT-01					
126	LANE 13	LVT-01	RBB	IPT-01					
127	LANE 14	LVT-01	RBB	IPT-01					
128	EMPLOYEE ENTRY	WKC	RBB	IPT-01					
129	BREAKROOM	CPT-03	RBB	IPT-01, IPT-03					
130	STAFF RR	PCT-01	PCT-01	PCT-01					
131	STAFF RR	PCT-01	PCT-01	PCT-01					
132	DR RR	PCT-01	PCT-01	PCT-01					
133	ELECTRICAL	LVT-01	RBB	IPT-01					
134	PHYSCIANS OFFICE	LVT-01	RBB	IPT-01, CRT-02					
134A	IT	LVT-01	RBB	IPT-01					
135	SURGERY CONSULTATION	CPT-03	RBB	IPT-01					
136	RR	PCT-01	CRT-01	CRT-01					
137	TECH SUPERVISOR	CPT-03	RBB	IPT-01					
138	OFFICE MANAGER	CPT-03	RBB	IPT-01					
139	STORAGE	LVT-01	RBB	IPT-01					
140	TECH STATION	LVT-03	RBB	IPT-01, IPT-03					
140A	DR WORKSTATION	LVT-03	RBB	IPT-01, IPT-03					
141	TECH STATION	LVT-03	RBB	IPT-01, IPT-03					
141A	DR WORKSTATION	LVT-03	RBB	IPT-01, IPT-03					
142	STORAGE	LVT-01	RBB	IPT-01					
143	BUSINESS OFFICE	CPT-03	RBB	IPT-01					
144	WELLNESS	CPT-03	RBB	IPT-01					
145	JAN	LVT-01	RBB	IPT-01					
146	RR	PCT-01	CRT-01	CRT-01					
147	CORRIDOR	LVT-01, LVT-02	RBB	IPT-01, IPT-02					
150	ELECTRICAL	SLC	RBB	IPT-01					
151	MECHANICAL	SLC	RBB	IPT-01					
200	TENANT SPACE	-	-	-					
Grand total: 56									

NOTES:
1. SEE INTERIOR ELEVATIONS & REFLECTED CEILING PLANS FOR FULL EXTENT & LOCATION OF MATERIALS
2. SPECIFIC COLORS & PATTERNS TO BE PROVIDED IN SPREADSHEET FORMAT PENDING CLIENT APPROVAL

FINISH ACCENT LEGEND

IPT-02	
IPT-03	
VWC	
PCT-01	
CRT-01	
CRT-02	
CRT-03	
WG	

FINISH SCHEDULE LEGEND

ACF	ACOUSTICAL FABRIC
ACT	ACOUSTIC CEILING TILE
BRD	MARKER BOARD/ CHALKBOARD
CGD	CORNER GUARD
CPT	CARPET
CRT	CERAMIC TILE
CTB	CERAMIC TILE BASE
EPC	EPOXY RESIN COUNTER SURFACE
EPX	EPOXY RESINOUS FLOORING
GRT	GROUT
HPL	PLASTIC LAMINATE
IPT	INTERIOR PAINT
IPX	INTERIOR EPOXY PAINT
LVT	LUXURY VINYL TILE
PCT	PORCELAIN TILE
PTB	PORCELAIN TILE BASE
QTZ	QUARTZ
RBB	RUBBER BASE
RBT	RUBBER TILE
SLC	SEALED CONCRETE
SPF	SPORTS FLOOR
SSC	SOLID SURFACE
SV	SHEET VINYL
VWC	VINYL WALL COVERING
WG	WALL GUARD
WDM	WOOD MILLWORK
WKM	WALK-OFF MAT
WNB	WINDOW BLINDS

H14 FINISH PLAN - GROUND FLOOR
1/8" = 1'-0"

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DESIGN DEVELOPMENT

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NO.	ISSUE	DATE

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JOB NO.

04/30/2026
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FINISH SCHEDULE
TITLE

A702
SHEET NO.

Project Name
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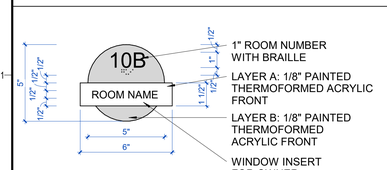
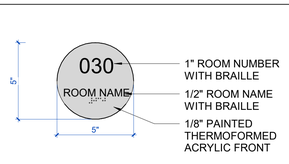
5/5/2026 3:40:09 PM

2 SIGNAGE PLAN - GROUND FLOOR
1/8" = 1'-0"

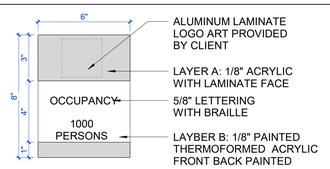
INTERIOR SIGNAGE LEGEND



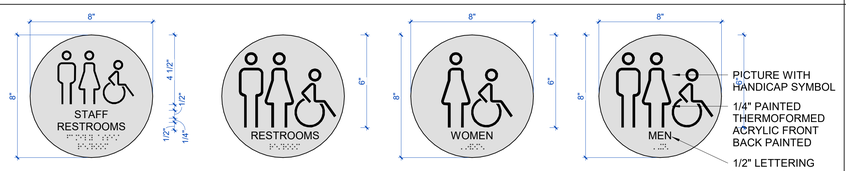
SIGN A
TYPICAL ROOM ID WITH WINDOW INSERT



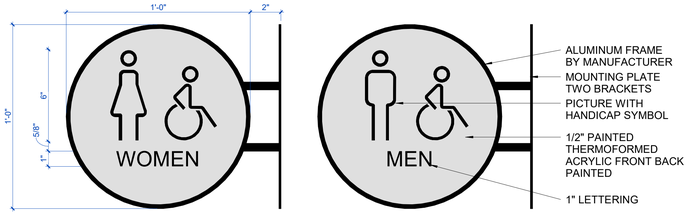
SIGN B
TYPICAL ROOM ID WITHOUT WINDOW INSERT



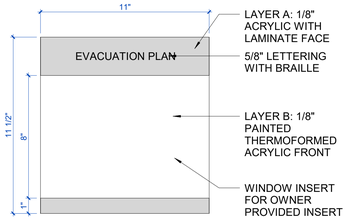
SIGN C
OCCUPANY SIGN



SIGN D
RESTROOM WALL SIGNS



SIGN E
RESTROOM DOUBLE SIDED FLAG SIGN



SIGN F
EVACUATION PLAN

SIGN G
DIRECT MOUNT PAINTED ALUMINUM SIGN

SIGN H
WALL/ WINDOW APPLIED VINYL

SIGNAGE DESCRIPTION

DESCRIPTION: 1/4" THERMOFORMED ACRYLIC MOUNTED SIGN WITH BACK PAINTED EDGES U.O.N.

SIZE: AS INDICATED

MOUNTED: 3M VHB

FONT: MONTSERRAT

ACRYLIC BACKGROUND COLOR:
MATCH SHERWIN WILLIAMS
SNOWBOUND SW 7004

TEXT COLOR: PMS COOL GRAY 11 C

GENERAL NOTES

1. PROVIDE ROOM SIGNS AT ALL DOORS IN ACCORDANCE WITH ADA STANDARDS.
2. ALL SIGNAGE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
3. ALL SIGNAGES SHALL BE LOCATED AND MOUNTED AT HEIGHTS AS INDICATED AND IN ACCORDANCE WITH ADA STANDARDS AND ICC A117.1.
4. PROVIDE MATCHING ACRLYIC BACKER AT ALL SIGNAGE MOUNTED ON GLASS.
5. PROVIDE EVACUATION SIGNS IN EACH CORRIDOR.
6. ROOM NAMES AND NUMBERS TO BE DETEREMINED, NOT AS INDICATED ON DRAWINGS.

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DESIGN DEVELOPMENT

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JOB NO.

04/30/2026
DATE

SIGNAGE
TITLE

A703
SHEET NO.

Project Name
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GENERAL NOTES

In case of conflict between the General Notes below and the Specifications, the more rigid requirement shall govern unless amended in writing by the Structural Engineer of Record.

DESIGN DATA

1. Design Codes - (All latest editions unless noted otherwise.)
   - International Building Codes (IBC 2021)
   - Arkansas Fire Prevention code 2021
   - American Society of Civil Engineers (ASCE 7-10) : Minimum Design Loads for Buildings and Other Structures
   - American Concrete Institute (ACI)
   - American Institute of Steel Construction (AISC)
   - American Welding Society (AWS)
   - American Iron and Steel Institute Specifications for the Design of Cold Formed Steel Structural Members (AISI)
   - Steel Deck Institute (SDI)
   - Steel Joist Institute (SJI)
2. Design Loads (IBC & ASCE7)
   - Dead Load Design Data
     - Slab on Grade — Self Weight
   - Live Roof Load Design Data
     - Roof (Sloped) — 20 psf
     - Roof (Flat) — 20 psf
   - Wind Design Data
     - Risk Category — II
     - Velocity — 105 mph
     - Wind Exposure Category — B
     - Internal Pressure Coefficient, GC_{pi} — 0.18 ±
   - Snow Design Data
     - Importance Factor for Snow, I_s — 1.0
     - Ground Snow Load, P_g — 10 psf
     - Exposure Coefficient C_e — 0.9
     - Thermal Factor C_t — 1.0
     - Roof Slope Factor, C_s — 1.0
     - Flat Roof Snow Load P_f — 6.3 psf (Use min 10.4 psf w/Rain on Snow Surcharge)
   - Seismic Criteria
     - Risk Category — II
     - Seismic Importance Factor, I_E — 1.0
     - Site Soil Class — D
     - Mapped Spectral Response Coefficients — S_s = 0.390 / S_1 = 0.150; S_{ds} = 0.387 / S_{d1} = 0.230
     - Seismic Design Category — D
     - Basic Seismic Force Resisting System — Building Frame System; Moment Resisting Frame System
     - Design Base Shear — 0.119W
     - Seismic Response Coefficient, C_s — 0.119
     - Response Modifications Factor, R — 3.25
     - Analysis Procedure — Equivalent Lateral Force
   - Flood Design Data
     - Flood Zone — X
   - Rain Design Data
     - 15-Minute Intensity — 6.54 in/hr
     - 60-Minute Intensity — 3.29 in/hr
   - Deflection and Drift Limitations
     - Roof/Floor Members — L/360
     - Building Drift — H/400
     - Max Wall Deflection — L/600
     - Story Drift (Seismic) — 0.025 h_{sx}

Date: MAY 4th, 2026

Patrick M. Plourde P.E.
Arkansas Registration No. 10449

GENERAL INFORMATION

1. All columns shall be centered on grid lines unless noted otherwise.
2. All column footings shall be centered on columns unless noted otherwise.
3. All wall footings shall be centered on walls unless noted otherwise.
4. Unless otherwise noted or detailed, concrete pads for mechanical equipment shall be 4" thick (minimum) and reinforced with #3 @ 12" O.C. each way centered.
5. Substitution of expansion anchors for embedded anchors shall not be permitted without prior, written approval from the engineer of record.
6. Weights of mechanical equipment shown on the structural plans are for units specified by the Mechanical Engineer. Contractor shall verify weight and any substitutions that result in increased weight shall be approved by the Structural Engineer.
7. Backfill both sides of all foundation and retaining walls equally until low side is up to finish grade. Do not backfill any walls until concrete has reached its specified 28-day compressive strength.
8. Permanent stability of the building and components is not provided until the erection is completed as shown on the contract drawings. Per AISC Latest Edition Code of Standard Practice, "Temporary supports, such as temporary guys, braces, framework, cribbing or other elements required for the erection operation will be determined, furnished and installed by the erector."
9. The contractor shall insure that no construction load exceeds the design live loads indicated on the structural drawings and that these loads are not put on the structural members prior to the time that all framing members and their connections are in place.
10. The contractor shall be responsible for verifying all existing conditions. The contractor shall be responsible for coordinating architectural, structural, mechanical, and electrical details and dimensions. Any discrepancies between such details and dimensions shall be reported to the EOR prior to proceeding with the work.
11. The contractor shall be responsible for erection procedure and sequence to insure the integrity of the building and it's component parts during construction.

SUBMITTALS

1. Review of shop drawings and other submittals by the Structural Engineer does not relieve the Contractor of the responsibility to review and check shop drawings before submitting to the Structural Engineer. 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. All shop drawings must be stamped by the Contractor prior to submittal.
2. Shop Drawings: The Contractor shall submit for Structural Engineer review shop drawings for the following items. Items marked (*) shall have shop drawings sealed by a Professional Engineer registered in the state in which the project is located. Items marker (#) shall be submitted for Structural Engineer's record only.
   A. Structural Steel
   B. Structural Steel Joist
   C. Steel Stairs (*)
   D. Steel Deck
   E. Concrete Mix Designs
   F. Cold-Formed Metal Framing (*)
   G. Concrete Reinforcing Steel
3. Design Calculations: The Contractor shall submit for Structural Engineer's record, design calculations sealed by a Professional Engineer registered in the state in which the project is located for the following items.
   A. Structural Steel Connections
   B. Steel Stairs
   C. Steel Joist (see steel joist section of General Notes)
   D. Cold-Formed Metal Framing

FOUNDATIONS

1. The General Contractor shall employ a qualified Geotechnical Engineer to perform a soils investigation in accordance with the referenced International Building Code (Sections 1803.2 and 1803.6). The Geotechnical Engineer shall provide compacted fill requirements for the building pad and shall review all subgrade and foundation bearing surfaces to ensure their compliance with the slab modulus and minimum bearing pressures noted, limiting total settlement of the structure to 1-inch and settlement to 1/2-inch.
2. Assumed Soil Bearing Pressures
   - Footings on natural soils or compacted structural fill are designed for a minimum soil bearing pressure of 2,000 psf.
   - If the soil at the footing bearing elevations shown is of questionable bearing value, the Engineer or Architect shall be notified immediately.
3. Strip area of all gravel, surface vegetation, topsoil, and any debris. Remove all existing structures, foundations, and below grade site features. After stripping and making required cuts, exposed subgrade should be compacted. Over excavated and stabilize any soft or unstable areas discovered by proof rolling.
4. All foundation bearing surfaces shall be reviewed by the Geotechnical Engineer prior to placing concrete to ensure their compliance with the bearing pressures and subgrade requirements noted. All foundation bearing elevations are estimated and may be adjusted in the field by the geotechnical engineer as required.
5. If the soil at the bearing elevations shown is of questionable bearing value, the Structural Engineer of Record or Architect shall be notified immediately.
6. Where fill material is required over in-situ subgrade, scarify subgrade to a minimum depth of 9" and adjust moisture content to equal optimum moisture content. Compact scarified subgrade using the same requirements listed below for compacted structural fill
7. All fill material under structural shall comply with requirements stated in Geotechnical Report unless specifically noted otherwise. As a minimum, all fill material under structure shall be sandy clay or clayey sand exhibiting a liquid limit less than 35. Fill material shall be placed in loose lifts not to exceed 8" and compacted to a density of not less than 95% of Modified Proctor Maximum Dry Density (ASTM D-1557) at or slightly wet of optimum moisture content. In place moisture and density of each lift shall be determined by in-situ field tests prior to placing additional fill.
8. After footing excavations are completed and before placing concrete, the excavated areas shall be inspected and approved by the Owner's selected independent testing laboratory.
9. Provide a minimum or a 4" clean free draining granular sub-base fill below all interior slabs-on-grade unless noted or detailed otherwise. Sub-base shall meet gradation requirements of ASTM C-33 size No. 67 unless specifically noted otherwise.
10. A 10-mil polyethylene film vapor barrier meeting the requirements in the specifications, shall be placed below all interior slabs on grade.

CAST-IN-PLACE CONCRETE

1. Structural Concrete
   - Cast-In-Place Concrete
   - Concrete Reinforcing - Bar (Typical) — ASTM A615, GR 60
   - Concrete Reinforcing - Bar (Weldable) — ASTM A706, GR 60
   - Concrete Reinforcing - Welded Wire Fabric — ASTM A185, (Plain); ASTM A497, (Deformed)
   - Cement — ASTM C150
   - Aggregate — ASTM C33, ASTM C330

Concrete Mix Criteria

Class Use	Category F S W C	fc, PSI	WT, PCF	AGG, IN	AE, %
I. FTG/FDN/PC	0 1 1 1	3500	145	1"	NA
II. Interior Slab	0 1 1 1	4000	145	¾"	NA
III. Exterior Slab	1 1 1 2	4000	145	¾"	6 ±1
IV. All Other	0 1 1 1	4000	145	1"	NA

   - A concrete mix design for every mix design noted in the Contract Documents shall be submitted for each class in accordance with the procedure outlined in ACI 301, Standard Specification For Structural Concrete. Documentation submitted in the mix design shall include: mix design recipe, cementitious material data sheets, aggregate gradation, cylinder brake data, and admixture data sheets.
   - On the use of admixtures and limits on the water/cementitious materials ratio for durability, reference the project manual/specifications, ACI 318, and IBC requirements for structural concrete.
2. Arrangement and bending of reinforcing steel shall be in accordance with ACI Detailing Manual, latest edition.
3. Reinforcing steel shall be new and all bars shall be deformed.
4. Contractor shall provide reinforcing shop drawings which adequately depict the reinforcing bar sizes and placement. Written description of reinforcement without adequate sections, elevations and details is not acceptable.
5. Unless noted otherwise, bar laps shall be Class B tension laps and shall be lapped with minimum lengths as shown in tables below, where splices are required in reinforcing. Shorter laps may be acceptable if specific locations of alternate laps are shown on the reinforcement placement drawings and calculations are submitted by a Registered Professional Engineer, licensed to practice in the state in which the project is located, justifying the alternate lap lengths.
6. Provide suitable wire spacers, chairs, ties, etc. for supporting reinforcing steel in the proper position while placing concrete. Do not "wet stick" dowels.
7. Minimum lap and embedment of Welded Wire Fabric (WWF) to be one cross wire spacing plus 2".
8. Before placing concrete, clean reinforcement for foreign particles or coatings. Place, support, and secure reinforcement against displacement. For cast-in-place concrete, provide cover as shown below, unless noted otherwise on drawings, and as specified in ACI 318, building code requirements for structural concrete.

Application/condition	Required cover, Inches
Cast against and permanently exposed to earth	3"
Exposed to earth or weather:	
No.6 through No.19 bars	2"
No.5 bar, W31 or D31 wire, and smaller	1 1/2"
Not exposed to weather or in contact with ground:	
Slab, walls, joints:	
No. 14 and No. 18 bars	1 1/2"
No. 11 bar and smaller	3/4"
Beam, columns:	
Primary reinforcements, ties, stirrups, spirals	1 1/2"
Shells, folded plate members:	
No.6 bar and larger	3/4"
No.5 bar, W31 or D31 wire, and smaller	1/2"

9. Locations and sizes of openings, sleeves, etc. required for other trades must be verified by these trades before placing concrete.
10. All slots, sleeves, trenches, and other embedded items shall be set and secured against movement before the concrete is placed. See Architectural, Electrical, Mechanical, Plumbing, and Vendor drawings for sizes and locations. Coordinate locations, spacing, and sizes with the Structural Engineer of Record prior to pouring concrete.
11. Conduits and pipes embedded in concrete slabs may be no larger than ⅓ of the slab thickness (based on the maximum outside diameter) and shall have a center-to-center spacing no less than three (3) conduit diameters. Regardless of diameter, the minimum clear spacing between conduits or reinforcing shall be one (1) inch.
12. No more than four conduits may be placed adjacent to each other without prior approval in writing from the Structural Engineer of Record.
13. No aluminum conduits, devices, or fixtures may be embedded into the concrete so that the aluminum is in direct contact with the concrete.
14. For slabs-on-grade, provide saw-cut control joints see the foundation plan and typical details for control joint layout and details.
15. Saw-cuts shall be made as soon as the concrete can support the saw without damaging the surface (eight (8) hours max from the start of the concrete pour).
16. Reinforcing steel shown in sections and detail are a schematic indication that reinforcing exists. See schedules, section notes and General Notes for actual reinforcing required.
17. Pedestal, Column and Wall Vertical Reinforcing: Dowel to foundation with hooked bars of same size and spacing as vertical reinforcing.
18. Submit written reports of each proposed mix design for class of concrete with concrete cylinder test results at least 15 days prior to start of work.
19. All concrete that will be exposed to the weather shall have air entrainment.
20. All structural concrete exposed to view to be smooth formed finished with ¾" chamfers at all exposed edges.

ACI lap splice length (Inches)

Bar Size	F'C = 3000 PSI				F'C = 3500 PSI				F'C = 4000 PSI			
	Top Bars		Other Bars		Top Bars		Other Bars		Top Bars		Other Bars	
	Case 1	Case 2	Case 1	Case 2	Case 1	Case 2	Case 1	Case 2	Case 1	Case 2	Case 1	Case 2
#3	28	42	22	32	26	39	21	30	24	36	19	28
#4	37	56	29	43	35	52	27	40	32	48	25	37
#5	47	70	36	54	44	65	34	51	40	60	31	47
#6	56	84	43	64	52	78	40	60	48	72	37	56
#7	81	122	63	19	76	114	59	88	70	106	54	81
#8	93	139	72	107	87	130	67	100	80	121	32	93
#9	105	157	81	121	89	147	76	113	91	136	70	105
#10	118	177	91	136	110	165	85	127	102	153	79	118
#11	131	196	101	151	122	183	94	141	113	170	87	131

NOTES:
1. Tabulated values are based on grade 60 bars and normal weight concrete.
2. Cases 1 and 2, which depend on the type of structural element, concrete cover, and the center-to-center spacing of the bars, are defined as:

Beams or columns :
Case 1: Cover at least 1.0 db and C.C. spacing of at least 2.0 db.
Case 2: Cover less than 1.0 db and C.C. spacing less than 2.0 db.

All others :
Case 1: Cover at least 1.0 db and C.C. spacing of at least 3.0 db.
Case 2: Cover less than 1.0 db and C.C. spacing less than 3.0 db.

3. Top bars are horizontal beam and slab bars with more than 12" of concrete below the bars.
4. For lightweight aggregate concrete, multiply the tabulated values by 1.3.
5. For epoxy-coated bars, multiply the tabulated values by one of the following factors:

Concrete cover and spacing	Top bars	Other bars Cover
Cover < 3.0 DB or C.C. spacing < 7.0 DB	1.7/1.3 = 1.31	1.50
Cover > 3.0 DB or C.C. spacing > 7.0 DB	1.20	1.20

6. Bar development length = lap spliced length/ 1.3.
7. Wire mesh lap:
   Lap all wire mesh cross wires one cross wire spacing plus 2", typical.

STRUCTURAL STEEL

1. Structural Steel
   - Wide Flange — ASTM A992 or ASTM A572
   - Channels, Angles and Plates — ASTM A572
   - Non-Shrink Grout Under Plates (f'c=8000 PSI) — ASTM C1107, GR A
   - Rect. Hollow Structural Sections HSS, (Fy = 50 KSI) — ASTM A500, GR C
   - Round. Hollow Structural Sections HSS, (Fy = 46 KSI) — ASTM A500, GR C
   - Pipe, (Fy = 35 KSI) — ASTM A53, GR B
   - Bolts and Fasteners (U.N.O.) — ASTM A325
   - Structural/Anchor Rods — ASTM F1554, Grade 55 (Weldable)
   - Headed Shear Studs — ASTM A108, AWS D1.1, Type B
2. Steel frames are non-self-supporting and column anchor rods are designed for a completed condition only. Metal roof deck, beam-to-column moment connections, portal frames, and diagonal braces are required to provide lateral stability for the frame and building. This includes resistance to wind and seismic forces during and after construction. The Contractor shall provide all temporary bracing required to maintain stability until the lateral force resisting system for the building is complete.
3. The General Contractor shall be responsible for including the costs for all miscellaneous steel in their bid regardless of whether or not those items are indicated on the structural drawings. These costs shall include, but are not limited to, miscellaneous steel items shown on Architectural, Civil, Mechanical, Plumbing, and Electrical drawings.
4. Steel erector shall provide the necessary bracing during erection and until all steel is plumb and secure.
5. Bearing ends of all columns shall be square cut.
6. Steel to steel connections shall be designed as follows:
   A. The fabricator shall be responsible for the design of all connections that are Not Designed by the EOR and fully detailed on the contract documents. Shop drawings depicting the configurations and fabrication details, along with calculations (as noted in the submittals notes section) shall be submitted to the EOR for review and approval.
   B. All connection details shown in the typical details are considered conceptual unless completely detailed. The fabricator can use alternate connection configurations with prior approval by the EOR.
   C. Required reactions for connection design are shown on plan, in elevations, or in typical details. Loads provided are in **Allowable Stress Design (ASD)** and shall be designed using ASD design procedures.
   D. Where connections are subjected to eccentricity, the eccentricity shall be taken into account when designing the connection.
   E. Axial loads and moments should be considered to be reversible and act concurrently with noted shear loads.
7. Unless detailed otherwise, all shop connections shall be welded. Unless detailed otherwise, all field connections shall be made using 3/4"ø, and 1"ø where indicated, ASTM A325-N (or ASTM F1852) high strength bolts ('N' indicates bearing type with threads included in shear plane). Washers shall be installed under nuts of fasteners when required by the specifications of structural joints.
8. Where field and shop welds are indicated on the drawings, they shall be the size and length noted. All welding of structural steel shall be done in accordance with the latest edition of AWS D1.1 corresponding to the AISC specification used and all welds including field welds shall be made by certified welders using E70XX electrodes.
9. High strength bolts (3/4"ø and 1"ø - A325 or F1852) shall be tightened to provide, when all bolts in the joint are tight, a minimum bolt tension of 28,000 lbs for 3/4"ø bolts and 51,000 lbs for 1"ø bolts. One of the following methods shall be used.
   A. Power wrenches adjusted to stall or cut-out at the correct tension.
   B. Manual torque wrenches with torque indication set to give the correct tension.
   C. Manual wrenches using the "turn-of-nut" method of assuring the correct bolt tension.
10. Unless specifically noted otherwise, all high-strength bolts (A325, F1852, and A490) shall be pre-tensioned to meet slip-critical requirements even if the joint is designed as a "Snug-Tight" bearing connection. All joints shall be designed to be bearing type connections unless noted otherwise.
11. All steel members exposed to weather shall be galvanized or painted with TNEMEC Epoxy System or similar system meeting the requirements for painting structural steel in the project specifications. All other steel members shall be furnished with a shop coat of TNEMEC red or gray oxide primer or similar system meeting the requirements for painting structural steel in the project specifications. All primers shall be compatible with top coatings specified.
12. All steel members that are to receive spray or trowel applied, cementitious based, fire-resisting coatings shall be furnished without prime coating unless otherwise noted.
13. All hangers, clips, inserts, etc. suspended from the floor structure or the roof structure (Beams, Joists, and Deck) shall be installed prior to the application of the sprayed-on fireproofing. Patch any fireproofing damaged after the initial application.
14. All exterior exposed steel shall be hot-dipped galvanized, including masonry support lintels, unless noted otherwise.
15. Field cutting, drilling, or other modification of structural steel components is not permitted without written approval of the Structural Engineer of Record. Where beam penetrations cannot be avoided or where cutting is required, the Contractor shall submit, to the Structural Engineer of Record, all pertinent information including penetration shape, size, location, and method of cutting the openings.

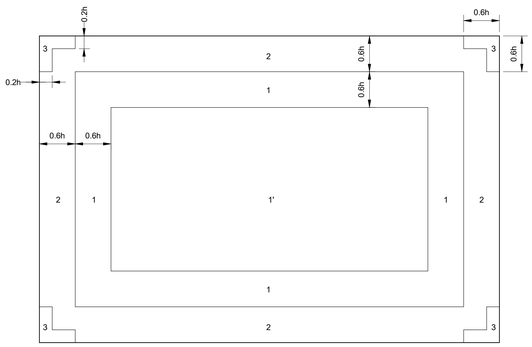
STEEL JOISTS

1. Steel joists shall be K, KCS, LH, DLH, or SLH series, welded type of the depth and size shown on the drawings.
2. Roof joist shall be designed for a net uplift calculated using the appropriate ultimate wind pressures in the components and cladding tables and a dead load of 15 psf.
3. Contractor shall read the latest edition of the SJI "Standard Specifications" and shall adhere to the requirements of the sections entitled, "Erection Stability and Handling" for each joist and girder series used.
4. Joist bridging shall be provided in accordance with the requirements of the Occupational Safety and Health Administration (OSHA) and SJI. Bridging requirements shall include, but shall not be limited to, the following:
   A. Bridging size shall be per SJI unless specifically noted on the drawings.
   B. Bottom chord bridging shall be provided per SJI requirements for the net uplift forces indicated on the drawings. As a minimum, a single line of continuous bridging shall be provided near the first bottom chord panel point at each end of the joist.
   C. All joists forty (40) feet and longer shall have a row of bolted diagonal bridging in place, in accordance with OSHA requirements, before slacking of hoisting lines.
5. Joists shall be welded to supporting steel in accordance with the SJI specifications.
6. Extend top and bottom chords where noted on the drawings.
7. Provide ceiling extensions in areas where ceilings occur.
8. Bottom chord extensions shall be supplied for all joists and girders located on column grids and on the first joist line on either side of the column grid unless noted otherwise.
9. For all special joists or joist girders that require specific orientation, provide tag at one end and define location of tagged end on erection drawings.
10. Steel joists shall comply with Underwriters Laboratories design or designs as noted in the plans and specifications, including maximum allowable stresses, minimum top and bottom chord sizes, bridging requirements, compatible finishes, etc.
11. Refer to MEP/HVAC drawings for locations and weights of roof or floor mounted mechanical equipment. Joist manufacturer shall design joists to support all such loads. Contractor shall coordinate MEP/HVAC unit size, weight, and location and verify conformance with structural framing plans.
12. RTU weights, sizes, and locations shown are estimates. It is the responsibility of the contractor to verify exact loadings, sizes, and locations with the MEP contractor. Joists shall be strengthened as required to accommodate mechanical units. Shop drawings shall indicate coordinated loadings and locations.
13. Bridging shall be horizontal for K series joists "X-ed" where indicated on the plan. Joist bridging shall be sized, spaced, and installed according to SJI specifications.

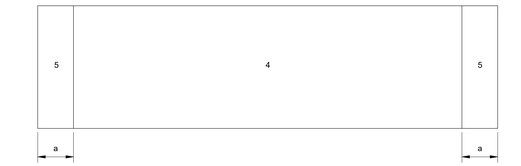
STEEL DECK

1. The Contractor shall follow all recommended practices in the SDI manual.
2. Deck shall be galvanized steel deck unless noted otherwise on the drawings.
3. Where steel deck is part of a rated assembly, supply all deck and components, which comply with requirements of Underwriters Laboratories (UL) for each type of assembly specified, reference plans and specifications. Where deck is to receive spray fireproofing, finishes shall be compatible with fireproofing material and comply with UL assembly requirements. Before the fireproofing material is applied, the deck surface to be treated shall be free of rust, scale, oil, or other contaminants or elements which will impair bond.
4. The deck shall be fastened to supporting steel as shown on the drawings.
5. Alternate fastening options using mechanical fasteners, power-actuated, or screws may be considered, if submitted by the Contractor. Alternate systems and documentation certifying that the proposed system provides at least the same uplift and diaphragm shear resistance as the system and pattern specified must be submitted to the Structural Engineer of Record prior to use.
6. Provide a 2" minimum bearing and a 4" lap at the splice point of all pieces of deck.
7. Where possible, all decking shall be 3-span continuous, minimum. Decking specified on this project assumes a 3-span condition unless noted otherwise. The Contractor shall provide heavier gauge deck, as required, for one or two span conditions to meet equivalent load capacity of the specified deck under a 3-span condition.
8. Steel roof deck shall not be used to support load from plumbing VAC ducts, light fixtures, architectural elements, or equipment of any kind unless specifically noted.
9. Hanging any loads directly from steel roof deck shall be avoided whenever possible. Nevertheless, normal suspended acoustical ceilings with a total weight per wire not exceeding 50 lbs may be hung from the steel roof deck in cases where hanging loads from the deck cannot be avoided. If possible, the attachment should be staggered to further distribute the load. If load is directly supported by the deck, tabs or other build-in devices should be provided for hanging referenced loads.
10. Supply 8" wide, minimum, plates matching deck gauge or heavier for all ridge, valley, and change in deck direction locations, which do not fall over a supporting member at least 4" wide.

AB	Anchor Bolts(s)
ADDL	Additional
AFF	Above Finish Floor
ALT	Alternate
ARCH	Architect, Architectural
B/	Back of
BLDG	Building(s)
BLK	Block(s)
BM	Beam(s)
BOF	Bottom of Footing Elevation
BOT	Bottom
BRDG	Bridging
BRNG	Bearing
BRK	Brick(s)
BTWN	Between
BUR	Built-up Roof
CJ	Control Joint, Contraction Joint, Construction Joint
CL	Centerline
CLG	Ceiling
CLR	Clear
CMU	Concrete Masonry Units
COL	Column(s)
CONC	Concrete
CONN	Connection(s)
CONST	Construction
CONT	Continue, Continuous
CTRD	Centered
DBA	Dowel Bar Anchor, Deformed Bar Anchor
DBL	Doubled
DIA	Diameter
DIAG	Diagonal
DIM	Dimension
DWG(S)	Drawing(s)
DWL	Dowel(s)
E/	Edge of, End of
EA	Each
EB	Expansion Bolt(s)
EBC	Extended Bottom Chord
EF	Each Face
EIFS	Exterior Insulated Finish System
EJ	Expansion Joint
EL	Elevation
ELEC	Electrical
ELEV	Elevator
ENG	Engineer(ed)
EQ	Equal
EXP	Expansion
EQMT	Equipment
EW	Each Way
EWIJ	Engineered Wood I-Joist
EXST	Existing
EXT	Exterior
F/	Face of
FD	Floor Drain
FDN	Foundation
FIN FLR	Finish Floor Elevation
FS	Far Side
FT	Foot, Feet
FTG	Footing
GA	Gage, Gauge
GALV	Galvanized
GLB	Glue-laminated Beam
GR BM	Grade Beam
GR	Grade
GYP BD	Gypsum Board
HD	Headed, Heavy Duty
HDR	Header
HI	High
HK	Hook
HORZ	Horizontal
HP	High Point
HR	Handrail
HS	Headed Stud
HSS	Hollow Steel Section
HVAC	Heating, Ventilation, & Air Conditioning
D	Inside Diameter
IN	Inch, Inches
INSUL	Insulate, Insulation
INT	Interior
INV	Invert
JBE	Joist Bearing Elevation
JST	Joist(s)
JT	Joint
K	Kip(s) (1,000 pounds)
LF	Linear Foot, Linear Feet
LT GA	Light Gauge
LLH	Long Leg Horizontal
LLO	Long Leg Outstanding
LLV	Long Leg Vertical
LO	Low
LP	Low Point
LT	Left, Light
LT WT	Lightweight
MAS	MATL
MATL	Material
MAX	Maximum
MECH	Mechanical
MFR	Manufacturer
MIN	Minimum
MISC	Miscellaneous
MO	Masonry Opening
MPH	Miles Per Hour
MTL	Metal
N	North
NIC	Not-in-Contract
NOM	Nominal
NS	Near Side
NSG	Non-shrink Grout
NTS	Not-to Scale
NUM	Number
OC	On-center
OD	Outside Diameter, Outside Dimension
OH	Opposite Hand, Overhead
OPNG	Opening
OPP	Opposite
PAR	Parallel
PC	Precast, Precast Concrete
PDF	Power Driven Fastener
PL	Plate, Property Line
PLF	Pounds Per Linear Foot
PLYWD	Plywood
PNL	Panel
PROJ	Project, Projection
PSF	Pounds Per Square Foot
PSI	Pounds Per Square Inch
PTD	Painted
PVMT	Pavement
QTY	Quantity
R (or) RAD	Radius
RD	Roof Drain
REBAR	Reinforcing Bar
REF	Reference
REINF	Reinforce, Reinforcing, Reinforcement
REQD	Required
REV	Revise, Revision
RH	Right Hand
RO	Rough Opening
S	South
SC	Slotted Connection, Slip Connection
SCH	Schedule
SECT	Section
SF	Square Feet
SHT	Sheet
SHTG	Sheathing
SIM	Similar
SJ	Saw Joint
SK	Shear Key
SP	Space(s), Southern Pine
SPECS	Specifications
SQ	Square
SS	Stainless Steel
SSL	Short Slotted Hole
STD	Standard
STF	Stiffener
STL	Steel
STR	Straight
STRUCT	Structural
SYM	Symmetrical
T&B	Top & Bottom
T&G	Tongue & Groove
THK	Thick, Thickness
THRD	Threaded
THRU	Through
TM	Top-of-Masonry Elevation
TOB	Top-of-Beam Elevation
TOC	Top-of-Concrete Elevation
TOF	Top-of-Footing Elevation
T/STL	Top-of-Steel Elevation
TP	Top-of-Parapet Elevation
TW	Top-of-Wall Elevation
TYP	Typical
UNO	Unless Noted Otherwise
VERT	Vertical
W/	With
W/O	Without
WB	Wind Bracing
WCJ	CMU Wall Control Joint
WD	Wood
WP	Working Point
WPR	Waterproofing
WS	Waterstop
WWF	Welded Wire Fabric



TYPICAL C & C FLAT ROOF DIAGRAM



TYPICAL C & C WALL DIAGRAM

FLAT ROOF PRESSURES (psf)

Area	Zone 1'	Zone 1	Zone 2	Zone 3
10.0	-23.37	-40.68	-53.66	-73.13
20.0	-23.37	-37.99	-50.21	-66.23
50.0	-23.37	-34.45	-45.65	-57.11
100.0	-23.37	-31.76	-42.2	-50.21
200.0	-20.11	-29.08	-38.75	-43.31
500.0	-16.0	-25.53	-34.19	-34.19

WALL WIND PRESSURES (psf)

	Zone 4		Zone 5	
Area	Win	Lee	Win	Lee
10.0	23.37	-25.31	23.37	-31.16
20.0	22.33	-24.28	22.33	-29.09
50.0	20.96	-22.91	20.96	-26.35
100.0	19.93	-21.88	19.93	-24.28
200.0	18.89	-20.84	18.89	-22.21
500.0	17.53	-19.47	17.53	-19.47

PARAPET WIND PRESSURES (psf)

	Zone 4p		Zone 5p	
Area	Win	Lee	Win	Lee
10.0	19.96	-51.01	19.96	-70.98
20.0	18.9	-47.48	18.9	-63.9
50.0	17.5	-42.8	17.5	-54.55
100.0	16.44	-39.26	16.44	-47.48
200.0	16.0	-35.73	16.0	-40.4
500.0	16.0	-31.05	16.0	-31.05

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Little Rock Eye Clinic West

WEST

DESIGN DEVELOPMENT

NOT FOR CONSTRUCTION

NO.	ISSUE	DATE

LREYEC26.00
JOB NO.

DATE

GENERAL NOTES
TITLE

S000
SHEET NO.

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Special Inspection General Notes

1. All Special Inspections shall be performed in conformance with the referenced International Building Code and its referenced specifications.
2. The Special Inspector shall be employed by the owner or the owner's agent and not by the Contractor or Subcontractor whose work is to be inspected or tested. any conflict of interest must be disclosed to the Building Official prior to completing work.
3. The Special Inspector shall be qualified per the international building code and shall be educated in the tasks required to conduct, supervise, and evaluate the inspections. The Special Inspector must also be objective, competent, and have access to the appropriate testing equipment which shall be maintained and periodically calibrated. The qualifications of the Special Inspector may be subject to the approval of the Building Inspector.
4. Special Inspector Agents:
   A. ATA: Approved Testing Agency
   B. GEOR: Geotechnical Engineer of Record (see General Notes)
   C. SEOR: Structural Engineer of Record (Live Oak Engineering)
5. The Special Inspections shall be performed in addition to any observations performed by the Engineer of Record and any inspections performed by the Building Official
6. The Special Inspector shall maintain records and provide the queried documentation as prescribed in the referenced International Building Code, including the submittal of reports to the building official and the designer of record.
7. The Contractor shall coordinate with construction schedule with the Special Inspector to allow for Special Inspections.
8. Construction which requires Special Inspections shall be maintained in such a state to allow access for the Special Inspector until the required inspections or tests have been performed.
9. Any deviations found during the Special Inspection process shall be immediately brought to the attention of the designer of record. All deviations must be addressed prior to the completion of the work.
10. Inspection Frequency:
    A. Continuous - Special Inspections by the Special Inspector who is present when and where the work to be inspected is performed
    B. Periodic - Special Inspections by the Special Inspector who is intermittently present where the work to be inspected has been or is being performed.
    C. Observe - Observe items on a random basis. Operations need not be delayed pending these inspections.
    D. Perform. Perform tasks for each joint, member, and connection.

			VERIFICATION AND INSPECTION	REFERENCED STANDARDS	IBC REFERENCE	SERVICES	EXTENT
1.			**IBC 2021 SECTION 1704.2.5 - INSPECTION OF FABRICATORS**				
	1.		VERIFY FABRICATION/QUALITY CONTROL PROCEDURES.			IN-PLANT	ONCE
2.			**IBC 2021 SECTION 1705.2.1 - SPECIAL INSPECTION FOR STRUCTURAL STEEL**				
	1.		INSPECTION TASKS PRIOR TO WELDING	AISC 360: TABLE N5.4-1			
		A.	WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS			IN-FIELD	PERIODIC
		B.	WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE			IN-FIELD	CONTINUOUS
		C.	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE			IN-FIELD	CONTINUOUS
		D.	MATERIAL IDENTIFICATION (TYPE/GRADE)			IN-FIELD	PERIODIC
		E.	WELDER IDENTIFICATION SYSTEM			IN-FIELD	PERIODIC
		F.	FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)				
			a. JOINT PREPARATION			IN-FIELD	PERIODIC
			b. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)			IN-FIELD	PERIODIC
			c. CLEANLINESS (CONDITION OF STEEL SURFACES)			IN-FIELD	PERIODIC
			d. TACKING (TACK WELD QUALITY AND LOCATION)			IN-FIELD	PERIODIC
			e. BACKING TYPE AND FIT (IF APPLICABLE)			IN-FIELD	PERIODIC
		G.	FIT-UP OF CJP WELDS TO HSS T-, Y-, AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY)				
			a. JOINT PREPARATION			IN-FIELD	PERIODIC
			b. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)			IN-FIELD	PERIODIC
			c. CLEANLINESS (CONDITION OF STEEL SURFACES)			IN-FIELD	PERIODIC
			d. TACKING (TACK WELD QUALITY AND LOCATION)			IN-FIELD	PERIODIC
			e. BACKING TYPE AND FIT (IF APPLICABLE)			IN-FIELD	PERIODIC
		H.	CONFIGURATION AND FINISH OF ACCESS HOLES			IN-FIELD	PERIODIC
		I.	FIT-UP OF FILLET WELDS				
			a. DIMENSIONS (ALIGNMENT, GAPS AT ROOT)			IN-FIELD	PERIODIC
			b. CLEANLINESS (CONDITION OF STEEL SURFACES)			IN-FIELD	PERIODIC
			c. TACKING (TACK WELD QUALITY AND LOCATION)			IN-FIELD	PERIODIC
		J.	CHECK WELDING EQUIPMENT			IN-FIELD	PERIODIC
	2.		INSPECTION TASKS DURING WELDING	AISC 360: TABLE 5.4-2			
		A.	USE OF QUALIFIED WELDERS			IN-FIELD	PERIODIC
		B.	CONTROL AND HANDLING OF WELDING CONSUMABLES				
			a. PACKAGING			IN-FIELD	PERIODIC
			b. EXPOSURE CONTROL			IN-FIELD	PERIODIC
		C.	NO WELDING OVER CRACKED TACK WELDS			IN-FIELD	PERIODIC
		D.	ENVIRONMENTAL CONDITIONS				
			a. WIND SPEED WITHIN LIMITS			IN-FIELD	PERIODIC
			b. PRECIPITATION AND TEMPERATURE			IN-FIELD	PERIODIC
		E.	WPS FOLLOWED				
			a. SETTINGS ON WELDING EQUIPMENT			IN-FIELD	PERIODIC
			b. TRAVEL SPEED			IN-FIELD	PERIODIC
			c. SELECTED WELDING MATERIALS			IN-FIELD	PERIODIC
			d. SHIELDING GAS TYPE/FLOW RATE			IN-FIELD	PERIODIC
			e. PREHEAT APPLIED			IN-FIELD	PERIODIC
			f. INTERPASS TEMPERATURE MAINTAINED (MIN/MAX)			IN-FIELD	PERIODIC
			g. PROPER POSITION (F, V, H, OH)			IN-FIELD	PERIODIC
		F.	WELDING TECHNIQUES				
			a. INTERPASS AND FINAL CLEANING			IN-FIELD	PERIODIC
			b. EACH PASS WITH PROFILE LIMITATIONS			IN-FIELD	PERIODIC
			c. EACH PASS MEETS QUALITY REQUIREMENTS			IN-FIELD	PERIODIC
		G.	PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS			IN-FIELD	CONTINUOUS
	3.		INSPECTION TASKS AFTER WELDING	AISC 360: TABLE N5.4-3			
		A.	WELDS CLEANED			IN-FIELD	PERIODIC
		B.	SIZE, LENGTH, AND LOCATION OF WELDS			IN-FIELD	CONTINUOUS
		C.	WELDS MEET VISUAL ACCEPTANCE CRITERIA				
			a. CRACK PROHIBITION			IN-FIELD	CONTINUOUS
			b. WELD/BASE-METAL FUSION			IN-FIELD	CONTINUOUS
			c. CRATER CROSS SECTION			IN-FIELD	CONTINUOUS
			d. WELD PROFILES			IN-FIELD	CONTINUOUS
			e. WELD SIZE			IN-FIELD	CONTINUOUS
			f. UNDERCUT			IN-FIELD	CONTINUOUS
			g. POROSITY			IN-FIELD	CONTINUOUS
		D.	ARC STRIKES			IN-FIELD	CONTINUOUS
		E.	K-AREA			IN-FIELD	CONTINUOUS
		F.	WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES			IN-FIELD	CONTINUOUS
		G.	BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)			IN-FIELD	CONTINUOUS
		H.	REPAIR ACTIVITIES			IN-FIELD	CONTINUOUS
		I.	DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER			IN-FIELD	CONTINUOUS
		J.	NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE E.O.R.			IN-FIELD	PERIODIC
	4.		NONDESTRUCTIVE TESTING	AISC 360: N5.5			
		A.	ULTRASONIC TESTING ON CJP (RISK CAT II)	AISC 360: N5.5b		IN-FIELD	PERIODIC
		B.	ULTRASONIC TESTING ON CJP (RISK CAT III OR IV)	AISC 360: N5.5b		IN-FIELD	CONTINUOUS
		C.	RADIOGRAPHIC OR ULTRASONIC INSPECTION OF WELDED JOINTS SUBJECT TO FATIGUE	AISC 360: N5.5c, APP 3, TABLE A3.1		IN-FIELD	CONTINUOUS
	5.		INSPECTION TASKS PRIOR TO BOLTING	AISC 360: TABLE N5.6-1			
		A.	MANUFACTURE'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS			IN-FIELD	CONTINUOUS
		B.	FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS			IN-FIELD	PERIODIC
		C.	CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH, IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)			IN-FIELD	PERIODIC
		D.	CORRECT BOLTING PROCEDURES SELECTED FOR JOINT DETAIL			IN-FIELD	PERIODIC
		E.	CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS			IN-FIELD	PERIODIC
		F.	PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED			IN-FIELD	PERIODIC
		G.	PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS			IN-FIELD	PERIODIC
	6.		INSPECTION TASKS DURING BOLTING	AISC 360: TABLE N5.6-2			
		A.	FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED			IN-FIELD	PERIODIC
		B.	JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRE-TENSIONING OPERATION			IN-FIELD	PERIODIC
		C.	FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING			IN-FIELD	PERIODIC
		D.	FASTENERS ARE PRE-TENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION , PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES			IN-FIELD	PERIODIC

			VERIFICATION AND INSPECTION	REFERENCED STANDARDS	IBC REFERENCE	SERVICES	EXTENT
	7.		INSPECTION TASKS AFTER BOLTING	AISC 360: TABLE N5.6-3			
		A.	DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS			IN-FIELD	CONTINUOUS
	8.		OTHER STEEL INSPECTIONS				
		A.	INSPECT FABRICATED STEEL OR STEEL FRAMES TO VERIFY COMPLIANCE			IN-FIELD	PERIODIC
			b. DIMENSIONAL TOLERANCES			IN-FIELD	CONTINUOUS
			c. PROTECTED ZONE-NO HOLES AND UNAPPROVED ATTACHMENTS MADE BY FABRICATOR OR ERECTOR AS APPLICABLE			IN-FIELD	CONTINUOUS
		D.	INSPECTION OF PILING - H PILES	AISC 341: TABLE J10-1			
			a. PROTECTED ZONE-NO HOLES AND UNAPPROVED ATTACHMENTS MADE BY THE RESPONSIBLE CONTRACTOR, AS APPLICABLE			IN-FIELD	CONTINUOUS
	9.		STEEL ELEMENTS OF COMPOSITE CONSTRUCTION	AISC 341: TABLE J9-1			
		A.	INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT				
			d. MATERIAL IDENTIFICATION OF REINFORCEMENT STEEL (TYPE/GRADE)			IN-FIELD	PERIODIC
			e. DETERMINATION OF CARBON EQUIVALENT FOR REINFORCING STEEL OTHER THAN ASTM A706			IN-FIELD	PERIODIC
			f. PROPER REINFORCING STEEL SIZE, SPACING AND ORIENTATION			IN-FIELD	PERIODIC
			g. REINFORCING STEEL HAS NOT BEEN REBENT IN THE FIELD			IN-FIELD	PERIODIC
			h. REINFORCING STEEL HAS BEEN TIED AND SUPPORTED AS REQUIRED			IN-FIELD	PERIODIC
			i. REQUIRED REINFORCING STEEL CLEARANCES HAVE BEEN PROVIDED			IN-FIELD	PERIODIC
			j. COMPOSITE MEMBER HAS REQUIRED SIZE			IN-FIELD	PERIODIC
		B.	INSPECTION OF STEEL ELEMENTS OF COMPOSITE STRUCTURES DURING CONCRETE PLACEMENT	AISC 341: TABLE J9-2			
			a. CONCRETE: MATERIAL IDENTIFICATION (MIX DESIGN, COMPRESSIVE STRENGTH, MAXIMUM LARGE AGGREGATE SIZE, MAXIMUM SLUMP)			IN-FIELD	PERIODIC
			b. LIMITS ON WATER ADDED AT THE TRUCK OR PUMP			IN-FIELD	PERIODIC
			c. PROPER PLACEMENT TECHNIQUES TO LIMIT SEGREGATION			IN-FIELD	PERIODIC
		C.	INSPECTION OF STEEL ELEMENTS OF COMPOSITE STRUCTURES AFTER CONCRETE PLACEMENT	AISC 341: TABLE J9-3			
			a. ACHIEVEMENT OF MINIMUM SPECIFIED CONCRETE COMPRESSIVE STRENGTH AT SPECIFIED AGE			IN-FIELD	PERIODIC

			VERIFICATION AND INSPECTION	REFERENCED STANDARDS	IBC REFERENCE	SERVICES	EXTENT
3.			**IBC 2021 1705.2.2 - REQUIRED VERIFICATION AND INSPECTION OF COLD FORMED STEEL DECK**				
	1.		MATERIAL VERIFICATION OF COLD FORMED STEEL DECK	SDI QA/QC			
		A.	IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS			SUBMITTAL	PERIODIC
		B.	MANUFACTURER'S CERTIFIED TEST REPORTS			SUBMITTAL	PERIODIC

			VERIFICATION AND INSPECTION	REFERENCED STANDARDS	IBC REFERENCE	SERVICES	EXTENT
4.			**IBC 2021 TABLE 1705.2.3 - REQUIRED SPECIAL INSPECTIONS OF OPEN-WEB JOISTS AND JOIST GIRDERS**				
	1.		INSTALLATION OF OPEN-WEB STEEL JOIST AND GIRDERS.				
		A.	END CONNECTIONS - WELDING OR BOLTED.		2207.1	SUBMITTAL	PERIODIC
		B.	BRIDGING - HORIZONTAL OR DIAGONAL.				
			a. STANDARD BRIDGING		2207.1	SUBMITTAL	PERIODIC
			b. BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1				

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SPECIAL INSPECTIONS

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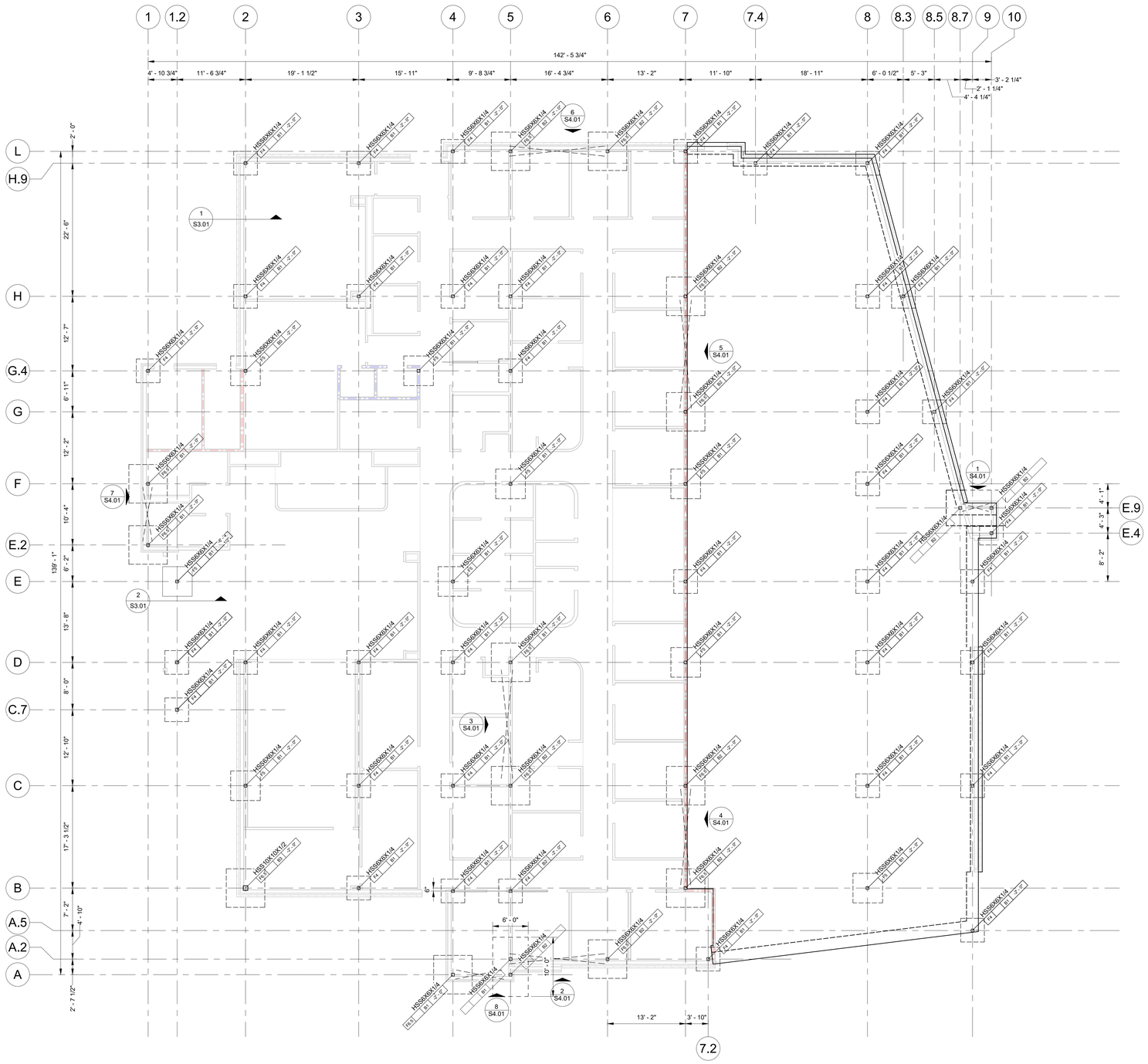
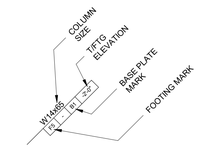


1 S1.01 FOUNDATION PLAN
1/8" = 1'-0"

PAD FOOTING SCHEDULE		
MARK	FOOTING SIZE	REINFORCEMENT
F4	4' - 0"x4' - 0"x1' - 0"	(5)#5 EW, T&B
F5	5' - 0"x5' - 0"x1' - 0"	(6)#5 EW, T&B
F6.5	6' - 6"x6' - 6"x1' - 4"	(8)#5 EW, T&B



COLUMN LABEL LEGEND

FOUNDATION PLAN NOTES:
1. FINISH FLOOR (TOP OF SLAB) ELEVATION 100'-0", UNLESS NOTED OTHERWISE
2. TOP OF FOOTING ELEVATION, SEE PLAN.
3. SLAB ON GRADE CONSTRUCTION: **4-INCH** THICK CONCRETE SLAB ON COMPACTED STONE FILL(SEE GEOTECH REPORT.) PROVIDE 6x6-W1.4xW1.4 WWF. SECURELY POSITION 1" FROM TOP OF SLAB AND SUPPORT w/ SLAB BOLSTERS OR CONCRETE BLOCK.
4. APPROXIMATE LOCATIONS OF FOOTING STEPS ARE SHOWN ON PLAN. CONTRACTOR TO COORDINATE STEP LOCATIONS WITH THE LATEST CIVIL, PLUMBING, AND UTILITY DRAWINGS. SEE TYPICAL DETAILS FOR FOOTING STEP REQUIREMENTS.
5. PROVIDE CONTROL JOINTS AT 15'-0" MAXIMUM SPACING. SEE TYPICAL DETAILS.

CERTIFICATE OF AUTHORIZATION
LIVE OAK ENGINEERING, INC. No. 1672
ARKANSAS ENGINEER

LIVE OAK ENGINEERING
2509 7th AVENUE SOUTH
BIRMINGHAM, AL 35233
205.637.3115

AR COA#: 1672
LOE PROJECT #: 290-4

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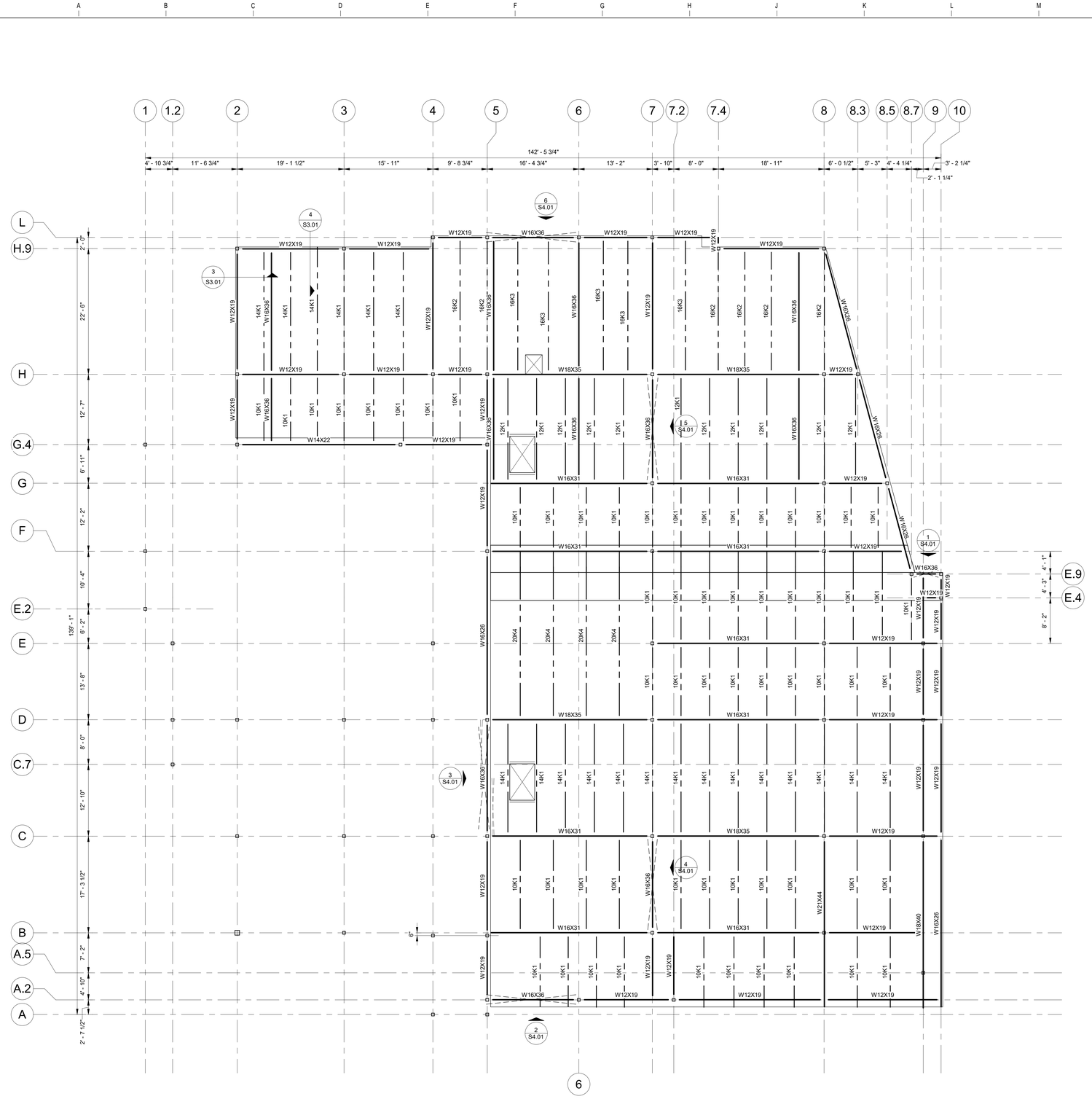
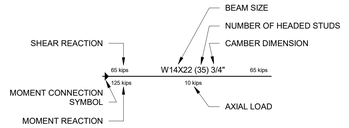


1 S1.11 LOW ROOF FRAMING PLAN

1/8" = 1'-0"



NOTES:
1. REACTIONS SHOWN ON PLAN ARE MAXIMUM REACTIONS FACTORED AS NOTED IN THE GENERAL NOTES.
2. SEE GENERAL NOTES FOR CONNECTION DESIGN REQUIREMENTS.
3. SPACE HEADED STUDS ALONG BEAM EQUALLY AS NOTED IN THE GENERAL NOTES AND TYPICAL DETAILS

ROOF FRAMING PLAN NOTES:
1. TOP OF STEEL (JOIST BEARING) ELEVATION VARIES, SEE PLAN.
2. BEAM SPANNING PARALLEL TO JOISTS ARE 2 ½" HIGHER THAN THE NOTED ELEVATION.
3. ROOF CONSTRUCTION: 1 ½" DEEP, 50 KSI, 20 GAUGE, WIDE RIB (TYPE "B") GALVANIZED STEEL ROOF DECK ON STEEL BEAMS AND JOISTS.
4. FOR STEEL ROOF DECK ATTACHMENT, SEE TYPICAL DETAILS.
5. EVENLY SPACE JOISTS BETWEEN COLUMNS LINES OR WALLS, OR AS NOTED ON PLAN. MAXIMUM SPACING OF JOISTS TO BE 6'-0".
6. COORDINATE LOCATIONS OF MECHANICAL EQUIPMENT AND REQUIRED DECK OPENINGS WITH THE MECHANICAL DRAWINGS PRIOR TO CONSTRUCTION. SEE TYPICAL DETAILS FOR ADDITIONAL FRAMING AROUND OPENINGS.
7. DO NOT HANG MECHANICAL, ELECTRICAL, OR PLUMBING EQUIPMENT FROM THE ROOF DECK. HANG FROM THE BOTTOM CHORD OF THE JOISTS AND REINFORCE JOISTS AS REQUIRED PER TYPICAL DETAIL.

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LOW ROOF FRAMING PLAN

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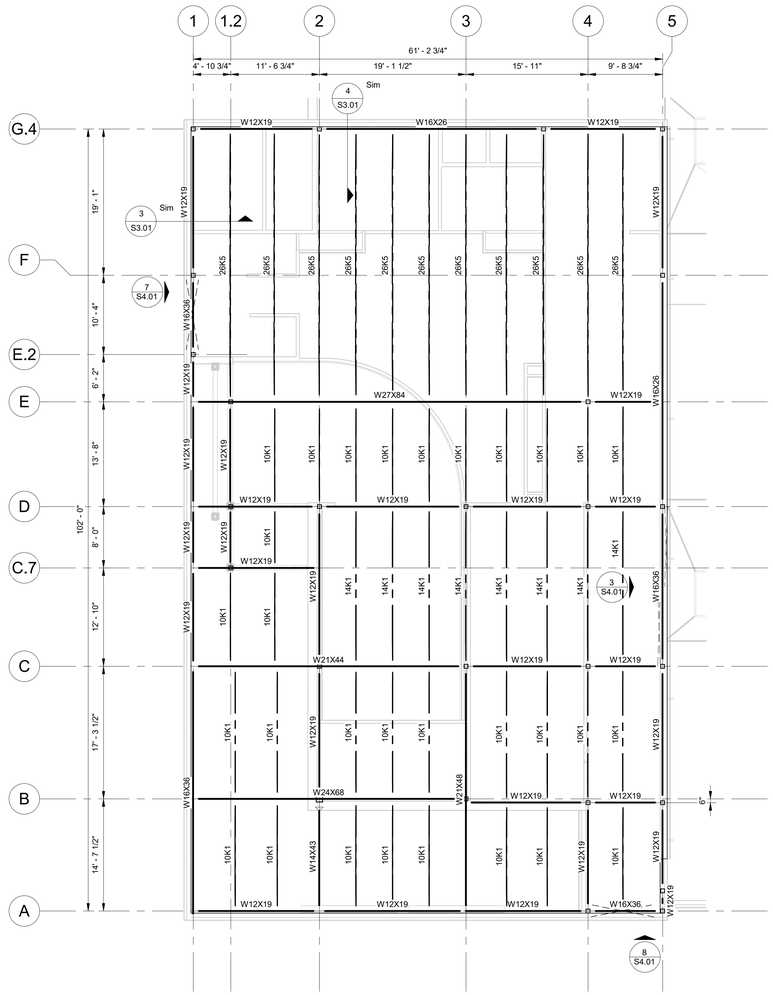
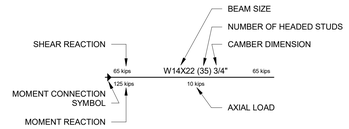


1 S1.12 HIGH ROOF PLAN

1/8" = 1'-0"



NOTES:
1. REACTIONS SHOWN ON PLAN ARE MAXIMUM REACTIONS FACTORED AS NOTED IN THE GENERAL NOTES.
2. SEE GENERAL NOTES FOR CONNECTION DESIGN REQUIREMENTS.
3. SPACE HEADED STUDS ALONG BEAM EQUALLY AS NOTED IN THE GENERAL NOTES AND TYPICAL DETAILS

ROOF FRAMING PLAN NOTES:
1. TOP OF STEEL (JOIST BEARING) ELEVATION VARIES, SEE PLAN.
2. BEAM SPANNING PARALLEL TO JOISTS ARE 2 ½" HIGHER THAN THE NOTED ELEVATION.
3. ROOF CONSTRUCTION: 1 ½" DEEP, 50 KSI, 20 GAUGE, WIDE RIB (TYPE "B") GALVANIZED STEEL ROOF DECK ON STEEL BEAMS AND JOISTS.
4. FOR STEEL ROOF DECK ATTACHMENT, SEE TYPICAL DETAILS.
5. EVENLY SPACE JOISTS BETWEEN COLUMNS LINES OR WALLS, OR AS NOTED ON PLAN. MAXIMUM SPACING OF JOISTS TO BE 6'-0".
6. COORDINATE LOCATIONS OF MECHANICAL EQUIPMENT AND REQUIRED DECK OPENINGS WITH THE MECHANICAL DRAWINGS PRIOR TO CONSTRUCTION. SEE TYPICAL DETAILS FOR ADDITIONAL FRAMING AROUND OPENINGS.
7. DO NOT HANG MECHANICAL, ELECTRICAL, OR PLUMBING EQUIPMENT FROM THE ROOF DECK. HANG FROM THE BOTTOM CHORD OF THE JOISTS AND REINFORCE JOISTS AS REQUIRED PER TYPICAL DETAIL.

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HIGH ROOF FRAMING PLAN

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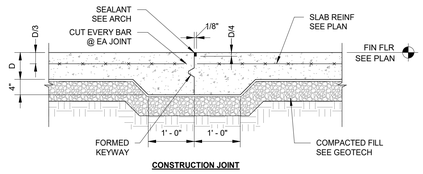
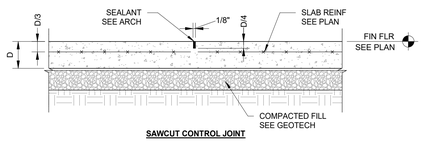


CONSTRUCTION JOINT



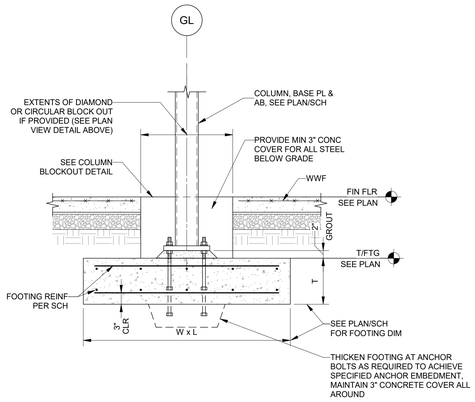
SAWCUT CONTROL JOINT

NOTES

1. SEE FOUNDATION PLAN(S) FOR SLAB THICKNESS AND REINF
2. DISCONTINUOUS REINFORCEMENT AT JOINTS.
3. CUT EVERY BAR @ EA JOINT.
4. THE SAWCUTTING SHALL BE DONE WITHIN 8 HOURS OF PLACEMENT OR AS SOON AS THE CONCRETE HAS SUFFICIENTLY CURED TO PERMIT CUTTING WITHOUT CHIPPING, SPALLING OR TEARING.
5. THE GENERAL LAYOUT OF SAW-CUT JOINTS IS SHOWN ON PLAN. CONTRACTOR TO VERIFY THE SPACING OF SAW-CUT JOINTS DOES NOT EXCEED 15'-0". CONTACT THE ENGINEER OF RECORD WITH ANY ISSUES IN THE SAW-CUT JOINT LAYOUT.

1 S2.01 TYP SLAB JOINTS PEDESTRIAN TRAFFICKED

N.T.S.

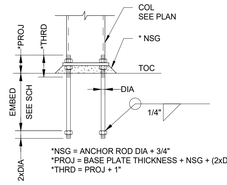


2 S2.01 COLUMN FOOTING DETAIL

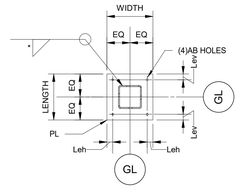
N.T.S.

NOTE

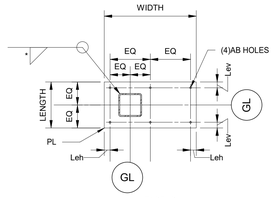
1. ANCHOR RODS SHALL BE PROVIDED WITH HEX NUTS AND CUT WASHERS OF SPECIFICATIONS COMPATIBLE WITH THOSE OF THE THREADED SHANKS UNLESS NOTED OTHERWISE.
2. NUTS SHALL BE PROVIDED UNDER THE BASE PLATE FOR LEVELING AND PLUMBING OF COLUMN.



*NSG = ANCHOR ROD DIA + 3/4"
*PROJ = BASE PLATE THICKNESS + NSG + (2xDIA) + 1/2"
*THRD = PROJ + 1"



TYPE "A"



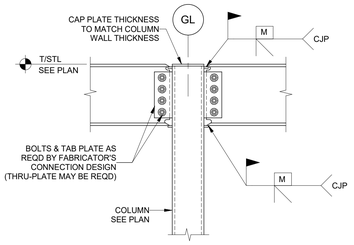
TYPE "D"

COLUMN BASE PLATE SCHEDULE								
MARK	BASE PLATE DIMENSIONS				EDGE DISTANCES		ANCHOR ROD	
	TYPE	LENGTH	WIDTH	THK	Leh	Lev	DIA	EMBED
B1	A	12"	12"	1/2"	1 1/2"	1 1/2"	5/8"	10"
B2	D	12"	18"	3/4"	1 1/2"	1 1/2"	3/4"	14"
B3	A	13"	13"	1/2"	1 1/2"	1 1/2"	3/4"	14"

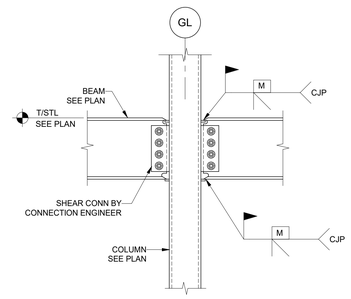
OFFSET VALUES FOR TYPE "D"?

3 S2.01 TYP COLUMN BASEPLATE DETAILS AND SCHEDULE

N.T.S.



TUBE COLUMN



TUBE COLUMN

5 S2.01 BEAM TO COLUMN MOMENT CONNECTION DETAIL

N.T.S.

4 S2.01 TYP SHEAR CONNECTION TO COLUMN DETAIL

N.T.S.

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S201

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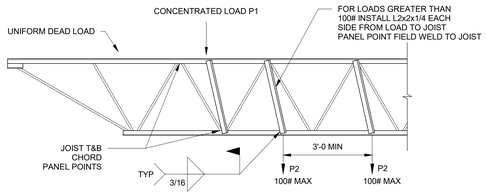

NOTES FOR CONCENTRATED HANGING LOADS:
1. ALL HANGER LOADS SHOULD BE APPLIED ALONG THE CENTERLINE OF THE JOIST CHORD (i.e. NO ECCENTRICITY).
2. HANGER LOADS APPLIED AT ANY NON-PANEL POINT ALONG THE JOIST CHORD SHALL NOT EXCEED 100 POUNDS AND SHALL BE SPACED A MINIMUM OF 36" APART. LOADS GREATER THAN 100 POUNDS MUST BE APPLIED AT PANEL POINT, OR ADDITIONAL BRACING MUST BE ATTACHED FROM LOAD TO TOP CHORD PANEL POINT AS SHOWN.
3. THE SUM TOTAL OF ALL HANGING LOADS APPLIED TO ANY ONE JOIST SHALL NOT EXCEED 1000 POUNDS AND NO SINGLE LOAD SHALL EXCEED 2/3 OF THIS AMOUNT.
4. PIPING, DUCTWORK, LIGHTS, CONDUIT RUNS, ETC. MAY BE HUNG FROM TWO OR MORE JOISTS TO MEET THESE REQUIREMENTS.
5. CALCULATION OF ACTUAL HANGER LOADS MUST INCLUDE THE WEIGHT OF ALL MECHANICAL, ELECTRICAL OR ANY OTHER TRADE'S EQUIPMENT, PIPING, DUCTWORK, INSULATION, CONDUIT, LIGHTS, ETC. INCLUDING WEIGHT OF HANGING SYSTEM USED. CONSIDER ALL PIPING TO BE FILLED WITH WATER AND ALL CONDUIT RUNS TO WEIGH TWICE THEIR UNFILLED WEIGHT.

1 S2.02 TYP JOIST REINFORCING POINT LOADING DETAIL

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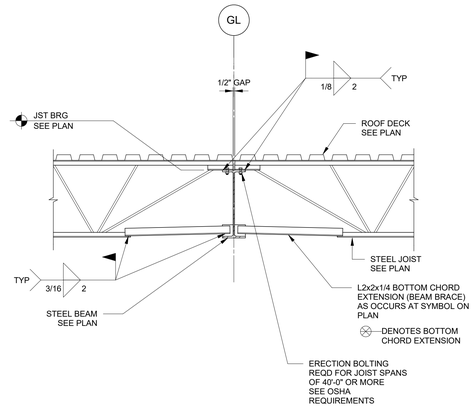

2 S2.02 TYP JOIST BRG @ STEEL DETAIL

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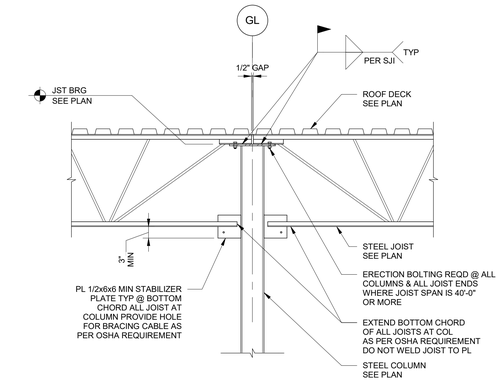

3 S2.02 TYP JOIST BRG @ BEAM & COLUMN DETAIL

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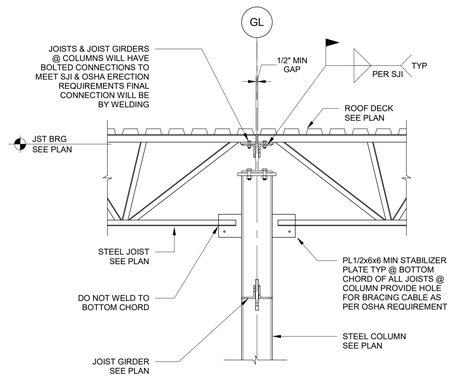

4 S2.02 TYP JOIST TO HSS COLUMN CONNECTION DETAIL

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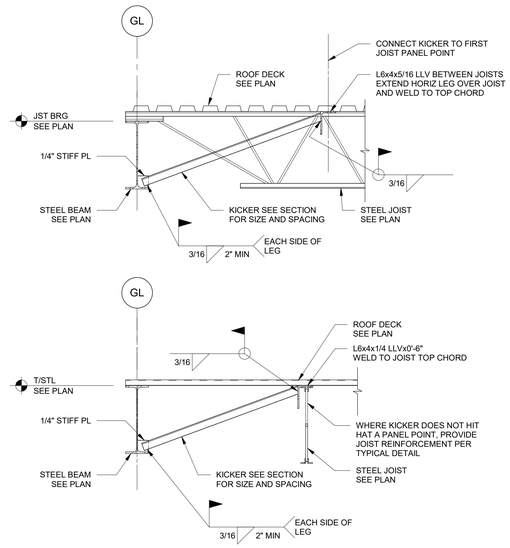

5 S2.02 TYP KICKER TO JOIST CONNECTION DETAIL

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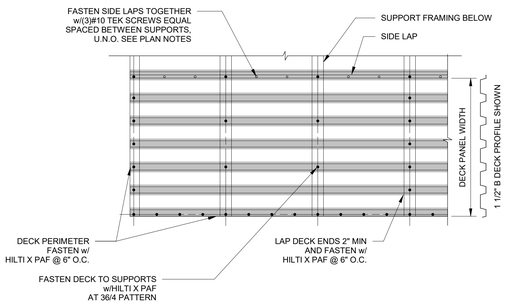
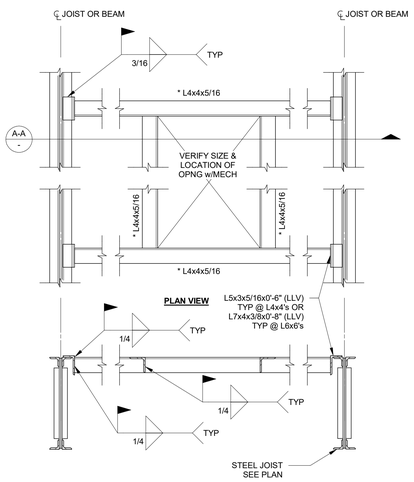


NOTES:
1. ALL WELDS ARE 5/8"∅ PUDDLE WELDS U.N.O., WELDING WASHERS SHALL BE USED WHEN WELDING STEEL DECK IF MATERIAL THICKNESS IS LESS THAN 22 GA.
2. DECK LENGTH TO BE A MINIMUM OF 3 SPANS BETWEEN SUPPORTS.

6 S2.02 1 1/2" ROOF DECK WELDING ATTACHMENT DETAIL

N.T.S.



NOTES:
1. * USE L6x6x3/8 @ 8'-0" TO 10'-0" O.C. JOIST OR BEAM SPACING LOCATIONS.
2. * USE L6X6X3/8 @ OPENING SPANS GREATER THAN 8'-0" LOCATIONS.
3. FOR OPENINGS 8'-0" OR GREATER, CONSULT WITH STRUCTURAL ENGINEER.
4. ROOF DECK TO BE ATTACHED PER PLAN NOTES TO ALL OPENING COMPONENT MEMBERS SHOWN HERE (ROOF DECK NOT SHOWN IN THESE VIEWS).
5. COMPOSITE DECK TO BE ATTACHED PER PLAN NOTES TO ALL OPENING COMPONENT MEMBERS SHOWN HERE (COMPOSITE DECK NOT SHOWN IN THESE VIEWS).
6. PROVIDE DECK CLOSURE PERIMETER OF OPENINGS IN COMPOSITE SLAB.

7 S2.02 TYP DECK OPENING DETAIL

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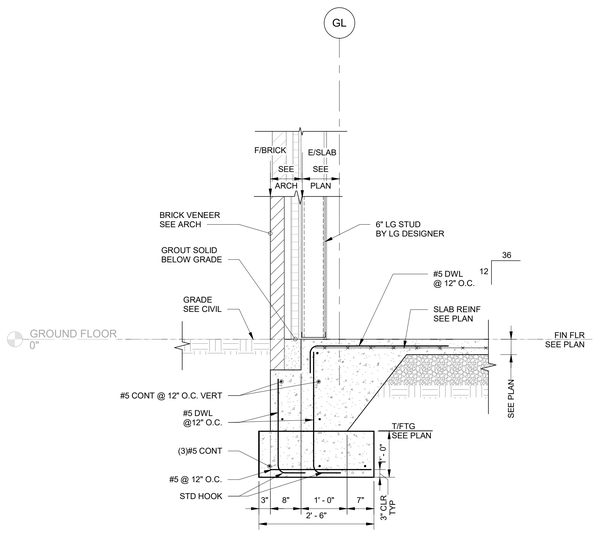
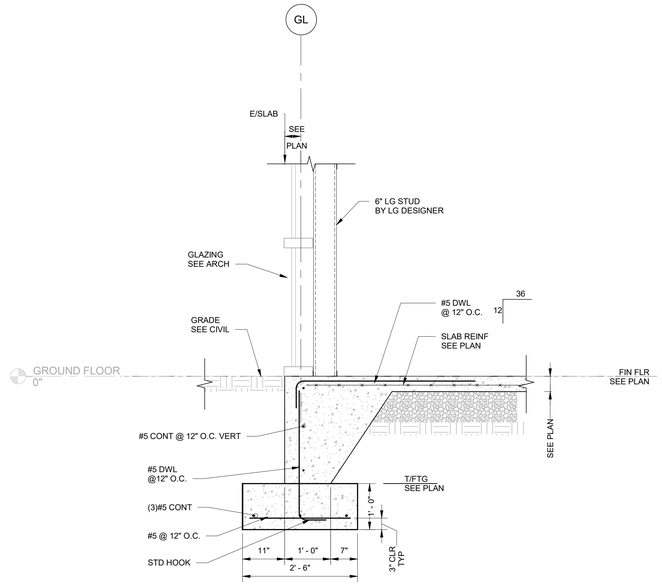
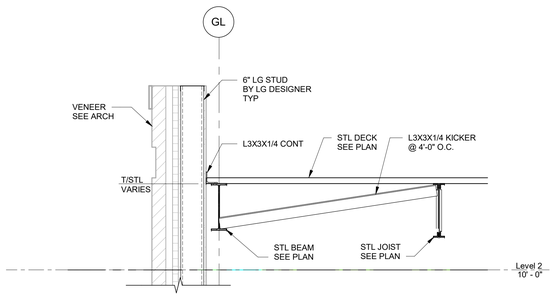


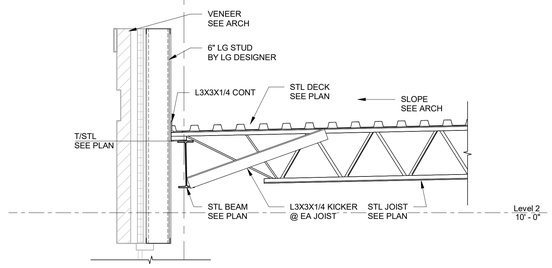
1 S3.01 FOUNDATION SECTION
3/4" = 1'-0"



2 S3.01 FOUNDATION SECTION
3/4" = 1'-0"



3 S3.01 FRAMING SECTION
3/4" = 1'-0"



4 S3.01 FRAMING SECTION
3/4" = 1'-0"

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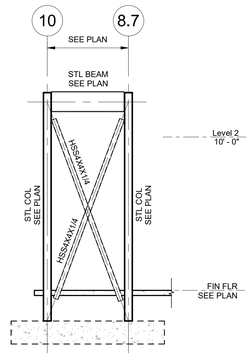
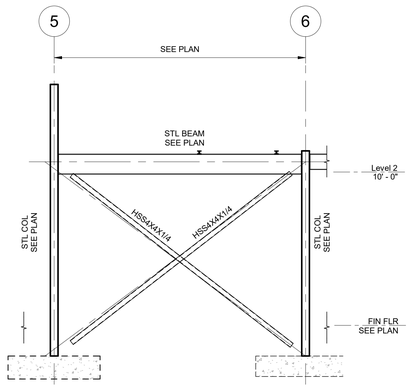
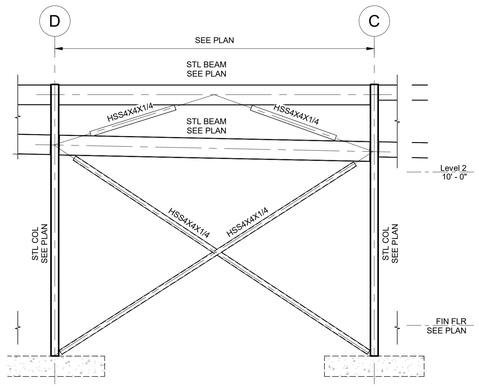


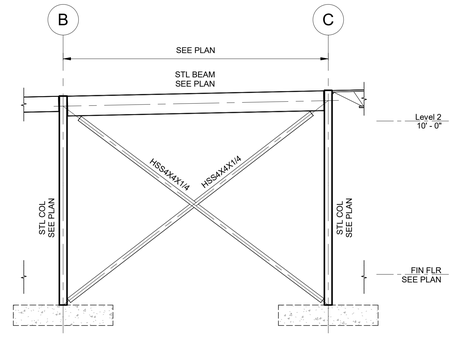
1 S4.01 ELEVATION
1/4" = 1'-0"



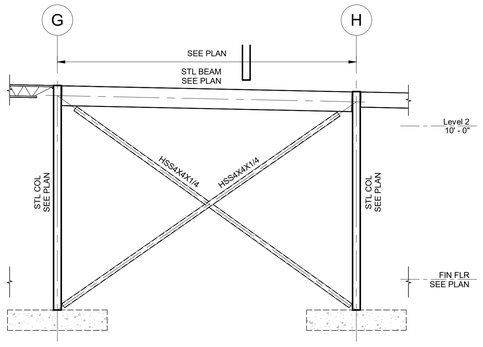
2 S4.01 ELEVATION
1/4" = 1'-0"



3 S4.01 ELEVATION
1/4" = 1'-0"



4 S4.01 ELEVATION
1/4" = 1'-0"



5 S4.01 ELEVATION
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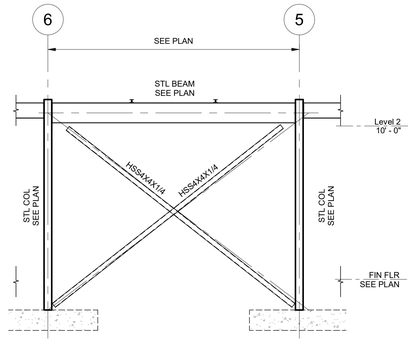
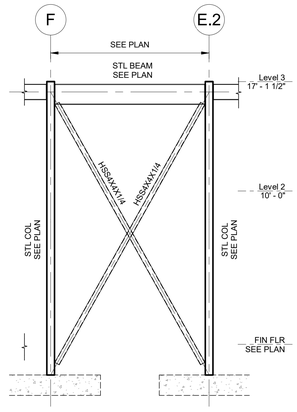
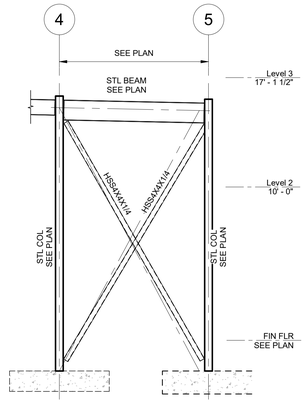


6 S4.01 ELEVATION
1/4" = 1'-0"



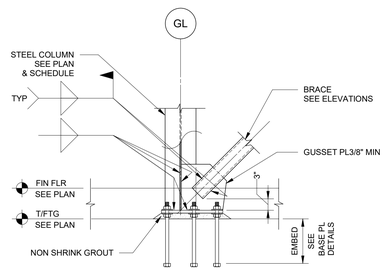
7 S4.01 ELEVATION
1/4" = 1'-0"



8 S4.01 ELEVATION
1/4" = 1'-0"

BRACING NOTES:
1. MEMBER DESIGN FORCES SHOWN ( ) ARE SERVICE LEVEL (UNFACTORED) PER INTERNATIONAL BUILDING CODE ALLOWABLE STRESS DESIGN LOAD COMBINATIONS
   + DENOTES TENSION
   - DENOTES COMPRESSION
2. ALL FIELD CONNECTIONS SHALL BE WELDED. FIELD BOLTING w/ 3/4" DIA A-325 BOLTS SHALL BE ALLOWED FOR ERECTION PURPOSES ONLY.
3. ALL SHOP CONNECTIONS SHALL BE WELDED.
4. BRACING CONNECTIONS SHALL BE DESIGNED FOR THE FULL DESIGN AXIAL FORCE AS SHOWN.
5. LAY OUT MEMBERS SO THAT NEUTRAL AXIS OR GAGE LINES OF MEMBERS INTERSECT AT PANEL POINTS AND WORKING POINTS.
6. AT EXPOSED BRACING LOCATIONS AND AS INDICATED IN THE BRACED BAY DETAILS, ALL STEEL AND CONNECTIONS SHALL BE ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS).

A S4.01 STANDARD VERTICAL BRACING NOTES
N.T.S.



B S4.01 VERTICAL BRACE BASE PL DETAIL
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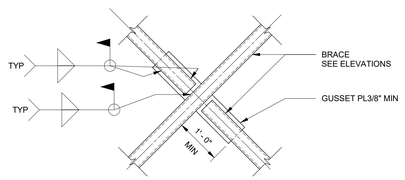

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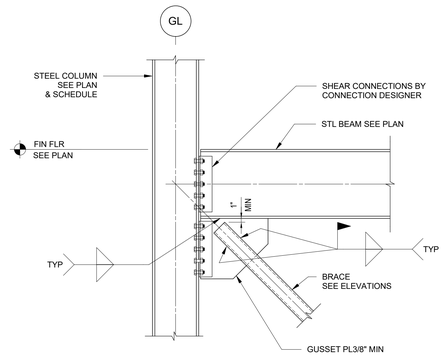

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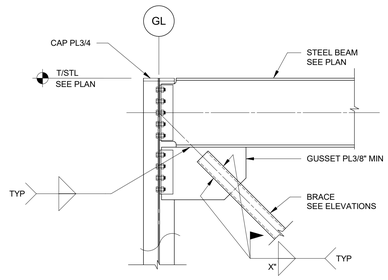

E S4.01 VERTICAL BRACE DETAIL
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MECHANICAL GENERAL NOTES

1. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE A HARD SUSPENDED CEILING.
2. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. DUCT SIZED ARE NET INSIDE DIMENSIONS.
3. ACCESS PANELS IN HARD SUSPENDED CEILINGS ARE REQUIRED FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. COORDINATE LOCATION OF PANELS WITH MECHANICAL INSTALLATION AND DEMONSTRATE ACCESS TO EQUIPMENT SERVED.
4. TOTAL STATIC PRESSURE NOTES IN THE SCHEDULES INCLUDED DUCT SYSTEM, TERMINAL UNITS, FILTERS, COILS, ETC. LOSS FOR FILTERS SHALL BE FOR FILTERS AT 50% LOADING.
5. ALL DUCT AND PIPE ROUTING AND CONSTRUCTION SHOWN ON THE DRAWINGS IS DIAGRAMMATIC IN NATURE AND MAY NOT BE SHOWN IN EXACT LOCATIONS OR WITH ALL ANCILLARY ITEMS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM. CONTRACTOR SHALL COORDINATE ROUTING OF ALL DUCTWORK AND PIPING PER TYPICAL CONSTRUCTION PRACTICE IN THE MOST EFFICIENT WAY POSSIBLE WHILE ADHERING AS CLOSELY TO THE DRAWINGS AS POSSIBLE.
6. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL INSTALLATION WITH THE WORK OF OTHER TRADES. FIELD MODIFICATIONS SUCH AS OFFSETS IN PIPING OR DUCTWORK NEEDED DUE TO OBSTRUCTIONS OR INTERFERENCES SHALL BE PROVIDED AT NO ADDITIONAL COST.
7. ALL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER WITHIN STANDARD OF CARE FOR PROFESSION. ALL LABOR, MATERIAL, TOOLS, PERMITS, INSPECTIONS, TESTING, CERTIFICATION, ETC. REQUIRED FOR A COMPLETE AND SATISFACTORY INSTALLATION TO DESIGN INTENT SHALL BE FURNISHED BY CONTRACTOR. PROVIDE, AT NO ADDITIONAL COST, INCLUDING INCIDENTAL ITEMS NOT SHOWN WHEN REQUIRED FOR TYPICAL COMPLETION OF WORK.
8. DRAWINGS NOT BEARING THE STAMP OR SEAL AND SIGNATURE OF A REGISTERED PROFESSIONAL ENGINEER SHALL NOT BE USED FOR BIDDING OR CONSTRUCTION PURPOSES UNLESS EXPRESSLY APPROVED IN WRITING BY THE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL DRAWINGS AND SPECIFICATIONS BEING USED FOR BIDDING AND CONSTRUCTION PURPOSES ARE OF THE LATEST REVISION AVAILABLE AND ALL ADDENDUM DOCUMENTS HAVE BEEN INCORPORATED EITHER BY REVISION RELEASE OF DRAWINGS/SPECIFICATIONS OR ATTACHMENT OF SKETCHES OR OTHER ADDENDUM INFORMATION.
9. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL NEW PRODUCTS OF ESTABLISHED AND REPUTABLE MANUFACTURERS. NO EQUIPMENT SUBSTITUTIONS SHALL BE MADE THAT WOULD LEAVE INADEQUATE OPERATING OR SERVICE SPACE. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES AND IN AN ARRANGEMENT THAT WILL GIVE THE GREATEST PRACTICAL EASE OF OPERATION AND SERVICE TO THE OWNER.
10. ALL EQUIPMENT WHICH IS INDICATED TO BE FURNISHED AND/OR INSTALLED BY OTHERS OR BY OWNER IS INCLUDED FOR REFERENCE ONLY UNLESS NOTED OTHERWISE. DESIGN OF MECHANICAL SYSTEMS IN THESE AREAS IS BASED ON INFORMATION AVAILABLE AT THE TIME OF DESIGN. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND VERIFYING INSTALLATION REQUIREMENTS OF THIS EQUIPMENT WITH THE APPLICABLE SUPPLIER OR THE OWNER. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
11. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO PAY FOR ALL NECESSARY PERMITS AND APPROVALS FOR THIS INSTALLATION.
12. ACCESS PANELS IN DUCTWORK AND CEILINGS SHALL BE PROVIDED WHERE REQUIRED FOR OPERATION, BALANCING OR MAINTENANCE OF ALL MECHANICAL EQUIPMENT. ACCESS PANELS SHALL BE CONVENIENTLY LOCATED WITH REFERENCE TO THE FINISHED BUILDING. COORDINATE LOCATION OF ACCESS PANELS WITH ARCHITECT.
13. DUCT CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARD CLASS A.
14. COORDINATE DIFFUSER, GRILLE AND REGISTER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND EQUIPMENT OF ALL TRADES.
15. VERIFY FINISH WITH ARCHITECT PRIOR TO PURCHASING GRILLES, REGISTERS, DIFFUSERS, LOUVERS AND OTHER AIR DISTRIBUTION DEVICES.
16. LOCATE THERMOSTATS AT 48" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH OTHER EQUIPMENT, FURNITURE, AND DOOR SWINGS.
17. ALL EQUIPMENT, DUCTWORK, ETC., SHALL BE SUPPORTED AS DETAILED AND/OR SPECIFIED. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED TO PROVIDE A VIBRATION-FREE, RIGID INSTALLATION.
18. DUCTWORK DIMENSIONS SHOWN ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS. DIMENSIONS MAY BE CHANGED SO LONG AS THE NET FREE FACE AREA IS MAINTAINED.
19. DAMPERS AND INSIDES OF DUCTS VISIBLE THROUGH GRILLES, REGISTERS AND DIFFUSERS SHALL BE PAINTED FLAT BLACK.
20. PROVIDE AND INSTALL SMOOTH TURN RADIUS ELBOWS IN ALL RECTANGULAR 90° ELBOWS AND TEES, UNLESS NOTED OTHERWISE.
21. EXHAUST DUCTS SHALL TERMINATE IN ACCORDANCE WITH ASHRAE 170-2013 AND BE EQUIPPED WITH A BACKDRAFT DAMPER.
22. CONTRACTOR SHALL PROVIDE ALL AUTOMATIC TEMPERATURE CONTROLS INCLUDING WIRING, THERMOSTATS AND ALL MISCELLANEOUS APPURTENANCES TO MEET THE INTENT OF THESE DOCUMENTS.
23. PENETRATIONS OF WALLS OR FLOORS FOR THE PASSAGE OF PIPING, DUCTWORK, OR OTHER EQUIPMENT SHALL BE PROPERLY SEALED AFTER INSTALLATION OF ITEMS AND EQUIPMENT.
24. PIPING, DUCTWORK, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO ELECTRICAL SWITCHBOARDS, PANELBOARDS, DISTRIBUTION BOARDS, OR MOTOR CONTROL CENTERS SHALL NOT BE INSTALLED WITHIN THE REQUIRED SPACE FOR WORKING CLEARANCES OR DEDICATED SPACES OF THE ELECTRICAL EQUIPMENT, EXTENDING IN FRONT OF AND FROM FLOOR TO STRUCTURAL CEILING WITH A WIDTH AND DEPTH OF THE ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC-110.26.

LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EQUIPMENT		THERMOSTAT WIRE
	SUPPLY AIR DUCTWORK	T	THERMOSTAT
	OUTSIDE AIR DUCTWORK	T	THERMOSTAT WITH LOCK COVER
	RETURN AIR DUCTWORK	H	HUMIDISTAT
	EXHAUST AIR DUCTWORK	H	HUMIDISTAT WITH LOCK COVER
	REFRIGERANT (REFG) PIPING (SUCTION & LIQUID)		POINT OF CONNECTION TO EXISTING
	HEAT PUMP SUPPLY (HPS) PIPING		REVISION DELTA
	HEAT PUMP RETURN (HPR) PIPING	MBD	MANUAL BALANCING DAMPER
	SUPPLY SIDE WALL GRILLE		STREAMLINE CONNECTION (RECT. TO ROUND)
	RETURN SIDE WALL GRILLE		STREAMLINE CONNECTION (RECT. TO RECT.)
	EXHAUST SIDE WALL GRILLE		STREAMLINE CONNECTION WITH MANUAL VOLUME DAMPER (RECT. TO ROUND)
	SUPPLY DIFFUSER	X ####	GRILLE DESIGNATION (GRILLE SCHEDULE DESIGNATION / CFM AIRFLOW)
	RETURN GRILLE		SINGLE LINE CONTINUATION
	EXHAUST GRILLE		AIR FLOW ARROW
	SUPPLY DIFFUSER WITH OPPOSED BLADE DAMPER		FLOW ARROW
	RETURN GRILLE WITH OPPOSED BLADE DAMPER	SA	SUPPLY AIR DUCT
	EXHAUST GRILLE WITH OPPOSED BLADE DAMPER	RA	RETURN AIR DUCT
FSD	FIRE/SMOKE DAMPER COMBO	EA	EXHAUST AIR DUCT
SD	SMOKE DAMPER	CFM	CUBIC FEET PER MINUTE
FD	FIRE DAMPER	Ø	ROUND DIAMETER
MD	MOTORIZED DAMPER		
DD	DUCT SMOKE DETECTOR		
	CONCENTRIC REDUCER		
	ECCENTRIC REDUCER		
	RECT. AND/OR ROUND DUCT 90° 1X RADIUS ELBOW		
	RECT. AND/OR ROUND DUCT 90° 1.5X RADIUS ELBOW		
	RECT. AND/OR ROUND DUCT 45° 1X RADIUS ELBOW		
	RECT. ELBOW (WITH TURNING VANES)		
	RECT. ELBOW (WITHOUT TURNING VANES)		

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LITTLE ROCK EYE CLINIC - WEST

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DATE

GENERAL NOTES AND LEGEND - HVAC

TITLE

M001

SHEET NO.

Project Name
Autodesk Docs://Little Rock Eye Clinic - West/26-019 LR Eye Clinic MEP Model.rvt
5/4/2026 2:12:00 PM

KEYED NOTES

1. ROUTE SUPPLY AND RETURN DUCTWORK UP THROUGH ROOF TO RTU-1.
2. ROUTE SUPPLY AND RETURN DUCTWORK UP THROUGH ROOF TO RTU-2.
3. INSTALL BIRD SCREEN ON BOTTOM OF RETURN DUCTWORK. ROUTE SUPPLY AND RETURN DUCTWORK UP THROUGH ROOF TO RTU-3.

1 GROUND FLOOR PLAN - HVAC
1/8" = 1'-0"

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FLOOR PLAN - HVAC
TITLE

M101
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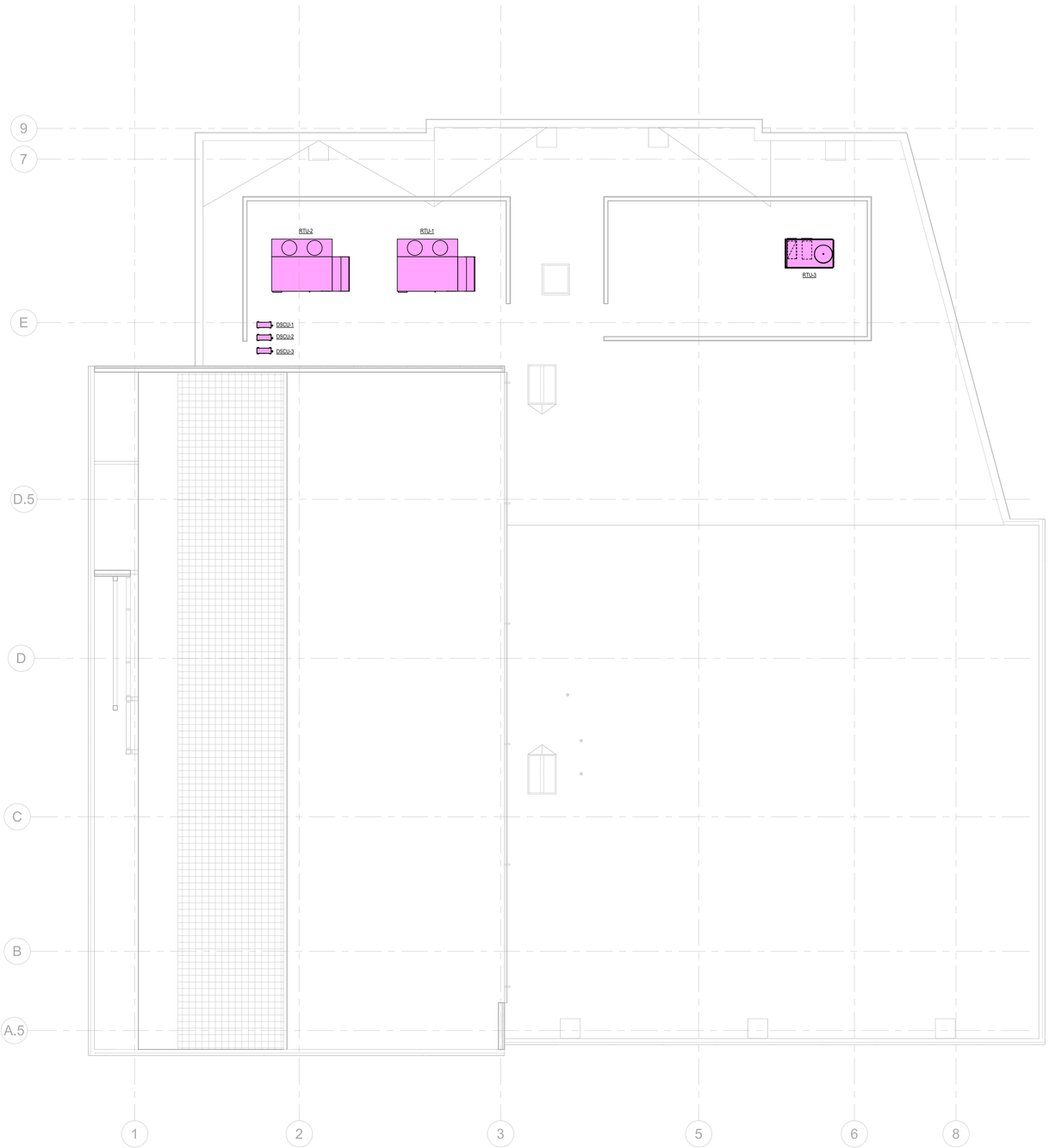

1 ROOF - MECH
1/8" = 1'-0"

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ROOF PLAN - HVAC
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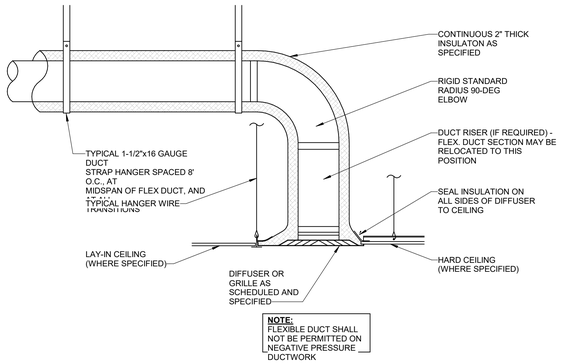
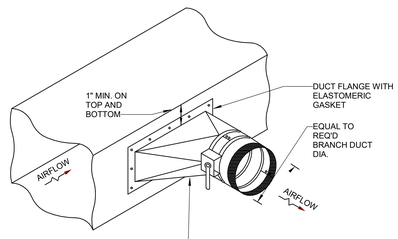
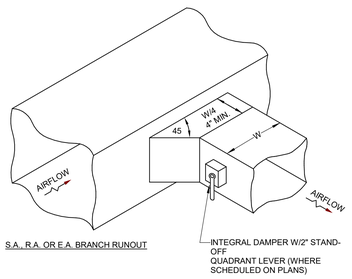
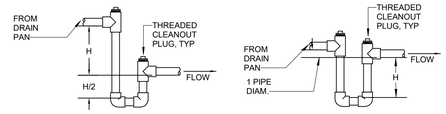


1 AIR DEVICE INSULATION (W/O FLEX DUCT) DETAIL
NOT TO SCALE:



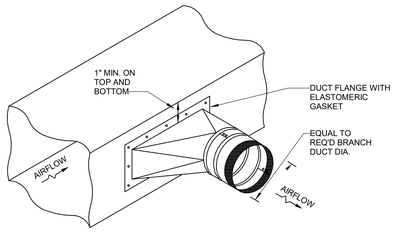
2 BRANCH DUCT TAKE-OFF (W/ DAMPER) DETAIL
NOT TO SCALE:

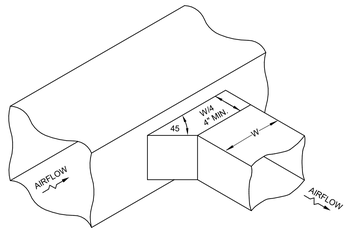




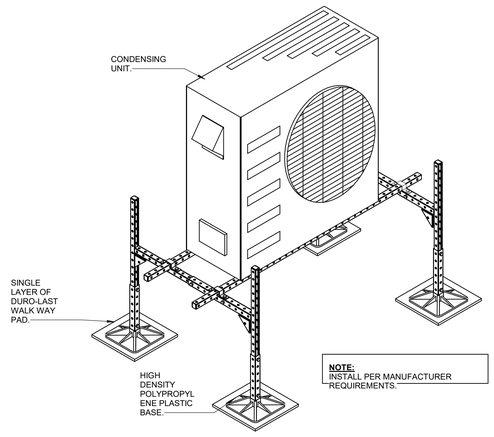
3 COIL CONDENSATE TRAP DETAIL
NOT TO SCALE:

NOTES:
1. FOR DRAW-THRU COILS: H = FAN INLET PRESSURE (IN. W.C.) + 1" , BUT NO LESS THAN 2"
2. FOR BLOW-THRU COILS: H = FAN OUTLET PRESSURE (IN. W.C.) + 1", BUT NO LESS THAN 2".
3. FAN INLET/OUTLET PRESSURE (WHICHEVER IS APPLICABLE) SHALL BE MEASURED DURING AIR TEST AND BALANCE. TRAP DEPTH SHALL BE ADJUSTED AS REQUIRED TO MEET OR EXCEED MINIMUM DEPTH
4. PRE-FORMED RUNNING TRAPS ARE NOT ACCEPTABLE.
5. TRAP PIPE DIAMETER SHALL BE FULL SIZE OF FACTORY COIL CONNECTION, BUT NO LESS THAN 3/4"
6. CLEANOUT PLUGS MAY BE HAND-TIGHTENED FOR EASE OF REMOVAL.
7. TRAPS SHALL BE INSULATED AS SPECIFIED FOR CONDENSATE DRAIN PIPING.
8. TRAPS SHALL BE LOCATED WITHIN 4' OF THE COIL.
9. CONDENSATE DRAIN SHALL TERMINATE WITH AN INDIRECT CONNECTION HAVEING A MINIMUM 2" AIR GAP

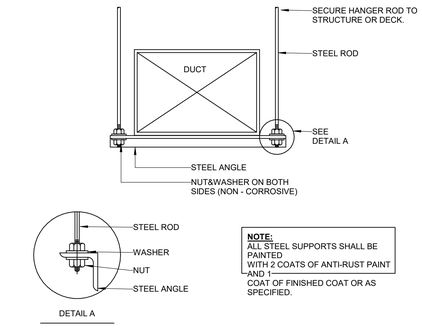




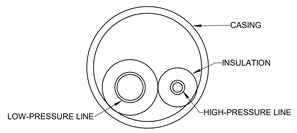
4 BRANCH DUCT TAKE-OFF (W/O DAMPER) DETAIL
NOT TO SCALE:



5 CONDENSING UNIT ROOF STAND DETAIL
NOT TO SCALE:

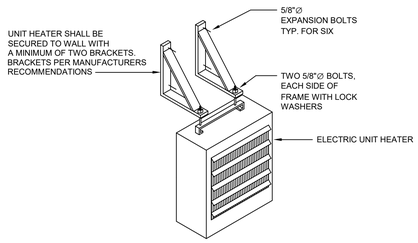


6 DUCT HANGER DETAIL
NOT TO SCALE:

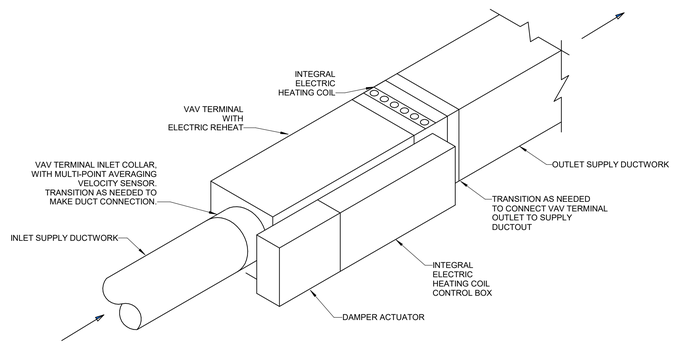


NOTES:
1. REFRIGERANT LINES MUST BE INSULATED SEPARATELY.
2. INSULATION SHALL BE A MINIMUM OF 1/2" THICK.
3. INSTALL CASING AS ONE CONTINUOUS PIECE.
4. CASING SHALL BE WATERTIGHT. IF ANY MOISTURE ENTERS THE CASING, SYSTEM PERFORMANCE WILL BE REDUCED, AND EQUIPMENT FAILURE MAY OCCUR.

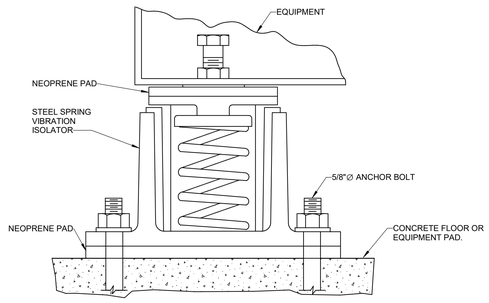
7 REFRIGERANT PIPING DETAIL
NOT TO SCALE:



8 UNIT HEATER ELECTRIC DETAIL
NOT TO SCALE:



9 VARIABLE VOLUME BOX (WITH ELECTRIC HEAT) DETAIL
NOT TO SCALE:



10 VIBRATION ISOLATOR DETAIL
NOT TO SCALE:

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PACKAGED ROOFTOP HEAT PUMPS

DESIGNATION	REFERENCE PRODUCT		SUPPLY FAN						COOLING						REVERSE CYCLE HEATING				ELECTRIC HEATING					ELECTRICAL			REFRIG.	WEIGHT (LBS)	REMARKS
	MANUFACTURER	MODEL	AIR FLOW RATE (CFM)	OUTSIDE AIR FLOW (CFM)	ESP (IN. WC)	RPM	DRIVE	MOTOR SIZE BHP	MOTOR SIZE MHP	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EDB / EWB (°F)	LDB / LWB (°F)	AMB. TEMP. (°F)	MIN. EER	HEATING CAPACITY (MBH)	EDB / LDB (°F)	AMB. TEMP. (°F)	MIN. COP	NO. OF HEATERS	INPUT ENERGY (KW)	OUTPUT ENERGY (MBH)	EDB / LDB (°F)	FULL LOAD AMPS	VOLT / PH.	MCA	MOCP			
RTU-1	TRANE	Horizon (OAD/N Rev6 - OADG/OANG)	3,550	800	1.00	1,785	DIRECT	1.35	1.50	123.40	93.10	77.75 / 65.33	53.4 / 53.4	95.0	12.6	88.80	58.5 / 80.8	20.0	3.6	-	-	-	-	-	208/3	58.6	80	R-454B	2,709	
RTU-2	TRANE	Horizon (OAD/N Rev6 - OADG/OANG)	5,275	1,100	1.00	1,772	DIRECT	2.51	3.00	182.20	136.90	77.25 / 65.05	53.2 / 53.2	95.0	10.9	140.70	59.5 / 82.9	20.0	3.5	-	-	-	-	-	208/3	80.3	100	R-454B	2,750	
RTU-3	TRANE	WHK048A3S0E	1,850	-	1.00	1,023	DIRECT	0.70	3.00	50.55	42.03	80 / 67	57.91 / 57.82	95.0	12.8	40.98	70 / 91.62	47.0	3.8	1	12	41.00	70 / 90.24	25	208/3	59	60	R-454B	943	

SINGLE DUCT SUPPLY AIR TERMINALS WITH ELECTRIC REHEAT COILS

DESIGNATION	REFERENCE PRODUCT		INLET SIZE (IN.)	MAX. AIRFLOW (CFM)	MIN. AIRFLOW (CFM)	HEATING AIRFLOW (CFM)	TPD (IN. WC)	ELECTRICAL REHEAT COIL							REMARKS
	MANUFACTURER	MODEL						TOTAL MBH	EAT (°F)	LAT (°F)	KW	VOLT / PH.	MCA	MOCP	
VAV 1-1	TRANE	VCEF (ELEC HEATING)	8	850	255	255	0.09	11.95	55.0	98.2	3.5	208/3	12.14	15	
VAV 1-2	TRANE	VCEF (ELEC HEATING)	6	450	135	175	0.18	8.54	55.0	100.0	2.5	208/3	6.94	15	
VAV 1-3	TRANE	VCEF (ELEC HEATING)	8	675	203	203	0.06	8.54	55.0	93.9	2.5	208/3	8.67	15	
VAV 1-4	TRANE	VCEF (ELEC HEATING)	6	500	150	166	0.22	6.83	55.0	92.9	2	208/3	6.94	15	
VAV 1-5	TRANE	VCEF (ELEC HEATING)	5	250	75	83	0.02	3.41	55.0	92.9	1	208/3	3.47	15	
VAV 1-6	TRANE	VCEF (ELEC HEATING)	6	400	120	124	0.14	5.12	55.0	93.1	1.5	208/3	5.2	15	
VAV 1-7	TRANE	VCEF (ELEC HEATING)	6	425	128	128	0.16	5.12	55.0	92.0	1.5	208/3	5.2	15	
VAV 2-1	TRANE	VCEF (ELEC HEATING)	6	425	128	166	0.16	6.83	55.0	92.9	2	208/3	6.94	15	
VAV 2-2	TRANE	VCEF (ELEC HEATING)	10	1,125	338	338	0.03	13.66	55.0	92.3	4	208/3	13.88	15	
VAV 2-3	TRANE	VCEF (ELEC HEATING)	6	400	120	124	0.14	5.12	55.0	93.1	1.5	208/3	5.2	15	
VAV 2-4	TRANE	VCEF (ELEC HEATING)	10	950	285	285	0.03	11.95	55.0	93.7	3.5	208/3	12.14	15	
VAV 2-5	TRANE	VCEF (ELEC HEATING)	5	350	105	124	0.02	5.12	55.0	93.1	1.5	208/3	5.2	15	
VAV 2-6	TRANE	VCEF (ELEC HEATING)	4	150	45	83	0.01	3.41	55.0	92.9	1	208/3	3.47	15	
VAV 2-7	TRANE	VCEF (ELEC HEATING)	4	150	45	83	0.01	3.41	55.0	92.9	1	208/3	3.47	15	
VAV 2-8	TRANE	VCEF (ELEC HEATING)	5	250	75	83	0.02	3.41	55.0	92.9	1	208/3	3.47	15	
VAV 2-9	TRANE	VCEF (ELEC HEATING)	6	400	120	124	0.14	5.12	55.0	93.1	1.5	208/3	5.2	15	
VAV 2-10	TRANE	VCEF (ELEC HEATING)	8	550	165	187	0.04	8.54	55.0	97.1	2.5	208/3	6.94	15	
VAV 2-11	TRANE	VCEF (ELEC HEATING)	8	525	158	187	0.04	8.45	55.0	97.1	2.5	208/3	8.67	15	

EXHAUST FANS

DESIGNATION	REFERENCE PRODUCT		TYPE	AIRFLOW RATE (CFM)	ESP (IN. WC)	ROTATION (RPM)	DRIVE	SONES	ELECTRICAL			REMARKS
	MANUFACTURER	MODEL							BHP	MHP	VOLT / PH.	
EF-1	GREENHECK	CSP-A700-VG	INLINE	700	0.3	1,124	DIRECT	1.5	0.2		115/1	

DUCTLESS SPLIT SYSTEMS

DESIGNATION	REFERENCE PRODUCT			INDOOR UNIT TYPE	REFRIG. TYPE	TOTAL COOLING (MBH)	AIR EDB / EWB (°F)	OUTDOOR AMBIENT TEMP.	TOTAL AIRFLOW (CFM)	SEER	ELECTRICAL (OUTDOOR UNIT)			REMARKS
	MANUFACTURER	MODEL (INDOOR)	MODEL (OUTDOOR)								VOLTS / PH.	MCA	MOCP	
DSS-1 / DSCU-1	MITSUBISHI	PKA-AL12NL	PUY-AK12NL	WALL MOUNTED	R454B	12.00	80 / 67	95.0	1,590	21.1	208 / 1	16.0	27.0	PROVIDE WITH WALL MOUNTED CONTROLLER WITH DISPLAY. OUTDOOR UNIT POWERS THE INDOOR UNIT.
DSS-2 / DSCU-2	MITSUBISHI	PKA-AL12NL	PUY-AK12NL	WALL MOUNTED	R454B	13.00	81 / 67	95.0	1,590	21.1	209 / 1	16.0	27.0	PROVIDE WITH WALL MOUNTED CONTROLLER WITH DISPLAY. OUTDOOR UNIT POWERS THE INDOOR UNIT.
DSS-3 / DSCU-3	MITSUBISHI	PKA-AL12NL	PUY-AK12NL	WALL MOUNTED	R454B	12.00	80 / 67	95.0	1,590	21.1	208 / 1	16.0	27.0	PROVIDE WITH WALL MOUNTED CONTROLLER WITH DISPLAY. OUTDOOR UNIT POWERS THE INDOOR UNIT.

LOUVERS

DESIGNATION	REFERENCE PRODUCT		TYPE	WIDTH (IN.)	HEIGHT (IN.)	DEPTH (IN.)	FREE AREA	AIRFLOW (CFM)	MAXIMUM VELOCITY	PRESSURE DROP	REMARKS
	MANUFACTURER	MODEL									
LV-1	GREENHECK	ESD-435	DRAINABLE	23.75	20	4	1.4	800	572	0.05	PROVIDE INSECT SCREEN. PAINT TO MATCH ADJACENT SURFACE.

UNIT HEATERS - ELECTRIC

DESIGNATION	REFERENCE PRODUCT		HEATING CAPACITY (MBH)	FAN			ELECTRICAL			WEIGHT (LBS.)	REMARKS
	MANUFACTURER	MODEL		CFM	RPM	MHP	VOLT / PH.	KW	AMPS		
UH-1	QMARK	MUH03-21	7.5	350	1,600	0	208 / 1	2	11.00	27	

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SCHEDULES - HVAC
TITLE

M401
SHEET NO.

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ELECTRICAL GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL INSTALLATION WITH THE WORK OF OTHER TRADES. FIELD MODIFICATIONS NEEDED DUE TO OBSTRUCTIONS OR INTERFERENCES SHALL BE PROVIDED AT NO ADDITIONAL COST.
2. ALL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER WITHIN STANDARD OF CARE FOR PROFESSION. ALL LABOR, MATERIAL, TOOLS, PERMITS, INSPECTIONS, TESTING, CERTIFICATION, ETC. REQUIRED FOR A COMPLETE AND SATISFACTORY INSTALLATION TO DESIGN INTENT SHALL BE FURNISHED BY CONTRACTOR, PROVIDE, AT NO ADDITIONAL COST, INCLUDING INCIDENTAL ITEMS NOT SHOWN WHEN REQUIRED FOR TYPICAL COMPLETION OF WORK.
3. DRAWINGS NOT BEARING THE STAMP OR SEAL AND SIGNATURE OF A REGISTERED PROFESSIONAL ENGINEER SHALL NOT BE USED FOR BIDDING OR CONSTRUCTION PURPOSES UNLESS EXPRESSLY APPROVED IN WRITING BY THE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL DRAWINGS AND SPECIFICATIONS BEING USED FOR BIDDING AND CONSTRUCTION PURPOSES ARE OF THE LATEST REVISION AVAILABLE AND ALL ADDENDUM DOCUMENTS HAVE BEEN INCORPORATED EITHER BY REVISION RELEASE OF DRAWINGS/SPECIFICATIONS OR ATTACHMENT OF SKETCHES OR OTHER ADDENDUM INFORMATION.
4. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW PRODUCTS OF ESTABLISHED AND REPUTABLE MANUFACTURERS. NO EQUIPMENT SUBSTITUTIONS SHALL BE MADE THAT WOULD LEAVE INADEQUATE OPERATING OR SERVICE SPACE. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES AND IN AN ARRANGEMENT THAT WILL GIVE THE GREATEST PRACTICAL EASE OF OPERATION AND SERVICE TO THE OWNER.
5. ALL EQUIPMENT WHICH IS INDICATED TO BE FURNISHED AND/OR INSTALLED BY OTHERS OR BY OWNER IS INCLUDED FOR REFERENCE ONLY UNLESS NOTED OTHERWISE. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND VERIFYING INSTALLATION REQUIREMENTS OF THIS EQUIPMENT WITH THE APPLICABLE SUPPLIER OR THE OWNER. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
6. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE CODES AND REGULATIONS INCLUDING BUT NOT LIMITED TO NATIONAL, CITY, STATE, LOCAL ORDINANCES, AND UTILITY COMPANY REGULATIONS. ALL ELECTRICAL MATERIALS, INSTALLATION PROCEDURES, AND SYSTEM LAYOUTS SHALL BE APPROVED BY ALL APPLICABLE AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THESE RULES, REGULATIONS, AND ORDINANCES. THESE CODES REPRESENT THE MINIMUM ACCEPTABLE REQUIREMENTS, THEREFORE, WHERE DRAWINGS AND/OR SPECIFICATIONS INDICATE MATERIALS OR CONSTRUCTION MORE STRINGENT THAT CODE REQUIREMENTS, THE DRAWINGS AND/OR SPECIFICATIONS SHALL GOVERN.
7. IF COMPLIANCE WITH STANDARDS, CODES, REGULATIONS AND CONTRACT DOCUMENTS ESTABLISH DIFFERENT OR CONFLICTING REQUIREMENTS FOR MINIMUM QUANTITIES OR QUALITY LEVELS, REFER CONFLICTING REQUIREMENTS TO ENGINEER FOR A DECISION BEFORE PROCEEDING.
8. WHERE CONTRACT DOCUMENTS NAME A SINGLE MANUFACTURER AND PRODUCT, PROVIDE THE NAMED PRODUCT THAT COMPLIES WITH REQUIREMENTS. COMPARABLE PRODUCTS OR SUBSTITUTIONS FOR CONTRACTOR'S CONVENIENCE WILL BE CONSIDERED.
9. THE PROJECT CLOSEOUT SUBMITTALS SHALL INCLUDE, BUT NOT LIMITED TO, OPERATION AND MAINTENANCE MANUALS AND RECORD DRAWINGS.
10. THE CONTRACTOR SHALL VISIT THE SITE OF THE BUILDING BEFORE SUBMITTING A PROPOSAL ON THIS WORK AND SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND OPERATIONS. FAILURE ON THEIR PART TO DO THIS WILL NOT BE CAUSE OF EXTRAS AFTER THE CONTRACT IS SIGNED, BY REASON OF UNFORESEEN CONDITIONS.
11. NO PERSON SHALL PERFORM ELECTRICAL WORK ON THE CONTRACT WITHOUT POSSESSING A MASTER'S OR JOURNEYMAN'S LICENSE FROM THE STATE ELECTRICAL EXAMINERS BOARD. ALL ELECTRICAL WORK AND APPRENTICE ELECTRICIANS SHALL BE SUPERVISED BY A MASTER ELECTRICIAN ON A ONE TO ONE RATIO.
12. PREPARE AND SUBMIT SUBMITTALS TO ARCHITECT.
13. ALL AREAS USED AS RETURN AIR PLENUMS SHALL BE CONSTRUCTED WITH FIRE RESISTANT MATERIALS AND SHALL ONLY CONTAIN MATERIALS WHICH HAVE SMOKE DEVELOPED RATINGS NOT GREATER THAN 50 AND FLAME SPREAD RATINGS NOT GREATER THAN 25.
14. ALL ELECTRICAL EQUIPMENT, SUCH AS SWITCHES, CIRCUIT BREAKERS, ETC. SHALL BE TESTED BY OPERATING THE DEVICE TO VERIFY THAT THE MECHANICAL PORTIONS OF THE DEVICE ARE FUNCTIONING.
15. THE CONTRACT SHALL ASSIST ALL OTHER TRADES IN PERFORMING ROTATIONAL TESTS ON ALL MOTORS PROVIDED UNDER THIS CONTRACT.
16. WIRE SIZE PER CODE UNLESS NOTED ELSEWHERE:

    WIRE SIZE 120V

    A. #12 LESS THAN 75 FEET
    B. #10 BETWEEN 75-150 FEET
    C. #8 BETWEEN 150-250 FEET
    D. #6 BETWEEN 250-375 FEET

LEGEND

	EXIT SIGN/COMBINATION EXIT/EMERGENCY LIGHT
	EXIT SIGN/COMBINATION EXIT/EMERGENCY LIGHT (WITH DIRECTIONAL ARROWS).
	WALL MOUNTED EXIT SIGN/COMBINATION EXIT/EMERGENCY LIGHT.
	2X2 LED TROFFER.
	2X4 LED TROFFER.
ID	RECESSED ROUND DOWN LIGHT.
ID	WALL PACK LIGHT SQUARE FIXTURE.
ID	PENDANT LIGHT.
ID	RECESSED SQUARE DOWN LIGHT.
ID	WALL MOUNT STRIP LIGHT.
ID	4' LED STRIP.
ID	WALL LIGHT RECTANGLE.
ID	WALL LIGHT ROUND
ID	VANITY LIGHT RECTANGULAR.
	ALL LIGHTING FIXTURES ON EMERGENCY POWER SHALL BE SHOWN GRAPHICALLY AS RED COLOR FILL WITH DARK RED LINES.
	SITE LIGHT FIXTURE.

SWITCHES

HARD WIRED	LOW VOLTAGE	
S	SL	
SD	SLD	SINGLE POLE SWITCH. "D" DENOTES DIMMER, "3" 3-WAY, "3D" 3-WAY DIMMER, "4" - 4 WAY. COORDINATE WITH FIXTURE/LAMP TYPE AND CIRCUIT WATTAGE. MOUNT 48" A.F.F. UNLESS OTHERWISE NOTED.
S3	SL3	
S3D	SL3D	
S4	SL4	
SO	SLO	WALL MOUNTED DUAL TECH. MOTION SENSOR SWITCH WIRE PER MANUFACTURERS RECOMMENDATION. PROVIDE CONTACTORS TO CONTROL EXHAUST FAN WITH LIGHTS.
SG		SINGLE POLE SWITCH FOR GARBAGE DISPOSER. WIRE RECEPTACLE TO SWITCHED UPPER HALF.
SM		MOTOR RATED SWITCH USED FOR EQUIPMENT DISCONNECTING MEANS. SINGLE PHASE: PROVIDE MANUAL MOTOR STARTER WITH THERMAL OVERLOAD RELAYS SIZED PER MOTOR LOAD.
OS		CEILING MOUNTED DUAL TECH. OCCUPANCY SENSOR. PROVIDE AND INSTALL APPROPRIATE POWER PACK. COORDINATE SWITCHING, LOCATION AND QUANTITY WITH ACTUAL OCCUPANCY SENSOR USED. WIRE PER MANUFACTURERS RECOMMENDATION.
OS		WALL MOUNTED DUAL TECH. OCCUPANCY SENSOR. PROVIDE AND INSTALL APPROPRIATE POWER PACK. COORDINATE SWITCHING, LOCATION AND NUMBER WITH ACTUAL OCCUPANCY SENSOR USED. WIRE PER MANUFACTURERS RECOMMENDATION. PROVIDE OCCUPANCY SENSOR WHICH IS THE CORRECT TYPE FOR THE SPACE.

	DATA: REQUIRES 4-11/16" SQUARE OUTLET BOX, APPROPRIATE PLASTER RING, AND 1" C. STUBBED TO AN ACCESSIBLE LOCATION ABOVE A REMOVABLE CEILING TILE. MINIMUM OF TWO DATA CABLES AT EACH LOCATION SHOWN UNLESS OTHERWISE NOTED. MOUNT 18" AFF UNLESS OTHERWISE NOTED.
	TELEPHONE: REQUIRES 4-11/16" SQUARE OUTLET BOX, APPROPRIATE PLASTER RING, AND 1" C. STUBBED TO AN ACCESSIBLE LOCATION ABOVE A REMOVABLE CEILING TILE. NUMBER DENOTES THE NUMBER OF TELEPHONE PORTS/CABLES TO BE PROVIDED. MINIMUM OF TWO CABLES AT EACH LOCATION IS REQUIRED UNLESS OTHERWISE NOTED. MOUNT 18" AFF UNLESS OTHERWISE NOTED.
#	COMBO POWER/DATA SQUARE BOX MOUNTED FLUSH IN FLOOR; VERIFY REQUIREMENTS AND EXACT LOCATION WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN. NUMBER INDICATES QUANTITY OF DATA JACKS.
	DUPLEX RECEPTACLE. MOUNT 18" AFF UNLESS OTHERWISE NOTED.
	QUADRUPLEX RECEPTACLE. MOUNT 18" AFF UNLESS OTHERWISE NOTED.
	DUPLEX RECEPTACLE GROUND FAULT INTERRUPTER.
	QUADRUPLEX RECEPTACLE GROUND FAULT INTERRUPTER.
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER.
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER GROUND FAULT INTERRUPTER.
	QUADRUPLEX RECEPTACLE MOUNTED ABOVE COUNTER GROUND FAULT INTERRUPTER.
	DUPLEX RECEPTACLE - IN FLUSH MOUNTED THRU FLOOR FITTING.
J	JUNCTION BOX. VERIFY MOUNTING HEIGHT WITH MILLWORK DETAILS AND/OR THE OWNER'S REPRESENTATIVE. AT EQUIPMENT LOCATIONS VERIFY THE EXACT LOCATION WITH THE EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
	ELECTRICAL PANEL.
TTB	TELEPHONE TERMINAL BOARD
	BRANCH CIRCUIT HOMERUN ABOVE GRADE. PANEL AND CIRCUIT NUMBER INDICATED.
	BRANCH CIRCUIT HOMERUN BELOW GRADE. PANEL AND CIRCUIT NUMBER INDICATED.

# FA	WALL MOUNT FIRE ALARM VISUAL STROBE. NUMBER DENOTES CANDELA RATING. MOUNT 80" AFF UNLESS OTHERWISE NOTED.
# FA	WALL MOUNT FIRE ALARM HORN / VISUAL STROBE. NUMBER DENOTES CANDELA RATING. MOUNT 80" AFF UNLESS OTHERWISE NOTED.
# FA	CEILING FIRE ALARM HORN/STROBE-WR DENOTES WEATHER RESISTANT. REQUIRES 4" SQUARE BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. NUMBER DENOTES CANDELA RATING.
# FA	CEILING FIRE ALARM HORN/STROBE. REQUIRES 4" SQUARE BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. NUMBER DENOTES CANDELA RATING.
MPS	MANUAL PULL STATION MOUNTED MINIMUM OF 42", MAXIMUM OF 48" A.F.F.
SD	WALL MOUNTED PHOTOELECTRIC SMOKE DETECTOR.
SD	CEILING MOUNTED PHOTOELECTRIC SMOKE DETECTOR.
FS TS	SPRINKLER SYSTEM FLOW AND TAMPER SWITCHES.
DD	DUCT DETECTOR-FURNISHED AND INSTALLED BY THE FIRE ALARM CONTRACTOR. COORDINATE QUANTITY AND LOCATION WITH MECHANICAL PLANS.
FACP	FIRE ALARM CONTROL PANEL.
FAAP	FIRE ALARM ANNUNCIATOR PANEL.
FA	FIRE ALARM MODULE FOR CONTROL; PROVIDE ALL LOW VOLTAGE WIRING.
h	FUSED/NON-FUSED DISCONNECT-FUSE ALL EQUIPMENT PER MANUFACTURER RECOMMENDATION FOR THE ACTUAL EQUIPMENT FURNISHED. FURNISH NEMA-4X IN THE KITCHEN. MOUNT DISCONNECT FOR HVAC CONDENSER UNITS WITH TOP OF SWITCH AT 36" A.F.F.
WAP	WIRELESS INTERNET EQUIPMENT FURNISHED AND INSTALLED BY THE OWNER, FURNISH AND INSTALL TWO DATA CABLES.
	CAMERA - DOME STYLE IN CEILING
	CAMERA - WALL MOUNTED
CR	CARD READER.
ES	ELECTRIC STRIKE.
PB	PUSH BUTTON.
1	REVISION DELTA

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LITTLE ROCK EYE CLINIC - WEST

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GENERAL NOTES AND LEGEND - ELECTRICAL

TITLE

E001

SHEET NO.

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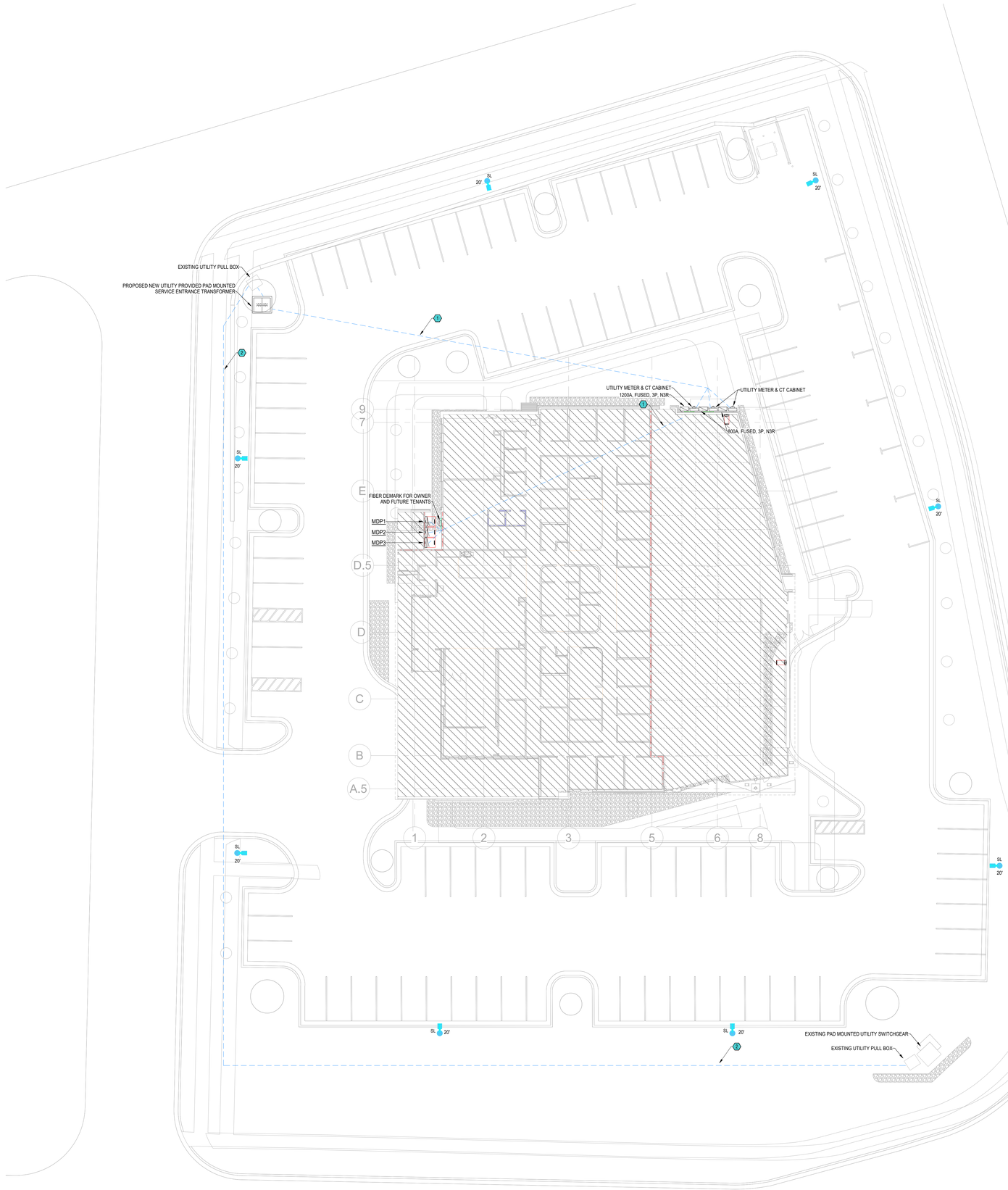

1 SITE PLAN
1/16" = 1'-0"

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY OF SERVICE TO THE NEW BUILDING COORDINATE ALL REQUIREMENTS AND COSTS AND LABOR W/ LOCAL UTILITY PRIOR TO BID. ALL COST ASSOCIATED W/ THE DELIVERY OF ELECTRICAL SERVICE SHALL BE INCLUDED AS A PART OF THIS CONTRACT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. COORDINATE WITH ALL OTHER DISCIPLINES UTILITIES PRIOR TO TRENCHING.
3. REFER TO SHEET E2.01 FOR ALL WIRE AND CONDUIT SIZES.

KEYED NOTES

1. SINGLE TRENCH, MULTIPLE CONDUITS, CONDUIT PATH IS FOR DIAGRAMMATIC PURPOSES ONLY. REFER TO SHEET E2.01 SERVICE ENTRANCE RISER DIAGRAM FOR WIRING AND CONDUIT DETAILS.
2. COORDINATE EXACT TRENCHING PATH WITH UTILITY COMPANY PRIOR TO TRENCHING. TRENCH SHALL HAVE 2 SEPARATE CONDUIT FOR 3 SEPARATE SERVICES.

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FLOOR PLAN - SITE PLAN
TITLE

E101
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GENERAL NOTES

1. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED IN THE CEILING TILE. ALL DEVICES IN HARD CEILING SHALL BE CENTERED IN SPACE.
2. MULTIPLE SWITCHES SHOWN TOGETHER SHALL BE GANGED TOGETHER UNDER A COMMON COVER PLATE OR PROVIDED AS MULTI-BUTTON SWITCHES.
3. PROVIDE AN UNSWITCHED HOT LEG TO ALL EXIT SIGNS AND EMERGENCY FIXTURES.
4. MC CABLE IS NOT PERMISSIBLE IN ANY AREA OTHER THAN 6' FIXTURES WHIPS.

KEYED NOTES

1. COORDINATE WITH OWNER/ARCHITECT FOR EXACT MOUNTING HEIGHT.
2. FULL BUILDING LIGHTING OVERRIDE KEYED SWITCH FOR LIGHTING RELAY PANEL.

1 GROUND FLOOR PLAN - LIGHTING
1/8" = 1'-0"

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FLOOR PLAN - LIGHTING
TITLE

E102
SHEET NO.

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GENERAL NOTES

1. CONTRACTOR SHALL VERIFY DEVICE AND EQUIPMENT LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, OUTLET BOXES, AND JUNCTION BOXES.
3. CONTRACTOR SHALL INDICATE CIRCUIT SERVING EACH RECEPTACLE BY PROVIDING TYPE WRITTEN LABELING LOCATED ON EACH RECEPTACLE COVER PLATE.
4. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH ENGINEER AND ARCHITECT PRIOR TO INSTALLATION. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT.
5. MC CABLE IS NOT PERMISSIBLE IN ANY AREA OTHER THAN 6' FIXTURES WHIPS.
6. ALL LOW VOLTAGE CABELING SHALL BE PLENUM RATED. ROUTE ON J-HOOKS AND SECURE TO STRUCTURE WHERE J-HOOKS ARE NOT AVAILABLE. REFER TO ARCHITECTURAL PLANS FOR WALLS TO DECK.
7. ALL OUTLETS IN OFFICES, LOBBY, AND CORRIDORS SHALL BE TAMPER RESISTANT.

KEYED NOTES

(T1) RECEPTACLE LOCATED IN THE CABINET. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHT.

(2) REFER TO ARCHITECTURAL ELEVATIONS FOR TV MOUNTING HEIGHT.

(3) COORDINATE WITH OWNER/ARCHITECT FOR EXACT FLOOR BOX RECEPTACLE LOCATION PRIOR TO ROUGH IN.

GROUND FLOOR PLAN - POWER

1 1/8" = 1'-0"

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FLOOR PLAN - POWER

TITLE

E103

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GENERAL NOTES

1. CONTRACTOR SHALL VERIFY DEVICE AND EQUIPMENT LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, OUTLET BOXES, AND JUNCTION BOXES.
3. CONTRACTOR SHALL INDICATE CIRCUIT SERVING EACH RECEPTACLE BY PROVIDING TYPE WRITTEN LABELING LOCATED ON EACH RECEPTACLE COVER PLATE.
4. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH ENGINEER AND ARCHITECT PRIOR TO INSTALLATION. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT.
5. MC CABLE IS NOT PERMISSIBLE IN ANY AREA OTHER THAN 6' FIXTURES WHIPS.
6. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED. ROUTE ON J-HOOKS AND SECURE TO STRUCTURE WHERE J-HOOKS ARE NOT AVAILABLE. REFER TO ARCHITECTURAL PLANS FOR WALLS TO DECK.

KEYED NOTES

(T) DATA LOCATED IN THE CABINET. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHT.

(2) REFER TO ARCHITECTURAL ELEVATIONS FOR TV MOUNTING HEIGHT.

1 GROUND FLOOR PLAN - SYSTEMS
1/8" = 1'-0"

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DESIGN DEVELOPMENT

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JOB NO.

04/30/2026
DATE

FLOOR PLAN - SYSTEMS
TITLE

E104
SHEET NO.

Project Name
Autodesk Docs://Little Rock Eye Clinic - West/26-019 LR Eye Clinic MEP Model.rvt
5/4/2026 10:21:27 AM

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY DEVICE AND EQUIPMENT LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, OUTLET BOXES, AND JUNCTION BOXES.
3. CONTRACTOR SHALL INDICATE CIRCUIT SERVING EACH RECEPTACLE BY PROVIDING TYPE WRITTEN LABELING LOCATED ON EACH RECEPTACLE COVER PLATE.
4. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH ENGINEER AND ARCHITECT PRIOR TO INSTALLATION. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT.
5. MC CABLE IS NOT PERMISSIBLE IN ANY AREA OTHER THAN 6' FIXTURES WHIPS.
6. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED. ROUTE ON J-HOOKS AND SECURE TO STRUCTURE WHERE J-HOOKS ARE NOT AVAILABLE. REFER TO ARCHITECTURAL PLANS FOR WALLS TO DECK.

KEYED NOTES

1. INDOOR UNIT IS POWERED BY OUTDOOR UNIT, RUN 2-#12, # 12G, 3/4"C TO UNIT.

1 GROUND FLOOR PLAN - MECHANICAL POWER
1/8" = 1'-0"

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DATE

FLOOR PLAN - MECHANICAL POWER
TITLE

E105
SHEET NO.

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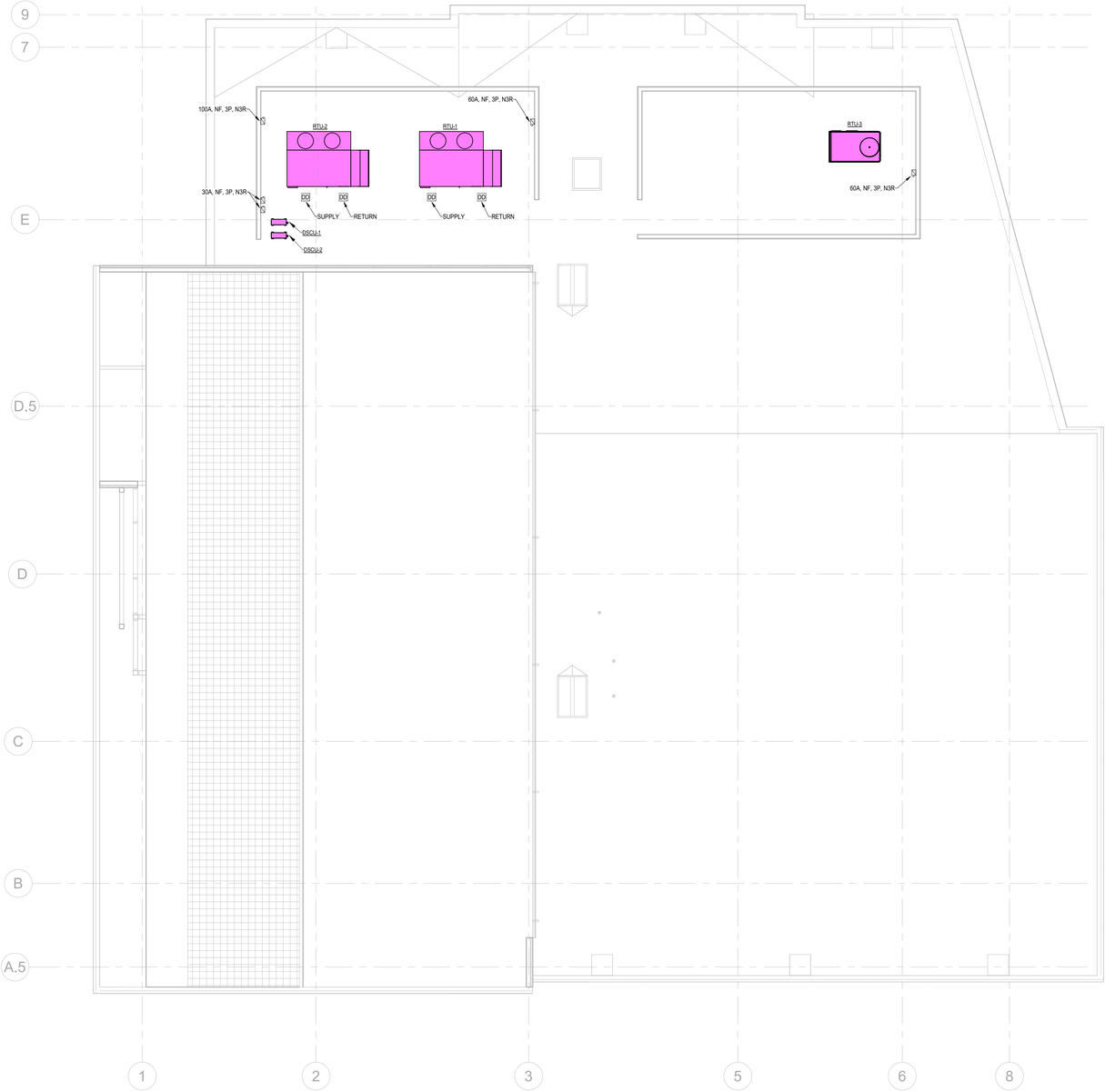

GENERAL NOTES

1. SAMPLE TEXT...
2. SAMPLE TEXT...
3. SAMPLE TEXT...
4. SAMPLE TEXT...

KEYED NOTES

- SAMPLE TEXT...
- SAMPLE TEXT...
- SAMPLE TEXT...
- SAMPLE TEXT...

1 ROOF - ELEC
1/8" = 1'-0"

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ROOF PLAN - MECHANICAL POWER

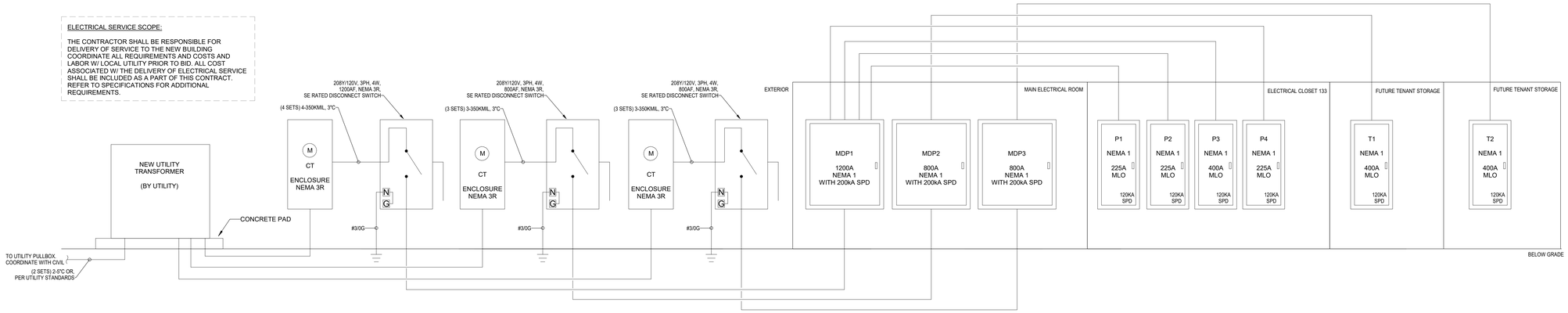
TITLE

E106

SHEET NO.

ELECTRICAL SERVICE SCOPE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY OF SERVICE TO THE NEW BUILDING COORDINATE ALL REQUIREMENTS AND COSTS AND LABOR W/ LOCAL UTILITY PRIOR TO BID. ALL COST ASSOCIATED W/ THE DELIVERY OF ELECTRICAL SERVICE SHALL BE INCLUDED AS A PART OF THIS CONTRACT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.



ONE-LINE DIAGRAM GENERAL NOTES:

A. CONTRACTOR SHALL PROVIDE ENGRAVED NAMEPLATE ON ALL NEW ELECTRICAL EQUIPMENT INDICATING EQUIPMENT VOLTAGE, AMPERAGE AND AVAILABLE SHORT CIRCUIT RATING PER 2020 NEC.

B. METERING EQUIPMENT ENCLOSURE PROVIDED BY UTILITY COMPANY, INSTALLED BY ELECTRICAL CONTRACTOR PER UTILITY COMPANY SPECIFICATIONS. METER INSTALLED BY UTILITY COMPANY.

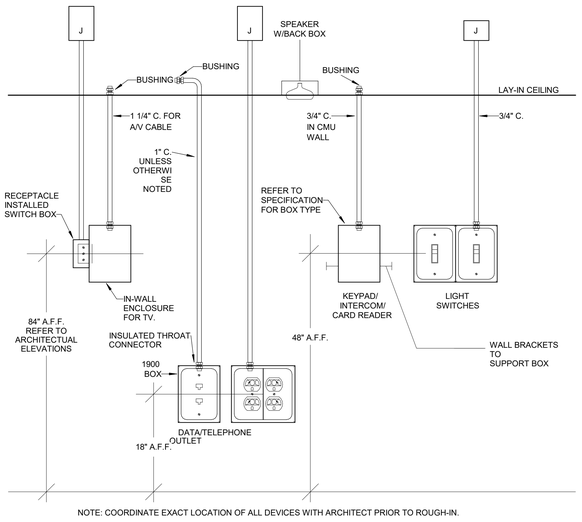
C. ALL CONDUCTORS SHALL BE COPPER.

ELECTRICAL KEYED NOTES:

1. PROVIDE GROUNDING PER NEC ARTICLE 250 REQUIREMENTS AND ELECTRICAL DETAILS.
2. PROVIDE SURGE PROTECTION DEVICE. 208V, 3PH, 200KA.

1 ELECTRICAL RISER DIAGRAM

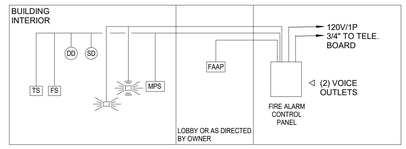
NOT TO SCALE:



NOTE: COORDINATE EXACT LOCATION OF ALL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN.

2 TYPICAL DEVICE ELEVATIONS

NOT TO SCALE:

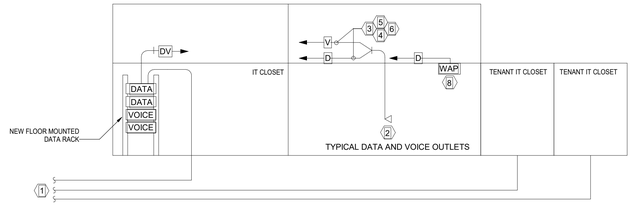


FIRE ALARM GENERAL NOTES:

1. REFER TO SYSTEMS PLANS FOR EXACT QUANTITIES AND PLACEMENT OF FIRE ALARM DEVICES.
2. PROVIDE PLASTIC BUSHING ON EACH CONDUIT TERMINATION STUB UP.
3. ALL CABLES SHALL BE PLENUM RATED.
4. PROVIDE DEDICATED SYSTEM SLEEVES WITHIN EACH WALL AS REQUIRED.
5. FIRE ALARM WIRING SHALL BE PER THE FIRE ALARM SYSTEM MANUFACTURERS RECOMMENDATIONS.
6. ALL FIRE ALARM CIRCUITRY SHALL BE IN MINIMUM 3/4"C.
7. ALL FIRE ALARM JUNCTION BOXES TO BE PAINTED RED.

3 FIRE ALARM RISER DIAGRAM

NOT TO SCALE:



DATA/TELE GENERAL NOTES:

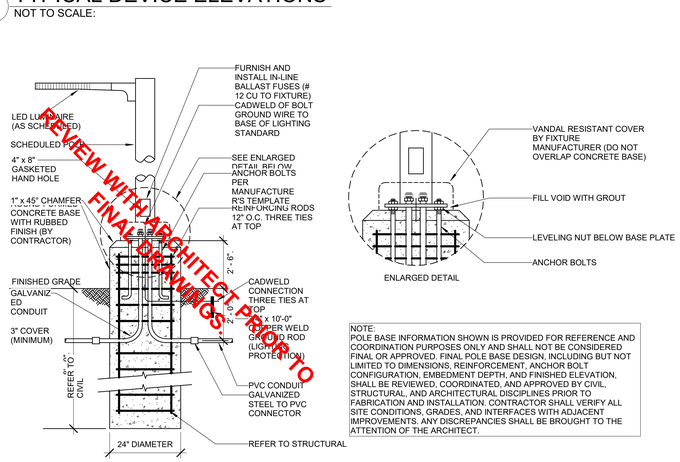
1. REFER TO SYSTEMS PLANS FOR EXACT QUANTITIES AND PLACEMENT OF FIRE ALARM DEVICES.
2. PROVIDE PLASTIC BUSHING ON EACH CONDUIT TERMINATION STUB UP.
3. ALL CABLES SHALL BE PLENUM RATED.
4. PROVIDE DEDICATED SYSTEM SLEEVES WITHIN EACH WALL AS REQUIRED.
5. CONDUIT FROM ALL DATA COMMUNICATIONS OUTLETS SHALL BE ROUTED AS FOLLOWS:
   A. ACCESSIBLE CEILING: CONDUIT MAY BE STUBBED TO ABOVE ACCESSIBLE CEILING AND ROUTED USING STRAPS OR D HOOKS TO DATA RACK.
   B. GYPSUM OR EXPOSED CEILING: CONDUIT SHALL BE RUN TO NEAREST ACCESSIBLE CEILING AND ROUTED USING STRAPS OR D HOOKS.
6. OWNER FURNISHED, CONTRACTOR INSTALLED: RACKS, SWITCHES, NETWORK HARDWARE AND EQUIPMENT.
7. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED: PATCH PANELS, CABLING, JACKS, FACEPLATES, AND TERMINATIONS.
8. CONTRACTOR SHALL PROVIDE ALL TESTING.

DATA/TELE KEYED NOTES:

1. PROVIDE (3) 3" PVC SCHEDULE 80 CONDUIT FROM BUILDING TELE/DATA RACK TO RISER POLE FOR TELEPHONE, DATA AND CABLE SERVICE. 3 SEPARATE TELE/DATA SERVICES ARE REQUIRED FOR OWNER AND FUTURE TENANTS. COORDINATE EXACT CONDUIT STUB UP LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH IN.
2. TYPICAL DATA/VOICE OUTLET. QUANTITIES OF JACKS OR CONNECTORS AS INDICATED ON PLANS. IF NO QUANTITY IS SHOWN, PROVIDE AND INSTALL 2 JACKS.
3. MINIMUM CONDUIT DROP SIZE TO ALL DATA/VOICE OUTLETS SHALL BE 1" EMT AND SHALL EXTEND FROM OUTLET BOX TO ABOVE ACCESSIBLE CEILING.
4. ALL VOICE CONDUCTORS SHALL BE CAT-6 AND SHALL BE ROUTED TO NEW PATCH PANELS IN RACK. ALL VOICE CONDUCTORS SHALL BE CONNECTED TO VOICE PATCH PANELS IN RACKS AND COSS CONNECTED ON NEW 110 BLOCKS.
5. ALL CABLE TO BE PLENUM RATED AND ROUTED IN STRAPS OR D-HOOKS.
6. ALL DATA CONDUCTORS SHALL BE CAT-6 AND SHALL HOME-RUN TO NEW PATCH PANELS IN RACK. ALL CABLE TO BE PLENUM RATED AND ROUTED IN STRAPS OR D-HOOKS.
7. TYPICAL WIRELESS ACCESS POINT. CONTRACTOR TO RUN 1-CAT-6 TO JUNCTION BOX IN CEILING. WAP PROVIDED BY OWNER.

4 TELE/DATA RISER DIAGRAM

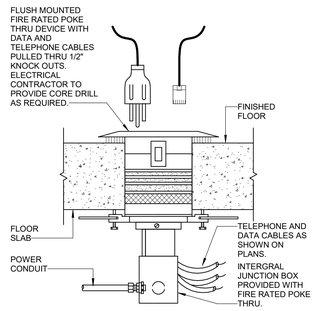
NOT TO SCALE:



NOTE:
POLE BASE INFORMATION SHOWN IS PROVIDED FOR REFERENCE AND COORDINATION PURPOSES ONLY AND SHALL NOT BE CONSIDERED FINAL OR APPROVED. FINAL POLE BASE DESIGN, INCLUDING BUT NOT LIMITED TO DIMENSIONS, REINFORCEMENT, ANCHOR BOLT CONFIGURATION, EMBEDMENT DEPTH, AND FINISHED ELEVATION, SHALL BE REVIEWED, COORDINATED, AND APPROVED BY CIVIL, STRUCTURAL, AND ARCHITECTURAL DISCIPLINES PRIOR TO FABRICATION AND INSTALLATION. CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS, GRADES, AND INTERFACES WITH ADJACENT IMPROVEMENTS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

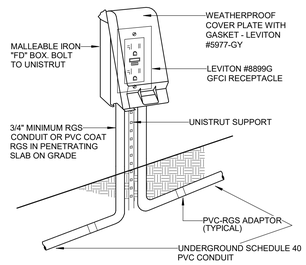
5 CONCRETE POLE BASE DETAIL LED LUMINAIRE (TYP.)

NOT TO SCALE:



6 FLUSH FIRE RATED POKE-THRU

NOT TO SCALE:



7 RECEPTACLE MOUNTING DETAIL

NOT TO SCALE:

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DETAILS AND DIAGRAMS - ELECTRICAL

TITLE

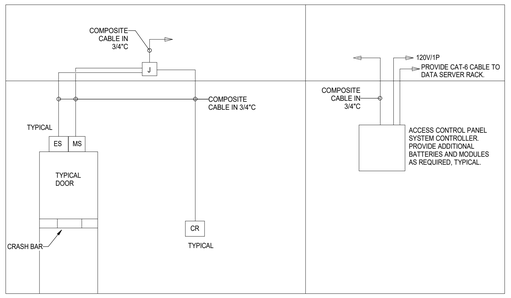
E201

SHEET NO.

Project Norms
Autodesk Docs://Little Rock Eye Clinic - West/26-019 LR Eye Clinic MEP Model.rvt
5/4/2026 10:21:31 AM

ACCESS CONTROL AND AUTOMATIC DOOR LEGEND

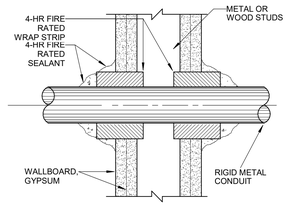
MS	MOTION SENSOR.
CR	CARD READER.
ES	ELECTRIC STRIKE.



1 ACCESS CONTROL AND AUTOMATIC DOOR RISER DIAGRAM
NOT TO SCALE:

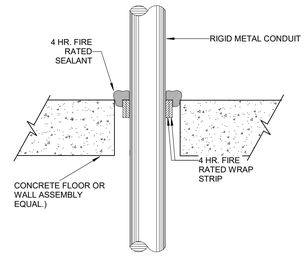
ACCESS CONTROL GENERAL NOTES:

1. CONTRACTOR TO DESIGN, PROVIDE AND INSTALL A COMPLETE AND OPERATING SYSTEM INCLUDING BUT NOT LIMITED TO CONDUIT, BOXES, LOW VOLTAGE CABLING, NEAR-FIELD CARD READERS, MOTION SENSORS, CREDENTIAL CARDS, ACCESS MANAGEMENT SOFTWARE, CONTACT CLOSURE SENSORS, & POE.
2. COORDINATE ALL REQUIREMENTS AND LOCATIONS WITH OWNER, ARCHITECT, AND SYSTEM VENDOR.
3. REFER TO SYSTEMS PLAN FOR QUANTITIES AND PLACEMENT OF DEVICES.
4. ALL CABLES TO BE PLENUM RATED.
5. MINIMUM 3/4"C TO ACCESSIBLE CEILING.
6. PROVIDE AND INSTALL PLASTIC BUSHING AT EACH CONDUIT TERMINATION STUB UP.
7. SYSTEM CABLES TO BE INSTALLED ON J-HOOKS ON 4'-0" CENTERS IN ACCESSIBLE CEILING.
8. PROVIDE AND INSTALL SYSTEM SLEEVES IN EACH WALL AS REQUIRED.
9. EGRESS DOORS RELEASE TO BE COORDINATED WITH SYSTEM VENDOR.
10. ALL ACCESS CONTROL DOORS SHALL BE PROGRAMMED TO FAIL-SAFE WITH SIGNAL FROM FIRE ALARM CONTROL SYSTEM TO ACCESS CONTROL SYSTEM.



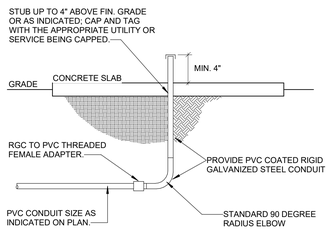
NOTE: FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION

2 1 AND 2 HR. GYPSUM WALLBOARD PIPE PENETRATION
NOT TO SCALE

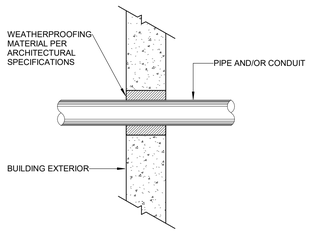


NOTE: FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.

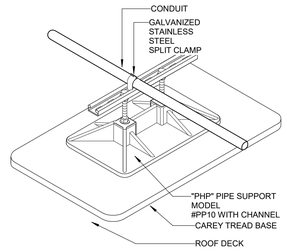
3 2-4 HR. PENETRATIONS FOR CONCRETE
NOT TO SCALE:



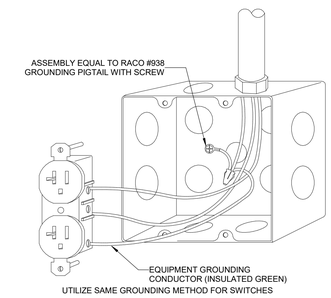
4 CONDUIT STUB-UP DETAIL
NOT TO SCALE:



5 PIPE AND/OR CONDUIT PENETRATION
NOT TO SCALE:



6 ROOF CONDUIT SUPPORT DETAIL
NOT TO SCALE:



7 JUNCTION BOX GROUNDING
NOT TO SCALE:

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DETAILS AND DIAGRAMS - ELECTRICAL
TITLE

E202
SHEET NO.

Project Name
Autodesk Docs://Little Rock Eye Clinic - West/26-019 LR Eye Clinic MEP Model.rvt
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Branch Panel: MDP1

NEW

Panel Location: ELECTRICAL 150
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35K AIC
Bus Rating: 1200 A
MCB Rating: MLO

Notes:

CKT	Circuit Description	Trip (A)	Poles	"A"		"B"		"C"		Poles	Trip (A)	Circuit Description	CKT
1	P1	225	3	0	0					3	225	P2	2
3	--	--	--			0	0			--	--	--	4
5	--	--	--					0	0	--	--	--	6
7	P3	400	3	0	0					3	225	P4	8
9	--	--	--			0	0			--	--	--	10
11	--	--	--					0	0	--	--	--	12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
	Total Load:			0 VA		0 VA		0 VA					
	Total Amps:			0 A		0 A		0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	0 VA	0.00%	0 VA		
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Branch Panel: MDP2

NEW

Panel Location: ELECTRICAL 150
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35K AIC
Bus Rating: 800 A
MCB Rating: MLO

Notes:

CKT	Circuit Description	Trip (A)	Poles	"A"		"B"		"C"		Poles	Trip (A)	Circuit Description	CKT
1	T1	400	3	0									2
3	--	--	--			0							4
5	--	--	--					0					6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
	Total Load:			0 VA		0 VA		0 VA					
	Total Amps:			0 A		0 A		0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	0 VA	0.00%	0 VA		
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Branch Panel: MDP3

NEW

Panel Location: ELECTRICAL 150
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35K AIC
Bus Rating: 800 A
MCB Rating: MLO

Notes:

CKT	Circuit Description	Trip (A)	Poles	"A"		"B"		"C"		Poles	Trip (A)	Circuit Description	CKT
1	T2	400	3	0									2
3	--	--	--			0							4
5	--	--	--					0					6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
	Total Load:			0 VA		0 VA		0 VA					
	Total Amps:			0 A		0 A		0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	0 VA	0.00%	0 VA		
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Branch Panel: P2

NEW

Panel Location: ELECTRICAL 133
Supply From: MDP1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Bus Rating: 225 A
MCB Rating: MLO

Notes:

CKT	Circuit Description	Trip (A)	Poles	A		B		C		Poles	Trip (A)	Circuit Description	CKT
1													2
3													4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
	Total Load:			0 VA		0 VA		0 VA					
	Total Amps:			0 A		0 A		0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Branch Panel: P1

NEW

Panel Location: ELECTRICAL 133
Supply From: MDP1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Bus Rating: 225 A
MCB Rating: MLO

Notes:

CKT	Circuit Description	Trip (A)	Poles	A		B		C		Poles	Trip (A)	Circuit Description	CKT
1													2
3													4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
	Total Load:			0 VA		0 VA		0 VA					
	Total Amps:			0 A		0 A		0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

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LITTLE ROCK EYE CLINIC - WEST

DESIGN DEVELOPMENT

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JOB NO.

04/30/2026
DATE

SCHEDULES - ELECTRICAL

TITLE

E301

SHEET NO.

Branch Panel: P3

NEW

Panel Location: ELECTRICAL 133
Supply From: MDP1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Bus Rating: 400 A
MCB Rating: MLO

Notes:

CKT	Circuit Description	Trip (A)	Poles	A	B	C	Poles	Trip (A)	Circuit Description	CKT
1										2
3										4
5										6
7										8
9										10
11										12
13										14
15										16
17										18
19										20
21										22
23										24
25										26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42
43										44
45										46
47										48
49										50
51										52
53										54
55										56
57										58
59										60
	Total Load:			0 VA	0 VA	0 VA				
	Total Amps:			0 A	0 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Branch Panel: P4

NEW

Panel Location: ELECTRICAL 133
Supply From: MDP1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Bus Rating: 225 A
MCB Rating: MLO

Notes:

CKT	Circuit Description	Trip (A)	Poles	A	B	C	Poles	Trip (A)	Circuit Description	CKT
1										2
3										4
5										6
7										8
9										10
11										12
13										14
15										16
17										18
19										20
21										22
23										24
25										26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42
43										44
45										46
47										48
49										50
51										52
53										54
55										56
57										58
59										60
	Total Load:			0 VA	0 VA	0 VA				
	Total Amps:			0 A	0 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Branch Panel: T1

NEW

Panel Location: TENANT SPACE 200
Supply From: MDP2
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Bus Rating: 400 A
MCB Rating: MLO

Notes:

CKT	Circuit Description	Trip (A)	Poles	"A"	"B"	"C"	Poles	Trip (A)	Circuit Description	CKT
1										2
3										4
5										6
7										8
9										10
11										12
13										14
15										16
17										18
19										20
21										22
23										24
25										26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42
	Total Load:			0 VA	0 VA	0 VA				
	Total Amps:			0 A	0 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Branch Panel: T2

NEW

Panel Location: TENANT SPACE 200
Supply From: MDP3
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Bus Rating: 400 A
MCB Rating: MLO

Notes:

CKT	Circuit Description	Trip (A)	Poles	"A"	"B"	"C"	Poles	Trip (A)	Circuit Description	CKT
1										2
3										4
5										6
7										8
9										10
11										12
13										14
15										16
17										18
19										20
21										22
23										24
25										26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42
	Total Load:			0 VA	0 VA	0 VA				
	Total Amps:			0 A	0 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

LIGHTING FIXTURE SCHEDULE (W/ LOAD)

DESIGNATION	MANUFACTURER	MODEL	LOAD	VOLTAGE	DESCRIPTION
A	PINNACLE	TR22-935HO-GX-U-FSD-1-0-W	38 VA	120 V	2X2 TROFFER
AE	PINNACLE	TR22-935HO-GX-U-FSD-1-FSB-W	38 VA	120 V	2X2 TROFFER WITH BATTERY
B	PINNACLE	TR24-935VHO-GX-U-FSD-1-0-W	56 VA	120 V	2X4 TROFFER
BE	PINNACLE	TR24-935VHO-GX-U-FSD-1-FSB-W	56 VA	120 V	2X4 TROFFER WITH BATTERY
C1	LUMENPULSE	LCRN-A-FD-120-R-L07-35K-90-M-DAMC-SB-MWH-SQ-MWH-NC-1-NA	9 VA	120 V	3" RECESSED DOWNLIGHT
C2	LUMENPULSE	LCRN-A-FD-120-R-L10-35K-90-W-DAMC-SB-MWH-SQ-MWH-NC-1-NA	12 VA	120 V	3" RECESSED DOWNLIGHT
C2E	LUMENPULSE	LCRN-A-FD-120-R-L10-35K-90-W-DAMC-SB-MWH-SQ-MWH-NC-1-EBB	12 VA	120 V	3" RECESSED DOWNLIGHT WITH BATTERY
C3	FLUXWERX	TC1-R-09-D-K2-W-W-M1-9-35-C-F2-M	16 VA	120 V	9" RECESSED DOWNLIGHT
C3E	FLUXWERX	TC1-R-09-D-K2-W-W-M1-9-35-C-F2-M-B	16 VA	120 V	9" RECESSED DOWNLIGHT WITH BATTERY
D1	LUMENPULSE	LCRN-A-FD-120-S-L13-40K-90-M-DAMC-DB-XXX-SQ-XXX-NC-1-NA	15 VA	120 V	3" SQUARE RECESSED DOWNLIGHT
D1E	LUMENPULSE	LCRN-A-FD-120-S-L13-40K-90-M-DAMC-DB-XXX-SQ-XXX-NC-1-EBB	15 VA	120 V	3" SQUARE RECESSED DOWNLIGHT WITH BATTERY
D2	LUMENPULSE	LCRN-A-FD-120-S-L13-40K-90-M-DAMC-DB-XXX-SQ-XXX-NC-1-WET	15 VA	120 V	3" SQUARE RECESSED WET LOCATION DOWNLIGHT
D2E	LUMENPULSE	LCRN-A-FD-120-S-L13-40K-90-M-DAMC-DB-XXX-SQ-XXX-NC-1-WET-EBB	15 VA	120 V	3" SQUARE RECESSED WET LOCATION DOWNLIGHT WITH BATTERY
G	QTL	BOXA-FC-SW-RLC-IP20-35-5.0-ENC/CL-S1-BW-CL-276"	60 VA	120 V	FLEXIBLE TAPE LIGHT
H	AXIS	SK2PD-CIR-96"DIA-1100-90-35-SO-XX-UNV-DP-1-CA	40 VA	120 V	96" DIAMETER PENDANT RING LIGHT
K4	FLUXWERX	LW1-W-S4-D-FF-XX-Y3-9-35-F-F2-M	20 VA	120 V	ONWALL 4' LINEAR
K6	FLUXWERX	LW1-W-S6-D-FF-XX-Y3-9-35-F-F2-M	25 VA	120 V	ONWALL 6' LINEAR
K8	AXIS	B2SQPRLED-300-90-35-SO-RG2-X-W-UNV-DP-1-TBX-ECRG2-TS	30 VA	120 V	RECESSED WALL TO WALL LINEAR
L7	AXIS	EX2R-300-80-40-GZ-7-X-UNV-DP-1-DF	17 VA	120 V	7' EXTERIOR WALL GRAZE
L8	AXIS	EX2R-300-80-40-GZ-8-X-UNV-DP-1-DF	20 VA	120 V	8' EXTERIOR WALL GRAZE
L12	AXIS	EX2R-300-80-40-GZ-12-X-UNV-DP-1-DF	25 VA	120 V	12' EXTERIOR WALL GRAZE
L12E	AXIS	EX2R-300-80-40-GZ-X-X-UNV-DP-1-DF-B(#)	25 VA	120 V	12' EXTERIOR WALL GRAZE WITH BATTERY
M	QTL	BOXA-SW-WSC-WET-40-1.5-ENC/TL-S2-BW120-NA-CL-XX-E	30 VA	120 V	EXTERIOR RING LIGHT
N	QTL	BOXA-FC-SW-RLC-IP20-35-5.0-ENC/CL-S1-BW-CL-24"	10 VA	120 V	2' TAPE LIGHT
S1	LA LIGHTING	STW100-4-4L-FRA-DRDM-UNV-1-835-V4CS10	25 VA	120 V	4' STRIP LIGHT
S1E	LA LIGHTING	STW100-4-4L-FRA-BPLSL1.5-DRDM-UNV-1-835-V4CS10	25 VA	120 V	4' STRIP LIGHT WITH BATTERY
S2	LA LIGHTING	STW100-2-4L-FRA-DRDM-UNV-1-835-V4CS10	12 VA	120 V	4' STRIP LIGHT
S2E	LA LIGHTING	STW100-2-4L-FRA-BPLSL1.5-DRDM-UNV-1-835-V4CS10	12 VA	120 V	4' STRIP LIGHT WITH BATTERY
SL	LUMENICON	LIAM-120-XXX-S60-40K-CRI70-3BL3-X-X-X-DIM	55 VA	120 V	SITE LIGHT MOUNTED ON 20' POLE
V	HEMERA	SEW-XX-LG-SP-LED-13W/90/35-D010-UNV	13 VA	120 V	VANITY
W1	CERNO	08-160-X-X-X-35-P1	18 VA	120 V	WALL SCONCE
W2E	DESIGNPLAN	KOCCA1.2-KA1211-X-9-W	15 VA	120 V	EXTERIOR WALL SCONCE

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SCHEDULES - ELECTRICAL

TITLE

E302

SHEET NO.

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PLUMBING GENERAL NOTES

1. ALL PIPING IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE A HARD SUSPENDED CEILING.
2. ACCESS PANELS IN HARD SUSPENDED CEILINGS ARE REQUIRED FOR ALL VALVES, TRAPS, CLEANOUTS, CONTROLS, ETC. COORDINATE LOCATION OF PANELS WITH MECHANICAL INSTALLATION AND DEMONSTRATE ACCESS TO EQUIPMENT SERVED.
3. ALL PIPE ROUTING AND CONSTRUCTION SHOWN ON THE DRAWINGS IS DIAGRAMMATIC IN NATURE AND MAY NOT BE SHOWN IN EXACT LOCATIONS OR WITH ALL ANCILLARY ITEMS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING PER TYPICAL CONSTRUCTION PRACTICE IN THE MOST EFFICIENT WAY POSSIBLE WHILE ADHERING AS CLOSELY TO THE DRAWINGS AS POSSIBLE. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL INSTALLATION WITH THE WORK OF OTHER TRADES. FIELD MODIFICATIONS SUCH AS OFFSETS IN PIPING NEEDED DUE TO OBSTRUCTIONS OR INTERFERENCES SHALL BE PROVIDED AT NO ADDITIONAL COST.
4. ALL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER WITHIN STANDARD OF CARE FOR PROFESSION. ALL LABOR, MATERIAL, TOOLS, PERMITS, INSPECTIONS, TESTING, CERTIFICATION, ETC. REQUIRED FOR A COMPLETE AND SATISFACTORY INSTALLATION TO DESIGN INTENT SHALL BE FURNISHED BY CONTRACTOR. PROVIDE, AT NO ADDITIONAL COST, INCLUDING INCIDENTAL ITEMS NOT SHOWN WHEN REQUIRED FOR TYPICAL COMPLETION OF WORK.
5. DRAWINGS NOT BEARING THE STAMP OR SEAL AND SIGNATURE OF A REGISTERED PROFESSIONAL ENGINEER SHALL NOT BE USED FOR BIDDING OR CONSTRUCTION PURPOSES UNLESS EXPRESSLY APPROVED IN WRITING BY THE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL DRAWINGS AND SPECIFICATIONS BEING USED FOR BIDDING AND CONSTRUCTION PURPOSES ARE OF THE LATEST REVISION AVAILABLE AND ALL ADDENDUM DOCUMENTS HAVE BEEN INCORPORATED EITHER BY REVISION RELEASE OF DRAWINGS/SPECIFICATIONS OR ATTACHMENT OF SKETCHES OR OTHER ADDENDUM INFORMATION.
6. THE PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL NEW PRODUCTS OF ESTABLISHED AND REPUTABLE MANUFACTURERS. NO EQUIPMENT SUBSTITUTIONS SHALL BE MADE THAT WOULD LEAVE INADEQUATE OPERATING OR SERVICE SPACE. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES AND IN AN ARRANGEMENT THAT WILL GIVE THE GREATEST PRACTICAL EASE OF OPERATION AND SERVICE TO THE OWNER.
7. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE CODES AND REGULATIONS INCLUDING BUT NOT LIMITED TO NATIONAL, CITY, STATE, AND LOCAL ORDINANCES. ALL PLUMBING MATERIALS, INSTALLATION PROCEDURES, AND SYSTEM LAYOUTS SHALL BE APPROVED BY ALL APPLICABLE AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THESE RULES, REGULATIONS, AND ORDINANCES. THESE CODES REPRESENT THE MINIMUM ACCEPTABLE REQUIREMENTS, THEREFORE, WHERE DRAWINGS AND/OR SPECIFICATIONS INDICATE MATERIALS OR CONSTRUCTION MORE STRINGENT THAN CODE REQUIREMENTS, THE DRAWINGS AND/OR SPECIFICATIONS SHALL GOVERN.
8. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO PAY FOR ALL NECESSARY PERMITS AND APPROVALS FOR THIS INSTALLATION.
9. ALL DOMESTIC WATER PIPING SHALL CONFORM TO THE REQUIREMENTS OF THE ANSI SAFETY CODE AND BE FREE FROM ALL DEFECTS AND BE PROPERLY IDENTIFIED.
10. STERILIZE THE ENTIRE WATER DISTRIBUTION SYSTEM PER THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
11. DOMESTIC WATER SYSTEM, WASTE, SOIL AND VENT SYSTEM SHALL ALL BE TESTED PER LOCAL AUTHORITY HAVING JURISDICTION. TEST AND OBTAIN APPROVAL ON ALL UNDERGROUND PIPING FROM ADMINISTRATIVE AUTHORITY HAVING JURISDICTION PRIOR TO COVERING WORK.
12. PLUMBING CONTRACTOR SHALL PROVIDE INITIAL START UP OF ALL SYSTEMS INCLUDED IN THE PLUMBING WORK.
13. ALL EXPOSED PIPING BELOW LAVATORY'S DESIGNATED AS HANDICAPPED SHALL BE TOTALLY INSULATED.
14. ALL NON-DRAINAGE PIPING SHALL BE RUN LEVEL AND GENERALLY FREE OF TRAPS AND UNNECESSARY BENDS, ARRANGED TO CONFORM TO THE BUILDING REQUIREMENTS AND TO SUIT THE NECESSITIES OF CLEARANCES FOR OTHER MECHANICAL WORK. PROVIDE VALVED DRAINAGE OUTLETS IN AREAS OF PIPING WHICH WOULD BE UNDRAINABLE DURING MAINTENANCE OR REPAIRS.
15. ALL EQUIPMENT, PIPING, ETC., SHALL BE SUPPORTED AS DETAILED AND/OR SPECIFIED. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED TO PROVIDE A VIBRATION-FREE, RIGID INSTALLATION.
16. PENETRATIONS OF WALLS OR FLOORS FOR THE PASSAGE OF PIPING OR OTHER EQUIPMENT SHALL BE PROPERLY SEALED AFTER INSTALLATION OF ITEMS AND EQUIPMENT.
17. PROVIDE UNIONS OR FLANGES AT PIPING CONNECTIONS TO EQUIPMENT TO ALLOW DISASSEMBLY FOR MAINTENANCE. ARRANGE PIPING TO ALLOW PULL SPACE FOR EQUIPMENT REMOVAL.
18. PROVIDE ESCUTCHEONS FOR EXPOSED PIPING PENETRATIONS INTO FINISHED ROOMS.
19. PIPING, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO ELECTRICAL SWITCHBOARDS, PANELBOARDS, DISTRIBUTION BOARDS, OR MOTOR CONTROL CENTERS SHALL NOT BE INSTALLED WITHIN THE REQUIRED SPACE FOR WORKING CLEARANCES OR DEDICATED SPACES OF THE ELECTRICAL EQUIPMENT, EXTENDING IN FRONT OF AND FROM FLOOR TO STRUCTURAL CEILING WITH A WIDTH AND DEPTH OF THE ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC-110.26.
20. A WATER-HAMMER ARRESTOR SHALL BE INSTALLED WHERE QUICK-CLOSING VALVES ARE UTILIZED. WATER-HAMMER ARRESTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. WATER-HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010.

LEGEND

SYMBOL	DESCRIPTION
	EXISTING FIXTURE / EQUIPMENT TO REMAIN.
	EXISTING FIXTURE / EQUIPMENT TO BE REMOVED.
	NEW FIXTURE / EQUIPMENT.
	EXISTING PIPING TO REMAIN.
	EXISTING PIPING TO BE REMOVED.
	NEW PIPING
SS	SANITARY SEWER (SS)
V	VENT (V)
	COLD WATER (CW)
	HOT WATER (HW)
	HOT WATER RETURN (HWR)
SD	STORM DRAIN
OSD	OVERFLOW STORM DRAIN

SYMBOL	DESCRIPTION
	BALL VALVE
	GATE VALVE
	CHECK VALVE
P-1	PLUMBING FIXTURE / EQUIPMENT DESIGNATION
FD	FLOOR DRAIN
RD	ROOF DRAIN
ORD	OVERFLOW ROOF DRAIN
SD	STORM DRAIN
VTR	VENT THRU ROOF
CO	CLEANOUT PLUG
FCO	FLOOR CLEANOUT
WCO	WALL CLEANOUT
COTG	CLEANOUT TO GRADE
DCOTG	DOUBLE CLEANOUT TO GRADE
1 / P301	RISER DESIGNATION
	CONNECT TO EXISTING.
	POINT OF DEMOLITION.
	REVISION DELTA

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LITTLE ROCK EYE CLINIC - WEST

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DATE

GENERAL NOTES AND LEGEND - PLUMBING

TITLE

P001

SHEET NO.

1 GROUND FLOOR PLAN - DOMESTIC WATER
1/8" = 1'-0"

GENERAL NOTES

1. SAMPLE TEXT...
2. SAMPLE TEXT...
3. SAMPLE TEXT...
4. SAMPLE TEXT...

KEYED NOTES

- SAMPLE TEXT...
- SAMPLE TEXT...
- SAMPLE TEXT...
- SAMPLE TEXT...

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FLOOR PLAN - DOMESTIC WATER
TITLE

P101
SHEET NO.

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GENERAL NOTES

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3. SAMPLE TEXT...
4. SAMPLE TEXT...

KEYED NOTES

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- SAMPLE TEXT...
- SAMPLE TEXT...
- SAMPLE TEXT...

1 GROUND FLOOR PLAN - SANITARY SEWER
1/8" = 1'-0"

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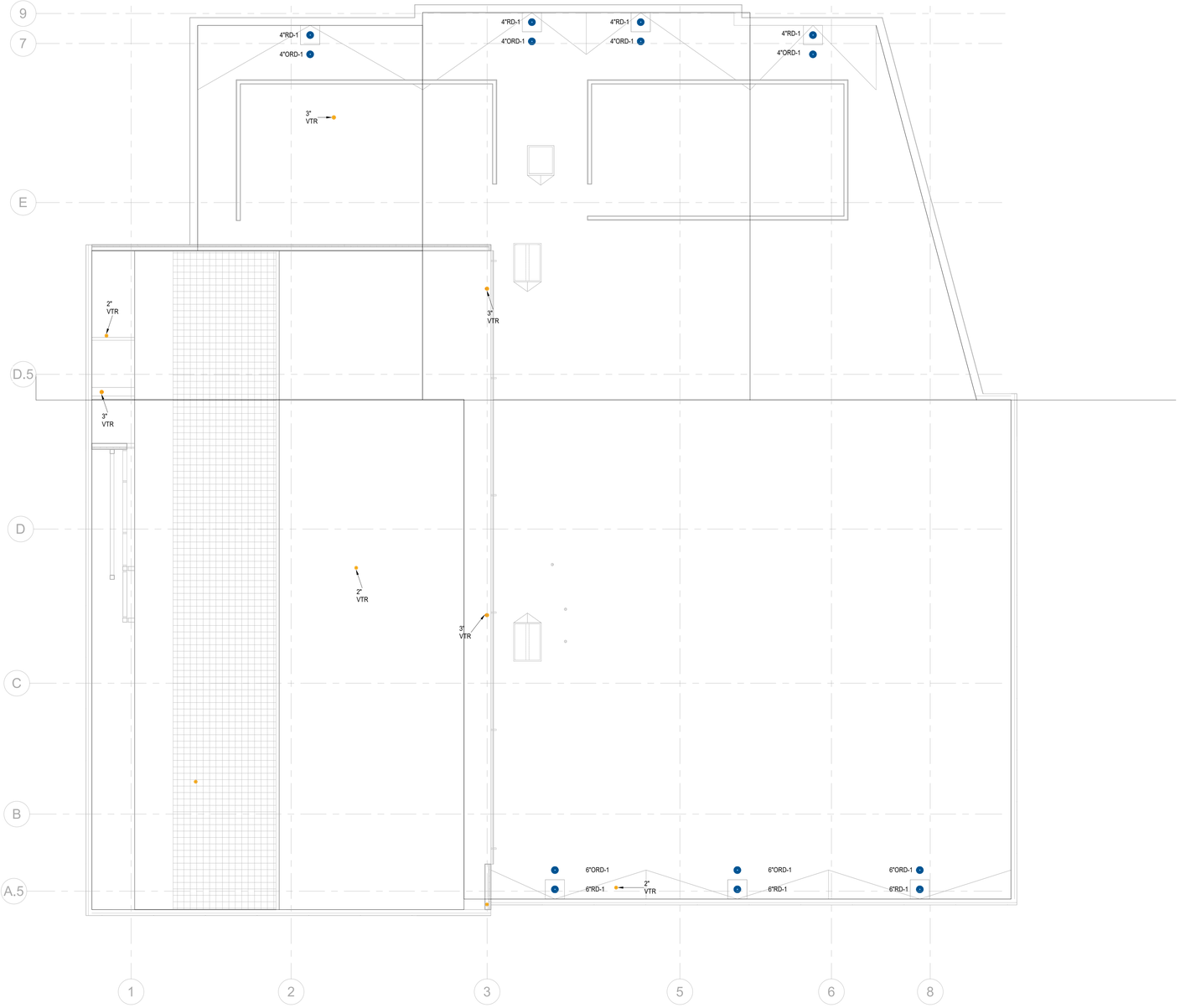
FLOOR PLAN - SANITARY SEWER
TITLE

P102
SHEET NO.



GENERAL NOTES

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2. SAMPLE TEXT...
3. SAMPLE TEXT...
4. SAMPLE TEXT...

KEYED NOTES

- SAMPLE TEXT...
- SAMPLE TEXT...
- SAMPLE TEXT...
- SAMPLE TEXT...

1 ROOF - PLUMB
1/8" = 1'-0"

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FLOOR PLAN - ROOF
TITLE

P103
SHEET NO.

Project Name
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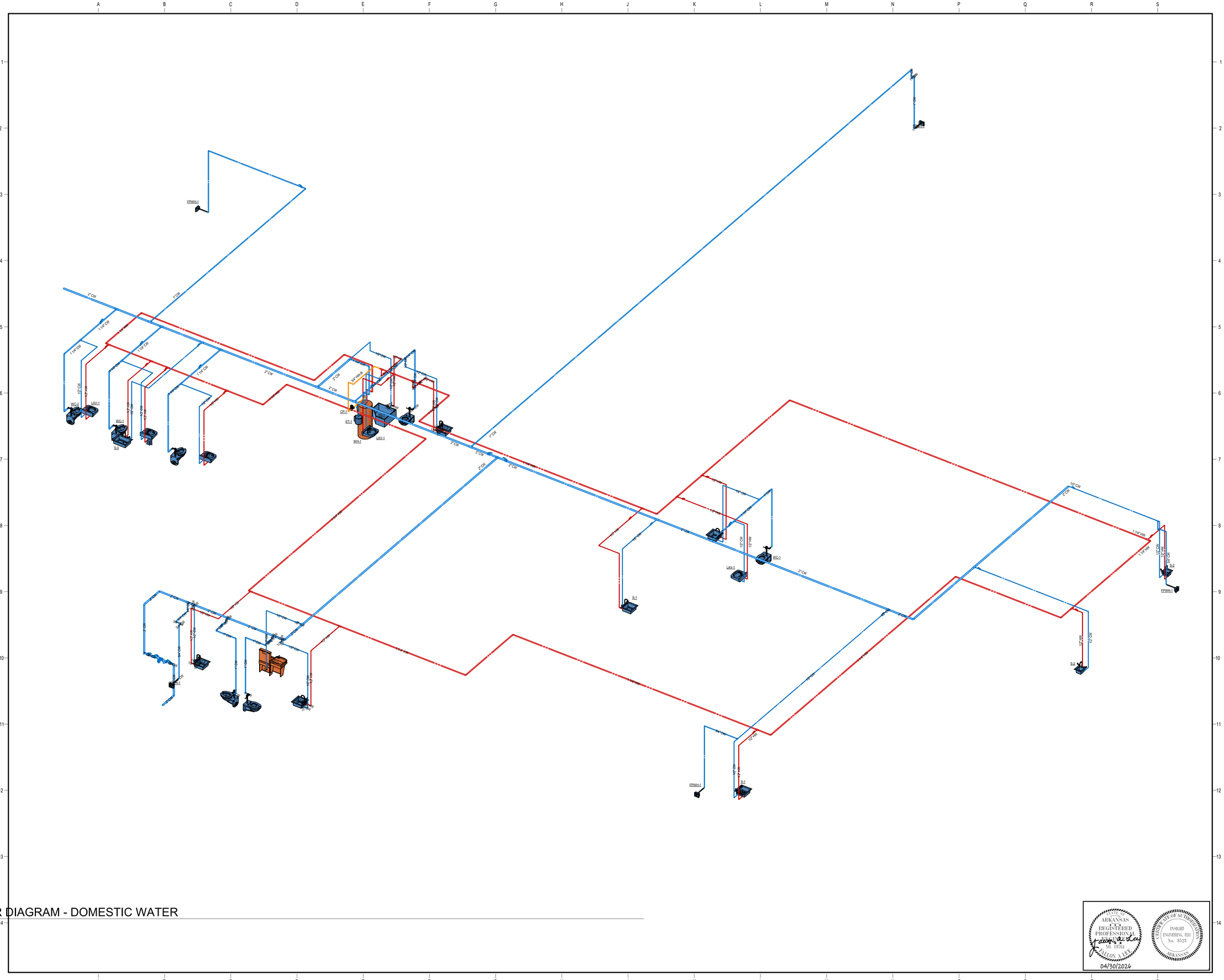

NG RISER DIAGRAM - DOMESTIC WATER

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ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 19764 JAMES A. LEE — 04/30/2026

STATE OF ARKANSAS CERTIFICATE OF AUTHORIZATION INSIGHT ENGINEERING, PLLC No. 15729

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RISER DIAGRAMS - PLUMBING

TITLE

P301

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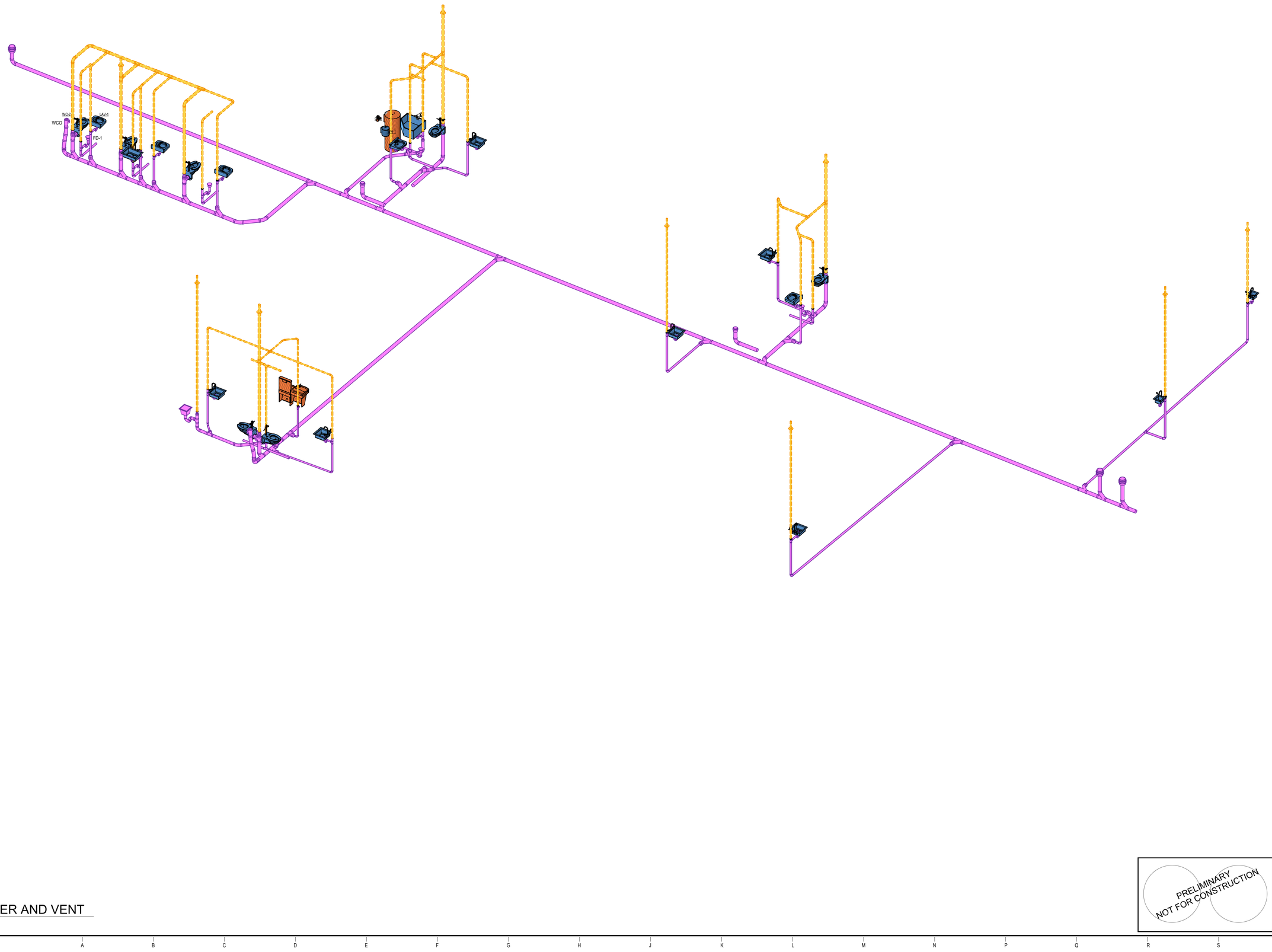

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RISER DIAGRAMS - PLUMBING

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P302

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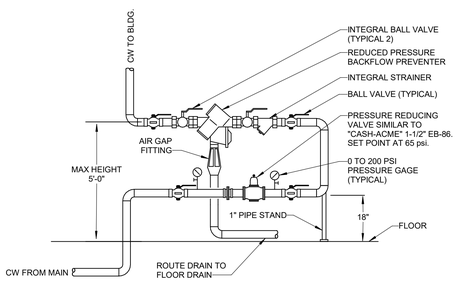

1 DOMESTIC WATER ENTRANCE DETAIL
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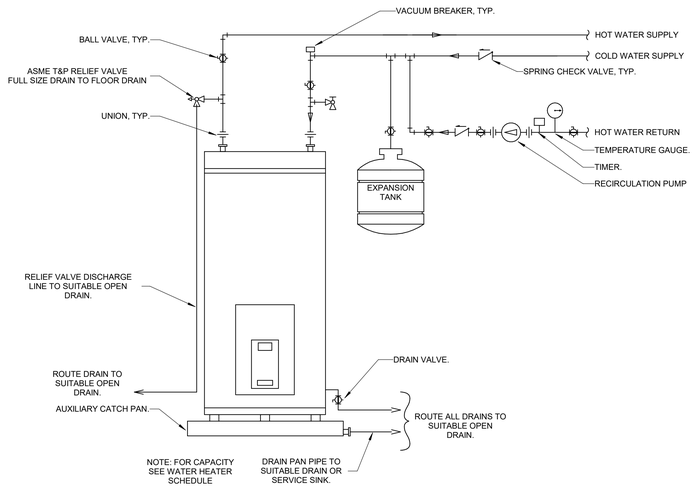

2 ELECTRIC WATER HEATER DETAIL
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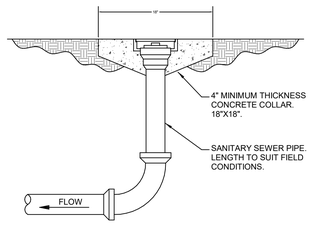
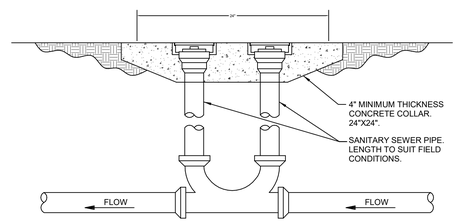


3 CLEANOUT TO GRADE
NOT TO SCALE:



4 DOUBLE CLEANOUT TO GRADE
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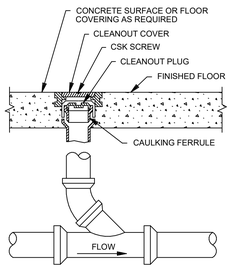

5 FLOOR CLEANOUT-FINISHED ROOMS
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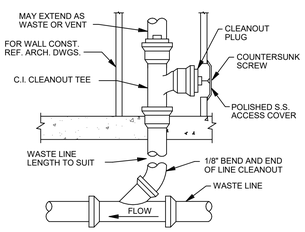

6 WALL CLEANOUT-FINISHED ROOMS
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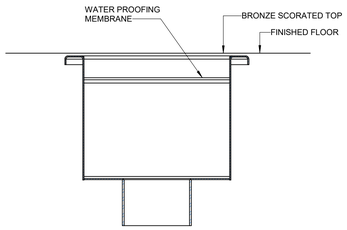
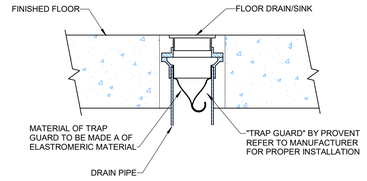


7 FLOOR SINK DETAIL
NOT TO SCALE:



8 TRAP-GUARD DETAIL
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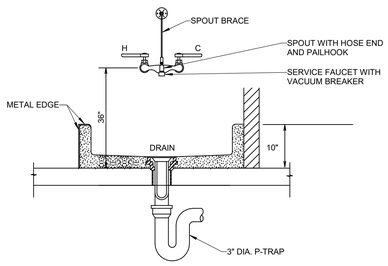
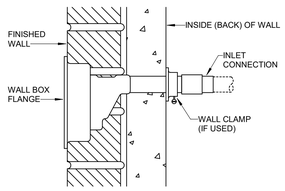
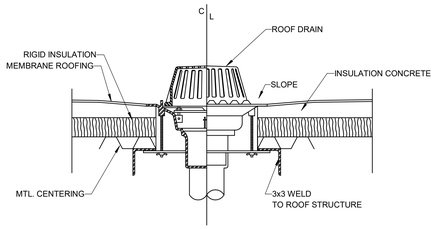


9 SERVICE SINK DETAIL
NOT TO SCALE:



10 FREEZEPROOF WALL HYDRANT DETAIL
NOT TO SCALE:



11 GRAVITY ROOF DRAIN DETAIL
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DETAILS - PLUMBING
TITLE

P401
SHEET NO.

Project Name
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PLUMBING FIXTURE SCHEDULE

DESIGNATION	FIXTURE TYPE	BASIS OF DESIGN		PIPE CONNECTION SIZE				TRAP	DESCRIPTION
		MANUFACTURER AND MODEL	ACCESSORIES	COLD	HOT	WASTE	VENT		
WC-1	WATER CLOSET ADA	AMERICAN STANDARD #3043.001, AMERICAN STANDARD 6068.161 SENSOR OPERATED FLUSH VALVE	AMERICAN STANDARD #5901.100 HEAVY DUTY OPEN FRONT LESS COVER SEAT, WADE CARRIER #330, ZURN Z8802-XL-Q-PC QUARTER TURN STOP	1"	-	4"	2"	INTEGRAL	WALL MOUNTED ADA WATER CLOSET, VITREOUS CHINA, INTEGRAL STOPS AND TRAP, SIPHON JET, 1-1/2" EXPOSED TOP SPUD FLUSH VALVE: 1.6 GPF, RUBBER DIAPHRAGM WITH DUAL FILTERED FIXED BYPASS; CHLORAMINE RESISTANT HANDLE PACKING, MAIN SEAT, STOP SEAT, AND VACUUM BREAKER; HARD WIRED POWER KIT
WC-2	WATER CLOSET	AMERICAN STANDARD #3043.001, AMERICAN STANDARD 6068.161 SENSOR OPERATED FLUSH VALVE	AMERICAN STANDARD #5901.100 HEAVY DUTY OPEN FRONT LESS COVER SEAT, WADE CARRIER #330, ZURN Z8802-XL-Q-PC QUARTER TURN STOP	1"	-	4"	2"	INTEGRAL	WALL MOUNTED WATER CLOSET, VITREOUS CHINA, INTEGRAL STOPS AND TRAP, SIPHON JET, 1-1/2" EXPOSED TOP SPUD FLUSH VALVE: 1.6 GPF, RUBBER DIAPHRAGM WITH DUAL FILTERED FIXED BYPASS; CHLORAMINE RESISTANT HANDLE PACKING, MAIN SEAT, STOP SEAT, AND VACUUM BREAKER; HARD WIRED POWER KIT
LAV-1	LAVATORY ADA	AMERICAN STANDARD LUCERNE WALL HUNG LAVATORY 0355.015, AMERICAN STANDARD PORTSMOUTH 7415.821.002 FAUCET	ZURN Z78700-PC TRAP, WALL CARRIER	1/2"	1/2"	2"	2"	1-1/4"	WALL HUNG LAVATORY ADA COMPLIANT, 20-1/2"x18-1/4"x6-1/2"H, VITREOUS CHINA, FRONT OVERFLOW, CHROME PLATED TRAP, FAUCET - CROSS HANDLE, 1.5 GPM, POP-UP DRAIN
LAV-2	LAVATORY ADA	KOHLER VERTICYL K-38380, AMERICAN STANDARD 7105.101.002	GRID STRAINER, CHROME PLATED STOPS AND TRAP	1/2"	1/2"	2"	2"	1-1/4"	UNDERMOUNT LAVATORY ADA COMPLIANT, 19-13/16"x15-5/8"x6-11/16"H, VITREOUS CHINA, FRONT OVERFLOW, GRID STRAINER, CHROME PLATED SUPPLY STOPS AND TRAP, FAUCET - 0.5 GPM, BELOW DECK THERMOSTATIC MIXING VALVE
LAV-3	LAVATORY ADA	INTEGRAL LAVATORY SINK BY ARCHITECT, AMERICAN STANDARD 7105.101.002	GRID STRAINER, CHROME PLATED STOPS AND TRAP	1/2"	1/2"	2"	2"	1-1/4"	INTEGRAL ADA COMPLIANT SINK PROVIDED WITH COUNTERTOP, GRID STRAINER, CHROME PLATED SUPPLY STOPS AND TRAP, FAUCET - 0.5 GPM, BELOW DECK THERMOSTATIC MIXING VALVE
EWC-1	ELECTRIC WATER COOLER	ELKAY LZSTLBWSMP-PF	120V/60Hz/1PH, 5.0 FLA	1/2"	-	2"	2"	1-1/4"	ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION, 8 GPH OF 50 DEG. F DRINKING WATER AT 90 DEG. F AMBIENT AND 80 DEG. F INLET WATER, PUSHBAR ACTIVATION, BOTTLE FILLING UNIT SHALL INCLUDE ELECTRONIC SENSOR FOR TOUCHLESS ACTIVATION WITH AUTO 20-SECOND SHUT-OFF TIMER, BOTTLE FILLER SHALL PROVIDE 1.1 GPM LAMINAR FLOW, MIDNIGHT BLACK VINYL CABINET, STAINLESS STEEL BASIN WITH INTEGRAL DRAIN, FLEXIBLE ANTI-MICROBIAL BUBBLER, UNIT SHALL MEET ADA GUIDELINES
S-1	SINGLE COMPARTMENT SINK	ELKAY LUSTERTON LRAD1918, DELTA FAUCET 4353-DST CHROME FINISH	MCGUIRE 151 BASKET STRAINER, DEARBORN BRASS P9704 TRAP, BRASSCRAFT G2CR19 SUPPLY STOP, BRASSCRAFT 649 5/8" ESCUTCHEON	1/2"	1/2"	3"	3"	1-1/2"	SINK -19"x18"x6-1/2"D, DROP IN SINGLE BOWL, 18 GAUGE, TYPE 304 STAINLESS STEEL, SELF RIMMING, TWO HOLE, FAUCET - 8" SINGLE HANDLE PULL OUT ADA COMPLIANT, 1.5 GPM, ROTATING SPOUT, TWO FUNCTION WAND WITH 53" HOSE
S-2	1-COMP SINK	ELKAY LUSTERTONE LFR1513, T&S BRASS #B-2866-05QT-V22	ZURN P-TRAP #Z8702-PC, ZURN SOLID STRAINER #Z8743-PC , ZURN STOPS #Z8804-XL-LR-PC,	1/2"	1/2"	2"	2"	1-1/2" P-TRAP	SINK - 13"x13"x7-5/8"D, 1 COMPARTMENT, COUNTER-TOP, SELF RIMMING, 18 GAUGE TYPE 304 STAINLESS STEEL, CENTER DRAIN OUTLET, FAUCET - 2.2 GPM, CHROME PLATED LEAD FREE, 5-3/4" GOOSENECK SWING SPOUT, DECK MTD, 4" WRIST BLADES, CONCEALED DUAL HOT/COLD SUPPLY, 8" FIXED CENTERS
S-3	SINGLE COMPARTMENT SINK	ELKAY LUSTERTON LRAD1918, DELTA FAUCET 4353-DST CHROME FINISH	MCGUIRE 151 BASKET STRAINER, DEARBORN BRASS P9704 TRAP, BRASSCRAFT G2CR19 SUPPLY STOP, BRASSCRAFT 649 5/8" ESCUTCHEON	1/2"	1/2"	3"	3"	1-1/2"	SINK -19"x18"x6-1/2"D, DROP IN SINGLE BOWL, 18 GAUGE, TYPE 304 STAINLESS STEEL, SELF RIMMING, TWO HOLE, FAUCET - 8" SINGLE HANDLE PULL OUT ADA COMPLIANT, 1.5 GPM, ROTATING SPOUT, TWO FUNCTION WAND WITH 53" HOSE
SS-1	SERVICE SINK	STERN WILLIAMS CRS-2200 SERVICE SINK, T&S BRASS B-0665-BSTR FAUCET	T-35 HOSE AND WALL HOOK, T-40 MOP HANGER	1/2"	1/2"	3"	2"	3"	SERVICE SINK- 28"x28"x12" FLOOR MOUNTED, PRE-CAST TERRAZO, STAINLESS STEEL CAPS, FAUCET - CHROME PLATED LEAD FREE, 6" WRIST BLADE CONTROLS, 3/4" HOSE THREADED OUTLET, COMPRESSION CARTRIDGES WITH SPRING CHECK VALVES, UPPER SUPPORT ROD
SB-1	ICEMAKER BOX	GUY GRAY BIM875	-	1/2"	-	-	-	-	11.62" X 9-1/2"X 3-1/2" 18 GAUGE STEEL ICEMAKER BOX WITH VALVE
FPWH-1	FREEZE PROOF HOSE BIBB	ZURN Z-1300 ECOLOTROL FREEZE PROOF WALL HYDRANT	-	3/4"	-	-	-	-	FREEZE PROOF HOSE BIBB WITH STAINLESS STEEL BOX AND COVER

PLUMBING SPECIALITIES SCHEDULE

DESIGNATION	FIXTURE	DESCRIPTION	SIZE	PIPE CONNECTION SIZE		
				COLD WATER	HOT WATER	TRAP
RPZ-1	REDUCED PRESSURE ZONE ASSEMBLY	APPOLO VALVE RPLF4A-218-44F - 2", LEAD FREE CAST BRASS, EASILY REMOVABLE MODULAR CHECK VALVE ASSEMBLIES, CAPTURED STAINLESS STEEL SPRINGS, BALL VALVE SHUT-OFFS W/ STAINLESS STEEL HANDLES AND UNIONS, WYE STRAINER INCLUDED, MODULAR RELIEF VALVE, 175 PSI MAX WORKING PRESSURE.	2"	2"	-	-
FD-1	FLOOR DRAIN	WADE 1100-A WITH CAST IRON BODY AND NICKEL BRONZE STRAINER.	AS NOTED	-	-	-
FS-1	FLOOR SINK	WADE 9110 WITH CAST IRON BODY, NICKEL BRONZE STRAINER AND SEDIMENT BUCKET	AS NOTED			
FCO	FLOOR CLEANOUT	WADE 6000-1 CAST IRON, GASKETED HUB OUTLET, THREADED ADJUSTABLE HOUSING, BRONZE PLUG, NICKEL BRONZE SCORIATED TOP, VANDAL-PROOF SCREWS.	AS NOTED	-	-	-
WCO	WALL CLEAN OUT	WADE 8304 WITH ROUND CHROME COVER PLATE AND FRAME, COUNTERSUNK SCREWS	AS NOTED	-	-	-
COTG	CLEANOUT TO GRADE	WADE 6000-12 GASKETED HUB OUTLET, THREADED ADJUSTABLE HOUSING, BRONZE PLUG, DURA-COATED CAST IRON TOP VANDAL-PROOF SCREWS.	AS NOTED	-	-	
DCOTG	DOUBLE CLEAN OUT	WADE #6000-12-S SERIES, SAME SIZE AS LINE, MAX 4", HEAVY DUTY CAST IRON, FERRFULE, THREADED ADJUSTABLE HOUSING, INTEGRAL CLAMPING COLLAR, ABS PLUG, 7-1/8" SQUARE HEAVY DUTY DUCTILE IRON TOP.	SAME AS PIPE SIZE	-	-	-
RD-1 / ORD-1	ROOF DRAIN	WADE 3041-42, CAST IRON DOME, STATIC EXTENSION, RECEIVER, 3" INTERNAL WATER DAM.	AS NOTED	-	-	

PLUMBING EQUIPMENT SCHEDULE

DESIGNATION	EQUIPMENT	BASIS OF DESIGN	ELECTRICAL	REMARKS
WH-1	WATER HEATER	AOSMITH: DRE-52-12	HARDWIRED, 12.3KW, 208 VOLT, THREE PHASE, 34 FLA	50 GALLON ELECTRIC WATER HEATER - 1-1/4" CW, 1-1/4" HW, DRAIN, (3) 4100 W HEATING ELEMENTS - SHALL BE WIRED TO OPERATE SIMULATENEOUSLY, 50 GPH @ 100°F, TANK TYPE, HIGH TEMP ENAMEL TANK LINING, MAGNESIUM ANODE ROD RIGIDLY SUPPORTED, 150 PSI WORKING PRESSURE RATING, COPPER RESISTORED SCREW IN ELEMENTS, HIGH LIMIT CONTROL, CSA/ASME RATED T&P RELIEF VALVE, UL SEAL OF CERTIFICATION, COMPLETELY FACTORY ASSEMBLED. 3 YEAR WARRANTY.
CP-1	CIRCULATING PUMP	TACO #009	HARDWIRED 1/8 HP, 1.4 A, 120V / 1 / 60	HOT WATER CIRCULATOR PUMP - 4 GPM @ 27' HD, 7"x4-1/8"x6-3/8", CAST IRON CASING, ALUMINUM STATOR HOUSING, STAINLESS STEEL CARTRIDGE, NON-METALLIC IMPELLER, CERAMIC SHAFT, CARBON BEARINGS, EPDM O-RINGS/GASKETS, SELF LUBRICATING, DIRECT DRIVE, REPLACEABLE CARTRIDGE DESIGN, NO MECHANICAL SEAL
ET-1	EXPANSION TANK	ZURN WTTA-5	_	_

WATER HAMMER ARRESTOR SCHEDULE

P.D.I. UNITS	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330

P.D.I.-WHA201"

APPROVED MANUFACTURERS:

1. ZURN, WADE, J.R. SMITH, JOSAM, MIFAB

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LITTLE ROCK EYE CLINIC - WEST

DESIGN DEVELOPMENT

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JOB NO.

04/30/2026
DATE

SCHEDULES - PLUMBING

TITLE

P501

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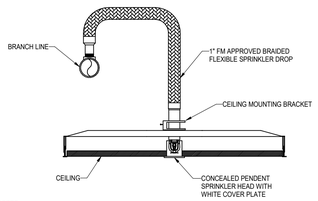
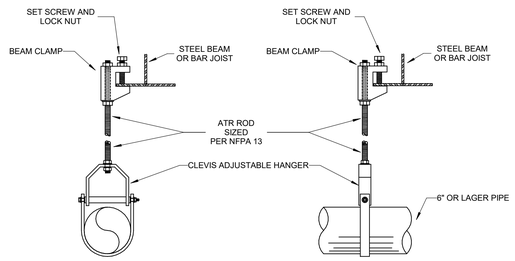


NOTES:

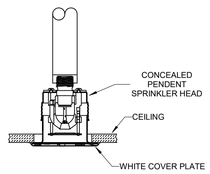
THIS INSTALLATION MAY BE USED IN LIEU OF THE HARD PIPE RETURN BEND INSTALLATION FOR SEISMIC, EASE OF INSTALLATION, TENANT FLEXIBILITY, OWNER, OR SPECIFIC SPRINKLER HEAD LOCATION REQUIREMENTS.

INCLUDE THE EQUIVALENT PIPE LENGTH AS SPECIFIED IN THE MANUFACTURER'S PRODUCT DATA SHEETS IN THE HYDRAULIC CALCULATION REPORTS.

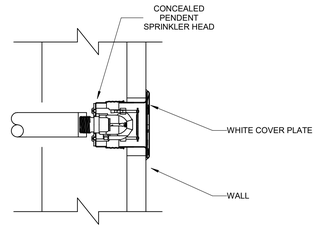
1 BRAIDED FLEXIBLE SPRINKLER DROP DETAIL
NOT TO SCALE



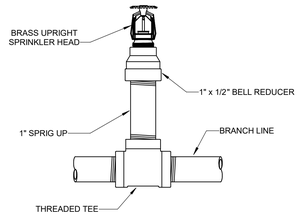
2 CLEVIS RING HANGER DETAIL
NOT TO SCALE



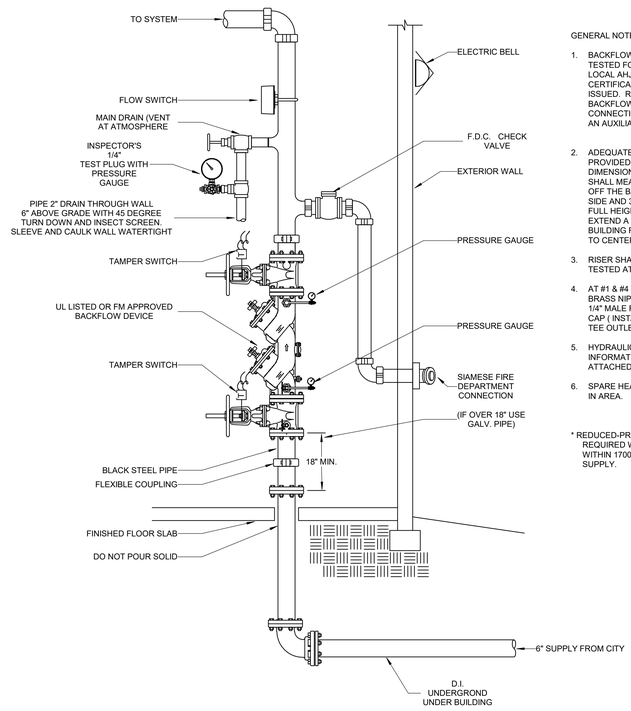
3 CONCEALED CEILING SPRINKLER HEAD DETAIL
NOT TO SCALE



4 CONCEALED SIDEWALL SPRINKLER HEAD DETAIL
NOT TO SCALE



5 UPRIGHT SPRINKLER HEAD ON 1" SPRIG DETAIL
NOT TO SCALE



GENERAL NOTES:

1. BACKFLOW PREVENTER SHALL BE TESTED FOR PROPER OPERATION PER LOCAL AHJ, BEFORE A TEMPORARY CERTIFICATE OF OCCUPANCY IS ISSUED. REDUCED-PRESSURE BACKFLOW REQUIRED WHEN F.D. CONNECTION IS WITHIN 1700 FEET OF AN AUXILIARY SUPPLY.
2. ADEQUATE CLEARANCE SHALL BE PROVIDED AROUND FIRE RISER. DIMENSIONS FROM FACE OF PIPE SHALL MEASURE A MINIMUM OF 12" OFF THE BACK WALL, 18" ON EACH SIDE AND 36" CLEAR IN FRONT WITH A FULL HEIGHT THE FIRE LINE SHALL EXTEND A MAXIMUM OF 3' INTO THE BUILDING FROM INSIDE FACE OF WALL TO CENTER OF PIPE.
3. RISER SHALL BE HYDROSTATICALLY TESTED AT 200 PSI FOR TWO HOURS.
4. AT #1 & #4 TEST PORTS INSTALL A 1/2" BRASS NIPPLE, TEE & PLUGS W/1/2" x 1/4" MALE FLARED CONNECTION W/ CAP (INSTALL PRESSURE GAUGE ON TEE OUTLET).
5. HYDRAULIC DESIGN AND SUMMARY INFORMATION PER NFPA SHALL BE ATTACHED TO RISER.
6. SPARE HEAD BOX SHALL BE MOUNTED IN AREA.

* REDUCED-PRESSURE BACKFLOW REQUIRED WHEN F.D. CONNECTION IS WITHIN 1700 FEET OF AN AUXILIARY SUPPLY.

6 SPRINKLER RISER (W/ WALL MOUNT FDC) DETAIL
NOT TO SCALE

FIRE PROTECTION GENERAL NOTES

1. PROVIDE THE ENGINEER OF RECORD WITH A PRELIMINARY PUNCH LIST AND DRAWING PRIOR TO COMPLETION OF CONSTRUCTION. ALL ITEMS NOTED SHALL BE ADDRESSED BY THE CONTRACTOR PRIOR TO REQUESTING PUNCH LIST BY THE ENGINEER OF RECORD.
2. ALL PIPE, DEVICES, AND INSTALLATION SHALL FULLY COMPLY WITH NFPA 13, AND ALL REQUIRED AUTHORITIES HAVING JURISDICTION.
3. COMPLY WHOLLY WITH THE REQUIREMENT TO INSTALL ALL PIPING WITHIN CONCEALED SPACES PROVIDED.
4. REFER TO NOTES ON DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. REFER TO STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR BUILDING DETAILS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR GENERAL RENOVATION ITEMS SUCH AS CEILINGS, WALLS AND AREAS OF WORK.
6. SPRINKLER COVERAGE NOT TO EXCEED 225 SQUARE FEET PER HEAD FOR LIGHT HAZARD/ HAZARD CATEGORY-1 AREAS. SPRINKLER COVERAGE NOT TO EXCEED 130 SQUARE FEET PER HEAD FOR ORDINARY HAZARD/ HAZARD CATEGORY-2 AREAS.
7. THOROUGHLY SURVEY THE PROPERTY AND REVIEW ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING (M.E.P.) CONDITIONS, EXISTING OR PLANNED, PRIOR TO BID. THERE IS VERY LIMITED SPACE AVAILABLE FOR PIPE ROUTING.
8. PROVIDE FIRE PROTECTION SHOP DRAWINGS WITH COMPLETE REFLECTED CEILING PLANS INDICATING LOCATION OF EACH SPRINKLER HEAD, AS WELL AS PIPING LAYOUTS, AND ROOM NAMES. PROVIDE ADDITIONAL SPRINKLER HEADS (OVER CODE MINIMUM), IF REQUESTED BY THE ARCHITECT, TO OBTAIN SYMMETRICAL CEILING LAYOUTS.
9. FIRE PROTECTION SYSTEM SHALL BE COMPLETE WITH SPRINKLER PIPING AND HEADS, ELECTRONIC SUPERVISION AND APPURTENANCES AS REQUIRED BY NFPA AND AUTHORITIES HAVING JURISDICTION. PIPE SIZING SHALL BE ESTABLISHED BY THE FIRE PROTECTION CONTRACTOR.
10. CONDUCT A COORDINATION MEETING WITH SUBCONTRACTORS TO ESTABLISH CLEARANCE REQUIREMENTS NEEDED FOR M.E.P. WORK PRIOR TO FABRICATION OF SPRINKLER SYSTEM. ANY RELOCATION OF FIRE SPRINKLER SYSTEM REQUIRED FOR PROPER INSTALLATION OF M.E.P. SYSTEMS IS AT THE CONTRACTOR'S EXPENSE.
11. BASE BID ON CAREFUL COORDINATION OF ARCHITECTURAL COMPONENTS, EXISTING AND NEW MECHANICAL DUCT, MECHANICAL AND PLUMBING PIPING, ELECTRICAL AND STRUCTURAL SYSTEMS IN THE BUILDING.
12. BASE HYDRAULIC CALCULATIONS ON A WATER FLOW TEST OBTAINED FROM THE CITY OF LITTLE ROCK. VERIFY FLOW TEST DATA WITH LOCAL AUTHORITIES. IF A CURRENT TEST IS NOT AVAILABLE, CONDUCT A PROPER FLOW TEST PRIOR TO PREPARATION OF SHOP DRAWINGS. PROVIDE A MINIMUM OF 10 PSI SAFETY FACTOR FOR ALL HYDRAULIC CALCULATIONS. PIPE SIZING INDICATED ON THE DRAWINGS IS FOR INFORMATIONAL PURPOSES ONLY. PIPE SIZING SHALL BE ESTABLISHED BY THE FIRE PROTECTION CONTRACTOR.
13. INTERFACE FIRE PROTECTION SYSTEM WITH THE BUILDING FIRE ALARM SYSTEM. REFER TO ELECTRICAL.
14. PROVIDE AND INSTALL ELECTRONIC SUPERVISION FOR ALL CONTROL VALVES.
15. PROVIDE SPECIAL CONSIDERATION TO AREAS **THROUGHOUT THE RENOVATED AREA** SUCH AS DROPPED SOFFITS, RAISED CEILINGS, FALSE BEAMS, AND LIGHTING SOFFITS THAT NECESSITATE ADDITIONAL SPRINKLER HEADS. REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLANS AND BUILDING DETAILS.
17. PROVIDE AND INSTALL QUICK RESPONSE SPRINKLERS FOR LIGHT HAZARD AND ORDINARY HAZARD AREAS, UNLESS OTHERWISE NOTED.
18. ALL NEW CEILING MOUNTED SPRINKLER HEADS SHALL BE CHROME PENDANTS WITH CHROME RECESSED ESCUTCHEONS, UNLESS NOTED OTHERWISE ON FIRE PROTECTION PLANS OR SPECIFICATIONS. EXERCISE CAUTION AROUND CEILING MOUNTED DEVICES OR OPERABLE DOORS. INSTALL CONCEALED SPRINKLERS AS NEEDED TO ELIMINATE SPRINKLERS BEING AN OBSTRUCTION ISSUE WITH OTHER EQUIPMENT.
19. ALL NEW WALL MOUNTED SPRINKLER HEADS SHALL BE CHROME HORIZONTAL SIDEWALLS WITH CHROME RECESSED ESCUTCHEONS, UNLESS NOTED OTHERWISE ON FIRE PROTECTION PLANS OR SPECIFICATIONS.
20. ALL NEW SPRINKLER HEADS INSTALLED IN EXPOSED STRUCTURE SHALL BE BRASS UPRIGHT, UNLESS NOTED OTHERWISE ON FIRE PROTECTION PLANS OR SPECIFICATIONS.
21. PROVIDE AND INSTALL ALL CEILING MOUNTED SPRINKLER HEADS IN THE CENTER OF CEILING TILES.
22. PROVIDE AUXILIARY DRAINS FOR ALL TRAPPED PIPING SECTIONS IN ACCORDANCE WITH NFPA 13.
23. INSTALL PIPING HORIZONTALLY AND AT RIGHT ANGLES TO WALLS AND CEILINGS.
24. ALL NEW GROOVED PIPING SHALL BE BLACK SCHEDULE 10 OR BLACK SCHEDULE 40 WITH GROOVED AND WELDED OUTLETS. FITTINGS AND COUPLINGS SHALL BE STANDARD GROOVED.
25. ALL NEW THREADED PIPING SHALL BE BLACK SCHEDULE 40. FITTINGS SHALL BE STANDARD "BLACK" GRADE.
26. DO NOT INSTALL ALTERNATIVE STEEL PIPE SCHEDULES ALLOWED BY NFPA 13.
27. PROVIDE PROTECTION FOR SPRINKLER HEADS IN AREAS WHERE THE CEILING AND SURROUNDING AREAS ARE TO BE PAINTED. REMOVE SPRINKLER PROTECTION AFTER PAINTING WORK IS COMPLETE. REPLACE, AT NO ADDITIONAL EXPENSE TO THE OWNER, ANY SPRINKLER HEAD WITH PAINT OR TEXTURE OVERSPRAY.
28. PROVIDE HEAD GUARDS ON ALL SPRINKLER HEADS AT OR BELOW AN ELEVATION OF 7'-0" AFF, OR THAT OTHERWISE MAY BE SUBJECT TO MECHANICAL DAMAGE, SUCH AS IN THE MECHANICAL ROOMS.
29. REPAIR ALL HOLES IN WALLS, FLOORS, AND CEILINGS AND MAINTAIN REQUIRED FIRE RATING OF WALL AND CEILINGS.
30. SEISMIC BRACING/ RESTRAINT IS NOT REQUIRED FOR THIS PROJECT.
31. FIRE PROTECTION PLANS SHALL BE SUBMITTED AND RECEIVED APPROVAL PRIOR TO FABRICATION BY AND ALL REQUIRED LOCAL AND STATE AUTHORITIES.

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LITTLE ROCK EYE CLINIC - WEST

DESIGN DEVELOPMENT

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GENERAL NOTES AND LEGEND - FIRE PROTECTION
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STAFF RR
STAFF RR
BUSINESS OFFICE
STORAGE
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LAB 1B
LAB 1C
LAB 1D
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