. THE CONTRACTOR SHALL VIEW ALL DRAWINGS, SPECIFICATIONS, ADDENDA, ETC. AND INFORM THE LANDSCAPE ARCHITEC

4. DETAILS ARE KEYED WITH ASSOCIATED NOTES. THE DETAILS ARE TYPICAL FOR SIMILAR LOCATIONS. THE

5. THE CONTRACTOR SHALL NOTIFY THE OWNER TEN (10) WORKING DAYS IN ADVANCE OF STARTING CONSTRUCTION AND SHALL COORDINATE NECESSARY INSPECTIONS THROUGHOUT FINAL APPROVAL AND OCCUPANCY

6. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES.

7. ANY DAMAGE TO EXISTING FACILITIES, ELEMENTS, FEATURES, AND IMPROVEMENTS, RESULTING FROM THE CONTRACTOR'S OPERATION, SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

8. CONTRACTOR SHALL EXPOSE, VERIFY, CONNECT AND MATCH EXISTING UTILITIES AND IMPROVEMENTS, IN CONFORMANCE WITH THE INTENT OF THESE PLANS AND SPECIFICATIONS, TO PROVIDE COMPLETE AND OPERATIONAL

9. DURING THE COURSE OF THE WORK, THE CONTRACTOR SHALL COORDINATE AND ACCOMMODATE OTHER CONTRACTORS OR OPERATIONS OF THE OWNER.

10. THE CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT, AND METHODS REQUIRED TO PREVENT HIS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO PROPERTY. CULTIVATED VEGETATION. DOMESTIC ANIMALS, AND CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM HIS OPERATIONS.

11. CONTRACTOR SHALL RESTRICT ALL OPERATIONS WITHIN THE PROJECT BOUNDARIES. ANY DISRUPTION TO LANDSCAPES, OUTSIDE OF PROJECT BOUNDARIES SHALL BE RESTORED BY THE CONTRACTOR AT NO COST TO THE

12. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT "UNDERGROUND LOCATE SERVICE" AT LEAST 48 BUSINESS-DAY HOURS PRIOR TO THE START OF CONSTRUCTION FOR THE LOCATION OF POWER, GAS, OIL, CABLE TV, DATA, AND TELEPHONE FACILITIES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR CONTRACTING THE APPROPRIATE PUBLIC AGENCY FOR THE LOCATION OF UNDERGROUND FACILITIES.

13. VERIFY IN FIELD (V.I.F.): IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY PORTIONS OF THE WORK PRIOR TO COMPLETION OF SUBMITTALS FOR FUTURE PORTIONS OF THE WORK. FAILURE TO FIELD VERIFY DIMENSIONS RESULTING IN NON-CONFORMING WORK SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

14. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH ORANGE CONSTRUCTION FENCING PLACED AT THE DRIPLINE OF CANOPY.

REQUIREMENTS IN DRAWINGS, SPECIFICATIONS, REGULATORY REQUIREMENTS, AND ADDENDA.

15. THE CONTRACT DOCUMENTS ARE COMPREHENSIVE AS A WHOLE AND THE CONTRACTOR SHALL COORDINATE ALL

16. CORRELATION AND INTENT OF CONTRACT DOCUMENTS:

17. THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK BY THE CONTRACTOR. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL; PERFORMANCE BY THE CONTRACTOR SHALL BE REQUIRED ONLY TO THE EXTENT CONSISTENT WITH THE CONTRACT DOCUMENTS AND REASONABLY INFERABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INDICATED RESULTS.

18. IF A CONFLICT, ERROR, OMISSION, OR LACK OF DETAILED DESCRIPTION IS DISCOVERED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND REQUEST CLARIFICATION. THE ARCHITECT WILL RESOLVE THE CONFLICT AND MAKE ANY CORRECTIONS OR INTERPRETATIONS NECESSARY TO FULFILL THE INTENT OF THE CONTRACT DOCUMENTS.

19. WHERE NOTES REFERENCE OTHER DISCIPLINES, SUCH AS: (RE:STRUCTURAL), (RE: CIVIL), (RE: LANDSCAPE), (RE: MEP), (RE: MECHANICAL), (RE: PLUMBING), (RE: ELECTRICAL), (RE: TECHNOLOGY), (RE: SECURITY), ETC., REFER TO ENGINEER'S DRAWINGS AND/OR SPECIFICATIONS FOR ADDITIONAL DETAILS AND INFORMATION. ITEMS SO NOTED ARE TO BE INCLUDED IN THE CONTRACT WHETHER OR NOT ENGINEER'S DRAWINGS AND SPECIFICATIONS CONTAIN ADDITIONAL INFORMATION OR REQUIREMENTS FOR EACH SPECIFIC ITEM NOTED. UPON FINDING A DISCREPENCY OR APPARENT LACK OF COORDINATING INFORMATION IN ENGINEER'S DRAWINGS OR SPECIFICATIONS. CONTRACTOR SHALL REQUEST ADDITIONAL INFORMATION FROM ARCHITECT IN ADVANCE TO AVOID COST OR TIME IMPACT.



48 HOUR NOTICE

CONTRACTOR SHALL NOTIFY THE CITY PRIOR TO COMMENCING CONSTRUCTION AND/OR BACKFILLING ANY UTILITIES. CONTRACTOR(S) TO CONTACT THE PUBLIC REVIEW DEPARTMENT.

ABIGAIL ARIAS PARK

301 CEMETERY ROAD ANGLETON TEXAS, 77515

10/14/2025

INDEX OF DRAWINGS

SHEET NO.	SHEET NAME	SHEET NO.	SH
01 - GENERA	<u>.L</u>		
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CVR	COVER		
16266 TOPO	SURVEY	S0.01	GE
G1.01	TREE PRESERVATION PLAN	S1.01	FO
G1.21	TREE PRESERVATION DETAILS AND NOTES	S1.02	RC
		S2.10	GE
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03 - LANDSC	APE ARCHITECTURE		

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04 - ARCHITECTURE

ARCHITECTURE COVER
CODE ANALYSIS & LIFE SAFETY PLAN
FLOOR PLAN
ROOF PLAN AND RCP PLAN
BUILDING ELEVATIONS
BUILDING SECTIONS
BUILDING SECTIONS
INTERIOR ELEVATIONS
SECTION DETAILS
SECTION DETAILS
SECTION DETAILS
PERSPECTIVES
SCHEDULES
TYPICAL DIAGRAMS & RR ACCESSORY SCHEDULE

SHEET NAME

5 - STRUCTURA	AL ENGINEERING	
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20.04	OFNEDAL MOTEO	

GENERAL NOTES FOUNDATION PLAN ROOF FRAMING PLAN GENERAL FRAMING SECTIONS TYPICAL FOUNDATION DETAILS FOUNDATION TYPICAL DETAILS TYPICAL FOUNDATION DETAILS OUNDATION DETAILS ROOF FRAMING DETAIL TYPICAL MASONRY DETAILS

<u>06 - MEP</u>

E0.01 ELECTRICAL SYMBOL LEGEND M0.01 MECHANICAL SYMBOL LEGEND P0.01 PLUMBING SYMBOL LEGEND EP0.21 **EP SITE PLAN** T0.01 TECHNOLOGY SYMBOL LEGEND

PROJECT TEAM

OWNER CITY OF ANGLETON JASON O'MARA **PHONE**: (979) 849-4364 **EMAIL:** JOMARA@ANGLETON.TX.US

LANDSCAPE ARCHITECTURE

BURDITT CONSULTANTS CLAUDIA WALKER, RLA, ASLA, CPSI **PHONE**: 936-756-3041 **EMAIL:** CWALKER@BURDITT.COM **ADDRESS:** 310 LONGMIRE ROAD CONROE, TX 77304

CIVIL ENGINEERING

MPCE, LLC MICHELLE PATTON, ENGINEER, PE, CFM **PHONE:** (713) 376-7085 **EMAIL:** michelle.patton@mpce-tx.com **ADDRESS**: 20333 STATE HIGHWAY 249 SUITE 200 HOUSTON, TX 77070

ARCHITECTURE

BURDITT CONSULTANTS MARK F. GOULAS, AIA **PHONE**: 936-756-3041 **EMAIL**: MGOULAS@BURDITT.COM **ADDRESS**: 310 LONGMIRE ROAD CONROE, TX 77304

ELECTRICAL ENGINEERING

DBR Engineering Consultants, Inc. BRENT MOE, PARTNER, PE **PHONE:** (713) 914-0888 EMAIL: BMoe@dbrinc.com ADDRESS: 9990 Richmond Avenue, South Building, Suite 300 Houston, TX 77042

Conroe, TX 77304

Tel: 936.756.3041 THIS PROJECT & THE IDEAS

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CONSTRUCTION **DOCUMENT**

CLAUDIA T. WALKER, RLA

CEMETER

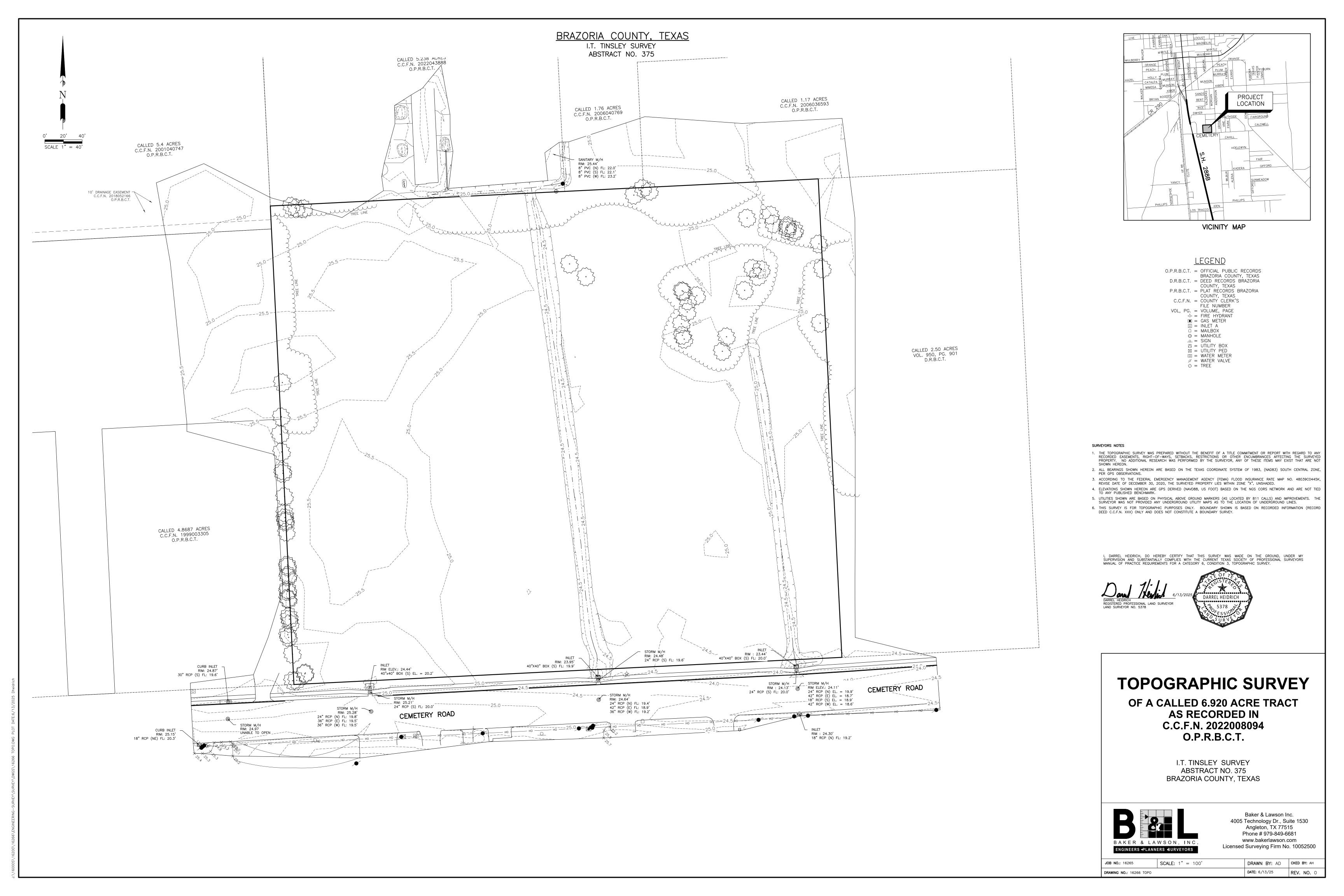
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DIMENSIONAL INFORMATION. DESIGNER | PDK, CTW DRAWER | PDK CHECKER | CTW

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COVER







BURDITT Land | Place

310 Longmire Road Conroe, TX 77304 Tel: 936.756.3041

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10/14/2025

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TREE PRESERVATION

TREE PRESERVATION NOTES

- 1. VEHICLES AND EQUIPMENT SHALL NOT BE DRIVEN, PARKED, OR USED TO STORE EXCAVATED OR CONSTRUCTION MATERIALS WITHIN AREAS ENCLOSED BY TREE PROTECTION FENCING OR BENEATH THE CANOPY (DRIP LINE) OF
- 2. IF ACCESS WITHIN A TREE'S CANOPY AREA IS NECESSARY FOR SPECIFIC TASKS, EQUIPMENT MAY BE USED CAUTIOUSLY. CARE MUST BE TAKEN TO AVOID HARMING TRUNKS, BRANCHES, OR ROOT ZONES.
- 3. TREES DESIGNATED FOR RETENTION SHALL BE IRRIGATED AS NEEDED THROUGHOUT THE CONSTRUCTION PERIOD TO PROMOTE CONTINUED HEALTHY GROWTH.
- 4. ROOTS MUST BE SAFEGUARDED FROM HARM CAUSED BY GRADING OR SOIL REMOVAL. ANY EXCAVATION OR
- GRADING WITHIN THE DRIP LINE OF A TREE MUST BE PERFORMED MANUALLY USING HAND TOOLS. 5. TAKE PRECAUTIONS TO ENSURE TREE ROOTS ARE NOT EXPOSED TO HARMFUL CHEMICALS OR MATERIALS.
- PREVENT CONTAMINATION FROM RUNOFF, SPILLS DURING MATERIAL MIXING OR PLACEMENT, AND DRAINAGE FROM
- 6. TREE PROTECTION BARRIERS MUST BE INSTALLED BEFORE CONSTRUCTION BEGINS AND REMAIN SECURELY IN PLACE UNTIL ALL SITE WORK IS FINISHED. BARRIERS SHOULD BE KEPT IN GOOD REPAIR THROUGHOUT THE
- 7. ALL PRUNING MUST BE APPROVED AND DIRECTED BY THE OWNER'S DESIGNATED REPRESENTATIVE. REMOVE DEAD BRANCHES AND DEBRIS FROM THE SITE AS PART OF SITE CLEANUP.
- 8. CONTRACTORS MUST MEET WITH THE URBAN FORESTER OR OWNER'S REP TO REVIEW TREE PRESERVATION PLANS BEFORE STARTING WORK.
- 9. NO SITE WORK IS ALLOWED UNTIL TREE PROTECTION MEASURES ARE IN PLACE AND APPROVED.
- 10. TREE PROTECTION INSTALLATIONS MUST BE REVIEWED BEFORE AND AFTER SETUP.
- 11. CONTRACTOR IS RESPONSIBLE FOR FOLLOWING AND MAINTAINING THE TREE PRESERVATION PLAN.
- 12. DO NOT ACCESS FENCED TREE PROTECTION AREAS WITHOUT PRIOR APPROVAL
- 13. COVER EXPOSED ROOTS WITH SOIL OR PLASTIC TO PREVENT DRYING.
- 14. LIMIT EXCAVATION IN TREE ZONES TO 2' DEPTH, AVOID CUTTING ROOTS OVER 1/2", AND USE HAND TOOLS WHEN
- 15. DAMAGE TO PRESERVED TREES MUST BE ASSESSED AND COMPENSATED BY THE CONTRACTOR.
- 16. APPROVED FERTILIZER AND MYCORRHIZAL TREATMENTS ARE REQUIRED; ALTERNATIVES MUST BE APPROVED BY
- OWNER. 17. TREE FENCING MUST MEET SPECIFIED HEIGHT, GAUGE, AND SPACING; INSTALL PRIOR TO WORK
- 18. MULCH SHOULD BE SITE-GENERATED OR FIRST-RUN; ORGANIC MATERIALS PREFERRED.
- 19. ONLY DESIGNATED TREES MAY BE PRUNED, AND ALL PRUNING MUST MEET ANSI STANDARDS.
- 20. DEADWOOD, STUBS OVER 1", AND HAZARD LIMBS MUST BE REMOVED.
- 21. OAK PRUNING DURING SPRING MONTHS REQUIRES APPROVED PAINT ON CUTS.
- 22. REMOVE ALL WOOD AND DEBRIS FROM PRUNING ACTIVITIES IMMEDIATELY.
- 23. COMPRESSED AIR TRENCHING MUST FOLLOW MARKED ZONES AND DEPTH LIMITS.
- 24. ALL ROOT ZONES 1.5" OR LARGER MUST BE PRESERVED; TRENCH CAREFULLY AND BACKFILL IMMEDIATELY.
- 25. UTILITY BORING MUST AVOID ROOT ZONES; BORE PITS MUST STAY OUTSIDE CRITICAL ROOT AREAS. 26. INSTALL VERTICAL WOOD PLANKS AROUND TRUNKS WHERE NEEDED FOR PROTECTION.
- 27. NEW SIDEWALKS IN TREE ZONES MUST BE ON-GRADE, WITH NO ROOT CUTTING OR STABILIZED SAND BASE.

DEMOLITION NOTES

(DRIP LINE) OF EXISTING TREES.

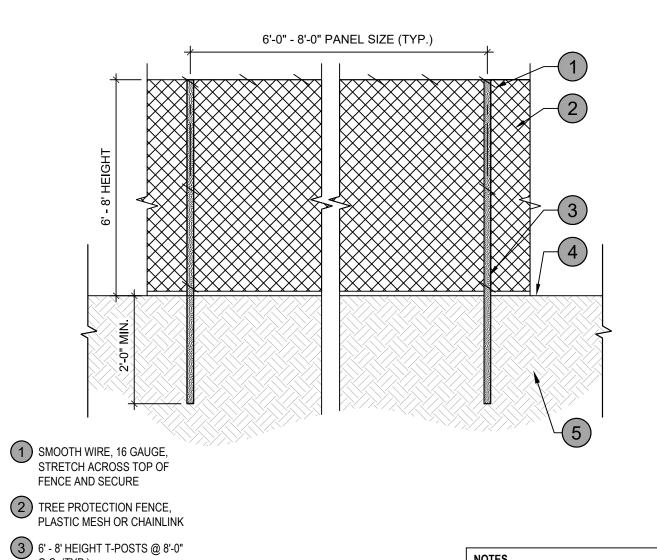
- 1. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING PROTECTIVE MEASURES TO SAFEGUARD ALL DESIGNATED EXISTING TREES ON THE SITE. 2. STAGING OF EQUIPMENT, PARKING OF VEHICLES, OR MATERIAL STORAGE IS PROHIBITED BENEATH THE CANOPY
- 3. ONGOING UPKEEP SHALL BE PROVIDED IN ACTIVE WORK ZONES TO MAINTAIN SITE CONDITIONS DURING CONSTRUCTION.
- 4. TREES MARKED FOR MANUAL REMOVAL, AS SHOWN ON THE TREE PRESERVATION PLAN, WILL BE IDENTIFIED WITH AN "X" BY THE URBAN FORESTER OR THE OWNER'S REPRESENTATIVE.
- 5. TREE REMOVALS MUST BE CARRIED OUT BY A CERTIFIED ARBORIST WITH APPROPRIATE QUALIFICATIONS. 6. ALL TREE-RELATED DEBRIS AND CUT WOOD SHALL BE PROMPTLY CLEARED FROM THE SITE AND DISPOSED OF IN
- ACCORDANCE WITH LOCAL REGULATIONS.
- 7. TREE STUMPS ARE TO BE GROUND TO A DEPTH OF 12 INCHES (1'-0") BELOW THE FINAL GRADE ELEVATION.
- 8. SHOULD ANY PRESERVATION TREES SUSTAIN INJURY DURING REMOVAL ACTIVITIES, NECESSARY CORRECTIVE ACTIONS MUST BE TAKEN TO RESTORE THEIR CONDITION.
- 9. ANY DAMAGE TO SITE GRADES OR TURF AREAS RESULTING FROM DEMOLITION WORK MUST BE REPAIRED AND
- RESTORED TO ORIGINAL OR BETTER CONDITION.

2 FINISH GRADE (3) SECURE BOARDS WITH 10

GAUGE WIRE STAPLED TO BOARDS. DO NOT ATTACH BOARDS TO TREE

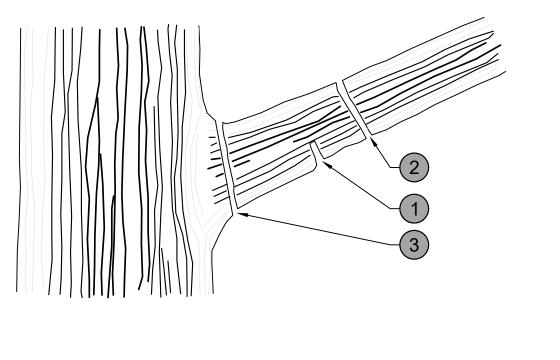
4 INSTALL 2" X 4" BOARDS SPACED EQUALLY AROUND CIRCUMFERENCE OF TREE OVER BURLAP

(5) WRAP TREE WITH SEVERAL LAYERS OF BURLAP TO CUSHION TREE BARK FROM 1. IN SITUATIONS WHERE A PROTECTED TREE REMAINS IN THE IMMEDIATE AREA OF INTENDED CONSTRUCTION, AND THE TREE MAY BE IN DANGER OF BEING DAMAGED BY CONSTRUCTION EQUIPMENT OR OTHER ACTIVITY. THE CONTRACTOR OR SUBCONTRACTOR SHALL PROTECT THE TREE WITH 2" X 4" LUMBER ENCIRCLED WITH WIRE OR OTHER MEANS THAT DO NOT DAMAGE THE TREE. THE INTENT IS TO PROTECT THE TRUNK OF THE TREE AGAINST INCIDENTAL CONTACT BY LARGE CONSTRUCTION EQUIPMENT.



1. TREE PROTECTION FENCING SHALL BE INSTALLED AROUND THE TREE AT THE DRIP LINE, (TYP.), AS SPECIFIED PER NOTES AND PLAN.

TREE PROTECTION FENCE - PLASTIC MESH



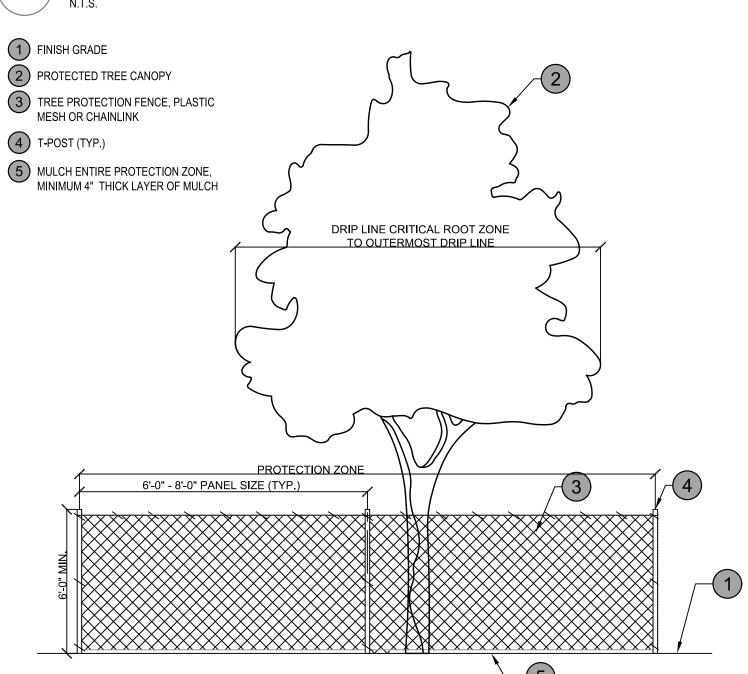
1 MAKE A PARTIAL CUT FROM BENEATH AT A POINT SEVERAL INCHES AWAY FROM THE TRUNK.

(2) MAKE A SECOND CUT SEVERAL INCHES OUT AND ABOVE THE FIRST CUT TO ALLOW THE LIMB TO FALL SAFELY.

3 COMPLETE THE JOB WITH FINAL CUT JUST OUTSIDE THE BRANCH COLLAR, THE RAISED AREA THAT SURROUNDS THE BRANCH WHERE IT JOINS THE TRUNK.

WITHOUT HAVING A TREE PERMIT APPROVED BY THE LANDSCAPE ADMINISTRATOR. IF THE LANDSCAPE ADMINISTRATOR DETERMINES THAT TOPPING THE TREE IS NECESSARY BECAUSE THE TREE HAS BEEN SEVERELY DAMAGED BY STORMS OR OTHER CAUSES, OR IS IN A CIRCUMSTANCE WHICH MAKES OTHER PRUNING PRACTICES IMPRACTICAL, THE LANDSCAPE ADMINISTRATOR MAY ISSUE A

1. IT SHALL BE UNLAWFUL FOR ANY PERSON TO TOP ANY TREE TREE PERMIT ALLOWING TOPPING OF THE TREE.



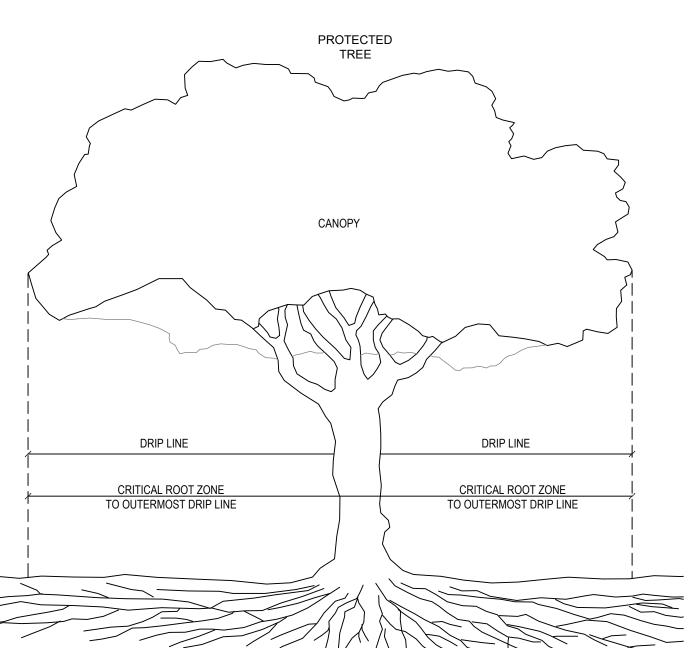
TREE PROTECTION FENCING ELEVATION

1 DRIP LINE

2 TRENCH 40% ROOT KILL (3) PROTECTED TREE (4) CRITICAL ROOTS (5) BORING (6) SUBGRADE

BORING OF UTILITIES UNDER PROTECTED TREES SHALL BE REQUIRED IN THOSE CIRCUMSTANCES WHERE IT IS NOT POSSIBLE TO TRENCH AROUND THE CRITICAL ROOT ZONE OF THE PROTECTED TREE. WHEN REQUIRED, THE LENGTH OF THE BORE SHALL BE THE WIDTH OF THE CRITICAL ROOT ZONE AT A MINIMUM AND SHALL BE A MINIMUM DEPTH OF 48 INCHES.

BORING AND TUNNELING



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ROAD

ISSUANCE:

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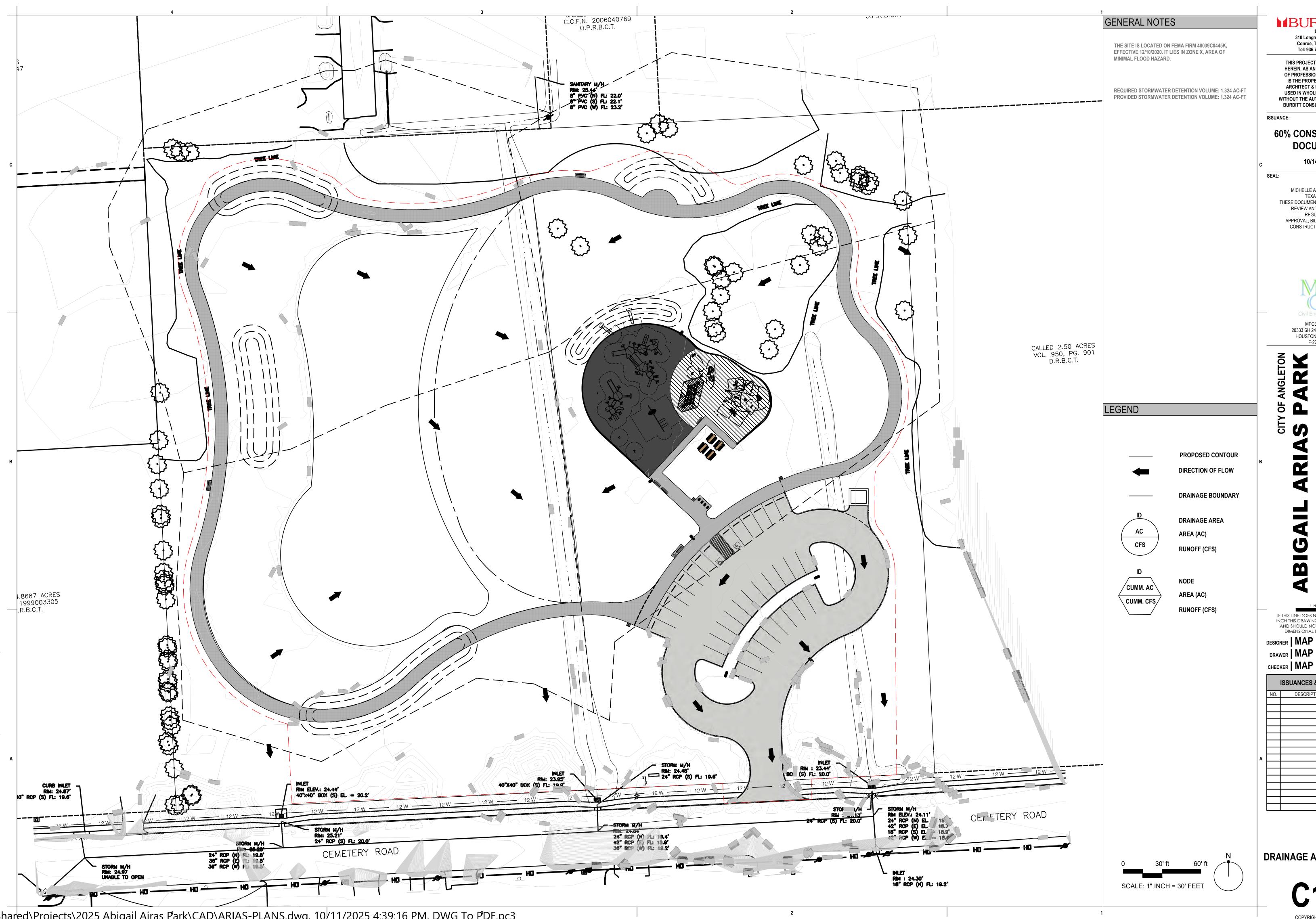
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TREE PRESERVATION **DETAILS AND NOTES**

TREE PRESERVATION GENERAL NOTES

O.C. (TYP.) 4 FINISH GRADE 5 UNDISTURBED SOIL





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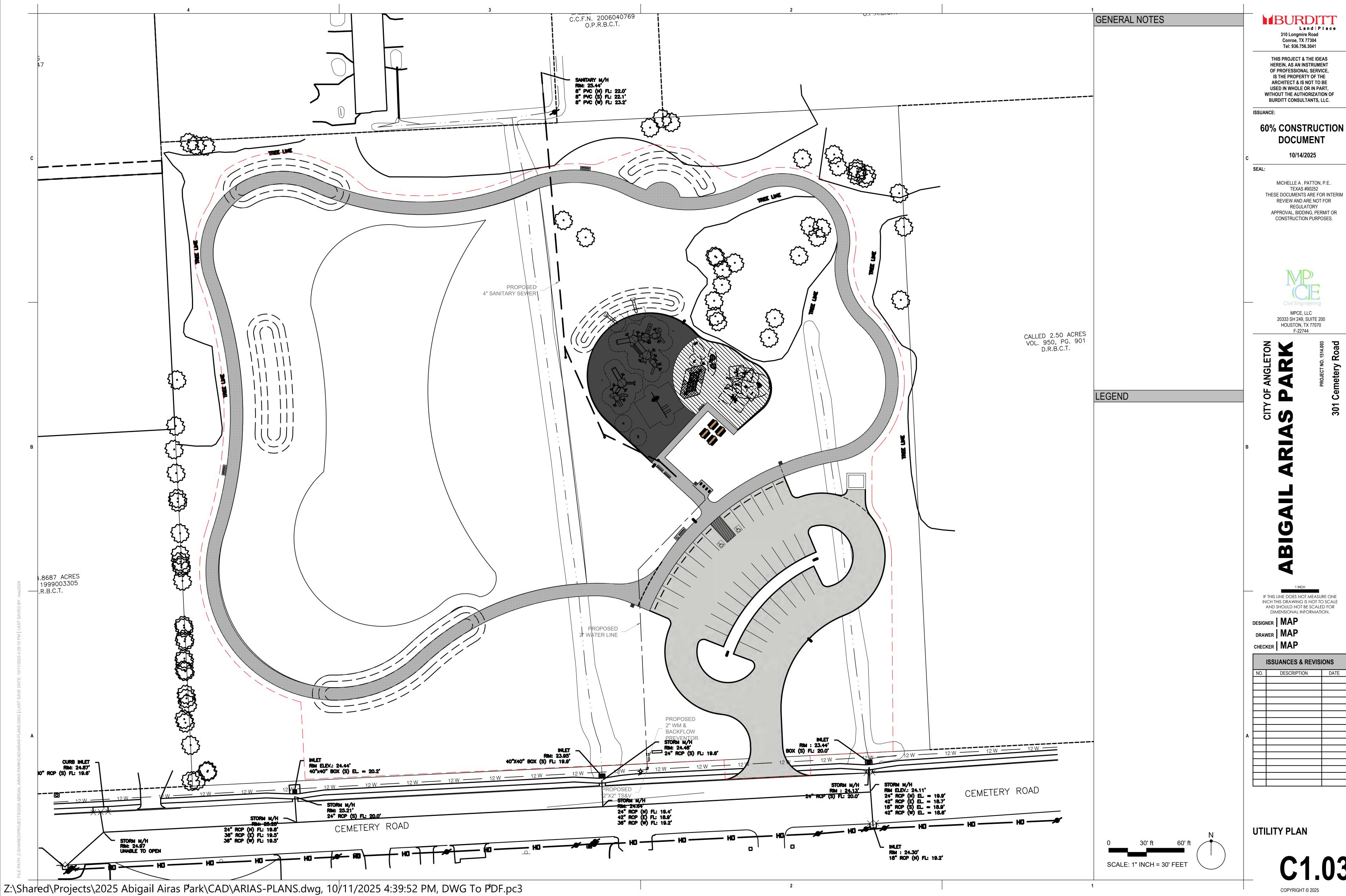
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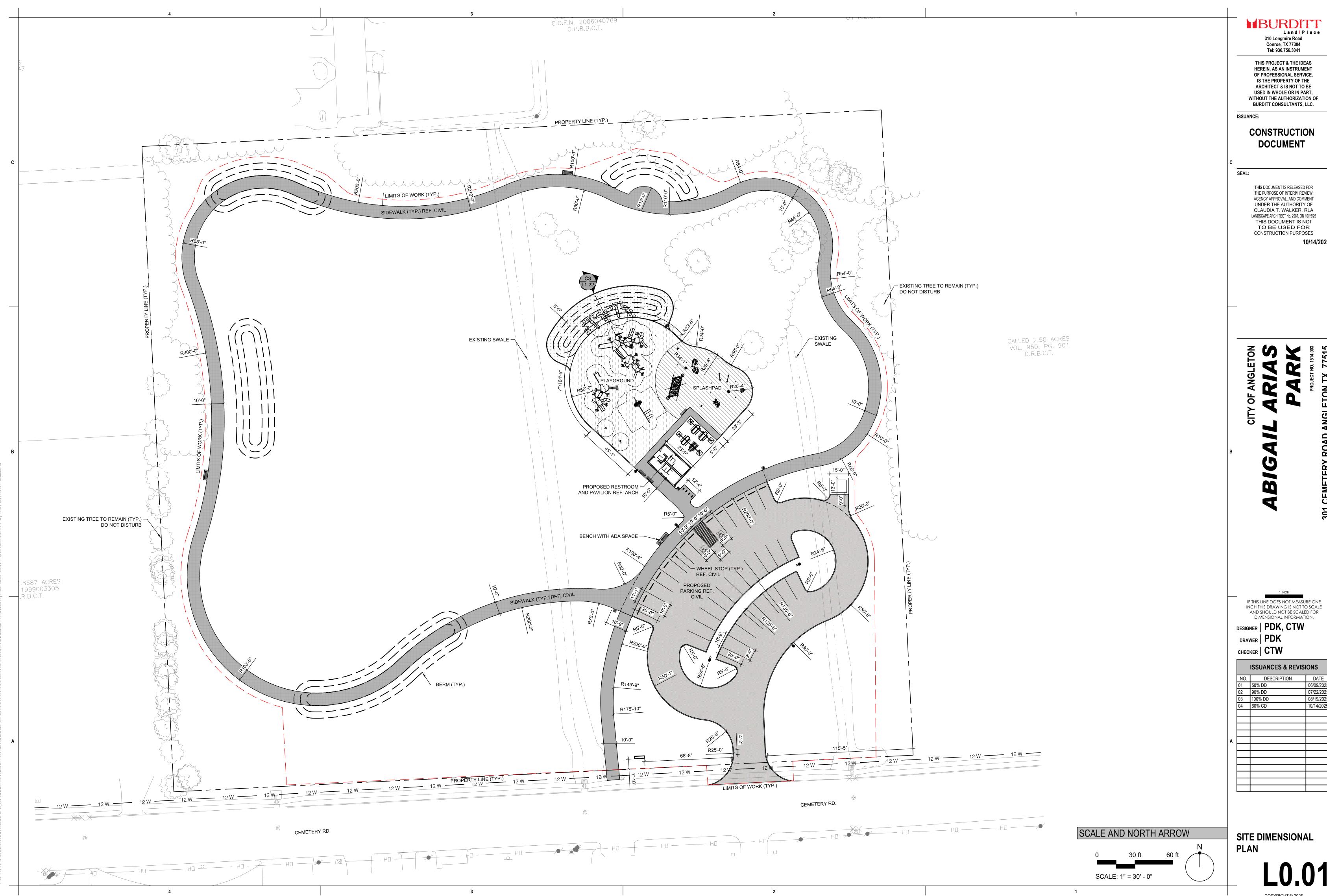
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DRAINAGE AREA MAP

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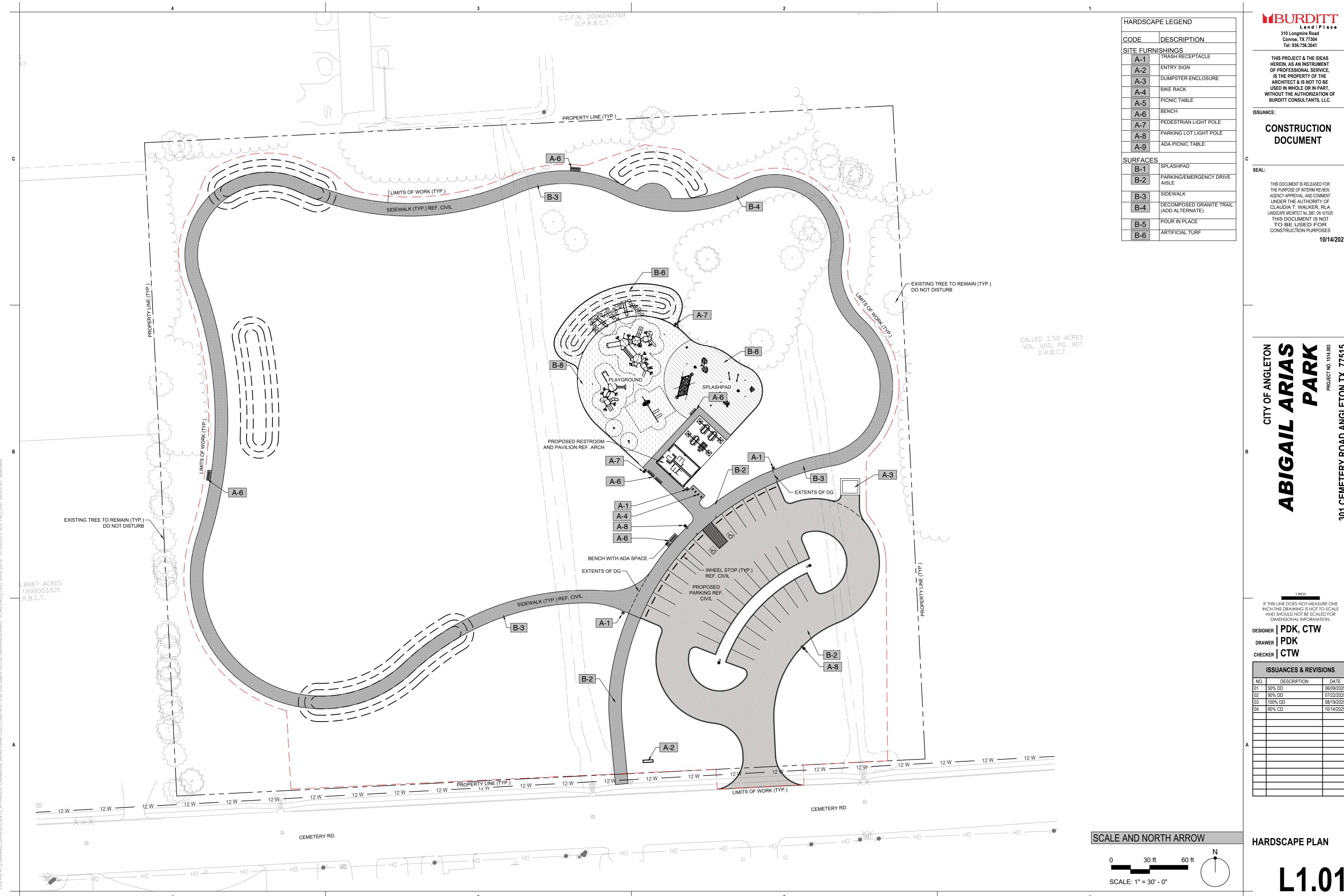
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HARDSCAPE PLAN



	LOONEDOL								
SYMBOL	CODE	DESCRIPTION	QTY	DETAIL	MANUFACTURER	MODEL	FINISH/COLOR	CONTACT	REMARKS
SITE FURN	<u>ISHINGS</u>	T== = - =		1=				T	
	A-1	TRASH RECEPTACLE	3	B4/L1.21	BARCO PRODUCTS	CASSIDY RECEPTACLE/ 32 GAL. RAIN BONNET LID RECEPTACLE (08CL1425)	GALVANIZED STEEL/BLACK ONYX	EMAIL: SALES@BARCOPPRODUCTS.COM PHONE: (800) 338-2697	INSTALL PER MANUFACTURER'S RECOMENDATIONS. PROVIDE CUTCHEET FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALATION.
	A-2	ENTRY SIGN	1	A2/L1.21	COAST SIGNS	-	REF. DETAIL	-	OWNER FURNISHED OWNER INSTALLED
	A-3	DUMPSTER ENCLOSURE	1	A2/L1.23	-	-	-	-	-
	A-4	BIKE RACK	4	C3/L1.21	MADRAX	METRO BIKE RACK	GALVANIZED	MADRAX.COM	INSTALL PER MANUFACTURER'S RECOMENDATIONS. PROVIDE CUTCHEET FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALATION.
	A-5	PICNIC TABLE	3	B3/L1.21	BARCO PRODUCTS	WESTIN RECYCLED PLASTIC TABLE (8`-0" FOOT LENGTH) STANDARD MODEL (PT-76)	TABLE COLOR: BROWN FRAME COLOR: BLACK	EMAIL: SALES@BARCOPPRODUCTS.COM PHONE: (800) 338-2697	INSTALL PER MANUFACTURER'S RECOMENDATIONS. PROVIDE CUTCHEET FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALATION.
	A-6	BENCH	6	A4/L1.21	BARCO PRODUCTS	SILHOUETTE BENCH (6`-0" FOOT LENGTH)	FINISH: PREMIUM WOOD GRAIN MATERIAL: RECYCLED PLASTIC	EMAIL: SALES@BARCOPPRODUCTS.COM PHONE: (800) 338-2697	INSTALL PER MANUFACTURER'S RECOMENDATIONS. PROVIDE CUTCHEET FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALATION.
	A-7	PEDESTRIAN LIGHT POLE	2		PUTTERMAN SCHARCK AND ASSOCIATES	LUMARK PRV	GRAPHITE METALLIC	PHONE: 713.664.7111	INSTALL PER MANUFACTURER'S RECOMENDATIONS. PROVIDE CUTCHEET FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALATION. REF. ELECTRICAL
0	A-8	PARKING LOT LIGHT POLE	4		PUTTERMAN SCHARCK AND ASSOCIATES	LUMARK PRV	GRAPHITE METALLIC	PHONE: 713.664.7111	INSTALL PER MANUFACTURER'S RECOMENDATIONS. PROVIDE CUTCHEET FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALATION. REF. ELECTRICAL
	A-9	ADA PICNIC TABLE	1	C4/L1.23	BARCO PRODUCTS	WESTIN WEELCHAIR ACCESSIBLE RECYCLED PLASTIC TABLE MODEL (PT-77)	TABLE COLOR: BROWN FRAME COLOR: BLACK	EMAIL: SALES@BARCOPPRODUCTS.COM PHONE: (800) 338-2697	INSTALL PER MANUFACTURER'S RECOMENDATIONS PROVIDE CUTCHEET FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR INSTALATION
SURFACES	<u> </u>							1	
	B-1	SPLASHPAD	3,651 sf		-	-	-	-	-
	B-2	PARKING/EMERGENCY DRIVE AISLE	20,523 sf		-	-	REF. CIVIL	REF. CIVIL	REF. CIVIL
	31500X0330X55V4	SIDEWALK	19,627 sf				REF. CIVIL	REF. CIVIL	REF. CIVIL
	B-3	OIDEWALK	10,027 31				INEL . GIVIE	TALL . OIVIL	INCL. STVIE
	B-4	DECOMPOSED GRANITE TRAIL (ADD ALTERNATE)	15,493 sf		-	-	-	-	
	B-5	POUR IN PLACE	6,750 sf			DURAPLAY	DURAPLAY SURFACING SYSTEM	-	WWW.DURAPLAY.COM
	B-6	ARTIFICIAL TURF	2,814 sf	B3/L1.23	SYNLAWN	TXT48P	MEADOW GREEN	WWW.STRICKTLYGREENGRASS.COM	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE CUT SHEET FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO SINSTALLATION.

HARDSCAPE SCHEDULE

Land | Place
310 Longmire Road
Conroe, TX 77304
Tel: 936.756.3041

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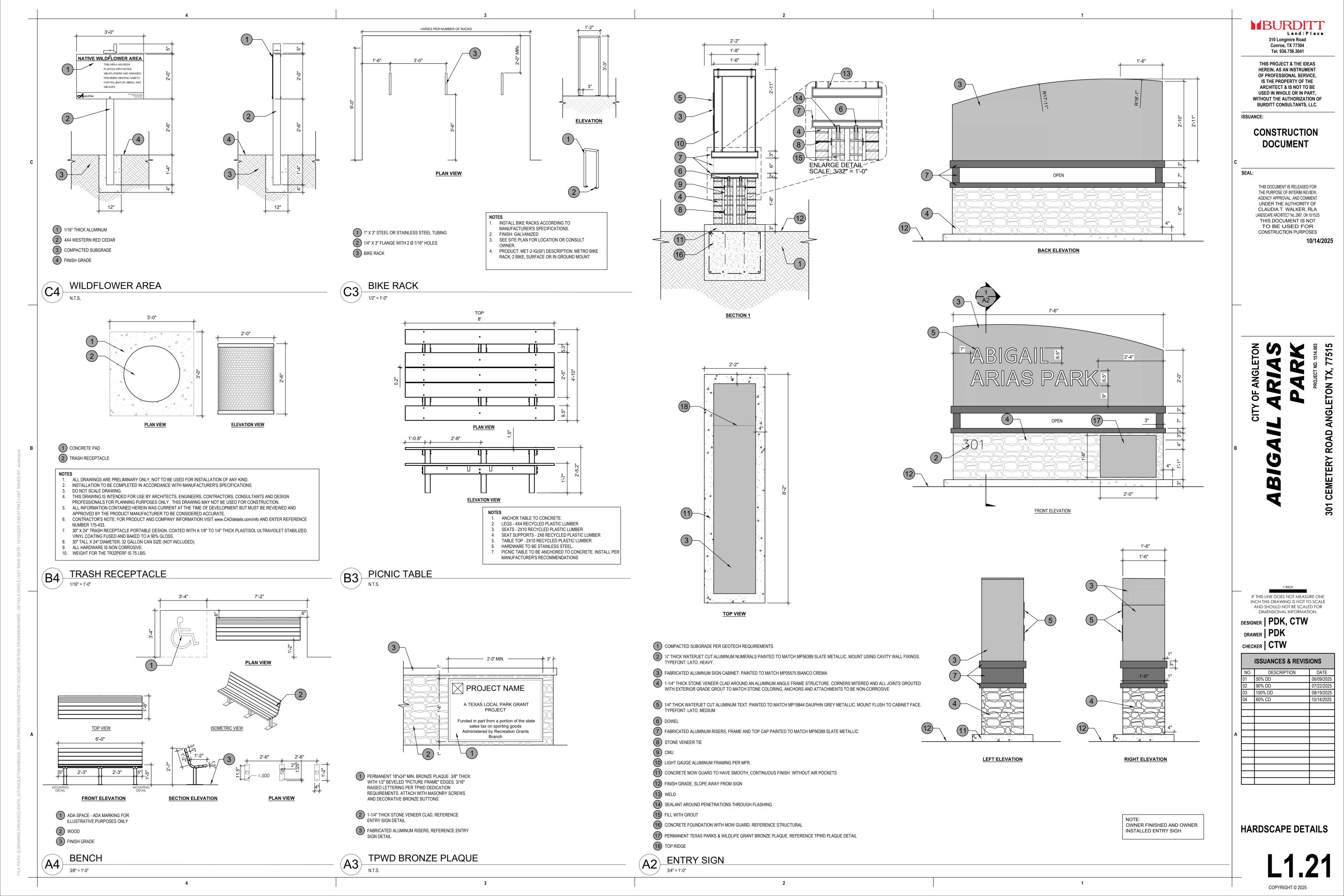
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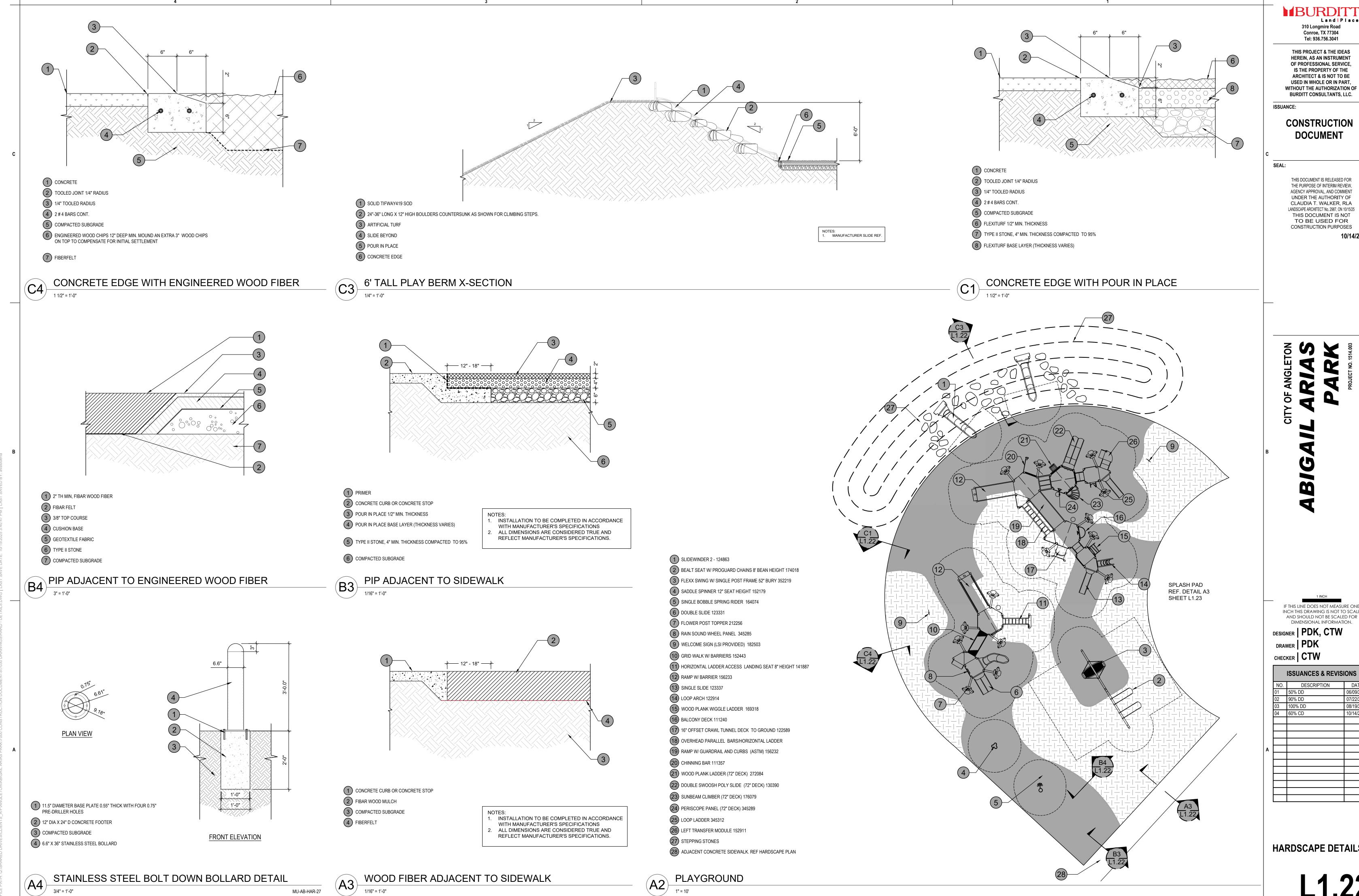
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DRAWER | PDK
CHECKER | CTW

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HARDSCAPE SCHEDULE

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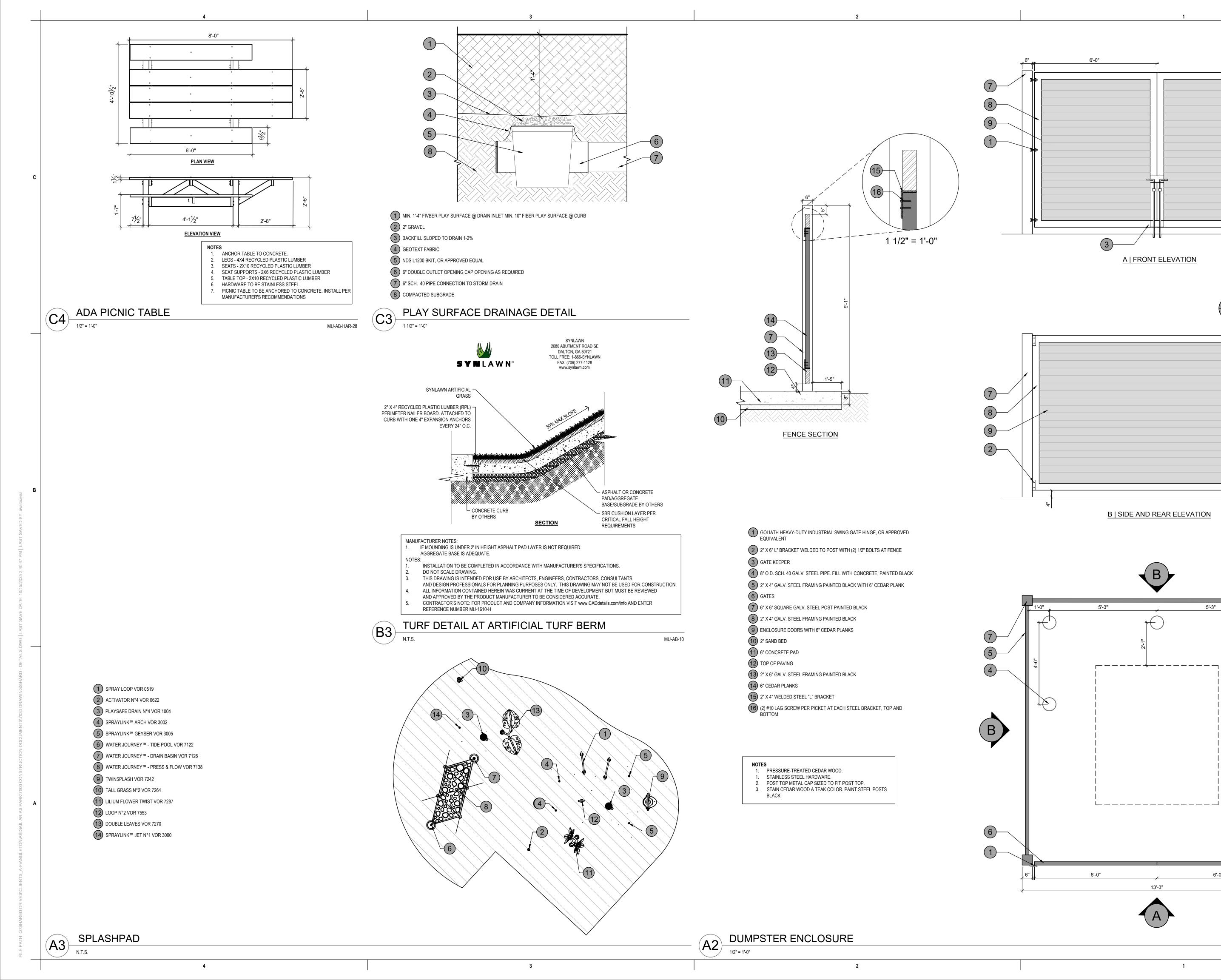
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DESIGNER | PDK, CTW

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HARDSCAPE DETAILS



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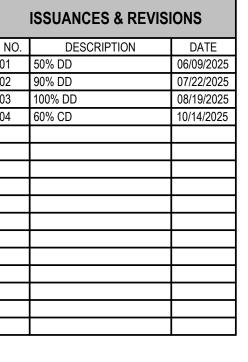
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DESIGNER | PDK, CTW DRAWER | PDK CHECKER | CTW



HARDSCAPE DETAILS

6'-0"

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10/14/2025

18") (45.7 CM) TUBE, 0.5 GPM (1.9 L/M) BUBBLER, 4" (10.2 CM) GRATE, 1/2" (1.3 CM) M NPT INLET SPIRAL **ELEVATION VIEW**

4" (10.2 CM) WIDE X 18" (45.7 CM) LONG RIGID

(5) OPTIONAL SOCK (RWS-SOCK) FOR SANDY SOILS

(6) FINISH GRADE/TOP OF MULCH (7) 1/2" (1.3 CM) SWING ASSEMBLY: RAINBIRD SA-125050 OR 1/2" (1.3 CM) SWING PIPE: RAINBIRD SP SERIES WITH 1/2" (1.3 CM) MALE NPT X 0.490" BARB ELBOW: RAINBIRD SBE-050.

(8) PVC OR POLYETHYLENE LATERAL PIPE (9) PVC SCH. 40 TEE OR EL

4" (10.2 CM) GRATE IS BLACK (RWSGRATE)

INSTALL PRODUCT SO THAT THE GRATE IS EVEN WITH FINISH GRADE. OPTIONAL SAND SOCK (RWS-SOCK) IS 34" (86.4 CM) IN LENGTH, CUT TO LENGTH NEEDED TO COVER MESH BASKET AREA. WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD 3/4" (1.9 CM) GRAVEL UNDER AND AROUND THE UNIT TO ALLOW FASTER WATER

INFILTRATION AND ROOT PENETRATION. ONCE RWS HAS BEEN INSTALLED FILL THE BASKET WITH PEA GRAVEL

BEFORE LOCKING LID. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

QUICK COUPLER (1) 30-INCH LENGTH OF WIRING. 2) WATERPROOF CONNECTION RAINBIRD WC20 (TWO REQUIRED.) (3) ID TAG: RAINBIRD VID SERIES. (4) REMOTE CONTROL VALVE: RAINBIRD PEB (5) PLASTIC VALVE BOX WITH PURPLE LOCKING COVER. 6 FINISH GRADE/ TOP OF MULCH.

1. FURNISH NOMINALLY SIZED BALL VALVE

2. FURNISH FITTINGS & PIPING NOMINALLY

COUPLING VALVE INLET SIZE.

SIZED IDENTICAL TO NOMINAL QUICK

WITHIN SAME BOX & PRIOR TO MAINLINE TEE.

10X PIPE DIA. NO VALVES, REDUCERS, OR ELBOWS IN THIS AREA.

(1) 14"X19" RECTANGULAR VALVE BOX WITH PURPLE COVER AND 6" EXTENSIONS AS REQUIRED (TYP.) STAMP VALVE BOX WITH 'FS' AND 'MV' PER SPECIFICATIONS.

MASTER VALVE AND FLOW SENSOR

2 WATERPROOF WIRE CONNECTORS, ON 18" LOOPED WIRES.

(1) POINT OF CONNECTION. VERIFY LOCATION IN FIELD

(6) IRRIGATION MAINLINE (SEE LEGEND FOR SIZE.)

REQUIREMENTS.

(4) MASTER VALVE.

(5) FLOW SENSOR.

(7) TO VALVES.

(2) WATER METER AS APPROVED PER CITY REQUIEMENTS.

(3) BACKFLOW PREVENTION DEVICE AS APPROVED PER CITY

POINT OF CONNECTION

(3) PVC MAINLINE FROM BACKFLOW DEVICE.

(4) MASTER VALVE: RAINBIRD PESB-R WITH LXIVMSOL (5) AT BOTTOM OF EACH BOX: 1/2" WIRE CLOTH GOPHER

SCREEN, WRAP UP SIDES, OVER BRICKS 4 PER BOX. (6) FINISHED GRADE. (7) DIRECT BURIAL CABLE (RE: NOTE BELOW)

(8) REDUCER AS REQUIRED

(9) FLOW SENSOR: RAINBIRD FS200P WITH LXIVMSEN (10) 3/4-INCH WASHED GRAVEL (TYP.)

PROJECT. MINIMUM DISTANCES BETWEEN ANY FITTING OR VALVE AND FLOW SENSOR ARE NOTED ABOVE.

. DIRECT BURIAL 1 PAIR, TWISTED

SHIELDED CABLE-MINIMUM

EXCEED 2,000 FEET IN LAYING

SIZE FLOW SENSOR BASED ON

REQUIRED GPM NEEDED ON

IRRIGATION CONTROLLER.

CONDUCTOR SIZE 20 AWG. DO NOT

DISTANCE FROM FLOW SENSOR TO

NOTES

SEE IRRIGATION SCHEDULE

FOR FULL DETAILS, SIZING,

AND REQUIREMENTS.

BUBBLER: ROOT WATERING SYSTEM

(1) EDGE OF PAVEMENT (2) FINISH GRADE.

3 PVC SCH. 80 NIPPLE (LENGTH AS REQUIRED)

> +12" TO ROTOR 1. MAY NOT BE USED IN LANDSCAPE AREAS LESS THAN FORTY-EIGHT INCHES (48") IN

LATERAL & WIRING IN THE SAME TRENCH **SECTION VIEW PLAN VIEW**

(1) RUN WIRING BENEATH & BESIDE MAINLINE. TAPE & BUNDLE AT 10-FOOT INTERVALS.

(2) ALL SOLVENT WELD PLASTIC PIPING TO BE SNAKED IN TRENCH AS SHOWN.

(3) TIE 24-INCH LOOP IN ALL WIRING OR GREATER. UNTIE AFTER ALL CONNECTIONS HAVE BEEN MADE NOTES SLEEVE BELOW ALL HARDSCAPE ELEMENTS WITH SCH. 40 PVC TO BE TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE WITHIN.

PIPE AND WIRE DEPTHS TO BE A MINIMUM OF 12" DEPTH. SEE SPECIFICATIONS.

DRAWER | PDK MOUNTING _ CHECKER | CTW

ISSUANCES & REVISIONS DESCRIPTION 50% DD 06/09/202 2 90% DD 3 100% DD 04 60% CD

IRRIGATION DETAILS

IRRIGATION PLANS FOR SLEEVE SIZE AND LOCATION.

BE FOUND DURING INSTALLATION OF IRRIGATION SYSTEM.

SLEEVE ELEVATION SHALL BE TWELVE (12") INCHES BELOW TOP OF PAVEMENT.

LOCATED 12 - 18 INCHES FROM THE TRUNK, AND SHALL OPERATE ON VALVES SEPARATE FROM THE SPRAY ZONES.

NO TRENCHING OR BORING SHALL OCCUR WITHIN THE TREE PROTECTION FENCING OR CRZ WITHOUT PRIOR

11. THE IRRIGATION CONTRACTOR SHALL TEST EXISTING STATIC WATER PRESSURE ONSITE PRIOR TO CONSTRUCTION

STATIC WATER PRESSURE FOR THE SITE WAS NOT GIVEN AT THE TIME OF THIS DESIGN. THE IRRIGATION SYSTEM

FOR THIS SITE IS DESIGNED TO OPERATE WITH THE A PRESSURE WITH SIXTY (60 PSI) POUNDS PER SQUARE INCH.

SHOULD DESIGN PRESSURE FOR THE IRRIGATION SYSTEM BE HIGHER THAN THE EXISTING PRESSURE OF THE SITE,

13. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS, WHEN IT

14. PIPE SIZES SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. NO SUBSTITUTIONS OF SMALLER PIPE SIZES

15. THE FOLLOWING RAIN-BIRD IVM-SERIES FIELD DEVICES SHALL BE INSTALLED ON THESE IRRIGATION COMPONENTS

16. THE CONTRACTOR SHALL BE A REGISTERED LICENSED IRRIGATOR OF GOOD STANDING IN THE STATE OF TEXAS. 17. IRRIGATION CONTRACTOR SHALL PROCURE ALL PERMITS, LICENSES, AND GIVE ALL NECESSARY NOTICES

18. ALL ASPECTS OF THE IRRIGATION INSTALLATION SHALL CONFORM WITH GOVERNING AUTHORITIES, CODES, AND

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PLANT MATERIAL UPON ACCEPTANCE AND THROUGH THE

PERMANENT IRRIGATION SYSTEM. IN THOSE DISTURBED AREAS, THE CONTRACTOR SHALL DETERMINE THE

21. LOCATION OF MAINLINE AND VALVES ON THIS PLAN MAY BE SHOWN IN THE ROAD FOR CLARITY ONLY. CONTRACTOR

TEMPORARY MEANS TO GERMINATE/ESTABLISH NECESSARY TURF. THE GENERAL CONTRACTOR IS ENCOURAGED TO

BEGIN TURF ESTABLISHMENT IMMEDIATELY UPON FINAL GRADE IN ACCORDANCE WITH AND TO SATISFY THE SWPPP.

20. DISTURBED AREAS IN NEED OF TURF ESTABLISHMENT MAY EXIST BEYOND THE COVERAGE LIMITS OF THE

IS TO PLACE ALL PIPES AND VALVES BEHIND THE CURB IN LANDSCAPE AREAS WHENEVER POSSIBLE.

PIPING AND CONTROL WIRES SHALL BE INSTALLED IN SEPARATE SLEEVES UNDER PAVING. REFER TO THE

SLEEVES SHALL EXTEND ONE (1') FOOT BEYOND THE EDGE OF PAVEMENT AND BE STAKED FOR LOCATION.

ALL SLEEVES SHALL BE SCHEDULE 40 PVC PIPE, CAPPED ON BOTH ENDS, AND SIZED AT LEAST TWO TIMES LARGER

CURB WITH A SAW-CUT OF TWO PARALLEL LINES THAT ARE TWO (2") INCHES LONG AND ONE (1") INCH APART.

THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF SLEEVES WITH GENERAL

THAN THE DIAMETER OF THE PIPE INSIDE THE SLEEVE. SLEEVE LOCATIONS SHALL BE MARKED ONTO THE TOP OF

CONTRACTOR. THE IRRIGATION CONTRACTOR IS ALSO RESPONSIBLE FOR LOCATIONS ANY SLEEVE WHICH CANNOT

LXIVMSD (SURGE DEVICE) SHALL BE INSTALLED WITH GROUND ROD OR PLATE EVERY 500' OR 15 FIELD DEVICES

IS OBVIOUS THAT FIELD OBSTRUCTIONS, UNKNOWN TO THE DESIGNER, MAY NOT HAVE BEEN CONSIDERED IN THE

ASSUME FULL IRRESPONSIBLE TO NOTIFY THE IRRIGATION DESIGNER OF THE SITE CONDITIONS, OR ASSUME FULL

DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE IRRIGATION DESIGNER OF THE CONDITIONS, OR

IRRIGATION SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH SUBCHAPTER 11 OF THE UNIFIED

10. IRRIGATION PLANS SHALL BE SUBMITTED AND APPROVED PRIOR TO IRRIGATION INSTALLED AND FINAL SITE

APPROVAL FROM THE CITY ARBORIST OR ADMINISTRATOR.

RESPONSIBILITY FOR ANY AND ALL REVISIONS NECESSARY.

THROUGHOUT THE DURATION OF THE PROJECT.

ALONG THE 2-WIRE PATH

ORDINANCES.

BY THE OWNER.

IRRIGATION SLEEVE NOTES

THE IRRIGATION CONTRACTOR SHALL NOTIFY THE IRRIGATION DESIGNER.

WARRANTY PERIOD FOR DAMAGE DUE TO IRRIGATION SYSTEM FAILURES.

12. LOCATE ALL UTILITIES AND SITE LIGHTING CONDUITS BEFORE IRRIGATION INSTALLATION BEGINS

SHALL BE PERMITTED, BUT SUBSTITUTIONS OF LARGER PIPE SIZES MAY BE APPROVED.

DEVELOPMENT CODE AND CHAPTER 113: IRRIGATORS.

CITY ORDINANCE.)

LOWEST HEADS.

LENGTH OR WIDTH (VERIFY WITH LOCAL

IN AREAS WITH ELEVATION CHANGES,

SEAL-A-MATIC (SAM) ON THE ZONES

CONTRACTOR SHALL SPECIFY

(3) WIRES TO REMOTE CONTROL VALVES. 4 STANDARD MODULE FOR 4-STATION CONTROLLERS. 5 OPTIONAL MODULES FOR 22-STATION CONTROLLER. 6 STANDARD 120 V PLUG, WEATHERPROOF OUTLET. 7 120 VAC, 60 HZ INTERNAL

22. IRRIGATION CONTRACTOR IS TO COORDINATE LOCATION AND PLACEMENT OF ALL IRRIGATION ITEMS WITH THE GENERAL CONTRACTOR. CONTRACTOR IS TO USE EXTREME CAUTION IN TRENCHING TO AVOID EXISTING AND 4 PVC SCH. 40 STREET ELL PROPOSED UTILITIES. 23. PIPE SIZES SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. NO SUBSTITUTIONS OF SMALLER PIPE SIZES (5) PVC LATERAL PIPE SHALL BE PERMITTED, BUT SUBSTITUTIONS OF LARGER PIPE SIZES MAY BE APPROVED. 24. TAPPING AND IMPACT FEES: CONTRACTOR SHALL PAY FOR ALL FEES ASSOCIATED WITH TAPPING INTO MUNICIPAL (6) SUB-GRADE UTILITY MAINS, INCLUDING SANITARY SEWER, NATURAL GAS AND DOMESTIC WATER. IMPACT FEES WILL BE PAID FOR RAINBIRD ROTOR BODY AND NOZZLE AS INDICATED ON PLAN. WIRE W/O CONDUIT 25. SYSTEM TO USE **ALL PURPLE COMPONENTS**. STATEMENT OF COVERAGE NOTE 1. THE IRRIGATION LAYOUT IS INTENDED TO SUPPLY LOW-VOLUME DRIP IRRIGATION TO PLANTED BED AREAS AND NARROW TURF SECTIONS. BUBBLERS WILL BE INSTALLED FOR NEWLY PLANTED TREES, WHILE SPRAY HEADS OR ROTORS WILL IRRIGATE THE REMAINING LAWN AREAS. THIS PLAN DOES NOT INCLUDE IRRIGATION COVERAGE BEYOND WHAT IS SPECIFIED. (1) MODULAR HYBRID CONTROLLER: RAIN BIRD COORDINATION WITH EXISTING TREES NOTES ESP-ME3 W/ RAIN FREEZE COMBO WR2-RFC, ATTACH TO ELECTRICAL RACK. MECHANICAL TRENCHING IS NOT ALLOWED WITHIN THE ROOT ZONES OF EXISTING TREES. EXCAVATION IN THESE AREAS MUST BE PERFORMED MANUALLY. ROOTS WITH A DIAMETER GREATER THAN 1 INCH MUST REMAIN (2) 1-INCH PVC SCH. 40 CONDUIT AND FITTINGS. UNDISTURBED. MARK ALL PROPOSED TRENCH LOCATIONS NEAR EXISTING TREES AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT BEFORE STARTING ANY DIGGING.

(1) QUICK COUPLING VALVE

4 BALL VALVE (SIZED PER VALVE.)

7 PVC SCH. 80 NIPPL (LENGTH AS REQURED.)

OR EQUIVALENT SUPPORT SYSTEM.

(11) 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL.

(12) 2"X2" TRD. PINE STAKE W/ STAINLESS STEEL GEAR CLAMPS

(2) PLASTIC VALVE BOX.

(3) FINISH GRADE.

(5) PVC SCH. 40 ELL.

(6) BRICK (1 OF 4.)

(8) PVC MAINLINE PIPE.

(9) SCH. 80 NIPPLE & SCH. 40 ELL

7 PVC SCH 80 NIPPLE (CLOSE.)

9 PVC SCH 80 NIPPLE (LENGTH AS

12) SCH 80 NIPPLE (2-INCH LENGTH,

HIDDEN) AND SCH 40 ELL.)

8 PVC SCH 40 ELL.

10 BRICK (1 OF 4.)

(11) PVC MAINLINE PIPE.

(13) PVC SCH 40 TEE OR ELL.

(15) PVC LATERAL PIPE.

(14) PVC SCH 40 MALE ADAPTER.

16) 3-INCH MINIMUM DEPTH OF 3/4-INCH

REMOTE CONTROL VALVE

(10) PVC SCH. 40 TEE OR ELL.

AT CHANGES OF DIRECTION OF 30

BACKFILL AND COMPACT TRENCHES TO THEIR ORIGINAL GRADE.

DOCUMENT

Land | Place

310 Longmire Road

Conroe, TX 77304

Tel: 936.756.3041

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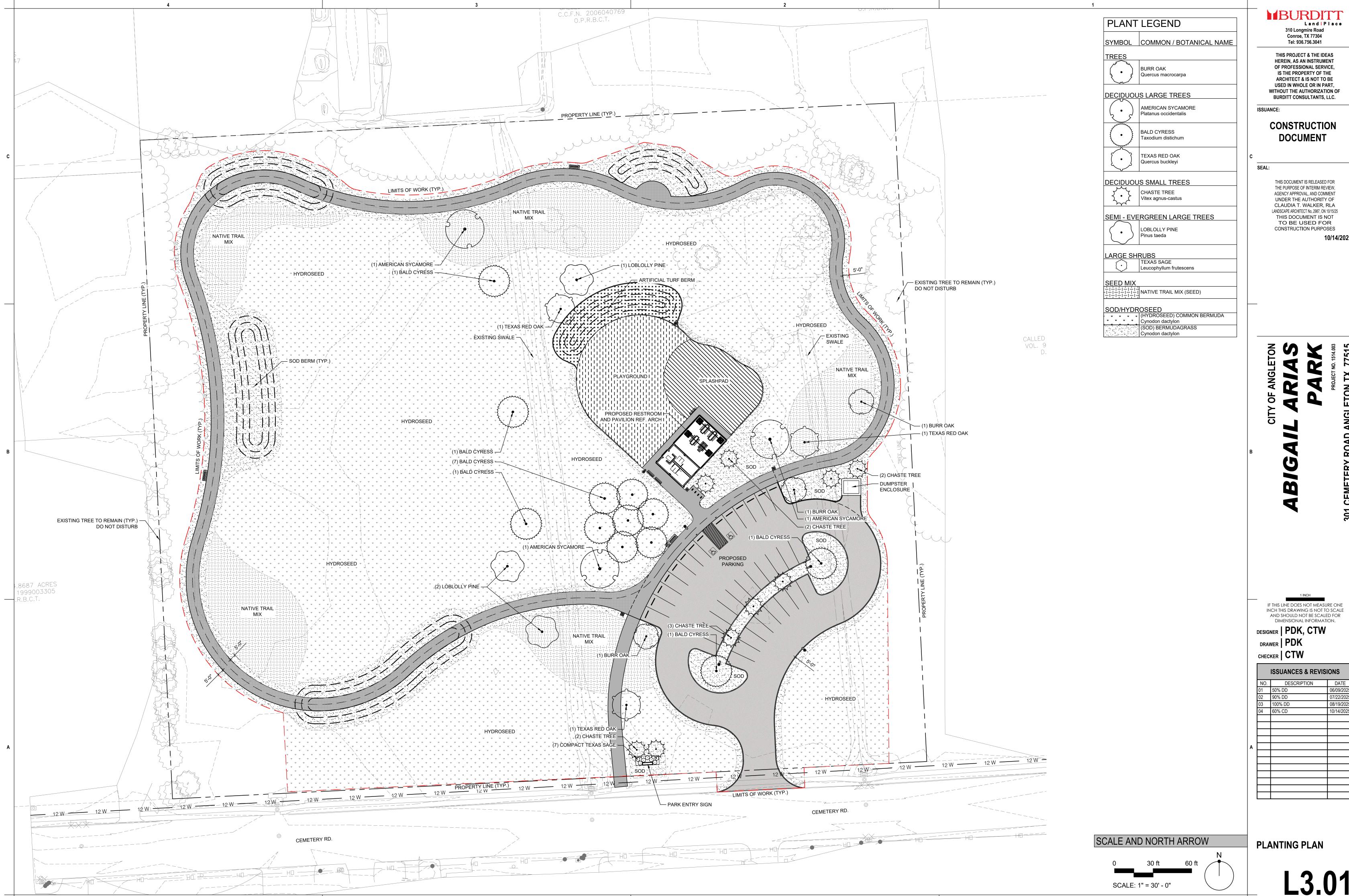
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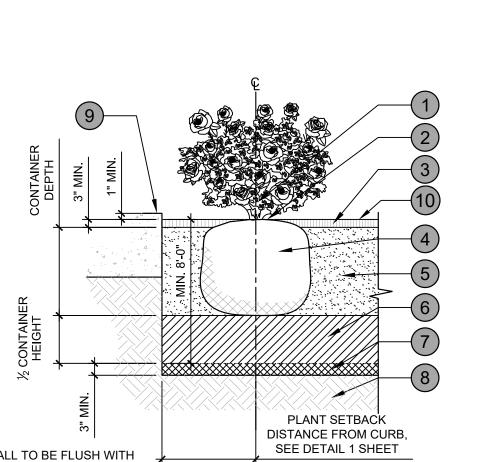
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DESIGNER | PDK, CTW

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PLANTING PLAN



2 TOP OF ROOT BALL TO BE FLUSH WITH GRADE

3 3" SHREDDED HARDWOOD MULCH

4 ROOT BALL

(5) PLANTING MIX PER SOILS ANALYSIS

6 COMPACTED PREPARED PLANTING MIX 50%

WITH PARENT MATERIAL 50% (7) 3" SCARIFIATION LAYER

(8) UNDISTURBED SOIL

9 CONCRETE CURB OR SIDEWALK (IF APPLICABLE)

A3 SHRUB PLANTING

N.T.S.

(10) TOP OF GRADE

 CONTRACTOR SHALL SUPPLY COPY OF SOIL ANALYSIS AND SOIL MIX SAMPLE TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

(10) LIMIT OF HOLE (CONTAINER PLUS 24") 11 TREE TRUNK 12 LIMIT OF ROOT BALL (13) TOP OF GRADE 2. CONTACT INFO: TREE STAKE SOLUTIONS, LLC 9973 FM 521 ROAD ROSHARON, TEXAS 77583

A2 TREE STAKE SOLUTIONS

N.T.S.

(1) HYDROSEED SLURRY LAYER (SEED + MULCH +

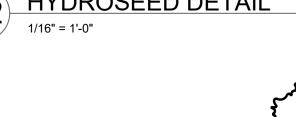
(2) PREPARE TOPSOIL (4" - 6" DEPTH, FINE GRADED

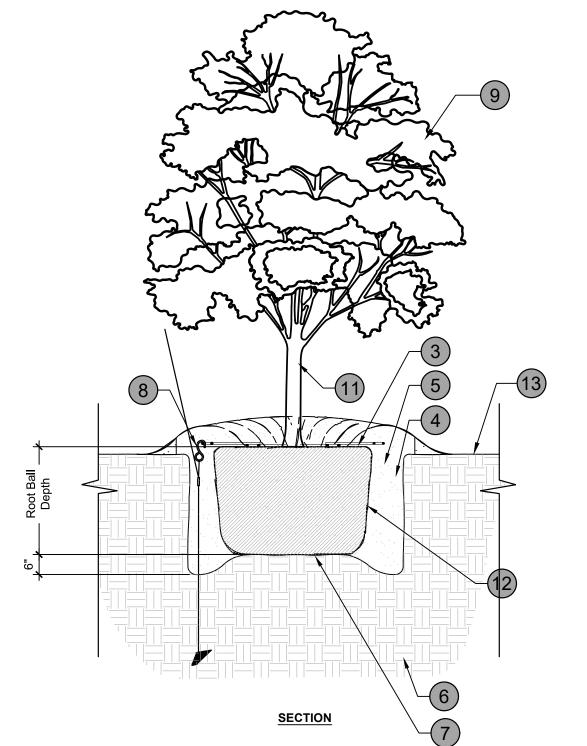
AND COMPACTED

3 SUBGRADE

GRADE SMOOTH, FIRM, AND FREE OF RUTS. ENSURE POSITIVE DRAINAGE REMOVE SOIL CLUMPS BIGGER THAN 3"

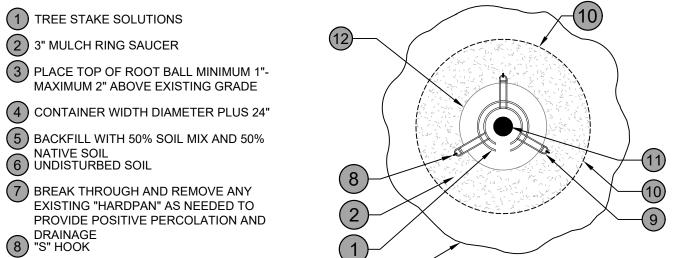
HYDROSEED DETAIL





ROOT ANCHOR ITEM#	ROOT BALL & CONTAINER SIZE	QUANTITY & ANCHOR SIZE	
15-BG	10 / 15 Gallon or 17" root ball	3 - V68 Anchors	
30-BG	20 / 39 Gallon or 22" root ball	3 - V68 Anchors	
			1

45 / 65 Gallon or 27-30" root ball



3 - V68 Anchors

9 TREE CANOPY

REMOVAL WITHOUT PRIOR APPROVAL FROM THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH REMOVAL AND REPLACEMENT OF UNAPPROVED MATERIALS. WWW.TREESTAKESOLUTIONS.COM

1. STEEL T-POSTS ARE NOT AN APPROVED ALTERNATE AND ARE SUBJECT TO

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1) ADJACENT CONCRETE (2) TOP OF SOD TO BE FLUSH WITH TOP AND PAVEMENT

(3) GRASS SOD (4) TOPSOIL

(5) SUBGRADE

(6) TILL SUBSOIL TO A DEPTH OF 6"

LANDSCAPE NOTES

- 1. NOTIFY LANDSCAPE ARCHITECT OR DESIGNATED REPRESENTATIVE OF ANY LAYOUT DISCREPANCIES OR ANY
- CONDITION WHICH MAY PROHIBIT THE INSTALLATION AS SHOWN. 2. VERIFY AND LOCATE ALL UTILITIES AND SITE LIGHTING CONDUITS BEFORE LANDSCAPE CONSTRUCTION
- BEGINS. PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 3. ALL LANDSCAPE PLANTING AREAS: TO OBTAIN FINAL GRADE, EXCAVATION MAY BE NECESSARY TO ACCEPT THE REQUIRED DEPTH OF TOPSOIL/COMPOST MIX WITH SURFACE DRESSING OR MULCH. ALL BEDS SHALL BE CROWNED TO ANTICIPATE SETTLEMENT AND ENSURE DRAINAGE WITHOUT DISRUPTING SURROUNDING PLANNED DRAINAGE PATHS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 4. ALL NEWLY PLANTED LANDSCAPED AREAS WILL BE IRRIGATED WITH AN UNDERGROUND AUTOMATIC SYSTEM. 5. QUANTITIES SHOWN ON THESE PLANS ARE FOR REFERENCE ONLY. PLANT SPACING IS AS INDICATED IN THE PLANT MATERIAL LIST UNLESS OTHERWISE NOTED. THE CONTRACTOR HAS FULL RESPONSIBILITY TO PROVIDE
- COVERAGE IN ALL PLANTING AREAS AS SPECIFIED. 6. ALL TREES, SHRUBS, AND GROUNDCOVERS SHALL BE INSTALLED PER PLANTING DETAILS.
- 7. TREES SHALL BE PLANTED AT LEAST FIVE FEET (5'-0") FROM ANY UTILITY LINE OR SIDEWALK, AND TO THE OUTSIDE OF UTILITY EASEMENTS WITH A CLEAR TEN FEET (10'-0") AROUND FIRE HYDRANTS. SHRUBS, REGARDLESS OF TYPE, SHALL NOT BE PLANTED WITHIN THIRTY INCHES (30") OF BED PERIMETERS.

PLANTING NOTES

8. FOR EROSION CONTROL THROUGHOUT THE PROJECT AND THE MAINTENANCE PERIOD FOR TURFGRASS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE TOPSOIL IN PLACE AT SPECIFIED GRADES. TOPSOIL AND TURFGRASS LOSSES DUE TO EROSION WILL BE REPLACED BY THE CONTRACTOR UNTIL ESTABLISHMENT AND ACCEPTANCE IS ACHIEVED.

9. CONTRACTOR TO HYDROSEED ALL DISTURBED AREAS.

10. FOR SOIL PREPARATION ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION, EXCEPT THOSE OCCUPIED BY BUILDINGS, STRUCTURES, OR PAVING SHALL BE GRADED SMOOTH AND FOUR INCHES (4") OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ONSITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL AS APPROVED BY THE OWNER. THE AREA SHALL BE DRESSED TO TYPICAL SECTIONS AND PLOWED TO A DEPTH OF FIVE INCHES (5"). SOIL SHALL BE FURTHER PREPARED BY THE REMOVAL OF DEBRIS, WEEDS AND STONES LARGER THAN 3/4 INCH IN DIAMETER. AFTER TILLAGE AND CLEANING, ALL AREAS TO RECEIVE TURF SHALL BE LEVELED, FINE GRADED, AND DRUG WITH A WEIGHTED SPIKE HARROW OR FLOAT DRAG.

11. TURFGRASS SOD SHALL BE AS PER LANDSCAPE PLAN. SOD SHALL CONSIST OF STOLONS, LEAF BLADES, RHIZOMES AND ROOTS WITH A HEALTHY, VIRILE SYSTEM OF DENSE, THICKLY MATTED ROOTS THROUGHOUT THE SOIL OF THE SOD FOR A THICKNESS NOT LESS THAN THREE-QUARTERS (3/4") INCH. SOD SHALL BE ALIVE, HEALTHY, VIGOROUS, FREE OF INSECTS, DISEASE, STONES, AND UNDESIRABLE FOREIGN MATERIALS AND GRASSES. THE GRASS SHALL HAVE BEEN MOWED PRIOR TO SOD CUTTING SO THAT THE HEIGHT OF GRASS SHALL NOT EXCEED TWO INCHES (2"). SOD SHALL HAVE BEEN PRODUCED ON GROWING BEDS OF CLAY-LOAM TOPSOIL. SOD SHALL NOT BE HARVESTED OR PLANTED WHEN ITS MOISTURE CONDITION IS SO EXCESSIVELY WET OR DRY THAT ITS SURVIVAL WILL BE AFFECTED. ALL SOD IS TO BE HARVESTED, DELIVERED, AND PLANTED WITHIN A THIRTY-SIX (36) HOUR PERIOD OF TIME. SOD SHALL BE PROTECTED FROM EXPOSURE TO

WIND, SUN, AND FREEZING. SHOULD INSTALLATION OCCUR BETWEEN NOVEMBER AND MARCH, SOD SHALL INCLUDE AN OVER-SEED OF ANNUAL RYE FOR A GROWN-IN APPEARANCE. 12. IN THE ABSENCE OF AN IRRIGATION SYSTEM OR AREAS BEYOND THE COVERAGE LIMITS OF A PERMANENT IRRIGATION SYSTEM, CONTRACTOR SHALL WATER SOD TEMPORARILY TO DEVELOP ADEQUATE GROWTH AND ESTABLISHMENT BEFORE REGULAR MAINTENANCE BEGINS. TURF SHALL BE WATERED UNTIL FIRMLY

- 13. WATER SHALL BE FURNISHED BY THE CONTRACTOR WITH MEANS AND METHODS AVAILABLE TO ACHIEVE ACCEPTABLE TURF. THE WATER SOURCE SHALL BE CLEAN AND FREE OF INDUSTRIAL WASTES OR OTHER
- SUBSTANCES HARMFUL TO THE GROWTH OF THE TURF. 14. VEGETATION SHOULD BE INSPECTED REGULARLY TO ENSURE THAT PLANT MATERIAL IS ESTABLISHED PROPERLY AND REMAINS HEALTHY. MOWING, TRIMMING AND SUPERVISION OF WATER APPLICATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE OWNER OR OWNER'S REPRESENTATIVE ACCEPTS
- AND ASSUMES REGULAR MAINTENANCE. 15. TOPSOIL SALVAGED FROM THE SITE MAY BE USED PROVIDED IT MEETS THE BELOW SPECIFICATIONS AS
- 16. TOPSOIL SHALL BE A CLEANED SANDY LOAM. TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED SOILS AND SHALL CONTAIN NO ROOTS, GRAVEL, ROCKS, AND UNDESIRABLE OBJECTS. 17. THE SUBSOIL SHALL BE TILLED TO A MINIMUM DEPTH OF SIX INCHES (6") BEFORE PLACEMENT OF TOPSOIL.
- 18. MAINTAIN EROSION AND SEDIMENT CONTROL PRACTICES DURING TOPSOILING AND AFTER UNTIL ESTABLISHMENT OF GRASS. 19. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4
- 20. ANY IRREGULARITIES IN THE SURFACE SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF
- DEPRESSIONS. 21. TOPSOIL SHALL NOT BE PLACED WHILE TOPSOIL IS IN A FROZEN OR MUDDY CONDITION AND WHILE SUBSOIL IS EXCESSIVELY WET.

LandiPlace 310 Longmire Road Conroe, TX 77304

Tel: 936.756.3041

THIS PROJECT & THE IDEAS HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF THE **ARCHITECT & IS NOT TO BE USED IN WHOLE OR IN PART,** WITHOUT THE AUTHORIZATION OF **BURDITT CONSULTANTS, LLC.**

ISSUANCE:

CONSTRUCTION **DOCUMENT**

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW, AGENCY APPROVAL, AND COMMENT UNDER THE AUTHORITY OF CLAUDIA T. WALKER, RLA LANDSCAPE ARCHITECT No. 2987, ON 10/15/25 THIS DOCUMENT IS NOT TO BE USED FOR **CONSTRUCTION PURPOSES**

10/14/2025

RY ROAD ANGLETON TX,

301 CEMETE

IF THIS LINE DOES NOT MEASURE ONE INCH THIS DRAWING IS NOT TO SCALE AND SHOULD NOT BE SCALED FOR

DIMENSIONAL INFORMATION. DESIGNER | PDK, CTW DRAWER | PDK CHECKER CTW

ISSUANCES & REVISIONS NO. DESCRIPTION 1 50% DD)2 90% DD 3 100% DD 04 60% CD

PLANTING DETAILS

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PROJECT SITE

GENERAL NOTES

5. THE CONTRACTOR SHALL NOTIFY THE OWNER TEN (10) WORKING DAYS IN ADVANCE OF STARTING CONSTRUCTION

6. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES

7. ANY DAMAGE TO EXISTING FACILITIES, ELEMENTS, FEATURES, AND IMPROVEMENTS, RESULTING FROM THE CONTRACTOR'S OPERATION, SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

8. CONTRACTOR SHALL EXPOSE, VERIFY, CONNECT AND MATCH EXISTING UTILITIES AND IMPROVEMENTS, IN CONFORMANCE WITH THE INTENT OF THESE PLANS AND SPECIFICATIONS. TO PROVIDE COMPLETE AND OPERATIONAL

9. DURING THE COURSE OF THE WORK, THE CONTRACTOR SHALL COORDINATE AND ACCOMMODATE OTHER CONTRACTORS OR OPERATIONS OF THE OWNER.

10. THE CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT, AND METHODS REQUIRED TO PREVENT HIS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO PROPERTY, CULTIVATED VEGETATION, DOMESTIC. ANIMALS, AND CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM HIS OPERATIONS.

11. CONTRACTOR SHALL RESTRICT ALL OPERATIONS WITHIN THE PROJECT BOUNDARIES. ANY DISRUPTION TO LANDSCAPES, OUTSIDE OF PROJECT BOUNDARIES SHALL BE RESTORED BY THE CONTRACTOR AT NO COST TO THE

12. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT "UNDERGROUND LOCATE SERVICE" AT LEAST 48 BUSINESS-DAY HOURS PRIOR TO THE START OF CONSTRUCTION FOR THE LOCATION OF POWER, GAS, OIL. CABLE TV, DATA, AND TELEPHONE FACILITIES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR CONTRACTING THE APPROPRIATE PUBLIC AGENCY FOR THE LOCATION OF UNDERGROUND FACILITIES.

13. VERIFY IN FIELD (V.I.F.): IT IS THE CONTRACTOR 'S RESPONSIBILITY TO FIELD VERIFY PORTIONS OF THE WORK PRIOR TO COMPLETION OF SUBMITTALS FOR FUTURE PORTIONS OF THE WORK. FAILURE TO FIELD VERIFY DIMENSIONS RESULTING IN NON-CONFORMING WORK SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

14. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH ORANGE CONSTRUCTION FENCING PLACED AT THE DRIPLINE OF CANOPY.

15. THE CONTRACT DOCUMENTS ARE COMPREHENSIVE AS A WHOLE AND THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS IN DRAWINGS, SPECIFICATIONS, REGULATORY REQUIREMENTS, AND ADDENDA.

16. CORRELATION AND INTENT OF CONTRACT DOCUMENTS:

17. THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK BY THE CONTRACTOR. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL; PERFORMANCE BY THE CONTRACTOR SHALL BE REQUIRED ONLY TO THE EXTENT CONSISTENT WITH THE CONTRACT DOCUMENTS AND REASONABLY INFERABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INDICATED RESULTS.

18. IF A CONFLICT, ERROR, OMISSION, OR LACK OF DETAILED DESCRIPTION IS DISCOVERED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND REQUEST CLARIFICATION. THE ARCHITECT WILL RESOLVE THE CONFLICT AND MAKE ANY CORRECTIONS OR INTERPRETATIONS NECESSARY TO FULFILL THE INTENT OF THE CONTRACT DOCUMENTS.

-19. WHERE NOTES REFERENCE OTHER DISCIPLINES, SUCH AS:

(RE:STRUCTURAL), (RE: CIVIL), (RE: LANDSCAPE),(RE: MEP), (RE: MECHANICAL), (RE: PLUMBING), (RE: ELECTRICAL), (RE: TECHNOLOGY), (RE: SECURITY), ETC., REFER TO ENGINEER'S DRAWINGS AND/OR SPECIFICATIONS FOR ADDITIONAL DETAILS AND INFORMATION. ITEMS SO NOTED ARE TO BE INCLUDED IN THE CONTRACT WHETHER OR NOT ENGINEER'S DRAWINGS AND SPECIFICATIONS CONTAIN ADDITIONAL INFORMATION OR REQUIREMENTS FOR EACH SPECIFIC ITEM NOTED. UPON FINDING A DISCREPENCY OR APPARENT LACK OF COORDINATING INFORMATION IN ENGINEER'S DRAWINGS OR SPECIFICATIONS. CONTRACTOR SHALL REQUEST ADDITIONAL INFORMATION FROM ARCHITECT IN ADVANCE TO AVOID COST OR TIME IMPACT.

BID ALTERNATES



ABGALARAS DAR

FUR-DOWN .

FIBERGLASS REINFORCED PLASTIC

 DRAWING SYMBOLS LEGEND								
 NEW PARTITION	DOOR NUMBER	000-	VIEW REVERENCE	# / A###				
	WALL TYPE	<a0-a> →</a0-a>						
EXISTING PARTITION	WINDOW TYPE	(A)——	BUILDING SECTION A#.##	<u> </u>				
 DEMOLISHED PARTITION	NOTE TYPE REVISION	A	WALL SECTION 1	VIEW REFERENCE SUFFIXES: • SIM (SIMILAR) • O.H. (OPPOSITE HAND) • TYP (TYPICAL)				
 PARTIAL HEIGHT PARTITION	ROOM FINISH LEGEND	ROOM NAME ### WALL N W-# E W-# S W-# W W-#	SECTION DETAIL 1 A#.##					
 TEMPORARY PARTITION ////////////////////////////////////		FLOOR F F-# B B-# BASE TYPE	ENLARGED CALLOUT A###					
LEVEL LINE NAME OF LE ELEVAT	ROOM CEILING LEGEND	CEILING C C-#	EXTERIOR ELEVATION 1 A#.##					
 GRID LINE	CASEWORK TAG	WODE WIDTH #" ^{###} #" DEPTH #"	INTERIOR ELEVATION # / A##	#				
		HEIGHT						

PROJECT DESCRIPTION

48 HOUR NOTICE

CONTRACTOR SHALL NOTIFY THE CITY PRIOR TO COMMENCING

CONTRACTOR(S) TO CONTACT THE PUBLIC REVIEW DEPARTMENT.

CONSTRUCTION AND/OR BACKFILLING ANY UTILITIES.

UTILITY PROVIDERS

CODE INFORMATION

RESTROOM PAVILION BUILDING FOR NEWLY DEVELOPED PARK IN THE CITY OF ANGLETON. BUILDING CONSTRUCTED WITH CONCRETE MASONRY UNITS, WOOD LUMBER, AND ARCHITECTURALLY EXPOSED STRUCTURAL STEEL: PROGRAM INCLUDES 2 TOILET ROOMS, 1 FOR

ABBREVIATIONS

CONNECTION

CONSTRUCTION CORRIDOR

CARPET TILE CRAWLSPACE

CENTER CONTROL

DOWNSPOUT DOUBLE DEMOLITION ABOVE FINISH FLOOR GENERAL CONTRACTOR MASONRY OPENING ACCESS PANEL MINIMUM. SCHEDULE SECURITY SECTION AIR CONDITIONING DEPARTMENT GLASS FIBER REINFORCED GYPSUM MISCELLANEOUS ACOUSTICAL ACOUSTICAL CEILING PANEL ADDITIONAL ADJUSTABLE OR ADJACENT DIMENSION SHOWER SIMILAR SPECIFICATIONS GYPSUM SHAFT WALL NOT IN CONTRACT ANCHOR GYPSUM BOARD NOT TO SCALE SQUARE SQUARE FOOT ARCHITECTURAL DRAWINGS HOLLOW CORE ACOUSTICAL CEILING TILE ON CENTER STATION STANDARD . HOLLOW METAL ON CENTER EACH WAY HANDICAPPED EXPANSION JOINT EXPOSED STRUCTURE STRUCTURE OR STRUCTURAL BUILDING LINE HARDWOOD ELECTRIC WATER COOLER SUSPENDED SYMMETRICAL HORIZONTAL OPPOSITE HAND ELEVATION OWNER PROVIDED CONTRACTOR INSTALLED HORIZONTAL . TOUNGUE & GROOVE ELECTRICAL EMERGENCY HEATING, VENTILATION, AIR CONDITIONING TEMPERED TOP OF CONCRETE INSIDE DIAMETER/DIMENSIO TOP OF CMU. . . TOP OF DECK BASEMENT BETWEEN PLASTIC LAMINATE TOP OF PARAPET INFORMATION CATCH BASIN CORNER GUARD TOP OF STRUCTURAL SLAB FIRE ALARM · PLYWOOD CAST IN PLACE JANITOR CLOSET FIRE EXTINGUISHER CONTROL JOINT FIRE EXTINGUISHER CABINET FINISH FLOOR CEREAMIC TILE FIRE HOSE CABINET JUNCTION BOX UNLESS NOTED OTHERWISE FULL HEIGHT FACE OF CONCRETE COLD FORMED METAL FRAMING FACE OF FINISH PREMANUFACTURED VERIFY IN FIELD FULL SIZE LAMINATE LANDSCAPE PAINTED .. PARTITION FIRE VALVE CABINET CONCRETE MASONRY UNIT REFERENCE CONTINUOUS VESTIBULE FLASHING FLORESCENT WEST CONCRETE · REINFORCED WIND BRACE

MASONRY MATERIAL

MARBLE

MECHANICAL

MECHANICAL, ELECTRICAL, PLUMBING

REQUIRED RESILIENT

REFLECTED

ROUGH OPENING

WITHOUT

WATER RESISTANT GYP. BOARD

PROJECT TEAM

OWNER CITY OF ANGLETON JASON O'MARA (979) 849-4364 JOMARA@ANGLETON.TX.US 121 S. VELASCO

ARCHITECTURE **BURDITT CONSULTANTS** MARK GOULAS, AIA 936.756.3041 MGOULAS@BURDITT.COM 310 LONGMIRE ROAD CONROE. TEXAS 77304

LANDSCAPE ARCHITECTURE **BURDITT CONSULTANTS** CLAUDIA WALKER, RLA, ASLA, CPSI 936-756-3041 CWALKER@BURDITT.COM 310 LONGMIRE ROAD CONROE, TX 77304

CIVIL ENGINEERING MICHELLE PATTON, PE 713-376-7085 MICHELLE PATTON@MPCE-TX.COM 20333 SH 249,STE 200 HOUSTON, TX 77070

STRUCTURAL ENGINEERING HURLEY-FREY STRUCTURAL ENGINEERS **BRIAN FREY** 713-520-8528 BRIAN@HFSTRUCTURAL.COM 3111 SACKETT ST.

MEP ENGINEERING DBR ENGINEERING CONSULTANTS, INC BRENT B. MOE 713-914-4327 9990 RICHMOND AVENUE, S BLDG, STE 300 HOUSTON, TX 77042

HOUSTON, TX 77098

USED IN WHOLE OR IN PART WHITHOUT THE AUTHORIZATION OF BURDITT CONSULTANTS, LLC

CONSTRUCTION **DOCUMENTS 60%**

ISSUANCE:

10/14/2025

MARK GOULAS, AIA TEXAS #12034 THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT FOR REGULATORY APPROVAL, BIDDING, PERMIT, OR CONSTRUCTION PURPOSES.

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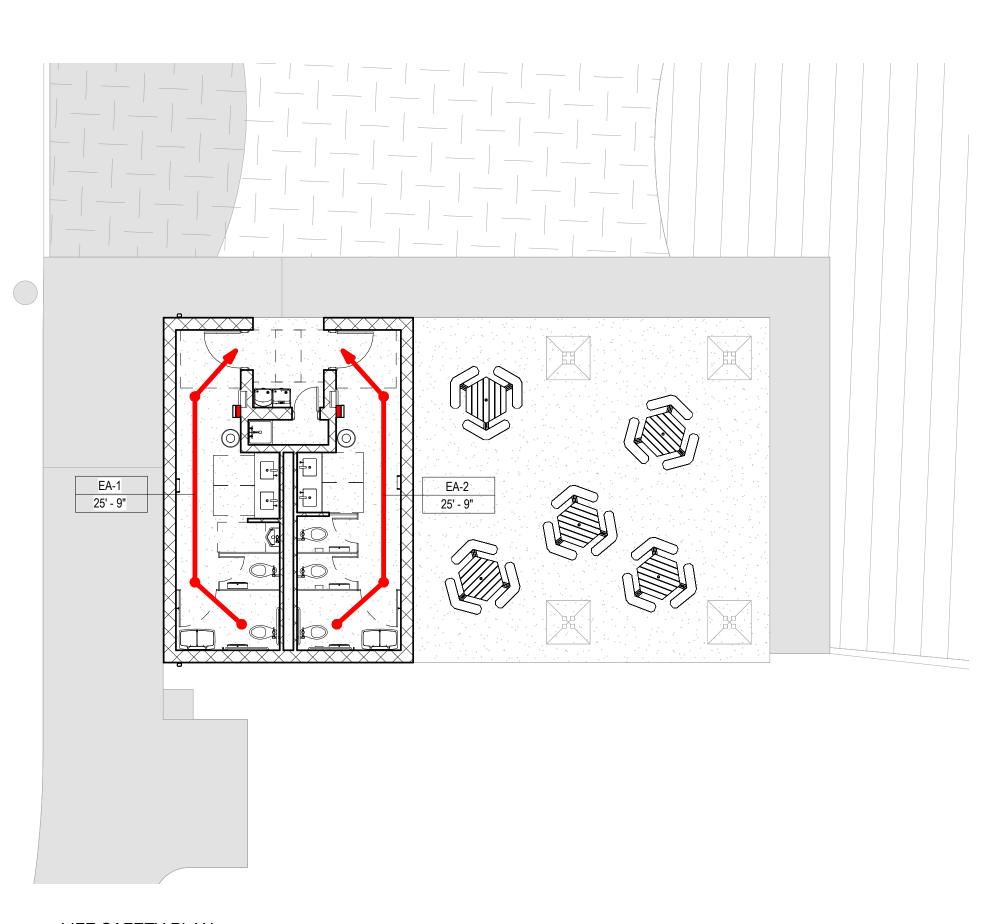
DESIGNER | MG, OG DRAWER | JT,CV

CHECKER | MG,MK

ISSUANCES & REVISIONS								
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ARCHITECTURE COVER



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

BUILDING CODE ANALYSIS

APPLICABLE CODES

- 2015 INTERNATIONAL ENERGY CODE
- 2015 INTERNATIONAL FUEL GAS CODE 2015 INTERNATIONAL MECHANICAL CODE
- 2015 INTERNATIONAL PLUMBING CODE
- 2015 INTERNATIONAL BUILDING CODE 2015 INTERNATIONAL RESIDENTIAL CODE
- 2014 NFPA 70 NATIONAL ELECTRIC CODE
- 2015 INTERNATIONAL FIRE CODE 2012 TEXAS ACCESSIBILITY STANDARDS

CITY ORDINANCES

PARKING REQUIREMENTS

COMMERCIAL AMUSEMENT (OUTDOOR): 10 SPACES + 1 SPACE PER 500 S.F. OF RECREATIONAL AREA

10 SPACES + 23 SPACES (11,500 S.F. / 500 S.F.) = 33 SPACES | 35 PROVIDED

ADA PARKING REQUIRED: <u>2 SPACES</u>

(CHAP. 3) OCCUPANCY CLASSIFICATION AND USE

OCCUPANCY CLASSIFICATION:

A-3 ASSEMBLY

BUILDING AREA:

GROSS SQUARE FOOTAGE = 588 S.F.

(CHAP. 5) GENERAL BUILDING HEIGHTS AND AREAS

 OCCUPANCY CLASSIFICATION = A-3 CONSTRUCTION TYPE = VB, UNSPRINKLERED (NS)

TABLE 504.3 ALLOWABLE BUILDING HEIGHT ABOVE GRADE PLANE

- ALLOWABLE HEIGHT = 40'-0"
- PROPOSED HEIGHT = 18'-0"

TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE

- ALLOWABLE STORIES = 1 STORY
- PROPOSED STORIES = 1 STORY

TABLE 506.2.1 ALLOWABLE AREA (Aa) OF SINGLE-OCCUPANCY BUILDING

- ALLOWABLE AREA 6,000 S.F.
- PROPOSED AREA = 588 S.F.

(CHAP. 6) TYPES OF CONSTRUCTION

TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)

TYPE VB = 0 HOURS

(CHAP. 7) FIRE AND SMOKE PROTECTION FEATURES

TABLE 705.2 MINIMUM DISTANCE OF PROJECTION

MINIMUM DISTANCE FROM LINE USED TO DETERMINE FSD AT ALL WALLS = 20 FEET (FSD > 30 FEET)

SECTION 705.8 OPENINGS

SECTION 705.11 PARAPETS

NO PARAPETS REQUIRED PER EXCEPTION 1 (TYPE VB CONSTRUCTION)

(CHAP. 9) FIRE PROTECTION AND LIFE SAFETY SYSTEMS

SECTION 903 AUTOMATIC SPRINKLER SYSTEMS NOT REQUIRED

SECTION 906 PORTABLE FIRE EXTINGUISHERS

- LIGHT (LOW) HAZARD OCCUPANCY MINIMUM-RATED SINGLE EXTINGUISHER = 2-A
- MAXIMUM FLOOR AREA PER UNIT OF A = 3,000 S.F. MAXIMUM FLOOR AREA FOR EXTINGUISHER = 11,250 S.F.
- MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER = 75 FEET

(CHAP. 10) MEANS OF EGRESS

TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

• BUSINESS AREAS = 552 S.F. / 100 S.F. = 6 OCCUPANTS

TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY

 MAX. OCCUPANT LOAD OF SPACE = 49 OCCUPANTS MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE = 75 FEET

SECTION 1013 EXIT SIGNS

NO EXIT SIGNS REQUIRED PER SECTION 1013.1, EXCEPTION 1

TABLE 1017.2 MAXIMUM EXIT ACCESS TRAVEL DISTANCE

• MAXIMUM EXIT ACCESS TRAVEL DISTANCE = 200 FEET ACTUAL EXIT ACCESS TRAVEL DISTANCE = APPROXIMATELY 26 FEET

(CHAP. 29) PLUMBING SYSTEMS

SECTION 2902.2 SEPARATE FACILITIES

SEPARATE FACILITIES ARE REQUIRED.

TABLE 2902.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES GROUND FLOOR CALCULATED AS BUSINESS

WATER CLOSETS

MEN = 3 OCCUPANTS / 25 = 1 REQUIRED | 2 PROVIDED WOMEN = 3 OCCUPANTS / 25 = 1 REQUIRED | 3 PROVIDED

URINALS

MEN = 0 REQUIRED | <u>1 PROVIDED</u>

LAVATORIES

MEN = 3 OCCUPANTS / 40 = 1 REQUIRED | 2 PROVIDED WOMEN = 3 OCCUPANTS / 40 = 1 REQUIRED | 3 PROVIDED

• BATHTUBS/SHOWERS = 0 REQUIRED | <u>0 PROVIDED</u> • DRINKING FOUNTAIN = 2 REQUIRED | 2 PROVIDED (1 WHEELCHAIR ACCESSIBLE AND 1 FOR STANDING PEOPLE)

SERVICE SINK = 1 REQUIRED | 1 PROVIDED

INDEX OF DRAWINGS

SHEET NO. SHEET NAME 01 - GENERAL SITE PLAN W. AERIAL OVERLAY TREE PRESERVATION PLAN TREE INVENTORY REPORT 02 - ARCHITECTURE ARCHITECTURE COVER CODE ANALYSIS & LIFE SAFETY PLAN FLOOR PLAN ROOF PLAN AND RCP PLAN BUILDING ELEVATIONS BUILDING SECTIONS BUILDING SECTIONS INTERIOR ELEVATIONS SECTION DETAILS SECTION DETAILS SECTION DETAILS PERSPECTIVES SCHEDULES TYPICAL DIAGRAMS & RR ACCESSORY SCHEDULE

GENERAL NOTES

1. THE INFORMATION PROVIDED IS FOR GENERAL COORDINATION AND IS NOT EXHAUSTIVE. THE CONTRACTOR SHALL BE RESPONSIBLE TO BECOME FAMILIAR AND CONFORM TO ALL CURRENTLY ADOPTED BUILDING CODES, REGULATIONS, AND REQUIREMENTS PER AUTHORITY HAVING JURISDICTION.

REQUIRMENTS AND UL ASSEMBLIES.

- 2. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL ACCESSORY MATERIALS REQUIRED FOR COMPLIANCE WITH APPLICABLE
- 3. FIRE EXTINGUISHERS, CABINETS, AND ASSOCIATED MOUNTING BRACKETS ARE SHOWN ON DRAWINGS FOR GENERAL COORDINATION. REFER TO SPECIFICATIONS FOR PRODUCT INFORMATION AND INSTALLATION REQUIREMENTS. VERIFY, COORDINATE, AND PROVIDE ALL FIRE EXTINGUISHER TYPES, QUANTITIES, LOCATIONS, AND MOUNTING HEIGHTS WITH FIRE MARSHALL AND LOCAL AUTHORITY HAVING JURISDICTION.
- 4. EXIT/EGRESS SIGNAGE: PROVIDE INTERIOR TACTILE ROOM SIGNAGE AT ALL DOORS ALONG EXIT PASSAGEWAYS, EXIT STAIRWAYS, AND EXIT DISCHARGES LEADING TO AN ACCESSIBLE MEANS OF EGRESS. REFER TO SIGNAGE DETAILS ON DRAWING SHEET A7.01.
- 5. FIRE EXTINGUISHERS SHALL COMPLY WITH NFPA 10 AND NFPA 241 FOR CLASSIFICATION, EXTINGUISHING AGENT, AND SIZE REQUIRED BY LOCATION AND CLASS OF FIRE EXPOSURE PER IFC
- 2015 CHAPTER 9 SECTION 906. 6. REFER TO SITE PLAN FOR ACCESSIBLE ROUTES OUTSIDE OF BUILDING FOOTPRINT.
- 7. BUILDING AREAS AND OTHER VALUE CALCULATIONS ARE FOR CODE OFFICIALS AND OWNER. CONTRACTOR SHALL MAKE HIS/HER OWN TAKE OFFS AND CALCULATIONS AS REQUIRED.
- 8. FIRE EXTINGUISHER CABINET (BASIS OF DESIGN):

A. MANUFACTURER: JL INDUSTRIES

- B. MODEL: C1016F10 C. FINISH: POWDER COAT TO MATCH INTERIOR WALL PAINT
- E. DOOR: FULL GLAZING

D. MOUNTING: SEMI-RECESSED F. FIRE RATING: N/A

P

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ISSUANCE:

SEAL:

Tel: 936.756.3041

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WHITHOUT THE AUTHORIZATION OF

CONSTRUCTION

DOCUMENTS 60%

10/14/2025

MARK GOULAS, AIA

TEXAS #12034

THESE DOCUMENTS ARE FOR INTERIM

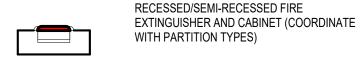
REVIEW AND ARE NOT FOR REGULATORY

APPROVAL, BIDDING, PERMIT, OR

CONSTRUCTION PURPOSES.

BURDITT CONSULTANTS, LLC.

SURFACE MOUNTED FIRE EXTINGUISHER



EGRESS PATH



LEGEND

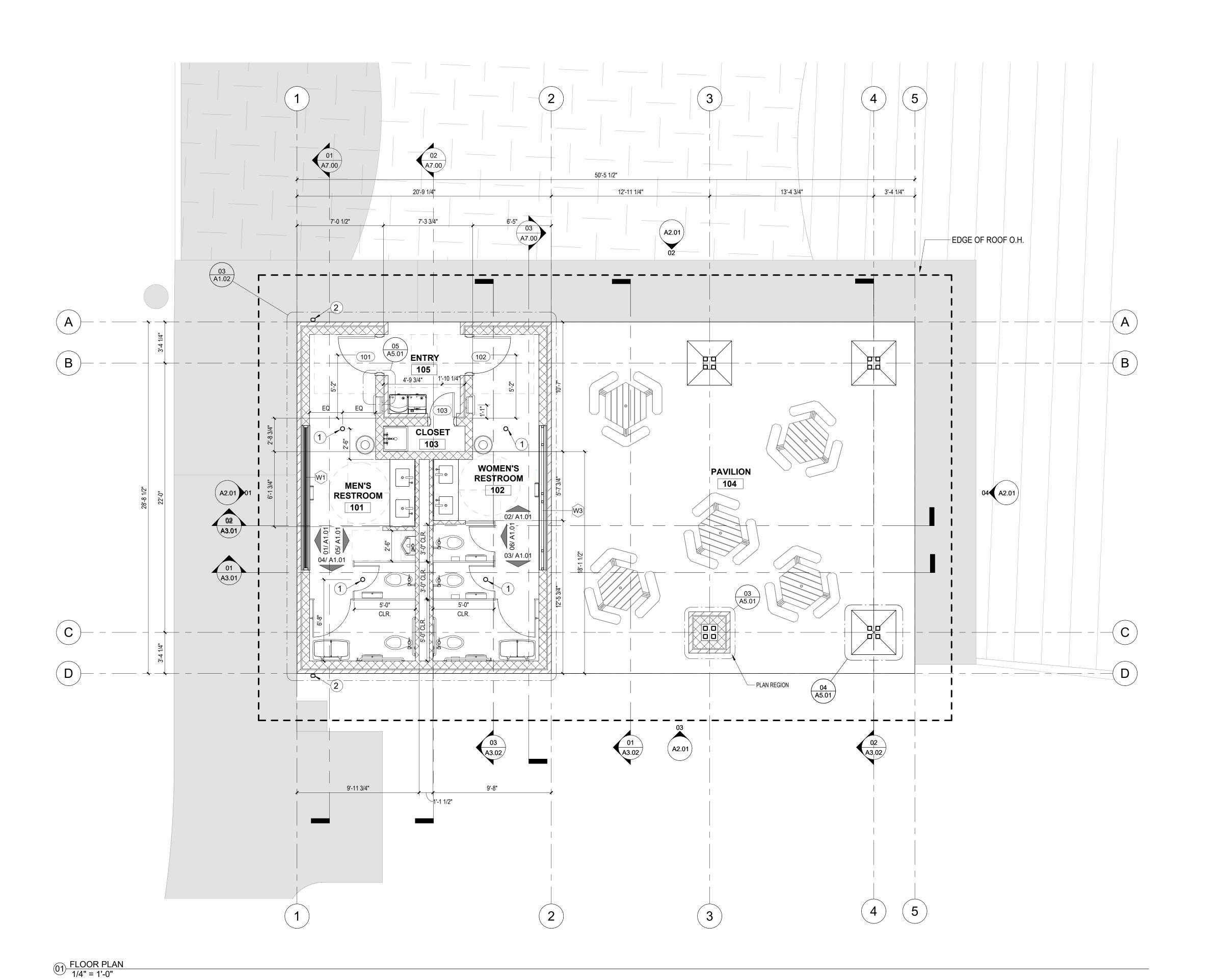
EXIT SIGN (RE: ELECTRICAL)

DESIGNER | MG, OG DRAWER JT, CV CHECKER | MG, MK

ISSUANCES & REVISIONS DESCRIPTION

CODE ANALYSIS & LIFE SAFETY PLAN





GENERAL NOTES

CONTACT THE ARCHITECT.

1. VERIFY DIMENSIONS AND EXISTING CONDITIONS BEFORE COMMENCING WORK. REPORT DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH AFFECTED WORK.

2. DIMENSIONS NOTED AS "FIELD VERIFY" SHALL BE CHECKED AT THE SITE BY THE CONTRACTOR AND REVIEWED WITH THE ARCHITECT

BEFORE INCORPORATING INTO THE WORK. 3. DO NOT SCALE DRAWING. WRITTEN DIMENSIONS TAKE PRECEDENCE. IF CLARIFICATION IS REQUIRED IN ORDER TO

DETERMINE THE INTENT OF THE CONTRACT DOCUMENTS,

4. NOTES OR DIMENSIONS LABELED "TYPICAL" SHALL APPLY TO SITUATIONS THAT ARE THE SAME OR SIMILAR.

5. ALL SPACES WITH FLOOR DRAINS TO HAVE FINISHED FLOORS

SLOPED TO DRAIN NOT TO EXCEED 1%. 6. COORDINATE HOUSEKEEPING PAD DIMENSIONS AND LOCATIONS

REINFORCING. 7. UNLESS OTHERWISE NOTED, ALL ELECTRICAL AND MECHANICAL OPERABLE DEVICES SHALL BE MOUNTED WITH THE HIGHEST

OPERABLE CONTROL AT MAX. OF 42" AFF.

WITH EQUIPMENT TO BE INSTALLED. RE: STRUCTURAL FOR

8. ALL REQUIRED CLEARANCES, AS DESCRIBED IN THE TEXAS ACCESSIBILITY STANDARDS (TAS) OF THE ARCHITECTURAL BARRIERS ACT. ARTICLE 9102, TEXAS CIVIL STATUTES (2012), FOR COUNTERTOPS, ALL PLUMBING FIXTURES INCLUDING DRINKING FOUNTAINS, LAVATORIES, URINALS, AND TOILETS WILL BE STRICTLY ENFORCED.

BURDITT

310 Longmire Road Conroe, TX 77304

Land Place Suite 123 Tel: 936.756.3041 Bryan, TX 77803 Tel: 979.977.5846

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THIS PROJECT & THE IDEAS

ISSUANCE:

CONSTRUCTION **DOCUMENTS 60%**

10/14/2025

SEAL:

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OF ANGLETON

PLAN NOTES

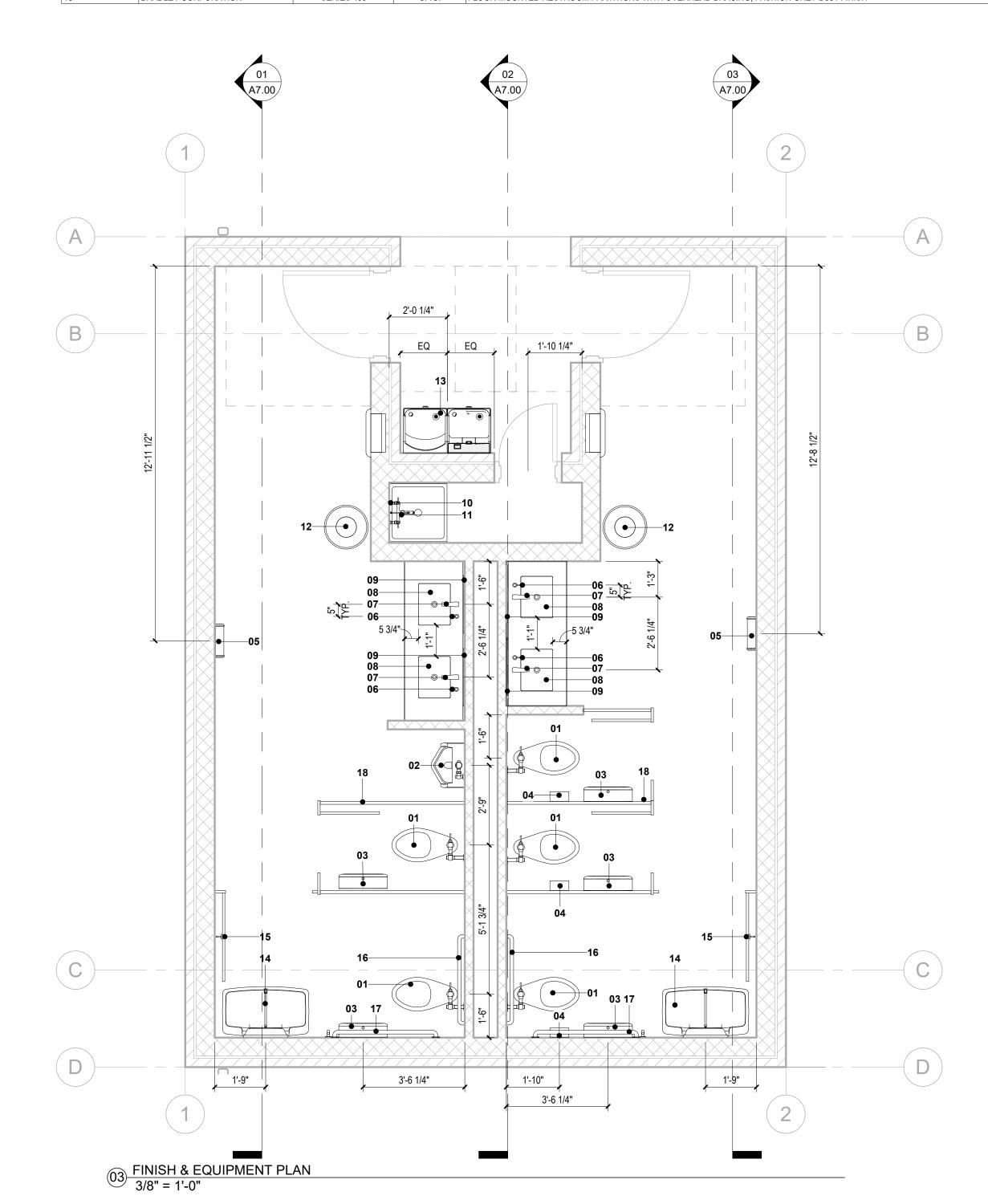
1. PROPOSED FLOOR DRAIN LOCATION. REFERENCE MEP DRAWINGS. 2. PROPOSED DOWNSPOUT LOCATION. CONNECT TO UNDERGROUND STORM, RE: CIVIL.

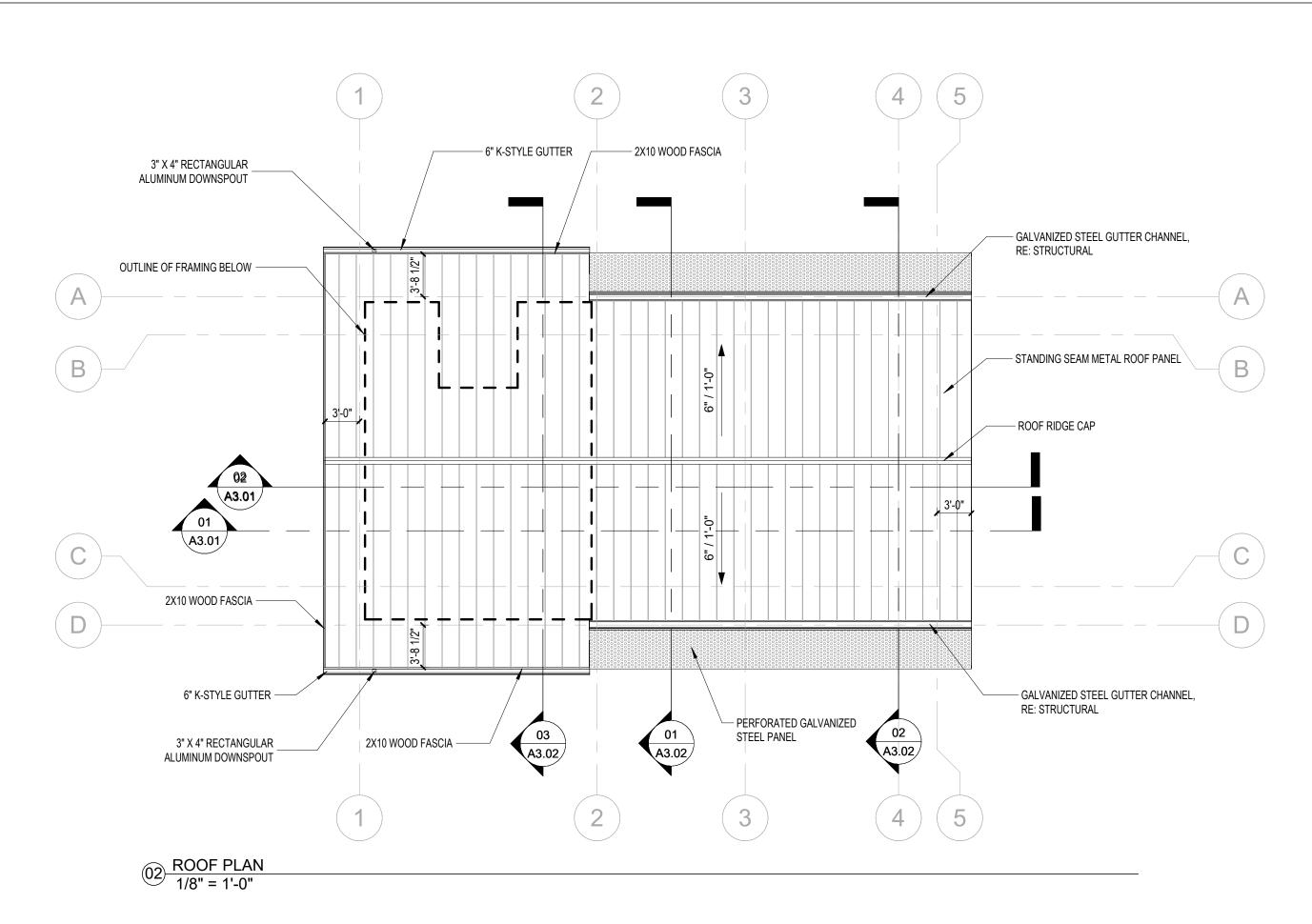
DESIGNER | MG, OG
DRAWER | JT, CV
CHECKER | MG, MK

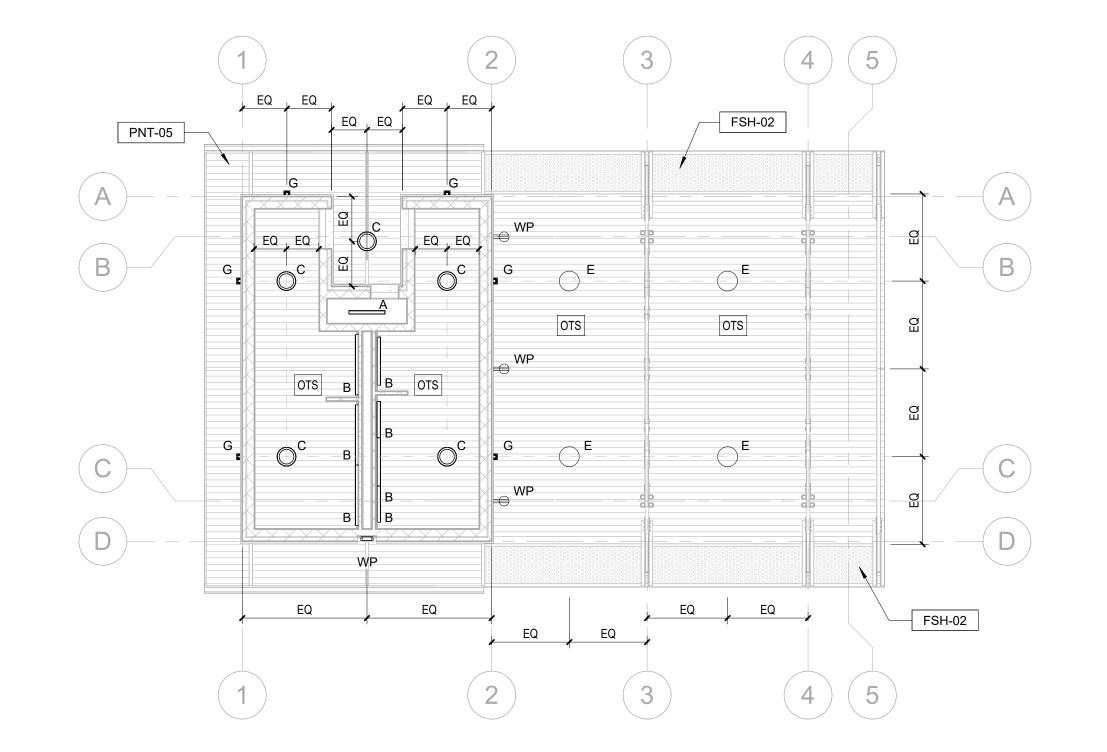
ISSUANCES & REVISIONS							
NO.	DESCRIPTION	DATE					
		+					

FLOOR PLAN

		FIXTU	RE ANI	D EQUIPMENT SCHEDULE
	PRODUCT		FURNISHED/	DECORIDATION
MARK	MANUF.	MODEL	INSTALLED	DESCRIPTION
01	ТОТО	CT705ULNG	CP/CI	FLOOR-MOUNTED TOILET WITH FLUSH VALVE (TET1LAR#CP) AND VACUUM BREAKER SET (VB0932A#CP)
02	ТОТО	UT445U	CP/CI	WALL-MOUNTED URINAL WITH FLUSH VALVE (TEU1UA12#CP) AND VACUUM BREAKER SET (VB0912#CP)
03	BOBRICK	B-2892	CP/CI	SURFACE-MOUNTED TWIN JUMBO ROLL TOILET TISSUE DISPENSER
04	AMERICAN SPECIALTIES INC.	20852	CP/CI	SANITARY WASTE DISPOSAL
05	BOBRICK	B-7120	CP/CI	SURFACE-MOUNTED AUTOMATIC HAND DRYER
06	BRADLEY CORPORATION	6334	CP/CI	MANUAL SOAP DISPENSER
07	SLOAN	ETF-80	CP/CI	LAVATORY SENSOR FAUCET, NO TRIM
08	AMERICAN STANDARD	0315.000	CP/CI	"BOXE" UNDER COUNTER SINK
09	BOBRICK	B-290 2436	CP/CI	WELDED FRAME MIRROR
10	STERN WILLIAMS	SS-2424	CP/CI	FLOOR-MOUNTED SERVICE SINK
11	AMERICAN STANDARD	8354112.004	CP/CI	WALL-MOUNT SERVICE SINK FAUCET
12	BOBRICK	B-2400	CP/CI	FLOOR STANDING TRASH RECEPTACLE
13	ELKAY	VRCTLR8WSK	CP/CI	DUAL DRINKING FOUNTAIN
14	KOALA KARE	KB310-SSWM	CP/CI	BABY CHANGING STATION
15	BRADLEY CORPORATION		CP/CI	COAT HOOK
16	BOBRICK	B-5806 x 36	CP/CI	36" GRAB BAR
17	BOBRICK	B-5806 x 42	CP/CI	42" GRAB BAR
18	BRADLEY CORPORATION	SERIES 400	CP/CI	FLOOR-MOUNTED RESTROOM PARTITIONS WITH OVERHEAD BRACING, FASHION GREY D381 FINISH







01 REFLECTED CEILING PLAN
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO SPECIFICATION DIVISION 09 AND SCHEDULE FOR PAINT PROCEDURES SPECIFIC TO MATERIAL TYPE AND INTERIOR/EXTERIOR CONDITIONS.

2. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN FINISH PLANS AND FINISH SPECIFICATIONS.

3. BLOCK FILLER AND EPOXY PAINT SHALL BE USED ON ALL

4. WHERE SEALED AND/OR EXPOSED CONCRETE FINISH IS INDICATED, PROVIDE AN APPROVED PROTECTIVE COVERING FOR THE DURATION OF THE WORK PRIOR TO FINISHING.

5. ALL EXPOSED WOOD FRAMING TO BE PRESSURE TREATED.

6. REFER TO REFLECTED CEILING PLANS FOR CEILING FINISHES AND MATERIALS.

EXPOSED CMU BLOCK WALLS.

7. WHERE MULTIPLE FINISHES ON A SINGLE WALL, INSTALLER TO VERIFY EXTENTS OF EACH WALL FINISH WITH INTERIOR ELEVATIONS AND SECTION DETAILS.

8. ALL FLOORS FINISH CHANGES SHALL OCCUR AT THE CENTERLINE OF DOORS UNLESS NOTED OTHERWISE. ALL FLOOR FINISH CHANGES SHALL HAVE THRESHOLDS OR REDUCER STRIPS.

9. CONTRACTOR TO COORDINATE LOCATION OF ROOF DRAINS WITH BUILDING STRUCTURE COMPONENTS.

10. REFER TO MEP DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL ROOF PENETRATIONS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL REQUIRED ROOF PENETRATIONS TO AVOID CONFLICT WITH ROOF STRUCTURE AND OTHER TRADES.

11. PROVIDE METAL DRIP EDGE FLASHING AT ALL ROOF EDGES.

12. FURNISHED BY ACRONYMS: IC - IN CONTRACT NIC - NOT IN CONTRACT OP - OWNER PROVIDED CI - CONTRACTOR INSTALLED

13. CONTRACT SCOPE INCLUDES PROVISION OF BLOCKING, POWER, WATER, DATA, ETC. AS NEEDED PER EQUIPMENT REQUIREMENTS, TO BE COORDINATED WITH ELECTRICAL, PLUMBING, INFORMATION TECHNOLOGY, AND OWNER FOR CONFORMANCE.

14. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD, AND CLEARANCES REQUIRED BY ALL EQUIPMENT, SPECIALTIES, AND FURNISHINGS PROVIDED IN CONTRACT DOCUMENTS AND PROVIDED BY OWNER, PRIOR TO FABRICATION OF ALL MILLWORK/CASEWORK.

15. OTS: "OPEN TO STRUCTURE", WHERE TIMBER STRUCTURE IS EXPOSED, WOOD SURFACE TO BE PROTECTED PER MANUFACTURER/INSTALLER SPECIFICATIONS AND REQUIREMENTS. ALL PUBLICLY VISIBLE ATTACHMENTS TO WOOD STRUCTURE ARE TO BE ORDERLY, FREE OF MARKINGS, AND CLEANED PRIOR TO COMPLETION.

16. REFER TO ELECTRICAL PLANS FOR LIGHTING FIXTURE SCHEDULE AND LOCATIONS OF EACH SCHEDULED FIXTURE. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ELECTRICAL PLANS REGARDING LIGHTING FIXTURE PLACEMENT.

17. REFER TO ELECTRICAL DRAWINGS FOR EXIT SIGNAGE. TO COMPLY WITH ALL LOCAL CODES AND BE INSTALLED PER A.H.J..

> SURFACE WALL MOUNT LED STRIP ABOVE DOOR HEADER

SURFACE WALL MOUNT LED TROFFER WALL WASH

LED PENDANT DOWNLIGHT CAN

PENDANT MOUNT HIGH BAY

DECORATIVE WALL MOUNT

WALL PACK FIXTURE

PENDANT FAN

18. ALL EXPOSED CONDUIT RUNS TO BE MOUNTED SECURELY TO FASHION IN ALL PUBLIC SPACES MARKED AS OPEN TO STRUCTURE (OTS). CONDUIT IS TO BE RIGID UNLESS NOTED OTHERWISE. WHERE CONDUIT IS ATTACHED TO PAINTED STEEL STRUCTURAL MEMBERS, CONDUIT SHALL BE PAINTED TO MATCH.

RCP LEGEND

— A

C

 \square G

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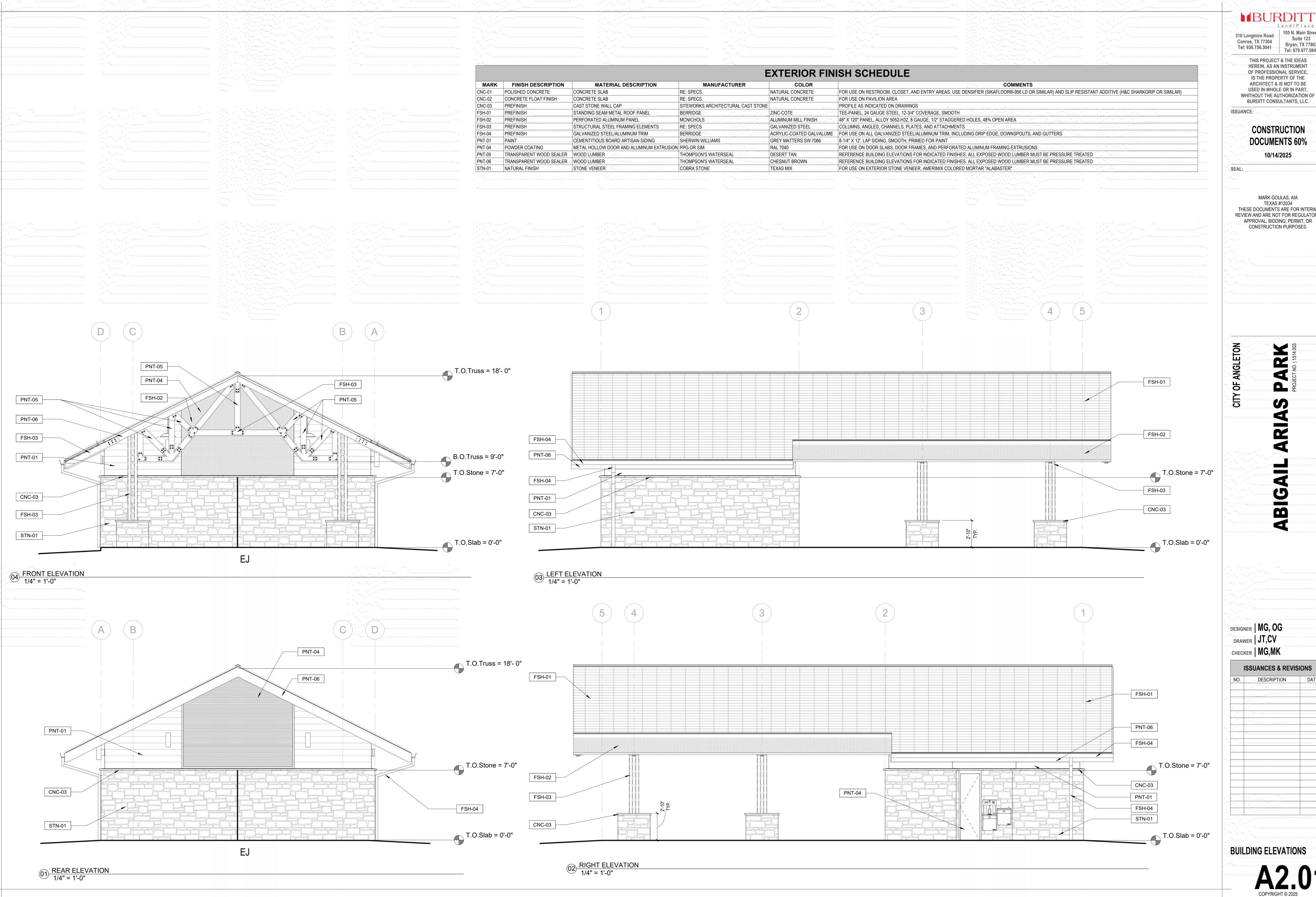
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DESIGNER | MG, OG DRAWER JT, CV CHECKER | MG, MK

ISSUANCES & REVISIONS DESCRIPTION

ROOF PLAN AND RCP PLAN



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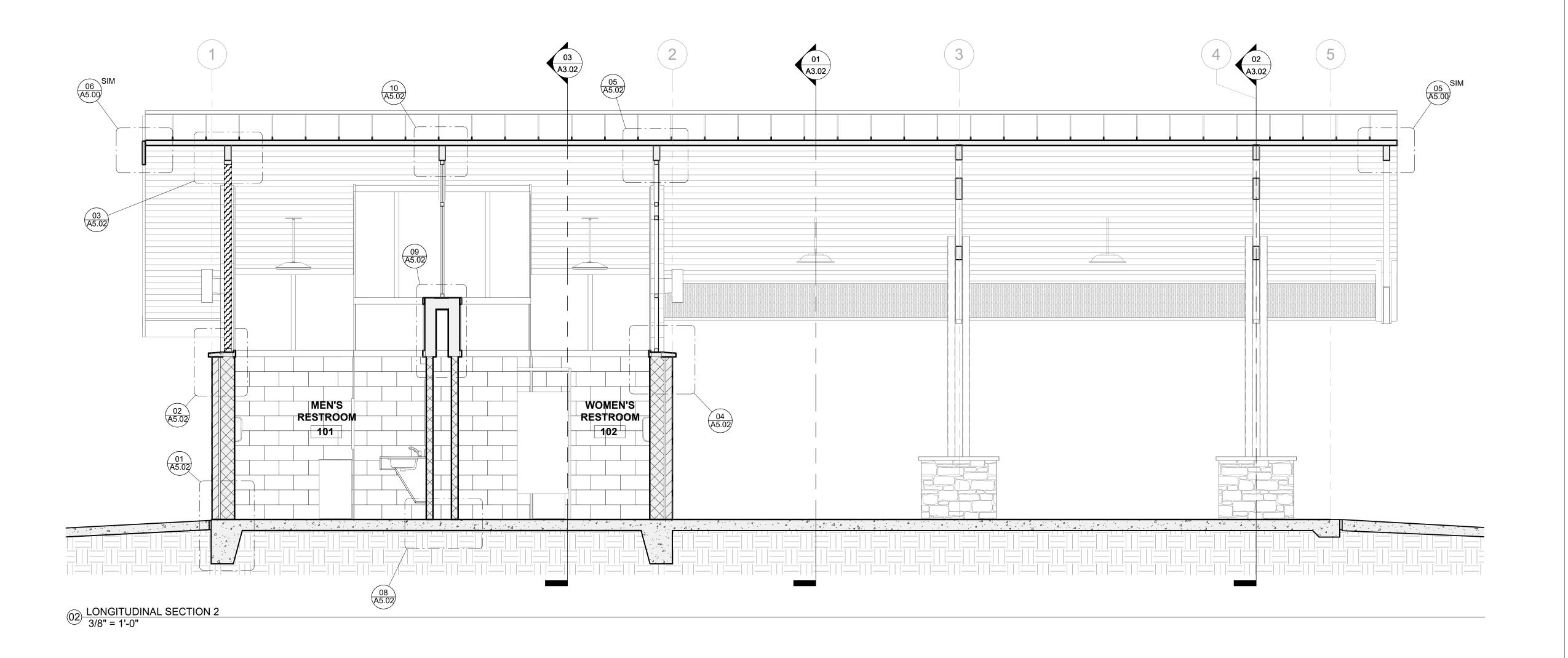
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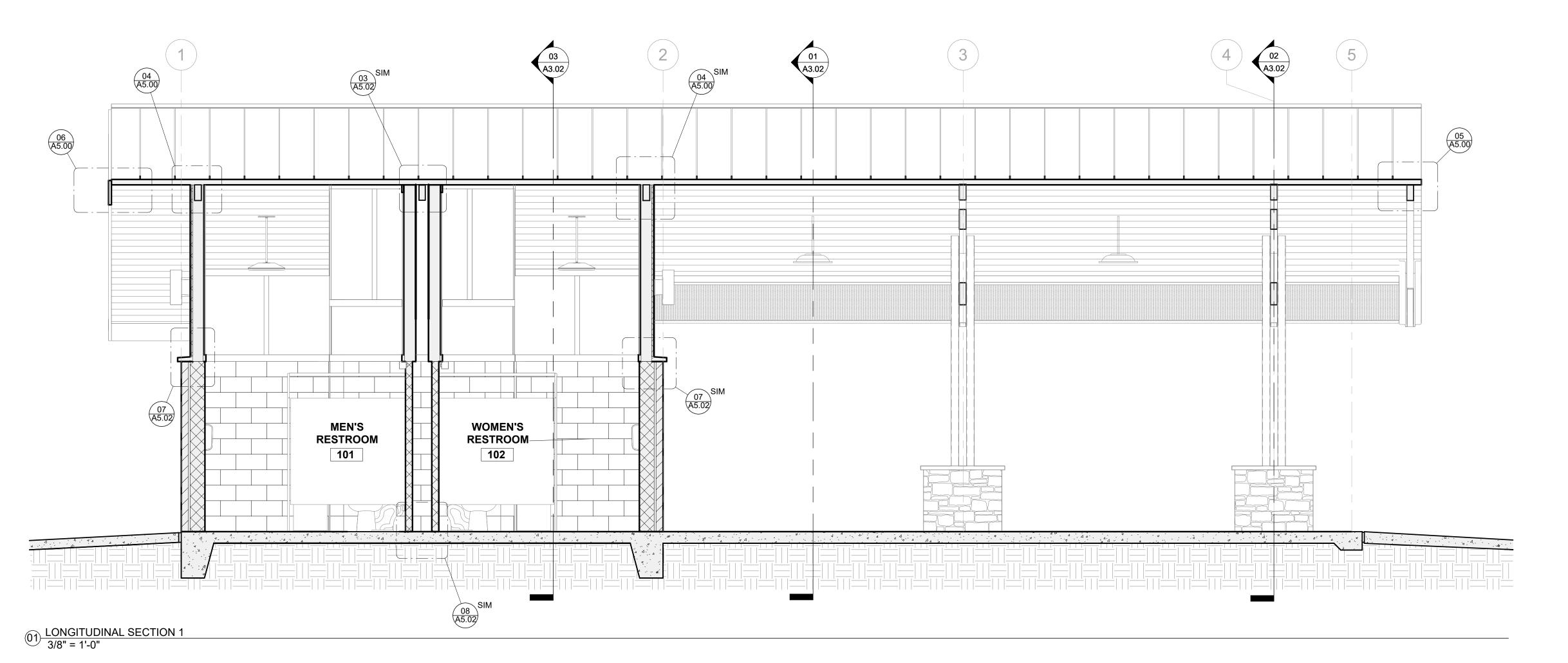
ABIG,

DESIGNER | MG, OG

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BUILDING ELEVATIONS





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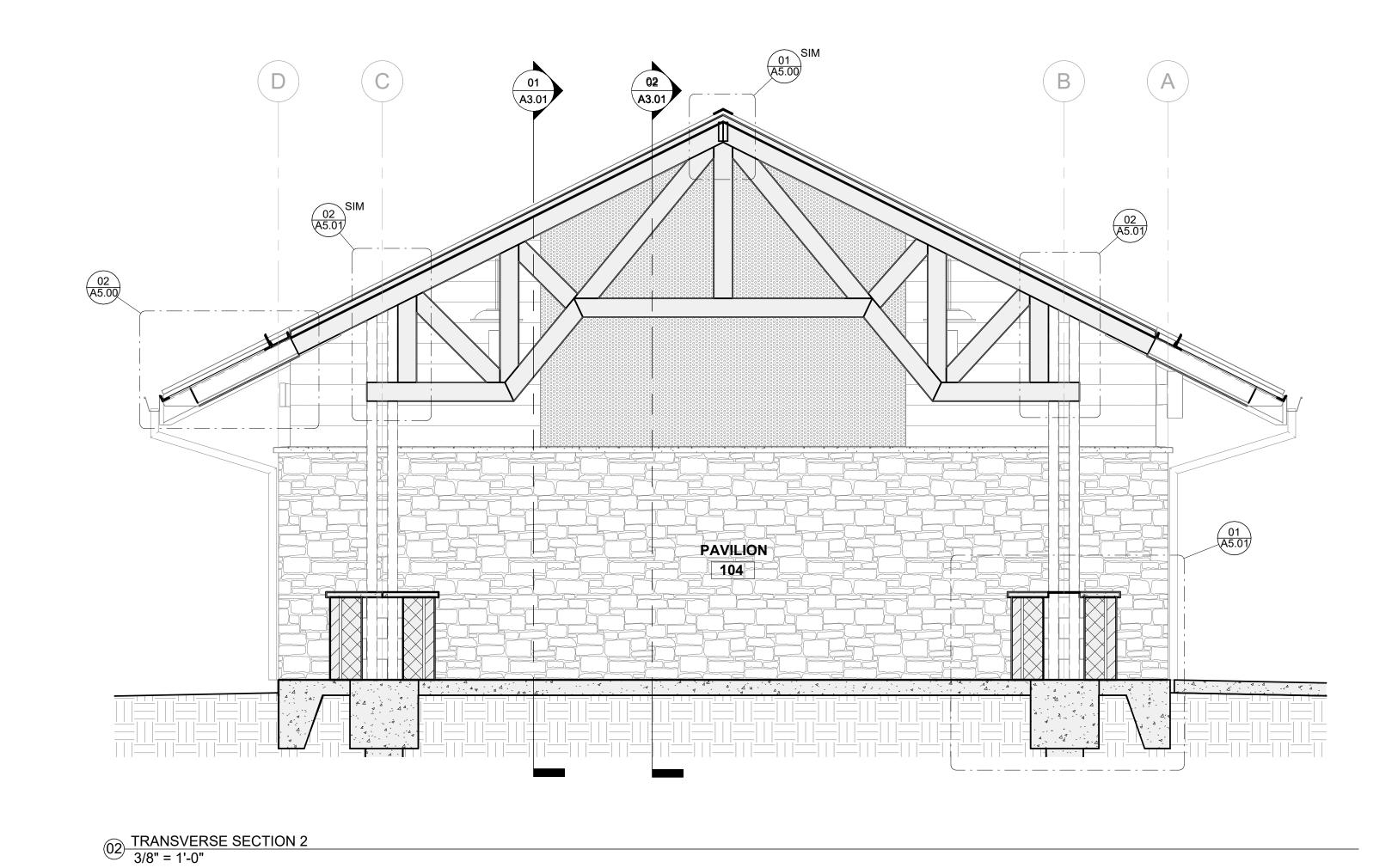
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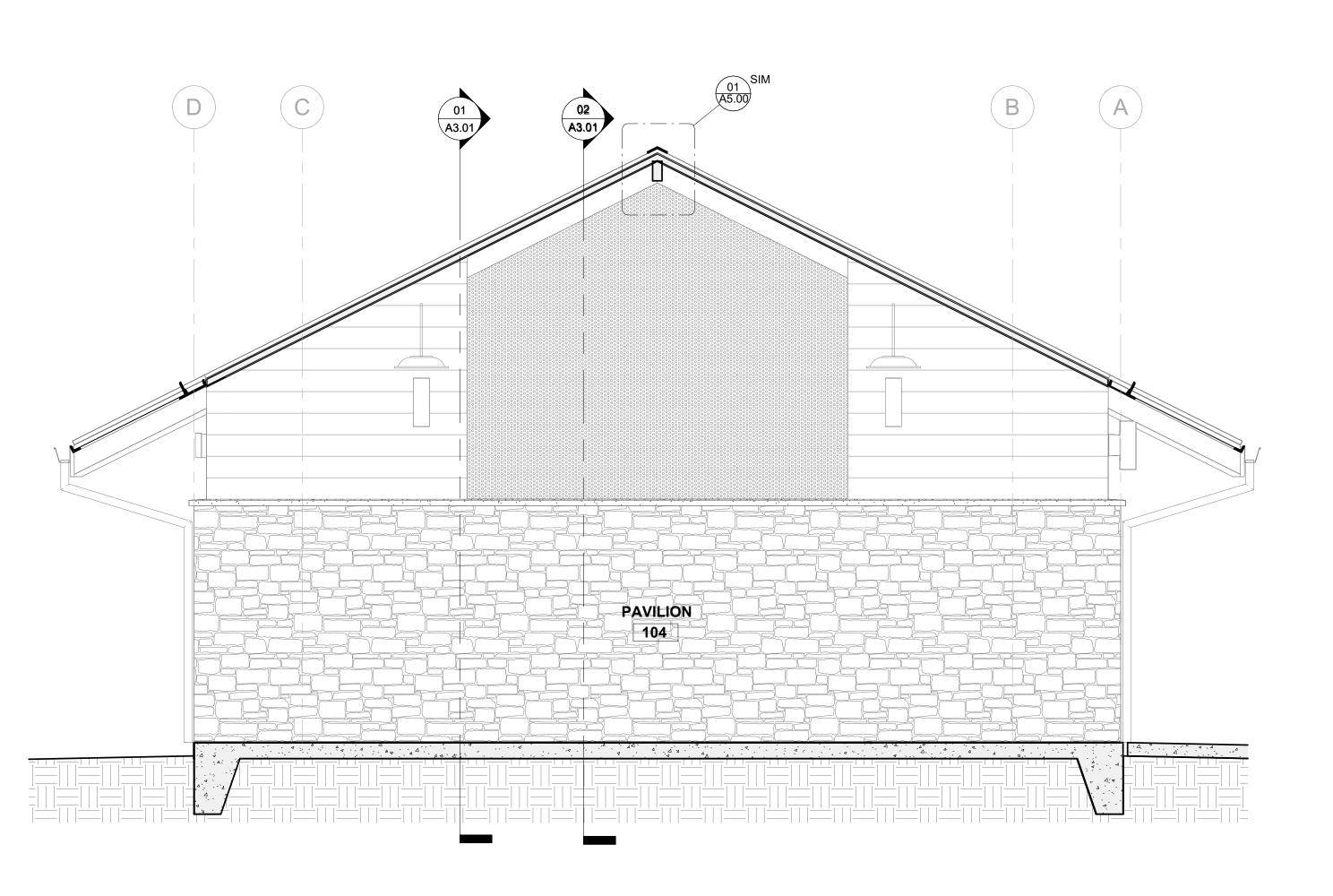
ISSUANCES & REVISIONS						
NO.	DESCRIPTION	DATE				

BUILDING SECTIONS



WOMEN'S RESTROOM 102 01 A5.02

03 TRANSVERSE SECTION 3
3/8" = 1'-0"



①1 TRANSVERSE SECTION 1
3/8" = 1'-0"

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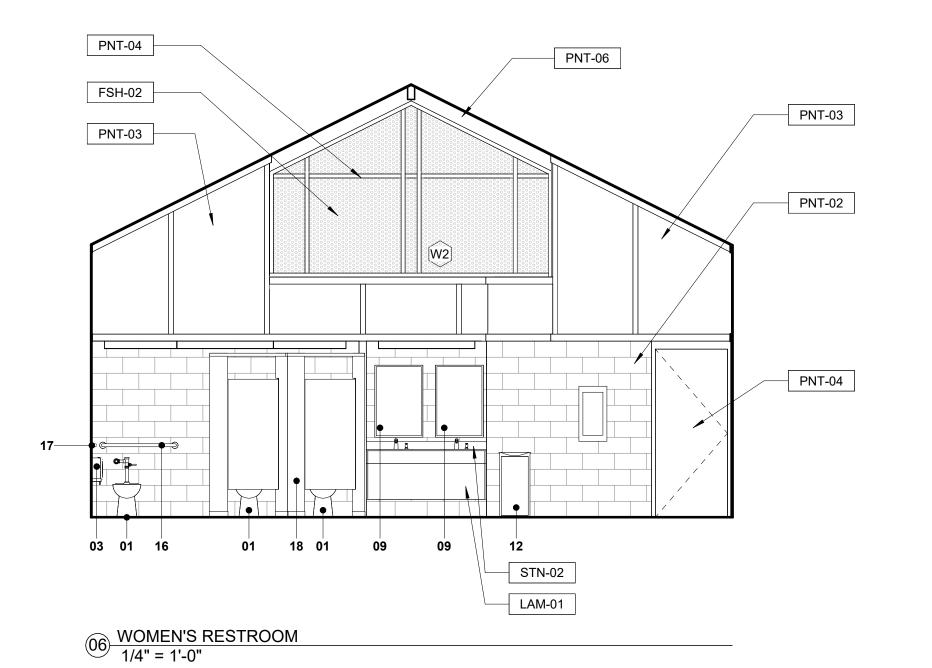
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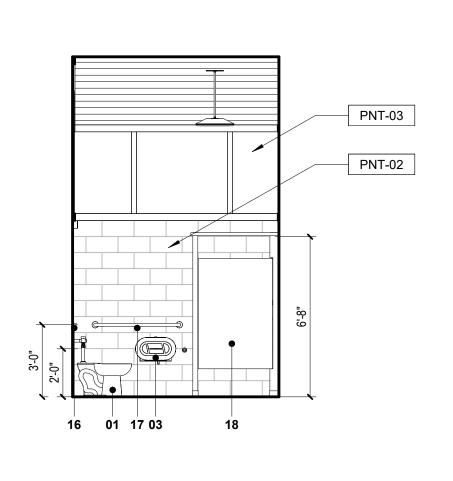
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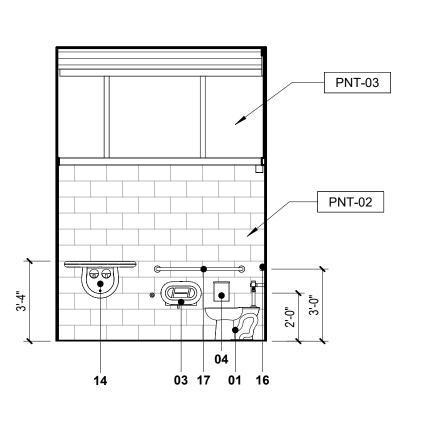
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NO.	DESCRIPTION	DATE						

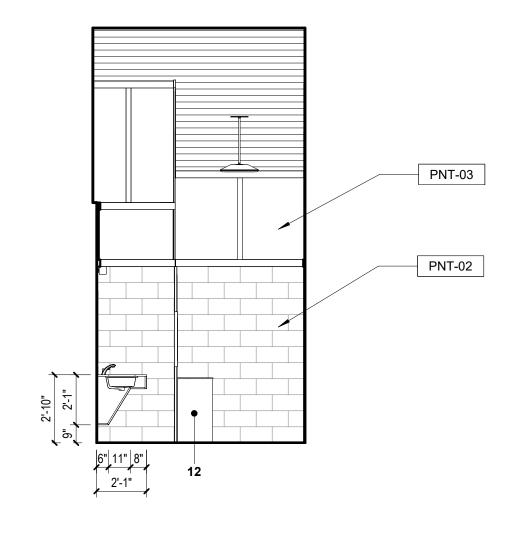
BUILDING SECTIONS

INTERIOR FINISH SCHEDULE								
MARK	FINISH DESCRIPTION	MATERIAL DESCRIPTION	MANUFACTURER	COLOR	COMMENTS			
CNC-01	POLISHED CONCRETE	CONCRETE SLAB	RE: SPECS.	NATURAL CONCRETE	FOR USE ON RESTROOM, CLOSET, AND ENTRY AREAS. USE DENSIFIER (SIKAFLOOR®-956 LD OR SIMILAR) AND SLIP RESISTANT ADDITIVE (H&C SHARKGRIP OR SIMILAR)			
CNC-02	CONCRETE FLOAT FINISH	CONCRETE SLAB	RE: SPECS.	NATURAL CONCRETE	FOR USE ON PAVILION AREA			
FSH-02	PREFINISH	PERFORATED ALUMINUM PANEL	MCNICHOLS	ALUMINUM MILL FINISH	48" X 120" PANEL, ALLOY 5052-H32, 8 GAUGE, 1/2" STAGGERED HOLES, 48% OPEN AREA			
FSH-04	PREFINISH	GALVANIZED STEEL/ALUMINUM TRIM	BERRIDGE	ACRYLIC-COATED GALVALUME	FOR USE ON ALL GALVANIZED STEEL/ALUMINUM TRIM, INCLUDING DRIP EDGE, DOWNSPOUTS, AND GUTTERS			
LAM-01	LAMINATE	LAVATORY CASEWORK	WILSONART	FASHION GREY	SHEET TYPE 107 "HG", #38 FINE VELVET FINISH. INSTALLED ON OUTDOOR GRADE SUBSTRATE.			
PNT-02	PAINT	CMU (INTERIOR FACE)	SHERWIN WILLIAMS	RHINESTONE SW 7656	FLAT SHEEN. PRIMER AS REQUIRED. REFERENCE SPECIFICATIONS FOR APPLICATION AND SURFACE PREPARATION RECCOMENDATIONS			
PNT-03	PAINT	CEMENTITIOUS BOARD PANEL	SHERWIN WILLIAMS	RHINESTONE SW 7656	FLAT SHEEN. PIMER AS REQUIRED.REFERENCE SPECIFICATIONS FOR APPLICATION AND SURFACE PREPARATION RECCOMENDATIONS			
PNT-04	POWDER COATING	METAL HOLLOW DOOR AND ALUMINUM EXTRUSION	PPG OR SIM.	RAL 7040	FOR USE ON DOOR SLABS, DOOR FRAMES, AND PERFORATED ALUMINUM FRAMING EXTRUSIONS			
PNT-05	TRANSPARENT WOOD SEALER	WOOD LUMBER	THOMPSON'S WATERSEAL	DESERT TAN	REFERENCE BUILDING ELEVATIONS FOR INDICATED FINISHES. ALL EXPOSED WOOD LUMBER MUST BE PRESSURE TREATED			
PNT-06	TRANSPARENT WOOD SEALER	WOOD LUMBER	THOMPSON'S WATERSEAL	CHESNUT BROWN	REFERENCE BUILDING ELEVATIONS FOR INDICATED FINISHES. ALL EXPOSED WOOD LUMBER MUST BE PRESSURE TREATED			
STN-02	NATURAL FINISH	COUNTERTOP	WILSONART	SEA ICE Q1024	2 CMS, POLISHED, 4" BACKSPLASH			





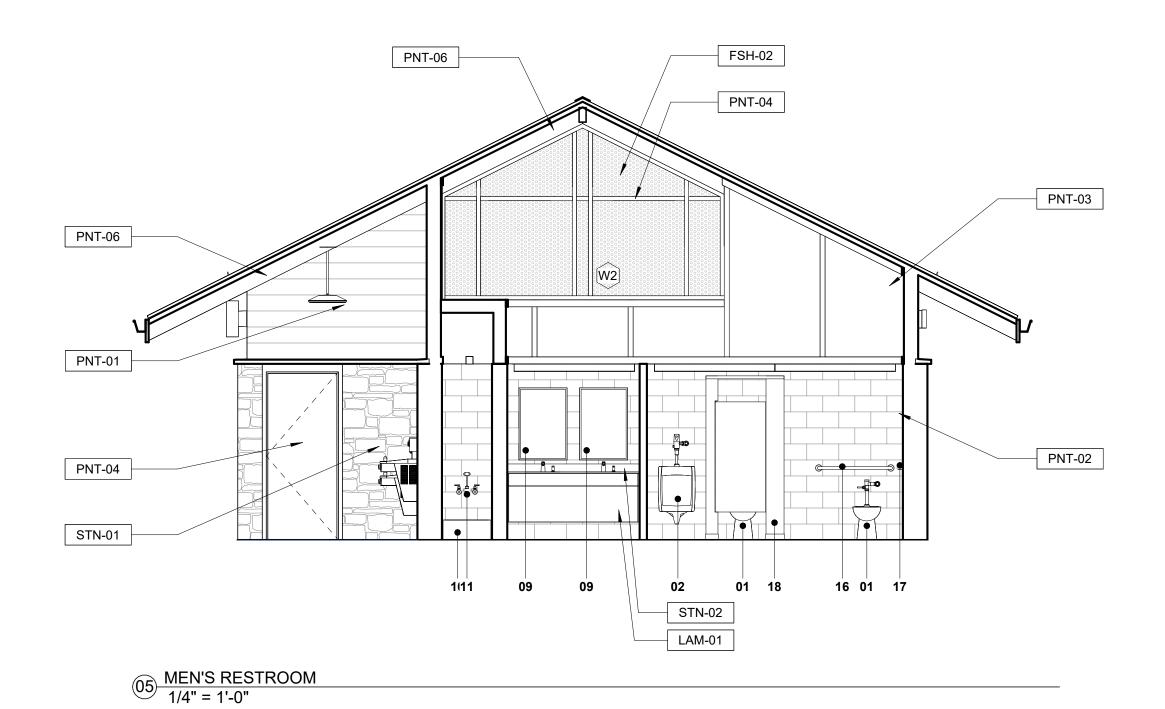


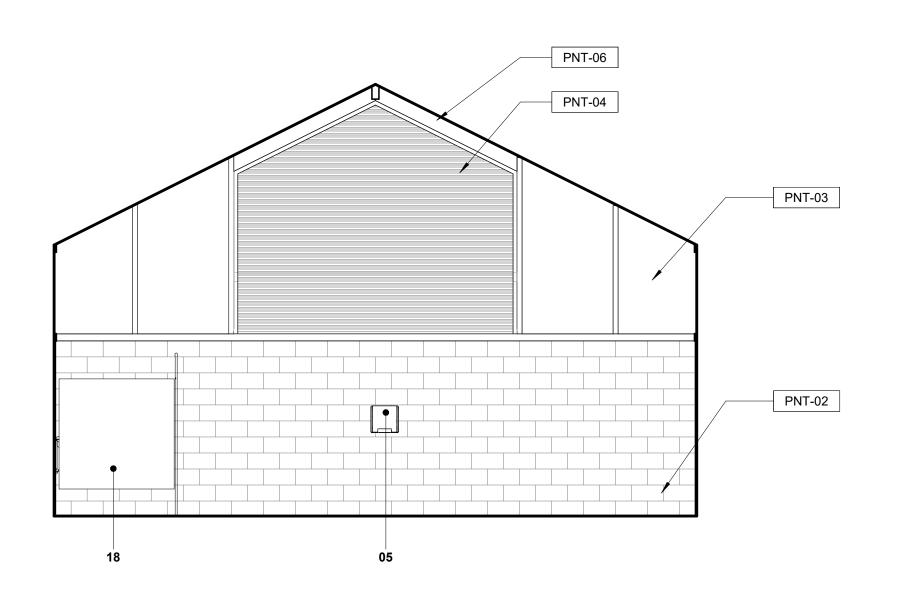


04 MEN'S RESTROOM 1/4" = 1'-0"

WOMEN'S RESTROOM SHORT
1/4" = 1'-0"

02 WOMEN'S RESTROOM 1/4" = 1'-0"





01 WOMEN'S RESTROOM
1/4" = 1'-0"

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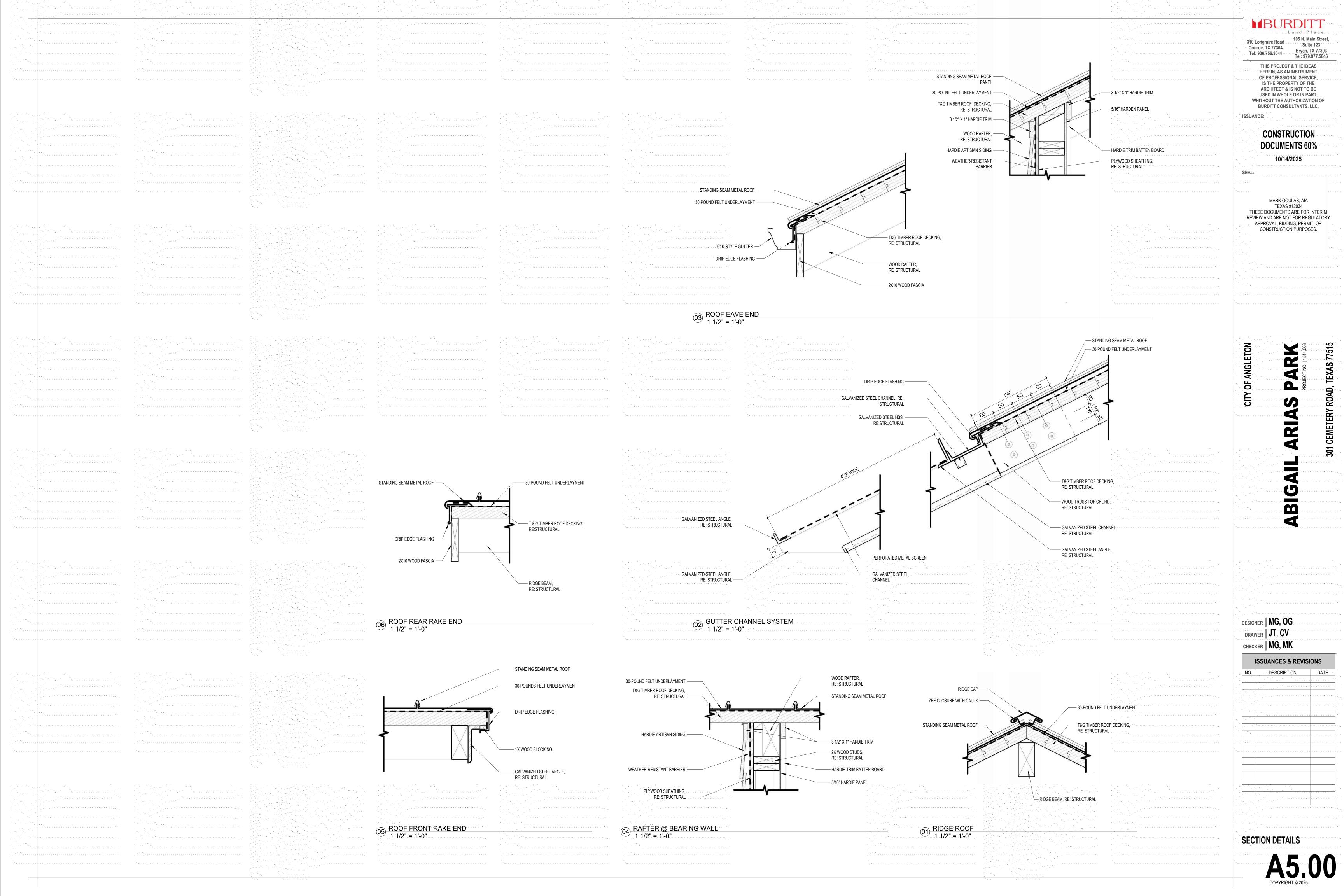
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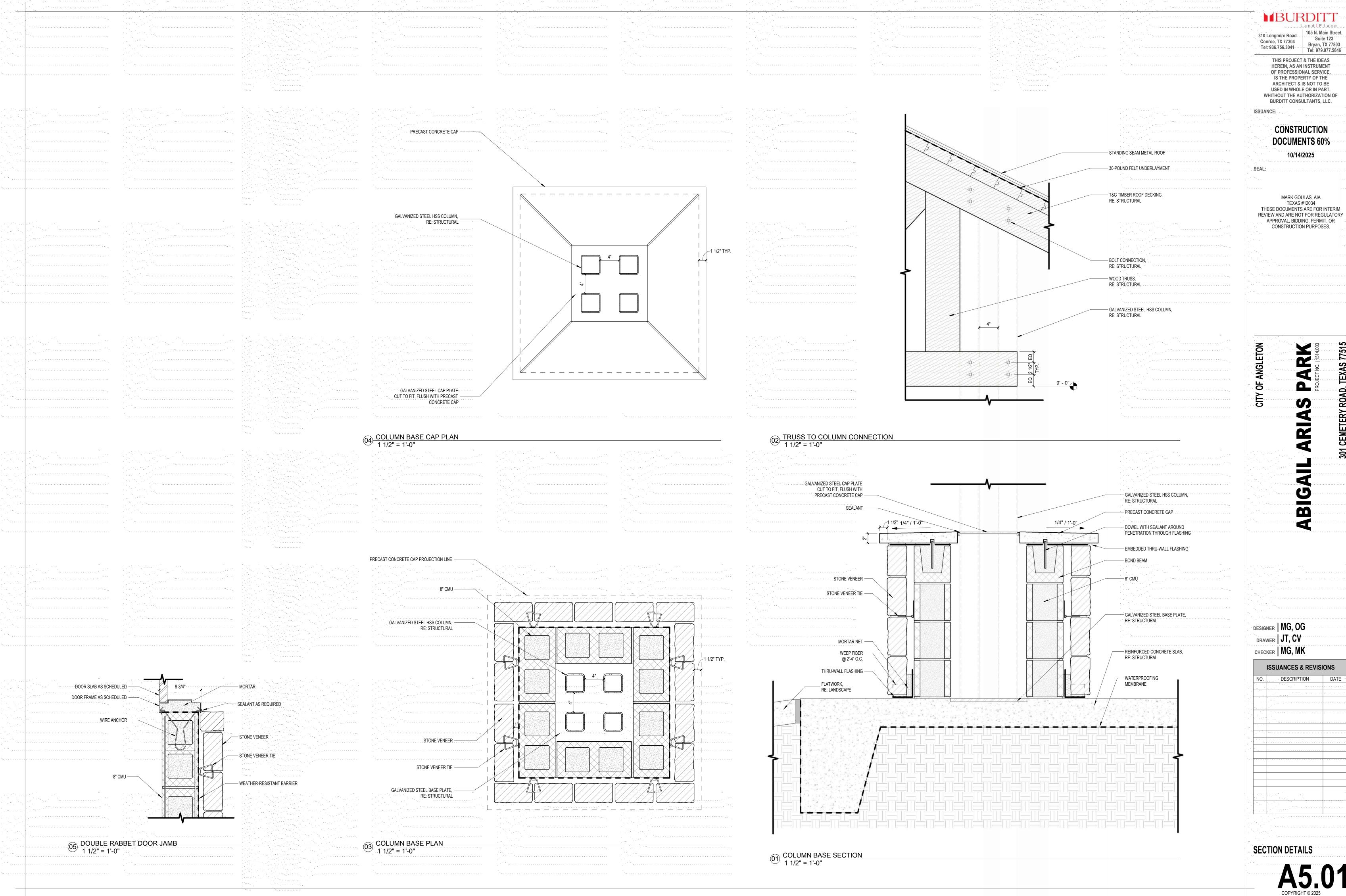
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DESIGNER | MG, OG DRAWER JT, CV CHECKER MG, MK

ISSUANCES & REVISIONS								
NO.	DESCRIPTION	DATE						
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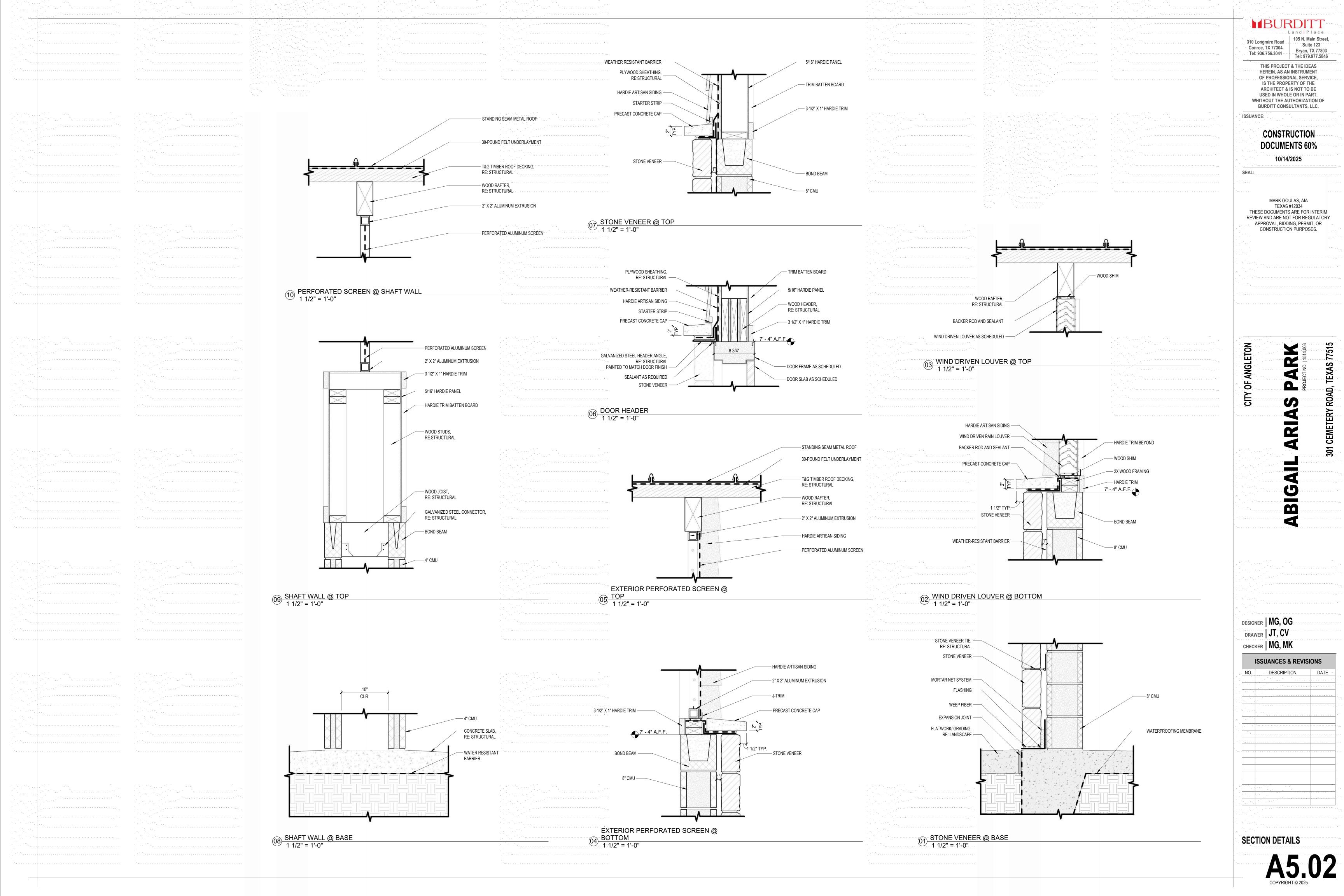
INTERIOR ELEVATIONS





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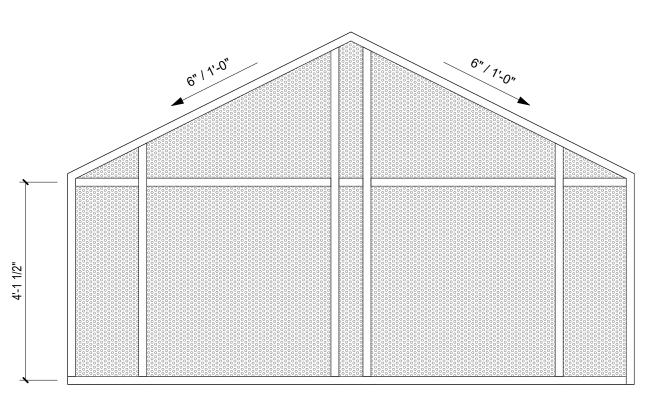
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ISSUANCES & REVISIONS DESCRIPTION

PERSPECTIVES

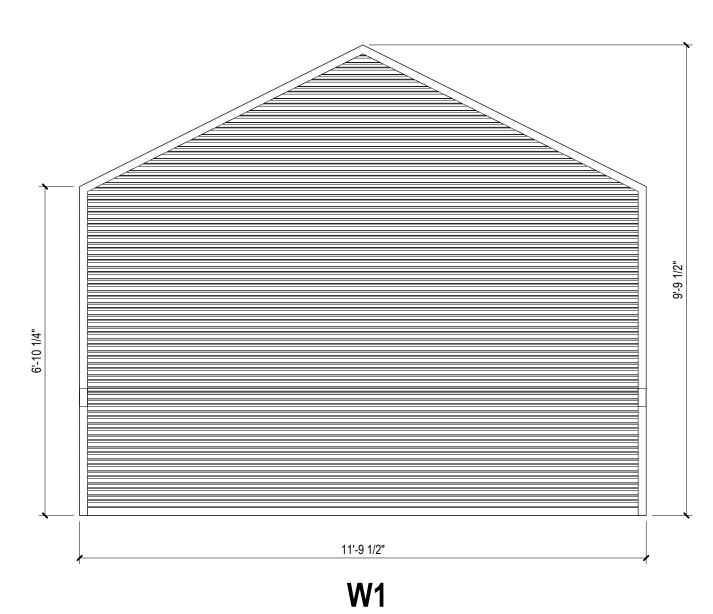
W3





W2

©2 PARTITION PERFORATED SCREEN 1/2" = 1'-0"



$\widehat{01}$	STATIONARY LOUVER (GREENHECK, EDD-401) 1/2" = 1'-0"
01)	1/2" = 1'-0"

	DOOR SCHEDULE								
DOOR#	DOOR TYPE	DOOR SLAB WIDTH	DOOR SLAB HEIGHT	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	HARDWARE SET	COMMENTS	
101	D01	3' - 0"	7' - 0"	HM	F01	HM	1		
102	D01	3' - 0"	7' - 0"	HM	F01	HM	1		
102	D04	ט טי	7! 0"	LIM	E04	LIM	2		

MATERIAL LEGEND

HM = HOLLOW METAL

PS = POWDER COATED STEEL

SS = STAINLESS STEEL

HARDWARE SETS

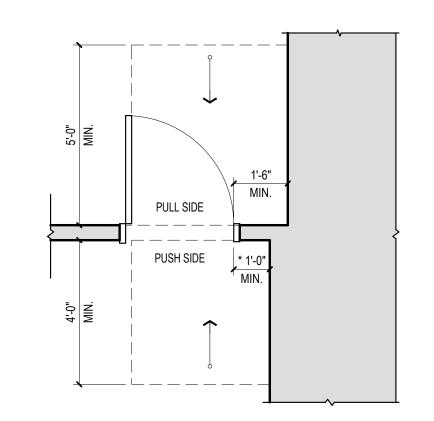
HARDWARE SET #1

MOBILE ENABLED WIRELESS CYLINDRICAL LOOK, NDEB SERIES, SCHLAGE SFIC SMALL FORMAT INTERCHANGEABLE CORE,G, SCHLAGE RHODES LEVER, RHO, SCHLAGE, 626 SATIN CHROME BACKSET AND LATCH,13-247,SCHLAGE STRIKE PLATE,47267101,SCHLAGE,626 SATIN CHROME FLOOR STOP, FS444, IVES, 66 SATIN CHROME DOOR SILENCER, SR64, IVES 8" KICK PLATE, 8400, IVES,626 SATIN CHROME SADDLE THRESHOLD,547, ZERO,ALUMINUM MILL FINISH DOOR SWEEP,339, ZERO,ALUMINUM MILL FINISH HEAD AND JAMB GASKETING, 328,IVES, ALUMINUM CLEAR ANODIZED DOOR CLOSER, 4040XP, LCN, RAL 7040, HINGE(PULL) SIDE MOUNT, REGULAR ARM

HARDWARE SET #2

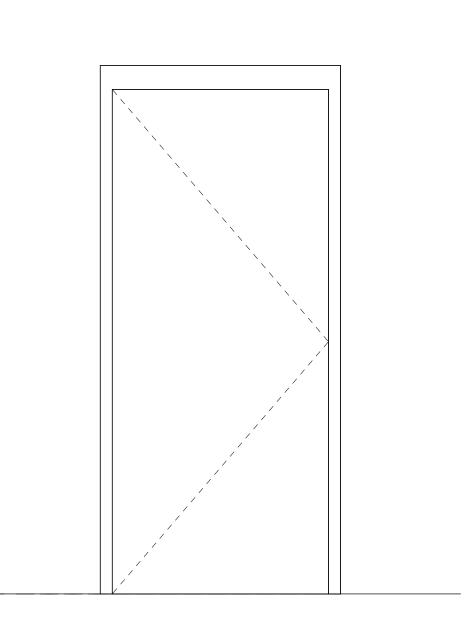
MECHANICAL STOREROOM LOCK, ND80, SCHLAGE SFIC SMALL FORMAT INTERCHANGEABLE CORE, G, SCHLAGE RHODES LEVER, RHO, SCHLAGE, 626 SATIN CHROME BACKSET AND LATCH,13-247, SCHLAGE STRIKE PLATE, 10-025, SCHLAGE,626 SATIN CHROME DOOR SILENCER, SR64, IVES SADDLE THRESHOLD,547, ZERO,ALUMINUM MILL FINISH DOOR SWEEP,339, ZERO,ALUMINUM MILL FINISH HEAD AND JAMB GASKETING, 328, IVES, ALUMINUM CLEAR ANODIZED DOOR CLOSER, 4040XP, LCN, RAL 7040, EDA MOUNT, HEDA ARM

DOOR CLEARANCE, TYP.



NOTES: 1.(*) WITH LATCH AND CLOSER 2. VERIFY REQUIRED CLEARANCES ARE MET PRIOR TO INSTALLATION OF FRAMES. NOTIFY ARCHITECT OF DISCREPANCIES.

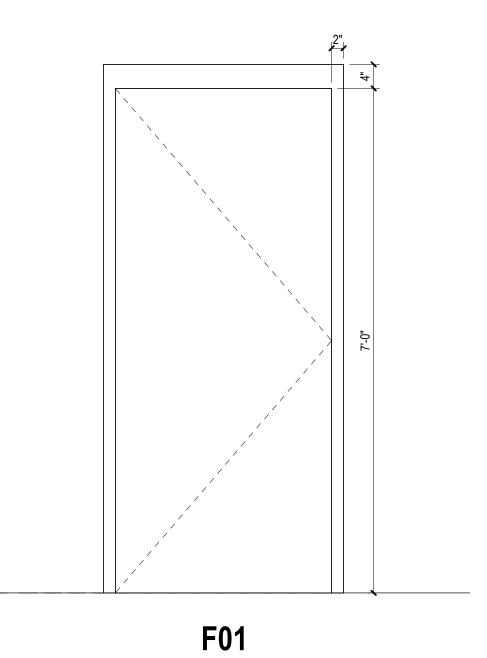
DOOR TYPE



D01

ENTRY

FRAME TYPE



RE: ELEVATIONS RE: ELEVATIONS

ROOM FINISH SCHEDULE ROOM NUMBER SOUTH WALL NAME **FLOOR WEST WALL** NORTH WALL MEN'S RESTROOM PNT-02/PNT-03 PNT-02/PNT-03 WOMEN'S RESTROOM CNC-01 PNT-02/PNT-03 PNT-02/PNT-03 PNT-02/PNT-03 CNC-01 CLOSET PNT-02/PNT-03 PNT-02/PNT-03 PNT-02/PNT-03 PNT-02/PNT-03 PAVILION CNC-02 RE:ELEVATIONS RE: ELEVATIONS RE:ELEVATIONS RE: ELEVATIONS

RE:ELEVATIONS

RE:ELEVATIONS

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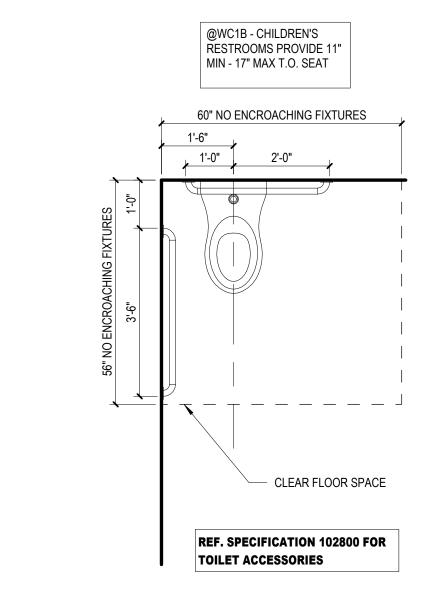
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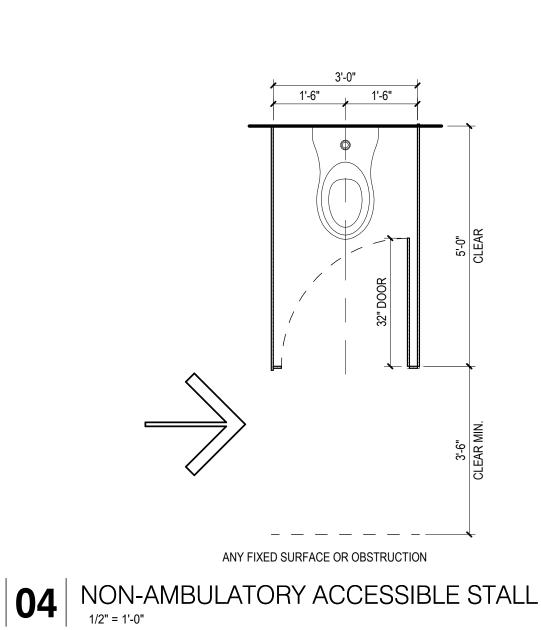
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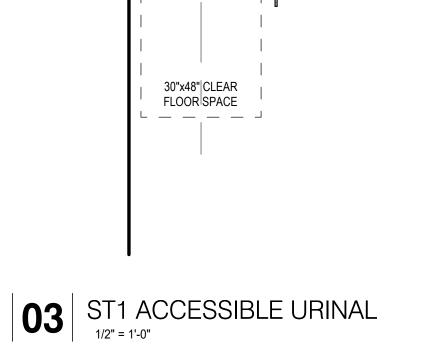
IS	SUANCES & REVI	SIONS
NO.	DESCRIPTION	DA

SCHEDULES



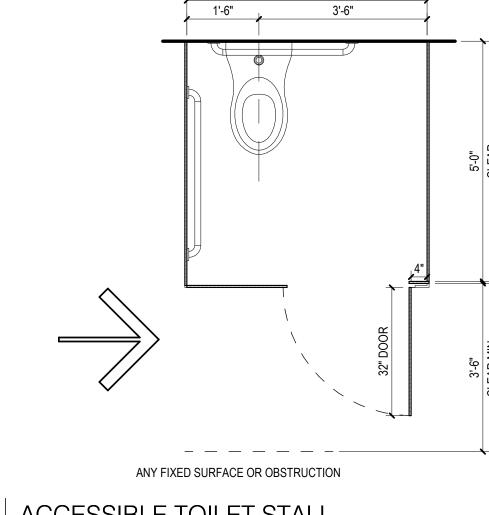




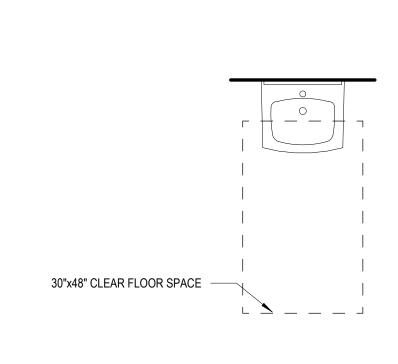


FIRE EXTINGUISHER CABINET

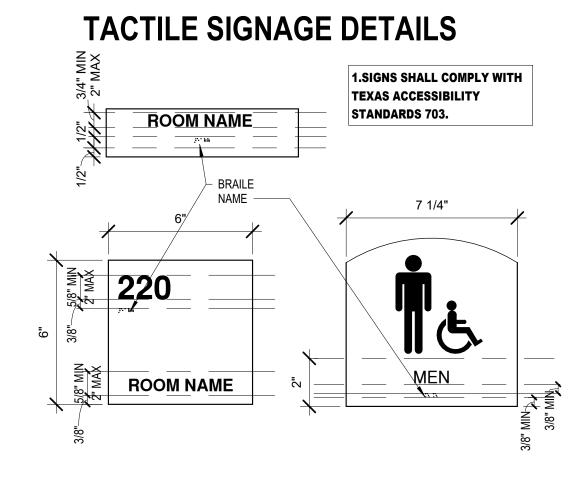
WALL OR TOILET PARTITION AS SHOWN ON PLAN

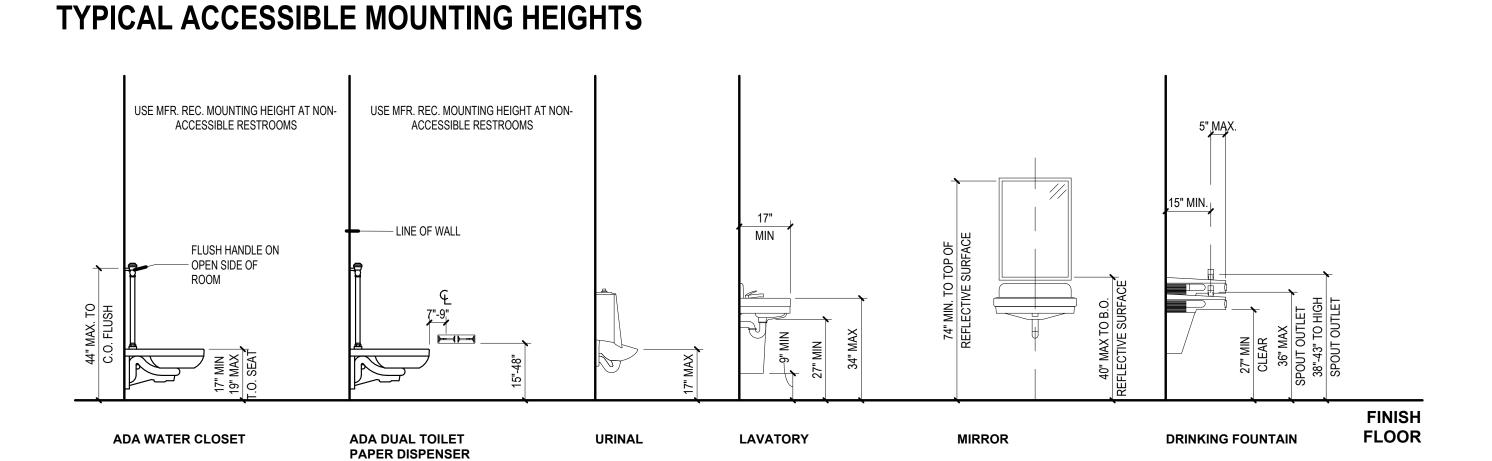


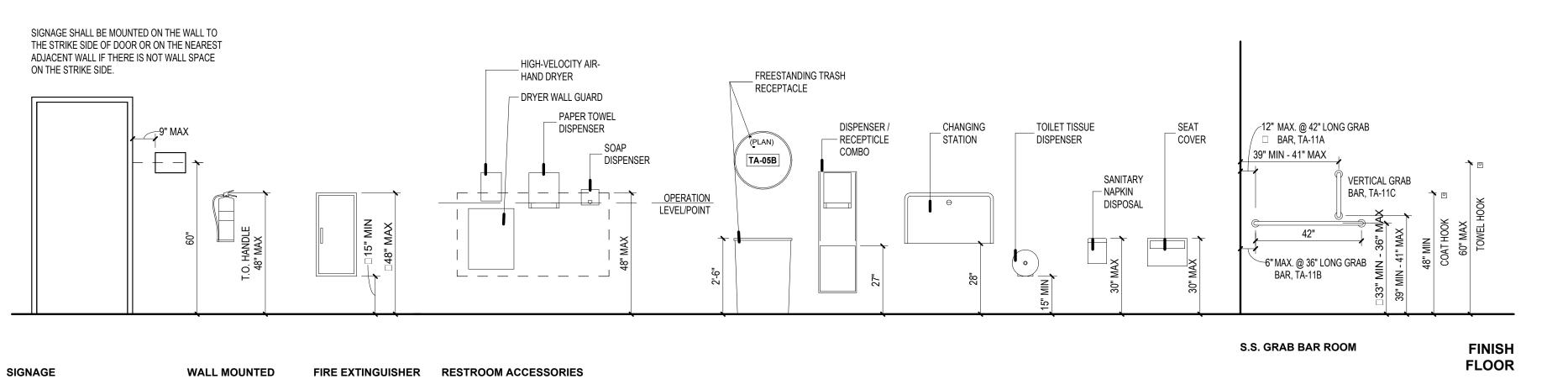




ACCESSIBLE LAVATORY
1/2" = 1'-0"







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CITY OF ANGLETON

301 CEMETERY ROAD, TEXAS 77515

DESIGNER | MG, OG DRAWER JT, CV CHECKER | MG, MK

ISSUANCES & REVISIONS DESCRIPTION

TYPICAL DIAGRAMS & RR **ACCESSORY SCHEDULE**

2. ACI 301, Specifications for Structural Concrete for Buildings. 3. CRSI - Manual of Standard Practice.

C. STRUCTURAL STEEL CODES

1. AISC - Steel Construction Manual, Fiftteenth Edition. ANSI/AWS D1.1, American Welding Society - Steel.

D. MASONRY CODES

2. ACI 530.1 / ASCE 6, Specification for Masonry Structures.

E. COLD FORMED STEEL (LIGHT GAGE METAL) CODE

1. American Iron and Steel Institute (AISI) "Specification for the Design of Cold Formed Steel Structural Members", Latest Edition.

F. WOOD CODE

1. NDS – National Design Specification for Wood Construction (2005).

G. CONFLICTS IN STRUCTURAL REQUIREMENTS

1. Where conflict exists among the various parts of the Structural and architectural Contract Documents, (Structural Drawings, General Notes, Specifications) the strictest requirements

2. All Codes and Specifications listed above shall include all amendments and addenda in force at the date of the contract documents

TYPICAL DETAILS

Details labeled "Typical Details" on the Drawings shall apply to all situations occurring on the Project that are the same or similar to those specifically detailed. Such details shall apply whether or not they are keyed in at each location. Questions regarding applicability of Typical Details shall be determined by the Engineer.

DESIGN CRITERIA

A. DEAD LOADS

1. Dead loads. Dead load materials assumed in the design are shown on the Architectural and

2. Partitions: An allowance of 20 psf has been made for partitions as a uniformly distributed live load, wherever partitions are used and location subject to change excluding public lobbies, corridors, restrooms, and places of public assembly.

B. LIVE LOADS

CONCENTRATED OCCUPANCY UNIFORM LOAD LOAD (#) Handrails and guards 50plf or 200lbs applied at top rail in any direction Intermediate rails = 50lbs applied in any direction. Offices Public areas and corridors Roofs Ordinary flat, pitched, or curved 20 Awnings and canopies (fabric) Awnings and canopies (other) 20 Storage: Light

C. WIND LOADS ASCE 7-22

Basic wind speed (3-second gust) = 150 mph Risk Factor II

Yards and terraces, Pedestrian

Exposure Factor = C

D. SNOW LOAD ASCE 7-22 Pf = 5 psf

E. SEISMIC LOADS ASCE 7-22

Mapped acceleration parameters: Ss = 0.073, S1=0.04

Site Class = D 3. Importance factor, I = 1.0

4. Spectral response coefficients: SDS = 0.065, SD1 = 0.06 Seismic design category = A

IV FOUNDATION - GENERAL

A. GEOTECHNICAL REPORT

1. Foundation design is based on the following geotechnical report:

July 3, 2025

Proposed: "City of Angleton - Abigail Arias Park Improvement" Prepared by: Terracon Report No. AS255024

All recommendations therein that relate to the work shown on these drawings shall be followed

B. FOUNDATION APPROVAL AND INSPECTION BY AUTHORIZED INSPECTOR

1. The General Contractor shall notify the Geotechnical Engineer or other authorized inspector for review of foundation bearing surface, inspection of foundation installation, and placement of reinforcing steel. The contractor shall not place concrete without inspector's approval.

2. The Contractor shall notify the authorized inspector 48 hours in advance of any major foundation pour.

C. GRADE BEAMS

1. Grade Beam Side Forms

a. Form exposed faces of grade beams.

2. Grade beam bottom steel shall be chaired at 5 foot maximum centers using beam bolsters providing 3 inch bottom cover to reinforcing steel. Beam bolsters used shall be intended for support on soil.

3. Bottom bars of grade beam shall be spliced (where required) at the piers only. Top bars shall be spliced (where required) at the midspan of the grade beams. Lap length shall be 44 times bar diameter unless specified otherwise. Provide corner bars to match top and bottom steel.

4. Void forms under grade beams shall be capable of supporting the wet weight of concrete over

D. SLAB-ON-GRADE CONSTRUCTION

Slab on grade construction shall follow the recommendations of Guide for Concrete Floor and Slab Construction ACI 302.1R.

Subgrade Preparation shall conform to the soils report noted above. If report does not specify the amount of select fill, provide fill as required above to reduce PVR to 1 inch.

3. Provide (2) #4 x 4'-0" top and bottom at all slab on grade re-entrant corners.

E. VAPOR RETARDER

1. Vapor retarder shall have no more than 0.01 perms as tested before and after mandatory conditioning (ASTM E 1745 Section 7.1 and sub-paragraphs 7.1.2-5), meet or exceed the requirements of ASTM E 1745 Class A and be no less than 15 mils thick.

a. STEGO WRAP VAPOR BARRIER (15 mils) Vaporguard by REEF Industries Ecosheild-E 15 mil by Epro Services

All seams shall be overlapped a minimum of 6 inches and taped with manufacturer's tape. All penetrations, block-outs, and openings shall be sealed using a combination of the vapor retarder, mastic and manufacturer's tape.

SPREAD (DUG) FOOTING FOUNDATION

A. DESIGN SOIL PRESSURES

1. Allowable Pressures = 3000 psf under sustained loads = <u>4500</u> psf under total (Dead + Live) loads

B. FIELD INSPECTION OF BEARING STRATUM

The bearing stratum of each spread footing and all strip footings shall be inspected and approved by the Geotechnical Engineer or other authorized inspector prior to pouring of

C. FOOTING EXCAVATION

1. Footings shall be neat excavated where possible with sides and top edges free of loose or wet materials. Where neat excavation is not possible, footing excavation shall be open cut with edges formed and braced. All footings with formed edges shall be backfilled from bottom to top of footing with lean concrete or cement stabilized sand. The bottom excavation shall be clean and dry with all loose material removed for an essentially flat bearing surface. Excavations shall not be left overnight unless a 2 inch unreinforced seal (mud) slab is placed at the bottom of the footing excavation. Where soft or unsuitable bearing surfaces are encountered, the area shall be undercut as required and replaced with compacted fill, cement stabilized sand, or concrete as directed by the Geotechnical Engineer. Fill material, if used, shall be compacted in 6 inches maximum loose lifts to a minimum 95% of Standard Proctor Density (ASTM D 698) unless specified otherwise by the Geotechnical Engineer.

CONCRETE

A. DESIGN STRENGHS

1. All concrete shall conform to the 28-day compressive strength requirements as specified in the table below unless noted otherwise on the Drawings:

USAGE	STRENGTH (PSI)	TYPE	MAX. AGGR SIZE (IN)
Footings, Grade Beams	3000	NW	1 1/2
Plinths	3000	NW	1
Slab-on-Grade	3000	NW	1 1/2
Topping Slab	3000	LW	3/4

Notes:

AGGR = Aggregate

NW = Normal weight concrete

2. There shall be no horizontal cold joint in any concrete pour.

3. Admixtures used shall be compatible with floor treatments.

4. Concrete for slabs shall have a maximum water-cement ratio of 0.45. 5. Concrete shall comply with the requirements of ACI 301 and ACI 318.

6. Fly ash conforming to ASTM C618, Type F, may be used unless noted otherwise. The maximum amount of fly ash shall be 25% of the total cementitious material by weight.

VII REINFORCING STEEL

A. SPECIFICATION

1. ASTM A 615 Grade 60 unless noted otherwise on the drawings. Welded Reinforcing Steel

2. Welded Wire Fabric: Welded smooth wire fabric, ASTM A 185, yield strength 65,000 psi. Welded deformed wire fabric for ASTM A 497, yield strength 70,000 psi. All welded wire fabric shall be furnished in flat sheets only. Wherever welded wire fabric is specified as reinforcement, it shall be continuous across the entire concrete surface and not interrupted by beams or girders and properly lapped one cross wire spacing plus 2 inches.

B. REINFORCING STEEL COVERAGE

1. Cover in structural members not specified below shall conform to the requirements of ACI 318 Section 7.7 unless specified otherwise on the drawings.

a. Foundation Members:

Grade Beams **Basement Walls** Foundation Retaining Walls Sump Walls, Pit Walls Spread Footings, Combined Footings Underreamed Footings **Drilled Piers** Interior Slab-on-Grade Exterior Slab-on-Grade

1 1/2" top, 3" bottom, 3" sides 2" dirt face, 3/4" interior face 2" both faces 2" both faces 3" bottom and sides, 2" top 3" sides 3" sides see details 2" top cover for one layer of steel. 2" top cover, 3" bottom cover for

two layers of steel.

STRUCTURAL STEEL

A. MATERIAL

ASTM A992 GR 50 Wide flanged sections ASTM A500 GR B Tubes ASTM A53 GR B or ASTM A501 Pipes ASTM A36 unless stronger required Connection material ASTM F1554-36 u.n.o Anchor rods

. All hot rolled steel plates, shapes and bars shall be new steel conforming to ASTM Specification A6-84c

B. CONNECTIONS

1. Typical connection details are indicated on the Drawings.

2. The design of all steel connections shall be performed under the direct supervision of a registered professional engineer in the state where the project is located, employed by the fabricator. Calculations sealed by the fabricator's professional engineer must be submitted if

3. It is the intention of the plans and specifications that shop connections be welded or bolted and that field connections be bolted, unless detailed otherwise on the Drawings.

4. All typical beam simple connections shall be standard double angle or single angle framed beam connections. Shear tab connections may be used at locations where double angle connections are not possible. Seated beam connections shall not be used unless indicated on the Drawings. Provide full depth shear tab if beam frames on only one side of a girder.

5. Beam Reactions

Non-Composite beams: Design connections to support a reaction R (unless specified otherwise) equal to one half the total uniform load capacity from the table of Uniform Load Constants in the AISC Manual.

6. Bracing connections shall develop full tensile forces at each end of the bracing member unless

bracing forces are specified on the Drawings. 7. MC = Moment Connections

Welds:

a. All bolts shall conform to ASTM A325 Type 1. High Strength Bolts, All bolts shall be designed as bearing bolts with threads included in the shear plane. Minimum bolt diameter shall be 3/4 inch. All bolts shall be tightened to a snug-tight position, unless noted below.

b. All bolts at braces and moment connections shall be tightened using load indicating washers or tension bolts.

c. All bolts shall be new and shall not be re-used.

. GALVANIZING

1. All steel exposed to weather or outside the building's waterproofing, such as brick shelf angles, shall be hot-dipped galvanized after fabrication.

2. All steel surfaces to be hot dip galvanized shall be prepared as specified by the Steel Structures Painting Council (SSPC).

3. The zinc coating for steel shapes and plates shall average not less than 2.3 oz. with no individual thickness less than 2.0 oz.

4. Galvanize all nuts, bolts, and washers used in the connection of galvanized steel.

5. Protect all field welded connections with "Z.R.C. Cold Galvanizing Compound" as manufactured by Z.R.C. Product Company.

D. MISCELLANEOUS – STAIRS AND HANDRAILS

1. Handrails and guardrails (including attachment to structure) shall be designed by the fabricator for the loads indicated in the referenced Building Code. Shop drawings shall be sealed by a Professional Engineer in the state of Texas, representing the fabricator.

2. Stairs shall be designed by the fabricator for code required loads. Shop drawings shall be sealed by a Professional Engineer in the state of Texas, representing the fabricator.

IX LIGHT GAGE METAL

A. SPECIFICATIONS

1. All structural members and connections shall be designed and erected per the American Iron and Steel Institute (AISI) Specifications noted above.

2. All studs and/or joists and accessories shall be of the type, size, gauge and spacing shown on the Drawings. All joists and studs shall have 1 5/8" flange with 1/2" return unless specified

3. All framing members shall be manufactured from corrosion resistant steel conforming to ASTM A 653 (G60) with a minimum yield strength of 50 ksi for studs and joist members and 33 ksi for runner and track members and flat strap bracings.

4. Prior to fabrication, the contractor shall submit erection drawings to structural engineer for review and approval.

5. All framing components shall be cut squarely for attachment to perpendicular members, or as required for an angular fit against abutting members.

B. DESIGN

1. Fastening of components shall be with self-drilling screws or welding of sufficient size to ensure

2. Studs shall have full bearing against inside track web, prior to stud and track attachment.

3. Splices in framing components except runners track shall not be permitted.

4. For non-load bearing studs, connections shall consider the deflection (1/2") of structural members to which the studs are attached. Provide slide clips and/or deflection slip tracks.

1. Erect framing and panels plumb, level and square in strict accordance to approved shop

2. Track shall be securely anchored to the supporting structure. Proposed connection to be submitted for approval unless specified otherwise on drawings. Abutting pieces of track shall be securely spliced together.

3. Jack studs or cripples shall be installed below window sills, above window and door heads, and elsewhere to furnish support, and shall be securely attached to connecting members.

4. Provide horizontal bridging in all stud systems at four feet on centers vertically for axially loaded studs, and at six feet on centers vertically for non-load bearing studs. Weld at each stud

NON-SHRINK GROUT FOR BASE PLATES AND BEARING PLATES

A. SPECIFICATIONS

1. Grout for base plates and bearing plates shall be a non-metallic, shrinkage resistant, premixed, non-corrosive, non-staining product containing Portland cement, silica sands, shrinkage compensating agents, and fluidity improving compounds.

2. Grout shall conform to Corps of Engineers Specification for Non-Shrink Grout, CE-CRD-C621. Twenty-eight day compressive strength as determined by grout cube tests, shall be 5,000 PSI. Minimum thickness of grout under all base plates and bearing plates shall be 1 inch, unless specified otherwise on the drawings.

3. Grout shall be placed in a fluid flowable state under base plates that have a form built around them for grout confinement. Grout should be cured according to manufacturer's

XI ROOF DECK

A. SCHEDULE

1. Roof deck shall be 3 X 6 Tongue and Groove decking.

XII CONCRETE MASONRY

A. SPECIFICATION

1. All masonry materials and construction shall conform to the recommendations of the Brick Institute of America (BIA) and National Concrete Masonry Association (NCMA) and masonry codes noted in these general notes.

2. All concrete masonry units (CMU) shall conform to ASTM C90, Type 1, Grade N. Unless specified otherwise, CMU shall be lightweight (less than 105 PCF, oven dry unit weight). The minimum compressive strength of masonry (f'm) shall be 1,500 psi as determined by the unit strength method or by the prism test method. All masonry units shall be placed in running bond.

a. Unless specified otherwise, all mortars and the materials therein shall conform to the standard specifications of Masonry Units, ASTM C270, Type S except for masonry in contact with the earth shall be Type M.

b. Mortar shall have minimum average strength of 1900 psi for Type M, or S.

a. All Grout shall be fine grout containing sand, Portland cement, and lime (optional) for grout spaces less than 2 inches in any horizontal direction, unless specified otherwise.

5. Control Joints shall be located per Architectural drawings and specifications or at a maximum spacing of 40 feet on centers.

B. REINFORCEMENT

1. Provide horizontal reinforcing (truss or ladder type, 9 gauge) at 16 inches on center for all CMU walls. Reinforcement shall conform to ASTM A82 and shall be hot dip galvanized.

b. Grout shall attain a minimum 28 days compressive strength of 2500 psi tested

SUBMITTALS

2. All horizontal reinfor

according to ASTM C476.

A. SHOP DRAWINGS

The General Contractor shall submit for Engineer review shop drawings for the following items:

a. Structural Steel (*) Reinforcing Steel c. Metal Deck

d. Concrete Mix Designs e. Miscellaneous Steel

> Items marked (*) shall have shop drawings sealed by a registered engineer in the state where the project is located. Items marked (#) shall be submitted to Engineer for

2. All shop drawings must be reviewed and sealed by the General Contractor prior to submittal.

3. Contractor shall submit electronic copies (e.g. pdfs) of all shop drawings specified to be

Owner's record only and will not have Engineer's shop drawing stamp.

returned by the Engineer. 4. The omission from the shop drawings of any material required by the Contract Documents to be furnished shall not relieve the contractor of the responsibility of furnishing and installing such

materials, regardless of whether the shop drawings have been reviewed and approved.

MANUFACTURER'S LITERATURE

1. Submit two copies of manufacturer's literature for all materials and products used in construction on the project

C. REPRODUCTION

1. The use of reproductions of these Contract Documents by any contractor, subcontractor, erector, fabricator, or material supplier in lieu of preparation of shop drawings signifies his acceptance of all information snown herein as correct, and obligates himself to any job

SITE OBSERVATION BY THE STRUCTURAL ENGINEER

expense, real or implied, arising due to any errors that may occur herein.

A. The contract structural drawings and specifications represent the finished structure, and except where specifically shown, do not indicate the method or means of construction. The Contractor shall supervise and direct the work and shall be solely responsible for all construction means, methods, and procedures, techniques, and sequence.

B. The Engineer shall not have control or charge of, and shall not be responsible for, construction means, methods, techniques, sequences, or procedures, for safety precautions and programs in connection with the work, for the acts or omission of the Contractor, Subcontractor, or any other persons performing any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents.

Periodic site observation by field representatives are solely for the purpose of determining if the work of the Contractor is proceeding in accordance with the structural contract documents. This limited site observation should not be construed as exhaustive or continuous to check the quality or quantity of the work, but rather periodic in an effort to guard the Owner against defects or deficiencies in the work of the Contractor.

MISCELLANEOUS

A. CONTRACT DOCUMENTS

1. It is the responsibility of the General Contractor to obtain all Contract Documents and latest addenda and to submit such documents to all subcontractors and material suppliers prior to the submittal of shop drawings, fabrication of any structural members, and erection in the field.

B. DRAWING CONFLICTS 1. The General Contractor shall compare the Architectural and Structural drawings and report any

Engineer prior to the fabrication and installation of any structural members. C. EXISTING CONDITIONS

discrepancy between each set of drawings and within each set of drawings to the Architect and

report any discrepancies from assumed conditions shown on the drawings to the Architect and

D. RESPONSIBILITY OF THE CONTRACTOR FOR STABILITY OF THE STRUCTURE DURING CONSTRUCTION

1. The General Contractor shall verify all dimensions and existing conditions at the job site and

1. All structural elements of the project have been designed by the Structural Engineer to resist the required code vertical and lateral forces that could occur in the final completed structure only. It is the responsibility of the Contractor to provide all required bracing during construction to maintain the stability and safety of all structural elements during the construction process

HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS

until the structure is tied together and completed.

Engineer prior to the fabrication and erection of any members.

1. There shall be no horizontal construction joints in any concrete pours unless shown on the drawings. All deviations or additional joints shall be approved in writing by the

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10/14/2025

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C C Structural 3111 Sackett St. Suite #200 Houston, TX 77098

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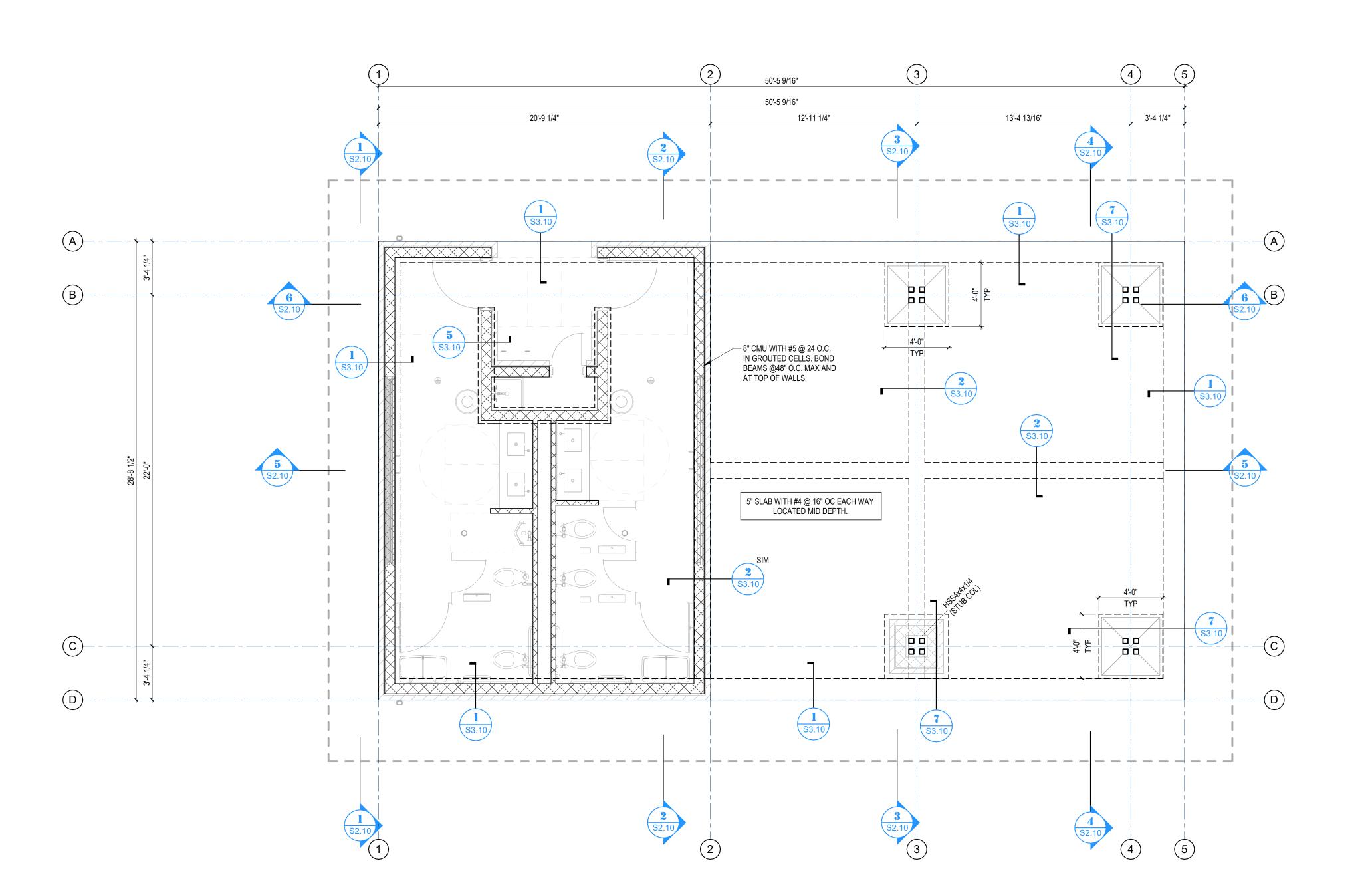
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GENERAL NOTES





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FOUNDATION PLAN

ROOF FRAMING PLAN

1/4" = 1'-0"

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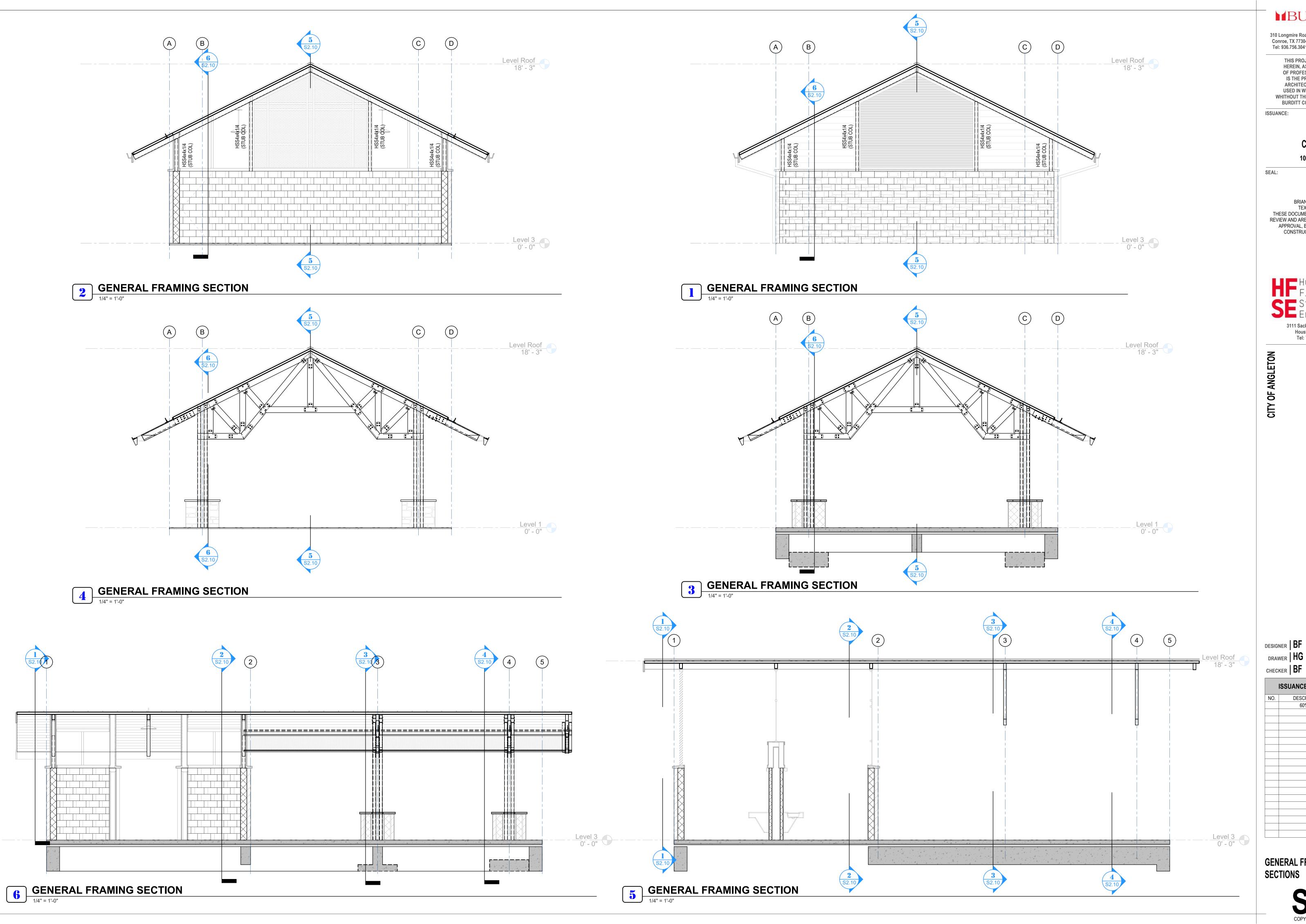
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ROOF FRAMING PLAN



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ISSUANCES & REVISIONS DESCRIPTION 60% CD

GENERAL FRAMING

NOTES:

1. REFER TO "NOTES FOR TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL" FOR

1 1/2" TOP (#5 BARS AND SMALLER) 2" TOP (#6 BARS AND LARGER) 2" BOARD-FORMED -- 3" EARTH-FORMED SIDES/ENDS SIDES/ENDS

NOTES:

1. REFER TO "NOTES FOR TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL" FOR

— 1 1/2" TOP (#5 BARS AND SMALLER) 2" TOP (#6 BARS AND LARGER) - 3" EARTH-FORMED SIDES/ENDS 2" BOARD-FORMED SIDES/ENDS

NOTES:

1. REFER TO "NOTES FOR TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL" FOR

TYPICAL CLEAR CONCRETE COVER FOR

REINFORCING STEEL IN SPREAD FOOTINGS

NO SCALE

- 1. CONCRETE PROFILES AND REINFORCING STEEL CONFIGURATIONS ARE SCHEMATIC AND ARE PROVIDED FOR ESTABLISHING TYPICAL CLEAR CONCRETE COVERS ONLY. REFER TO
- STRUCTURAL PLANS AND DETAILS FOR ALL OTHER INFORMATION. 2. ALL COVERS SHOWN ARE CLEAR FROM THE OUTERMOST SURFACE OF REINFORCING STEEL TO THE CLOSEST OUTER SURFACE OF THE CONCRETE, INCLUDING REVEALS, DRIP GROOVES, OR RUSTICATIONS.
- 3. WHERE COVERS ARE DIFFERENT AS A FUNCTION OF BAR SIZE, DETAILER SHALL ADJUST LOCATION OF TRANSVERSE REINFORCING STEEL AS REQUIRED SUCH THAT CLEAR COVERS ARE MET FOR BOTH TRANSVERSE AND LONGITUDINAL STEEL.

NOTES FOR TYPICAL CLEAR CONCRETE

1. REFER TO "NOTES FOR TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL" FOR

- 2" TOP (#6 BARS AND LARGER)

- 3" EARTH-FORMED SIDES/ENDS

COVER FOR REINFORCING STEEL

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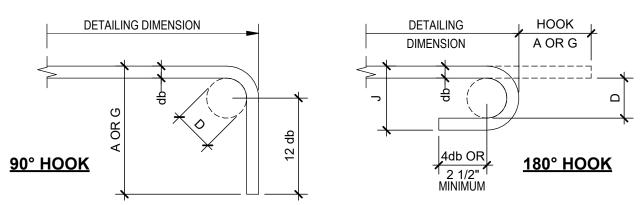
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ISSUANCES & REVISIONS

TYPICAL FOUNDATION **DETAILS**

TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL IN FOUNDATION WALLS



	END	HOOK DIM	ENSIONS	
245	FINISHED BEND	180° H	90° HOOK	
BAR SIZE	DIAMETER D, (INCHES)	A OR G, (INCHES)	J, (INCHES)	A OR G, (INCHES)
#3	2 1/4	5	3	6
#4	3	6	4	8
#5	3 3/4	7	5	10
#6	4 1/2	8	6	12
#7	5 1/4	10	7	14
#8	6	11	8	16
#9	9 1/2	15	11 3/4	19
#10	10 3/4	17	13 1/4	22
#11	12	19	14 3/4	24
#14	18 1/4	27	21 3/4	31
#18	24	36	28 1/2	41

D = INSIDE DIAMETER OF BEND

9 TYPICAL END HOOK TYPES
NO SCALE

TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL IN PLINTHS/PILASTERS
NO SCALE

BAR SIZE	f'c=3000 PSI		fc=4000 PSI fc=5		fc=50	6000 PSI f'c=6000 PSI		000 PSI	fc=7000 PSI		f'c=8000 PSI		BAR
	Lhb	0.7 Lhb	Lhb	0.7 Lhb	Lhb	0.7 Lhb	Lhb	0.7 Lhb	Lhb	0.7 Lhb	Lhb	0.7 Lhb	SIZE
#3	9	7	8	6	7	6	6	6	6	6	6	6	#3
#4	11	8	10	7	9	7	8	6	8	6	7	6	#4
#5	14	10	12	9	11	8	10	7	9	7	9	7	#5
#6	17	12	15	11	13	10	12	9	11	8	11	8	#6
#7	20	14	17	12	15	11	14	10	13	10	12	9	#7
#8	22	16	19	14	17	12	16	12	15	11	14	10	#8
#9	25	18	22	16	20	14	18	13	17	12	16	12	#9
#10	28	20	25	18	22	16	20	14	19	14	18	13	#10
#11	31	22	27	19	24	17	22	16	21	15	19	14	#11
#14	38	-	33	-	29	-	27	-	25	-	23	-	#14
#18	50	-	43	-	39	-	35	-	33	-	31	-	#18

1. Ldh = DEVELOPMENT LENGTH OF STANDARD HOOKS IN TENSION (INCHES).

- Ldh = Lhb UNLESS CONDITIONS OF NOTE 3 ARE SATISFIED. Ldh = 0.7Lhb FOR #11 BARS AND SMALLER WHEN SIDE COVER (NORMAL TO PLANE OF HOOK)
- IS NOT LESS THAN 2 1/2 INCHES AND FOR 90° HOOKS COVER ON BAR EXTENSION BEYOND HOOK IS NOT LESS THAN 2 INCHES.
- 4. HOOKS ARE NOT CONSIDERED EFFECTIVE FOR DEVELOPING BARS IN COMPRESSION. 5. Ldh SHALL BE MULTIPLIED BY 1.2 FOR EPOXY-COATED HOOKED REINFORCING BARS.

TYPICAL DEVELOPMENT LENGTHS

TYPICAL CLEAR CONCRETE COVER FOR

1 1/2" (#5 BARS AND SMALLER) 2" (#6 BARS AND LARGER)

1. REFER TO "NOTES FOR TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL" FOR ADDITIONAL INFORMATION.

REINFORCING STEEL IN SLABS-ON-GRADE

NO SCALE

TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL IN GRADE BEAMS
NO SCALE

2" BOARD-FORMED -SIDES/ENDS

ADDITIONAL INFORMATION.

8 OF STANDARD HOOKS IN TENSION

1. ALL SPLICE LENGTHS ARE IN INCHES. . THIS TABLE SHALL BE USED FOR WALL VERTICAL BARS ONLY. REFER TO OTHER DEVELOPMENT

TABLES FOR WALL HORIZONTAL BARS AND OTHER MEMBERS.

3. THE TENSION DEVELOPMENT LENGTH (Ld) IS EQUAL TO THE SCHEDULED "CLASS A" LAP SPLICE LENGTH. 4. FOR DETERMINING THE BAR CATEGORY, "db" IS DEFINED AS THE DIAMETER OF THE LARGER BAR BEING SPLICED. 5. THE "CATEGORY 1" LAP LENGTH SHALL BE USED WHEN THE CLEAR SPACING BETWEEN BARS AT THE SPLICE

IS EQUAL TO OR GREATER THAN 3db. 6. THE "CATEGORY 2" LAP LENGTH SHALL BE USED WHEN THE CLEAR SPACING BETWEEN BARS AT THE SPLICE

IS LESS THAN 3db AND GREATER THAN 2db. 7. WHEN THE CLEAR SPACING BETWEEN BARS AT THE SPLICE IS EQUAL TO OR LESS THAN 2db, SPLICES SHALL BE STAGGERED SO THAT NO MORE THAN 50% OF BARS ARE SPLICED AT ANY GIVEN LOCATION. REFER TO

"TYPICAL CLEAR SPACING CRITERIA OF LAP SPLICED BARS, STAGGERED SPLICES" FOR CRITERIA TO DETERMINE CLEAR SPACING "S" FOR BARS AT STAGGERED SPLICES.

8. FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED SPLICE LENGTHS BY 1.5. 9. WHEN LAP SPLICING BARS OF DIFFERENT SIZES, THE LAP LENGTH IS DETERMINED BY THE SMALLER BAR BUT MAY NOT BE LESS THAN THE "CLASS A" SPLICE LENGTH OF THE LARGER BAR.

TYPICAL WALL VERTICAL BAR TENSION **DEVELOPMENT AND LAP SPLICE LENGTHS**

	'ELOPM	ENT AND LA	L BAR TENS AP SPLICE L DRMALWEIGHT COM	ENGTHS
BAR SIZE	LAP CLASS	fc = 3000 PSI	f'c = 4000 PSI	f'c = 5000 PSI
#2	Α	13	12	12
#3	В	17	16	16
#4	А	22	19	17
#4	В	29	25	23
#5	Α	32	28	25
#5	В	42	37	33
#6	Α	43	37	34
#6	В	56	49	45
#7	Α	69	60	54
#1	В	90	78	71
40	Α	86	74	67
#8	В	112	97	88
#0	Α	104	90	81
#9	В	136	117	106

1. ALL SPLICE LENGTHS ARE IN INCHES.

2. THIS TABLE SHALL BE USED FOR WALL HORIZONTAL BARS ONLY. REFER TO OTHER DEVELOPMENT LENGTH TABLES FOR WALL VERTICAL BARS AND OTHER MEMBERS.

3. THE TENSION DEVELOPMENT LENGTH (Ld) IS EQUAL TO THE SCHEDULED

"CLASS A" LAP SPLICE LENGTH.

4. FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED SPLICE LENGTHS BY 1.3. 5. WHEN LAP SPLICING BARS OF DIFFERENT SIZES, THE LAP LENGTH IS DETERMINED BY THE

SMALLER BAR BUT MAY NOT BE LESS THAN THE "CLASS A" SPLICE LENGTH OF THE LARGER BAR.

TYPICAL WALL HORIZONTAL BAR TENSION DEVELOPMENT AND LAP SPLICE LENGTHS

SLAB TENSION DEVELOPMENT AND LAP SPLICE LENGTHS GRADE 60 REINFORCEMENT, NORMALWEIGHT CONCRETE BOTTOM OTHER BOTTOM OTHER BOTTOM OTHER SIZE CLASS BARS BARS BARS BARS BARS BARS 12 12 16 23 28 19 33 43 43 42 53 69 67

1. ALL SPLICE LENGTHS ARE IN INCHES.

2. THIS TABLE SHALL BE USED FOR SLABS ONLY. REFER TO OTHER DEVELOPMENT LENGTH TABLES

80

104

3. THE TENSION DEVELOPMENT LENGTH (Ld) IS EQUAL TO THE SCHEDULED "CLASS A" LAP SPLICE

LENGTH. 4. A BOTTOM BAR IS DEFINED AS ANY BAR THAT DOES NOT HAVE MORE THAN 12" OF FRESH CONCRETE

112

104

136

90

117

62

81

BELOW THE BAR. 5. OTHER BARS INCLUDE TOP BARS AND ALL OTHER BARS THAT HAVE MORE THAN 12" OF FRESH

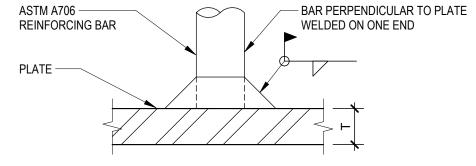
CONCRETE BELOW THE BAR. FOR TOP REINFORCEMENT IN SLABS THAT ARE 12" THICK OR LESS, TABULATED SPLICE LENGTHS FOR BOTTOM BARS SHALL BE USED.

6. FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED SPLICE LENGTHS OF BOTTOM BARS BY 1.5 AND THE TABULATED SPLICE LENGTHS OF OTHER BARS BY 1.3.

7. WHEN LAP SPLICING BARS OF DIFFERENT SIZES, THE LAP LENGTH IS DETERMINED BY THE SMALLER

BAR BUT MAY NOT BE LESS THAN THE "CLASS A" SPLICE LENGTH OF THE LARGER BAR.

TYPICAL SLAB TENSION DEVELOPMENT AND LAP SPLICE LENGTHS



DEVEL	OPMENT OF WELDABLI GRADE 60 REINFORCEMENT, E7	_
BAR SIZE	NOMINAL WELD SIZE (INCHES)	MINIMUM PLATE THICKNESS, T (INCHES)
#3	1/4	1/4
#4	5/16	1/4
#5	3/8	1/4
#6	7/16	5/16
#7	1/2	3/8
#8	9/16	7/16
#9	5/8	1/2
#10	11/16	9/16
#11	3/4	5/8

TYPICAL DEVELOPMENT OF WELDABLE REINFORCEMENT

	BEAM AND GIRDER TENSION DEVELOPMENT AND LAP SPLICE LENGTHS GRADE 60 REINFORCEMENT, NORMALWEIGHT CONCRETE													
		f'c = 30	00 PSI	fc = 4000 PSI		f'c = 50	f'c = 5000 PSI		fc = 6000 PSI		00 PSI	f'c = 8000 PSI		
BAR SIZE	LAP CLASS	BOTTOM BARS	OTHER BARS	BOTTOM BARS	OTHER BARS	BOTTOM BARS	OTHER BARS	BOTTOM BARS	OTHER BARS	BOTTOM BARS	OTHER BARS	BOTTOM BARS	OTHER BARS	
"0	А	12	13	12	12	12	12	12	12	12	12	12	12	
#3	В	16	17	16	16	16	16	16	16	16	16	16	16	
11.4	Α	16	20	14	18	12	16	12	15	12	14	12	13	
#4	В	21	26	19	24	16	21	16	20	16	19	16	17	
	А	23	29	20	25	18	23	16	21	15	19	14	18	
#5	В	30	38	26	33	24	30	21	28	20	25	19	24	
"0	А	31	40	27	35	24	31	22	28	20	26	19	25	
#6	В	41	52	36	46	32	41	29	37	26	34	25	33	
	А	46	60	40	52	36	46	33	42	30	39	28	37	
#7	В	60	78	52	68	47	60	43	55	39	51	37	49	
	А	60	78	52	67	46	60	42	55	39	51	37	48	
#8	В	78	102	68	88	60	78	55	72	51	67	49	63	
# 0	А	64	84	56	72	50	65	46	59	42	55	40	51	
#9	В	84	110	73	94	65	85	60	77	55	72	52	67	
#40	А	72	93	62	81	56	72	51	66	47	61	44	57	
#10	В	94	121	81	106	73	94	67	86	62	80	58	75	
114.4	А	85	110	74	96	66	86	60	78	56	72	52	68	
#11	В	111	143	97	125	86	112	78	102	73	94	68	89	

1. ALL SPLICE LENGTHS ARE IN INCHES.

THIS TABLE SHALL BE USED FOR BEAMS AND GIRDERS ONLY. REFER TO OTHER DEVELOPMENT LENGTH TABLES FOR OTHER MEMBERS.

THE TENSION DEVELOPMENT LENGTH (Ld) IS EQUAL TO THE SCHEDULED "CLASS A" LAP SPLICE LENGTH.

4. A BOTTOM BAR IS DEFINED AS ANY BAR THAT DOES NOT HAVE MORE THAN 12" OF FRESH CONCRETE BELOW THE BAR. OTHER BARS INCLUDE TOP BARS, FACE BARS, AND ALL OTHER BARS THAT HAVE MORE THAN 12" OF FRESH CONCRETE BELOW THE BAR.

6. FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED SPLICE LENGTHS OF BOTTOM BARS BY 1.5 AND THE TABULATED SPLICE LENGTHS OF OTHER BARS BY 1.3. 7. WHEN LAP SPLICING BARS OF DIFFERENT SIZES, THE LAP LENGTH IS DETERMINED BY THE SMALLER BAR BUT MAY NOT BE LESS THAN THE "CLASS A" SPLICE LENGTH OF THE LARGER BAR.

TYPICAL BEAM AND GIRDER TENSION **DEVELOPMENT AND LAP SPLICE LENGTHS**NO SCALE

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Tel: 713.520.8528

OF ANGLETON

DESIGNER | BF DRAWER | HG CHECKER BF

NO.	DESCRIPTION	DAT
	60% CD	10/14/2

FOUNDATION TYPICAL DETAILS

1. GENERAL CONTRACTOR SHALL SUBMIT DESIRED CONSTRUCTION JOINT LAYOUT AS A SHOP DRAWING FOR APPROVAL A MINIMUM OF TWO WEEK PRIOR TO POUR.

- $^{\circ}$. Construction joint locations shall be coordinated with reinforcing steel supplier and erector. 3. ACCEPTABLE JOINT LOCATIONS ARE AS FOLLOWS:
- a. FOR BEAMS NOT SUPPORTING INTERSECTING BEAMS: PLACE JOINT MIDDLE THIRD OF SPAN.

ADDITIONAL REINFORCEMENT AT

EACH PENETRATION, REFER TO

2" TYPICAL

1 1/2" CLEAR

2'-0" MINIMUM

TYPICAL

PENETRATION WIDTH,

REFER TO NOTE 6

NOTE 8

REFER TO NOTE 9 -

ROUND PENETRATION -

- b. FOR BEAMS SUPPORTING INTERSECTING BEAMS, CHECK WITH STRUCTURAL ENGINEER.
- 4. FOR JOINT LOCATIONS OTHER THAN WITHIN MIDDLE THIRD OF SPAN, CONTRACTOR SHALL COORDINATE REQUIRED ADDITIONAL REINFORCEMENT WITH THE ENGINEER ON THE SHOP DRAWINGS.

TYPICAL GRADE BEAM CONSTRUCTION JOINT

VERTICAL CONSTRUCTION — JOINT CL FOOTING AND CONSTRUCTION JOINT PROVIDE (1) ADDITIONAL SCHEDULED OR STIRRUP EACH SIDE OF DETAILED GRADE BEAM **CONSTRUCTION JOINT** REINFORCING TYPE B SPLICE TYPE A SPLICE

> NORMAL GRADE BEAM REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.

TYPICAL GRADE BEAM 3 CONSTRUCTION JOINT ALTERNATE DETAIL

PROVIDE (2) ADDITIONAL STIRRUPS EACH

SIDE OF EACH PENETRATION TO MATCH

SCHEDULED BEAM STIRRUPS

- SQUARE OR RECTANGULAR

^{\'}2" TYPICAL

1 1/2" CLEAR

PENETRATION WIDTH,

REFER TO NOTE 6

2'-0" MINIMUM

TYPICAL

REFER TO NOTE 9

PENETRATION

- - AND ELEVATION AND INCLUDE IN HIS CONTRACT PRICE ALL REQUIRED HORIZONTAL PENETRATIONS THROUGH CONCRETE BEAMS WHETHER SHOWN ON

1. GENERAL CONTRACTOR SHALL COORDINATE LOCATION, SIZE,

- STRUCTURAL DRAWINGS OR NOT. WHERE BEAM PENETRATIONS ARE REQUIRED BUT ARE NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS, CONTRACTOR SHALL SUBMIT DRAWINGS SHOWING DIMENSIONS AND LOCATIONS OF ALL REQUIRED
- PENETRATIONS FOR REVIEW AND APPROVAL. "D" DENOTES THE DEPTH OF BEAM.
- 4. CLEAR SPACING BETWEEN PENETRATIONS SHALL BE 24" MINIMUM UNLESS NOTED OTHERWISE BY THE STRUCTURAL ENGINEER.
- PENETRATIONS SHALL BE LOCATED ACCORDING TO THE FOLLOWING
- FOR BEAMS NOT SUPPORTING INTERSECTING BEAMS LOCATE PENETRATIONS WITHIN TWO FEET EITHER SIDE OF BEAM MIDSPAN.
- FOR BEAMS SUPPORTING INTERSECTING BEAMS CHECK WITH
- PENETRATION WIDTH MUST NOT EXCEED PENETRATION HEIGHT, UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS
- FOR LOCATIONS AND/OR SIZES OF PENETRATIONS NOT CONFORMING TO THE ABOVE CRITERIA AND NOT OTHERWISE DETAILED ON THE STRUCTURAL DRAWINGS, CONTRACTOR SHALL COORDINATE REQUIRED ADDITIONAL
- REINFORCEMENT WITH THE STRUCTURAL ENGINEER. PROVIDE THE FOLLOWING REINFORCEMENT AT EACH SLEEVE, UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS: 1-#5 TOP AND BOTTOM AT BEAMS WITH WIDTHS LESS THAN 9 2-#5 TOP AND BOTTOM AT BEAMS WITH 2-LEG STIRRUPS.
- 4-#5 TOP AND BOTTOM AT BEAMS WITH 4-LEG STIRRUPS. "N"-#5 TOP AND BOTTOM AT BEAMS WITH "N"-LEG STIRRUPS PROVIDE ADDITIONAL STIRRUPS ABOVE AND BELOW PENETRATIONS AT SPACING NOT TO EXCEED ONE THIRD OF THE SCHEDULED STIRRUP SPACING,

SEE PLAN

#4 @ 12"

ADDN'L.

SCHEDULED)

UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS. 10. SCHEDULED BEAM STIRRUPS NOT SHOWN FOR CLARITY.

TYPICAL HORIZONTAL PENETRATION IN CONCRETE BEAM

REINFORCEMENT AT EACH

- ADDITIONAL

PENETRATION,

REFER TO NOTE 8

ELEVATION

- 1/2" FINE-GRADED GRANULAR MATERIAL OVER

- COMPACTED, PREPARED SUBGRADE, REFER

PREPARED SUBGRADE, REFER TO

SPECIFICATIONS

TYPICAL SLAB-ON-GRADE

12 SUBGRADE PREPARATION

NO SCALE

TO SPECIFICATIONS

- BEAM TOP AND BOTTOM

REINFORCEMENT

SEE PLAN - SLAB-ON-GRADE, REFER TO PLAN FOR THICKNESS AND REINFORCEMENT AND REFER TO SPECIFICATIONS FOR CURING METHOD - VAPOR RETARDER DIRECTLY BELOW SLAB SEE PLAN

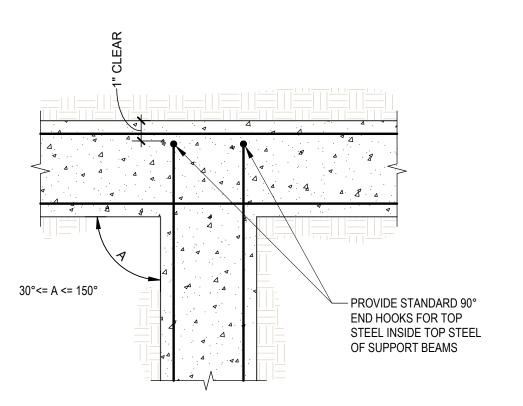
EXTERIOR GRADE BEAMS SEE PLAN #4 @ 12" ADDN'L: **INTERIOR GRADE BEAMS**

1. PLAN VIEWS FOR TYPICAL WIDENED GRADE BEAMS ARE SHOWN. FOR SIMILAR ONDITION NOT SHOWN, PROVIDE ADDN'L. #4@ 12" O.C. MAX. IN WIDENED SECTION. 2. SEE DETAIL SHEETS FOR GRADE BEAM WIDTH.

3. USE WHERE 5/S3.1 IS NOT NOTED.

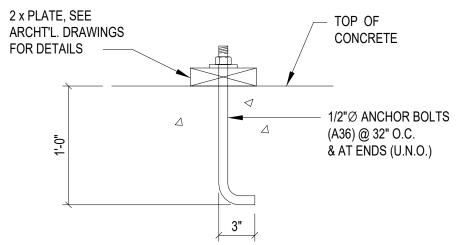
TYPICAL DETAIL ADDITIONAL BARS ATWIDENED GRADE BEAM (PLAN VIEW)

WIDENED GRADE BEAM

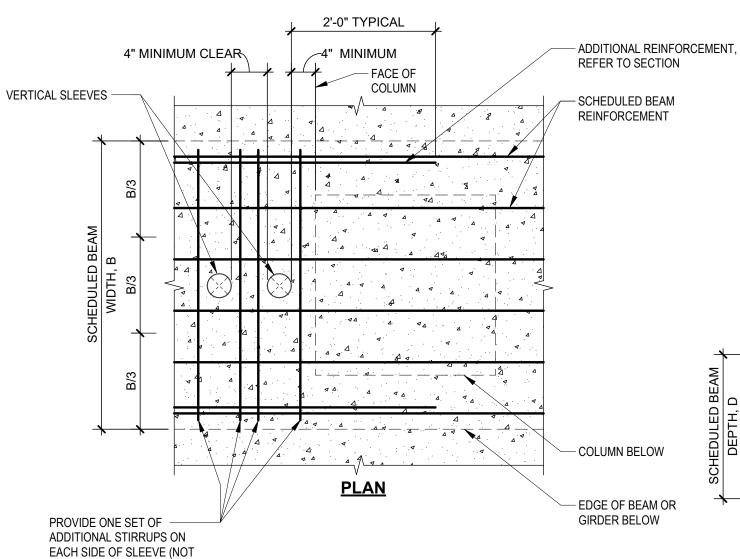


1. GRADE BEAMS SHALL BE POURED MONOLITHICALLY AT INTERSECTIONS. REFER TO TYPICAL GRADE BEAM CONSTRUCTION JOINT DETAIL FOR ACCEPTABLE CONSTRUCTION JOINT LOCATIONS.

TYPICAL GRADE BEAM "T" INTERSECTION 2 TOP BAR PLACEMENT DIAGRAM (PLAN VIEW)



TYPICAL WALL TRACK ANCHOR DETAIL 12" = 1'-0"



1. GENERAL CONTRACTOR SHALL COORDINATE REQUIRED BEAM SLEEVES WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS. REQUIRED SLEEVES MAY OR MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS. GENERAL CONTRACTOR SHALL SUBMIT PLAN SHOWING LAYOUT OF ALL SLEEVES WITH

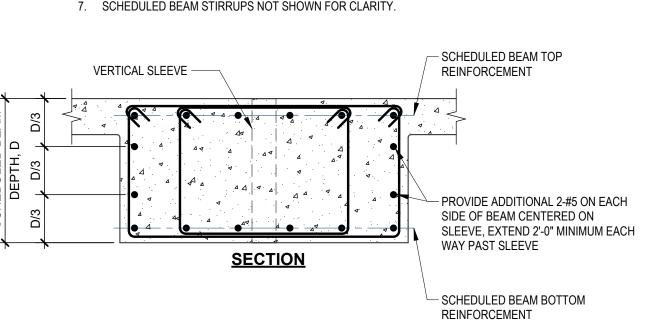
FORMWORK SHOP DRAWING SUBMITTAL. 2. SLEEVES SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF THE SCHEDULED BEAM WIDTH.

3. CONTINUOUS BEAM REINFORCEMENT MAY BE SLIGHTLY DISPLACED (3" MAXIMUM) OR ADJACENT BARS BUNDLED (2 BAR BUNDLES MAXIMUM) TO FACILITATE SLEEVE INSTALLATION. DO NOT CUT, OFFSET, OR BEND REINFORCEMENT.

4. SLEEVES OCCURRING ON OPPOSITE SIDES OF A COLUMN MUST BE IN LINE. 5. THE OUTSIDE DIAMETER OF A SLEEVE MAY NOT EXCEED 15% OF THE SCHEDULED WIDTH OF THE BEAM THROUGH WHICH IT MUST PASS

6. THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD WHEN A SLEEVE SIZE OR LOCATION DOES NOT MEET THE ABOVE CONDITIONS.

7. SCHEDULED BEAM STIRRUPS NOT SHOWN FOR CLARITY.



10 TYPICAL VERTICAL PENETRATION IN CONCRETE BEAM NO SCALE

PROVIDE CORNER BARS TOP AND BOTTOM. PROVIDE CORNER

> BARS FOR EACH LAYER OF BEAM REINFORCING SPECIFIED

> > - #4x5'-0" FIELD BEND 2'-6" INTO

POUR SLAB DOWN ONTO TOP

SLAB MINIMUM

OF GRADE BEAM

DETAILS SHEET FOR

30°<= A <= 150°

1. GRADE BEAMS SHALL BE POURED MONOLITHICALLY AROUND CORNERS. REFER TO TYPICAL

#3@12" UNLESS NOTED

OTHERWISE IN DETAILS

(NOT SCHEDULED)

1-#4 CONTINUOUS -

FLOOR

TOP OF

GRADE

□ I STIRRUPS

REFER TO PLAN FOR WIDENED DIMENSION "A".

A>36": CONSULT WITH STRUCTURAL ENGINEER

3"≤A≤12": 1-#5 TOP AND 1-#5 BOTTOM

12"<A≤24": 2-#5 TOP AND 2-#5 BOTTOM

24"<A≤36": 3-#5 TOP AND 3-#5 BOTTOM

TOP OF SUPPORT BEYOND

(REFER TO NOTE 1)

#5 CONTINUOUS TOP A

BOTTOM, PER NOTE 4

(NOT SCHEDULED)

BEAM

GRADE BEAM CONSTRUCTION JOINT DETAIL FOR ACCEPTABLE CONSTRUCTION JOINT LOCATIONS.

TYPICAL GRADE BEAM REINFORCING

STEEL SPLICE AT CORNERS (PLAN VIEW)

GRADE BEAM

WIDTH

1. WHERE GRADE BEAMS OF UNEQUAL DEPTH FRAME TO THE SAME SUPPORT, TOP OF SUPPORT SHALL BE AT THE

TYPICAL EXTERIOR WIDENED GRADE BEAM

BOTTOM OF THE DEEPEST GRADE BEAM. POUR SHALLOWER BEAM DOWN ONTO SUPPORT.

REFER TO GENERAL NOTES FOR CLEAR COVER AT SIDES, TOP AND BOTTOM OF BEAM.

4. FOR BEAMS WIDENED 3" OR MORE, PROVIDE THE FOLLOWING ADDITIONAL REINFORCEMENT:

WHITHOUT THE AUTHORIZATION OF BURDITT CONSULTANTS, LLC. ISSUANCE:

SEAL:

ANGL

9F

Conroe, TX 77304

Tel: 936.756.3041

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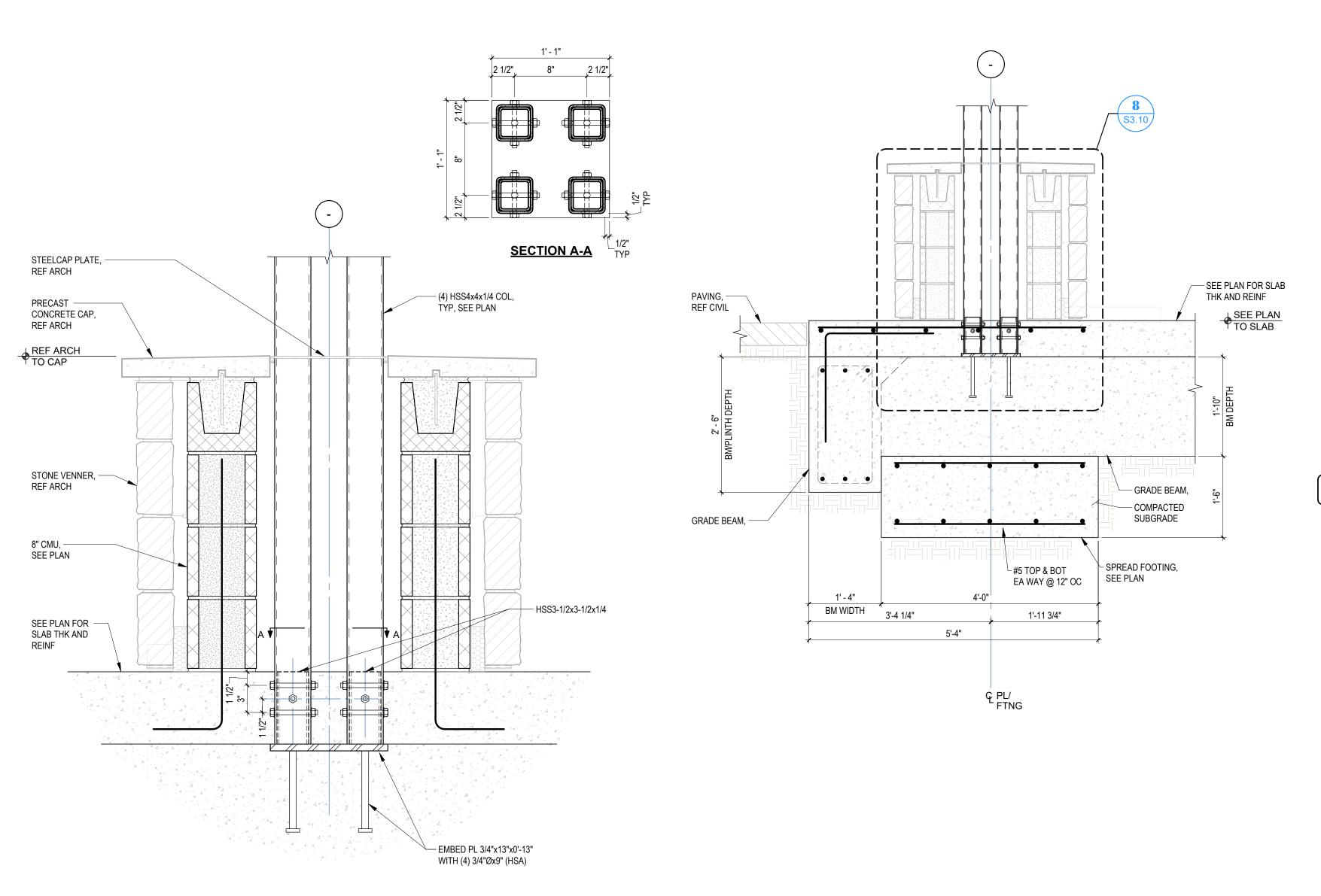
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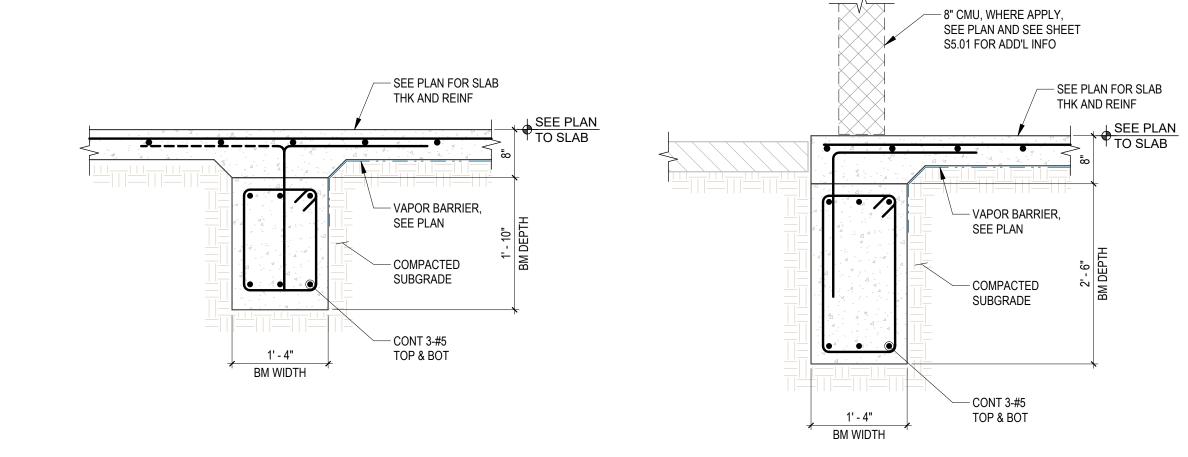
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TYPICAL FOUNDATION **DETAILS**





DETAIL3/4" = 1'-0"

DETAIL3/4" = 1'-0"

— SEE PLAN FOR SLAB THK AND REINF - VAPOR BARRIER, SEE PLAN - COMPACTED SUBGRADE

CONT DI2-#5 1'-0"

B DETAIL AT COLUMN CONNECTION
1 1/2" = 1'-0"

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

DETAIL3/4" = 1'-0"

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DRAWER | HG

NO.	DESCRIPTION	DATE
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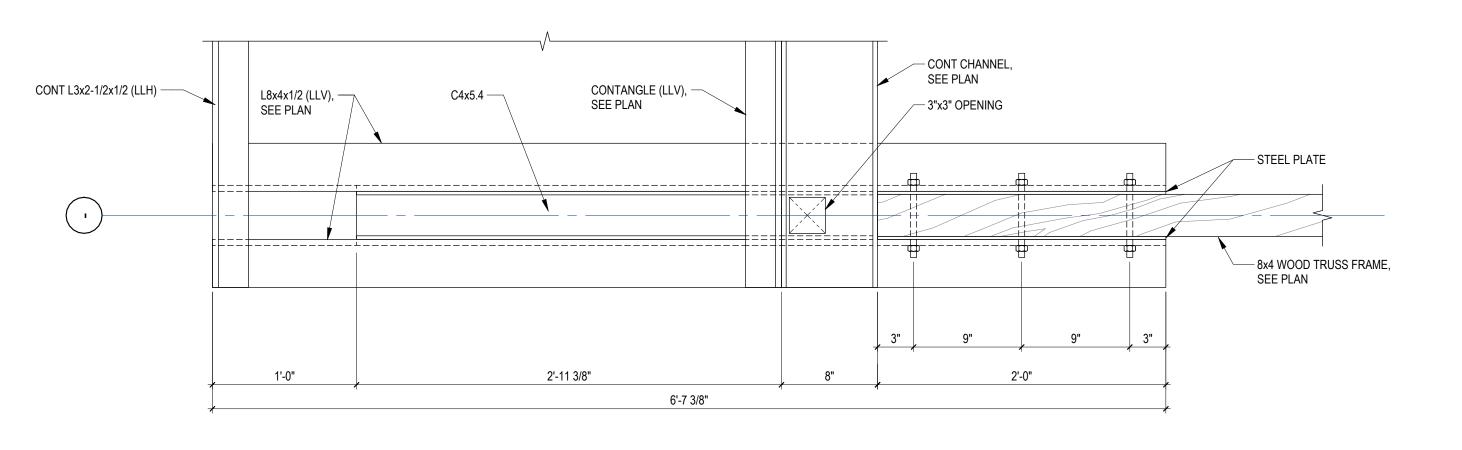
SEAL:

CITY OF ANGLETON

Land | Place

FOUNDATION DETAILS

SECTION VIEW



PLAN VIEW

SECTION DETAIL

1 1/2" = 1'-0"

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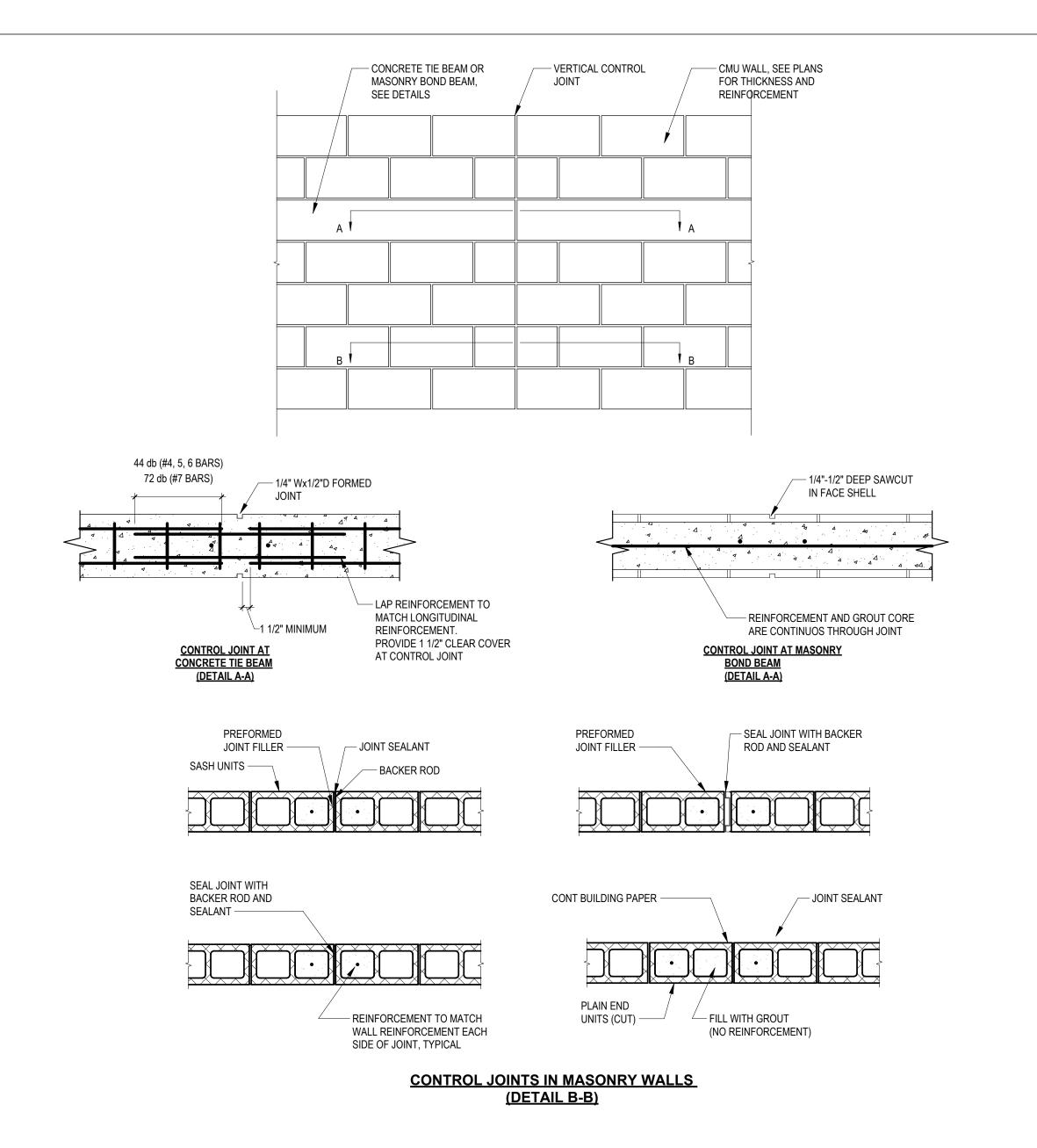
301 CEMETERY ROAD, TEXAS 77515

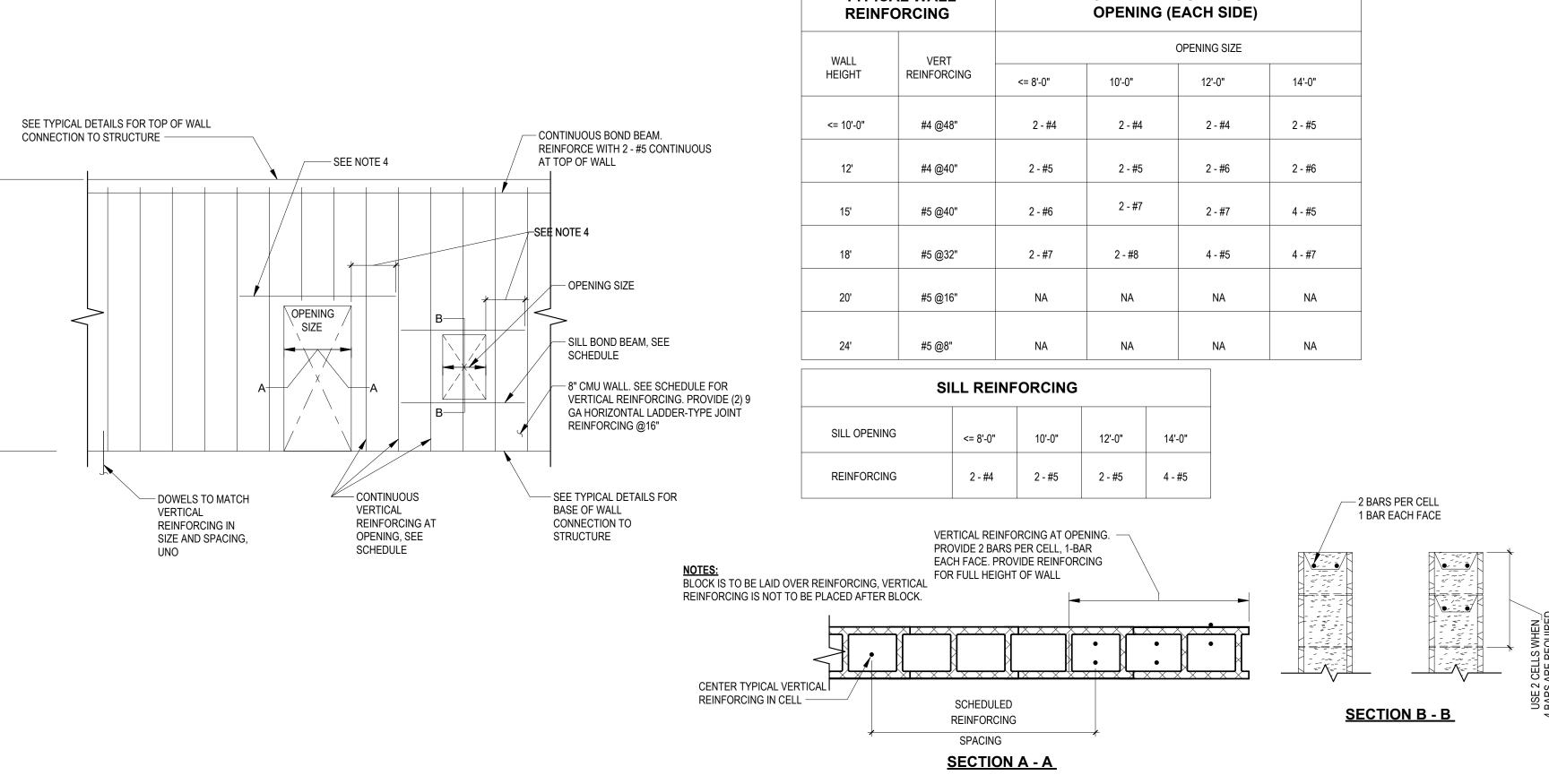
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ROOF FRAMING DETAIL





TYPICAL WALL

TYPICAL VERTICAL CONTROL JOINTS IN MASONRY WALLS

3/4" = 1'-0"

8 TYPICAL OPENINGS AT MASONRY WALLS
3/4" = 1'-0"

CLEAR		ſ	REINFORCING	REQUIREMEN	TS IN NORMAL	LINTEL SECTI	ON		
SPAN	4x8	6x8	6x16	8x8	8x16	10x8	10x16	12x8	12x16
3'-4"	1-#3	1-#3	UR	1-#3	UR	2-#3	UR	2#3	UR
4'-0"	1-#3	1-#3	UR	2-#3	UR	2-#3	UR	2#3	UR
4'-8"	1-#4	1-#4	UR	2-#3	UR	2-#3	UR	2#4	UR
5'-4"	1-#4	2-#3	UR	2-#4	UR	2-#4	2-#3	2#4	UR
6'-0"	1-#4	2-#4	1-#4	2-#4	2-#3	2-#5	2-#3	2#5	2-#4
6'-8"	1-#5	2-#4	1-#4	2-#5	2-#3	2-#5	2-#4	2#5	2-#4
7'-4"	NA	NA	1-#5	2-#5	2-#4	NA	2-#4	2#6	2-#4
8'-0"	NA	NA	1-#5	NA	2-#4	NA	2-#4	NA	2-#5
8'-8"	NA	NA	1-#6	NA	2-#4	NA	2-#5	NA	2-#5
9'-4"	NA	NA	1-#6	NA	2-#5	NA	2-#5	NA	2-#6

1. DEFINITIONS:UR = UNREINFORCED WALL (NO VERTICAL REINFORCEMENT IS REQUIRED, EXCEPT AS DETAILED ON DRAWINGS AT

OPENINGS, ETC.) NA = NOT APPLICABLE, THICKER WALL REQUIRED FOR SPAN REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS.

3. PROVIDE 1" OF BEARING AT EACH JAMB FOR EACH FOOT OF CLEAR SPAN BUT NOT LESS THAN 7 5/8". REINFORCEMENT SHALL

PROJECT A MINIMUM OF 6" ONTO THE BEARING. 4. MINIMUM MASONRY COMPRESSIVE STRENGTH OF GROUTED PRISM fm=2000 PSI.

LINTELS SCHEDULED AS 16" HIGH MAY BE EITHER TYPE B OR TYPE C AS DETAILED. PRECAST CONCRETE LINTELS AS SHOWN MAY BE USED WITH ARCHITECT APPROVAL. MINIMUM fc=3000 PSI.

USE FOR RUNNING BOND ONLY. 8. REFER TO DETAIL 10/S5-01 FOR LINTELS FOR LOAD BEARING CMU WALLS SUPPORTING STEEL ROOF DECK, JOISTS AND BEAMS.

TYPICAL INTERIOR NON-LOADBEARING CMU LINTELS

1/4" = 1'-0"

THIS PROJECT & THE IDEAS HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF THE ARCHITECT & IS NOT TO BE USED IN WHOLE OR IN PART, WHITHOUT THE AUTHORIZATION OF BURDITT CONSULTANTS, LLC. ISSUANCE: CD 60% 10/14/2025 SEAL: BRIAN W. FREY, PE TEXAS #143190 THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT FOR REGULATORY APPROVAL, BIDDING, PERMIT, OR

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P P

DESIGNER | BF DRAWER | HG CHECKER BF

— FULL MORTAR

— GROUT FILL

— FULL MORTAR BED GROUT FILL

NOMINAL WIDTH

— SEE SCHEDULE

NOMINAL WIDTH

SCHEDULE

NOMINAL WIDTH

TYPE A

TYPE B

TYPE C

ISSUANCES & REVISIONS DESCRIPTION 60% CD 10/14/2025

TYPICAL MASONRY DETAILS

ABE	BREVIATIONS		ELECTRICAL SYMBOL	.S	GENERAL	NOTES: A. NOT ALL SYM	IBOLS SHOWN ON THIS SYMBOL LIST ARE USED IN THE OCUMENTS.
AC	ALTERNATING CURRENT	MOTOR	RS AND CONTROLS		AYS AND WIRING	MISCELLANE	
AF AFC	AMPERE FUSE, AMPERE FRAME ABOVE FINISHED CEILING	.		7	CAP AND STAKE		
AFF AFG	ABOVE FINISHED FLOOR ABOVE FINISHED GRADE	\$ _M	MOTOR RATED SWITCH WITH THERMAL OVERLOADS SINGLE OR THREE PHASE MOTOR NUMBER INDICATES		CONDUIT CONCEALED IN WALL OR CEILING	SHADED SYMBO UNLESS OTHER	DLS INDICATE EXISTING DEVICES TO REMAIN, WISE NOTED.
AIC AL	AMPERE INTERRUPT CAPACITY ALUMINUM		HORSE POWER ELECTRIC DUCT HEATER		UNDERGROUND, UNDERSLAB, CONCEALED ROUTING		L-MOUNTED WHEN ATTACHED TO ANY SYMBOL
AM AMP	AMMETER AMPLIFIER		DISCONNECT (SAFETY) SWITCH "200/3/150" DENOTES AMPERES/POLE/FUSE, "NF" DENOTES NON-FUSED	ОНЕ	OVERHEAD ELECTRIC PRIMARY UTILITY POWER LINE	DRAWING NOTE	
ANN ASC	ANNUNCIATOR AMPERES SHORT CIRCUIT		"N3R" DENOTES NEMA 3R	o	CONDUIT UP/DOWN	SOS AREA OF RESCU	JE ASSISTANCE
ATS	AMPERE TRIP RATING AUTOMATIC TRANSFER SWITCH	B	ENCLOSED CIRCUIT BREAKER- "200/3/150" DENOTES AMPERES/POLE/TRIP.		HASH MARKS INDICATE NUMBER OF CONDUCTORS.	FIRE ALARM	
AUX BKR	AUXILIARY BREAKER		MOTOR STARTER FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26.		LEFT TO RIGHT: PHASE/NEUTRAL/GROUND/ISOLATED GROUND. NO HASH MARKS INDICATES EMPTY CONDUIT, 1" MINIMUM, UNLESS NOTED OTHERWISE.	W WATER FLOW SWITC	:H
BLDG. C	BUILDING CONDUIT, CELSIUS	⊠¹	COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER, "30/3/15/#0" DENOTES AMPERES/POLES/FUSE/	1LA-2,4,6	CHEEGO HOTED OTHERWISE.	SP SUPERVISORY SWITCH	СН
CKT CLG. CONT.	CIRCUIT CEILING CONTINUOUS.CONTINUATION		STARTER SIZE, "NF" DENOTES NON-FUSED. FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26.		HOMERUN TO PANEL WITH CIRCUIT NUMBER(S) AS INDICATED.	S SMOKE DETECTOR - N	MULTI CRITERIA DETECTOR
CONT. CONTR	CONTINUOUS, CONTINUATION CONTROLLER, CONTRACTOR CURRENT TRANSFORMER/COOLING TOWER	VFD	VARIABLE FREQUENCY DRIVE PROVIDED BY DIVISION 23 AND INSTALLED BY DIVISION 26.		PARTIAL/SHARED CIRCUIT HOMERUN TO PANEL.	S SMOKE DETECTOR - "	SB" INDICATES IN INTEGRAL SOUNDER BASE
CU DAS	CORRENT TRANSFORMER/COOLING TOWER COPPER DISTRIBUTED ANTENNA SYSTEM	EPO	EMERGENCY POWER OFF BUTTON.	^L (ON)1LA-6	TELECOMMUNICATIONS CABLE TRAY SHALL BE	#	"D" INDICATES DUCT TYPE "R" INDICATES 120 VOLT RESIDENTIAL TYPE
DC DISC	DISTRIBUTED ANTENNA STSTEM DIRECT CURRENT DISCONNECT	RECEPT	ACLES AND OUTLETS		CONCEALED ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.	⟨H⟩ HEAT DETECTOR⟨S⟩ BEAM DETECTOR TR.	ANSMITTER, HIGH IN CEILING WALL DIRECT LINE OF SIGHT.
DP DPDT	DISCONNECT DISTRIBUTION PANEL DOUBLE-POLE, DOUBLE-THROW			EL EATO	NOAL FOLUDIATION	<u> </u>	
DPST DWG	DOUBLE-POLE, SINGLE-THROW DRAWING	OF DEVICE U	TACLES SHALL BE MOUNTED 18" ABOVE FINISHED FLOOR TO CENTER UNLESS NOTED OTHERWISE. REFER TO SPECIFICATIONS AND	ELECTR	RICAL EQUIPMENT	BR BEAM DETECTOR RE	CEIVER, HIGH IN CEILING WALL DIRECT LINE OF SIGHT.
ELEV. EPO	ELEVATOR EMERGENCY POWER OFF		FOR ADDITIONAL REQUIREMENTS. IONS APPLICABLE TO RECEPTACLES:			S FIRE ALARM SPEAKE	R STROBE / CEILING MOUNTED
ERRC FA	EMERGENCY RESPONDER RADIO COVERAGE SYSTEM FIRE ALARM	ADDREVIATIO	"GFCI" GROUND FAULT INTERRUPTER		DISTRIBUTION PANEL	S FIRE ALARM SPEAKE	R / CEILING MOUNT.
FF FLA	FURNITURE FEED FULL LOAD AMPS		"WP" WEATHERPROOF "IG" ISOLATED GROUND	MSB	SWITCHBOARD, MAIN DISTRIBUTION PANEL OR	DH MAGNETIC DOOR HO	DLDER
FTL GA	FEED-THRU LUGS GAUGE		"TR" TAMPER RESISTANT "USB" RECEPTACLE WITH USB CHARGING PORTS "AC" AROVE COUNTER MOUNTING		MOTOR CONTROL CENTER	R AUXILIARY CONTROL	RELAY
GEN GND	GENERATOR GROUND		"AC" ABOVE COUNTER MOUNTING "UC" UNDER COUNTER MOUNTING "IL" HORIZONITALLY ORIENTED RECEPTACIE		PANELBOARD (FLUSH/SURFACE MOUNT)	FH FIRE FIGHTER HANDS	SET
GTD IG	GENERATOR TRANSFER DEVICE ISOLATED GROUND		"H" HORIZONTALLY ORIENTED RECEPTACLE		FLOOR MOUNTED DRY-TYPE TRANSFORMER	F FIRE ALARM PULL ST	ATION +42" AFF
LF LTG	LINEAR FEET LIGHTING	Φ Α	SIMPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V. DUPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V.		SUSPENDED OR WALL MOUNTED TRANSFORMER	F FIREMAN'S TELEPHO	NE JACK +42" AFF
LV LVL	LOW VOLTAGE LEVEL		SHADED INDICATES SPLIT-WIRED	ATS	AUTOMATIC TRANSFER SWITCH		ALARM HORN STROBE +80" AFF- 15/75cd U.N.O.
MAX. MC	MAXIMUM METAL CLAD CABLE	⊕	FOURPLEX (QUADRUPLEX) RECEPTACLE DUPLEX RECEPTACLE (PEDESTAL MOUNTED)	`	FIRE RATED PLYWOOD TERMINAL BOARD, TYPE AS NOTED, 4' X 8' X 3/4" UNLESS NOTED OTHERWISE	VISUAL FIRE ALARM ((STROBE) CEILING MOUNT - 15/75cd U.N.O.
MCA MCB	MINIMUM CIRCUIT AMPS MAIN CIRCUIT BREAKER		CONTROLLED WALL RECEPTACLE.			AUDIO FIRE ALARM H	IORN +80" AFF
MCCB MD	MOLDED CASE CIRCUIT BREAKER MOTORIZED DAMPER	⊕ ° ⊕ °	DUPLEX: SPLIT-WIRED QUAD: SEPARATELY WIRED UNDER A COMMON COVERPLATE.		NICATIONS	FACP FIRE ALARM CONTRO	
MDP MFR	MAIN DISTRIBUTION PANEL MANUFACTURER	M # M	POWER DEVICE RED IN COLOR, ON EMERGENCY POWER CIRCUIT		N (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN:		M ANNUNCIATOR PANEL PPLY FOR AUDIO/VISUAL
MIC MIN.	MICROPHONE MINIMUM		CEILING RECEPTACLE/QUAD, EMERGENCY POWER SYMBOL MAY APPLY	18" ABOVE FINISHED	PLOOR (AFF) DATA/COMM/AV ROUGH-IN. CONDUIT TO PLENUM AND BOX ONLY	FIRE ALARM DEVICES FIRE SMOKE DAMPER	5.
MLO MOCP	MAIN LUGS ONLY MAXIMUM OVER-CURRENT PROTECTION	(SPECIAL RECEPTACLE, NEMA CONFIGURATION PER PLAN OR EQUIPMENT			REMOTE LED INDICA	
MSB N3R	MAIN SWITCHBOARD NEMA 3R	Hт∨	TV ROUGH-IN: 3-GANG RECESSED TV BOX, CONTAINING 1 DUPLEX RECEPTACLE, 1 GANG		SCHOOL INTERCOMMUNICATION SYSTEM HANDSET. I (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN:	SECURITY	
N4X N.C.	NEMA 4X NORMALLY CLOSED		FOR AV, 1 GANG FOR DATA FLOOR BOX OR POKE THRU. POKE-THRU'S WHERE IN SUSPENDED SLABS, RECESSED	42" AFF	TOTALESS HISTORIALS STILL THE SERVICE TO SERVICE TO SERVICE THE SERVICE TO SERVICE THE SERVICE TO SERVICE THE SERV		
NEC NF	NATIONAL ELECTRICAL CODE NON-FUSED		IN FOUNDATION WHERE SLAB ON GRADE FLUSH ELECTRICAL FLOOR OUTLET. REFER TO FLOOR BOX SCHEDULE, FIRE RATED	· <u> </u>	VOLUME CONTROL - WALL MOUNTED	HPB ADA AUTO DOOR OPE	
NFS NIC	NON-FUSED SWITCH NOT IN CONTRACT		POKE-THROUGH SCHEDULE AND KEYED NOTES.		INTERCOM/PA SYSTEM CALL-IN OR CALL-BACK DEVICE	DR DOOR RELEASE BUTTO	
NL N.O.	NIGHT LIGHT NORMALLY OPEN	(DC)	DROP CORD WITH SIMPLEX RECEPTACLE UNLESS OTHERWISE NOTED		N (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN: OW CEILING, WHICHEVER IS LOWER	HCR WALL MOUNTED CARD	O READER HNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.
NO. NTS	NUMBER NOT TO SCALE	(CR)	CORD REEL WITH DUPLEX RECEPTACLE UNLESS OTHERWISE NOTED		INTERCOM/PA SPEAKER "L" LOCAL SOUND REINFORCEMENT		
PH	PHASE POINT OF SALE		JUNCTION BOX "MD" INDICATES POWER CONNECTION TO SERVE MOTOR DAMPER	CEILING MOUNTED D		SWITCHES AI	ND LIGHTING CONTROL DEVICES
QTY RCP RCPT	QUANTITY REFLECTED CEILING PLAN RECEPTACLE	U Q	"HD" INDICATES POWER CONNECTION TO SERVE HAND DRYER "FV" INDICATES POWER CONNECTION TO SERVE FLUSH VALVES	VC	INTERCOM/PA SPEAKER.	ALL SWITCH TYPES AND SENSO LOCATED ON ELECTRICAL SCH	DRS TYPES FOUND ON ' <u>LIGHTING CONTROL DEVICE SCHEDULE'</u> EDULE SHEETS
RE SE	REFERENCE, REFER SQUARE FOOT	P	PULL BOX (OVER 4" SQUARE)		"VC" INDICATES VOLUME CONTROL ON SPEAKER. REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.	SWITCH ANNOTATION AS FOLLO	OWS:
SIM SKVA	SIMILAR STARTING KILOVOLT-AMPS		BELL/BUZZER/CHIME			TYPE, PER SCHEDI	ULE S SINGLE POLE TOGGLE SWITCH
SPD SPDT	SURGE PROTECTION DEVICE SINGLE-POLE, DOUBLE-THROW		PUSH BUTTON/DOOR BELL/START-STOP POWER POLE	ONE-LIN	IE DIAGRAM	\$ahc	PLAN, SHOWN HERE AS 3 (a,b,c)
SPST SPEC	SINGLE-POLE, SINGLE-THROW SPECIFICATION	•	POWER POLE POINT OF DIRECT CONNECTION TO EQUIPMENT	 	TRANSFORMER, TYPE AND RATINGS AS NOTED	OCCUPANCY SENSOR ANNOTA	
SQFT ST	SQUARE FOOT SHUNT TRIP	⊢© ₍₂₎	CLOCK RECEPTACLE SHALL BE MOUNTED 12" BELOW FINISHED CEILING. (2)	- 800A/3P	SWITCH, RATING AS SHOWN	OCCUPANCY / VAC	
SWB TL	SHOW THE SWITCHBOARD TWIST-LOCK	(-/	DENOTES DOUBLE SIDED CLOCK.	400A	FUSE, RATING AS SHOWN	CEILING SENSOR	DICATES WALL / CODNED MOUNT
TOC TOS	TOP OF CURB TOP OF STEEL	LIGHTIN		ST)	SHUNT TRIP	LIGHT SENSOR ANNOTATION, A	DICATES WALL / CORNER MOUNT AS FOLLOWS:
TR TV	TAMPER RESISTANT RECEPTACLE TELEVISION		YPE- SEE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.	GF	GROUND FAULT PROTECTION	PC DIGITAL PHOTOCELL	NO 1 OLLOTTO.
TYP UG	TYPICAL UNDERGROUND	21 V 41 21 V 21		AF (K)	ARCH FAULT PROTECTION KIRK-KEY INTERLOCK	DS DAYLIGHT HARVESTIN	NG SENSOR
UNO UPS	UNLESS NOTED OTHERWISE UNINTERRUPTIBLE POWER SYSTEM	2' X 4' 2' X 2'	'' 1' X 4' 1' X 2' 1' X 1' STRIP LIGHTING FIXTURES.	M	DIGITAL METER OR SUB-METER INTEGRATED INTO EQUIPMENT	RELAY PANELS, CONTACTORS,	TIME SWITCHES:
VFD WP	VARIABLE FREQUENCY DRIVE WEATHERPROOF	0	ROUND DOWNLIGHT FIXTURE.	1200/5	CURRENT TRANSFORMER, RATED AS SHOWN	XX RELAYS/CONTACTOR WHERE 'XX' INDICATE	S/TIMERS/DEVICES
WT W/SF	WATERTIGHT, WEIGHT WATTS PER SQUARE FOOT		SQUARE DOWNLIGHT FIXTURE.	· 	GROUND CONNECTION	"LC" LIGHTING CON "LCP" LIGHTING CON	ITRACTOR
XFMR	TRANSFORMER		WALL MOUNTED LIGHTING FIXTURE.		AUTOMATIC TRANSFER SWITCH	"TS" TIME SWITCH "TC" TIME CLOCK	
FOUND I	BBREVIATIONS NOT LISTED MAY BE IN THE NATIONAL ELECTRIC CODE, OR IN	\longleftrightarrow	TRACK LIGHTING FIXTURE. MOUNTED AS SHOWN ON LIGHTING FIXTURE SCHEDULE.	□>>	BUS DUCT PLUG	DRAWING/DE	TAIL REFERENCE KEY
	ERNATIONAL AND UNIFORM CODES	$\Theta \longleftrightarrow \longrightarrow$	CEILING MOUNTED EXIT SIGN; ARROWS AS INDICATED. SHADED AREA DENOTES FACE.	M	ELECTRICAL UTILITY REVENUE METER	DIV WINO/DL	
		$\vdash\!$	WALL MOUNTED EXIT SIGN; ARROWS AS INDICATED. SHADED AREA DENOTES FACE.	SPD GANN	SURGE PROTECTION DEVICE GENERATOR ANNUNCIATOR PANEL		REFER TO DRAWING/DETAIL NUMBER
			EMERGENCY WALL MOUNTED LIGHTING FIXTURE. BATTERY OPERATED UNLESS NOTED OTHERWISE.		CIRCUIT BREAKER	RE: 1 /E3-2	E3-2
			SITE LIGHTING FIXTURE.	«— <u> </u>	DRAW-OUT CIRCUIT BREAKER		SHEET NUMBER ————————————————————————————————————
PHAS	SING				NEW EQUIPMENT/WIRING	PANELBOARD	NOMENCLATURE
(F)	EXISTING (TO REMAIN)	HATCHING PATTERNS	S BELOW SHALL APPLY TO ALL LIGHTING FIXTURE SYMBOLS.		DEMOLITION EQUIPMENT/WIRING EXISTING EQUIPMENT/WIRING	5 DP C H A 1	
(D) (N)	SHALL BE DEMOLISHED PROVIDE NEW		EMERGENCY LIGHT FIXTURE WITH BATTERY PACK. PROVIDE WITH UNSWITCHED HOT FOR LOSS OF VOLTAGE AND CHARGING (SAME		UNDERGROUND WIRING		– SUB PANEL
(R)	RELOCATED ELEMENT	MII	CIRCUIT AS NORMAL POWER LIGHTING). FIXTURES SHALL BE WIRED IN A MANNER AS TO ALLOW SWITCHING OF FIXTURES WITHOUT DISCHARGING	DAYLIGI	HT ZONES		– AREA – VOLTAGE
		NL NL	THE EMERGENCY BATTERY. BATTERY PACK IS TO ONLY OPERATE IN THE EVENT OF A POWER OUTAGE.				H: 480Y/277V L: 208Y/120V
			"NL" NIGHT LIGHT ON UNSWITCHED 24HR OPERATION				- BRANCH
		EM CIRCUIT	LIGHT FIXTURE ON LIFE SAFETY BRANCH CIRCUIT, GENERATOR TRANSFER DEVICES REQUIRED (UL1008 OR UL924) PROVIDE UNSWITCHED				NONE: NORMAL E: LIFE SAFETY
			HOT, NEUTRAL AND GROUND FOR ALL LIFE SAFETY LIGHTING ORIGINATING FROM THE LIFE SAFETY CIRCUIT SHOWN.	DAYLIGHT ZON	VE/PRIMARY SECONDARY DAYLIGHT ZONE		Q: EQUIPMENT C: CRITICAL R: LECALLY RECUIRED
		[17 7 7 7 7]	CRITICAL OPERATIONS LIGHTING ORIGINATING FROM THE CRITICAL	DAYLIGHT ZON	NES SHALL BE INCLUSIVE OF THE FIXTURES WITHIN THE SHADED REGION, AND		R: LEGALLY REQUIRED X: OPTIONAL STAND-BY
			CIRCUIT INDICATED, HATCHED AS INDICATED. HATCHING TYPICAL FOR ALL CRITICAL BRANCH LIGHT FIXTURES	SHALL BE DIM	MED USING ON-BOARD OR EXTERNAL CONTROL IN ACCORDANCE WITH IÉCC 2021. 2015 MAY BE REFERENCED ONLY WHERE ADOPTED BY LOCAL AHJ.		– DISTRIBUTION PANEL (IF APPLICABLE) – LEVEL
L		<u> </u>		1			

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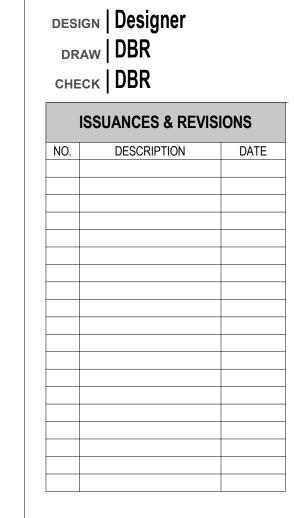
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FAKIAS PAKI

301 CEMETERY ROAD, TEXAS 77515

l Danismo



ELECTRICAL SYMBOL LEGEND

EO.O

GENERAL LIGHTING DEMOLITION NOTES:

- A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRESENT ON SITE PRIOR TO BIDDING, AND SHALL BE EXPECTED TO PERFORM DEMOLITION AND INSTALL NEW AS SHOWN ON THE DOCUMENTS, INCLUDING SCOPE THAT MAY NOT FEASIBLY BE INDICATED ON PLAN.
- B. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING ELECTRICAL DEVICES ON EXISTING CEILING. ALL ABANDONED DEVICES IN CEILING WITHIN SCOPE OF WORK SHALL BE REMOVED.
- C. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL TO ALL REMOVED MATERIALS. CONTRACTOR SHALL COORDINATE WITH OWNER FOR LOCATION TO RETURN ANY AND ALL MATERIAL FOR OWNER STORAGE. FAILURE TO TURN OVER REMOVED MATERIAL TO OWNER MAY REQUIRE CONTRACTOR TO REPLACE EQUIPMENT REMOVED WITH NEW.
- D. REMOVE ALL ELECTRICAL DEVICES WITHIN DEMOLISHED WALLS INCLUDING SWITCHES AND FIRE ALARM DEVICES. REFER TO ARCHITECTURAL DEMO PLAN. THIS SCOPE MAY NOT BE DIRECTLY IMPLIED BY NOTES ON DEMO PLANS AS IT IS ASSUMED THIS SCOPE EXISTS BASED ON ARCHITECTURAL DEMOLITION PLANS.
- E. CONTRACTOR SHALL REVIEW DEMO AND NEW WORK PLANS SIMULTANEOUSLY TO IDENTIFY SCOPE THAT IS TO BE MODIFIED FOR REUSE WITH NEW SCOPE.
- F. ALL FIXTURES REMOVED AND REINSTALLED SHALL BE CLEANED, RELAMPED AS REQUIRED AND TOUCHED UP WITH PAINT. ALL DAMAGED PARTS MUST BE REPLACED. THE FIXTURES SHALL THEN BE REINSTALLED AS REQUIRED. PROVIDE NEW DRIVERS AS REQUIRED.ALL EXISTING SWITCHING ZONES SHALL REMAIN UNCHANGED UNLESS DIRECTED OTHER ON PLANS.
- G. ALL LIGHTING CIRCUITS SHALL BE DEMOLISHED AS REQUIRED BY THE DEMOLITION SCOPE ON THE DOCUMENTS. REPAIR ANY CIRCUITS THAT ARE PARTIALLY DEMOLISHED AND CONTAIN OUTLETS THAT ARE 'NOT IN SCOPE' OR OUTSIDE OF THE LIMITS OF CONSTRUCTION TO WORKING CONDITION. PROVIDE ADDITIONAL CONDUIT. WIRE AND BOXES AS NEEDED.
- H. MODIFIED LIGHTING CIRCUITS SHALL NOT EXCEED 50% CIRCUIT LOAD BASED ON CIRCUIT AMPACITY.

GENERAL POWER DEMOLITION NOTES:

- A. EXISTING CIRCUIT BREAKERS VACATED DUE TO REMODELING WORK SHALL REMAIN AS SPARE BREAKERS AND LEFT IN THE 'OFF' POSITION.
- B. WHERE INDICATED OR REQUIRED BY OTHER TRADES, CONTRACTOR SHALL REMOVE ALL ELECTRICAL CONNECTIONS TO EXISTING PREWIRED FURNITURE. REMOVE CONDUIT AND WIRING BACK TO LAST ACTIVE JUNCTION. ALL DATA CABLING SHALL BE REMOVED.
- C. CONTRACTOR SHALL REPORT ANY DAMAGED DEVICES THAT ARE SHOWN AS EXISTING TO REMAIN. ALL DEVICES FOUND TO BE DAMAGED AT THE TIME OF SUBSTANTIAL COMPLETION THAT NOT REPORTED PRIOR TO STARTING WORK SHALL BE REPLACED AT THE CONTRACTOR'S COST
- D. DEMOLISHED POKE-THRUS SHALL BE DISCONNECTED FROM EXISTING BRANCH CIRCUIT, DATA AND/OR AV CONDUCTORS. CAP WITH A UL LISTED FIRE RATED POKE-THRU COVER.
- E. EXISTING RECEPTACLE OR MECHANICAL CIRCUITS MODIFIED IN FIELD SHALL NOT EXCEED 80% CAPACITY BASED ON AMP-RATING OF CIRCUIT.

FIRE ALARM REMODELING NOTES:

- A. CONTRACTORS ARE RESPONSIBLE FOR VISITING THE SITE AND VERIFYING THE EXISTING FIRE ALARM SYSTEM AND SCOPE OF WORKED REQUIRED PER PLANS AND SPECIFICATIONS, PRIOR TO BIDDING. VERIFY EXISTING SITE CONDITIONS, MAKE AND MODEL OF CURRENT FIRE ALARM SYSTEM, NECESSITY OF ANY FRONT-END UPGRADES, CODE COMPLIANCE OF EXISTING DEVICES LOCATED WITHIN THE SCOPE OF WORK AREA. TO BE KNOWN BY FIRE ALARM CONTRACTOR UPON DESIGN OF FIRE ALARM SHOP DRAWINGS.
- B. THE INTENT OF THIS PLAN IS TO INCORPORATE NEW AND RELOCATED DEVICES WITH THE EXISTING BUILDING FIRE ALARM SYSTEM.
- C. ALL NOTIFICATION DEVICES SHALL BE ACTIVATED AS REQUIRED BY APPLICABLE CODE WHEN FIRE ALARM SYSTEM IS INITIATED.
- D. IT IS ASSUMED WITH THIS REMODEL THAT THE EXISTING SYSTEM MEETS REQUIRED CODES FOR THE ORIGINAL DATE OF INSTALLATION, AND BUILDING MANAGEMENT HAS MAINTAINED SYSTEM IN COMPLIANCE WITH LIFE SAFETY 101. FOR SEQUENCE OF OPERATIONS AND SPECIFICATIONS, REFER TO ORIGINAL SYSTEM DOCUMENT. COORDINATE WITH BUILDING MANAGEMENT.
- E. THE EQUIPMENT SUPPLIER AND INSTALLING CONTRACTOR SHALL BE LICENSED BY THE STATE FIRE MARSHALL TO SELL, INSTALL, AND SERVICE FIRE ALARM SYSTEMS AS REQUIRED BY LOCAL CODES AND INSURANCE CODE.
- F. ALL NEW EQUIPMENT REQUIRED FOR THIS REMODEL SHALL BE COMPATIBLE WITH THE EXISTING BUILDING SYSTEM AND IS TO BE A PART OF THE SUBMITTAL PROCESS AS NOTED IN THE ELECTRICAL SPECIFICATIONS FOR THIS PROJECT. PROVIDE ADDITION SYSTEM POWER BOOSTER WHERE REQUIRED.
- G. VERIFY QUANTITIES OF NEW DEVICES TO INTERFACE WITH THE EXISTING BUILDING SYSTEM. THE CONTRACTOR SHALL COORDINATE WITH BUILDING MANAGEMENT AND SHALL NOTIFY THE ENGINEER IF ANY CONFLICT EXISTS PREVENTING MODIFICATIONS REQUIRED IN THESE PLANS
- H. THE SYSTEM WHEN MODIFIED, SHALL BE A COMPLETE AND WORKING SYSTEM, AND COMPLY WITH THE MOST RECENT RULES, REGULATIONS, AND ORDINANCES THAT PRESENTLY APPLY TO THIS REMODEL.
- I. ANY DEVICE THAT SUFFERS MALFUNCTION DURING RENOVATION SHALL BE REPLACED AT NO COST TO OWNER. CONTRACTOR SHALL TAKE PROPER STEPS TO ENSURE DUST AND DEBRIS DOES NOT NEGATIVELY INTERFERE WITH OPERATION OF ANY EXISTING EQUIPMENT LEFT OPERATIONAL DURING

GENERAL ELECTRICAL DEMOLITION NOTES:

- A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE VERIFIED THE EXISTING JOB SITE CONDITIONS DURING THE BIDDING PERIOD TO OBTAIN THE SCOPE OF ELECTRICAL WORK INVOLVED AS A RESULT OF THE ARCHITECTURAL MODIFICATIONS TO THE EXISTING CONDITIONS. THE SCOPE OF WORK SHALL INCLUDE MATERIALS AND OUTLETS, CONSISTING OF FIXTURES, DEVICES, EQUIPMENT OR APPARATUS, WHICH MUST BE REROUTED, RELOCATED OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED SO THAT THE REMODELING WORK MAY BE ACCOMPLISHED. NOT ALL EXISTING OUTLETS ARE NECESSARILY INDICATED ON THE DRAWINGS.
- B. CONTRACTOR SHALL REVIEW DEMOLITION AND NEW WORK PLANS SIMULTANEOUSLY TO IDENTIFY SCOPE THAT IS TO BE MODIFIED FOR REUSE WITH NEW SCOPE.
- C. CONTRACTOR SHALL VERIFY AND DOCUMENT EXISTING CONDITIONS OF ALL OUTLETS THAT ARE INDICATED OR REQUIRED TO BE REMOVED AND REINSTALLED TO FACILITATE THE WORK REQUIRED BY ALL TRADES. THE CONTRACTOR SHALL REPLACE NON-OPERABLE DEVICES AT NO ADDITIONAL COST TO THE OWNER. DOCUMENT OUTLETS IN NON-WORKING CONDITION PRIOR TO REMOVAL AND NOTIFY THE OWNER.
- D. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL TO ALL REMOVED MATERIALS CONTRACTOR SHALL COORDINATE WITH OWNER FOR LOCATION TO RETURN ANY AND ALL MATERIAL FOR OWNER STORAGE. FAILURE TO TURN OVER REMOVED MATERIAL TO OWNER MAY REQUIRE CONTRACTOR TO REPLACE EQUIPMENT REMOVED WITH NEW.
- E. REMOVE ALL ELECTRICAL DEVICES WITHIN DEMOLISHED WALLS INCLUDING RECEPTACLES, DATA/TELEPHONE DROPS, P/A DEVICES, CONDUIT, AND WIRING. ALL EXISTING DEVICES MAY NOT BE DOCUMENTED ON PLANS. REFER TO ARCHITECTURAL DEMOLITION PLANS FOR DEMOLISHED WALLS. REMOVE CONDUIT AND WIRING BACK TO PANEL OR LAST ACTIVE JUNCTION BOX.
- F. ALL ABANDONED CONDUIT AND BOXES FOUND IN CRAWLSPACES, CEILINGS SPACES, CHASES, OR UTILITY SPACES SHALL BE REMOVED. EXISTING UNDERGROUND CONDUIT MAY BE ABANDONED. CAP ABANDONED UNDERGROUND CONDUIT FLUSH WITH GRADE.
- G. OWNER SHALL RESERVE THE RIGHT TO CLAIM ALL EQUIPMENT AND CABLING REMOVED DURING DEMOLITION.
- H. RE-ESTABLISH SERVICE TO ALL OUTLETS THAT MAY BE INTERRUPTED DUE TO REMODELING WORK.

I. PROVIDE ALL APPURTENANCES REQUIRED TO REROUTE, RELOCATE, REMOVE OR REINSTALL ALL ITEMS REQUIRED BY SCOPE OF REMODEL.

J. ALL ABANDONED MATERIAL SHALL BE REMOVED FROM JOBSITE PRIOR TO PROJECT COMPLETION.

- K. IDENTIFICATION AND LABELING SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATIONS.
- L. CIRCUIT NUMBERS ARE FOR PLAN REFERENCE ONLY. CONTRACTOR SHALL RELABEL ALL CIRCUIT DIRECTORIES WITH LOAD NAMES FOR ALL EXISTING AND NEW PANELS THAT WERE MODIFIED WITHIN THIS PROJECT.

GENERAL SITE PLAN NOTES:

- A. CONTRACTOR SHALL INSTALL ALL RACEWAYS, DUCTBANKS, CONCRETE PADS ETC. REQUIRED BY THE UTILITY COMPANY. OBTAIN WRITTEN INSTRUCTIONS FROM THE UTILITY COMPANY BEFORE ROUGH IN.
- B. CONTRACTOR SHALL BORE UNDERNEATH EXISTING PAVEMENT WHERE CONDUITS ARE ROUTED UNDER EXISTING PAVING. SAW CUTTING IS NOT PERMITTED WITHOUT OWNER PERMISSION PRIOR TO BEGINNING WORK.
- C. CONDUIT SHALL BE PERMITTED TO BE ROUTED EXPOSED/SURFACE MOUNTED IN MECHANICAL YARDS. EXPOSED CONDUITS SHALL RUN PERPENDICULAR OR PARALLEL TO THE WALLS, BEAMS, ETC. ROUTING SHALL BE COORDINATED WITH OWNER PRIOR TO ROUGH-IN.
- D. CONTRACTOR SHALL SAW CUT EXISTING CONCRETE SLABS WHEN REQUIRED TO INSTALL NEW RACEWAYS. COORDINATE PROPOSED ROUTING WITH ARCHITECT PRIOR TO SAW CUTTING, CONTRACTOR SHALL PATCH TO MATCH EXISTING CONDITIONS. PERFORM X-RAY SCAN ON ANY POST TENSION SLAB PRIOR TO COMMENCING CUTTING.
- E. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS WHEN EXCAVATING TO AVOID DAMAGE TO EXISTING POWER, COMMUNICATIONS, WATER, SANITARY/SEWER, AND/OR GAS LINES THAT MAY BE BURIED IN AREAS OF NEW CONSTRUCTION OR WHEN TRENCHING FOR NEW FEEDERS AND BRANCHES IS REQUIRED. COORDINATE WITH CIVIL PLANS FOR ADDITIONAL INFORMATION.
- F. COORDINATE EQUIPMENT LOCATIONS WITH ARCHITECTURAL AND CIVIL PLANS FOR EXACT EQUIPMENT LOCATION BEFORE INSTALLATION. EQUIPMENT LOCATIONS SHOWN ARE APPROXIMATE.
- G. THE CONTRACTOR SHALL PROVIDE AND INSTALL PULL STRINGS TO ALL SPARE OR UNUSED UNDERGROUND CONDUITS.
- H. CONTRACTOR SHALL PROVIDE CONDUIT AS REQUIRED BY DIVISION 27/28. COORDINATE WITH DIVISION 27/28 SYSTEM PROVIDER FOR EXACT SIZE AND QUANTITY OF CONDUITS REQUIRED.
- PROVIDE FLUSH WITH GRADE TRAFFIC-RATED CONCRETE PULL-BOXES AS REQUIRED EVERY 250' MAXIMUM FOR ALL BELOW GRADE CONDUIT RUNS SHOWN. LOW VOLTAGE AND LINE VOLTAGE CABLING SHALL NOT BE RUN THROUGH THE SAME PULL BOX.
- . ELECTRICAL SERVICE PULL-BOXES/MANHOLES SHALL BE COORDINATED WITH THE POWER COMPANY. REFER TO POWER COMPANY STANDARDS FOR EXACT REQUIREMENTS.
- K. UNDER GROUND BRANCH CIRCUITS CONDUITS SHALL BE A MINIMUM SIZE OF 1 INCH USING #10 AWG CONDUCTORS UNLESS OTHERWISE NOTED.
- L. ALL UNDERGROUND FEEDERS AND BRANCH CIRCUIT SHALL BE PROVIDED WITH PULLBOXES AS REQUIRED BY NEC.
- M. ALL PULL BOXES SHALL BE INSTALLED FLUSH WITH FINISHED GRADE. REFER TO CIVIL PLANS FOR FINAL GRADE ELEVATION.

GENERAL ELECTRICAL NOTES:

- A. ELECTRICAL DEVICE LOCATIONS SHOWN ARE NOT EXACT. ALL DEVICE LOCATIONS SHALL BE VERIFIED WITH ARCHITECTURAL MILLWORK, CASEWORK, AND GENERAL ELEVATION VIEWS.
- B. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, OUTLET BOXES, JUNCTION BOXES FOR ALL TECHNOLOGY, LOW VOLTAGE, ACCESS CONTROL SECURITY. SURVEILLANCE, AND OTHER DIVISION 27/28 SCOPE. REFER TO DIVISION 27/28 DRAWINGS AND SPECIFICATIONS FOR ALL WORK REQUIRED. OMISSION OF THIS SCOPE FROM DIV 26 SCOPE OF WORK IS PROHIBITED.
- C. HVAC AND PLUMBING EQUIPMENT LOCATIONS ARE NOT EXACT, AND THE EXACT POINT OF CONNECTION TO EQUIPMENT MAY VARY. COORDINATE EXACT ROUGH-IN REQUIREMENTS IN FIELD AND WITH FINAL SUBMITTALS.
- D. PROVIDE LABELING OF ALL DEVICES, CONDUIT, PANELS, AND JUNCTION BOXES WITH TYPE-WRITTEN LABEL IDENTIFYING CIRCUIT ON THE BACK OF DEVICE COVER PLATES AND ON COVER OF JUNCTION BOXES IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS.
- E. ROOF PENETRATIONS SHALL BE MINIMIZED. WHERE ABLE, ROUTE ALL CONDUIT FOR ROOF MOUNTED EQUIPMENT THROUGH ROOF CURB. CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING NECESSARY WATER PROOFING AROUND ROOF PENETRATIONS WITH ROOFING INSTALLER.
- F. ALL RECEPTACLES LOCATED IN RESTROOMS, JANITOR CLOSETS, MECHANICAL ROOMS, ELEVATOR PITS OR SHAFTS, ELEVATOR EQUIPMENT ROOMS, SERVING ELECTRIC DRINKING FOUNTAINS OR VENDING MACHINES, LOCATED WITHIN 6' OF A SINK, LOCATED ABOVE A WET COUNTERTOP OR IN A KITCHEN OR COFFEE BAR SHALL BE GFCI. FEED-THRU GFCI/GFI IS PROHIBITED, ALL GFCI/GFI DEVICES SHALL BE PROVIDED WITH INDIVIDUAL TEST/RESET FEATURES. ALL GFCI RECEPTACLES SHALL BE ACCESSIBLE. PROVIDE SEPARATE RECEPTACLE PROTECTED BY "FACELESS GFCI." REQUIRED TO COMPLY WITH CURRENTLY
- G. MULTI-WIRE HOME RUNS SHALL NOT BE ALLOWED. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS. SHARING CONDUIT IS PERMISSIBLE WHERE TOTAL CONDUCTOR AMPACITY DERATING HAS BEEN PERFORMED BY ELECTRICAL CONTRACTOR. THE NEUTRAL IS CONSIDERED CURRENT-CARRYING. ROUTE A MAXIMUM OF THE 3 BRANCH CIRCUITS IN A SINGLE 3/4" RACEWAY. EACH NEUTRAL SHALL BE LABELED TO INDICATE THE CIRCUIT NUMBER CORRESPONDING TO THE HOT CONDUCTOR. THIS LABEL SHALL INCLUDE THE PANELBOARD, JUNCTION BOXES AND OUTLET BOXES.
- H. CONTRACTOR SHALL PROVIDE PLENUM RATED MATERIAL FOR ALL INFRASTRUCTURE LOCATED IN PLENUMS NOT PROTECTED BY CONDUIT OR ANOTHER APPROVED/LISTED FIRE ENCLOSURE.
- I. NEW ELECTRICAL EQUIPMENT LOCATED IN ELECTRICAL ROOMS SHALL BE ARRANGED TO COMPLY WITH LATEST NEC ARTICLE 110.
- J. ELECTRICAL AND TECHNOLOGY OUTLETS SHOWN IN SOUND RATED PARTITIONS SHALL NOT BE PLACED BACK-TO-BACK. OFFSET AT LEAST ONE STUD AND SEAL FOR SOUND AS REQUIRED.
- K. ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE. CONTRACTOR MAY PROVIDE NON-TAMPER RESISTANT RECEPTACLES WHERE NOT REQUIRED PER **CURRENT NEC ARTICLE 406.**

LIGHTING GENERAL NOTES:

- A. ALL LIGHTING CONTROLS SHALL BE PROVIDED IN ACCORDANCE WITH PERFORMANCE DESCRIPTION INDICATED IN THE LIGHTING CONTROL DEVICE SCHEDULE FOUND ON SCHEDULE SHEETS.
- B. MULTIPLE SWITCHES SHOWN TOGETHER SHALL BE GANGED UNDER A COMMON
- C. PROVIDE LABELING OF ALL CONTROL DEVICES, SWITCH PACKS, LIGHT FIXTURES, JUNCTION BOXES, ETC IN ACCORDANCE WITH SPECIFICATIONS.
- D. LIGHTING FIXTURE LOCATIONS SHOWN TAKE PRECEDENCE IN CEILING LOCATION TO ALL OTHER TRADES. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING OTHER TRADES DO NOT IMPACT SPACING AND/OR OVERLAYMENT OF OTHER DEVICES WHERE LIGHT FIXTURES ARE INSTALLED.
- E. REFERENCE SYMBOLS LEGEND FOR LIGHT SWITCH AND LIGHTING CONTROL DEVICE NOMENCLATURE AND SWITCH-LEG ANNOTATION OR LABELING.
- F. ALL 2X2, 2X4 FIXTURES INSTALLED IN SUSPENDED GRID CEILING SHALL BE PROVIDED WITH (4) SECONDARY SUPPORT WIRES ANCHORED DIRECTLY TO

EMER. LIGHTING GENERAL NOTES:

- A. PROVIDE ALL EMERGENCY LIGHT FIXTURES WITH UNSWITCHED HOT LEG AS INDICATED IN NEC 700.12 AND PROVIDE LOCK-ON DEVICE AS REQUIRED BY NEC
- B. ROUTE AN UNSWITCHED HOT LEG TO ALL LIGHT FIXTURES DESIGNATED AS EMERGENCY FIXTURES. HOT LEG SHALL ORIGINATE FROM CIRCUIT SERVING NORMAL LIGHTING FIXTURES IN THAT SPACE. UNSWITCHED HOT LEG SHALL CONNECT TO THE NORMAL POWER SENSING LUG ON THE EMERGENCY BATTERY
- C. PROVIDE UN-SWITCHED CIRCUIT TO ALL EXIT SIGNS. CONNECT TO DEDICATED CIRCUIT INDICATED AND PROVIDE LOCK-ON DEVICE AS REQUIRED BY NEC 700.

FIRE ALARM GENERAL NOTES:

- A. CONTRACTOR SHALL SUBMIT LICENSED SEALED FIRE ALARM DRAWINGS TO THE AHJ/PERMIT OFFICE FOR PLAN REVIEW BY MEANS OF DEFERRED SUBMITTAL.
- B. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED IN THE CEILING TILE.
- C. ALL FIRE ALARM VISUAL AND AUDIO/VISUAL DEVICES SHALL BE CONFIGURED TO PROVIDE CANDELA RATINGS IN ACCORDANCE WITH ADA & NFPA COVERAGES.
- D. CONTRACTOR SHALL PROVIDE 120V DEDICATED 20A BRANCH CIRCUIT WITH LOCK-ON BREAKER PROVISIONS TO EACH SPEAKER AMPLIFIER AND VISUAL DEVICE POWER SUPPLIES AS REQUIRED BY FIRE ALARM SHOP DRAWINGS. CONNECT TO EMERGENCY POWER WHEN AVAILABLE.
- E. ALL WIRING FOR DEVICES IN EXPOSED STRUCTURE AREAS SHALL BE ROUTED WITHIN CONDUIT. EXPOSED ROUTING SHALL BE AVOIDED. EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH ARCHITECT AND ENGINEER PRIOR TO INSTALLATION.
- F. CONTRACTOR SHALL PROVIDE CONDUIT PATHWAYS FOR FIRE ALARM PLENUM CONDUCTORS WHERE ROUTED ABOVE HARD CEILING AREAS. CONDUIT RACEWAYS SHALL ALLOW ACCESS TO CONDUIT AT EACH END IN ACCESSIBLE LOCATIONS ABOVE CEILINGS.
- G. LOCATE NEW SMOKE DETECTORS IN THE PATH OF EGRESS, ELECTRICAL, MECHANICAL, IDF ROOMS, STORAGE ROOMS AND OTHER LOCATIONS IN
- H. DUCT MOUNTED SMOKE DETECTORS SERVING HVAC UNITS WITH 2000 CFM OR GREATER SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION IN RETURN AIR DUCT INSIDE THE BUILDING THE UNIT SERVES. IT IS NOT ACCEPTABLE TO INSTALL DUCT MOUNTED SMOKE DETECTORS AT THE HVAC UNIT ON THE ROOF OR EXTERIOR OF THE BUILDING.
- I. LOCATE HEAT DETECTORS IN BREAKROOM AREAS.
- J. PROVIDE NEW AUDIO & VISUAL DEVICES PER APPLICABLE CODE.

310 Longmire

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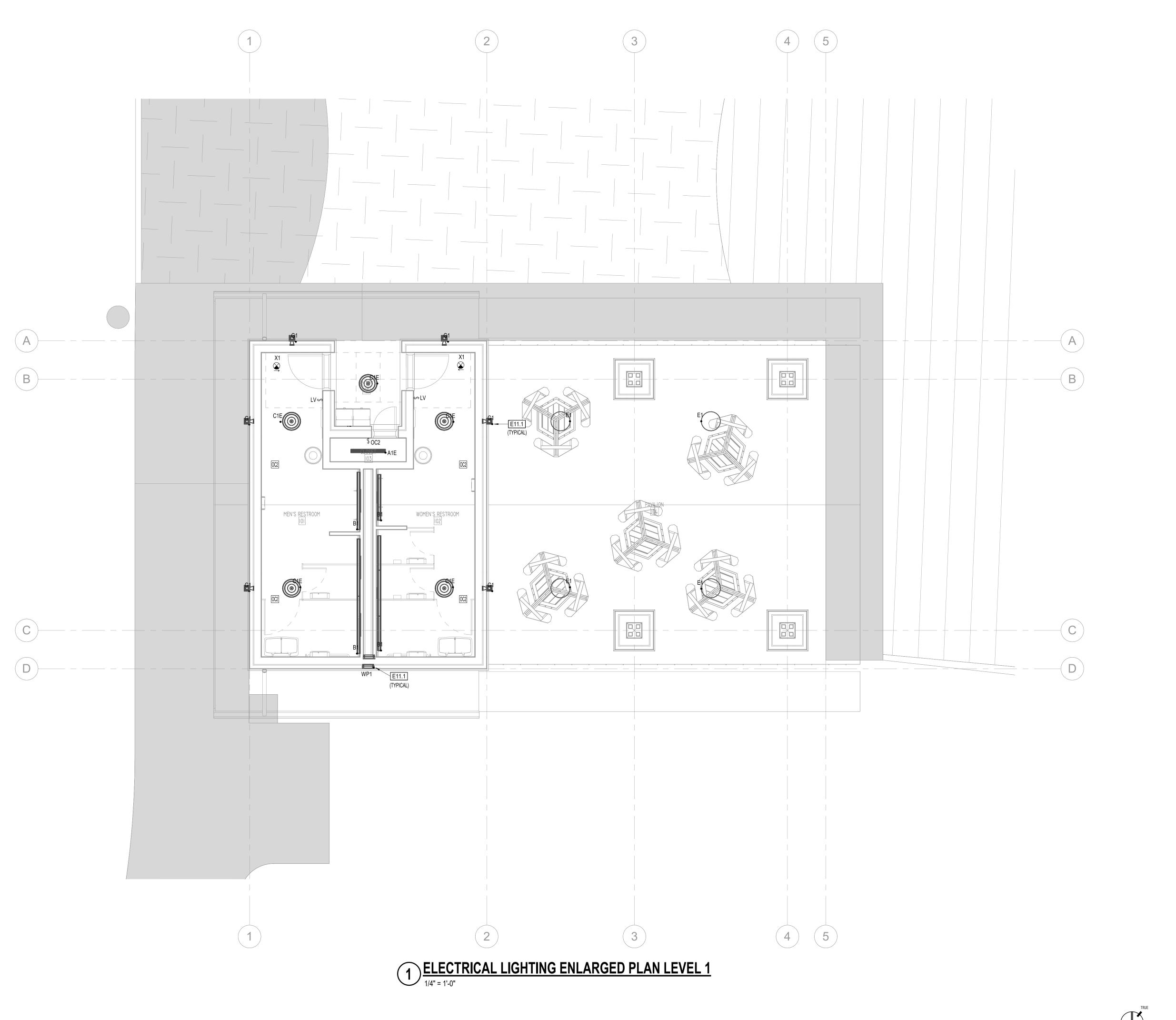


CHECK | Checker

DESCRIPTION

ISSUANCES & REVISIONS

ELECTRICAL GENERAL



GENERAL ELECTRICAL NOTES:

A. REFER TO SHEET E0.11 FOR ALL GENERAL ELECTRICAL NOTES.

ELECTRICAL KEYED NOTES

E11.1 PROVIDE EXTERIOR WALLPACK/ SCONCE LIGHTING FIXTURE.
CONTRACTOR SHALL FIELD COORDINATE EXACT LOCATION AND
ELEVATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.

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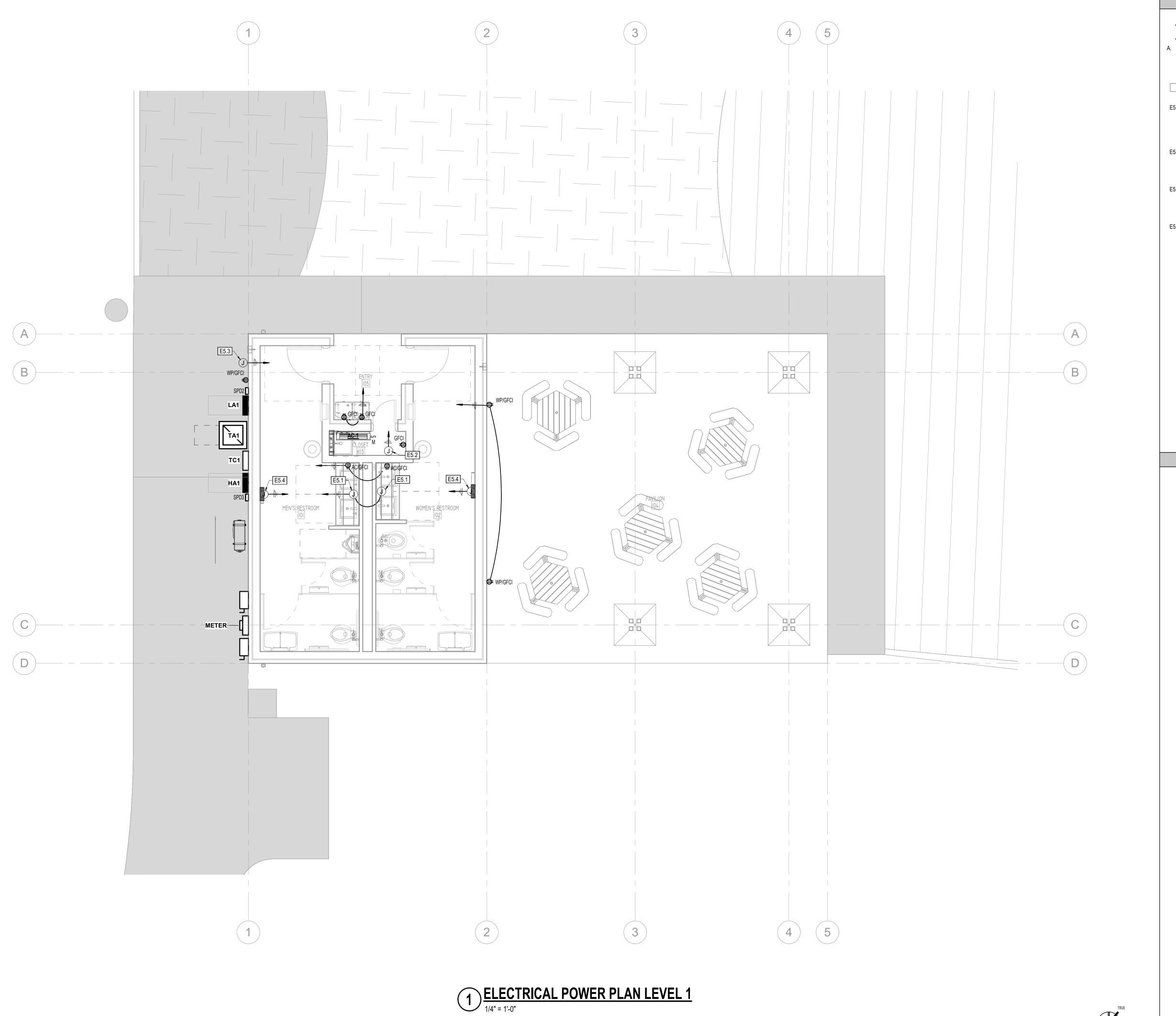
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DESIGN | Designer

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NO.	DESCRIPTION	DATE

ELECTRICAL LIGHTING ENLARGED PLAN



GENERAL ELECTRICAL NOTES:

A. REFER TO SHEET E0.11 FOR ALL GENERAL ELECTRICAL NOTES.

ELECTRICAL KEYED NOTES

- E5.1 PROVIDE 120V POWER FOR HARD WIRED LAVATORY FAUCET. PROVIDE 12-VOLT AC TRANSFORMER IF REQUIRED. COORDINATE WITH LAVATORY FAUCET MANUFACTURER FOR TRANSFORMER REQUIREMENT. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- E5.2 PROVIDE 120V POWER FOR SPLASH PAD CONTROL. COORDINATE WITH SPLASH PAD CONTROL MANUFACTURER FOR EXACT REQUIREMENTS. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- E5.3 PROVIDE 120V POWER FOR IRRIGATION CONTROL. COORDINATE WITH IRRIGATION CONTROL MANUFACTURER FOR EXACT REQUIREMENTS. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- E5.4 PROVIDE 120V POWER FOR HAND DRYER. COORDINATE WITH HAND DRYER MANUFACTURER FOR EXACT REQUIREMENTS.
 COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.

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ELECTRICAL POWER ENLARGED PLAN

TRA	TRANSFORMER FEEDER SCHEDULE - HARMONIC MITIGATING - 3 PHASE											
	PRIMARY VOLTA	AGE		SECONDARY VOLTAGE								
	480V, THREE PH	ASE		120/208V, THREE PHASE, FOUR WIRE								
KVA	FEEDER	CONDUIT	BREAKER	FEEDER	CONDUIT	BREAKER	G.E.C. SIZE					
15	3 #10, 1 #10 G.	3/4"	25A/3P	3 #6, 1 #4N, 1 #8G.	1"	60A/3P	#8					
30	3 #8, 1 #10 G.	1"	45A/3	3 #3, 1 #1/0N, 1 #8G.	1 1/4"	100A/3P	#8					
45	3 #4, 1 #8 G.	1"	70A/3P	3 #1/0, 1 #4/0N, 1 #6G.		150A/3P	#6					
75	3 #1, 1 #6 G.	1 1/4"	125A/3P	3 #250, 2 #3/0N, 1 #2G.	3"	250A/3P	#2					
112.5	3 #2/0, 1 #6 G.	1 1/2"	175A/3P	3 #600, 2 #300N, 1 #1/0G.	4"	400A/3P	#1/0					
150	3 #4/0, 1 #4 G.	2"	225A/3P	(2) SETS OF 3 #250, 2 #3/0N, 1 #1/0G.	3"	500A/3P	#1/0					
225	3 #500, 1 #3 G.	3"	350A/3P	(2) SETS OF 3 #600, 2 #300N, 1 #3/0G.	4"	800A/3P	#3/0					
300	(2) SETS OF 3 #4/0, 1#2G	2 1/2"	450A/3P	(3) SETS OF 3 #500, 2 #250N, 1 #3/0G.	3 1/2"	1000A/3P	#3/0					
500	(2) SETS OF 3 #500, 1#1/0G	3"	800A/3P	(5) SETS OF 3 #500, 2 #300N, 1 #350G.	3 1/2"	1800A/3P	#3/0					

-ALL CONDUCTORS SHALL BE COPPER

	TRANSFORMER SCHEDULE											
MARK	MARK KVA PRI. VOLTAGE SECONDARY VOLTAGE MOUNTING ENCLOSURE REMARKS											
TA1	TA1 45.0 480V, 3PH. 208Y/120V, 3PH., 4W PAD Type 3R											

* PROVIDE ALL TRANSFORMERS WITH ALUMINUM WINDING, UNLESS NOTED OTHERWISE.

	SURGE PROTECTION DEVICE (SPD) SCHEDULE												
MARK	MANUFACTURER	MODEL	VOLTAGE	PHASE	SURGE RATING PER MODE	BREAKER SIZE	TIERGUIDE CABLE SIZE						
SPD2	SOUTHERN TIER TECHNOLOGIES	T45120Y100AWAJ2S	208/120V	3	100/200kA	30A/3P	INCLUDED						
SPD3	SOUTHERN TIER TECHNOLOGIES	T45277Y100AWAJ2S	480/277V	3	100/200kA	30A/3P	INCLUDED						
	SPD NOTES												

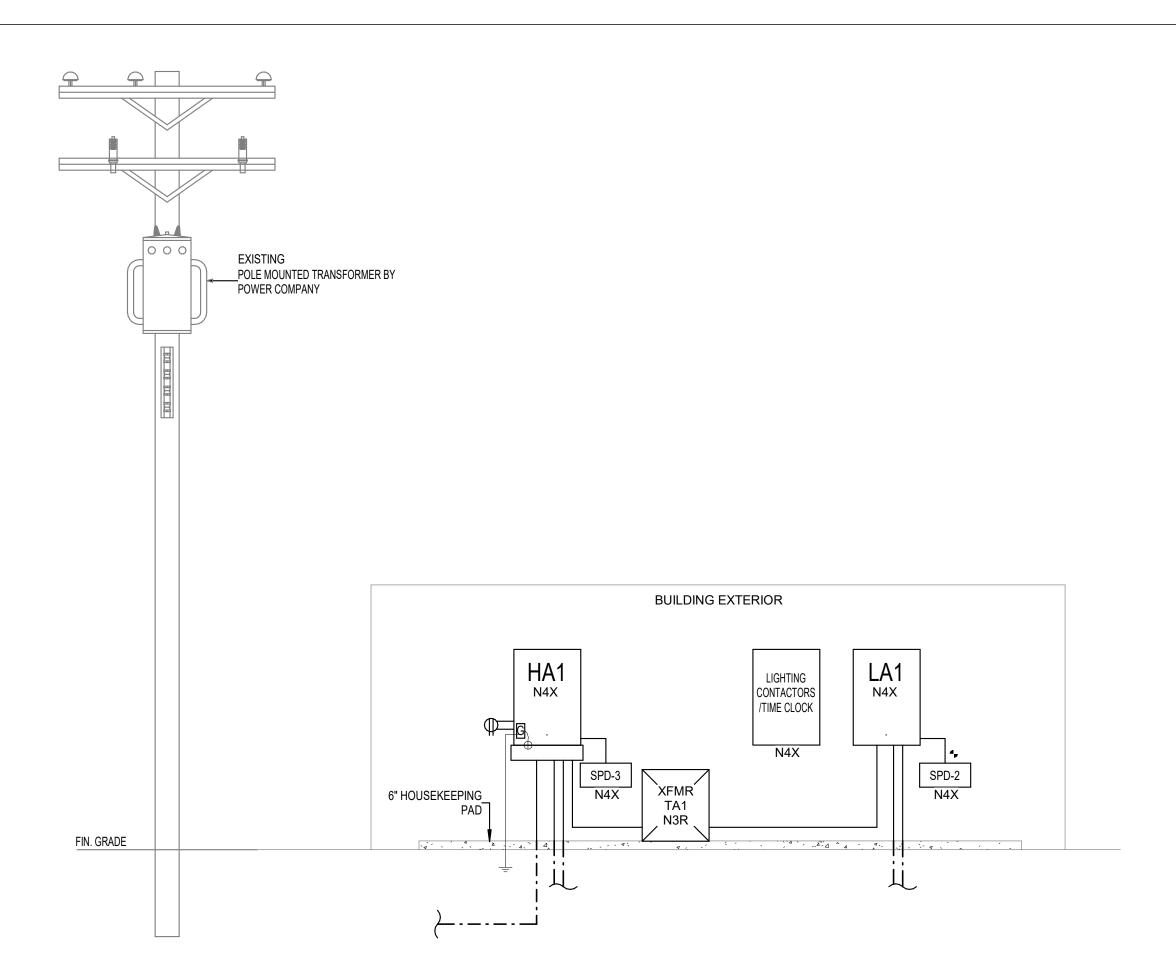
*ALL T45 SERIES SPD ENCLOSURES INSTALLED IN FOOD SERVICE AREAS (IE. KITCHENS, SNACK BARS, FOOD LABS, CULINARY ARTS ROOMS AND LIFE SKILLS ROOMS) SHALL BE RECESSED IN THE WALL. PROVIDE RECESSED WALL KIT #RKSS.

FEEDER SCHEDULE COPPER ONLY								
RATING	SETS	CONDUCTOR SIZE	CONDUI					
30A	1	4#10, 1#10 G.	3/4"					
40A	1	4#8, 1#10 G.	1"					
50A	1	4#8, 1#10 G.	1"					
60A	1	4#6, 1#10 G.	1"					
70A	1	4#4, 1#8 G.	1 1/4"					
80A	1	4#4, 1#8 G.	1 1/4"					
90A	1	4#3, 1#8 G.	1 1/4"					
100A	1	4#3, 1#8 G.	1 1/4"					
125A	1	4#1, 1#6 G.	1 1/2"					
150A	1	4#1/0, 1#6 G.	1 1/2"					
175A	1	4#2/0, 1#6 G.	2"					
200A	1	4#3/0, 1#6 G.	2"					
225A	1	4#4/0, 1#4 G.	2 1/2"					
250A	1	4#250, 1#4 G.	2 1/2"					
300A	1	4#350, 1#4 G.	3"					
350A	1	4#500, 1#3 G.	3 1/2"					
400A	1	4#600, 1#3 G.	4"					
450A	2	4#4/0, 1#2 G.	2 1/2"					
500A	2	4#250, 1#2G.	2 1/2"					
600A	2	4#350, 1#1G.	3"					
700A	2	4#500, 1#1/0G.	4"					
800A	2	4#600, 1#1/0G.	4"					
1000A	3	4#500, 1#2/0G.	4"					
1200A	4	4#350, 1#3/0G.	3"					
	4	4#600, 1#4/0G.	4"					
1600A	5	4#500, 1#4/0G.	4"					
	5	4#600, 1#250 G.	4"					
2000A	6	4#500, 1#250 G.	4"					
05004	6	4#600, 1#350 G.	4"					
2500A	7	4#500, 1#350 G.	4"					
3000A	8	4#500, 1#400 G.	4"					
	9	4#600, 1#500 G.	4"					
3500A	10	4#500, 1#500 G.	4"					
40001	10	4#600, 1#500 G.	4"					
4000A	11	4#500, 1#500 G.	4"					
50000	12	4#600, 1#750 G.	4"					
5000A	14	4#500, 1#750 G.	4"					

2. GROUND NOT REQUIRED AT SERVICE LATERAL.

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2	220.60	(H)Heatir	ng					0 VA					(Wł	H)Wat. Htr.						
2	220.60	(F)Fans									220.50)	(MT	T)Lrg. Motor						
l		(M)Misc.											(SP	P)Sub Pnl.	0 VA	Not 0	Comput	ed	0 VA	
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1 ELECTRICAL ONE-LINE DIAGRAM

ONE-LINE DIAGRAM GENERAL NOTES:

- A. CONTRACTOR SHALL UTILIZE THE MANUFACTURER OF ELECTRICAL EQUIPMENT TO PROVIDE A SHORT CIRCUIT, COORDINATION, AND ARC FLASH STUDY OF THE ENTIRE ELECTRICAL SYSTEM.
- 1. CONTRACTOR SHALL SUBMIT FULL STUDY PRIOR TO RELEASE OF ELECTRICAL EQUIPMENT FOR MANUFACTURER TO ENSURE EQUIPMENT IS IN COMPLIANCE WITH ALL STUDIES. STUDIES SHALL BE SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER.
- 2. PROVIDE DATA TO ENSURE SHORT CIRCUIT INTERRUPTING RATINGS OF EQUIPMENT IS GREATER THAN FAULT CURRENT AVAILABLE AT EQUIPMENT. COORDINATION STUDY SHALL PROVIDE SETTINGS FOR BREAKERS AND/OR FUSE SELECTION TO SELECTIVELY COORDINATE IN EMERGENCY, LEGALLY REQUIRED STANDBY, FIRE PUMPS AND ELEVATOR (NEC ARTICLE 700, 701, 620, 695) AREAS OF THE SYSTEM AND PROVIDE BEST COORDINATION SETTINGS IN THÉ BALANCE OF SYSTEM. .1 SECONDS DOES NOT COMPLY WITH NEC ARTICLE 700.32.
- 3. SERIES RATINGS MAY BE USED EXCEPT FOR SWITCHBOARDS AND DISTRIBUTION PANELS. SWITCHBOARDS AND DISTRIBUTION PANELS SHALL BE FULLY RATED. WHERE SERIES RATINGS ARE UTILIZED, EQUIPMENT SHALL BEAR BLUE LABELS INDICATING SERIES RATED EQUIPMENT ON THE EXTERIOR OF EACH ENCLOSURE.
- 4. ARC FLASH STUDY SHALL PROVIDE ARC INCIDENT ENERGY LEVELS, ARC FLASH BOUNDARY, AND PPE INFORMATION TO BE PRINTED AND APPLIED TO EACH EQUIPMENT IN THE SYSTEM. PROVIDE ALL TRIP CURVE, BREAKER/FUSE TESTED PAIR DATA AS WELL AS EQUIPMENT INTERRUPTING DATA AS PART OF STUDY.
- 5. REFER TO SPECIFICATIONS SECTION 26.05.73.
- B. METERING EQUIPMENT ENCLOSURE PROVIDED BY POWER CO., INSTALLED BY ELECTRICAL CONTRACTOR PER POWER COMPANY SPECIFICATIONS. METERS INSTALLED BY POWER COMPANY.
- C. CONTRACTOR SHALL INSTALL FEEDERS BASED ON THE OVERCURRENT DEVICE RATING UNLESS OTHERWISE NOTED. CONTRACTOR SHALL REFER TO THE FEEDER SCHEDULE TO OBTAIN AND INSTALL THE FEEDERS REQUIRED.
- D. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT AT THE TIME OF INSTALLATION AND CALCULATION. THE LABEL SHALL BE 2" X 3" IN SIZE AND SHALL BE BLUE LETTERING ON A CONTRASTING BACKGROUND. THIS LABEL SHALL ALSO INCLUDE THE DATE OF THE CALCULATION.
- E. PRIOR TO INSTALLATION OF UNDERGROUND FEEDERS, THE ELECTRICAL CONTRACTOR SHALL SUBMIT AN UNDERGROUND ROUTING PLAN TO THE ENGINEER OF RECORD., INDICATING THE EXACT ROUTING PATH FOR ALL UNDERGROUND CONDUIT. INDICATE STUB-UP LOCATIONS, SIZE AND QUANTITY OF CONDUIT. ALL ELECTRICAL PANELS AND EQUIPMENT SHALL BE SHOWN ON THIS PLAN FOR REFERENCE OF CONDUIT TERMINATION.
- F. CONTRACTOR SHALL COORDINATE NEW ELECTRICAL SERVICE WITH UTILITY COMPANY. PROVIDE CONDUIT, TRANSFORMER PAD, AND TAP BOX, WHERE REQUIRED. ALL NEW UTILITY WORK SHALL BE IN ACCORDANCE WITH LOCAL UTILITY STANDARDS.

ONE-LINE DIAGRAM KEYED NOTES: #—

ENCLOSURE, AND POTENTIAL TRANSFORMER ENCLOSURE AS REQUIRED TO PROVIDE NEW SERVICE ENTRANCE PER CENTERPOINT ENERGY STANDARDS.

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AR IO JL/TN AC/LG 301 CEMETERY ROAD, TEXAS 77515

Designer | Designer

DRAW DBR CHECK DBR

IS	SUANCES & REVIS	IONS
NO.	DESCRIPTION	DATE

ELECTRICAL ONE-LINE DIAGRAM

LIGHTING CONTROLS DEVICE SCHEDULE										
TYPE	DESCRIPTION	COMMENTS								
\$ \$ ³ \$ ⁴ \$ ^K	LINE VOLTAGE SWITCH.	'3' INDICATES THREE WAY SWITCHING. '4' INDICATES FOUR WAY SWITCHING. 'K' INDICATES SWITCH SHALL BE KEYED SWITCH.								
\$ ^{MC}	LINE VOLTAGE MOMENTARY CONTACT SWITCH.									
\$ ^{DR}	LINE VOLTAGE DIMMER SWITCH	DIMMER FOR USE IN DWELLING UNIT. COORDINATE DIMMING TYPE WITH FINAL FIXTURE AND LAMP SELECTION TO ENSURE COMPATIBILITY.								
\$ ^{3,D}	LINE VOLTAGE DIMMER WITH 3-WAY SWITCH.	3-WAY DIMMER FOR USE IN DWELLING UNIT. COORDINATE DIMMING TYPE WITH FINAL FIXTURE AND LAMP SELECTION TO ENSURE COMPATIBILITY.								
\$ ^F	MULTI-SPEED FAN CONTROLLER WITH LINE VOLTAGE SWITCH.									
\$ ^T	LINE VOLTAGE TIMER SWITCH WITH DIGITAL TIMER.	RATED FOR 120/277VAC. PROVIDE WITH AUDIBLE & VISUAL ALERTS. USER PROGRAMMABLE FOR 5MIN-12HR TIME-OUT SETTINGS.								
\$ ^{oc1}	LINE VOLTAGE WALL MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR	SENSOR SHALL BE SET TO VACANCY MODE								
\$ ^{OC2}	LINE VOLTAGE WALL MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR WITH DUAL RELAYS.	SENSOR SHALL BE SET TO VACANCY MODE. ONE RELAY SHALL SERVE 120 VOLT LIGHTING IN AREA INDICATED, AND ONE RELAY SHALL SERVE 277 VOLT LIGHTING.								
\$ ^{OCD}	LOW VOLTAGE OC SENSOR SWITCH WITH 0-10V DIMMER	SENSOR SHALL BE SET TO VACANCY MODE								
\$ ^{LV} \$ ^{LVK}	LOW VOLTAGE MANUAL CONTROL.	CONNECT TO POWER PACK OR ROOM CONTROLLER IF OCCUPANCY SENSORS ARE INDICATED ON PLAN. PROVIDE MULTI-BUTTON SWITCH AS REQUIRED PER SWITCH LEGS SHOWN ON PLANS. 'K' INDICATES SWITCH SHALL BE KEYED SWITCH.								
\$ ^{OR} \$ ^{ORK}	LOW VOLTAGE MANUAL CONTROL.	CONNECT TO RELAY PANEL OR TIME CLOCK FOR TIME OF DAY OVERRIDE AS NOTED ON PLANS. PROVIDE MULTI-BUTTON SWITCH AS NOTED ON PLANS. 'K' INDICATES SWITCH SHALL BE KEYED SWITCH.								
\$ ^D	LOW VOLTAGE SWITCH WITH 0-10V DIMMER	PROVIDE MULTI-BUTTON SWITCH AS REQUIRED PER SWITCH LEGS SHOWN ON PLANS. PROVIDE POWER PACKS OR ROOM CONTROLLERS AS REQUIRED.								
OC1	CEILING MOUNTED DUAL TECH OCCUPANCY SENSOR.	SET TO VACANCY MODE. PROVIDE POWER PACKS AS NEEDED.								
OC2	CEILING MOUNTED DUAL TECH OCCUPANCY SENSOR.	SET TO OCCUPANCY MODE. PROVIDE POWER PACKS AS REQUIRED.								
OC3	CEILING MOUNTED ULTRASONIC OR MICROPHONIC OCCUPANCY SENSOR.	SET TO OCCUPANCY MODE. PROVIDE POWER PACKS AS REQUIRED.								
OC4	CORNER MOUNTED DUAL TECH OCCUPANCY SENSOR.	SET TO VACANCY MODE. PROVIDE POWER PACKS AS REQUIRED.								
OC5	WET LOCATION PIR OCCUPANCY SENSOR.	CONNECT GARAGE OCCUPANCY SENSORS TO RELAY PANEL SERVING AREA. PROVIDE POWER PACKS FOR CONTROL WHERE NOT LOCATED IN THE GARAGE.								
OC6	CEILING MOUNTED DUAL TECH OCCUPANCY SENSOR FOR HIGH BAY APPLICATION.	SET TO VACANCY MODE. PROVIDE POWER PACKS AS REQUIRED.								
PC	DIGITAL PHOTOSENSOR	CONNECT TO ROOM CONTROLLER OR RELAY PANEL AS NOTED ON PLANS.								
DS	DAYLIGHT HARVESTING SENSOR	CONNECT TO ROOM CONTROLLER OR INDIVIDUAL LIGHT FIXTURE FOR DAYLIGHT HARVESTING DIMMING CONTROL.								

1. WATTSTOPPER IS THE BASIS OF DESIGN.

2. THE LIGHTING CONTROLS SCHEDULED ARE THE BASIS OF DESIGN. IT IS NOT INTENDED TO LIMIT COMPETITION FROM EQUAL MANUFACTURERS. ALL BIDDERS SHALL SUBMIT THEIR PROPOSED LIGHTING CONTROLS IN SUBMITTAL FORM A MINIMUM OF 10 BUSINESS DAYS PRIOR TO BID DATE FOR REVIEW. APPROVED LIGHTING CONTROL SYSTEMS WILL BE ISSUED IN AN ADDENDUM.

3. BASIS OF DESIGN SHALL BE A HARD-WIRED TYPE SYSTEM, UNLESS NOTED OTHERWISE.

IECC 2015 (VERTICAL)																		
IECC 2015 STANDARD SEQUENCE of OPERATIONS	AUTO ON	MANUAL ON (VACANCY)	AUTO OFF (30 MIN MAX)	PARTIAL OFF AT NORMAL HOURS	AUTO OFF AFTER HOURS (30 MIN MAX)	TIME ON	TIME OFF	ASTRONOMIC or PHOTOCELL ON/OFF	AUTO STEP CONTROL WITH OFF	AUTO CONTINUOUS DIM WITH OFF	MANUAL BI-LEVEL REDUCTION CONTROL	MANUAL CONINUOUS DIM CONTROL	MANUAL ON/OFF SWITCH	MANUAL DIMMER SWITCH	DISPLAY, ACCENT, TASK CONTROL			

ROOM TYPE	OCCU	JPANCY S	ENSOR	TIME SWITCH		1	DAYLIGH	CONTROL	LT RE	EDUCT	MAN	UAL CONTROL	SEQUENCE OF OPERATION
SPACES (≥300 sq ft)	50%	20 MIN						D	•	D	•	D	Auto On 50%; Occupancy sensor Auto Off; Local control and ≥50% light reduction with two on/off controls; Where ≥150W in daylight area, use continuous dimming daylighting control and dimmer switch.
RESTROOM	100%	20 MIN							•		•		Auto On 100%. Occupancy sensor Auto Off; Local control and ≥50% light reduction with two on/off controls;
STORAGE ROOM	50%	20 MIN						D	•	D	•	D	Auto On 50%; Occupancy sensor Auto Off; Local control and ≥50% light reduction with two on/off controls; Where ≥150W in daylight area, use continuous dimming daylighting control and dimmer switch.
MULTIPURPOSE (≤ 100 sq ft)	50%	20 MIN						D	•	D	•	D	Auto On 50%; Occupancy sensor Auto Off; Local control and ≥50% light reduction with two on/off controls; Where ≥150W in daylight area, use continuous dimming daylighting control and dimmer switch.
BUILDING FACADE / LANDSCAPE				CLOSE	OPEN	•							Dusk Auto On with astronomical time switch or photocell; Evening Time Auto Off as a function of close time. Morning Time On as a function of open time; Dawn Auto Off.
EXTERIOR / PARKING LOTS / SITE LIGHTING				6AM	12:00 AM	•							Dusk Auto On with astronomical time switch or photocell; Reduce at least 30% from midnight or up to one hour after business close. Auto On to full at 6:00AM or up to one hour before business open. Dawn Auto Off.

IECC, ASHRAE (NOTES)

•= Designation for code compliant default control design for spaces without daylighting control D= Where daylighting control is required, "D" designation indicates controls required in the space for code compliance design

CK= Captive Key Switch system for use in Hotel/Motel and Guest Suites

	LIGHTING FIXTURE SCHEDULE											
TYPE	PE MANUFACTURER MODEL MOUNTING LAMPS VOLTAGE WATTAGE DESCRIPTION											
A1E			SURFACE	LED	277 V	58 VA	LED STRIP					
B1			SURFACE	LED	277 V	58 VA	LED WALL WASH					
C1E	PENDANT LED 277 V 58 VA LED PENDANT											
E1			PENDANT	LED	277 V	58 VA	EXTERIOR RATED LED PENDANT					
G1			SURFACE	LED	277 V	58 VA	EXTERIOR LED SCONCE					
S1	NATIONAL LED	DORADO XLE	POLE	LED	277 V	100 VA	LED POLE					
S2	JEC	ALL IN ONE SMART SOLAR LIGHT	POLE	LED	277 V	100 VA	LED POLE					
WP1			SURFACE	LED	277 V	58 VA	LED WALL PACK					
X1			SURFACE	LED	277 V	2 VA	LED EXIT SIGN					

LIGHTING FIXTURE CATALOG NUMBERS AND DESCRIPTIONS ARE SCHEDULED FOR ESTABLISHING QUALITY, APPEARANCE AND PERFORMANCE OF THE FIXTURES AS REQUIRED BY THE DESIGN. EXACT CATALOG NUMBERS DESCRIBING MOUNTING CONDITIONS, FINISHES AND REQUIREMENTS RELATED TO TRIMS AND LENS FOR ALL FIXTURES SHALL BE CONFIRMED (BY THE CONTRACTOR) WITH THE ROOM FINISH SCHEDULE AND REFLECTED CEILING PLANS, INCLUDING GRID TYPES, ON THE ARCHITECTURAL DRAWINGS PRIOR TO BIDDING. FIXTURES SHALL BE SUBMITTED ACCORDING TO THE CONDITIONS INDICATED ON THE ARCHITECTURAL PLANS. REFER TO THE WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 THE NEW LIGHT FIXTURES SCHEDULED ARE THE BASIS OF DESIGN. IT IS NOT INTENDED TO LIMIT COMPETITION FROM EQUAL MANUFACTURERS. ALL BIDDERS SHALL SUBMIT THEIR PROPOSED LIGHT FIXTURES IN SUBMITTAL FORM A MINIMUM OF 10 BUSINESS DAYS PRIOR TO BID DATE FOR REVIEW. APPROVED LIGHT FIXTURES WILL BE ISSUED IN AN ADDENDUM.

BURDITT

310 Longmire

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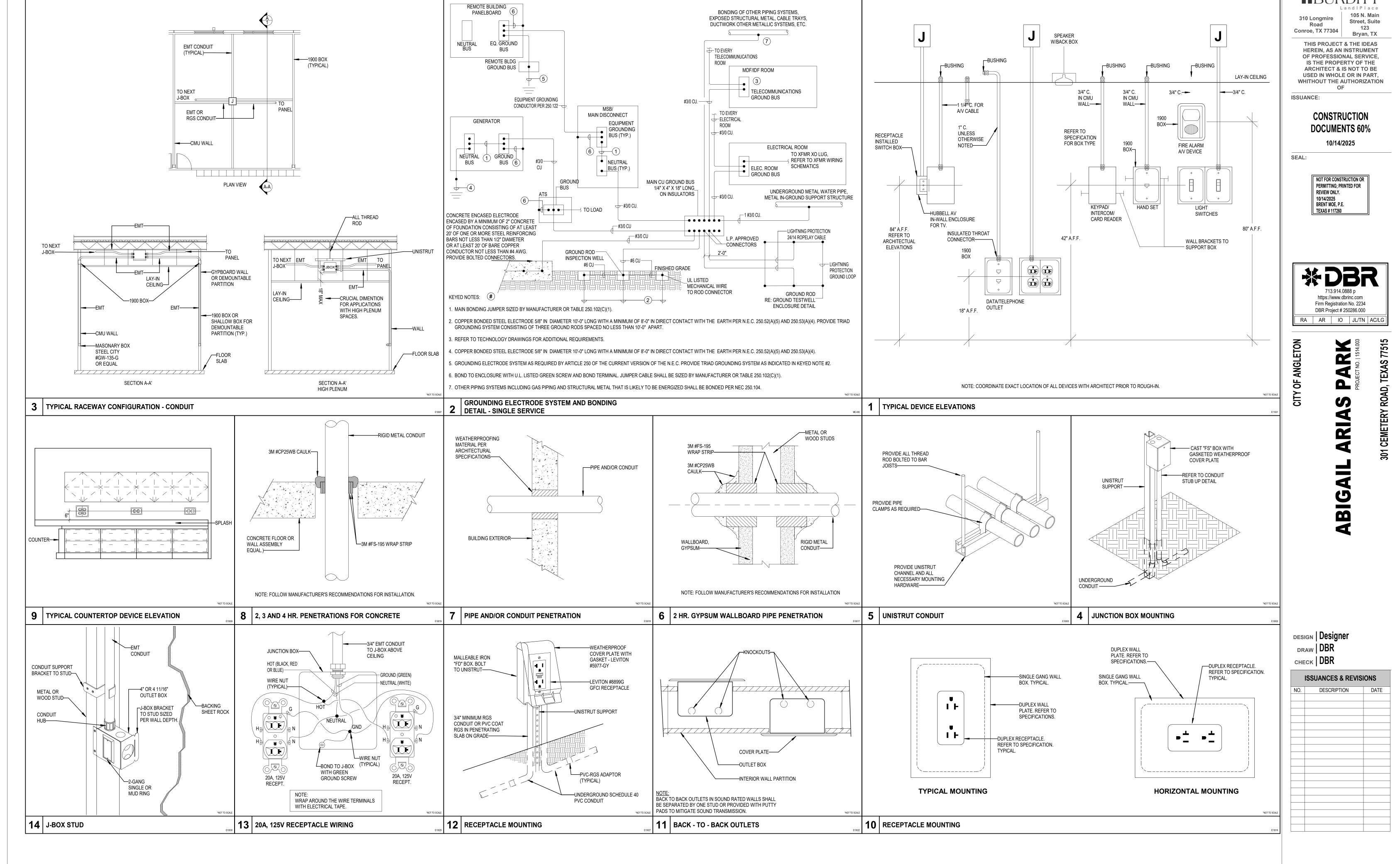
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CHECK | DBR

NO.	DESCRIPTION	DATE						

ELECTRICAL SCHEDULES



ELECTRICAL DETAILS

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301 CEMETERY ROAD, TEXAS 77515

Designer | Designer DRAW DBR

CHECK DBR

NO. DESCRIPTION DA									

ELECTRICAL DETAILS

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105 N. Main Street, Suite 123 Bryan, TX

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DBR Project # 250

PROJECT NO. | 15-

TEXAS

ROAD,

DESIGN | Designer

CHECK | DBR

NO. DESCRIPTION DATE
1 60% CD 10/14/25

MECHANICAL SYMBOL LEGEND

MO.O

MECHANICAL GENERAL NOTES

- A. MECHANICAL DRAWINGS AND SPECIFICATIONS ARE DIAGRAMMATIC IN NATURE AND INTENDED TO DESCRIBE AND ILLUSTRATE SYSTEMS THAT WILL NOT INTERFERE WITH THE ARCHITECTURAL / STRUCTURAL CONDITIONS OF THE BUILDING AND WILL FIT INTO AVAILABLE SPACES. CONTRACTOR SHALL COORDINATE ALL WORK TO CONFORM TO THE ARCHITECTURAL, STRUCTURAL, FINISH CONDITIONS, EQUIPMENT MANUFACTURER / FIXTURE CUTSHEETS AND WITH OTHER TRADES, TO AVOID OBSTRUCTIONS, AND TO ALLOW THE PROPER INSTALLATION OF EACH ITEM. EQUIPMENT SIZES, DIMENSIONS, AND REQUIRED CONNECTIONS SHALL BE VERIFIED WITH THE MANUFACTURER'S DRAWINGS AND CUTSHEETS PRIOR TO FABRICATING OF DUCTWORK, PIPING, OR POURING OF CONCRETE HOUSEKEEPING PADS. CONTRACTOR SHALL OBTAIN ALL ARCHITECTURAL DRAWINGS AND STRUCTURAL DATA. LOCATIONS OF PIERS, BEAMS, COLUMNS, JOISTS, ETC., FROM STRUCTURAL DRAWINGS AND PROVIDE OFFSETS, RELOCATIONS, ETC., AS REQUIRED TO MEET THIS INTENT AT NO ADDITIONAL COST. PROVIDE ALL NECESSARY PIPING, DUCTWORK, FITTING, INSULATION, AND OTHER ACCESSORIES IN ORDER TO COMPLETE THE INSTALLATION.
- B. CONTRACTOR SHALL BE RESPONSIBLE TO EXAMINE ALL THE CONTRACT DOCUMENTS CAREFULLY BEFORE SUBMITTING THEIR BID, WITH PARTICULAR ATTENTION TO ERRORS, OMISSIONS, CONFLICTS WITH PROVISIONS OF LAWS AND CODES HAVING JURISDICTION, CONFLICTS BETWEEN DRAWINGS OR DRAWINGS AND SPECIFICATIONS, AND AMBIGUOUS DEFINITION OF THE EXTENT OF COVERAGE BETWEEN CONTRACTS. ANY SUCH DISCREPANCY SHALL BE BROUGHT IMMEDIATELY TO ATTENTION FOR CORRECTION. SHOULD ANY OF THESE ERRORS, OMISSIONS, CONFLICTS, OR AMBIGUITIES EXIST, THE CONTRACTOR SHALL HAVE THEM EXPLAINED AND AT THEIR EXPENSE, SUPPLY THE PROPER MATERIALS AND LABOR TO MAKE GOOD ANY DAMAGE OR DEFECTS IN THEIR WORK OR THE RESULTS OBTAINED THEREFORE, CAUSED BY SUCH DISCREPANCY. THE CONTRACTOR SHALL MAKE A CAREFUL EXAMINATION OF THE PREMISES AND THOROUGHLY FAMILIARIZE THEMSELF WITH THE REQUIREMENTS OF THE CONTRACT. UPON COMMENCEMENT OF THE CONSTRUCTION FOR THE WORK INCLUDED IN THIS CONTRACT, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH A STUDY OR EXAMINATION AND ACCEPTS ALL CONDITIONS.
- C. WHEREVER CONFLICTS OCCUR BETWEEN DIFFERENT PARTS OF THE CONTRACT DOCUMENTS (SUCH AS DRAWINGS AND SPECIFICATIONS), THE GREATER QUANTITY, THE BETTER QUALITY, THE LARGER SIZE, OR THE VALUE WITH THE GREATEST COST IMPACT SHALL PREVAIL UNLESS THE ARCHITECT INFORMS THE CONTRACTOR OTHERWISE IN WRITING. THIS INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING DATA: DIMENSIONS, GAUGE THICKNESS, TEMPERATURES, PRESSURE, BTUH, SCHEDULE / TIME DURATION, ELECTRICAL RATING, MATERIAL, SAFETY RATING, ENERGY EFFICIENCY, ETC.
- D. CONTRACTOR SHALL PROVIDE A MECHANICAL INSTALLATION THAT IS COMPLETE AND ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLY INCIDENTAL, OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN, THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, MATERIALS, LABOR, SUPERVISION AND SERVICE NECESSARY SO AS TO PROVIDE A COMPLETE, FUNCTIONING
- E. ALL EQUIPMENT, PIPING, DUCTWORK, ETC. SHALL BE LOCATED APPROXIMATELY IN GENERAL LOCATIONS SHOWN AND SHALL CONFORM TO ALL ARCHITECTURAL AND STRUCTURAL CONDITIONS. PROVIDE ANY ADDITIONAL SUPPORTS, HANGERS, OPENINGS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS ENSURING THAT ACCESS PANELS ARE NOT BLOCKED. EXPERIENCED CRAFTSMEN SHALL MAKE THE INSTALLATION OF ALL EQUIPMENT IN A NEAT WORKMANSHIP-LIKE MANNER. EQUIPMENT SHALL BE AS SCHEDULED OR APPROVED EQUAL. EQUIPMENT SHALL BE INSTALLED IN FULL ACCORDANCE WITH ALL APPLICABLE CODES HAVING JURISDICTION. COORDINATE BETWEEN ALL TRADES PRIOR TO STARTING ANY WORK. PROVIDE ADEQUATE CLEARANCE FOR PROPER OPERATION, SERVICE/ MAINTENANCE, AIR FLOW, ETC. PIPING AND DUCTWORK ARE NOT PERMITTED IN ELECTRICAL, ELEVATOR MACHINE, TELECOM, IT, AND COMMUNICATION ROOMS. ALL ELEVATIONS INDICATED IN THIS WAY (8' – 4") ARE THE ELEVATIONS FROM THE FINISHED FLOOR DIRECTLY BELOW TO THE BOTTOM OF THE BARE PIPE OR DUCT.
- F. EXECUTE ALL WORK FOLLOWING LOCAL, STATE AND/OR NATIONAL CODES, ORDINANCES AND REGULATIONS GOVERNING THE PARTICULAR CLASS OF WORK INVOLVED. THE GOVERNING CODES ARE MINIMUM REQUIREMENTS. THE DRAWINGS AND/OR SPECIFICATIONS SHALL PREVAIL WHERE THE DRAWINGS ARE/OR ACCOMPANYING SPECIFICATIONS EXCEED THE CODE REQUIREMENTS.
- G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILING AND PAYING ALL FEES AND OBTAINING NECESSARY PERMITS AND CERTIFICATES OF INSPECTION. THE CONTRACTOR SHALL DELIVER ALL CERTIFICATES OF INSPECTION TO OWNER/CONSTRUCTION MANAGER INCLUDING COPIES WITH MAINTENANCE
- H. CONTRACTOR SHALL PROVIDE DETAILED AND DIMENSIONED HVAC DUCTWORK AND PIPING FABRICATION SHOP DRAWINGS FOR APPROVAL BY THE ARCHITECT / ENGINEER. DURING THE INSTALLATIONS OF THE WORK, THE CONTRACTOR SHALL KEEP DETAILED RECORDS OF ANY AND ALL CHANGES MADE FROM THE WORK AS ACTUALLY INSTALLED. THESE RECORD DRAWINGS SHALL BE NOTED "AS-BUILT", AND SUBMITTED TO THE ARCHITECT / ENGINEER FOR REVIEW WITH ALL O&M MANUALS.
- I. PROPERLY SUPPORT ALL EQUIPMENT, DUCTWORK AND PIPING WITHIN THE BUILDING AND PROVIDE ADEQUATE PROVISIONS FOR SLOPE AND ANCHORAGE. CONTRACTOR SHALL USE HANGERS, RODS AND INSERTS LISTED BY UNDERWRITERS' LABORATORIES FOR THE SERVICE INTENDED, SECURELY SUPPORTED BY STRUCTURAL MEMBERS WHICH IN TURN ARE SUPPORTED DIRECTLY FROM THE BUILDING STRUCTURE.
- J. CLEARANCE REQUIREMENTS BETWEEN MECHANICAL COMPONENTS AND SWITCHBOARDS, PANELBOARDS, POWER PANELS, MOTOR CONTROL CENTERS AND TRANSFORMERS SHALL CONFORM TO THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE.
- K. DUCTWORK AND PIPING SHALL BE INSTALLED CONCEALED ABOVE CEILINGS, INSIDES CHASES / WALLS, ETC. IN GENERAL LOCATIONS SHOWN, UNLESS NOTED OTHERWISE. CONFORM TO ALL ARCHITECTURAL, STRUCTURAL, AND FINISH CONDITIONS OF THE BUILDING. WHEREVER CONDITIONS ARISE WHICH WILL CAUSE NORMALLY CONCEALED MATERIALS TO BE EXPOSED. IMMEDIATELY CALL THE SITUATION TO THE ATTENTION OF THE ARCHITECT AND STOP WORK IN THOSE AREAS UNTIL THE ARCHITECT DIRECTS THE RESUMPTION OF THE WORK AND THE PROCEDURES TO BE FOLLOWED. ALL DUCTWORK, PIPING AND ASSOCIATED ACCESSORIES IN OCCUPIED AREAS THAT ARE EXPOSED TO VIEW SHALL BE PAINTED. REFER TO ARCHITECT FOR COLOR. DUCT SIZES SHOWN ON PLANS ARE CLEAR INSIDE DIMENSIONS. IN ANY CASE WHERE A PIPE OR DUCT SHOWN ON THE PLAN SHEET DIFFERS FROM THAT SHOWN IN A SCHEMATIC OR DETAIL, PROVIDE THE LARGER OF THE TWO SIZES SHOWN.
- L. SLOPE AND ARRANGE HVAC PIPING TO ESTABLISH HIGH POINTS FOR AIR ELIMINATION AND LOW POINTS TO PERMIT PROPER DRAINAGE. PROVIDE AIR VENTS AT HIGH POINTS AND DRAIN VALVES AT LOW POINTS. ALL PIPING SHOWN ON FLOOR PLANS SHALL BE ROUTED ABOVE THE CEILING ON THE FLOOR WHERE IT IS SHOWN, UNLESS OTHERWISE NOTED. ARRANGE PIPING CONNECTIONS TO ALL EQUIPMENT TO ALLOW EASY REMOVAL OF EQUIPMENT COILS, FANS, MOTORS, FILTERS, ACCESS PANELS, ETC. PROVIDE UNIONS, FLANGES, AND VALVES AT CONNECTIONS. ALL EXTERIOR PIPING SHALL BE INSULATED AND JACKETED. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. PIPING RUN-OUTS TO TERMINAL UNITS SHALL BE 3/4" UNLESS OTHERWISE NOTED. MINIMUM PIPE SIZE FOR THE PROJECT SHALL BE 3/4".
- M. WALL MOUNTED THERMOSTATS / HUMIDISTATS / SENSORS SHALL BE MOUNTED AT 42" A.F.F. APPROX. WHERE INDICATED ON PLANS, UNLESS OTHERWISE NOTED. SENSOR LOCATION SHALL BE MAX 12" FROM END OF WALL AND/OR DOOR JAMB. COORDINATE EXACT LOCATIONS WITH ARCHITECT, ELECTRICAL CONTRACTOR, AND BETWEEN OTHER TRADES PRIOR TO MOUNTING. DO NOT MOUNT ABOVE DIMMERS. THERMOSTATS ON EXTERIOR WALLS OR WALLS SEPARATING CONDITIONED SPACE FROM UNCONDITIONED SPACE SHALL BE INSULATED. THERMOSTATS / HUMIDISTATS / SENSORS SHALL NOT BE INSTALLED ON DECORATIVE WALLS.

- R. HVAC SYSTEMS SHALL BE INSTALLED COMPLETE WITH ALL BALANCING AND REGULATING DEVICES NECESSARY FOR THE TAB CONTRACTOR TO PERFORM THEIR WORK. COORDINATE WITH THE TAB CONTRACTOR TO DETERMINE THEIR EXACT REQUIREMENTS. ALL HVAC SYSTEMS SHALL BE STARTED PER MANUFACTURER'S START-UP INSTRUCTIONS. REPLACE FILTERS, BELTS, SHEAVES, DAMPERS, VALVES, STARTERS AND HEATERS AS NECESSARY PRIOR
- S. CONTRACTOR SHALL PROVIDE ALL TESTING, ADJUSTING, AND BALANCING WORK TO INCLUDE, BUT NOT LIMITED TO, ADJUSTMENT OF DAMPERS, BALANCE AIR DEVICES, VERIFY CORRECT SETPOINT AND CALIBRATION OF THERMOSTATS, VERIFY ALL SEQUENCE OF OPERATION, STAGING OF COOLING/ HEATING AS APPLICABLE, BALANCE OF CONDENSER AND HEATING WATER SYSTEMS, PUMPS, BOILERS, COOLING TOWERS, NOTE DEFICIENCIES IN MECHANICAL SYSTEM, ETC. FOR A CORRECTLY OPERATING MECHANICAL SYSTEM. CONTRACTOR SHALL REPLACE ALL FILTERS AND CLEAN ALL STRAINERS. TESTING AND BALANCING SUBCONTRACTOR MUST BE A MEMBER IN GOOD STANDING OF AABC AND SUBMIT REPORT ON AABC OR SMACNA FORMS FOR APPROVAL BY THE ENGINEER. PROVIDE A TEST AND BALANCE REPORT TO THE MECHANICAL INSPECTOR AT TIME OF HEATING FINAL INSPECTION. TAB CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR TO LOCATE DP SENSORS IN PIPING FOR PUMPING SYSTEMS AND STATIC PRESSURE SENSORS IN DUCTWORK FOR FAN SYSTEMS.
- T. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS. CONTRACTOR SHALL ENSURE THE FURNISHING AND INSTALLATION OF ALL BRANCH ELECTRICAL CIRCUIT WIRING, CONDUITS, PROTECTIVE DEVICES, DISCONNECTS, AND ACCESSORIES FOR ALL ELECTRICAL CONTROL POWER WIRING TO INCLUDE, BUT NOT LIMITED TO, CONTROL PANELS, ACTUATORS, SMOKE DETECTORS, CONTROL / MOTORIZED DAMPER, PRESSURE MONITORS, FIRE/SMOKE DAMPERS, VARIABLE FREQUENCY DRIVES, VAV TERMINALS (24V TRANSFORMER) AND ALL OTHER 120V CONTROLS AS REQUIRED FOR A COMPLETE CONTROL SYSTEM WHETHER SHOWN TO BE PERFORMED BY OTHER OR NOT. ALL ELECTRICAL WORK SHALL BE INSTALLED IN FULL ACCORDANCE WITH REQUIREMENTS OF ELECTRICAL SPECIFICATIONS AND THE NATIONAL ELECTRICAL
- U. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND SIZE OF LOUVERS. BLANK OFF AREA OF LOUVER NOT USED FOR INTAKE OR EXHAUST. LOUVERS SHALL BE DRAINABALE STATIONARY TYPE AND SHALL BE AMCA 500-L CERTIFIED. LOUVERS LOCATED IN HURRICANE-PRONE REGIONS SHALL BE AMCA 550 CERTIFIED. LOUVERS LOCATED IN WIND-BOURNE DEBRIS REGIONS WITHIN 30 FEET OF GRADE SHALL BE AMCA 540 CERTIFIED.
- V. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FINISHES AND FURNISHINGS FROM DAMAGE DURING WORK.
- W. ALL PIPES AND OTHER EQUIPMENT SHALL BE PROPERLY SUPPORTED BY GALVANIZED OR CADMIUM PLATED ANCHOR BOLTS, ALL THREAD RODS AND WASHERS, LOCK WASHERS OR DOUBLE NUTS, AND BOLTS.
- X. INSTALLING CONTRACTOR SHALL STRICTLY ADHERE TO ANCHOR BOLT MANUFACTURER'S INSTALLATION RECOMMENDATIONS REGARDING PULL-OUT LOADS, ANCHOR DIAMETER AND DEPTH OF ANCHOR INSERTION FOR DRILLING THE ANCHOR POINT IN CONCRETE.
- Y. SUBMIT SUPPORT LOCATIONS AND LOADS OF PIPES GREATER THAN 6" DIAMETER TO STRUCTURAL ENGINEER FOR REVIEW.
- Z. POST-INSTALLED ANCHOR BOLTS ARE NOT PERMITTED TO BE INSTALLED IN THE SOFFIT OF BEAMS OR JOISTS.
- AA. POST-INSTALLED ANCHOR BOLTS INSTALLED ON THE SIDE OF BEAMS OR JOISTS SHALL BE LOCATED A MINIMUM OF 5" FROM BOTTOM OF THE BEAM OR
- BB. NO PIPE HANGERS SHALL BE SPACED MORE THAN 10'-0" O.C. COMPLY WITH PIPE SPACING AS SPECIFIED IN THE PIPING SUPPORT SPECIFICATIONS.
- CC. ALL PIPING LOCATED INSIDE BUILDING SHALL BE SUPPORTED FROM THE STRUCTURE WITH SADDLE OR TRAPEZE HANGERS WITH ADJUSTABLE CLEVIS OR THREADED RODS.

DD. COORDINATE LOCATIONS OF FLOOR AND WALL OPENINGS WITH ARCHITECT AND STRUCTURAL ENGINEER.

EE. MECHANICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR FOR ALL CONDENSATE DRAIN PIPES CONNECTING TO A LAVATORY / SINK DRAIN TAIL PIECE.

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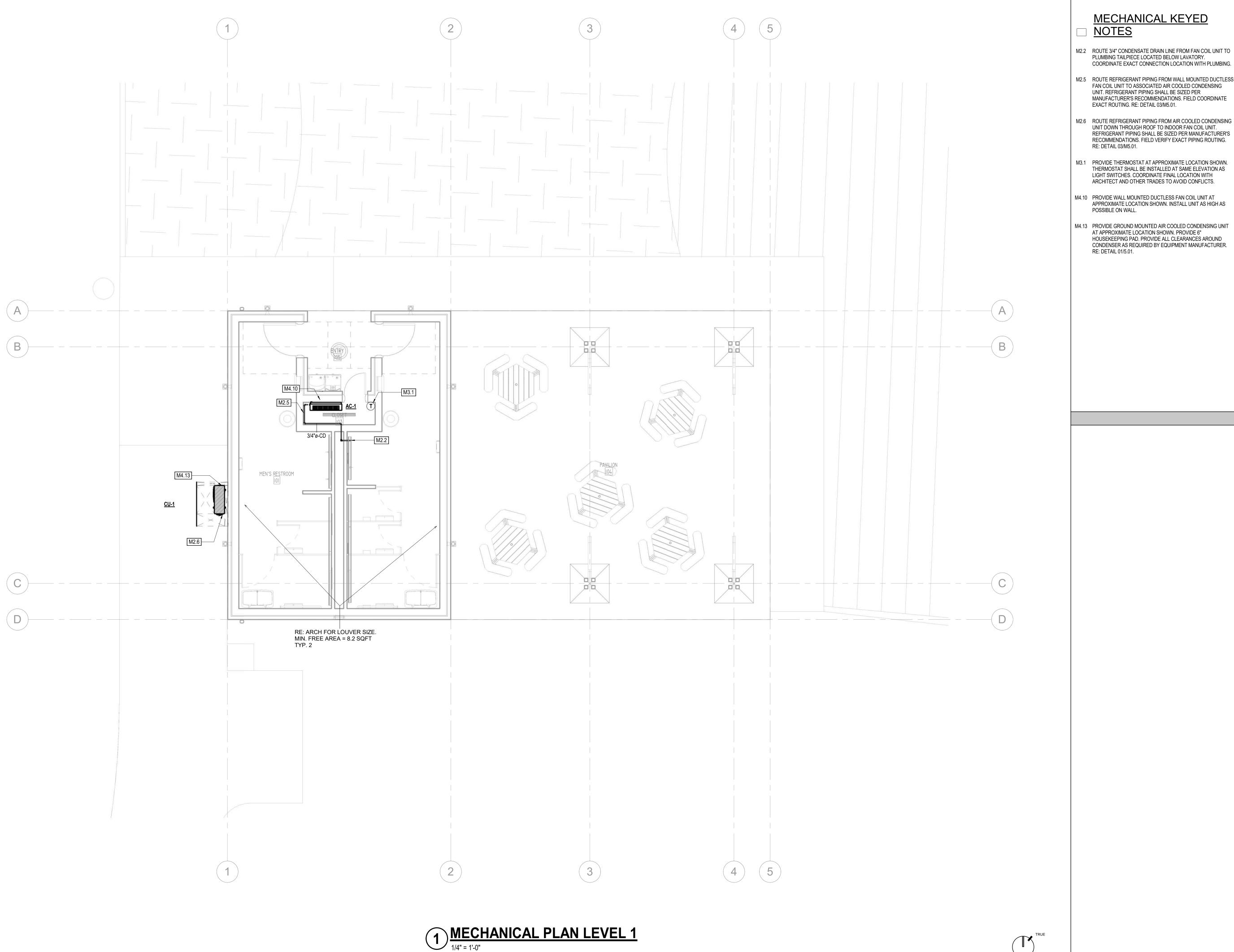


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ISSUANCES & REVISIONS

MECHANICAL GENERAL



MECHANICAL KEYED NOTES

M2.2 ROUTE 3/4" CONDENSATE DRAIN LINE FROM FAN COIL UNIT TO PLUMBING TAILPIECE LOCATED BELOW LAVATORY.

M2.5 ROUTE REFRIGERANT PIPING FROM WALL MOUNTED DUCTLESS FAN COIL UNIT TO ASSOCIATED AIR COOLED CONDENSING UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. FIELD COORDINATE EXACT ROUTING. RE: DETAIL 03/M5.01.

M2.6 ROUTE REFRIGERANT PIPING FROM AIR COOLED CONDENSING UNIT DOWN THROUGH ROOF TO INDOOR FAN COIL UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. FIELD VERIFY EXACT PIPING ROUTING. RE: DETAIL 03/M5.01.

M3.1 PROVIDE THERMOSTAT AT APPROXIMATE LOCATION SHOWN. THERMOSTAT SHALL BE INSTALLED AT SAME ELEVATION AS LIGHT SWITCHES. COORDINATE FINAL LOCATION WITH ARCHITECT AND OTHER TRADES TO AVOID CONFLICTS.

M4.10 PROVIDE WALL MOUNTED DUCTLESS FAN COIL UNIT AT APPROXIMATE LOCATION SHOWN. INSTALL UNIT AS HIGH AS POSSIBLE ON WALL.

M4.13 PROVIDE GROUND MOUNTED AIR COOLED CONDENSING UNIT AT APPROXIMATE LOCATION SHOWN. PROVIDE 6" HOUSEKEEPING PAD. PROVIDE ALL CLEARANCES AROUND CONDENSER AS REQUIRED BY EQUIPMENT MANUFACTURER. RE: DETAIL 01/5.01.

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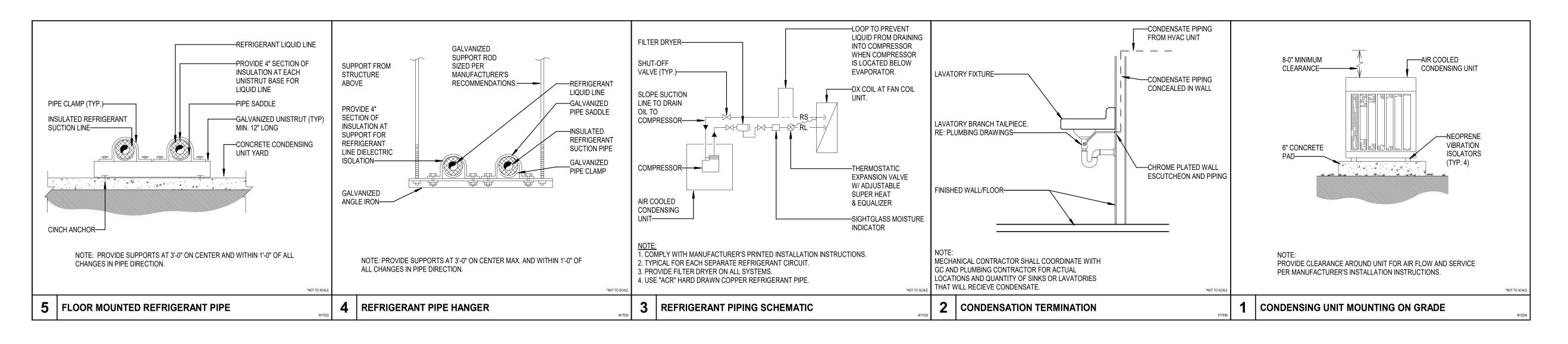


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MECHANICAL ENLARGED PLAN



OUTDOOR UNIT MARK	CU-01
SERVES	AC-01
GRAND TOTAL COOLING (BTUH)	12,000
AMBIENT TEMP. (°F)	105
STEPS OF CAPACITY	1
/OLTS/PHASE/HERTZ	208/1/60
SEER2	23
ИCA	13.9
ИОСР	20
REFRIGERANT TYPE	R32
MODEL NUMBER	PAS-12BUFASDQ1
JNIT WEIGHT (LBS)	98.8
NDOOR UNIT MARK	AC-01
SERVES	IT ROOM
UNIT TYPE	WALL MOUNTED
COOLING CAPACITY (BTUH)	12,000
/OLTS/PHASE/HERTZ	208/1/60
SUPPLY AIR CFM	580 / 545 / 475 / 410
MANUFACTURER	DAIKIN
IODEL NUMBER	PPK-B12UFA1DQ
NIT WEIGHT (LBS)	30.9
NOTES	ALL

NOTES:

- 1. INDOOR UNITS RECEIVE POWER FROM OUTDOOR UNITS THRU FIELD SUPPLIED..
- 2. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- 3. REFRIGERANT LINES TO BE SIZED BY MANUFACTURER. 4. PROVIDE UNIT WITH MANUFACTURER THERMOSTAT.

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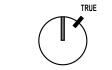


CEMETERY ROAD, TEXAS 77515

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MECHANICAL SCHEDULES & DETAILS

			(NC	OT ALL ITEMS MAY APPLY TO THIS PROJECT	Γ)	
	_	ABBREVIATIONS	1 _	SYME	1	
٨	AIR (COMPRESSED)	G GAS	Q QTY QUANTITY	PLUMBING SYSTEMS	PIPING FITTINGS	MISCELLANEOUS
AAV AC AD ADA AFF AFG ANSI ASPE ASSE AP ARCH ASME ASTM AUX AV AVTR AW	AIR (COMPRESSED) AIR ADMITTANCE VALVE AIR COMPRESSOR AIR DRYER AMERICANS WITH DISABILITIES ACT ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AMERICAN NATIONAL STANDARDS INSTITUTE AMERICAN SOCIETY OF PLUMBING ENGINEERS AMERICAN SOCIETY OF SANITARY ENGINEERING ACCESS PANEL ARCHITECT, ARCHITECTURAL AMERICAN SOCIETY OF MECHANICAL ENGINEERS AMERICAN SOCIETY FOR TESTING AND MATERIALS AUXILIARY ACID VENT ACID VENT THROUGH ROOF ACID WASTE	GA GAUGE GAL GALLON GALV GALVANIZED GC GENERAL CONTRACTOR GCO GRADE CLEANOUT GD GARBAGE DISPOSAL GI GREASE INTERCEPTOR GL GLOBE VALVE GPD GALLONS PER DAY GPF GALLONS PER FLUSH GPH GALLONS PER HOUR GPM GALLONS PER MINUTE GT GREASE TRAP GV GATE VALVE, GREASE VENT GW GREASE WASTE GWH GAS WATER HEATER	RCP REFLECTED CEILING PLAN, REINFORCED CONCRETE PIPE RD ROOF DRAIN RE REFERENCE, REFER RECIRC RECIRCULATE REFG REFRIGERATOR RH ROOF HYDRANT RM ROOM RO REVERSE OSMOSIS RPM REVOLUTIONS PER MINUTE RPZ REDUCED PRESSURE ZONE (BACKFLOW PREVENTER) RTU ROOFTOP UNIT RV RELIEF VALVE	— — — AV — — — ACID VENT — — — AV(E) — — — EXISTING ACID VENT PIPING - AV(E) — — — AW — — — ACID WASTE, BURIED — — — AW(E) — — — EXISTING ACID WASTE PIPING, BURIED - AW(E) — — AW(E) — — — EXISTING ACID WASTE PIPING, NOT BURIED - AW(E) — — — — CW(E) — — — EXISTING DOMESTIC COLD WATER - CW(E) — — — — — — — — — — — — — — — — — — —	CAP ON END OF PIPE PIPE UP OR PIPE UP AND DOWN PIPE DOWN VALVE IN DROP VALVE IN RISE DIRECTION OF FLOW DIRECTION OF SLOPE DOWN CONCENTRIC REDUCER ECCENTRIC REDUCER TEE UP TEE DOWN UNION	DRAIN(TYPE AND SIZE AS NOTED ON PLANS) ROOF DRAIN OR OVERFLOW DRAIN(FROM ABOVE) HOSE BIBB WALL HYDRANT PLUMBING FIXTURE EXISTING PLUMBING FIXTURE POINT OF NEW CONNECTION TO EXISTING PIPING
	В	Н	S	— — — — GW— — — — GREASE WASTE, BURIED — — — GW— — — GREASE WASTE, NOT BURIED	FLANGE STRAINER WITH BLOWDOWN VALVE	LIMIT OF DEMOLITION
B BF BFF BFG BFP BOF BOP BOS BRF BT BTU BV BWV	BOILER BOTTLE FILLER BELOW FINISH FLOOR BELOW FINISHED GRADE BACKFLOW PREVENTER BUTTERFLY VALVE BOTTOM OF FOOTING BOTTOM OF PIPE BOTTOM OF STRUCTURE BELOW RAISED FLOOR BATH TUB BRITISH THERMAL UNIT BALL VALVE BACK WATER VALVE C CELSIUS CATCH BASIN CONDENSATE DRAIN LINE	HB HOSE BIBB HC HANDICAPPED HD HEAD, HUB DRAIN HKP HOUSEKEEPING PAD HP HORSEPOWER HR HOSE REEL HSC HORIZONTAL SPLIT CASE HT HEIGHT HTR HEATER HW HOT WATER HWR HOT WATER RETURN HZ HERTZ IAPMO INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS ID INSIDE DIAMETER IE INVERT ELEVATION	SSD SUBSURFACE DRAIN STD STANDARD	HOT WATER - HW EXISTING DOMESTIC HOT WATER - HW(E) HOT WATER RECIRCULATION EXISTING DOMESTIC HOT WATER RETURN - HWR(E) LT LINT WASTE LP LIQUIFIED PETROLEUM GAS NATURAL GAS (LOW PRESSURE) NATURAL GAS (MEDIUM PRESSURE) MATURAL GAS (HIGH PRESSURE) NATURAL GAS (HIGH PRESSURE) NITROGEN NITROGEN	GATE VALVE GLOBE VALVE BALL VALVE BALANCING VALVE WITH DIFFERENTIAL PRESSURE TAPS OS&Y VALVE CHECK VALVE BUTTERFLY VALVE TWO-WAY MODULATING CONTROL VALVE THREE-WAY MODULATING CONTROL VALVE	PXX PLUMBING DRAWING NOTE REFERENCE DETAIL NUMBER OR PLAN SHEET WHERE DETAIL OR PLAN IS SHOWN FS FLOW SWITCH TAMPER SWITCH ACCESS PANEL (AP) FIRE DEPARTMENT CONNECTION(WALL MOUNTED) FIRE DEPARTMENT CONNECTION(FREE STANDING)
CI CIRC CISPI CFH CFM CFS CMU CL CO COL	CAST IRON CIRCULATING CAST IRON SOIL PIPE INSTITUTE CUBIC FEET PER HOUR CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CONCRETE MASONRY UNIT CENTERLINE CLEAN OUT COLUMN	IN INCH INSUL INSULATION IPC INTERNATIONAL PLUMBING CODE IPS IRON PIPE SIZE IW INDIRECT WASTE IWH INSTANTANEOUS WATER HEATER IWR INDIRECT WASTE RECEPTOR	STL STEEL STR STRAINER SV SANITARY VENT SW SOFT WATER	— — NP-CW — — — NON-POTABLE - COLD WATER — OD — OVERFLOW DRAIN, NOT BURIED X X X X X X X X PIPE, TO BE DEMOLISHED — — — — S(E) — — — EXISTING SANITARY DRAIN, BURIED - S(E)	SOLENOID VALVE PRESSURE REDUCING VALVE GAS REGULATOR GAS VALVE	PLUMBING RISER DIAGRAM NUMBER SHEET WHERE PLUMBING RISER DIAGRAM IS SHOWN PLUMBING CODES
CONC CONN CP CPVC CW CWP	CONCRETE, CONCENTRIC CONNECTION CIRCULATING PUMP, CHROME PLATE CHLORINATED POLYVINYL CHLORIDE COLD WATER COLD WORKING PRESSURE	JP JOCKEY PUMP KEC KITCHEN EQUIPMENT CONTRACTOR KVA KILOVOLT- AMPS KW KILOWATT L	TCO TRAFFIC CLEANOUT TD TRENCH DRAIN TDH TOTAL DYNAMIC HEAD TDL TOTAL DEVELOPED LENGTH TLT TOILET TMV THERMOSTATIC MIXING VALVE TOB TOP OF BEAM TOF TOP OF FOOTER TP TRAP PRIMER TPD TRAP PRIMER DEVICE	SANITARY DRAIN, NOT BURIED S(E) EXISTING SANITARY DRAIN PIPING, NOT BURIED - S(E) SW SOFT WATER STORM DRAIN, BURIED	SPRINKLER FLOOR CONTROL VALVE STATION MANUAL AIR VENT AUTOMATIC AIR VENT T&P RELIEF VALVE LINE CLEANOUT/ WALL CLEANOUT	2015 INTERNATIONAL PLUMBING CPDE
DBP DC DCVA DDCVA DF DFU DI DIA DIM DISC	DOMESTIC BOOSTER PUMP DOWNSPOUT COVER DOUBLE CHECK VALVE ASSEMBLY DOUBLE DETECTOR CHECK VALVE ASSEMBLY DRINKING FOUNTAIN DRAINAGE FIXTURE UNIT DEIONIZED DIAMETER DIMENSION DISCONNECT	L LAVATORY, LENGTH LAV LAVATORY LF LINEAR FEET LP LOW PRESSURE LPG LIQUEFIED PETROLEUM GAS LT LINT, LINT TRAP LVL LEVEL	TS TAMPER SWITCH TW TEMPERED WATER TYP TYPICAL	SD STORM DRAIN, NOT BURIED TW TEMPERED WATER TRAP PRIMER VENT STORM DRAIN, NOT BURIED TEMPERED WATER TRAP PRIMER VENT STORM DRAIN, NOT BURIED EXISTING VENT	FLOOR CLEANOUT GRADE CLEANOUT PRESSURE GAUGE WITH GAUGE COCK	
DN DS DW DWG DWV	DOWN, DOWNSPOUT NOZZLE DOWNSPOUT DISHWASHER DRAWING DRAINAGE WASTE AND VENT	MAX MAXIMUM MBTUH THOUSAND OF BTU'S PER HOUR MECH MECHANICAL MFR MANUFACTURER MH MANHOLE MIN MINIMUM MS MOP SINK MSB MOP SERVICE BASIN MTD MOUNTED	U URINAL UF UNDERFLOOR UG UNDERGROUND UH UNIT HEATER UL UL SOLUTIONS UNO UNLESS NOTED OTHERWISE UPC UNIFORM PLUMBING CODE	FS WET AUTOMATIC FIRE SPRINKLER	THERMOMETER FLOW VENTURI VACUUM BREAKER VACUUM RELIEF VALVE BACKFLOW PREVENTER	
ECC EDF EEW EL ES ESP ET ETR EWC EWH	ECCENTRIC ELECTRIC DRINKING FOUNTAIN EMERGENCY EYEWASH ELEVATION EMERGENCY SHOWER ELEVATOR SUMP PUMP EXPANSION TANK EXISTING TO REMAIN ELECTRIC WATER COOLER ELECTRIC WATER HEATER	N.C. NORMALLY CLOSED NFPA NATIONAL FIRE PROTECTION ASSOCIATION NIC NOT IN CONTRACT N.O. NORMALLY OPEN NPT NATIONAL PIPE THREAD NTS NOT TO SCALE	V VOLT, VENT VAC VACUUM VB VALVE BOX, VACUUM BREAKER VFD VARIABLE FREQUENCY DRIVE VP VACUUM PUMP VS VENT STACK VTR VENT THRU ROOF		CIRCULATING PUMP WATER METER/SUB-METER	
F FBO FCO FCV FD FDC FEC FH FHC FHR FHV FIXT FOG FLR FP FS FT FW	FARENHEIT, FIRE FURNISHED BY OTHERS FLOOR CLEAN OUT FLOOR CONTROL VALVE FLOOR DRAIN FIRE DEPARTMENT CONNECTION FIRE EXSTINGUISHER CABINET FIRE HYDRANT FIRE HOSE CABINET FIRE HOSE RACK FIRE HOSE VALVE FIXTURE FATS, OILS, AND GREASE FLOOR FIRE PUMP FLOW SWITCH, FIRE SPRINKLER FOOT, FEET FORCE WASTE, FILTER WATER	OC ON CENTER OD OUTSIDE DIAMETER, OVERFLOW DRAIN OS&Y OUTSIDE STEM AND YOKE OZ OUNCES PD PRESSURE DROP, PRESSURE DIFFERENTIAL PDI PLUMBING DRAINAGE INSTITUTE PH PHASE PIV POST INDICATOR VALVE PLBG PLUMBING POU POINT-OF-USE PP POLYPROPYLENE PPM PARTS PER MILLION PRV PRESSURE REDUCING VALVE PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PSIG POUNDS PER SQUARE INCH PSIG POLYVINYL CHLORIDE PVDF POLYVINYLIDENE FLUORIDE	W WATT, WASTE, WIDTH, WASHING MACHINE W/ WITH W/O WITHOUT WB WALL BOX WC WATER CLOSET, WATER COLUMN WCO WALL CLEANOUT WH WALL HYDRANT WHA WATER HAMMER ARRESTOR WM WATER METER WMB WASHING MACHINE BOX WOG WATER OIL AND GAS WP WEATHERPROOF WS WATER SOFTENER, WASTE STACK WSFU WATER SUPPLY FIXTURE UNIT WT WATERTIGHT, WEIGHT YCO YARD CLEANOUT YH YARD HYDRANT Z Z Z ZONE ZV ZONE VALVE			



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DESIGN | Designer

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CHECK | DBR

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PLUMBING SYMBOL LEGEND

FIXTURES NOTES

- 1. DO NOT ROUGH-IN UNDERGROUND PIPING OR ANY OTHER CONNECTIONS FOR FIXTURES FROM THE PLUMBING DRAWINGS. REFER TO LATEST ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONED LOCATIONS. COORDINATE ALL FIXTURE AND EQUIPMENT LOCATIONS AND CONNECTION REQUIREMENTS WITH THE LATEST ARCHITECTURAL DRAWINGS, SPECIFICATIONS,
- AND MANUFACTURER RECOMMENDATIONS PRIOR TO ANY ROUGH-INS. 2. CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS AND DIMENSIONS OF FINISHED FLOORS AND WALLS. TRUE ALL DRAINS, ROUGH-INS AND CARRIERS IN ACCORDANCE WITH THE

PROPOSED ELEVATIONS AND FINISHED SURFACES.

- 3. THE MOUNTING HEIGHT ELEVATION OF ALL WALL HUNG AND COUNTER MOUNTED FIXTURES SHALL BE COORDINATED WITH THE LATEST ARCHITECTURAL DRAWINGS PRIOR TO ANY ROUGH-
- 4. PROVIDE LABOR AND MATERIALS AS REQUIRED TO MAKE FINAL CONNECTIONS TO ALL PLUMBING FIXTURES, EQUIPMENT, AND RELATED ITEMS FURNISHED UNDER SEPARATE DIVISIONS. INSTALL ASSOCIATED TRIM AND COMPONENT ACCESSORIES FURNISHED UNDER SEPARATE DIVISIONS.
- 5. CONTRACTOR SHALL REFER TO SHOP DRAWINGS OF ACTUAL EQUIPMENT TO BE SUPPLIED FOR THE FINAL COORDINATION OF ALL ROUGH-INS BEFORE BEGINNING WORK.
- 6. ALL FIXTURE AND EQUIPMENT STUB-OUTS SHALL BE PROVIDED WITH A STOP VALVE. UNLESS SPECIFIED OTHERWISE, ALL FIXTURE STOPS SHALL BE SOLID BRASS, LOOSE KEY OPERATED, CHROME PLATED, AND FITTED TIGHT TO CHROME PLATED BRASS WALL ESCUTCHEON PLATES COMPLETE WITH SUPPLY RISERS OF TYPE 'L' TUBING, CHROME PLATED. MCGUIRE MANUFACTURING OR PRE-APPROVED EQUAL.
- 7. ALL EXPOSED FIXTURE P-TRAPS WITHIN THE BUILDING AND ABOVE FLOOR SHALL BE CHROME PLATED ADJUSTABLE, HEAVY CAST BRASS WITH CLEANOUT PLUG, SLIP NUTS, AND 17 GAUGE SEAMLESS TUBULAR BRASS DRAIN TO WALL WITH WALL FLANGE. MCGUIRE MANUFACTURING OR PRE-APPROVED EQUAL.
- 8. EACH FIXTURE TRAP SHALL HAVE A LIQUID SEAL OF NOT LESS THAN 2 INCHES AND NOT MORE THAN 4 INCHES, EXCEPT WHERE A DEEPER SEAL IS FOUND NECESSARY BY THE AUTHORITY HAVING JURISDICTION.
- 9. ALL ROUGH IN OPENINGS SHALL BE FITTED WITH CHROME PLATED SOLID RING TYPE ESCUTCHEON PLATES FITTED TIGHT TO THE PIPE AND FLUSH TO THE WALL.
- 10. ALL EXPOSED TAILPIECES, P-TRAPS, TRAP ARMS, ASSOCIATED HARDWARE AND ESCUTCHEONS SHALL BE CHROME PLATED.
- 11. ALL FIXTURES INDICATED AS OR REQUIRED TO BE HANDICAPPED ACCESSIBLE ("ADA" OR "TAS") SHALL BE PROVIDED IN APPROVED TYPES, WITH REQUIRED CONTROLS AND PROVIDED WITH THE REQUIRED HEIGHTS AND CLEARANCES. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONED MOUNTING HEIGHTS AND SPECIFIED CLEARANCE REQUIREMENTS.
- 12. ALL EXPOSED LAVATORY AND SINK PIPING FOR ACCESSIBLE FIXTURES SHALL BE INSULATED WITH APPROVED, MANUFACTURED MOLDED VINYL COVERS BY TRUEBRO OR APPROVED EQUAL. PROVIDE OFFSET DRAIN FITTINGS WHERE REQUIRED TO ENSURE REQUIRED MINIMUM CLEARANCES.
- 13. ALL ACCESSIBLE SINKS SHALL BE PROVIDED WITH DRAIN OUTLETS LOCATED ACCORDINGLY TOWARD THE REAR OF BASIN.
- 14. ENSURE TO ORIENT ALL ACCESSIBLE WATER CLOSET FLUSH OPERATORS ON THE "WIDE" SIDE OF THE FIXTURE ENCLOSURE.
- 15. SEAL ALL SPACES BETWEEN PLUMBING FIXTURES AND MOUNTING SURFACES WITH WHITE SILICONE CAULK WIPED SMOOTH AND FLUSH WITH FIXTURE.
- 16. FLOOR DRAINS SHALL BE INSTALLED AT LOW POINTS OF SLOPED FLOORS. CONTRACTOR SHALL FIELD COORDINATE WITH STRUCTURAL TO WITH INTENDED ARCHITECTURAL FLOOR FINISHES TO ENSURE THAT DRAINS ARE LOCATED ACCORDINGLY.
- 17. PROVIDE A COMPATIBLE WATER FILTER AT EACH ICE MAKING MACHINE.
- 18. ALL SINKS AND URINALS SHALL BE PROVIDED WITH WALL CLEANOUTS.
- 19. SHOCK ARRESTORS SHALL CONFORM WITH THE REQUIREMENTS OF ASSE 1010 AND SHALL BE SIZED AND LOCATED PER THE PLUMBING AND DRAINAGE INSTITUTE STANDARD WH-201. PROVIDE ACCESS PANELS SIZED ACCORDINGLY TO ENSURE MAINTENANCE AND REPLACEMENT ACCESS TO ALL SHOCK ARRESTORS. FINAL LOCATIONS AND SIZES OF REQUIRED ACCESS PANELS SHALL BE REVIEWED FOR APPROVAL BY THE ARCHITECT PRIOR TO INSTALLATION.

ROOF PLAN NOTES

- 1. ALL PRIMARY AND OVERFLOW ROOF DRAIN AND STORM PIPE SIZING IS BASED ON A RAINFALL RATE OF EIGHT (8) INCHES PER HOUR.
- 2. UNLESS NOTED OTHERWISE, THE ROOF EDGE IS TO PROVIDE A MEANS OF RAINWATER OVERFLOW IN AREAS WHERE NO OVERFLOW DRAINS ARE INDICATED.
- 3. UNLESS NOTED OTHERWISE, ROOF AREAS WITH NO ROOF DRAINS SHOWN ARE TO SHEET FLOW TO AND DRAIN VIA THE BUILDING EDGE. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF CONSTRUCTION AND FOR ANY DETAILS REGARDING GUTTERS AND/OR DOWNSPOUTS.
- 4. IF VENT TERMINAL LOCATIONS ARE NOT SHOWN ON THIS DRAWING, REFER TO INDIVIDUAL FLOOR PLANS AND COORDINATE ACCORDINGLY.
- 5. ALL VENT TERMINALS SHALL BE LOCATED NO LESS THAN FIFTEEN (15) FEET AWAY FROM ANY OPENABLE WINDOW, DOOR, OPENING, OUTSIDE AIR INTAKE, OR SUPPLY AIR FAN. IF LOCAL CODE OR FACILITY LICENSING REQUIREMENTS CALL FOR GREATER SEPARATION, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.
- 6. PROVIDE ENGINEERED SUPPORTS FOR ALL ROOFTOP GAS PIPING. PROVIDE NECESSARY OFFSETS AND SUPPORTS TO ENSURE THAT NO PIPING RESTS DIRECTLY UPON COPING OR BUILDING EXPANSION JOINTS. PROVIDE SUPPORTS TO SECURELY FASTEN OUTDOOR VERTICAL PIPING TO FACES OF EXTERIOR WALLS. COORDINATE IN FIELD AND MAKE ADJUSTMENTS AS REQUIRED TO PREVENT VISIBILITY OF SUCH PIPING FROM ANY ADJACENT WINDOWS OR OTHER GLAZING.
- 7. PROVIDE BENDS, LOOPS, AND/OR OFFSETS FOR THERMAL EXPANSION AND CONTRACTION OF ROOFTOP GAS PIPING IN ACCORDANCE WITH NFPA 54.
- 8. ALL VERTICAL STORM CONDUCTORS WITHIN THE BUILDING SHALL BE LOCATED AND ROUTED CONCEALED FROM PUBLIC VIEW WITHIN CHASES/FURR-OUTS PROVIDED. REFER TO LATEST ARCHITECTURAL DRAWINGS. COORDINATE IN FIELD AND MAKE ADJUSTMENTS AS REQUIRED.

SITE UTILITY NOTES

- 1. REFER TO CIVIL DRAWINGS FOR CONTINUATION OF DOMESTIC WATER, STORM, AND SANITARY WASTE
- 2. REFER TO CIVIL DRAWINGS FOR LOCATION(S) OF WATER METER(S).
- 3. REFER TO CIVIL DRAWINGS FOR BUILDING FINISHED FLOOR ELEVATION(S)
- 4. ALL INVERT ELEVATIONS INDICATED ARE RELATIVE TO THE FINISHED FLOOR ELEVATION OF THE BUILDING SLAB AT THEIR RESPECTIVE LOCATIONS, UNLESS SPECIFICALLY NOTED OTHERWISE.
- 5. INVERT ELEVATIONS LISTED ARE APPROXIMATE. PRIOR TO CONSTRUCTION, COORDINATE FINAL INVERT ELEVATIONS OF GRAVITY OUTFALLS WITH SITE UTILITY CONTRACTOR. MAKE ADJUSTMENTS AS REQUIRED TO ENSURE PROPER CONNECTIONS TO AVAILABLE SITE UTILITIES.
- 6. ROLL-DOWN AS NECESSARY AND PROVIDE PIPE, FITTINGS, AND ADAPTERS AS REQUIRED TO MAKE PROPER CONNECTIONS TO SITE UTILITY LINES.
- 7. PROVIDE SCHEDULE 40 SOLID WALL PVC SLEEVES FOR ALL INCOMING GAS SERVICE PIPING TO BE ROUTED BELOW CONCRETE, ASPHALT, OR PAVING. SLEEVES SHALL BE NO SMALLER THAN TWO TIMES THE DIAMETER OF THE GAS PIPING TO BE SERVED. PROVIDE 4'-0" X 4'-0" TEMPORARY LEAVE-OUTS IN THE PAVING AT ALL CHANGES IN DIRECTION ALONG THE ROUTE OF THE SLEEVING. ENSURE ALL SLEEVES ARE MAINTAINED FREE FROM DIRT AND DEBRIS, CAPPED AT BOTH ENDS, AND CLEARLY LABELED. FILL LEAVE-OUTS TO MATCH FINISHED CONDITIONS. THESE GENERAL GUIDELINES SHALL NOT SUPERCEDE THE LOCAL GAS PROVIDER'S REQUIREMENTS, WHICH SHALL GOVERN THE INSTALLATION OF ALL SLEEVING.
- 8. FIELD COORDINATE/CONFIRM THE ROUTING AND INSTALLATION OF GAS SERVICE PIPING WITH THE LOCAL UTILITY PROVIDER PRIOR TO ANY SITE PAVING WORK. MAKE ADJUSTMENTS AS REQUIRED.

GENERAL WORK NOTES

- 1. ALL WORK, METHODS, AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE
- 2. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS, ELEVATIONS, DIRECTION OF FLOW, PIPE SIZES & CAPACITIES, AND PIPE MATERIAL & CONDITION AT PROPOSED POINTS OF CONNECTION WITH EXISTING BUILDING PLUMBING LINES AND SITE CIVIL LINES PRIOR TO INSTALLATION OF ANY NEW WORK. MODIFY/REPLACE EXISTING PIPING IF AND AS REQUIRED TO ENSURE PROPER CONNECTIONS. ONLY CONNECT NEW LINES TO
- 3. COORDINATE ROUTING OF BURIED PIPING WITH COLUMN FOOTINGS, GRADE BEAMS, UNDERGROUND UTILITIES, AND ALL OTHER SUB-SURFACE BUILDING ELEMENTS. MAKE ADJUSTMENTS AS REQUIRED AND ADVISE
- 4. CONTRACTOR SHALL COORDINATE WITH STRUCTURAL CONDITIONS AND PROVIDE PROPER PIPING BE REQUIRED, THE CONTRACTOR SHALL FIRST RECEIVE WRITTEN APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER AND PROVIDE ALL SUCH WORK ACCORDINGLY.
- 5. COORDINATE IN FIELD TO ENSURE NO LESS THAN 6 INCHES OF EARTHEN COVER FROM TOPS OF DRAINAGE PIPES TO BOTTOMS OF GRADE BEAMS, FOUNDATION WALLS, OR SIMILAR ELEMENTS. WHERE SUCH COVER CANNOT BE PROVIDED DUE TO INVERT ELEVATIONS. PROVIDE SCHEDULE 40 GALVANIZED STEEL PIPE SLEEVES THROUGH THE FOUNDATION ELEMENTS. SLEEVES SHALL BE NO SMALLER THAN TWO PIPE SIZES LARGER THAN THE PIPE SERVED. SEAL WATERTIGHT. COORDINATE WITH AND ADHERE TO ALL RELATED REQUIREMENTS PER
- 6. CONTRACTOR SHALL FIELD COORDINATE LOCATIONS AND ELEVATIONS OF ALL PLUMBING PIPING WITH OTHER TRADES PRIOR TO INSTALLATION. WHERE RELOCATIONS OF NEW WORK ARE REQUIRED TO CORRECT CONFLICTS WITH OTHER TRADES IT SHALL BE DONE AT NO ADDITIONAL COST TO OWNER.
- 7. ALL PIPE PASSING THROUGH FIRE RATED WALLS AND FLOORS SHALL BE SUPPORTED AT THE PENETRATION AND SHALL BE SEALED WITH APPROVED FIRE STOP MATERIALS AS SPECIFIED AND AS REQUIRED BY CODE AND THE AUTHORITIES HAVING JURISDICTION.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING ALL PLUMBING PIPING SLEEVE LOCATIONS WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF ANY PIPING OR SUPPORTS.
- A. IN ACCORDANCE WITH THE UPC: GRAVITY DRAINAGE PIPING 3" AND SMALLER SHALL BE PROVIDED AT NO LESS THAN 1/4 INCH PER FOOT UNIFORM SLOPE AND GRAVITY DRAINAGE PIPING 4" AND LARGER SHALL BE PROVIDED AT NO LESS THAN 1/8 INCH PER FOOT UNIFORM SLOPE.
- LESS THAN 1/4 INCH PER FOOT UNIFORM SLOPE AND GRAVITY DRAINAGE PIPING 3" AND LARGER SHALL BE PROVIDED AT NO LESS THAN 1/8 INCH PER FOOT UNIFORM SLOPE.
- C. WHERE THE PREVAILING CODE REQUIRES A STEEPER SLOPE THAN INDICATED ABOVE (SUCH AS FOR
- 10. SLOPE ALL VENT PIPE BACK FROM THE VENT TERMINAL AT A MINIMUM 6" PER 100 FEET OF RUN.
- 11. THE DISCHARGE LINE FROM ANY EJECTOR OR PUMP WHICH CONNECTS TO A HORIZONTAL GRAVITY DRAINAGE
- WITH PLUMBING CODE REQUIREMENTS.
- 14. PROVIDE BRACING TO PREVENT AXIAL MOVEMENT FOR ALL DRAINAGE PIPING. PROVIDE RESTRAINTS AT ALL CHANGES IN DIRECTION AND AT ALL DIAMETER CHANGES GREATER THAN TWO PIPE SIZES. SPECIFICALLY ENGINEERED BRACES, STRAPS, AND CLAMPS CONSISTENT WITH THE PIPE AND COUPLING MANUFACTURER RECOMMENDATIONS, THE APPLICABLE INSTALLATION STANDARDS, AND LOCAL CODE REQUIREMENTS SHALL BE ACCEPTABLE. HOLDRITE OR PRE-APPROVED EQUIVALENT PRODUCTS.
- 15. PROVIDE ISOLATING BALL VALVES FOR ALL BRANCHES OFF DOMESTIC WATER MAINS. ALL PLUMBING SYSTEM VALVES SHALL BE INSTALLED IN ACCESSIBLE CEILING SPACES. WHERE CEILING IS NOT ACCESSIBLE, OR SPACE IS CONFLICTING, VALVES SHALL BE INSTALLED IN PARTITIONS OR PIPE CHASES. PROVIDE MILCOR STYLE 'K' PAINTED STEEL HINGED ACCESS PANELS IN LOCATIONS PRE-APPROVED BY THE ARCHITECT.
- 16. ALL HOT WATER AND HOT WATER CIRCULATING PIPING SHALL BE PROVIDED WITH FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND SELF SEALING LAP JOINT AS FOLLOWS:
- B. 1-1/2" THICK INSULATION FOR PIPE SIZES 1-1/2" AND LARGER.
- 18. CONTRACTOR SHALL STERILIZE ALL DOMESTIC WATER PIPING ACCORDING TO AMERICAN WATER WORKS
- 19. ALL CAST IRON PIPE, FITTINGS AND INSTALLATION SHALL COMPLY WITH THE CAST IRON SOIL PIPE INSTITUTE
- 20. FLASH FLOOR DRAINS IN FLOORS WITH TOPPING OVER FINISHED AREAS WITH 40 MIL PVC MEMBRANE. 10 INCHES CLEAR ON SIDES WITH MINIMUM 36 X 36 INCH SHEET SIZE. FASTEN WATERPROOFING MEMBRANE
- 22. COORDINATE ALL WORK WITH THE WORK OF OTHER TRADES TO AVOID CONFLICTS AND ALSO TO MINIMIZE
- 23. THE PROPER INSTALLATION OF NEW FIXTURES AND THE PROPER CONTINUED OPERATION OF EXISTING
- ANY NECESSARY SHUT DOWN OF THE DOMESTIC WATER OR ANY OTHER SERVICE. ANY SUCH SHUT DOWN SHALL BE AT A TIME AND FOR A DURATION SATISFACTORY TO THE OWNER, WHO SHALL MAKE THE FINAL DETERMINATION AS TO ITS ACCEPTABILITY.
- 25. RENOVATIONS SITE INSPECTIONS: CONTRACTOR SHALL VISIT THE SITE OF WORK PRIOR TO SUBMITTING A BID AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND EXACT NATURE OF WORK. SUBMISSION OF A BID ACKNOWLEDGES FULL RESPONSIBILITY FOR FURNISHING A COMPLETE AND FUNCTIONAL SYSTEM. NO CHANGES IN THE CONTRACT WILL BE MADE TO ACCOMMODATE OR ALLOW EXTRA FUNDS FOR ANY OMISSION WHICH RESULTS FROM FAILURE TO MAKE SUCH A THOROUGH EXAMINATION. NOTE THAT FOR GRAPHICAL CLARITY, ALL EXISTING PIPING TO REMAIN OR BE ABANDONED IN PLACE MAY NOT BE SHOWN ON THE FLOOR PLANS.

- WITH THE PREVAILING CODE AND INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION.
- SUITABLE EXISTING LINES OF EQUAL OR GREATER SIZE.
- ARCHITECT/ENGINEER OF ANY GRADING CONFLICTS PRIOR TO COMMENCING INSTALLATION.
- INSTALLATIONS AS REQUIRED WITHOUT DAMAGE TO STRUCTURE. WHERE STRUCTURAL MODIFICATIONS WILL

- 9. HORIZONTAL GRAVITY DRAINAGE PIPING SHALL BE PROVIDED AT NO LESS THAN THE MINIMUM SLOPE AS REQUIRED BY THE PREVAILING PLUMBING CODE.
- B. IN ACCORDANCE WITH THE IPC: GRAVITY DRAINAGE PIPING 2-1/2" AND SMALLER SHALL BE PROVIDED AT NO
- GREASE WASTE PIPING) THEN SUCH REQUIREMENT SHALL CONTROL.
- LINE SHALL BE FROM THE TOP, THROUGH A WYE BRANCH FITTING.
- 12. PROVIDE FITTINGS FOR DRAINAGE WASTE AND VENT (DWV) AND STORM PIPING SYSTEMS OF APPROVED DRAINAGE PATTERN AND LONG OR SHORT RADIUS TYPES AS REQUIRED AND APPROVED FOR USE IN COMPLIANCE WITH PLUMBING CODE REQUIREMENTS.
- 13. PROVIDE CLEANOUTS AT EACH CHANGE OF DRAINLINE DIRECTION GREATER THAN 45° AND IN COMPLIANCE

- A. 1" THICK INSULATION FOR PIPE SIZES 1-1/4" AND SMALLER.
- 17. INSTALL EACH WATER HEATER AND ALL OTHER PLUMBING EQUIPMENT WITH ADEQUATE CLEARANCES FOR ACCESS BY SERVICE PERSONNEL AND WITH PROPER ORIENTATION FOR ELEMENT REMOVAL/REPLACEMENT.
- ASSOCIATION (AWWA) SPECIFICATIONS.
- (CISPI) STANDARDS.
- FLASHING TO DRAIN CLAMPING DEVICE.
- 21. NO PLUMBING PIPING SHALL BE ROUTED OVER MAJOR MECHANICAL EQUIPMENT, MDF/IDF/DATA CLOSETS, ELECTRICAL ROOMS, OR ANY SUCH EQUIPMENT.
- INTERRUPTION OF SERVICES FOR RENOVATIONS.
- BUILDING FIXTURES TO REMAIN (FOR RENOVATIONS) SHALL GOVERN THE EXTENT AND NATURE OF WORK. 24. FOR RENOVATIONS THE CONTRACTOR SHALL MAKE ARRANGEMENTS IN ADVANCE WITH THE OWNER PRIOR TO

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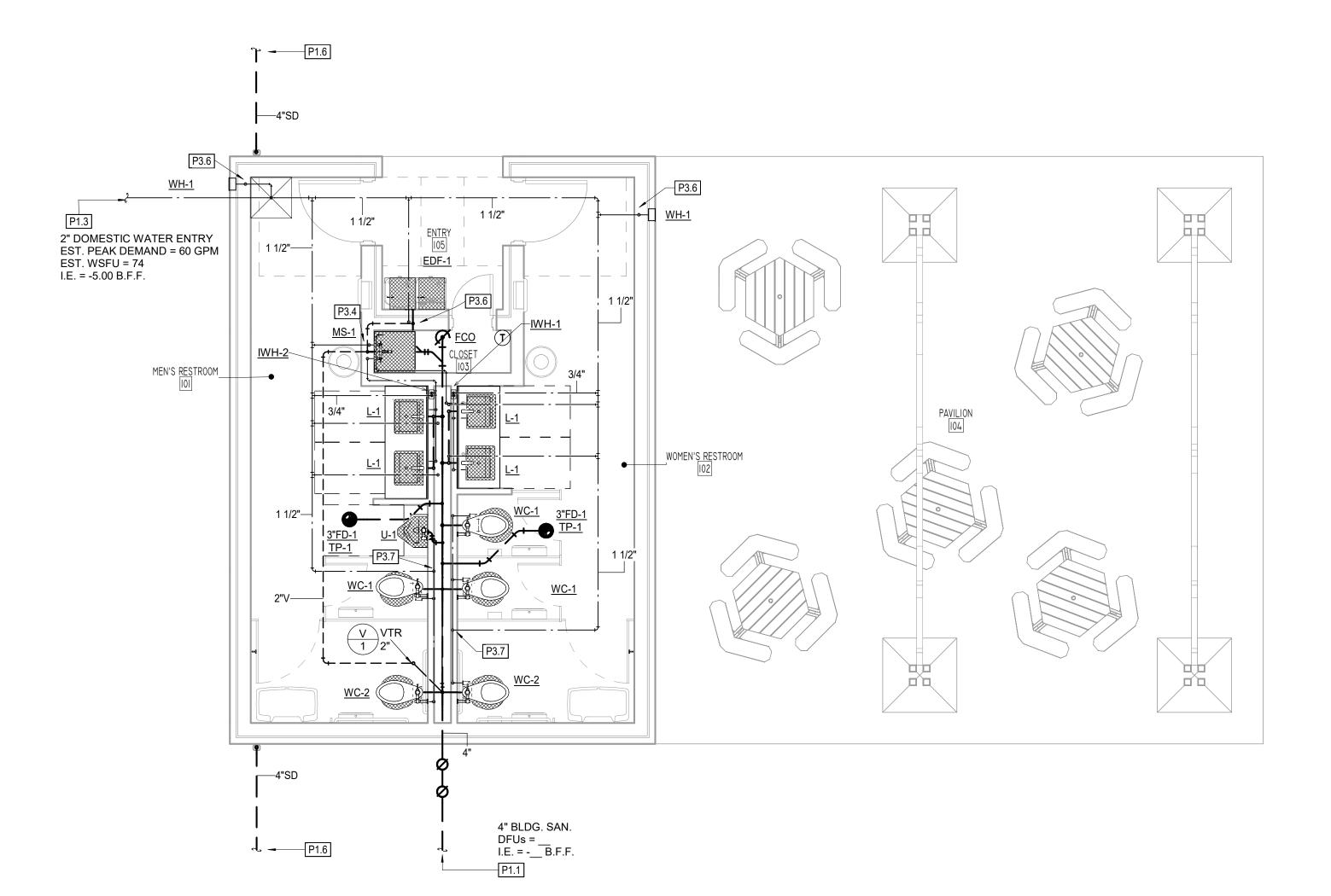
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PLUMBING GENERAL NOTES



1 PLUMBING PLAN LEVEL 1

1/4" = 1'-0"



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PLUMBING KEYED **NOTES**

P1.1 SANITARY BUILDING DRAIN, SIZE AS NOTED, REFER TO CIVIL UTILITY DRAWINGS FOR CONTINUATION BEYOND 5' OF THE BUILDING LINE.

P1.3 DOMESTIC WATER SERVICE, SIZE AND PEAK FLOW RATE AS

P1.6 STORM, SIZE AND DEPTH AS NOTED.

P3.4 DROP AND EXTEND 3/4" HOT AND COLD WATER TO SERVE FIXTURE(S).

P3.6 DROP AND EXTEND 3/4" COLD WATER TO SERVE FIXTURE(S).

P3.7 DROP AND EXTEND MINIMUM 1-1/2" COLD WATER TO SERVE FIXTURE.

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PLUMBING ENLARGED PLAN

	1				DING FI	XTURE SCHEDULE
PLAN MARK			M ROUGH-			DESCRIPTION
		& VENT	DRAIN	CW	HW	
WATER CLOSET WC-1	4"	2"	4"	1-1/2"		TOTO MODEL: CT705ULN(G) WHITE V.C. ELONGATED SIPHON JET FLOOR MOUNT (1.0 GPF) BOWL WITH TOP SPUD
FLOOR MOUNT						
FLUSH VALVE						TOTO MODEL No. TET1LAR ECOPOWER HIGH-EFFICIENCY TOILET FLUSH VALVE (1.28 GPF).
ACCESSORIES						GEMLINE GL212SSCWH ELONGATED, HEAVY-DUTY, WHITE, OPEN FRONT TOILET SEAT, LESS COVER WITH SELF-SUSTAINING STAINLESS STEEL CHECK HINGE. PROVIDE TOTO VB032A#CP VACUUM BREAKER SET. PROVIDE ZURN OR EQUAL FLOOR MOUNTED CARRIER. FOR FULL DESCRIPTION REFER TO PROJECT SPECIFICATIONS. REFER TO ARCHITECTS PLANS FOR ADA MOUNTING HEIGHT.
WATER CLOSET WC-2 ADA	4"	2"	4"	1-1/2"		TOTO FLOOR-MOUNTED TOILET WITH FLUSH VALVE (TET1LAR#CP) SAME AS ABOVE EXCPET WITH TRIM AS REQUIRED FOR ADA USE AND VACUUM BREAKER KIT (VB0932A#CP).
URINAL U-1 ADA	2"	2"	2"	3/4"		TOTO MODEL No. UT445U(V) 0.125 GPF HIGH-EFFICIENCY WASHOUT URINAL FIXTURE (0.125 GPF) WITH WALL HANGERS, MOUNTING BRACKET, S.S. STRAINER 047068-0070A, TOP SPUD
FLUSH VALVE	-+					TOTO MODEL No. TEU1UA12#CP ECOPOWER ULTRA HIGH-EFFICIENCY URINAL FLUSH VALVE (0.125 GPF).
ACCESSORIES						ZURN OR EQUAL FLOOR MOUNTED CARRIER AND TOTO VACUUM BREAKER (VB0912#CP). FOR FULL DESCRIPTION REFER TO PROJECT SPECIFICATIONS, REFER TO ARCHITECTS PLANS FOR MOUNTING HEIGHT.
LAVATORY L-1 DROP IN - ADA	2"	2"	1-1/4"	3/4"	3/4"	AMERICAN STANDARD MODEL No. 0315.000 "BOXE" UNDERCOUNTER SINK WITH RECTANGULAR INTERIOR AND FLAT BOTTOM DESIGN BOWL AND FRONT OVERFLOW.
				1/2"T	W (90°)	
FAUCET						SLOAN MODEL No. ETF-80 OPTIMA SENSOR FAUCET (1.5 GPM). HARD-WIRED POWERED DECK MOUNTED MODE BODY FAUCET.
ELECTRIC DRINKING FOUNTAIN EDF-1 ADA	2"	2"	1-1/4"	1/2"		ELKAY No. VRCTLR8WSK WALL MOUNTED BI-LEVEL COOLER, NON-FILTERED, WATER BOTTLE FILLING STATION, REFRIGERATED. PROVIDE ZURN OR EQUAL FLOOR MOUNTED PLATE TYPE CARRIER AND TRAP AND SUPPLY AS NOTED BELOW. PROVIDE WITH ALL STAINLESS STEEL CABINET. PROVIDE 3 REPLACEMENT FILTERS (ELKAY MODEL NO. VRCMWS)
ELECTRICAL REQUIREMENTS						1/5 HP, 4.0 FL. AMPS. WIRED FOR POWER AS SCHEDULED ON ELECTRICAL DRAWINGS.
ACCESSORIES						REFER TO PLUMBING SUPPLY AND TRIM SCHEDULE. PROVIDE ZURN OR EQUAL FLOOR MOUNTED CONCEALED ARM CARRIER, REFER TO ARCHITECTS PLANS FOR MOUNTING HEIGHTS.
THERMOSTATIC MIXING VALVE				1/2"	1/2"	POWERS MODEL: 270-LF ADJUSTABLE POINT-OF-USE LEAD FREE THERMOSTATIC MIXING VALVE, ASSE 1070 WITH INLET CHECK STOPS TO LIMIT HOT WATER TEMPERATURE. SET
FLOOR DRAIN FD-1	3"	2"	3"			ZURN No. ZN-415 CAST IRON DRAIN WITH 6" DIAMETER TYPE 'B' STRAINER AND 1/2" IPS TRAF PRIMER CONNECTION. FOR FLOOR DRAIN BODY POURED IN CONCRETE SLAB PROVIDE
TRAP PRIMER TP-1				1/2"		SLOAN No. VBF-72-A1 FLUSH VALVE VACUUM BREAKER TRAP REFILL SUPPLY. AFFIX UNIT TO WATER CLOSET NEAREST TO THE FLOOR DRAIN SUPPLIED. ALL EXPOSED TO BE CHROME
MOP SINK MS-1	3"	2"		3/4"	3/4"	STERN WILLIAMS No. MTB-2424 MOP BRACKET, STERN WILLIAMS No. T-35 BRACKET AND HOSE.
FAUCET	-	+	+		 	AMERICAN STANDARD MODEL No. 8354112.004 WALL MOUNTED SERVICE SINK FAUCET.
ACCESSORIES	-	+				MOP BRACKET AND HOSE WITH S.S. CAPS AND SPLASH CATCHER PANELS.

* - REFER	TO DRAWINGS FOR SIZING
GENERAL	NOTES:

1. FOR ALL SUPPLY STOPS AND TRIM REFER TO THE PLUMBING FIXTURE SUPPLIES AND TRIM SCHEDULE.

2. FOR MOUNTING HEIGHTS OF INDIVIDUAL FIXTURES, REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
3. CONTRACTOR TO COORDINATE LOCATION OF DRAINS AND FLOOR SINKS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.

PLUMBING FIXTURE SUPPLIES AND TRIM						
FIXTURE	MANUFACTURER	STRAINER	P-TRAP	SIZE	ANGLE STOP AND SUPPLY RISER	
LAVATORY	McGUIRE	HD155A	8872	1-1/4"	LFBV2165-LK, 1/2" I.P.S. X 3/8" O.D.	
DRINKING FOUNTAIN	McGUIRE	HD155A	8872	1-1/4"	LFBV2165-LK, 1/2" I.P.S. X 3/8" O.D.	
SINK	McGUIRE	152N	8912	1-1/2"	LFBV2165-LK, 1/2" I.P.S. X 3/8" O.D.	
2 COMPARTMENT SINK, NO DISPENSER	McGUIRE	(2) 152N WITH CONTINUOUS WASTE 111C16G17	8912	1-1/2"	LFBV2165-LK, 1/2" I.P.S. X 3/8" O.D.	

- STRAINERS SHALL BE HEAVY CAST BRASS CHROME PLATED WITH MATCHING GRID TYPE STRAINER, WITH OR WITHOUT OVERFLOW AS REQUIRED. 17 GAUGE SEAMLESS BRASS TAILPIECE OF LENGTH DETERMINED BY INSTALLATION REQUIREMENTS. PROVIDE COMPLETE WITH WASHERS AND BRASS LOCKNUT.
- 2. P-TRAPS SHALL BE 17 GAUGE SEAMLESS CHROME-PLATED BRASS, ADJUSTABLE TYPE. PROVIDE COMPLETE WITH CLEANOUT PLUG, CHROME-PLATED BRASS SLIP NUTS, WALL BEND, AND WROUGHT BRASS ESCUTCHEON OF DEPTH DETERMINED BY INSTALLATION REQUIREMENTS.
- 3. ANGLE STOPS SHALL BE LEAD-FREE COMMERCIAL PATTERN CHROME-PLATED BRASS, QUARTER-TURN BALL TYPE WITH LOOSE KEY HANDLES. PROVIDE COMPLETE WITH CHROME-PLATED COPPER SUPPLY RISERS AND WROUGHT BRASS ESCUTCHEON OF DEPTH DETERMINED BY INSTALLATION REQUIREMENTS.
- 4. PIPE TRIM INSULATION SHALL BE COMPLIANT, WHITE MOLDED VINYL, FADE/DISCOLORATION-RESISTANT, BACTERIA/FUNGAL-RESISTANT INSULATION. 5. PROVIDE ZURN OR EQUAL FLOOR MOUNTED CARRIER.

								ELECTRICAL REQUIREMENTS				
PLAN MARK	MANUFACTURER	MODEL#	TYPE	FUEL	CW INLET	HW OUTLET	FLOW RATE (GAL/MIN)	TEMP RISE (deg F)	VOLTS (V)	PHASE	kW	AMPS
NSTANTANEOUS WATER HEATER WH-1	EEMAX	AM004277T	INSTANTANEOUS	ELECTRIC	3/4"	3/4"	0.50	19	277	1	4.1	14.8
INSTANTANEOUS WATER HEATER IWH-2	EEMAX	AM004277T	INSTANTANEOUS	ELECTRIC	3/4"	3/4"	0.50	19	277	1	4.1	14.8

1. THERMOSTATIC TEMPERATURE CONTROL (ASSE 1070)

2. WIRED FOR POWER AS SCHEDULED ON ELECTRICAL DRAWINGS, VERIFY WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.

3. COORDINATE LOCATION OF WATER HEATER WITH ARCHITECTURAL CABINETRY PRIOR TO INSTALLATION.

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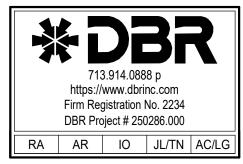
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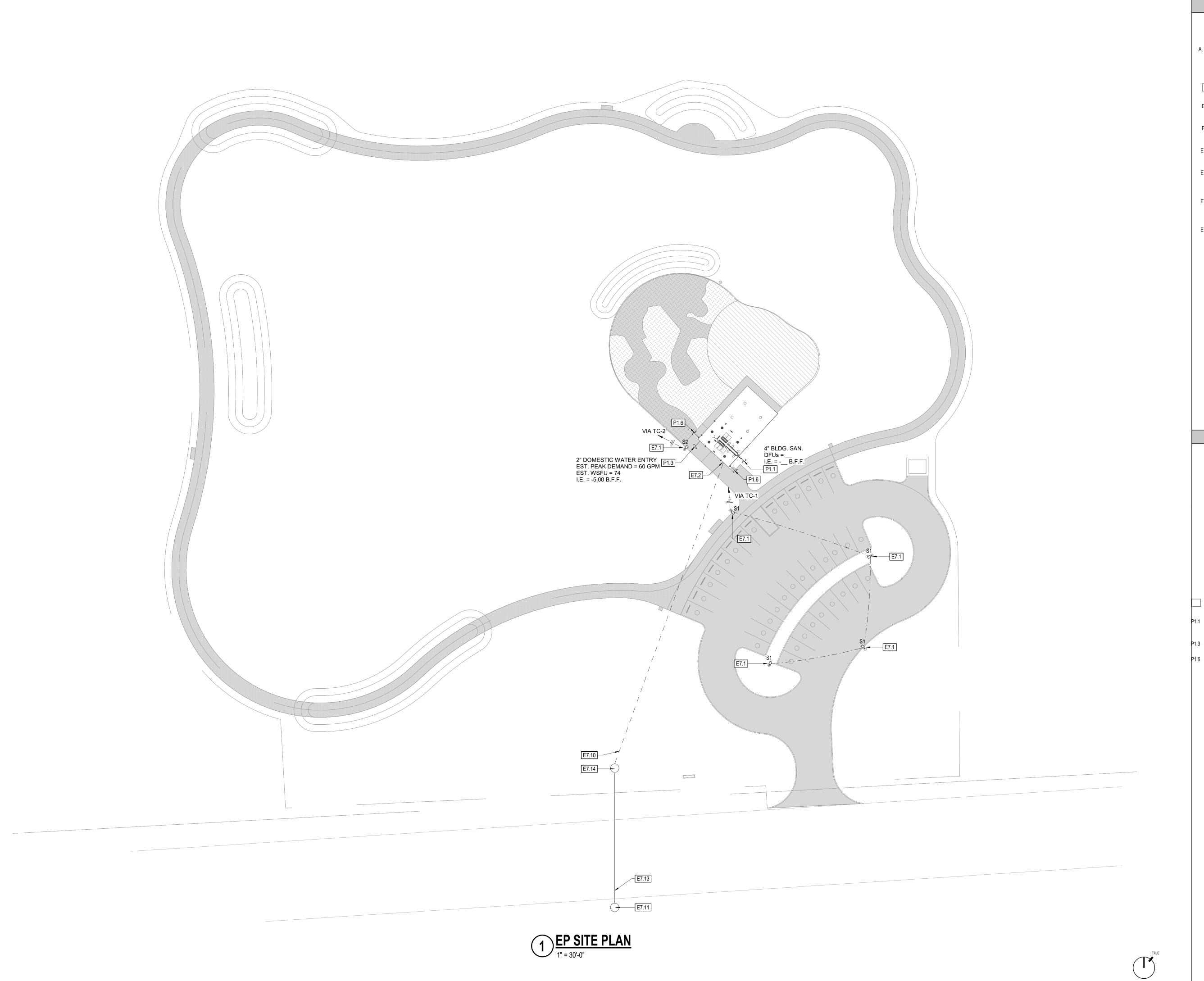
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PLUMBING SCHEDULES







GENERAL ELECTRICAL NOTES:

A. REFER TO SHEET E0.11 FOR ALL GENERAL ELECTRICAL NOTES.

ELECTRICAL KEYED **NOTES**

- E7.1 COORDINATE ALL LOCATIONS WITH CIVIL SITE UTILITIES PRIOR TO ROUGH-IN.
- E7.2 PROPOSED LOCATION FOR CT CABINET, METER CAN, AND SERVICE ENTRANCE DISCONNECT.
- E7.10 PROPOSED ROUTING OF NEW UNDERGROUND SECONDARY DUCTBANK.
- E7.11 PROPOSED LOCATION OF NEW POWER POLE BY UTILITY.
 EXACT POLE LOCATIONS AND ROUTING TO BE DETERMINED BY
- E7.13 PROPOSED ROUTING OF NEW UTILITY COMPANY OVERHEAD LINES. EXACT POLE LOCATIONS AND ROUTING TO BE DETERMINED BY UTILITY.
- E7.14 PROPOSED LOCATION OF POWER COMPANY POLE MOUNTED TRANSFORMERS. PROVIDE PER UTILITY SERVICE STANDARDS.

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PLUMBING KEYED NOTES

SANITARY BUILDING DRAIN, SIZE AS NOTED, REFER TO CIVIL UTILITY DRAWINGS FOR CONTINUATION BEYOND 5' OF THE BUILDING LINE.

P1.3 DOMESTIC WATER SERVICE, SIZE AND PEAK FLOW RATE AS NOTED.

P1.6 STORM, SIZE AND DEPTH AS NOTED.

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EP SITE PLAN



REQUIREMENTS.

GROUP	VI	DEO SURVEILLANCE LEGEND	
GR(SYMBOL	DESCRIPTION	
	K	INTERIOR/EXTERIOR WALL MOUNTED VIDEO SURVEILLANCE CAMERA.	
မ္သ		INTERIOR/EXTERIOR CEILING/CANOPY MOUNTED VIDEO SURVEILLANCE CAMERA	
DEVICES	VRS	VIDEO RECORDING SERVER. REFERENCE SPECIFICATIONS FOR INFORMATION CONCERNING ANALOG OR IP BASED TYPE SYSTEM.	
	#MU	INDICATES THE LOCATION OF A VIDEO SURVEILLANCE MAIN	
	NOTES: 1. REFERENCE VIDEO SURVEILLANCE SCHEDULE AND DIVISION 28 SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS		

INDICATES THAT THE ASSOCIATED TECHNOLOGY OUTLET IS INTENDED FOR FUTURE USE.

CONTRACTOR TO PROVIDE STAINLESS STEEL, SINGLE-GANG WALL PLATE AT ALL LOCATIONS.

GROUP	INTRUSION DETECTION LEGEND		
GR(SYMBOL	DESCRIPTION	
	IDP	DESIGNATES THE LOCATION OF THE INTRUSION DETECTION SYSTEM, CONTROL PANEL, ELECTRICAL CONTRACTOR TO PROVIDE 120V POWER TO PANEL	
	DC	FLUSH MOUNTED MAGNETIC DOOR CONTACT.	
	SDC	SURFACE MOUNTED MAGNETIC DOOR CONTACT.	
	ODC	OVERHEAD DOOR, SURFACE MOUNTED DOOR CONTACT.	
	KP	INTRUSION DETECTION SYSTEM ARM/DISARM KEYPAD.	
တ	M	STANDARD RANGE WALL MOUNTED MOTION DETECTOR.	
DEVICES	∭	MEDIUM RANGE WALL MOUNTED MOTION DETECTOR.	
B	$\textcircled{M}\!\!\longrightarrow\!$	LONG RANGE WALL MOUNTED MOTION DETECTOR.	
	M	CEILING MOUNTED, 360° MOTION DETECTOR.	
	R	RELAY/MONITOR MODULE	
	DB	DURESS BUTTON	
	[WSR]	WIRELESS SECURITY RECEIVER. ELECTRICAL CONTRACTOR TO PROVIDE ONE (1) SINGLE GANG BACK BOX WITH A 1" CONDUIT ROUTING TO THE NEAREST ACCESSIBLE CEILING. MOUNT AT 12" BELOW THE FINISHED CEILING, BUT DO NOT EXCEED 12'-0" AFF.	
	-GB	CEILING MOUNTED GLASS BREAK DETECTOR	
	NOTES: 1. REFERENCE ACCESS (INFORMATION AND RE	CONTROL SCHEDULE, DIVISION 8 AND DIVISION 28 SPECIFICATIONS FOR ADDITIONAL QUIREMENTS	

GROUP	SYMBOL	DESCRIPTION
	CR	WALL OR MULLION MOUNTED ACCESS CONTROL PROXIMITY CARD READER.
	(CR)	ACCESS CONTROL PROXIMITY CARD READER THAT IS INTEGRATED INTO THE DOOR HARDWARE.
	DR	DOOR RELEASE BUTTON
	PIR	MOTION REQUEST TO EXIT DEVICE
	ACP	DESIGNATES THE LOCATION OF THE ACCESS CONTROL SYSTEM, CONTROL PANEL. ELECTRICAL CONTRACTOR TO PROVIDE 120V. POWER TO PANEL. PROVIDE NETWORK CABLE TO PANEL AND COORDINATE WITH THE OWNER'S TECHNOLOGY DEPARTMENT ON ACQUIRING AN IP ADDRESS.
SES	DS	WALL OR MULLION MOUNTED, 2-WAY AUDIO/VIDEO INTERCOM DOOR STATION.
DEVICES	(DS)	DOOR MOUNTED, 2-WAY AUDIO/VIDEO INTERCOM DOOR STATION.
	MS	2-WAY AUDIO/VIDEO INTERCOM MASTER STATION.
	PB	ADA AUTO DOOR OPEN BUTTON. SHOWN FOR REFERENCE ONLY, BUTTON AND AUTO DOOR OPERATOR PROVIDED AND INSTALLED BY THE DOOR SYSTEM INSTALLER.
	DO	AUTO DOOR OPERATOR. OPERATOR TO BE PROVIDED AND INSTALLED BY THE DOOR SYSTEM INSTALLER.
	LA	WALL MOUNTED, LOCAL ALARM SOUNDER.
	(DC)	DPDT MAGNETIC DOOR CONTACT/DOOR POSITION SENSOR. FLUSH MOUNTED IN DOOR FRAME, UNLESS NOTED OTHERWISE

AUDIO/VIDEO LEGEND

INDICATES THE LOCATION OF A VIDEO PROJECTOR # TO BE REPLACED WITH "C" OR "W". "C"

ு | SYMBOL

		INDICATES THAT THE DEVICE IS A CEILING MOUNTED DEVICE AND "W" INDICATES IT IS TO BE WALL MOUNTED. CONTRACTOR TO PROVIDE AND INSTALL A PROJECTOR, CEILING OR WALL MOUNTING KIT, AND PATCH CABLES AS REQUIRED TO CONNECT AT BOTH ENDS.
	'AV-*#'	INDICATES THAT THE DESIGNATED TECHNOLOGY OUTLET IS INTENDED FOR AN AUDIO/VIDEO (A/V) INPUT. CONTRACTOR TO PROVIDE AND INSTALL A FLOOR MOUNTED OR WALL MOUNTED BOX AS INDICATED. TWO (2) 1.25" CONDUITS FROM THE BOX TO THE NEAREST, PLENUM ACCESSIBLE CEILING WITHIN THE SAME ROOM. ALL FLOOR AND WALL MOUNTED BOXES SHALL BE A MINIMUM OF 2-GANGS.
		*# - WHEN REPLACED WITH A '1' (AV-1) ONLY, THE OUTLET SHALL BE A STANDALONE, LOCAL INPUT TIED TO A LOCAL VIDEO DISPLAY (FSD, CMP, WMP, AV-2, ETC.). THIS OUTLET WILL NOT BE ASSOCIATED WITH ANY SYSTEM FOR ROUTING TO DISPLAYS LOCATED IN ANY OTHER PORTION OF THE PROJECT. IF NOT REPLACED WITH A '1' SEE THE NOTES AT THE BOTTOM OF THE LEGEND FOR ADDITIONAL INSTRUCTIONS.
	'FSD-*#'	INDICATES THE LOCATION OF A FLAT PANEL VIDEO DISPLAY. CONTRACTOR TO PROVIDE AND INSTALL TWO (2) CATEGORY 6 UTP NETWORK CABLE TO ALL LOCATIONS SHOWN ON THE ENTIRE PROJECT.
		*# - WHEN REPLACED WITH A '1' (FSD-1) ONLY, THE OUTLET SHALL BE A STANDALONE AND ONLY HAVE THE CATEGORY 6 CABLE ROUTED TO IT, FROM THE MDF/IDF SERVING THE DEVICES AREA ROOM.
SES		*# - WHEN REPLACED WITH A '2' (FSD-2) ONLY, THE OUTLET SHALL HAVE THE CATEGORY 6 CABLE ROUTED TO IT, FROM THE MDF/IDF SERVING THE DEVICES AREA, AND THE CABLING FROM THE ASSOCIATED AV-1.
DEVICES		EACH FSD OUTLET SHALL BE A 2-GANG BOX AND TWO (2) 1.25" CONDUITS STUBBING INTO THE ROOMS ACCESSIBLE CEILING. PROVIDE ONE DOUBLE-GANG FACEPLATE WITH TWO (2) DECORA PORTS. PROVIDE A DECORA STYLE INSERT THAT ACCEPTS THE STYLE OF DATA JACK BEING USED FOR STRUCTURED CABLING. WHEN THERE IS A LOCAL AV INPUT ASSOCIATED WITH THE DISPLAY, PROVIDE A DECORA INSERT THAT CONFORMS WITH THE SYSTEMS SPECIFIED. OTHERWISE PROVIDE A BLANK INSERT IN THE SECOND PORT.
	'IVD'	INDICATES THE LOCATION OF A WALL MOUNTED, INTERACTIVE VIDEO DISPLAY. PROVIDE AND INSTALL AV CABLE FROM THE ASSOCIATED AV-1 AS PER SYSTEM SPECIFICATIONS. RACEWAY SHALL CONSIST OF A 2-GANG BOX AND TWO (2) 1.25" CONDUITS STUBBING INTO THE ROOMS ACCESSIBLE CEILING. PROVIDE ONE DOUBLE-GANG FACEPLATE WITH TWO (2) DECORA PORTS. PROVIDE A DECORA STYLE INSERT THAT ACCEPTS THE STYLE OF DATA JACK BEING USED FOR STRUCTURED CABLING. WHEN THERE IS A LOCAL AV INPUT ASSOCIATED WITH THE DISPLAY, PROVIDE A DECORA INSERT THAT CONFORMS WITH THE SYSTEMS SPECIFIED. OTHERWISE PROVIDE A BLANK INSERT IN THE SECOND PORT.
	'USB-T'	INDICATES THE LOCATION OF A USB INPUT PLATE THAT SHALL TRANSMIT USB SIGNAL TO THE ASSOCIATED USB OUTPUT PLATE. RACEWAY SHALL CONSIST OF ONE (1) 1" CONDUIT AND A SINGLE GANG BACK BOX.
	'USB-R'	INDICATES THE LOCATION OF A USB OUTPUT PLATE THAT SHALL RECEIVE USB SIGNAL FROM THE USB ASSOCIATED INPUT PLATE. RACEWAY SHALL CONSIST OF ONE (1) 1" CONDUIT AND A SINGLE GANG BACK BOX.
	<u>\$</u> *#	INDICATES THE THE LOCATION OF A LOCAL SOUND REINFORCEMENT/PRESENTATION SPEAKER.
		*# - WHEN REPLACED WITH AN 'L', THE SPEAKER SHALL BE FOR LOCAL INSTRUCTIONAL PRESENTATION AUDIO AND POWERED BY THE SPECIFIED CLASSROOM PRESENTATION AMPLIFIER.
		*# - WHEN REPLACED WITH 'SM', THE SPEAKER SHALL BE DEDICATED TO A SPEECH PRIIVACY/SOUND MASKING SYSTEM.
	[AVC]*#	INDICATES THE LOCATION OF AN AUDIO/VIDEO CONTROL PLATE. RACEWAY SHALL CONSIST OF ONE (1) A BACK BOX WITH A 1" CONDUIT ROUTING INTO THE ACCESSIBLE CEILING SPACE WITHIN THE SAME ROOM. AV SYSTEM INSTALLER TO COORDINATE THE CONTROL BACK BOX SIZE REQUIREMENT WITH THE PROJECT'S ELECTRICAL CONTRACTOR.

A. IN THE EVENT THAT *#* IS NOT DEFINED IN THE OUTLET DESCRIPTION, THE DEVICE SHALL BE CONSIDERED A STANDALONE DEVICE, SERVING THE SYSTEM WITHIN THE SAME SPACE OR THE FOLLOWING SHALL APPLY: *# - UNLESS SPECIFICALLY NOTED OTHERWISE, THE FOLLOWING SHALL APPLY TO EACH DEVICE SHOWN ON

* SHALL BE REPLACED THE ALPHABETICAL CHARACTERS THAT SHALL INDICATE THE SPECIFIC VENUE THAT THE DEVICE IS ASSOCIATED WITH

SHALL BE REPLACED WITH A NUMERIC VALUE THAT SHALL IDENTIFY THE SPECIFIC DEVICE WITHIN THE

B. THE AUDIO/VIDEO SYSTEM INTEGRATOR SHALL COORDINATE ALL BOX AND CONDUIT SIZE REQUIREMENTS PRIOR TO ROUGH-IN BY THE PROJECT ELECTRICAL CONTRACTOR.

C. REFERENCE SCOPE MATRIX AND PROJECT SPECIFICATIONS FOR INSTRUCTIONS REGARDING THE PROVIDING AND INSTALLATION OF VIDEO DISPLAYS, PROJECTORS, SCREENS, MOUNTS, AND LIFTS.

TYPICAL SUBSCRIPTS LEGEND

DESCRIPTION

. =,	
'WM'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE WALL MOUNTED AT SPECIFIED HEIGHT OR IN COMPLIANCE WITH CODE REQUIREMENTS. ALL WALL MOUNTED HEIGHTS ARE TO BE CONFIRMED WITH THE PROJECT'S ARCHITECT PRIOR TO ROUGH-IN.
'WP'	INDICATES THAT THE DESIGNATED DEVICE SHALL BE WEATHER PROOF AND RATED FOR EXTERIOR CONDITIONS INSTALLATION.
'AC'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE INSTALLED ABOVE THE COUNTERTOP. A NUMERIC VALUE SHALL REPLACE THE '#' SYMBOL AND SHALL DESIGNATE THE SPECIFIC HEIGHT ABOVE COUNTER. ALL HEIGHTS ARE TO BE CONFIRMED WITH THE PROJECT'S ARCHITECT PRIOR TO ROUGH-IN.
'AFF'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE INSTALLED ABOVE THE FINISHED FLOOR. A NUMERIC VALUE SHALL REPLACE THE '#' SYMBOL AND SHALL DESIGNATE THE SPECIFIC HEIGHT ABOVE FINISHED FLOOR. ALL HEIGHTS ARE TO BE CONFIRMED WITH THE PROJECT'S ARCHITECT PRIOR TO ROUGH-IN.

TEXT

INDICATES THAT THE DESIGNATED DEVICE IS TO BE INSTALLED ABOVE THE GRADE LEVEL. A NUMERIC VALUE SHALL REPLACE THE '#' SYMBOL AND SHALL DESIGNATE THE SPECIFIC HEIGHT ABOVE GRADE. ALL HEIGHTS ARE TO BE CONFIRMED WITH THE PROJECT'S ARCHITECT PRIOR TO

INDICATES THAT THE DESIGNATED DEVICE IS TO BE SURFACE MOUNTED. CONTRACTOR TO PROVIDE ALL MATERIALS REQUIRED FOR A COMPLETE, SURFACE MOUNTED SOLUTION. ALL SURFACE MOUNTED PRODUCTS SHALL BE APPROVED BY THE PROJECT'S

ARCHITECT PRIOR TO PROCUREMENT AND/OR INSTALLATION. INDICATES THAT THE DESIGNATED DEVICE IS TO BE MOUNTED ON THE UNDERSIDE OF THE ELEVATED CANOPY.

INDICATES THAT THE DESIGNATED DEVICE IS TO BE INSTALLED UNDER A RAISED FLOOR SYSTEM.

'CM' INDICATES THAT THE DESIGNATED DEVICE IS TO BE CORNER MOUNTED AT SPECIFIED HEIGHT. ALL WALL MOUNTED HEIGHTS ARE TO BE CONFIRMED WITH THE PROJECT'S ARCHITECT PRIOR TO ROUGH-IN.

GENERAL NOTES

- ALL 120V POWER REQUIRED FOR THE FUNCTIONALITY OF EACH SYSTEM SHALL BE A DEDICATED CIRCUIT AND 0N EMERGENCY POWER WHEN AVAILABLE. PROJECTS ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER TO MAIN CONTROL PANELS, REMOTE POWER SUPPLIES AND ALL HEAD END EQUIPMENT. SYSTEM INSTALLERS SHALL COORDINATE LOCATIONS AND CONNECTIONS WITH THE PROJECT'S ELECTRICAL CONTRACTOR.
- THE PROJECT'S ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL IN CONDUITS, BACK BOXES. JUNCTION BOXES, RACEWAYS, AND SLEEVES REQUIRED TO ESTABLISH CLEAR PATHWAYS FOR ALL SYSTEMS. ALL CONDUITS, SLEEVES, BOXES, AND RACEWAYS SHALL BE PROPERLY SIZED TO MAINTAIN A 40% MAXIMUM FILL RATIO.
- ALL TECHNOLOGY SYSTEMS OR WIRING ROUTING ACROSS NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED IN CONDUIT PROVIDED AND INSTALLED BY THE PROJECT'S ELECTRICAL CONTRACTOR. EXPOSED WIRING FOR ALL ROUTING ABOVE NON-ACCESSIBLE CEILINGS WILL NOT BE ACCEPTED SIZE CONDUIT AS REQUIRED TO ROUTE SYSTEMS WITH 40% CABLE FILL RATIO. MINIMUM CONDUIT SIZE SHALL
- EACH SYSTEM INSTALLER SHALL BE RESPONSIBLE FOR ENSURING ALL EXTERIOR WALL PENETRATIONS ARE PROPERLY SEALED TO PREVENT ANY MOISTURE FROM ENTERING BUILDING.
- NO CONDUITS SHALL BE INSTALLED ON THE EXTERIOR OF THE BUILDING. IF EXTERIOR CONDUITS ARE REQUIRED FOR A COMPLETE INSTALLATION, EACH SYSTEM CONTRACTOR SHALL COORDINATE WITH THE PROJECTS CONSULTANT PRIOR TO ANY ROUGH-IN.
- EACH SYSTEM INSTALLER SHALL PROVIDE AND INSTALL PROTECTIVE BUSHINGS ON ALL CONDUIT STUB OUTS AND SLEEVES TO PREVENT CABLE DAMAGE. BUSHING TO BE INSTALLED PRIOR TO CABLE INSTALLATION. CUTTING BUSHING AND INSTALLING AFTER CABLE IS INSTALLED WILL NOT BE EXCEPTED.
- ALL CABLE SHALL BE ROUTED DOWN CORRIDORS. PARALLEL AND PERPENDICULAR TO THE BUILDING WALLS AND STRUCTURE. CABLE TO EACH DEVICE SHALL BRANCH OFF OF A MAIN CORRIDOR TRUNK. ROUTING CABLES THROUGH CLASSROOMS, OFFICES, STORAGE ROOMS, RESTROOMS OR ANY TYPE OF ROOM OTHER THAN A CORRIDOR WILL NOT BE ACCEPTED. ENTER ALL ROOMS ABOVE THE ASSOCIATED ROOM DOORWAY

LOCAL SOUND SYSTEM LEGEND SYMBOL VENUE SPECIFIC LOCAL SOUND SYSTEM SPEAKER. *# TO BE REPLACED WITH ALPHANUMERIC TEXT INDICATING THE ASSOCIATED VENUE AND SPEAKER NUMBER. VENUE SPECIFIC LOCAL SOUND SYSTEM CONTROL PLATE. *# TO BE REPLACED WITH ALPHANUMERIC TEXT INDICATING THE ASSOCIATED VENUE AND CONTROL PLATE NUMBER. VENUE SPECIFIC LOCAL SOUND SYSTEM MICROPHONE INPUT. *# TO BE REPLACED WITH ALPHANUMERIC TEXT INDICATING THE ASSOCIATED VENUE AND MIC INPUT NUMBER. VENUE SPECIFIC LOCAL SOUND SYSTEM HANGING MICROPHONE. *# TO BE REPLACED WITH ALPHANUMERIC TEXT INDICATING THE ASSOCIATED VENUE AND MIC NUMBER. VENUE SPECIFIC LOCAL SOUND SYSTEM 3.5MM AUXILIARY INPUT AND BLUETOOTH MIXER. *# TO BE REPLACED WITH ALPHANUMERIC TEXT INDICATING THE ASSOCIATED VENUE AND MIXER NUMBER. CONTRACTOR TO PROVIDE AND INSTALL A RECESSED ENCLOSURE WITH FLUSH MOUNTED, LOCKABLE DOOR. DEVICE TO BE MOUNTED AT +42" AFF. INDICATED THE LOCATION OF THE VENUE SPECIFIC LOCAL SOUND SYSTEM HEAD END RACK. AMPLIFIERS, DSPS, AND ALL OTHER HEAD END EQUIPMENT SHALL BE INSTALLED IN THIS RACK/CABINET. WIRELESS MICROPHONE ANTENNA. REFERENCE SPECIFICATIONS FOR MORE

1. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS

OUROODIDTO LEOEND EVICTINO DEVICEO

ASSISTED LISTENING ANTENNA. REFERENCE SPECIFICATIONS FOR MORE INFORMATION.

SUBS	SCRIPTS LEGEND - EXISTING DEVICE
TEXT	DESCRIPTION
'E'	INDICATES THAT THE DEVICE IS EXISTING TO REMAIN. CONTRACTOR TO REMOVE DEVICE AND PLACE IN THE SAME LOCATION AS NEEDED.
'D'	INDICATES THAT THE DEVICE IS EXISTING AN IS TO BE REMOVED. CONTRACTOR TO REMOVE THE DEVICE AND RETURN TO OWNER.
'R'	INDICATES THAT THE DEVICE IS EXISTING AND SHALL BE REPLACED. REFERENCE NEW SYSTEM LAYOUT FOR EXACT LOCATIONS
'RR'	INDICATES THAT THE DEVICE IS EXISTING AND SHALL BE REMOVED AND RELOCATED TO A LOCATION INDICATED ON THE DRAWINGS. REFERENCE NEW SYSTEM LAYOUT FOR EXACT LOCATIONS.

COMMUNICATIONS

Has Has School Intercommunication system Handset. DEFAULT ELEVATION (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN: 42" AFF VOLUME CONTROL - WALL MOUNTED INTERCOM/PA SYSTEM CALL-IN OR CALL-BACK DEVICE DEFAULT ELEVATION (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN: 120" AFF OR 12" BELOW CEILING, WHICHEVER IS LOWER

INTERCOMP/PA SPEAKER "L" LOCAL SOUND REINFOCEMENT

CEILING MOUNTED DEVICES:

INTERCOM/PA SPEAKER "VC" INDICATED VOLUME CONTROL ON SPEAKER.

TECHNOLOGY GENERAL NOTES

- CONTRACTOR SHALL COORDINATE WITH DBR ENGINEERING PRIOR TO THE INSTALLATION OF RACKS AND RACK EQUIPMENT. NO RACKS SHALL BE PERMANENTLY INSTALLED WITHOUT WRITTEN APPROVAL BY OWNER AND DBR OF THE PROPOSED LOCATIONS.
- THE SELECTED INSTALLING CONTRACTOR MUST BE A CERTIFIED INTEGRATOR/ INSTALLER AUTHORIZED BY THE SPECIFIED SYSTEM MANUFACTURER TO INSTALL THE CABLE PLANT AND CONNECTIVITY PRODUCTS. REFER TO SPECIFICATIONS FOR PRODUCT TYPE AND DESCRIPTION.
- SYSTEM WIRING AND EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH GOOD ENGINEERING PRACTICES AS ESTABLISHED BY ANSI/TIA, BICSI, AND THE NEC.
- ALL WIRING SHALL MEET ALL STATE AND LOCAL ELECTRICAL CODES.
- ALL TELECOMMUNICATIONS SYSTEMS EQUIPMENT AND MOUNTING LOCATIONS SHALL BE IN COMPLIANCE WITH ADA ACCESSIBILITY
- INSTALLATION PROTOCOLS FOR ALL CATEGORY 6 DATA CABLING SHALL COMPLY WITH THE MOST CURRENT INDUSTRY STANDARDS.
- ALL DATA CABLES ARE TO BE INSTALLED WITH A MINIMUM OF 12 INCHES OF SEPARATION FROM AC POWER CABLES, INTERCOM, FIRE ALARM, SECURITY CABLES IN ANY PARALLEL OPEN WIRE RUN.
- ALWAYS CROSS OTHER SYSTEM CABLES AT A 90 DEGREE ANGLE.
- ALL CABLES AND TERMINATION COMPONENTS SHALL BE MACHINE LABELED AT BOTH ENDS. LABEL ALL CABLES PER TECHNOLOGY DRAWINGS AND/OR SPECIFICATIONS. FINAL CABLE/OUTLET IDENTIFICATION LABELS SHALL BE COORDINATED WITH THE OWNER AND DBR.
- 10. CONTRACTOR TO PROVIDE LIGHTNING PROTECTION ON ALL COMMUNICATION CABLE BETWEEN BUILDINGS.
- 11. ALL EXPOSED CABLING ROUTED IN PLENUM SHALL BE PLENUM-RATED. ALL NON PLENUM-RATED CABLING INSTALLED IN PLENUM SPACES SHALL BE INSTALLED IN CONDUIT
- 12. NO TERMINATION OR SPLICES SHALL BE INSTALLED IN OR ABOVE CEILINGS UNLESS NOTED NOTED OTHERWISE.
- 13. CONTRACTOR SHALL MAINTAIN WALL RATING WITH PROPER FIRE BLOCKING.
- 14. ALL CABLE INSTALLED SHALL ROUTE TO RING THE ROOM FROM LEFT TO RIGHT OF THE ROOM IN WHICH IT SERVES AND THEN TO THE OUTLET LOCATION IT IS INTENDED FOR. EACH CABLE SHALL HAVE A 10' SERVICE LOOP AT THE CENTER OF EACH ROOM AND A 3' SERVICE LOOP ABOVE EACH OUTLET LOCATION.
- 15. THE SYSTEM INSTALLER SHALL PROPERLY SUPPORT ALL INSTALLED SYSTEM CABLING FROM AN APPROVED CABLE SUPPORT SYSTEM AS DETAILED IN SPECIFICATIONS. NO CABLING SHALL BE ROUTED AND TIED DIRECTLY TO BUILDING STEEL, CEILING GRID SUPPORT, CONDUIT, PIPING, OR DUCTWORK. PANDUIT J-MOD SUPPORT SYSTEM SHALL BE DIRECTLY CONNECTED TO THE BUILDING'S STEEL JOIST. IN LOCATION WHERE THE BOTTOM OF THE JOIST IS MORE THAN 5' ABOVE THE CEILING, THE SYSTEM INSTALLER SHALL PROVIDE AND INSTALL THREADED ROD AND ALL REQUIRED MATERIALS TO CONNECT THE THREADED ROD TO THE BUILDING STEEL AND THE CABLE SUPPORT SYSTEM TO THE THREADED ROD. CABLE PATHWAY SHALL NOT BE HIGHER THAN 5' ABOVE THE CEILING AT ANY LOCATIONS.
- 6. CONTRACTOR TO PROVIDE AND INSTALL ALL REQUIRED CABLING AND COMPONENTS TO FURNISH TWO (2) CAT 6 CABLES FOR ANALOG TELEPHONE LINE(S) TO THE FIRE ALARM SYSTEM. CONTRACTOR TO COORDINATE WITH THE SYSTEM INSTALLER FOR EXACT LOCATIONS AND TERMINATION INSTRUCTIONS PRIOR TO INSTALLATION.
- 17. CONTRACTOR TO PROVIDE AND INSTALL ONE (1) CATEGORY 6 CABLE TO THE BUILDING'S ACCESS CONTROL HEAD END PANEL. TERMINATION OF THIS CABLE SHALL BE COORDINATED WITH THE SYSTEM INSTALLER.
- 18. CONTRACTOR TO PROVIDE AND INSTALL ONE (1) CATEGORY 6 CABLE TO THE BUILDING'S INTRUSION DETECTION PANEL. TERMINATION OF THIS CABLE SHALL BE COORDINATED WITH THE SYSTEM INSTALLER.
- 9. PROVIDE AND INSTALL ONE (1) CATEGORY 6 CABLE TO EACH LIGHTING CONTROL HUB IN THE PROJECT DESIGN. COORDINATE EXACT QUANTITY AND LOCATIONS WITH THE LIGHTING CONTROL SYSTEM INSTALLER. CONTRACTOR TO ASSUME A MINIMUM OF FIVE (5) LIGHTING CONTROL HUBS PER PROJECT.
- 20. CONTRACTOR TO PROVIDE AND INSTALL ONE (1) CATEGORY 6 DATA CABLE TO EACH PROJECTOR AND LCD ON THE ENTIRE PROJECT.
- 21. PROVIDE AND INSTALL ONE (1) CATEGORY 6 DATA CABLE TO THE LOCAL AIR UNIT CONTROLLER IN EACH MDF AND IDF.
- 22. PROVIDE AND INSTALL ONE (1) CATEGORY 6 DATA CABLE TO EACH ACCESS CONTROL VIDEO DOOR STATION ON THE ENTIRE PROJECT. COORDINATE EXACT LOCATION AND TERMINATION REQUIREMENTS WITH THE DOOR STATION INSTALLER. PRIOR TO INSTALLATION. 22.

SECURITY GENERAL NOTES

- THE SECURITY SYSTEM INSTALLERS SHALL BE RESPONSIBLE FOR CONNECTING ALL APPLICABLE SYSTEM EQUIPMENT TO THE OWNER'S
- HE SYSTEM INSTALLER SHALL PROPERLY SUPPORT ALL INSTALLED SYSTEM CABLING FROM AN APPROVED CABLE SUPPORT SYSTEM AS DETAILED IN SPECIFICATIONS. NO CABLING SHALL BE ROUTED AND TIED DIRECTLY TO BUILDING STEEL, CEILING GRID SUPPORT, CONDUIT, PIPING, OR DUCTWORK. THE CABLE SUPPORT SYSTEM SHALL BE DIRECTLY CONNECTED TO THE BUILDING'S STEEL JOIST. AT LOCATIONS WHERE THE BOTTOM OF THE JOIST IS MORE THAN 5' ABOVE THE CEILING, THE SYSTEM INSTALLER SHALL PROVIDE AND INSTALL THREADED ROD AND ALL REQUIRED MATERIALS TO CONNECT THE THREADED ROD TO THE BUILDING STEEL AND THE CABLE SUPPORT SYSTEM TO THE THREADED ROD. CABLE PATHWAY SHALL NOT BE HIGHER THAN 5' ABOVE THE CEILING AT ANY LOCATIONS.
- ECURITY CAMERA SYSTEM INSTALLER SHALL PROVIDE A CEILING MOUNTED INSTALLATION KIT RECOMMENDED BY THE MANUFACTURER OF THE CAMERA. EACH CEILING MOUNTED CAMERA KIT SHALL HAVE A SUPPORT WIRE ATTACHED TO THE BUILDING'S STRUCTURE TO PREVENT THE CAMERA FROM DROPPING TO THE FLOOR AT ANY TIME. AT NO POINT SHALL THE WEIGHT OF THE CEILING MOUNTED SECURITY CAMERA BE SUPPORTED BY THE CEILING GRID SYSTEM OR CEILING TILES. ALL CEILING MOUNTED CAMERAS SHALL BE FLUSH MOUNTED.
- ALL EXTERIOR AND WALL MOUNTED CAMERA LOCATIONS AND MOUNTING HEIGHTS MUST BE COORDINATED WITH THE OWNER PRIOR TO ROUGH-IN. COORDINATION MEETINGS SHALL BE SCHEDULED THROUGH THE ARCHITECT'S PROJECT MANAGER.
- PROVIDE AND INSTALL MAGNETIC DOOR CONTACT AT ALL ROOF HATCHES ON THE ENTIRE PROJECT. CONTACTS TO BE CONNECTED TO
- THE BUILDINGS INTRUSION DETECTION SYSTEM.
- CONTRACTOR TO PROVIDE AND INSTALL A MONITOR RELAY AND ALL REQUIRED MATERIALS TO CONNECT THE RELAY TO THE FREEZER/COOLER TEMPERATURE GAUGE AND BACK TO THE INTRUSION DETECTION SYSTEM. THE INTRUSION DETECTION SYSTEM SHALL BE PROGRAMMED TO NOTIFY THE OWNER'S DESIGNATED PERSONNEL IN THE EVENT OF EXTENSIVE CHANGE IN TEMPERATURE.

NOTES TO CONTRACTOR

- EVERY SYMBOL SHOWN ON LEGEND MAY NOT APPEAR ON DRAWINGS. REFER TO GENERAL ELECTRICAL NOTES FOR WALL-MOUNTED DEVICE MOUNTING HEIGHTS.
- REFERENCE SPECIFICATIONS FOR MATERIALS AND METHODS.
- COMPLETE INSTALLATION OF ALL PRODUCTS SHALL BE IN COMPLIANCE WITH ALL CODES, INDUSTRY STANDARDS, COMMON PRACTICES AND MANUFACTURER'S INSTRUCTIONS.
- ALL EXTERIOR AND WALL MOUNTED CAMERA LOCATIONS AND MOUNTING HEIGHTS MUST BE COORDINATED WITH THE OWNER PRIOR TO ROUGH-IN. COORDINATION MEETINGS SHALL BE SCHEDULED THROUGH THE ARCHITECT'S PROJECT MANAGER.

310 Longmire

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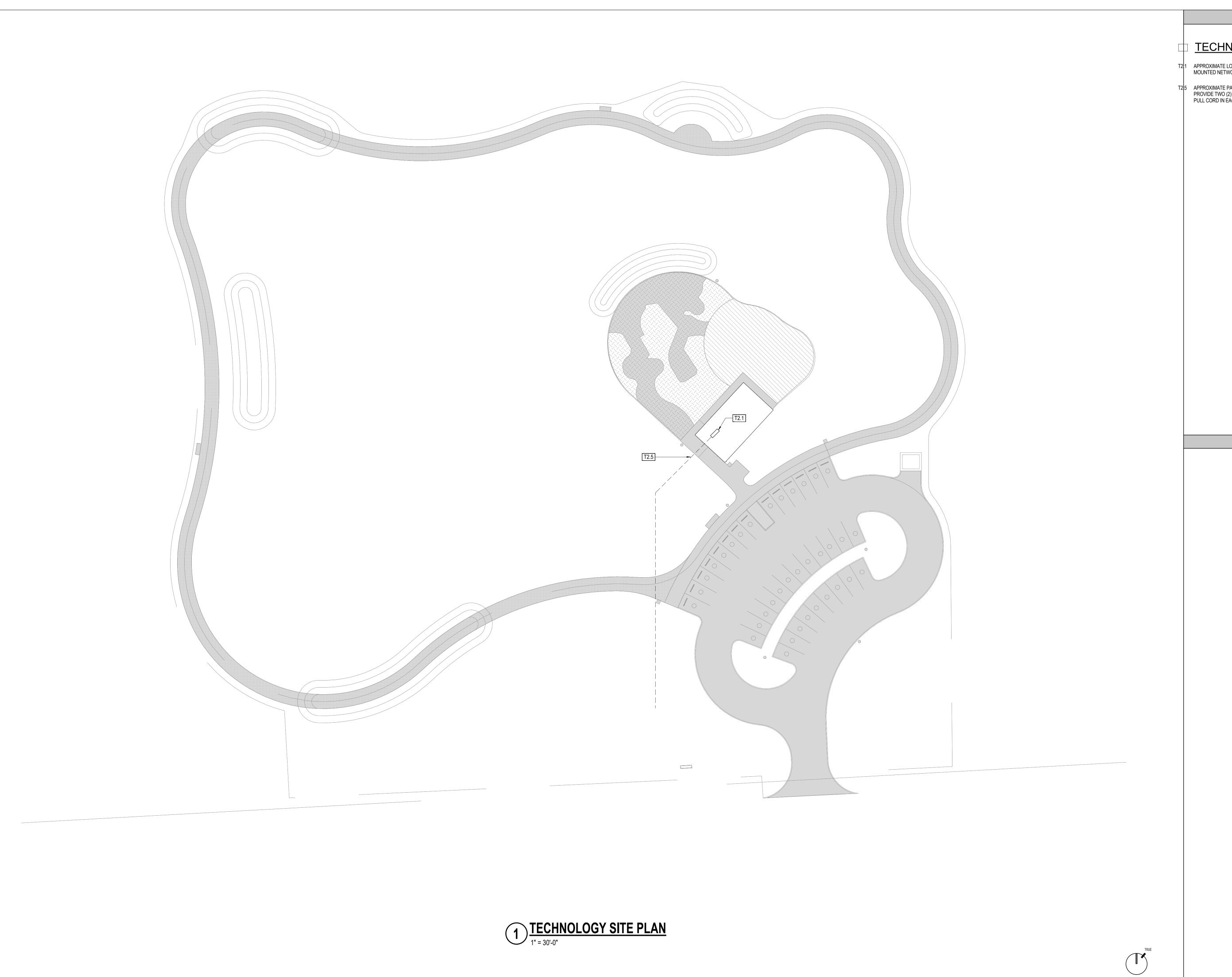


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TECHNOLOGY SYMBOL



TECHNOLOGY KEYED NOTES

APPROXIMATE LOCATION OF BUILDING JANITOR CLOSET WITH VERTICAL MOUNTED NETWORK ENCLOSURE.

APPROXIMATE PATHWAY OF INTERNET SERVICE PROVIDER ENTRANCE.
PROVIDE TWO (2) 4-INCH UNDERGROUND CONDUITS WITH 1800 LB TESTED
PULL CORD IN EACH FOR COMMUNICATIONS SERVICES.

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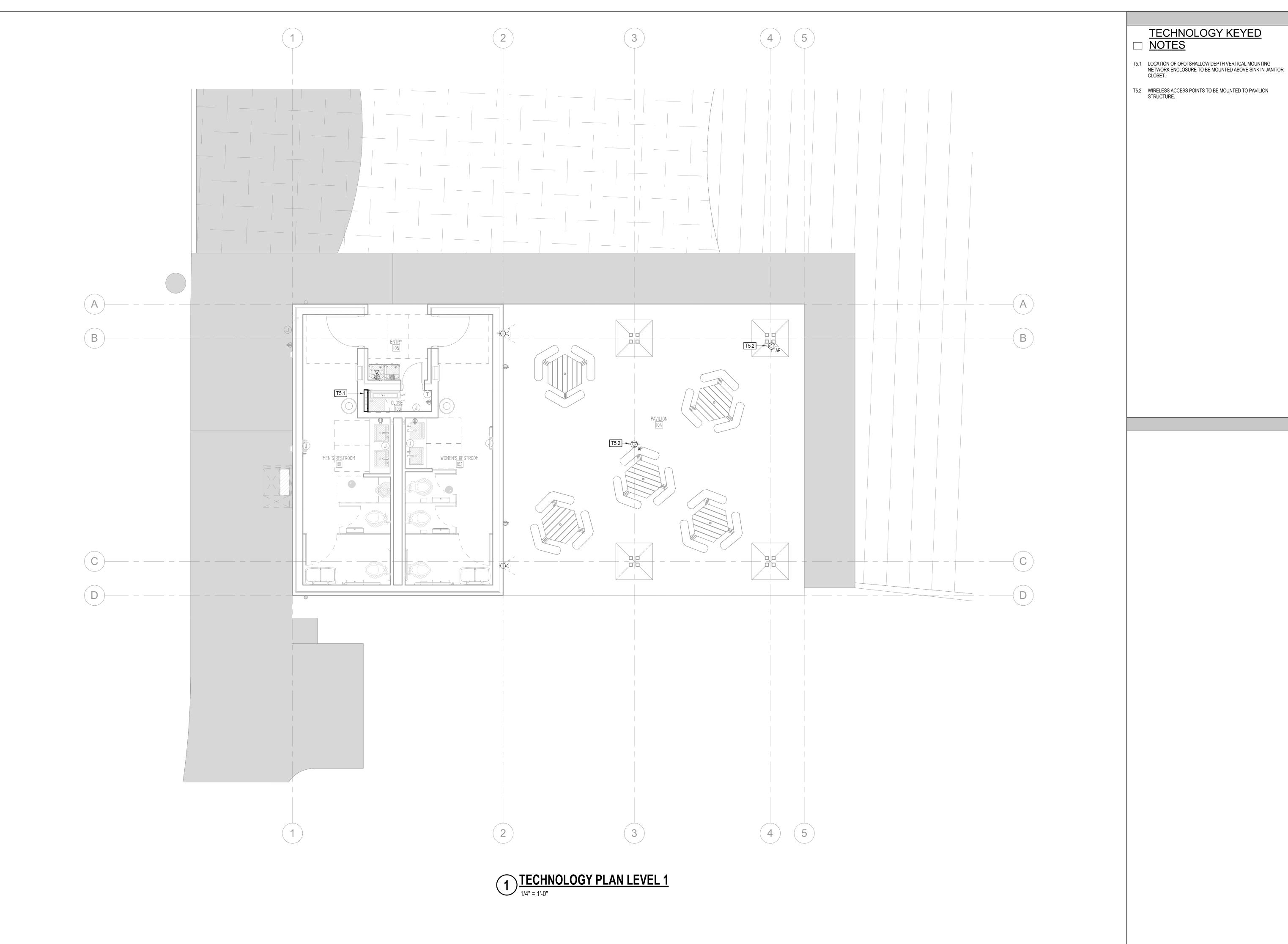
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TECHNOLOGY SITE PLAN



TECHNOLOGY KEYED

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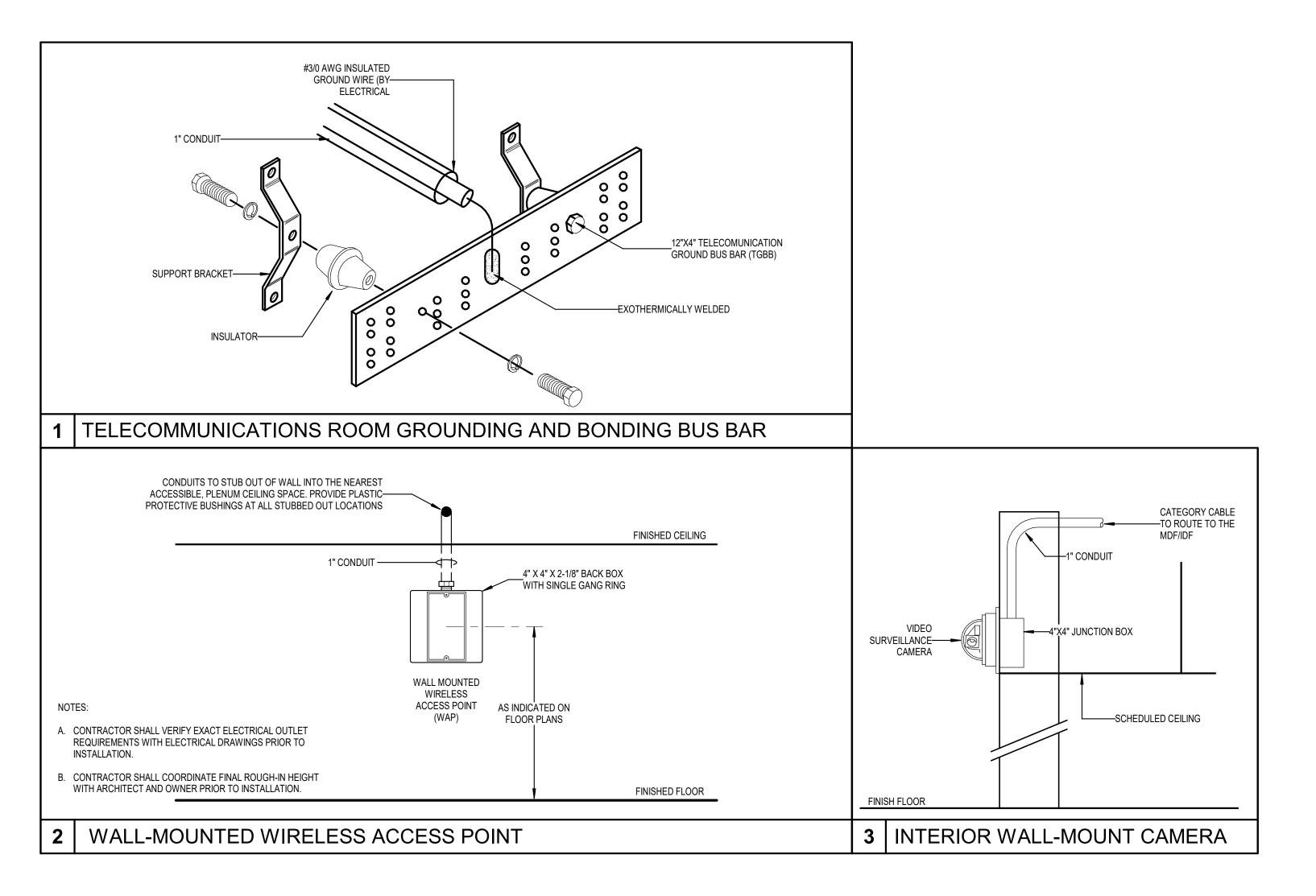
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