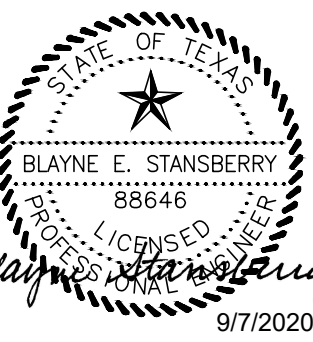


CIPID # 6014.041  
651 N PLEASANT VALLEY ROAD, AUSTIN, TEXAS 78702  
SEPTEMBER 07, 2020



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ISSUE DATE    09/07/2020

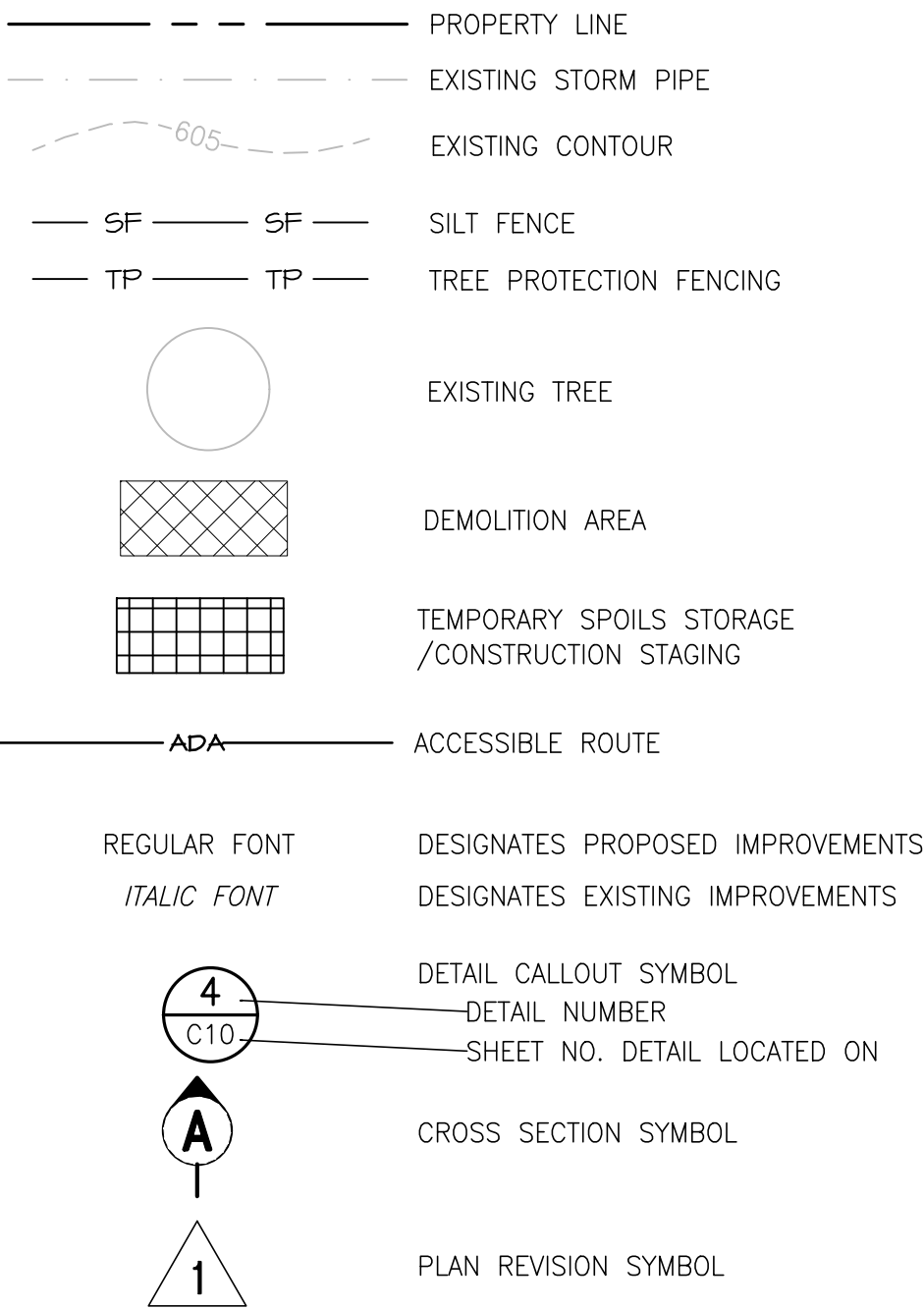
REVISIONS	

CITY OF AUSTIN  
**CEPEDA  
LIBRARY  
RENOVATIONS**  
  
651 N PLEASANT VALLEY RD  
AUSTIN, TEXAS 78702

**GENERAL NOTES & LEGENDS**

**C0.1**

**LEGEND**



**ABBREVIATIONS**

AC	AIR CONDITIONER
APPROX	APPROXIMATE
B/W	BOTTOM OF WALL
BL	BUILDING LINE
BLDG	BUILDING
BM	BENCHMARK
CI	CAST IRON
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
COA	CITY OF AUSTIN
CONC	CONCRETE
DET, DETL	DETAIL
DI	DUCTILE IRON
DIA, Ø	DIAMETER
DRNG	DRAINAGE
EA	EACH
EJ	EXPANSION JOINT
EL, ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EQUIV	EQUIVALENT
ESC	EROSION AND SEDIMENTATION CONTROL
ESMT	EASEMENT
EX, EXTG	EXISTING
EXP, JT.	EXPANSION JOINT
F-F	FACE TO FACE
FF, FFE	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FOC	FACE OF CURB
FP	FLOODPLAIN
FPS	FEET PER SECOND
FT	FEET
GPM	GALLON PER MINUTE
GV	GATE VALVE
H	HORIZONTAL
HDPE	HIGH DENSITY POLYETHYLENE
HDWL	HEADWALL
HGL	HYDRAULIC GRADE LINE
HL	HEAD LOSS
HMAC	HOT MIX ASPHALTIC CONCRETE
HORIZ	HORIZONTAL
HP	HIGH POINT
HW	HEADWATER
IP	INLET PROTECTION
JT	JOINT
L, LT	LEFT
LDC	LAND DEVELOPMENT CODE
LF	LINEAR FOOT
LN	LINE
LOC	LIMIT OF CONSTRUCTION
LOG	LIP OF GUTTER
LP	LOW POINT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MSL	MEAN SEA LEVEL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NG	NATURAL GROUND
NTS	NOT TO SCALE
O/S	OFFSET
OC	ON CENTER
OCEW	ON CENTER EACH WAY
OE	OVERHEAD ELECTRIC
OHU	OVERHEAD UTILITY
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PI	POINT OF INFLECTION
PKNG	PARKING
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVC	POINT OF VERTICAL CURVE
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INFLECTION
PVT	POINT OF VERTICAL TANGENCY
Q	FLOW RATE
R, RT	RIGHT
RB	ROCK BERM
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCED
ROW	RIGHT OF WAY
S.D.	SIDE SLOPE
SCE	STABILIZED CONSTRUCTION ENTRANCE
SCH	SCHEDULE
SD	STORM DRAIN
SF	SILT FENCE
SF	SQUARE FOOT
Sf	FRICITION SLOPE
SRB	SOIL RETENTION BLANKET
SS	STORM SEWER OR SANITARY SEWER
STA	STATION
SWLK	SIDEWALK
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
T/W	TOP OF WALL
TBM	TEMPORARY BENCHMARK
TC	TOP OF CURB
TEMP	TEMPORARY
TP	TREE PROTECTION
TYP	TYPICAL
U/S	UPSTREAM
V, VERT	VERTICAL
V	VELOCITY
VC	VERTICAL CURVE
VLV	VALVE
W, WTR	WATER
WL	WATER LINE
WQP	WATER QUALITY POND
WSEL	WATER SURFACE ELEVATION
WW	WASTEWATER
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
YR	YEAR

**GENERAL CONSTRUCTION NOTES**

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST REVISIONS TO THE CITY OF AUSTIN STANDARD SPECIFICATIONS.
- PRIOR TO BEGINNING CONSTRUCTION, THE OWNER OR HIS AUTHORIZED REPRESENTATIVE SHALL CONVENE A PRE-CONSTRUCTION CONFERENCE BETWEEN THE CITY OF AUSTIN, CONSULTING ENGINEER, CONTRACTOR, AND OTHER AFFECTED PARTIES. NOTIFY PARTIES AT LEAST 48 HOURS PRIOR TO THE TIME OF THE CONFERENCE AND 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- THE CONTRACTOR SHALL GIVE THE CITY A MINIMUM OF 48 HOURS NOTICE BEFORE BEGINNING EACH PHASE OF CONSTRUCTION, CALL CONSTRUCTION INSPECTION DIVISION, 974-0170, EXT. 7161.
- ANY EXISTING PAVEMENT, CURBS, AND/OR SIDEWALKS DAMAGED OR REMOVED, NOT SHOWN FOR DEMOLITION, WILL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE BEFORE ACCEPTANCE OF THE PROJECT.
- CONTRACTOR SHALL CALL THE ONE CALL CENTER AT 1-800-245-4545 AT LEAST 48 HOURS PRIOR TO DIGGING IN CITY EASEMENTS OR RIGHT OF WAY.
- UPON COMPLETION OF THE PROPOSED SITE IMPROVEMENTS AND PRIOR TO THE RELEASE BY THE CITY, THE DESIGN ENGINEER SHALL CERTIFY IN WRITING THAT THE PROPOSED IMPROVEMENTS WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS.
- A CURB LAY DOWN IS REQUIRED AT ALL POINTS WHERE THE PROPOSED SIDEWALK INTERSECTS THE CURB.
- CONTRACTOR SHALL CALL TEXAS 811 (811 OR 1-800-344-8377) FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN CITY EASEMENTS OR STREET R.O.W.
- THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT TYPE AND LOCATION OF ALL UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGE TO THOSE UTILITIES. IF DAMAGE OCCURS, THE CONTRACTOR ASSUMES RESPONSIBILITY FOR THE IMMEDIATE REPAIR OF DAMAGED UTILITIES AND THE COST OF REPAIR.
- AREAS DAMAGED BY ANY OPERATION OF THE CONTRACTOR DURING THE EXECUTION OF THIS PROJECT SHALL BE REPAIRED AND RESTORED TO THE ORIGINAL PRE-CONSTRUCTION CONDITION IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF THE STANDARD SPECIFICATIONS. BACK FILL AND FILL PLACED DURING REMEDIAL GRADING SHALL BE COMPACTED TO A DENSITY 85% AND TO THE SATISFACTION OF THE ENGINEER AND GOVERNING AUTHORITIES.
- WHERE REMOVAL OF BASE AND PAVEMENT IS NECESSARY FOR THIS PROJECT ALL BASE AND PAVEMENT SHALL BE REPLACED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, CITY'S STANDARD SPECIFICATIONS AND STANDARD SPECIFICATIONS FOR CUTS IN PUBLIC RIGHT OF WAY. ALL PAVEMENT CUTS SHALL BE SAWCUT PRIOR TO PLACEMENT OF H.M.A.C.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY UNREPORTED OBSTACLES THAT MAY IMPEDE OR PREVENT THE PROPER CONSTRUCTION OF THIS PROJECT.
- BEFORE DISCONNECTING ANY WATER LINE OR GAS LINE, CONTRACTOR MUST PROVIDE TWENTY-FOUR (24) HOUR NOTICE TO THE OWNER EXCEPT IN AN EMERGENCY.

**SITE CLEAN UP AND SAFETY REQUIREMENTS**

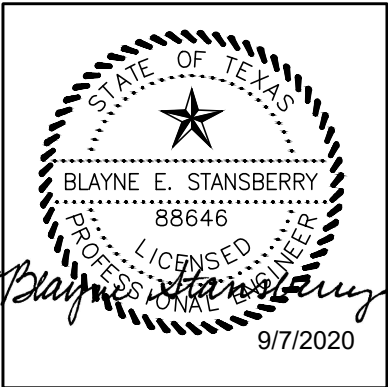
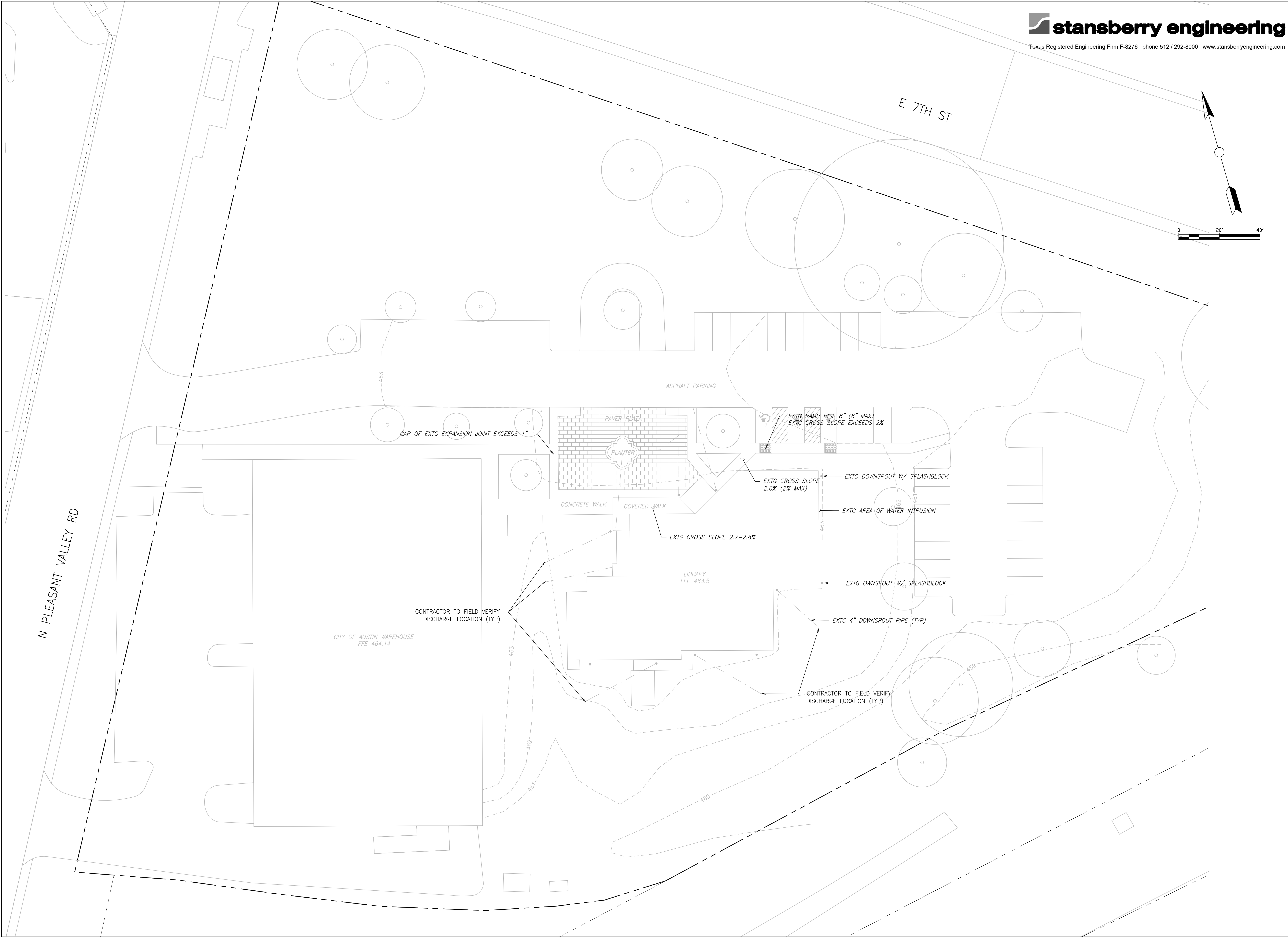
- REMOVAL OF EXCAVATED MATERIALS AND DAILY CLEANUP OPERATIONS SHALL BE PERFORMED TO THE SPECIFICATIONS AND TO THE SATISFACTION OF THE OWNER AND ENGINEER.
- CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A SAFE, NEAT AND WORKMANLIKE MANNER AT ALL TIMES. JOB SITE SAFETY SHALL NOT BE COMPROMISED. ANY UNATTRACTIVE NUISANCE SHALL BE REMOVED OR CAMOUFLAGED BY CONTRACTOR WHEN DIRECTED BY THE OWNER OR ENGINEER.
- ALL UNATTENDED TRENCHES MUST BE ADEQUATELY PROTECTED TO PREVENT INJURY TO PEDESTRIANS AND VEHICULAR TRAFFIC.
- BARRICADES, FENCING, LIGHTS, AND/OR OTHER PROTECTIVE DEVICES SHALL ADEQUATELY PROTECT ALL HOLES, TRENCHES, AND OTHER HAZARDOUS AREAS AT ALL TIMES.
- ALL CONSTRUCTION AND TRENCHING OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). COPIES OF OSHA STANDARDS MAY BE PURCHASED FROM THE U.S. GOVERNMENT PRINTING OFFICE.

**AMERICANS WITH DISABILITIES ACT**

THE CITY OF AUSTIN HAS REVIEWED THIS PLAN FOR COMPLIANCE WITH CITY DEVELOPMENT REGULATIONS ONLY. THE APPLICANT, PROPERTY OWNER, AND OCCUPANT OF THE PREMISES ARE RESPONSIBLE FOR DETERMINING WHETHER THE PLAN COMPLIES WITH ALL OTHER LAWS, REGULATIONS, AND RESTRICTIONS WHICH MAY BE APPLICABLE TO THE PROPERTY AND ITS USE.

**ACCESSIBILITY**

- RUNNING SLOPES ON ACCESSIBLE ROUTES MAY NOT EXCEED 1:20 (5%) UNLESS DESIGNED AS A RAMP.
- THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION IS 1:12 (0.833%). THE MAXIMUM RISE FOR ANY RAMP RUN IS 30 IN.
- ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN 1:50 (2%).
- GROUND SURFACES ALONG ACCESSIBLE ROUTES MUST BE STABLE, FIRM, AND SLIP RESISTANT.



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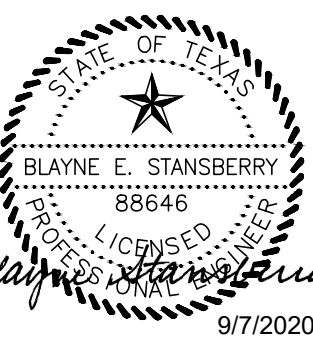


LEGEND

- SF — SF — SILT FENCE  
TP — TP — TREE PROTECTION FENCING  
--- 605 --- EXSTING CONTOUR  
○ TREE  
TEMPORARY SPOILS STORAGE /CONSTRUCTION STAGING  
DEMOLITION AREA

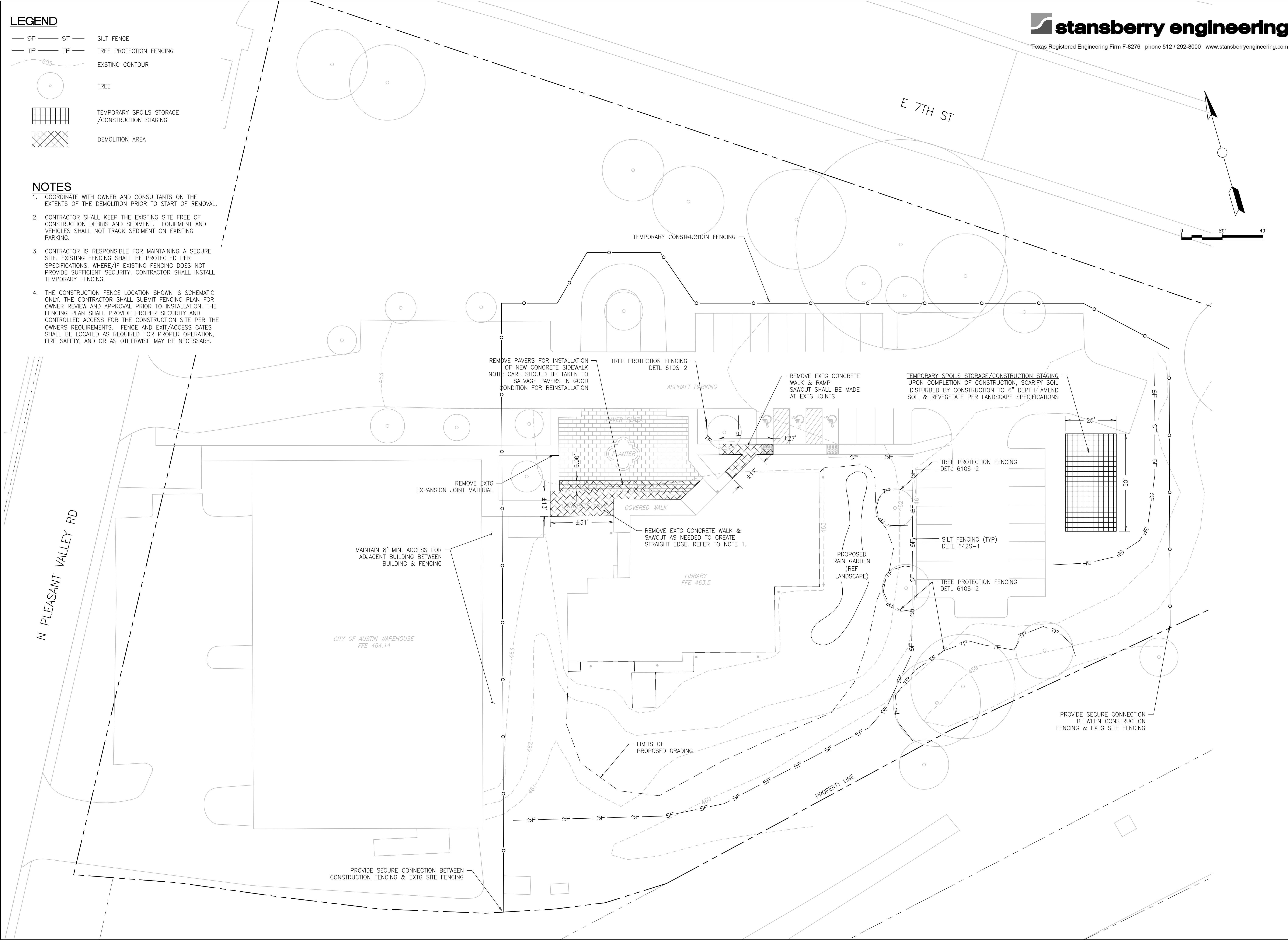
NOTES

1. COORDINATE WITH OWNER AND CONSULTANTS ON THE EXTENTS OF THE DEMOLITION PRIOR TO START OF REMOVAL.
2. CONTRACTOR SHALL KEEP THE EXISTING SITE FREE OF CONSTRUCTION DEBRIS AND SEDIMENT. EQUIPMENT AND VEHICLES SHALL NOT TRACK SEDIMENT ON EXISTING PARKING.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A SECURE SITE. EXISTING FENCING SHALL BE PROTECTED PER SPECIFICATIONS. WHERE/IF EXISTING FENCING DOES NOT PROVIDE SUFFICIENT SECURITY, CONTRACTOR SHALL INSTALL TEMPORARY FENCING.
4. THE CONSTRUCTION FENCE LOCATION SHOWN IS SCHEMATIC ONLY. THE CONTRACTOR SHALL SUBMIT FENCING PLAN FOR OWNER REVIEW AND APPROVAL PRIOR TO INSTALLATION. THE FENCING PLAN SHALL PROVIDE PROPER SECURITY AND CONTROLLED ACCESS FOR THE CONSTRUCTION SITE PER THE OWNERS REQUIREMENTS. FENCE AND EXIT/ACCESS GATES SHALL BE LOCATED AS REQUIRED FOR PROPER OPERATION, FIRE SAFETY, AND OR AS OTHERWISE MAY BE NECESSARY.

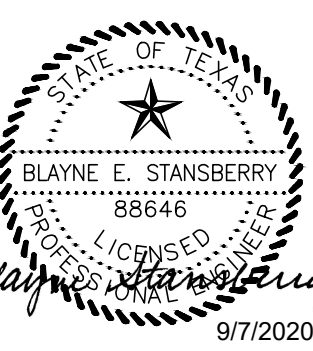


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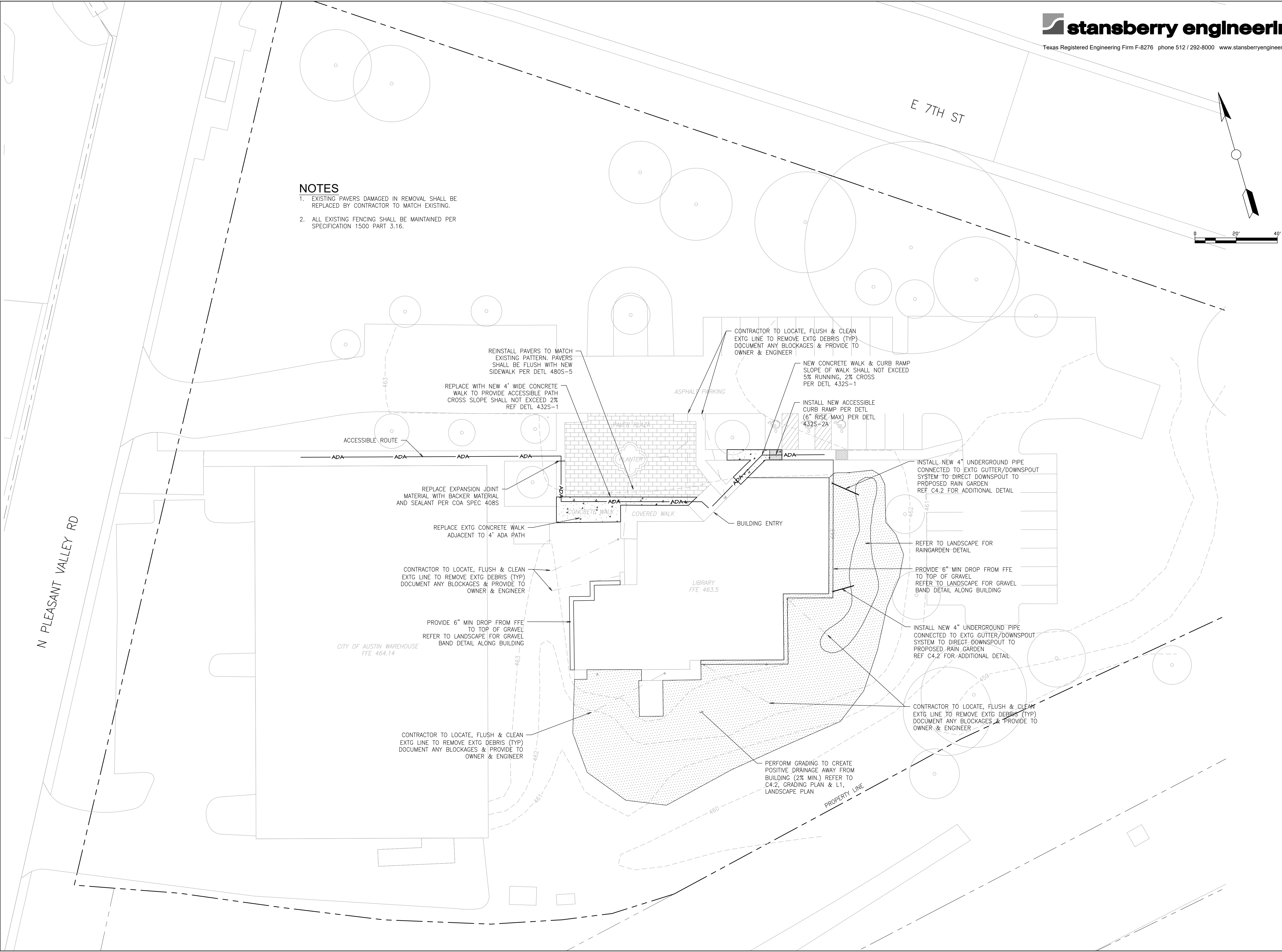


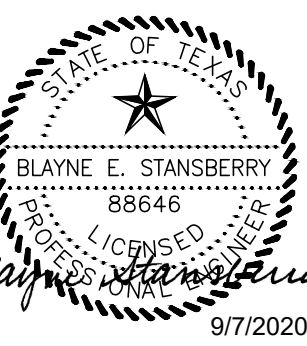
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CITY OF AUSTIN  
**CEPEDA LIBRARY RENOVATIONS**  
651 N PLEASANT VALLEY RD  
AUSTIN, TEXAS 78702

SITE PLAN  
**C3.0**  
SHEET NO. 5 of 36





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ISSUE DATE 09/07/2020

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CITY OF AUSTIN  
**CEPEDA  
LIBRARY  
RENOVATIONS**

651 N PLEASANT VALLEY RD  
AUSTIN, TEXAS 78702

FRONT GRADING PLAN

**C4.1**

SHEET NO. 6 of 36

**NOTE**

- EXISTING PAVERS DAMAGED IN REMOVAL SHALL BE REPLACED BY CONTRACTOR TO MATCH EXISTING.
- INTEGRATE ALL NEW WORK WITH EXISTING WORK TO PROVIDE FINISHED, FLUSH, SEAMLESS, AND TAS COMPLIANT RESULTS, TYP.
- REVIEW WORK WITH CONSULTANT AND OWNER PRIOR TO CONSTRUCTION.
- REFER TO C4.2 FOR REAR GRADING PLAN.

EXTG 4" PVC DOWNSPOUT PIPES  
REFER TO SHEET C3.0

0 5' 10'

CONCRETE FLUSH  
WITH EXTG

5% MAX  
→

ELEV:8.2"

2% MAX  
→

ELEV:6"

ELEV:0"

INSTALL NEW CURB RAMP  
PER DETL 432S-2A

INSTALL NEW CONCRETE WALKWAY  
2% MAX CROSS SLOPE  
PER DETL 432S-1

CONCRETE FLUSH  
WITH EXTG

MATCH EXTG TO PROVIDE  
FLUSH CONNECTION

NEW CONCRETE TO BE FLUSH  
WITH EXTG FOUNDATION (TYP)  
DOWEL TO EXTG FOUNDATION  
PER DETL 432S-1 (TYP)

COVERED WALK

MATCH EXTG TO PROVIDE  
FLUSH CONNECTION

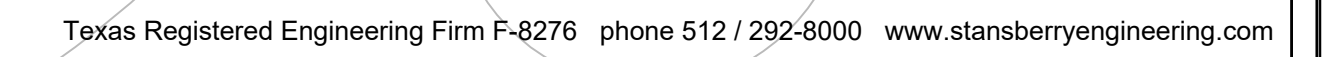
CONCRETE WALK  
SLOPE SHALL NOT EXCEED  
2% IN ANY DIRECTION  
DETL 432S-1

NEW CONCRETE TO BE  
FLUSH WITH EXTG WALK

REMOVE AND REINSTALL PAVERS TO BE FLUSH WITH  
EDGE OF NEW CONCRETE. INSTALL PER DETL 480S-5  
PAVERS SHALL BE INSTALLED TO INTEGRATE  
SEAMLESSLY/FLUSH WITH EXTG PAVERS.  
CONTRACTOR SHALL FIELD VERIFY MEASUREMENT TO  
ENSURE MAX 4% SLOPE & VERIFY FIT.  
IF CUTTING IS REQUIRED, THE CUT EDGE SHALL BE  
PLACED ALONG NEW CONCRETE EDGE.

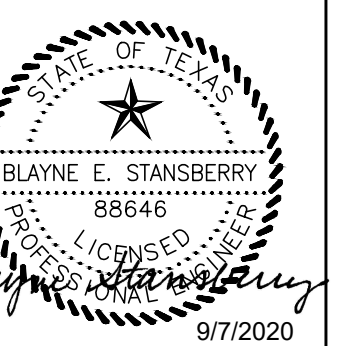
LIBRARY  
FFE 463.5

463



101 EM FRANKLIN AVE  
JUSTIN, TEXAS 78723  
512.445.0444

**CEPEDA LIBRARY RENOVATIONS**  
651 NORTH PLEASANT VALLEY ROAD  
AUSTIN, TEXAS 78702



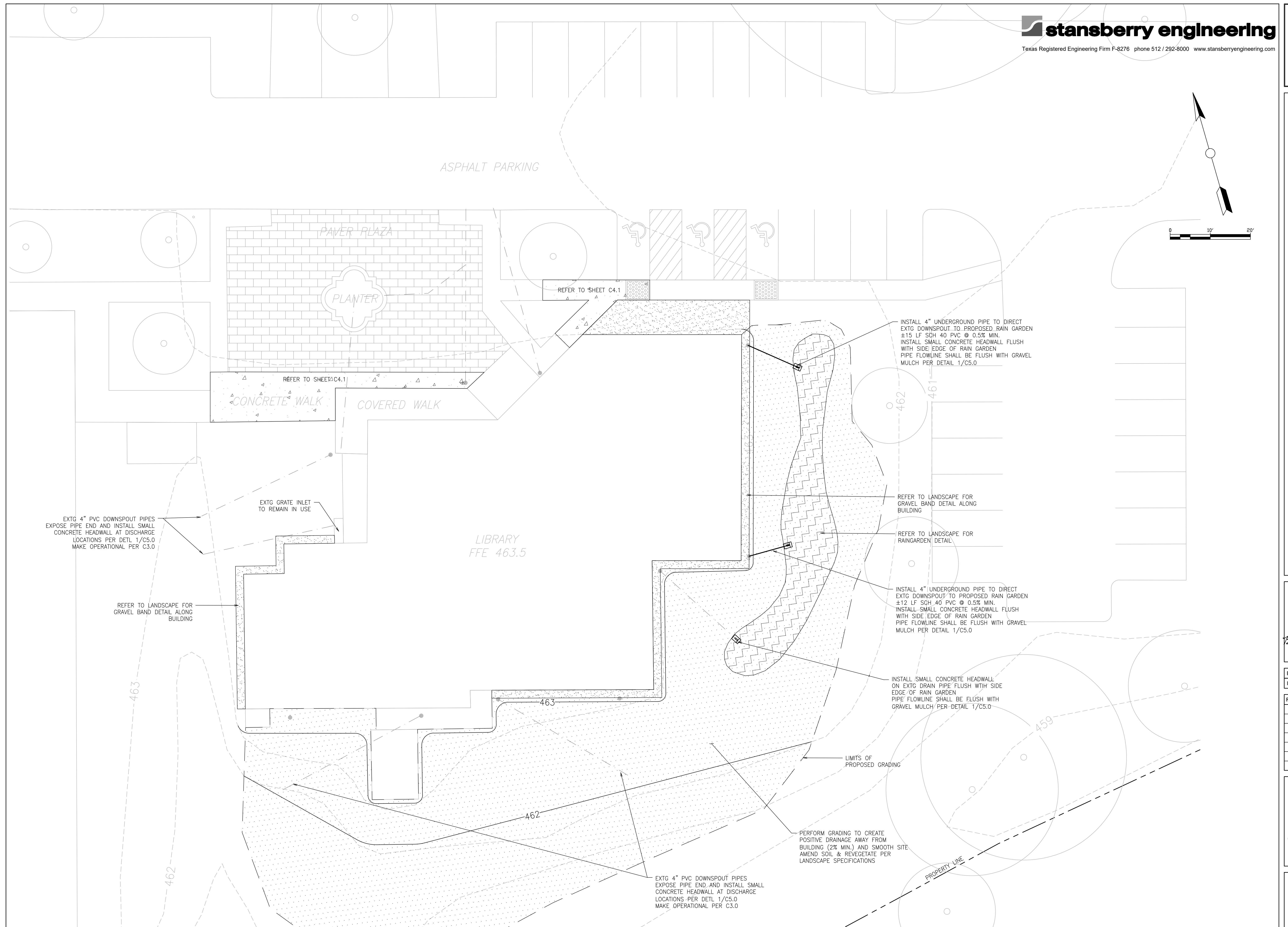
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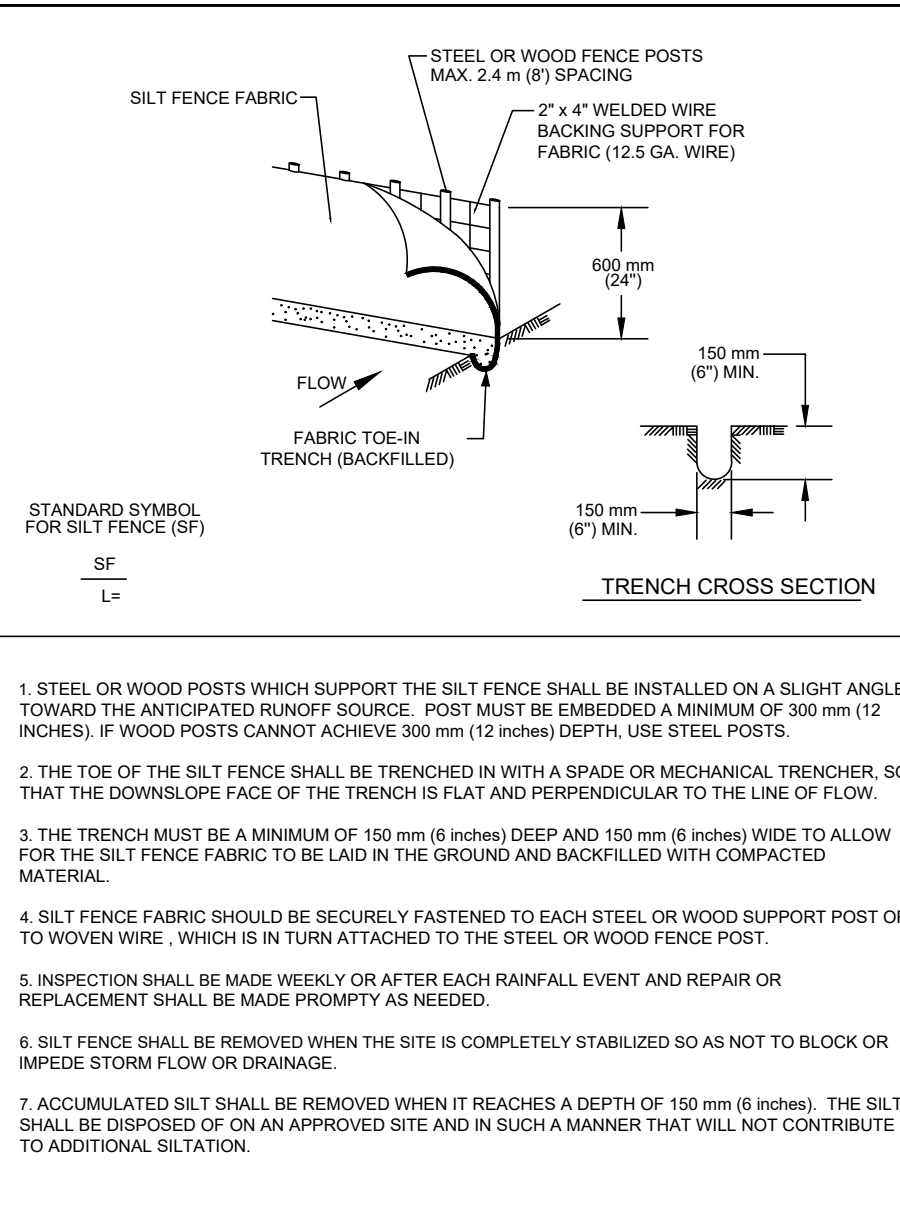
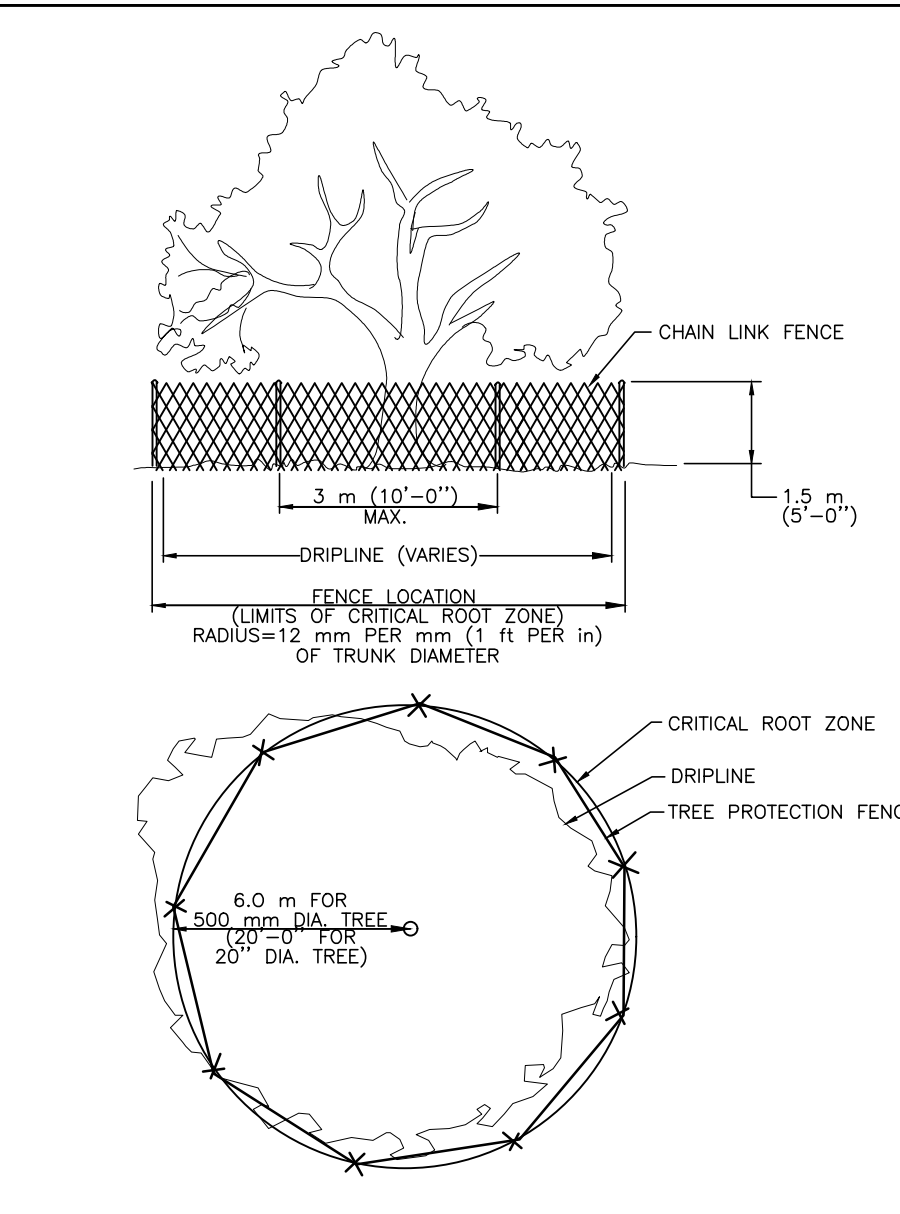
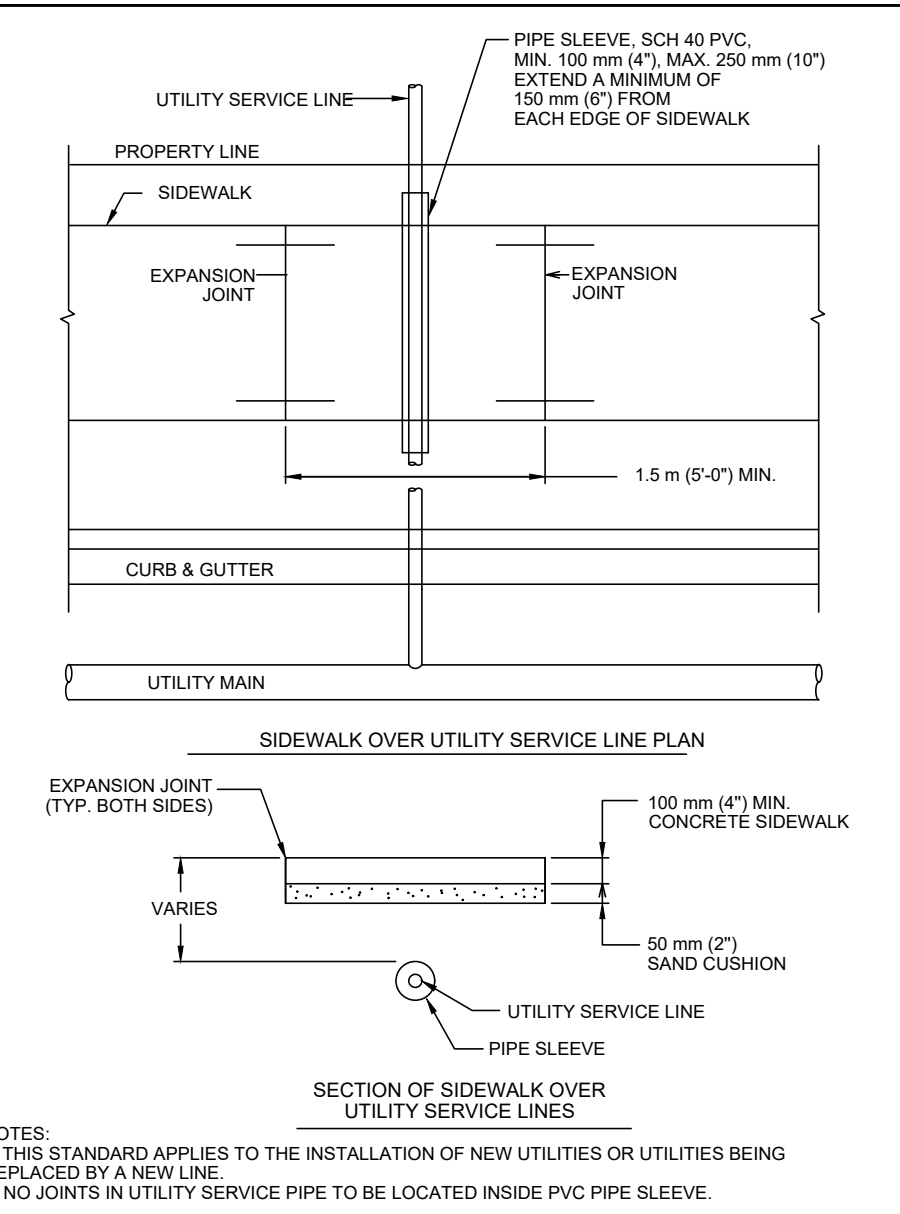
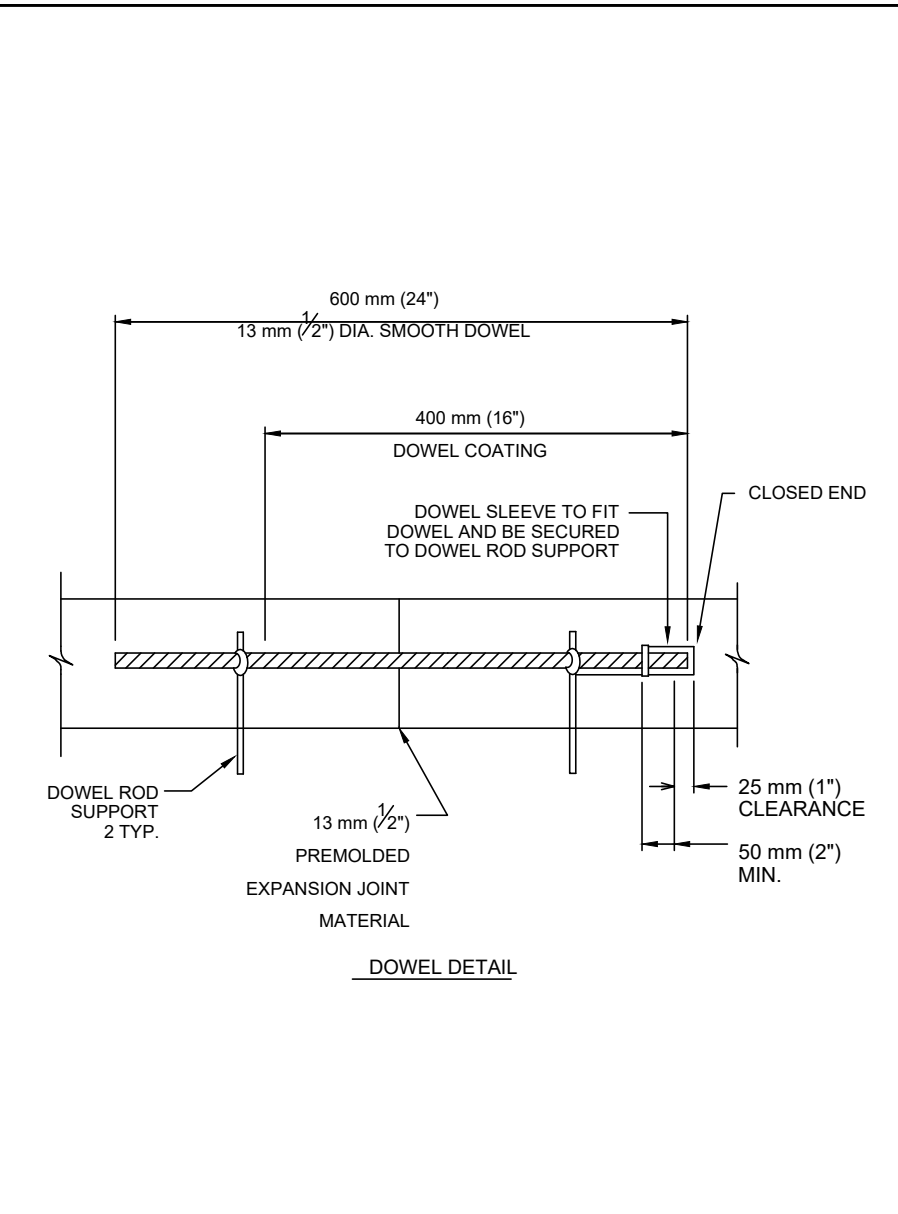
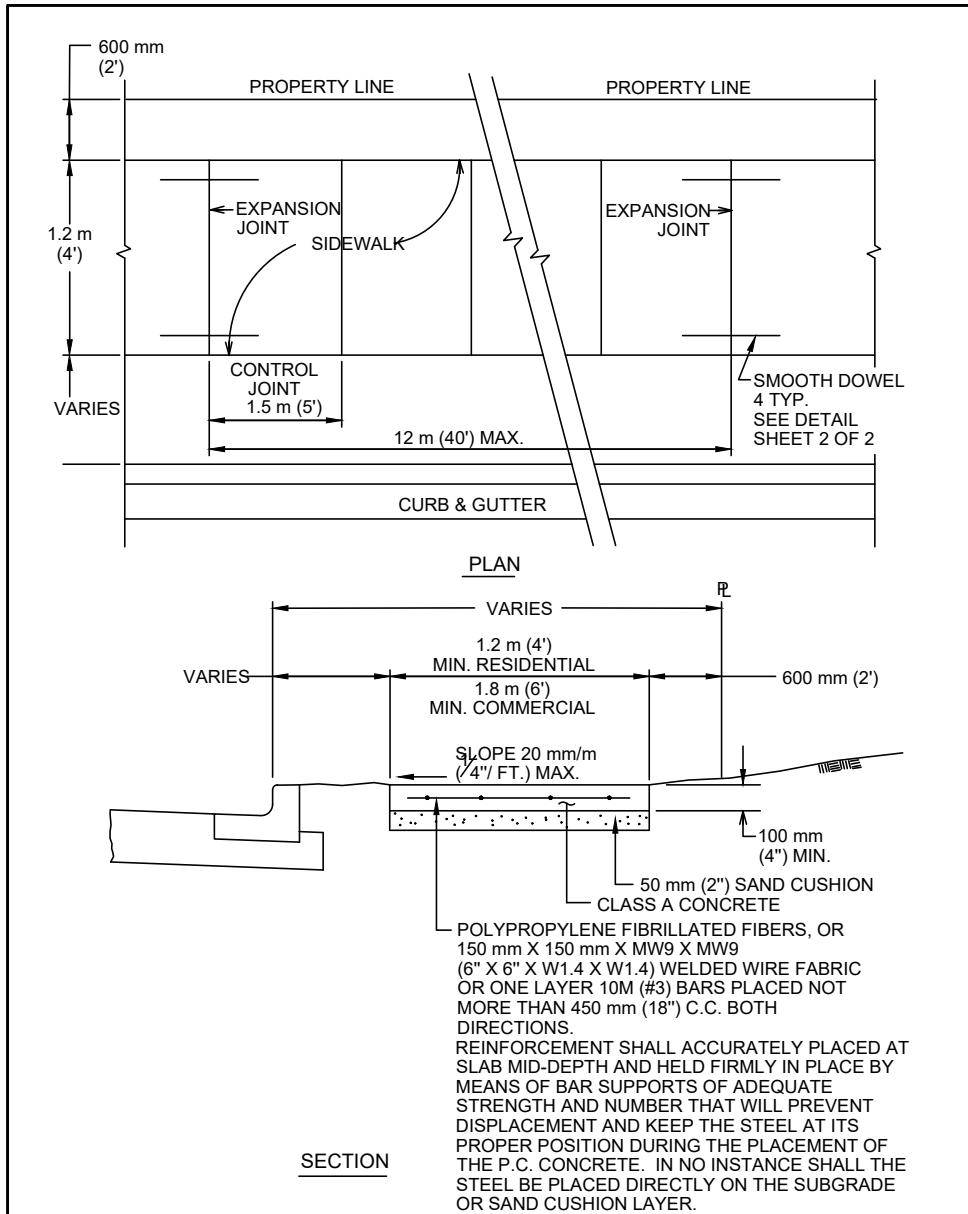
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AUSTIN, TEXAS 78702

## 4.2

SHEET NO. 7 OF 36







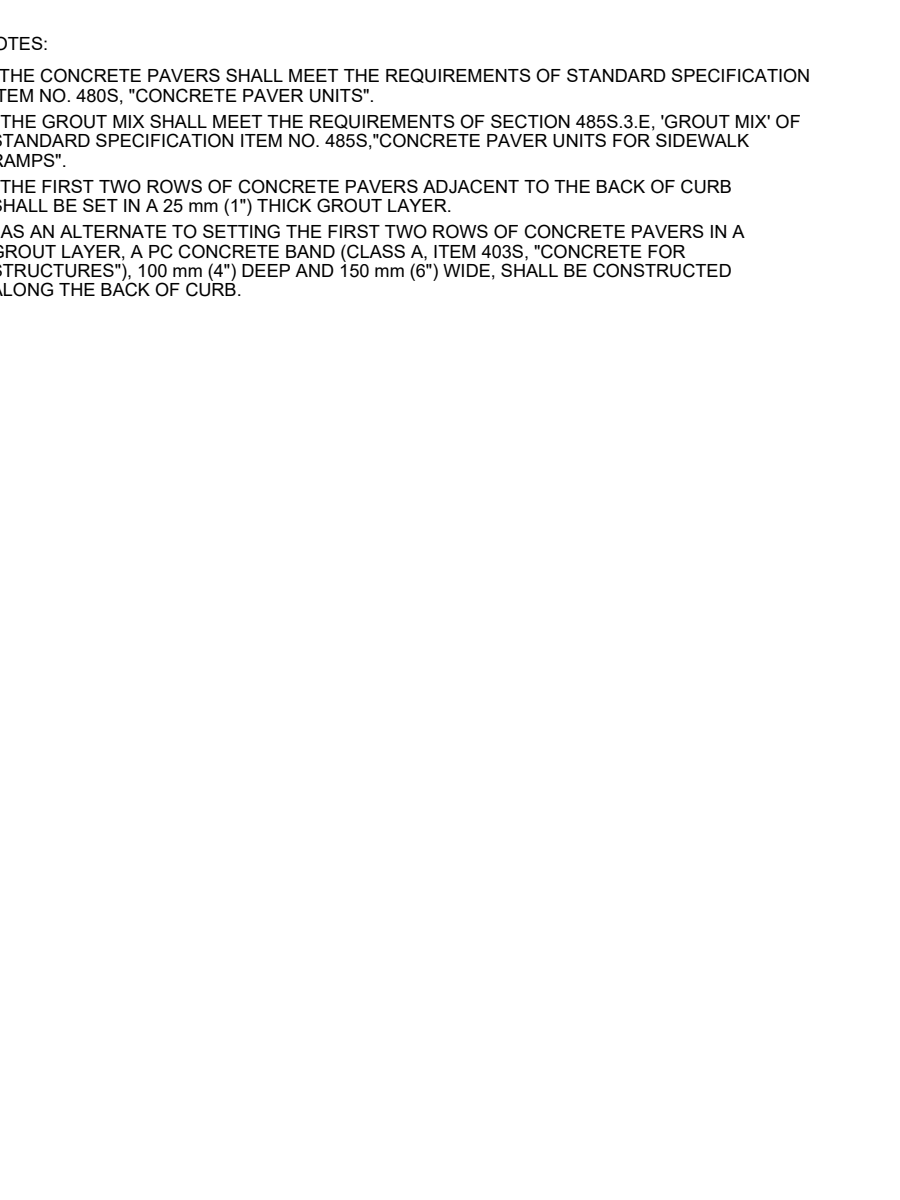
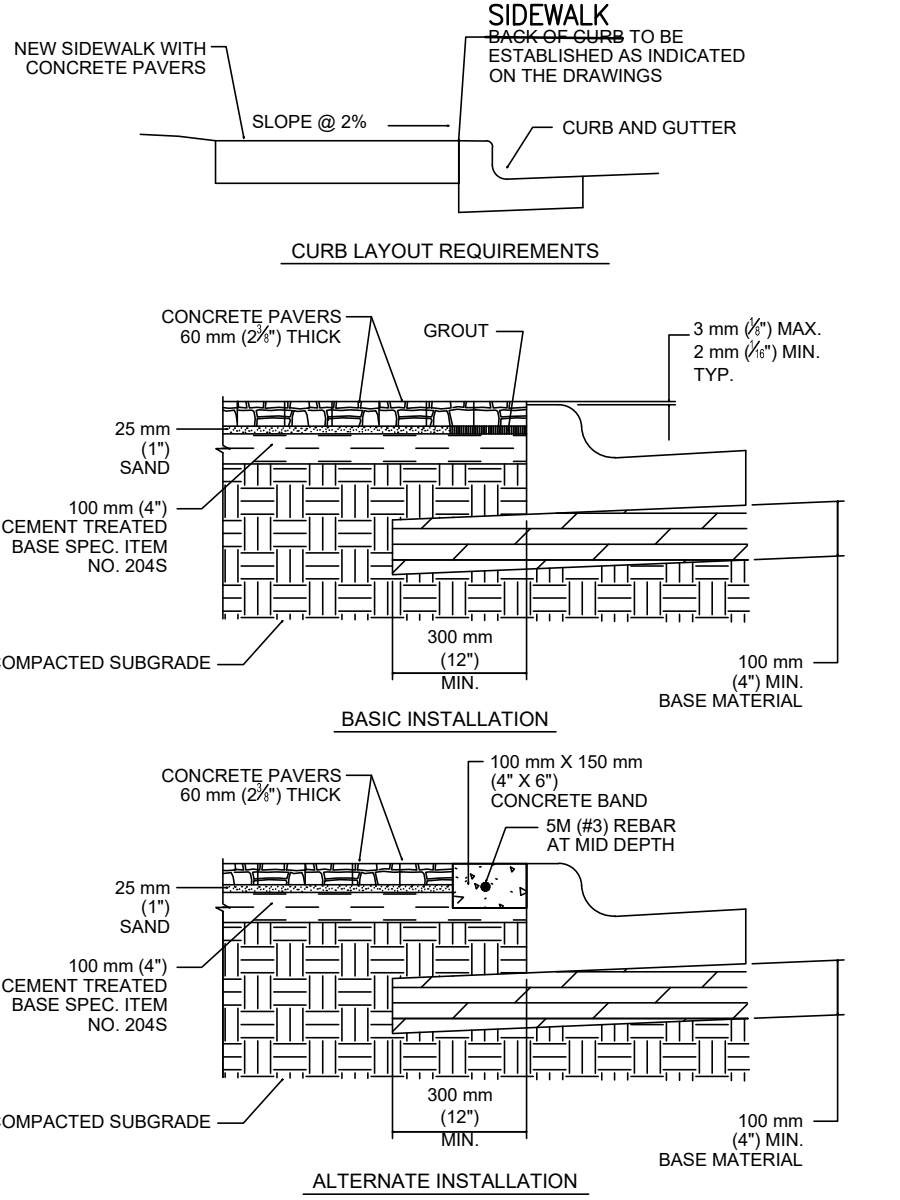
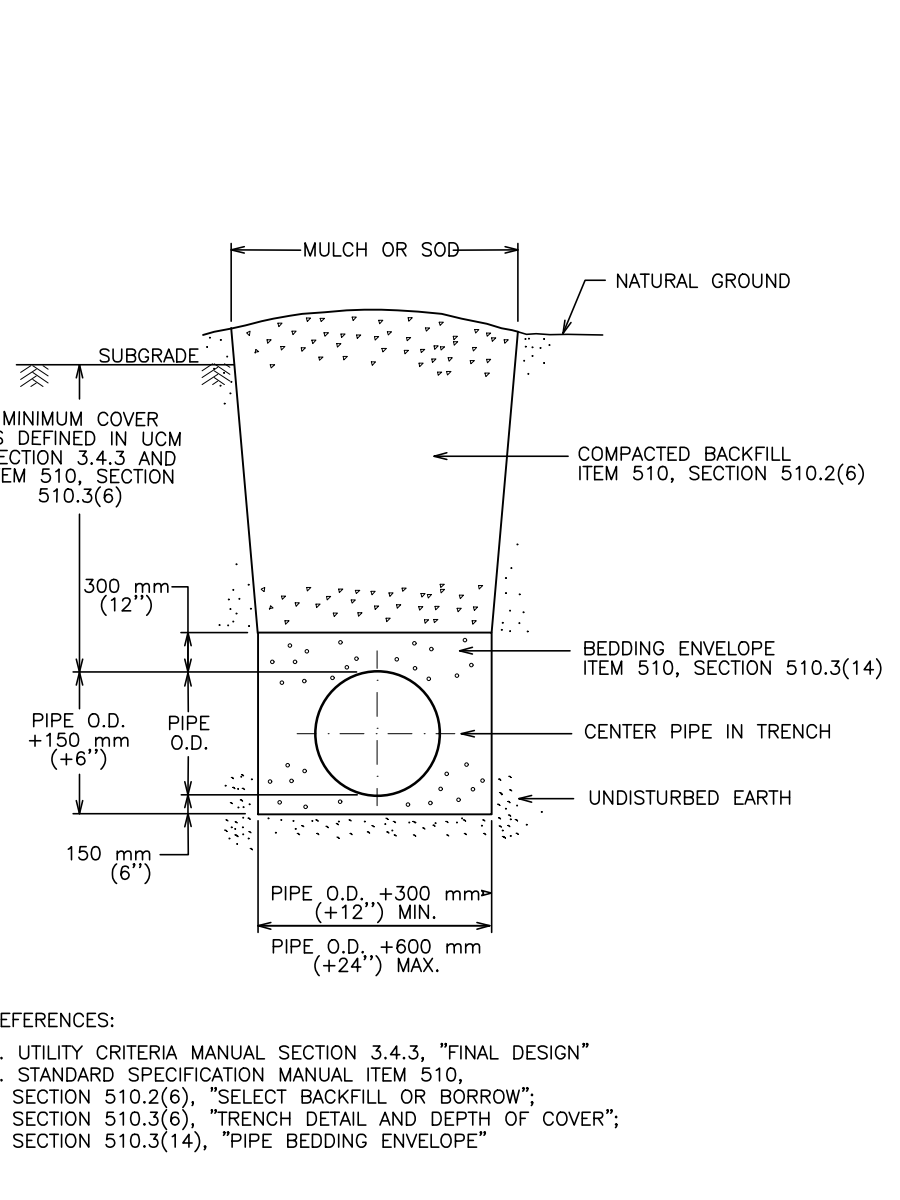
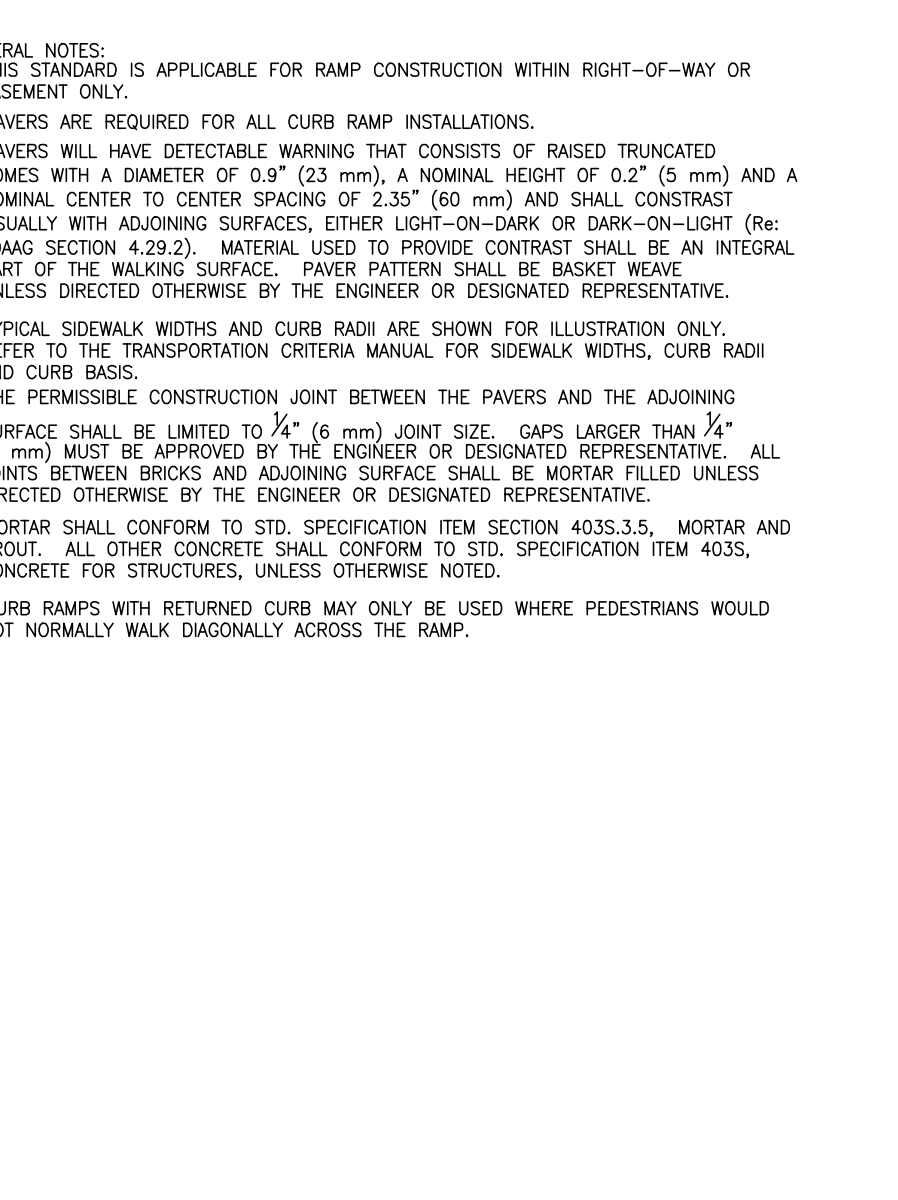
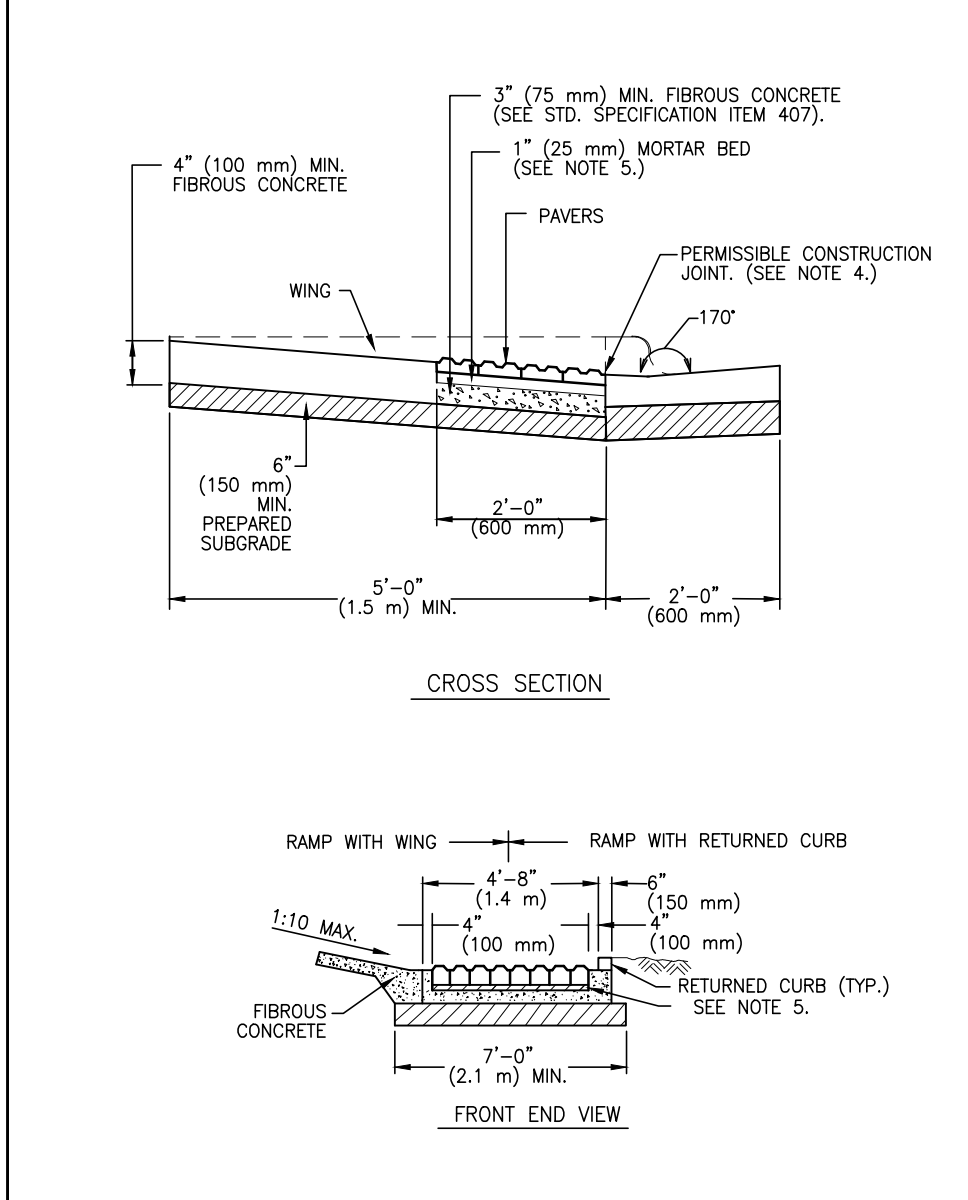
CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	SIDEWALK
RECORD COPY SIGNED BY BILL GARDNER	03/26/08
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	ADOPTED

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	SIDEWALK
RECORD COPY SIGNED BY BILL GARDNER	03/26/08
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	ADOPTED

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	SIDEWALK
RECORD COPY SIGNED BY BILL GARDNER	03/26/08
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	ADOPTED

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	TREE PROTECTION FENCE TYPE A - CHAIN LINK
RECORD COPY SIGNED BY J. PATRICK MURPHY	11/15/99
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	ADOPTED

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	SILT FENCE
RECORD COPY SIGNED BY MORGAN BYARS	08/01/2011
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	ADOPTED



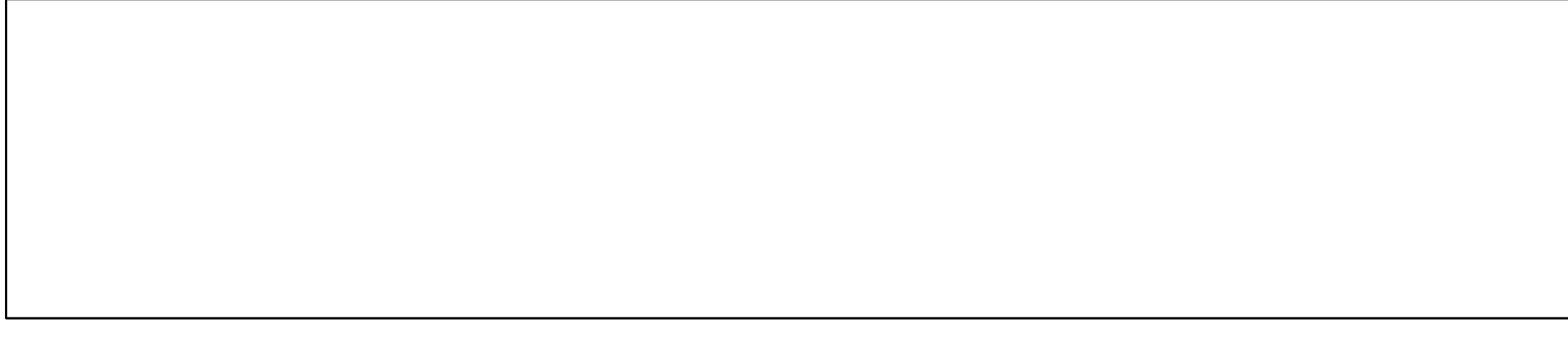
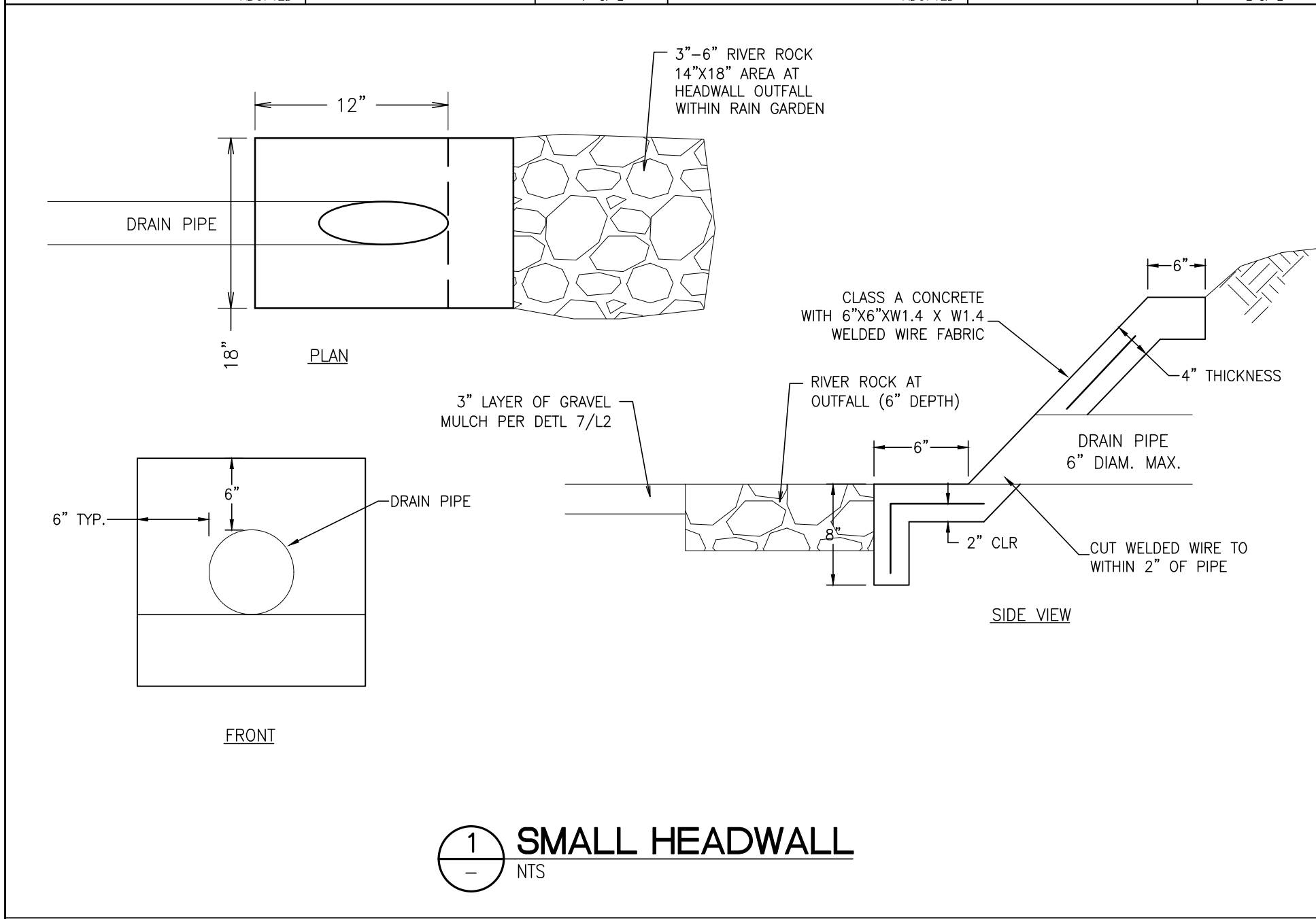
CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	DETECTABLE WARNING-PAVER (CITY PROPERTY/EASEMENTS)
RECORD COPY SIGNED BY BILL GARDNER	06/21/07
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	ADOPTED

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	DETECTABLE WARNING-PAVER (CITY PROPERTY/EASEMENTS)
RECORD COPY SIGNED BY BILL GARDNER	06/21/07
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	ADOPTED

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	TYPICAL TRENCH DETAIL WITH UNFINISHED SURFACE
RECORD COPY SIGNED BY BILL GARDNER	03/13/06
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	ADOPTED

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	SIDEWALK PAVER INSTALLATION- PAVERS ALONG BACK OF CURB
RECORD COPY SIGNED BY BILL GARDNER	9/14/05
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	ADOPTED

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	SIDEWALK PAVER INSTALLATION- PAVERS ALONG BACK OF CURB
RECORD COPY SIGNED BY BILL GARDNER	9/14/05
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	ADOPTED



**STANLEY-SALAIZ**  
JOINT VENTURE

1901 EM FRANKLIN AVE  
AUSTIN, TEXAS 78723  
512.445.0444

**CEPEDA LIBRARY RENOVATIONS**  
651 NORTH PLEASANT VALLEY ROAD  
AUSTIN, TEXAS 78702

**BLAYNE E. STANSBERRY**  
88646  
9/7/2020

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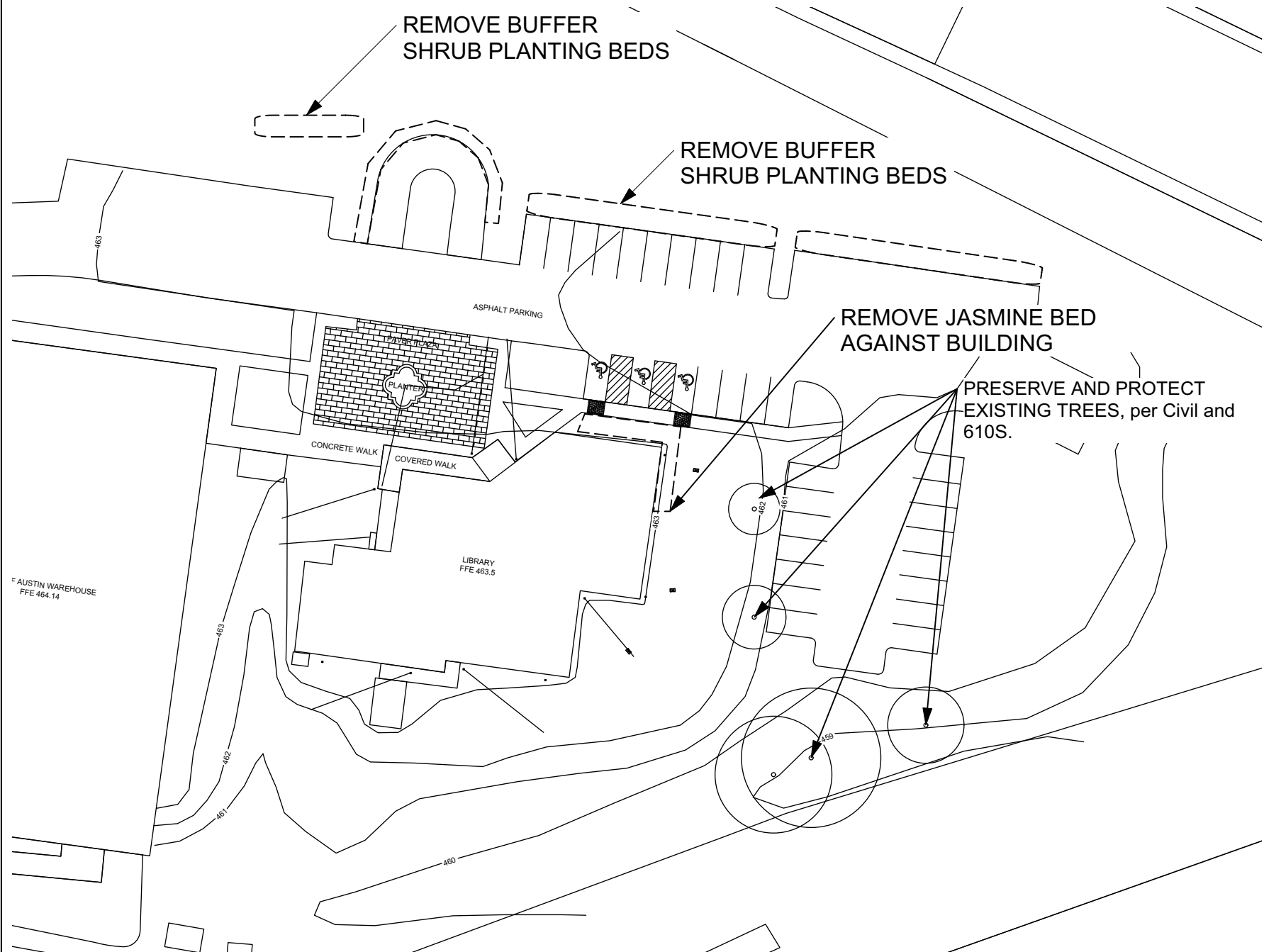
CITY OF AUSTIN  
**CEPEDA LIBRARY RENOVATIONS**  
651 N PLEASANT VALLEY RD  
AUSTIN, TEXAS 78702

CONSTRUCTION DETAILS

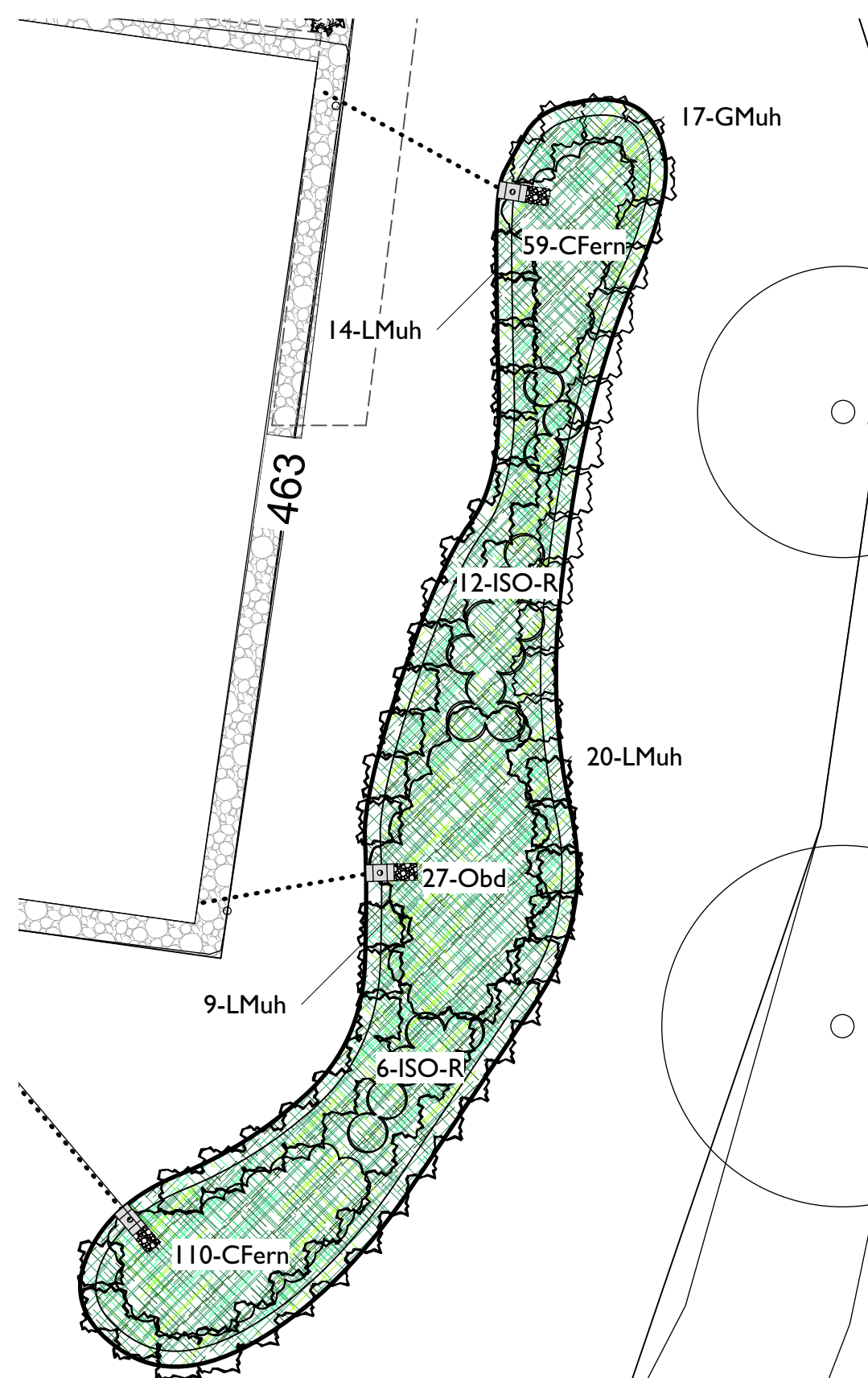
**C5.0**

SHEET NO. 8 OF 36





1 Landscape demolition plan  
Scale: 1" = 50'-0"



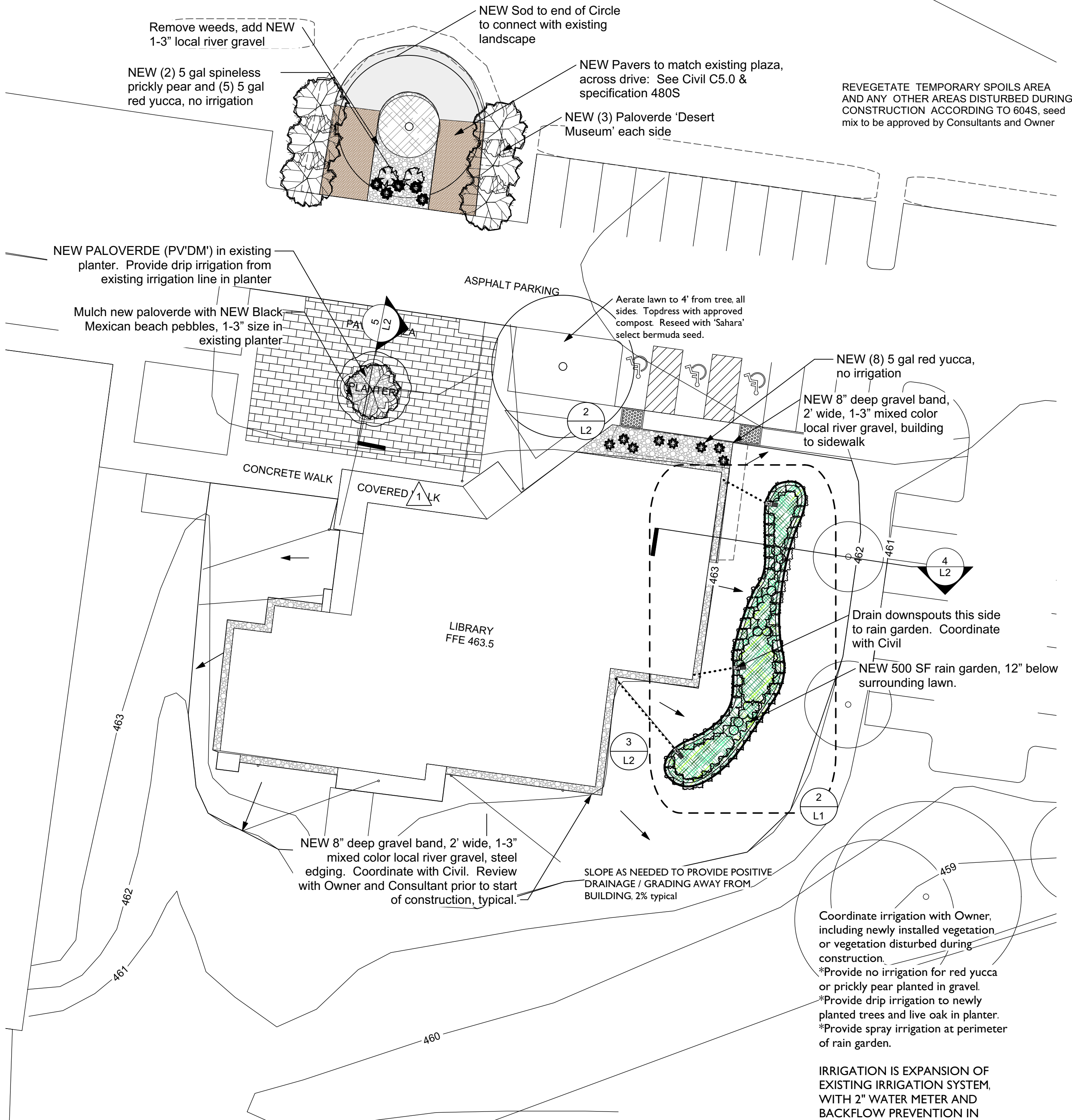
2 Rain Garden Planting Plan  
Scale: 1" = 10'-0"

NOTE:

GENERAL CONTRACTOR'S LANDSCAPE RESPONSIBILITIES include:

- removal of jasmine bed against the library building
- installation of edging and gravel against the existing library building
- soil preparation and installation of lawn
- grading of rain gardens and connection of downspouts, per Civil
- protection of existing trees, per Civil
- paving, planting and demolition work north of entry drive

- installation of plant materials in rain garden
- installation of edging for rain garden
- installation of plant materials in gravel bands
- installation of shade trees in existing plaza planter & across drive
- modification of existing irrigation system to provide water to new plantings as described in these documents



Landscape Plan  
Scale: 1" = 20'-0"

Plant List				
Commo	Common Name	Botanical Name	Qty	Scheduled Size
Trees				
PVDM	Thornless Paloverde	Cercidium 'Desert Museum'	7	2" caliper
Shrubs & Ornamental Grasses				
LMuh	Big Muhly	Muhlenbergia lindheimeri	43	1 gal
CFern	Clover Fern	Marsilia macropoda	169	1 gal
GMuh	Gulf Muhly	Muhlenbergia capillaris	17	1 gal
ISO-R	Inland Sea Oats	Chasmanthium latifolium	18	1 gal
Obd	Obedient Plant	Physostegia virginiana	27	1 gal
RYU	Red Yucca	Hesperaloe parviflora	13	5 gal
PPear	Spineless Prickly Pear	Opuntia inermis	2	5 gal
Total			296	

APPENDIX P-6

Trees will be aerated and provided nutrients prior to any Construction Activity.

As a condition of final acceptance of the site and in conformance with ECM section 3.5.4 all preserved trees within the limits of construction will be aerated and provided with supplemental nutrients per the following guidelines. Macro and MicroNutrients are required; humate / nutrient solutions with mycorrhizae components are highly recommended. These solutions are commonly utilized to provide remediation for trees affected by construction. Materials and methods are to be approved by the City Arborist (974-1876) prior to application. The owner or general contractor shall select a fertilization contractor and insure coordination with the City Arborist (974-1876).

Treatment is to commence prior to the beginning of construction activities and again after the completion of all construction. Areas to be treated include the entire critical root zone of trees as depicted on City approved plans. Trees are to be aerated by water injected into the soil (under pressure via a soil probe at 50-125 psi) or by other method as approved by WPRD. The proposed nutrient mix specifications need to be provided to and approved by the City Arborist prior to application (fax #974-3010). Applicants may also specify soil injection of Doggett X\_L Injecto 32-7-7 or equivalent at recommended rates. Construction which will be completed in less than 30 days should use materials at 1/2 recommended rates. Alternative organic fertilizer materials are acceptable when approved by the City Arborist. Within 7 days after fertilization is performed the contractor shall provide documentation of the work performed to the City Arborist, Watershed Protection and Development Review Depart PO Box 1088, Austin TX 78767. This note should be reference as item #1 in the sequence of Construction.

LANDSCAPE NOTES

1. All landscaped areas are to be protected by six-inch wheel curbs, wheelstops or other approved barriers as per ECM 2.4-7.
2. The OWNER will continuously maintain the required landscaping in accordance with LDC Section 25-2-984.
3. Existing trees to be saved shall be protected by fencing before construction begins. No equipment or materials shall be stored or operated within the fenced-in areas. Fences shall be at the drip line and completely surround the tree or cluster of trees. No burning of debris, cleaning fluids, concrete spills, etc. will be permitted within these protected areas.
4. Buffering of street yard will be accomplished through the combination of trees, shrubs, grade changes, fences, and/or vines.
5. Grade changes that do not appear on the site plans shall be brought to the attention of the Landscape Architect by the General Contractor prior to construction.
6. Trenching shall not occur within the fenced drip line of existing trees.
7. Shrub material shall not exceed 36" o/c, unless otherwise specified. Ground covers shall not exceed 18" o/c, unless otherwise specified.
8. Between March 16 and October 14, hydromulch shall be 'Sahara' Bermuda unless otherwise specified. Between October 15 and March 15, hydromulch shall be Annual or perennial rye, with a spring hydromulch application of 'Sahara' Bermuda, unless otherwise specified.
9. Steel edging or other edging as specified in the landscape plans shall be placed at all groundcover beds that are adjacent to lawns.
10. Not more than 50% of the trees and shrubs proposed are of the same species.
11. An automatic irrigation system shall be installed.
12. If establishing vegetation during any stage of a drought, Section 6-4-30 may require a variance. Contact Austin Water Conservation staff at watersecompvar@austintexas.gov or call (512) 974-2199.
13. The irrigation shall comply with City Code Chapter 6-4, Article 2, Division 2 regarding the City's water conservation restrictions.

APPENDIX O LANDSCAPE / IRRIGATION NOTES

SITE DEVELOPMENT PERMIT - IRRIGATION NOTES  
Automatic irrigation systems shall comply with TCEQ Chapter 344, as well as the following requirements:

1. These requirements shall be noted on the Site Development Permit and shall be implemented as part of the landscape inspection:
  - a. the system must provide a moisture level adequate to sustain growth of the plant materials;
  - b. the system does not include spray irrigation on areas less than ten (10) feet wide (such as medians, buffer strips, and parking lot islands);
  - c. circuit remote control valves have adjustable flow controls;
  - d. serviceable in-head check valves area adjacent to paved areas where elevation differences may cause low head drainage;
  - e. a master valve installed on the discharge side of the backflow preventer;
  - f. above-ground irrigation emission devices are set back at least six (6) inches from impervious surfaces;
  - g. an automatic rain shut-off device shuts off the irrigation system automatically after more than a one-half inch ( $\frac{1}{2}$ ") rainfall; and
  - h. newly planted trees shall have permanent irrigation consisting of drip or bubblers.
2. The irrigation installer shall develop and provide an as-built design plan to the City at the time the final irrigation inspection is performed;
3. The irrigation installer shall provide a report to the City on a form provided by Austin Water certifying compliance with Subsection 1. When the final plumbing inspection is performed by the City.

Carolyn Kelley, ASLA  
Landscape Architect

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512.857.1342 fax  
carolyn@ccla.net

STANLEY-  
SALAIZ  
JOINT VENTURE

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AUSTIN, TEXAS 78723  
512.445.0444

CITY OF AUSTIN  
CEPEDA LIBRARY RENOVATIONS  
651 N PLEASANT VALLEY RD  
AUSTIN, TEXAS  
78702



BID SET  
ISSUE DATE: 09.07.2020

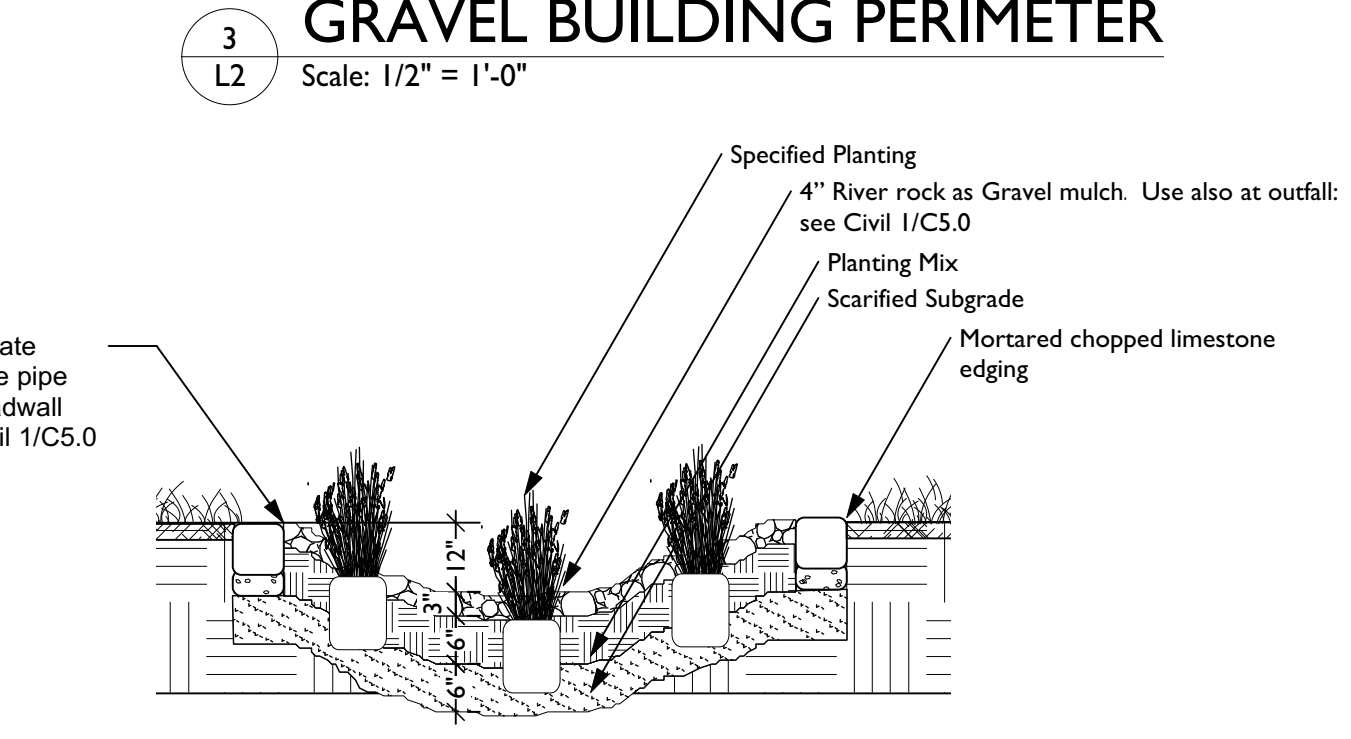
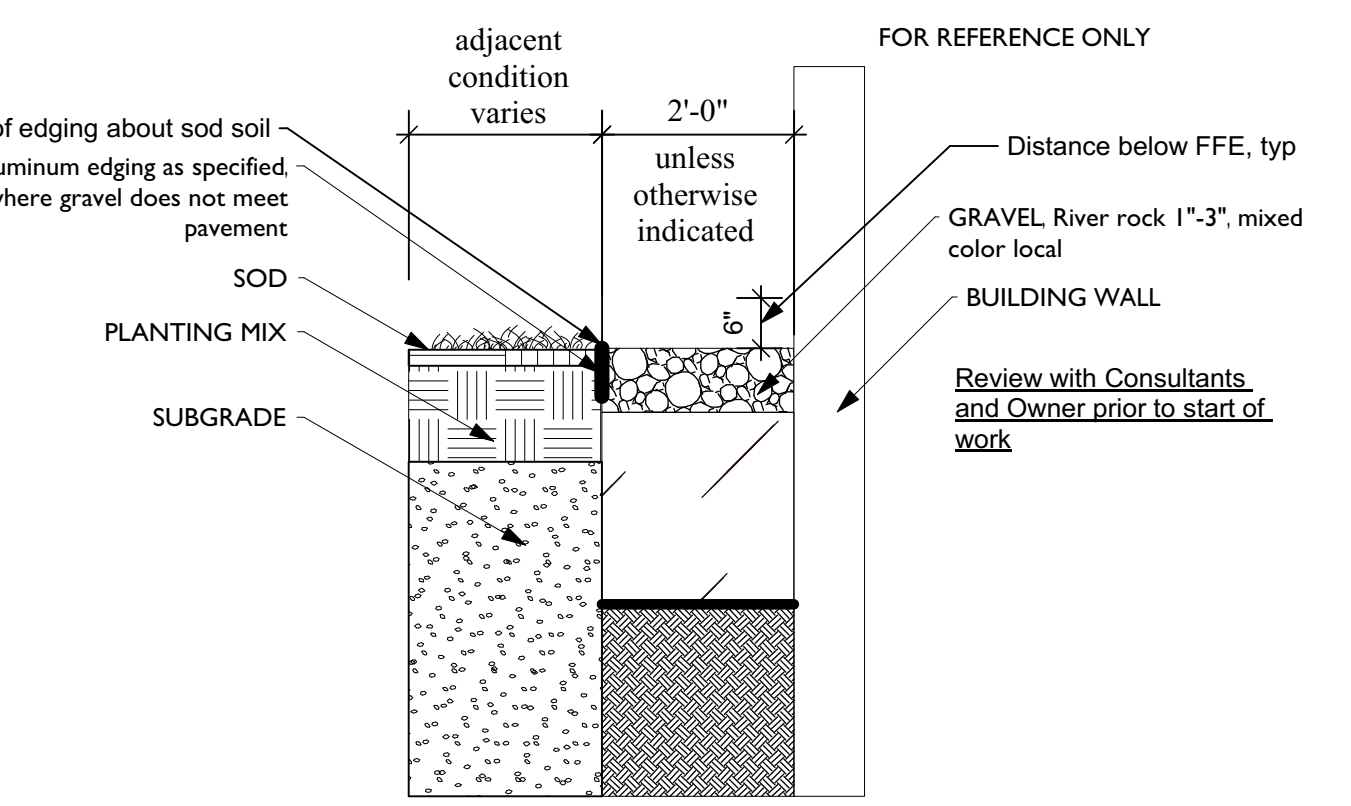
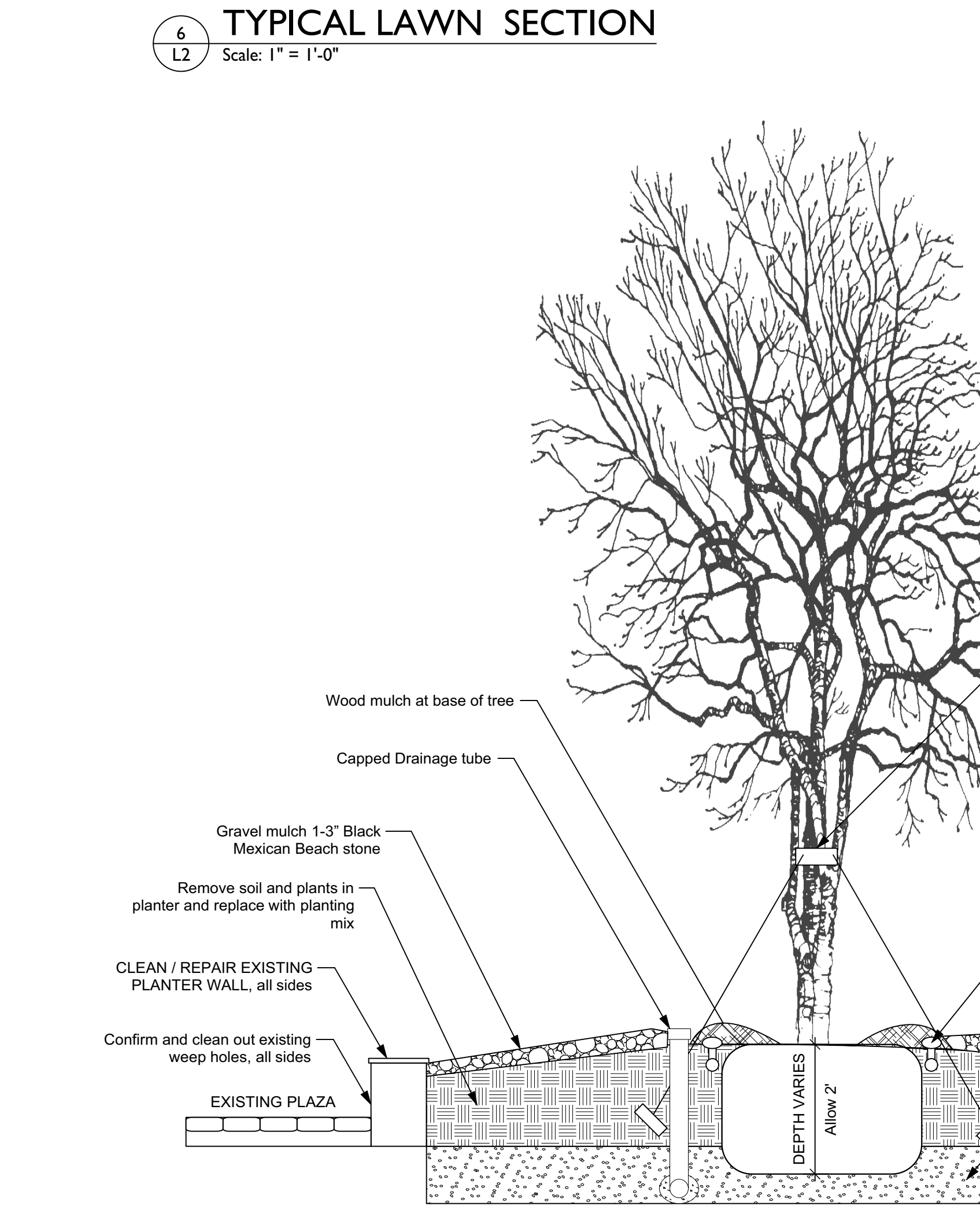
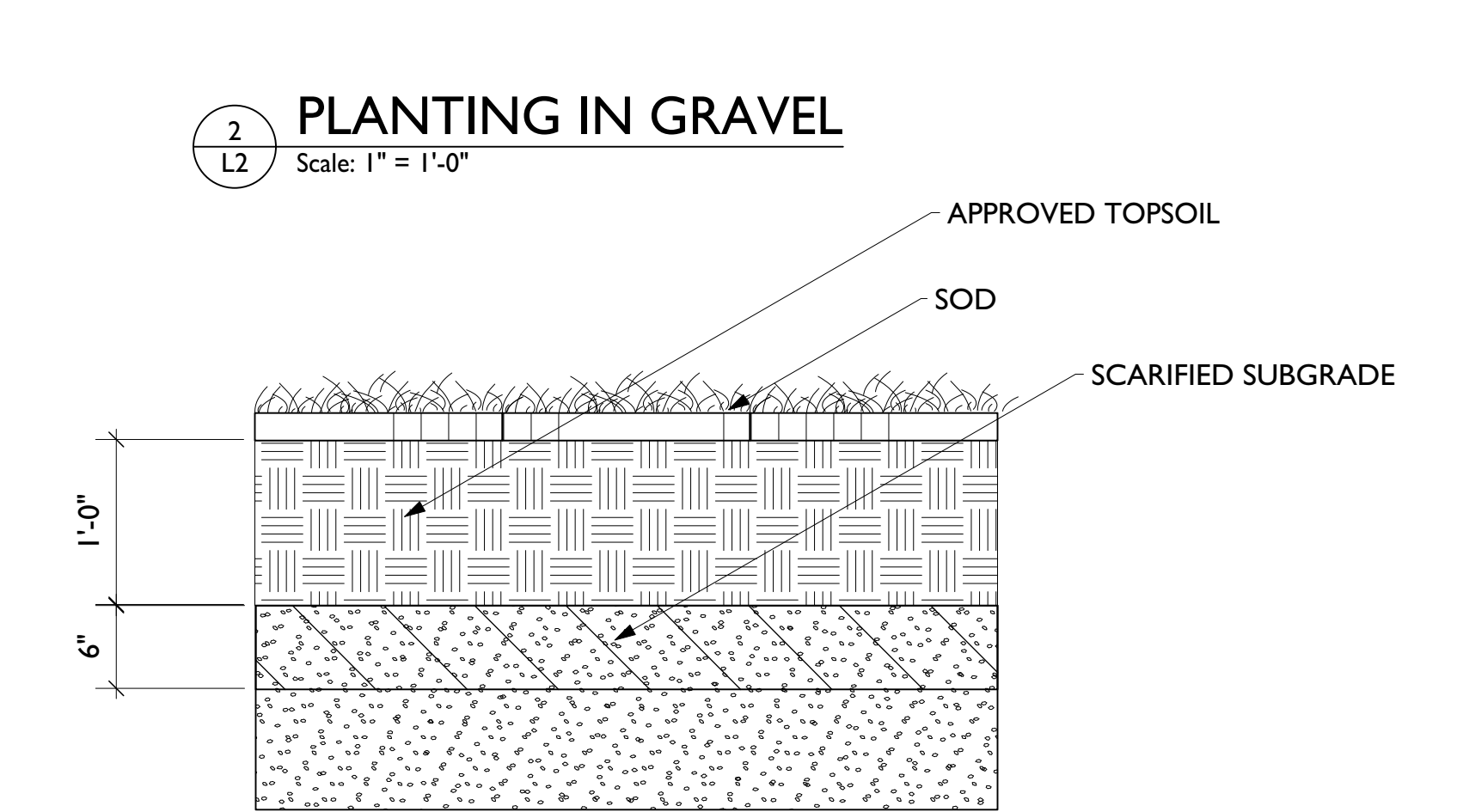
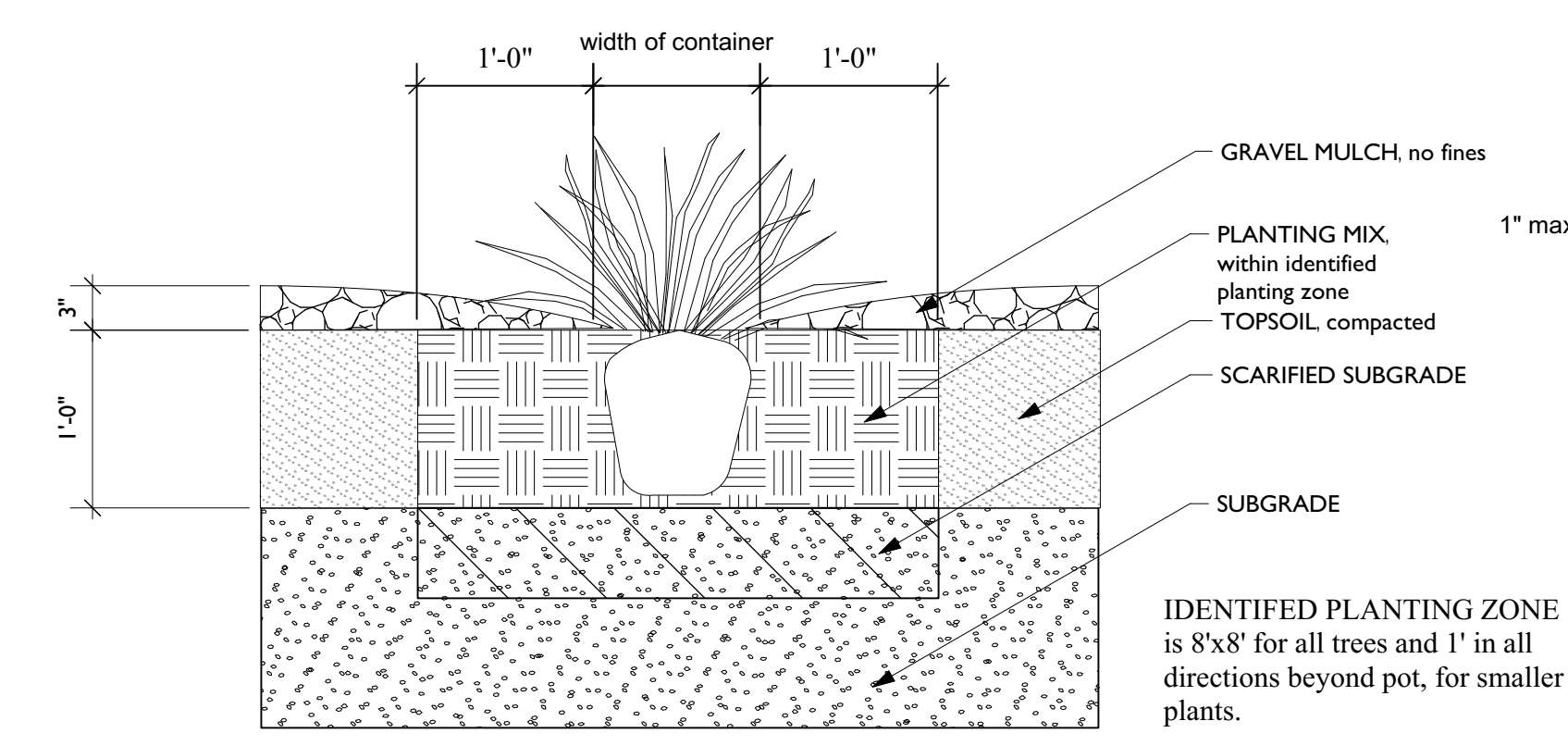
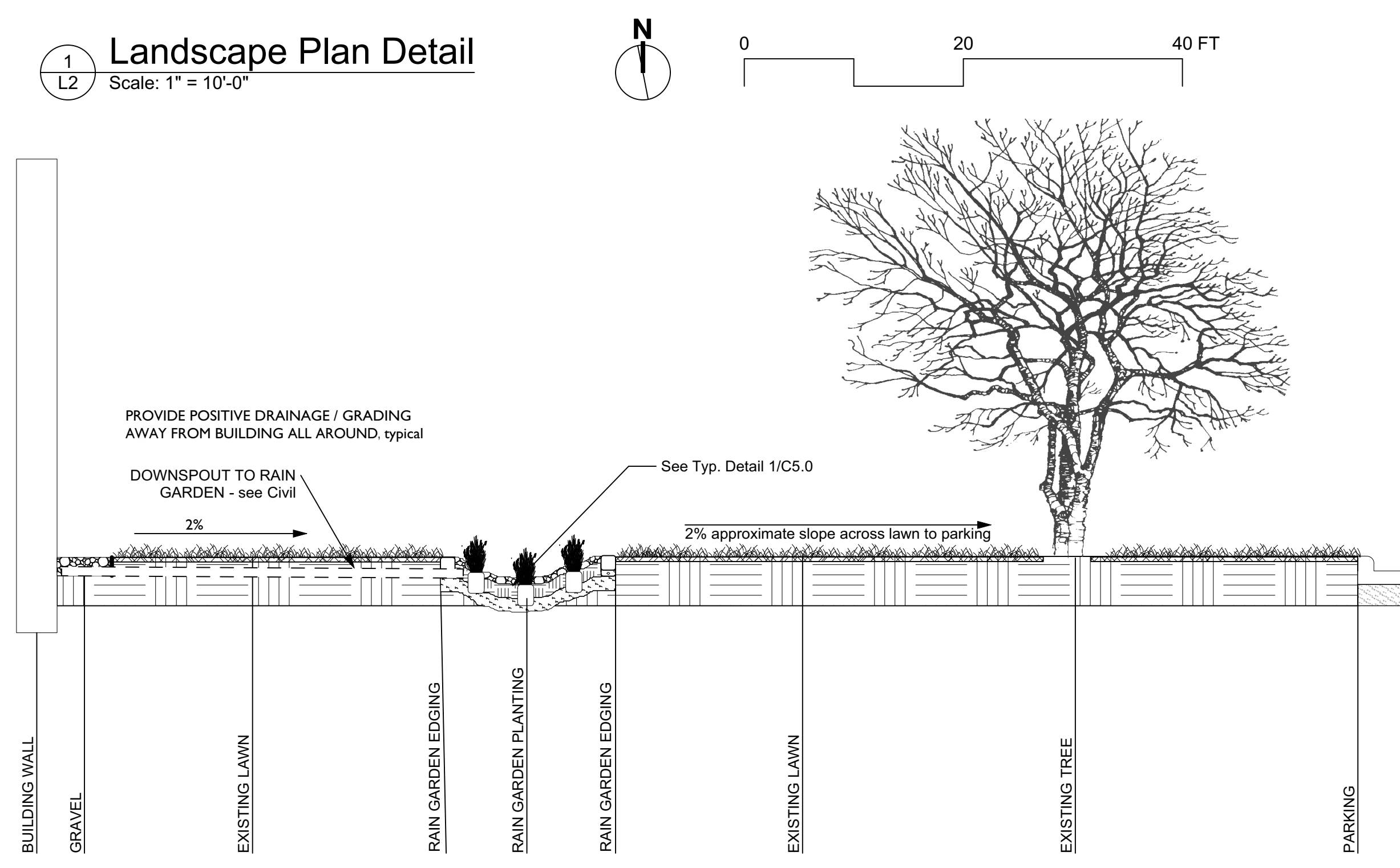
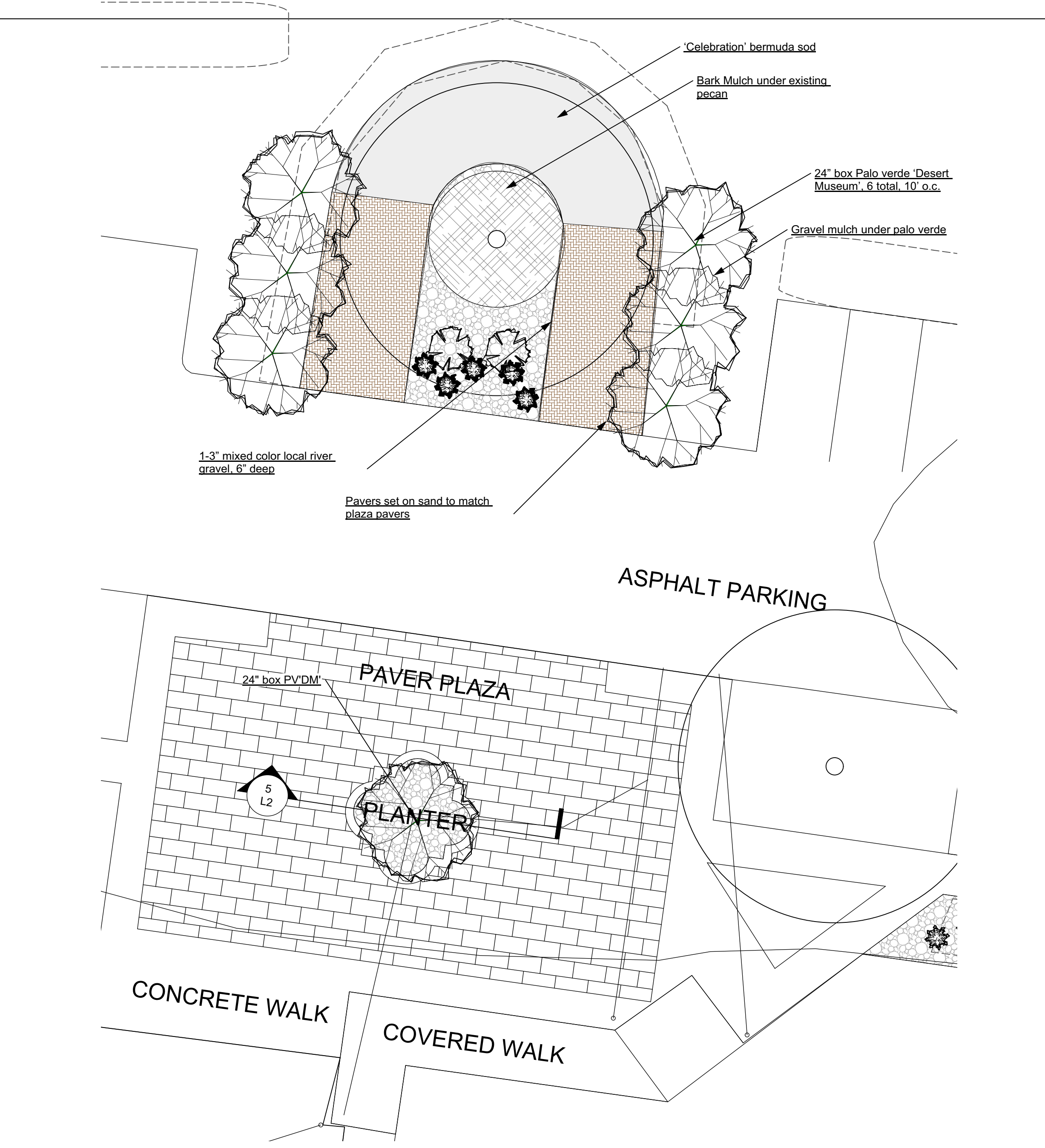
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CITY OF AUSTIN  
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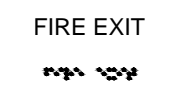


**NOTE:**  
GENERAL CONTRACTOR'S LANDSCAPE RESPONSIBILITIES include:  
-removal of jasmine bed against the library building  
-installation of edging and gravel against the existing library building  
-soil preparation and installation of lawn  
-grading of rain gardens and connection of downspouts, per Civil  
-protection of existing trees, per Civil  
-paving, planting and demolition work north of entry drive  
-installation of plant materials in rain garden  
-installation of edging for rain garden  
-installation of plant materials in gravel bands  
-installation of shade trees in existing plaza planter & across drive  
-modification of existing irrigation system to provide water to new plantings as described in these documents



PARTIAL NOTES FROM TAS (REFER ALSO TO 2012 TAS REGS, ALL APPLICABLE CODES, ETC.)

216.4.1 Exit Doors. Doors at exit passageways, exit discharge, and exit stairways shall be identified by tactile signs complying with 703.1, 703.2, and 703.5.



302.1 Floor or Ground Surfaces. Floor and ground surfaces shall be stable, firm, and slip resistant and shall comply with 302.  
302.2 Carpet. Carpet or carpet tile shall be securely attached and shall have a firm cushion, pad, or backing or no cushion or pad. Carpet or carpet tile shall have a level loop, textured loop, level cut pile, or level cut/uncut pile texture. Pile height shall be 1/2 inch (13 mm) maximum. Exposed edges of carpet shall be fastened to floor surfaces and shall have trim on the entire length of the exposed edge. Carpet edge trim shall comply with 303.  
304.3.1 Circular Space. The turning space shall be a space of 60 inches (1525 mm) diameter minimum. The space shall be permitted to include knee and toe clearance complying with 306  
304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60 inch (1525 mm) square minimum with arms and base 36 inches (915 mm) wide minimum. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each direction, and the base shall be clear of obstructions 24 inches (610 mm) minimum. The space shall be permitted to include knee and toe clearance complying with 306 only at the end of either the base or arm.

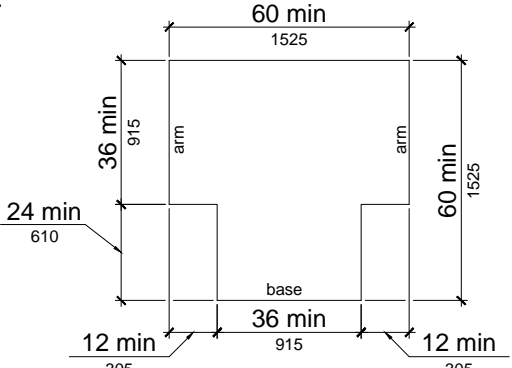


Figure 304.3.2 T-Shaped Turning Space

Figure 305.3 Clear Floor or Ground Space

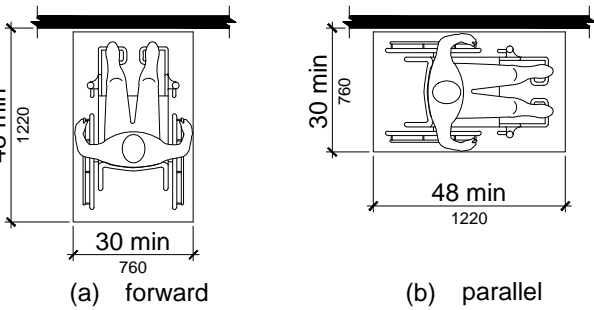


Figure 305.5 Position of Clear Floor or Ground Space

305.7.1 Forward Approach. Alcoves shall be 36 inches (915 mm) wide minimum where the depth exceeds 24 inches (610 mm).  
305.7.2 Parallel Approach. Alcoves shall be 60 inches (1525 mm) wide minimum where the depth exceeds 15 inches (380 mm).

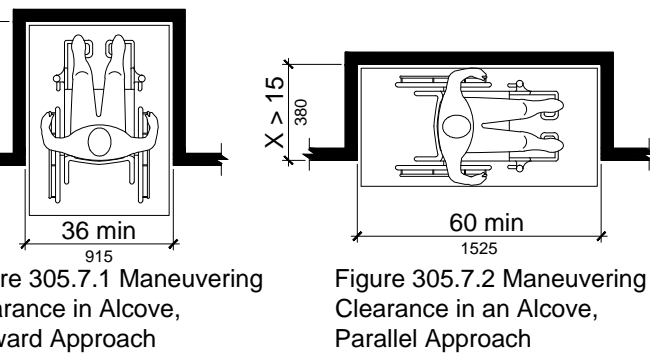


Figure 305.7.1 Forward Approach

Figure 305.7.2 Parallel Approach

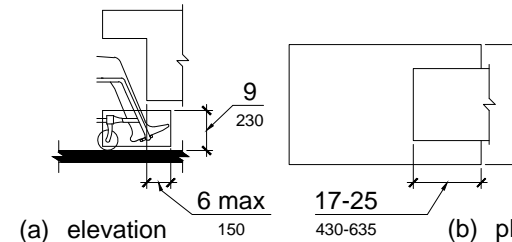


Figure 305.7.1 Forward Approach

Figure 305.7.2 Parallel Approach

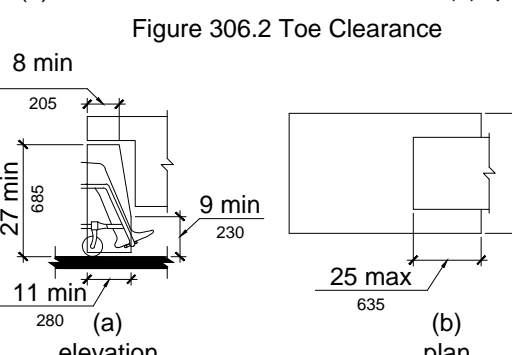


Figure 306.2 Toe Clearance

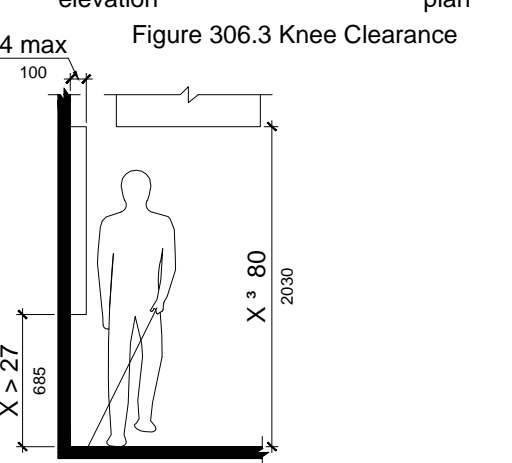


Figure 307.2 Limits of Protruding Objects

307.4 Vertical Clearance. Vertical clearance shall be 80 inches (2030 mm) high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches (2030 mm) high. The leading edge of such guardrail or barrier shall be located 27 inches (685 mm) maximum above the finish floor or ground.

EXCEPTION: Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.

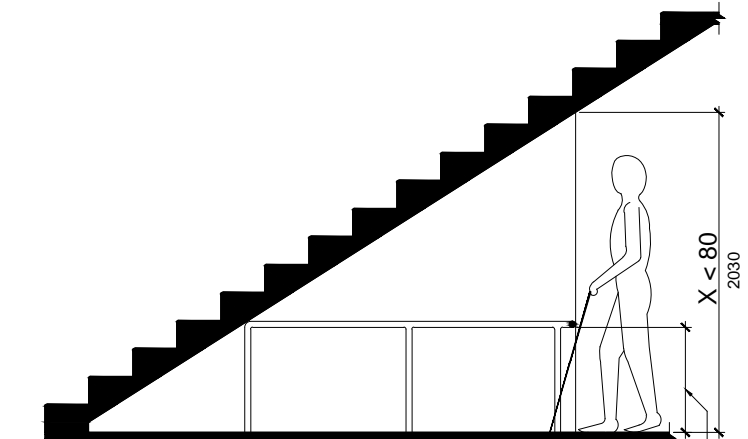


Figure 307.4 Vertical Clearance

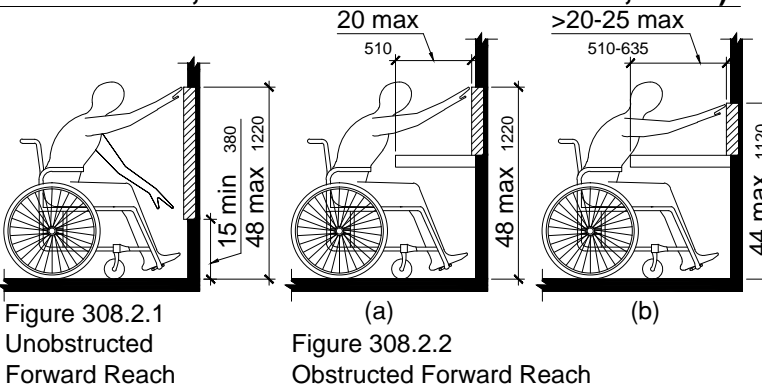


Figure 308.2.1 Unobstructed Forward Reach

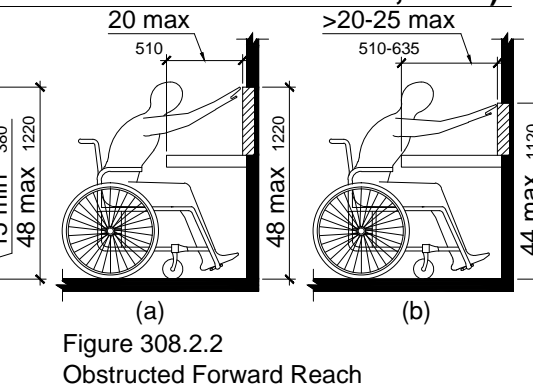


Figure 308.2.2 Obstructed Forward Reach

Figure 308.3.1 Unobstructed Side Reach

309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.

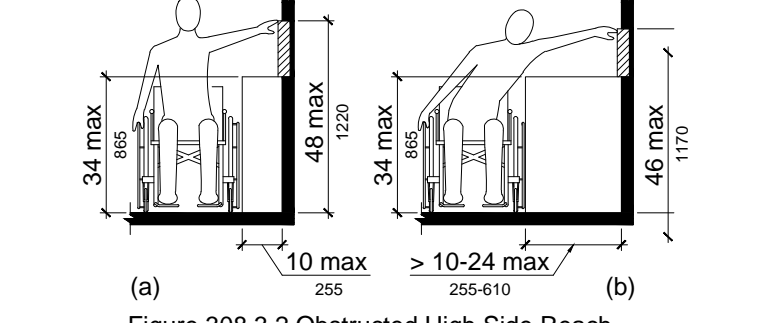


Figure 308.3.1 Unobstructed Side Reach

402.2 Components. Accessible routes shall consist of one or more of the following components: walking surfaces with a running slope not steeper than 1:20, doorways, ramps, curb ramps including the flared sides, elevators, and platform lifts. All components of an accessible route shall comply with the applicable requirements of Chapter 4. Advisory 402.2 Components. Walking surfaces must have running slopes not steeper than 1:20, see 403.3 Other components of accessible routes, such as ramps (405) and curb ramps (406), are permitted to be more steeply sloped.

403.1 General. Walking surfaces that are a part of an accessible route shall comply with 403.  
403.2 Floor or Ground Surface. Floor or ground surfaces shall comply with 302.  
403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48.  
403.4 Changes in Level. Changes in level shall comply with 303.  
403.5 Clearances. Walking surfaces shall provide clearances complying with 403.5.

EXCEPTION: Within employee work areas, clearances on common use circulation paths shall be permitted to be decreased by work area equipment provided that the decrease is essential to the function of the work being performed.  
EXCEPTION: The clear width shall be permitted to be reduced to 32 inches (815 mm) min. for a length of 24 inches (610 mm) max. provided that reduced width segments are separated by segments that are 48 inches (1220 mm) long min. and 36 inches (915 mm) wide min.

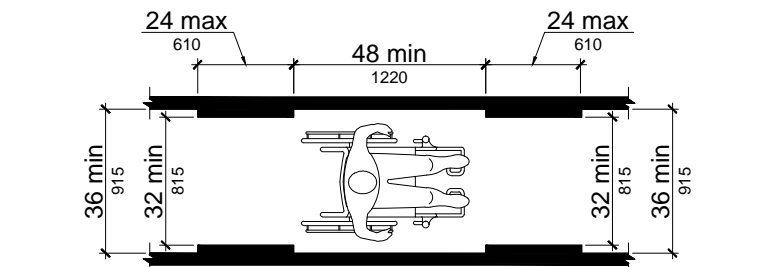


Figure 403.5.1 Clear Width of an Accessible Route

403.5.3 Passing Spaces. An accessible route with a clear width less than 60 inches (1525 mm) shall provide passing spaces at intervals of 200 feet (61 m) maximum.

404.0 Doors, Doorways, and Gates  
404.2.3 Clear Width. Door openings shall provide a clear width of 32 inches (815 mm) minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches (610 mm) deep shall provide a clear opening of 36 inches (915 mm) minimum. There shall be no projections into the required clear opening less than 34 inches (865 mm) above the finish floor or ground. Projections into the clear opening between 34 inches (865 mm) and 80 inches (2030 mm) above the finish floor or ground shall not exceed 4 inches (100 mm).

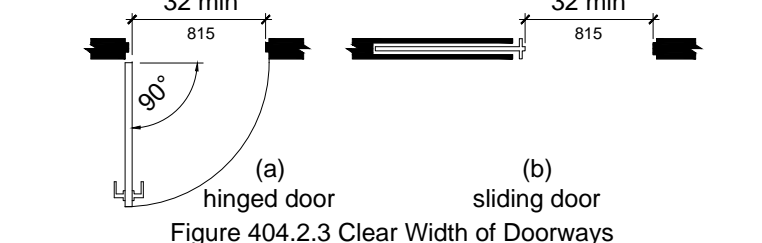


Figure 404.2.3 Clear Width of Doorways

404.2.4 Maneuvering Clearances. Minimum maneuvering clearances at doors and gates shall comply with 404.2.4. Maneuvering clearances shall extend the full width of the doorway and the required latch side or hinge side clearance.  
404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches (455 mm) of the latch side of a doorway projects more than 8 inches (205 mm) beyond the face of the door, measured perpendicular to the face of the door or gate.

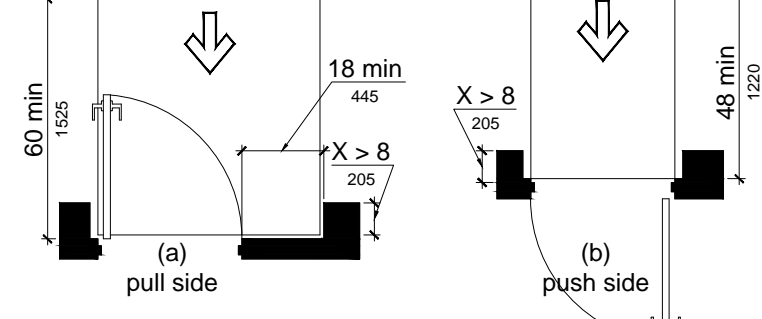
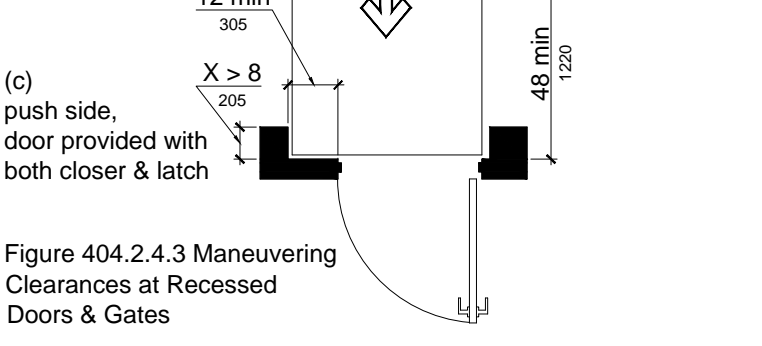


Figure 404.2.4 Maneuvering Clearances at Recessed Doors & Gates



404.2.5 Thresholds. Thresholds, if provided at doorways, shall be 1/2 inch (13 mm) high maximum. Raised thresholds and changes in level at doorways shall comply with 302 and 303.  
EXCEPTION: Existing or altered thresholds 3/4 inch (19 mm) high maximum that have a beveled edge on each side with a slope not steeper than 1:2 shall not be required to comply with 404.2.5.

Figure 404.2.5 Thresholds

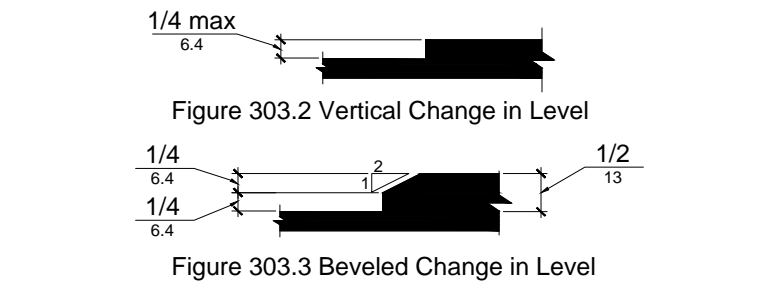


Figure 303.2 Vertical Change in Level

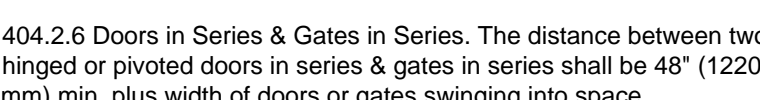


Figure 303.3 Beveled Change in Level

404.2.6 Doors in Series & Gates in Series. The distance between two hinged or pivoted doors in series & gates in series shall be 48" (1220 mm) min. plus width of doors or gates swinging into space.

404.2.7 Door & Gate Hardware. Handles, pulls, latches, locks, & other operable parts on doors & gates shall comply with 309.4. Operable parts of such hardware shall be 34" min. & 48" max. above the finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed & usable from both sides.

404.2.8.1 Door Closers & Gate Closers. Door closers & gate closers shall be adjusted so that from an open position of 90°, time required to move door to position of 12° from latch is 5 seconds min.

404.2.8.2 Spring Hinges. Door & gate spring hinges shall be adjusted so that from the open position of 70°, the door or gate shall move to the closed position in 1.5 seconds min.

404.2.9 Door and Gate Opening Force. Fire doors shall have a min. opening force allowable by the appropriate administrative authority. The force required for pushing or pulling open a door or gate other than fire doors shall be as follows:  
1. Interior hinged doors and gates: 5 pounds max.  
2. Sliding or folding doors: 5 pounds max.

These forces do not apply to force required to retract latch bolts or disengage other devices that hold door or gate in a closed position.  
404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be capped.  
404.2.11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one glazed panel located 43 inches max. above finish floor.

502.6 Identification. Parking space identification signs shall include the International Symbol of Accessibility complying with 703.7.2.1. Signs identifying van parking spaces shall contain the designation "van accessible." Signs shall be 60 inches (1525 mm) minimum above the finish floor or ground surface measured to the bottom of the sign.

602.2 Drinking Fountains  
602.2 Clear Floor Space. Units shall have a clear floor or ground space complying with 305 positioned for a forward approach and centered on the unit. Knee and toe clearance complying with 306 shall be provided.  
602.3 Operable Parts. Operable parts shall comply with 309.  
602.4 Spout Height. Spout outlets shall be 36" (915 mm) maximum above the finish floor or ground.  
602.5 Spout Location. The spout shall be located 15" (380 mm) minimum from the vertical support and 5" (125 mm) maximum from the front edge of the unit, including bumpers.

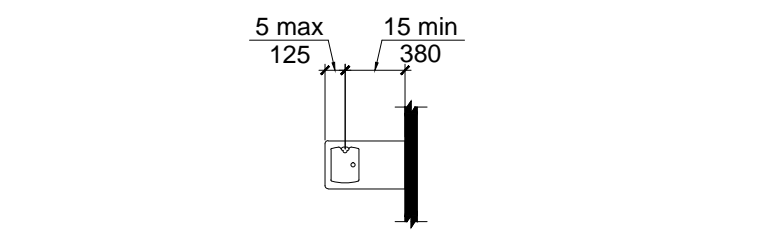


Figure 602.5 Drinking Fountain Spout Location

602.6 Water Flow. The spout shall provide a flow of water 4" (100 mm) high minimum and shall be located 5" (125 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3" (75 mm) of the front of the unit, the angle of the water stream shall be 30° maximum. Where spouts are located between 3" (75 mm) and 5" (125 mm) maximum from the front of the unit, the angle of the water stream shall be 15° maximum.

602.7 Drinking Fountains for Standing Persons. Spout outlets of drinking fountains for standing persons shall be 38" (965 mm) minimum and 43" (1090 mm) maximum above the finish floor or ground.

604.3.2 Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance.  
604.4 Seats. The seat height of a water closet above the finish floor shall be 17" (430 mm) min. and 19" (485 mm) max. measured to the top of the seat. Seats shall not be sprung to return to a lifted position.  
604.5 Grab Bars. Grab bars for water closets shall comply with 609. Grab bars shall be provided on the side wall closest to the water closet and on the rear wall.  
604.5.1 Side Wall. The side wall grab bar shall be 42" (1065 mm) long min., located 12" (305 mm) max. from the rear wall and extending 54" (1370 mm) min. from the rear wall.

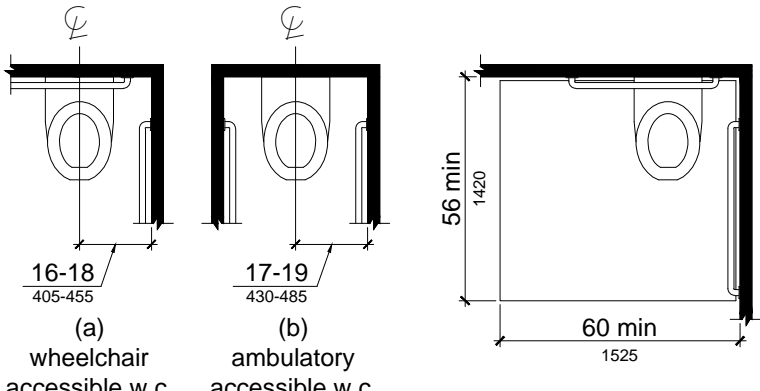


Figure 604.3.1 Size of Clearance at Water Closets

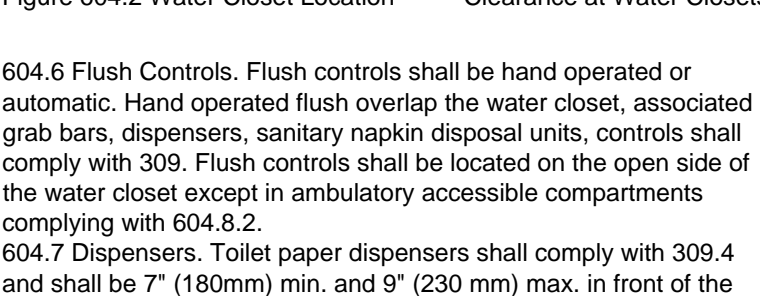


Figure 604.2 Water Closet Location

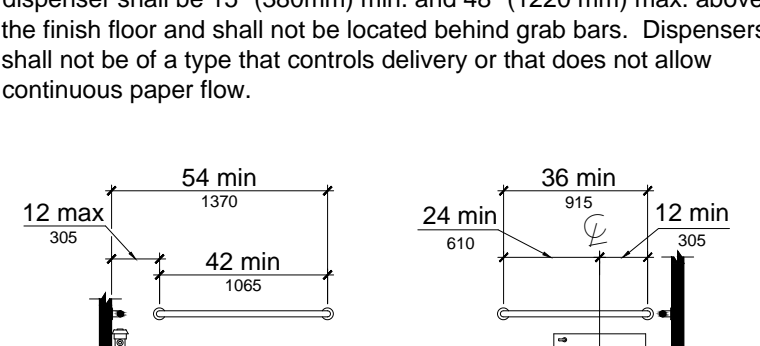


Figure 604.5.1 Side Wall Grab Bar at Water Closets



Figure 604.5.2 Rear Wall Grab Bar at Water Closets

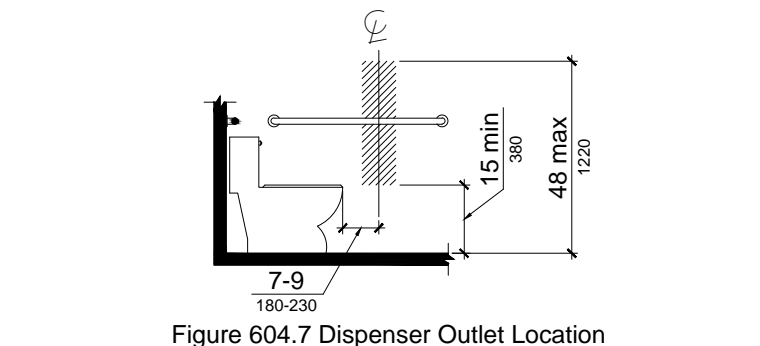


Figure 604.7 Dispenser Outlet Location

703.1 General. Signs shall comply with 703. Where both visual & tactile characters are required, either one sign with both visual & tactile characters or two separate signs, one with visual & one with tactile characters, shall be provided.  
703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.  
703.2.1 Depth. Raised characters shall be 1/2" min. above background.  
703.2.2 Case. Characters shall be uppercase.  
703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.  
703.2.4 Character Proportions. Characters shall be selected from fonts where width of the uppercase letter "O" is 55% min. and 110% max. of the height of the uppercase "I".

703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 1/2" min. and 2 inches max. based on the height of the uppercase letter "I".  
Exception: Where separate raised and visual characters with same information are provided, raised character height shall be permitted to be 1/2" min.

703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15% max. of the height of the character.  
703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8" min. & have 4x the raised character stroke width max. Where raised characters have other cross sections, spacing between individual raised characters shall be 1/16" min. 4x the raised character stroke width max. at the base of cross sections, and 1/8" min. and 4x the raised character stroke width max. at the top of cross sections. Characters shall be separated from raised borders and decorative elements 3/8" min.

703.2.8 Line Spacing. Spacing between baselines of separate lines of raised characters within a message shall be 135% min. and 170% max. of the raised character height.  
703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 403. KDA section 703.  
703.4 Installation Height & Location. Signs with tactile characters shall comply with 703.4.  
703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48" (1220 mm) min. above finish floor or ground surface, measured from baseline of lowest tactile character & 60" (1525 mm) max. above the finish floor or ground surface, ground surface, measured from baseline of highest tactile character.

703.4.2 Location. Where a tactile sign is provided at door, the sign shall be located alongside the door at latch side. Where a tactile sign is provided at double doors with one active leaf, sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leaves, sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18" min. by 18" min., centered on the tactile characters, is provided beyond arc of any door swing between closed position & 45° open position.

703.5 Visual Characters. Visual characters shall comply with 703.5.  
703.5.1 Finish and Contrast. Characters and background shall have non-glare finish. Characters shall contrast with background with either light characters on dark background or dark characters on light background.  
703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.  
703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.  
703.5.4 Character Proportions. Characters shall be selected from fonts where the width of uppercase letter "O" is 55% min. and 110% max. of height of uppercase letter "I".  
703.5.5 Character Height. Min. character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) min. above the finish floor or ground.  
703.5.7 Stroke Thickness. Stroke thickness of uppercase letter "I" shall be 10% min. and 30% max. of the height of the character.  
703.5.8 Character Spacing. Character spacing shall be measured between two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10% min. and 35% max. of character height.  
703.5.9 Line Spacing. Spacing between baselines of separate lines of characters within message shall be 135% min. & 170% max. of the character height.

703.6 Pictograms. Pictograms shall comply with 703.6.  
703.6.1 Pictogram Field. Pictograms shall have field height of 6" min. Characters and braille shall not be located in pictogram field.

703.6.2 Finish and Contrast. Symbols of accessibility shall comply with 703.6.2. Symbols of accessibility shall have a non-glare finish. Symbols shall contrast with field with either a light pictogram on a dark field or a dark pictogram on a light field.  
703.6.3 Text Descriptors. Pictograms shall have text descriptors located directly below the pictogram field. Text descriptors shall comply with 703.2, 703.3 and 703.4.

703.7 Symbols of Accessibility. Symbols of accessibility shall comply with 703.7.  
703.7.1 Finish & Contrast. Symbols of accessibility & backgrounds shall have non-glare finish. Symbols shall contrast w/backgrounds w/ either light symbol on dark background or vice versa.  
703.7.2.1 International Symbol of Accessibility. The International Symbol of Accessibility shall comply with Figure 703.7.2.1.

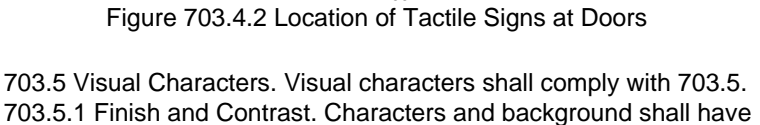


Figure 703.7.2.1 International Symbol of Accessibility

902 Dining Surfaces and Work Surfaces  
902.2 Clear Floor or Ground Space. A clear floor space complying with 305 positioned for a forward approach shall be provided. Knee and toe clearance complying with 306 shall be provided.  
902.3 Height. The tops of dining surfaces and work surfaces shall be 28 inches (710 mm) minimum and 34 inches (865 mm) maximum above the finish floor or ground.  
902.4 Dining Surfaces and Work Surfaces for Children's Use. Accessible dining surfaces and work surfaces for children's use shall comply with 902.4.  
902.4.1 Clear Floor or Ground Space. A clear floor space complying with 305 positioned for forward approach shall be provided. Knee and toe clearance complying with 306 shall be provided, except that knee clearance 24 inches (610 mm) minimum above the finish floor or ground shall be permitted.  
902.4.2 Height. The tops of tables and counters shall be 26 inches (660 mm) minimum and 30 inches (760 mm) maximum above the finish floor or ground.  
903 Benches  
903.2 Clear Floor or Ground Space. Clear floor or ground space complying with 305 shall be provided and shall be positioned at the end of the bench seat and parallel to the short axis of the bench.  
903.3 Size. Benches shall have seats that are 42 inches (1065 mm) long minimum and 20 inches (510 mm) deep minimum and 24 inches (610 mm) deep maximum.  
903.4 Back Support. The bench shall provide for back support or shall be affixed to a wall. Back support shall be 42 inches (1065 mm) long minimum and shall extend from a point 2 inches (51 mm) maximum above the seat surface to a point 18 inches (455 mm) minimum above the seat surface. Back support shall be 2 1/2 inches (64 mm) maximum from the rear edge of the seat measured horizontally.

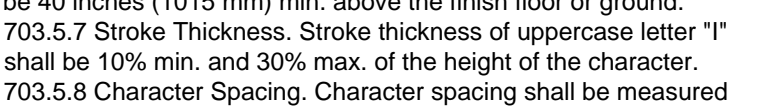


Figure 903.4 Bench Back Support

903.5 Height. The top of the bench seat surface shall be 17 inches (430 mm) min. and 19 inches (485 mm) maximum above the finish floor or ground.  
904 Check-Out Aisles and Sales and Service Counters  
904.1 General. Check-out aisles and sales and service counters shall comply with the applicable requirements of 904.  
904.2 Approach. All portions of counters required to comply with 904 shall be located adjacent to a walking surface complying with 403.  
904.3 Check-Out Aisles. Check-out aisles shall comply with 904.3.  
904.3.1 Aisle. Aisles shall comply with 403.  
904.3.2 Counter. The counter surface height shall be 38 inches (965 mm) maximum above the finish floor or ground. The top of the counter edge protection shall be 2 inches (51 mm) maximum above the top of the counter surface on the aisle side of the check-out counter.

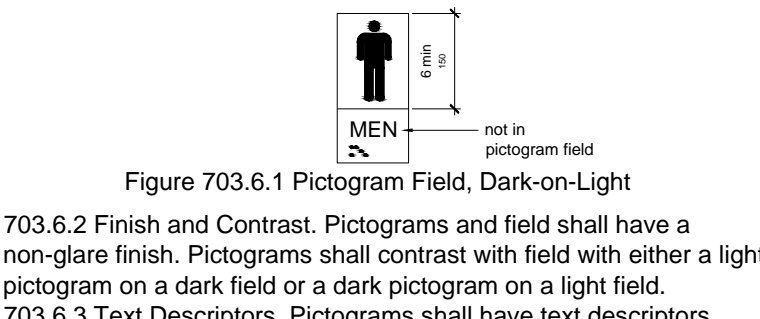


Figure 904.3.2 Check-Out Aisle Counters

1 ACCESSIBLE PATH OF TRAVEL  
SCALE: N.T.S.

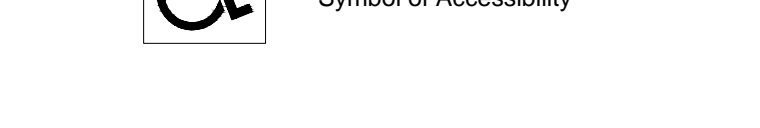


Figure 703.7.2.1 International Symbol of Accessibility

GENERAL PAVEMENT MARKING NOTES:  
1. All parking space lines shall be 4" solid white lines.  
2. Pavement marking symbols:  
(A) Should be placed toward the far end of the parking spaces so as to be visible to motorists in the travel lane, and (B) may be painted or prefabricated material.

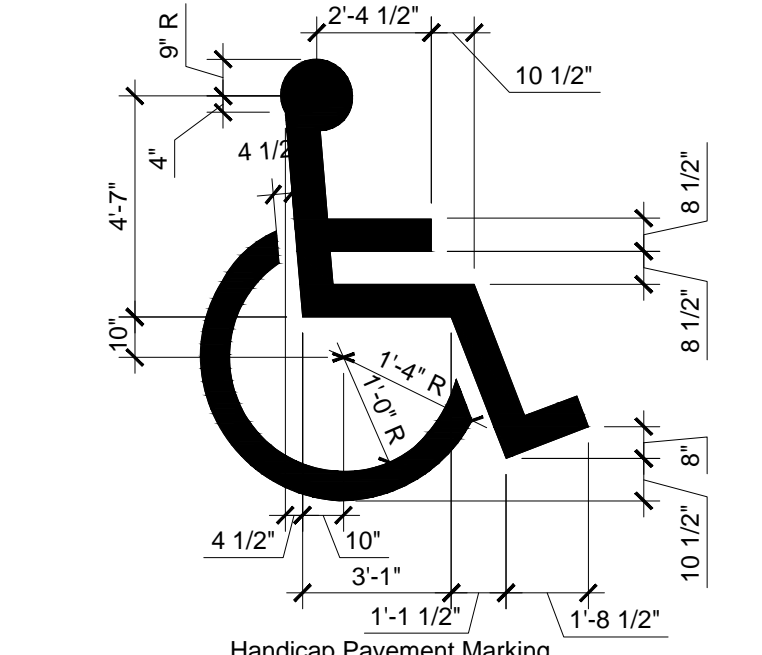


Figure 604.7 Dispenser Outlet Location



Figure 902.2 Clear Floor or Ground Space

902.3 Height. The tops of dining surfaces and work surfaces shall be 28 inches (710 mm) minimum and 34 inches (865 mm) maximum above the finish floor or ground.  
902.4 Dining Surfaces and Work Surfaces for Children's Use. Accessible dining surfaces and work surfaces for children's use shall comply with 902.4.  
902.4.1 Clear Floor or Ground Space. A clear floor space complying with 305 positioned for forward approach shall be provided. Knee and toe clearance complying with 306 shall be provided, except that knee clearance 24 inches (610 mm) minimum above the finish floor or ground shall be permitted.  
902.4.2 Height. The tops of tables and counters shall be 26 inches (660 mm) minimum and 30 inches (760 mm) maximum above the finish floor or ground.

903 Benches  
903.2 Clear Floor or Ground Space. Clear floor or ground space complying with 305 shall be provided and shall be positioned at the end of the bench seat and parallel to the short axis of the bench.  
903.3 Size. Benches shall have seats that are 42 inches (1065 mm) long minimum and 20 inches (510 mm) deep minimum and 24 inches (610 mm) deep maximum.  
903.4 Back Support. The bench shall provide for back support or shall be affixed to a wall. Back support shall be 42 inches (1065 mm) long minimum and shall extend from a point 2 inches (51 mm) maximum above the seat surface to a point 18 inches (455 mm) minimum above the seat surface. Back support shall be 2 1/2 inches (64 mm) maximum from the rear edge of the seat measured horizontally.

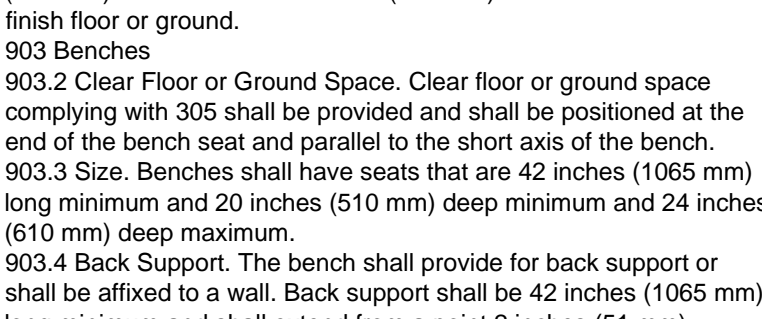


Figure 903.4 Bench Back Support

903.5 Height. The top of the bench seat surface shall be 17 inches (430 mm) min. and 19 inches (485 mm) maximum above the finish floor or ground.  
904 Check-Out Aisles and Sales and Service Counters  
904.1 General. Check-out aisles and sales and service counters shall comply with the applicable requirements of 904.  
904.2 Approach. All portions of counters required to comply with 904 shall be located adjacent to a walking surface complying with 403.  
904.3 Check-Out Aisles. Check-out aisles shall comply with 904.3.  
904.3.1 Aisle. Aisles shall comply with 403.  
904.3.2 Counter. The counter surface height shall be 38 inches (965 mm) maximum above the finish floor or ground. The top of the counter edge protection shall be 2 inches (51 mm) maximum above the top of the counter surface on the aisle side of the check-out counter.

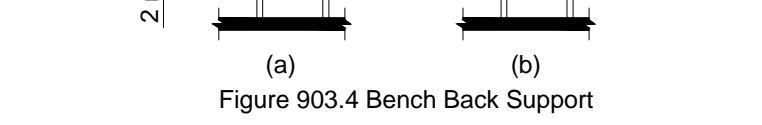


Figure 904.3.2 Check-Out Aisle Counters

GENERAL NOTES (APPLICABLE TO ALL SHEETS)

1. COMPLY WITH REQUIREMENTS OF TEXAS ACCESSIBILITY STANDARDS 2012. GENERAL CONTRACTOR SHALL KEEP FULL, CURRENT SET OF TAS STANDARDS ON SITE AT ALL TIMES FOR REFERENCE.
2. PORTIONS OF TAS 2012 ARE SHOWN HEREIN BUT NOT LIMITED TO THESE NOTES. REFER TO TAS CURRENT STANDARDS AS NEEDED. NOTIFY HAS CONSULTANT AND ARCHITECT IF THERE ARE QUESTIONS.
3. ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE PROVISIONS OF THE SPECIFICATIONS AND DRAWINGS AND SHALL SATISFY ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS OF ALL GOVERNING BODIES. ALL PERMITS AND LICENSES NECESSARY FOR THE PROPER EXECUTION OF THE WORK SHALL BE SECURED AND PAID FOR BY THE CONTRACTOR. ANY WORK NOT SPECIFICALLY CALLED OUT BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER EXECUTION AND COMPLETION OF THE JOB SHALL BE INCLUDED. TYP.
4. NOTIFY ARCHITECT IF CONFLICTS ARE DISCOVERED BETWEEN TYPICAL ACCESSIBILITY DETAILS AND DETAILS SHOWN ELSEWHERE OR ANY DISCREPANCIES. TYP., PRIOR TO START OF WORK.
5. PROVIDE UPDATED 12" x 12" MIN. ORIENTATION / EXIT MAPS INDICATING EGRESS ROUTES TO POST THROUGHOUT LIBRARY. SPECIFIC AND ORIENTED TO ROOM WHERE POSTED PER DETAIL. COORDINATE WITH OWNER.
6. CONTRACTOR SHALL VISIT SITE AND BECOME FAMILIAR WITH ALL CONDITIONS OF SITE PRIOR TO BIDDING. FAILURE TO DO SO DOES NOT RELIEVE CONTRACTOR FROM PROPER COMPLIANCE WITH CONTRACT DOCUMENTS. ANY DISCREPANCIES SHALL BE REVIEWED WITH OWNER AND CONSULTANTS PRIOR TO BID OR EXECUTION OF WORK TO RESOLVE PROPERLY. TYP.
7. DIMENSIONS SHOWN ARE TYPICALLY TO STRUCTURE, UNLESS NOTED OTHERWISE. THIS PROJECT IS A RENOVATION OF AN EXISTING BUILDING AND ALL WORK AND DIMENSIONS ARE WITHIN EXISTING EXTERIOR WALLS AND MUST BE VERIFIED. TYP. CONTRACTOR SHALL LAY OUT ALL DIMENSIONS AND DIMENSION STRINGS AND REVIEW WITH CONSULTANTS PRIOR TO START OF CONSTRUCTION.
8. REPORT ANY AND ALL DISCREPANCIES, INCONSISTENCIES, ERRORS, OR OMISSIONS TO CONSULTANTS IN A TIMELY MANNER, PRIOR TO START OF CONSTRUCTION OR ORDERING MATERIALS TO ALLOW FOR PROPER RESOLUTION.
9. DIMENSIONS SHALL NOT BE SCALED FROM THESE DRAWINGS. ANY CRITICAL DIMENSIONS NOT SHOWN SHALL BE BROUGHT TO ATTENTION OF CONSULTANT PRIOR TO CONSTRUCTION.
10. DIMENSIONS FOR OPENINGS ARE TYPICALLY TO CENTERLINE OF OPENING OR OPENINGS, UNLESS OTHERWISE INDICATED. SEE WINDOW AND DOOR SCHEDULES AND SPECIFICATIONS FOR NOMINAL SIZES. FINAL SIZES SHALL BE PER MANUFACTURER SPECIFICATIONS. CONTRACTOR SHALL PROVIDE PROPER FRAMING AND ANY OTHER ALLOWANCES PER MANUFACTURER RECOMMENDATIONS. VERIFY ACTUAL SIZES AND ROUGH OPENING REQUIREMENTS AND ALL RECOMMENDATIONS WITH MANUFACTURER. TYP.
11. REFERENCE EXISTING STRUCTURAL DOCUMENTS FOR SIZES AND LOCATIONS OF COLUMNS, BEAMS, FOOTINGS, AND OTHER STRUCTURAL ELEMENTS.
12. ALL WORK AS INDICATED IN DOCUMENTS, INCLUDING ALL ELEMENTS, MATERIALS, PROCEDURES, METHODS, ETC. SHALL BE PERFORMED BY G.C. AS MAY BE REQUIRED TO GIVE PROPER RESULTS AND COMPLETION OF THE WORK, TYP.
13. PER SEPARATE CONTRACT (NIC), EXISTING ACCESSIBLE ROUTES SHALL REMAIN AND SHALL BE UPDATED TO TAS 2012 AS REQUIRED. ANY VERTICAL JOINTS AND ALL IRREGULARITIES IN WALK SURFACE SHALL BE REPAIRED, GROUND DOWN, AND RE-DONE TO COMPLY WITH TAS 2012, INCLUDING MAX. SLOPE 1/4" PER FOOT, 1/4" MAX CHANGE IN LEVEL, ETC.
14. EXISTING RESTROOMS ARE TO REMAIN, EXCEPT FOR WORK NOTED ON SHEET A1.0 AND RELATED DOCUMENTS.
15. CONTRACTOR SHALL FURNISH, INSTALL/ERECT AND MAINTAIN, FOR THE DURATION OF THE WORK, ALL SAFETY DEVICES AND PROVISIONS SUCH AS GUARDRAILS, LIGHTS, WARNING SIGNS, STAGING, VENTILATION, ETC. REQUIRED BY LOCAL AND STATE LAWS AND ORDINANCES, INCLUDING THE SAFETY ORDERS OF OSHA.
16. CONTRACTOR SHALL PROTECT EXISTING BUILDINGS, STRUCTURES, CONDITIONS, AND UTILITIES FROM DAMAGE. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT NO EXPENSE TO THE OWNER.
17. BEFORE PROCEEDING WITH THE WORK, CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS, SIZES, REQUIRED CLEARANCES, AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF ALL EQUIPMENT AND MATERIALS HEREIN REQUIRED TO OTHER PARTS OF THE WORK AND TO THE WORK OF OTHER TRADES.
18. CONTRACTOR SHALL COMPLY WITH ALL CONTRACT DOCUMENTS IN LAYING OUT THE WORK AND EQUIPMENT. CONTRACTOR SHALL

1901 E. FRANKLIN AVE  
AUSTIN, TEXAS 78723  
512.445.0444

BID SET
ISSUE DATE: 09/07/2020

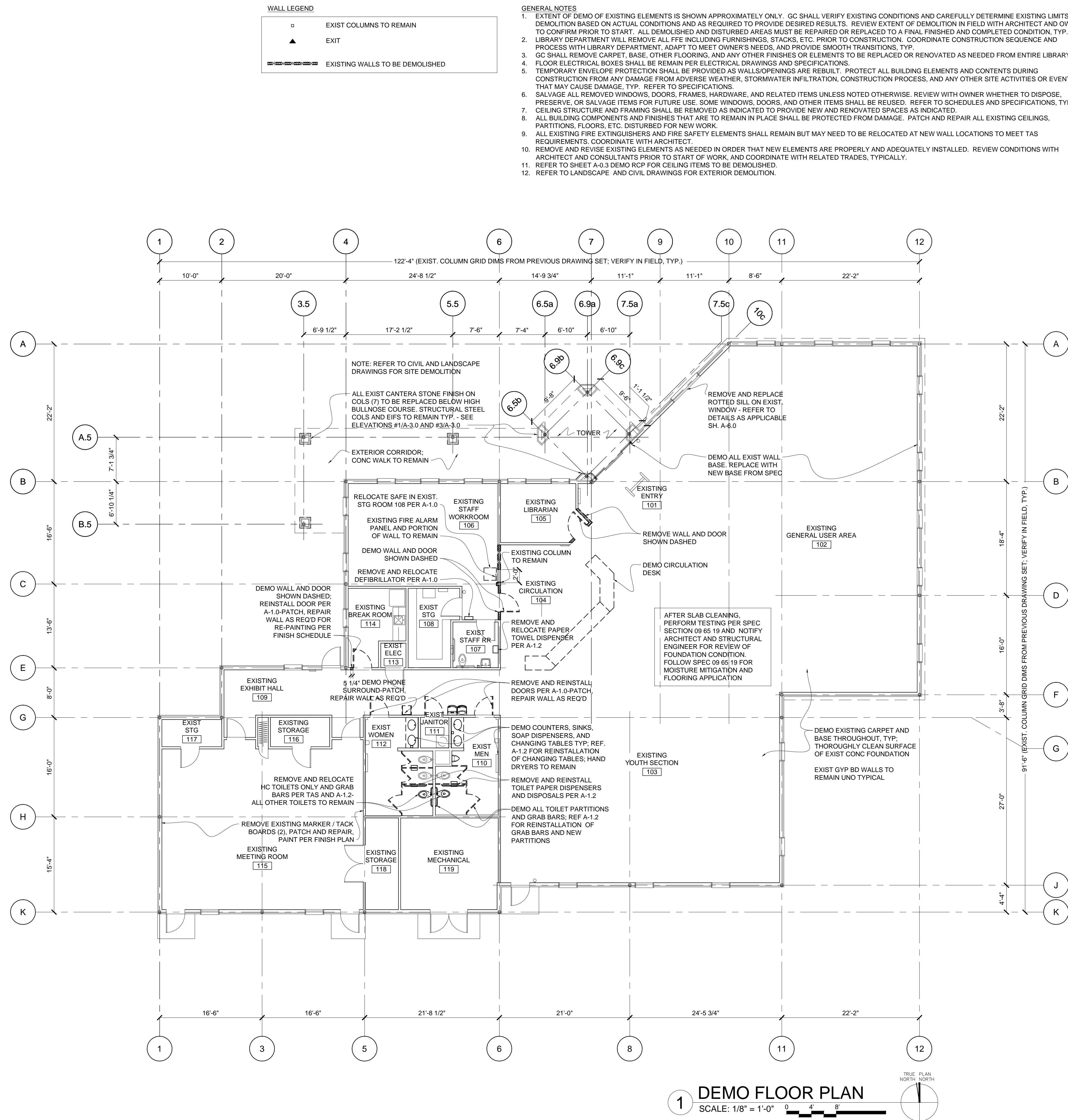
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CITY OF AUSTIN  
CEPEDA  
LIBRARY  
RENOVATIONS  
651 N PLEASANT VALLEY RD  
AUSTIN, TEXAS 78702

DEMOLITION PLAN

**A-0.2**

SHEET NO. 12 OF 36

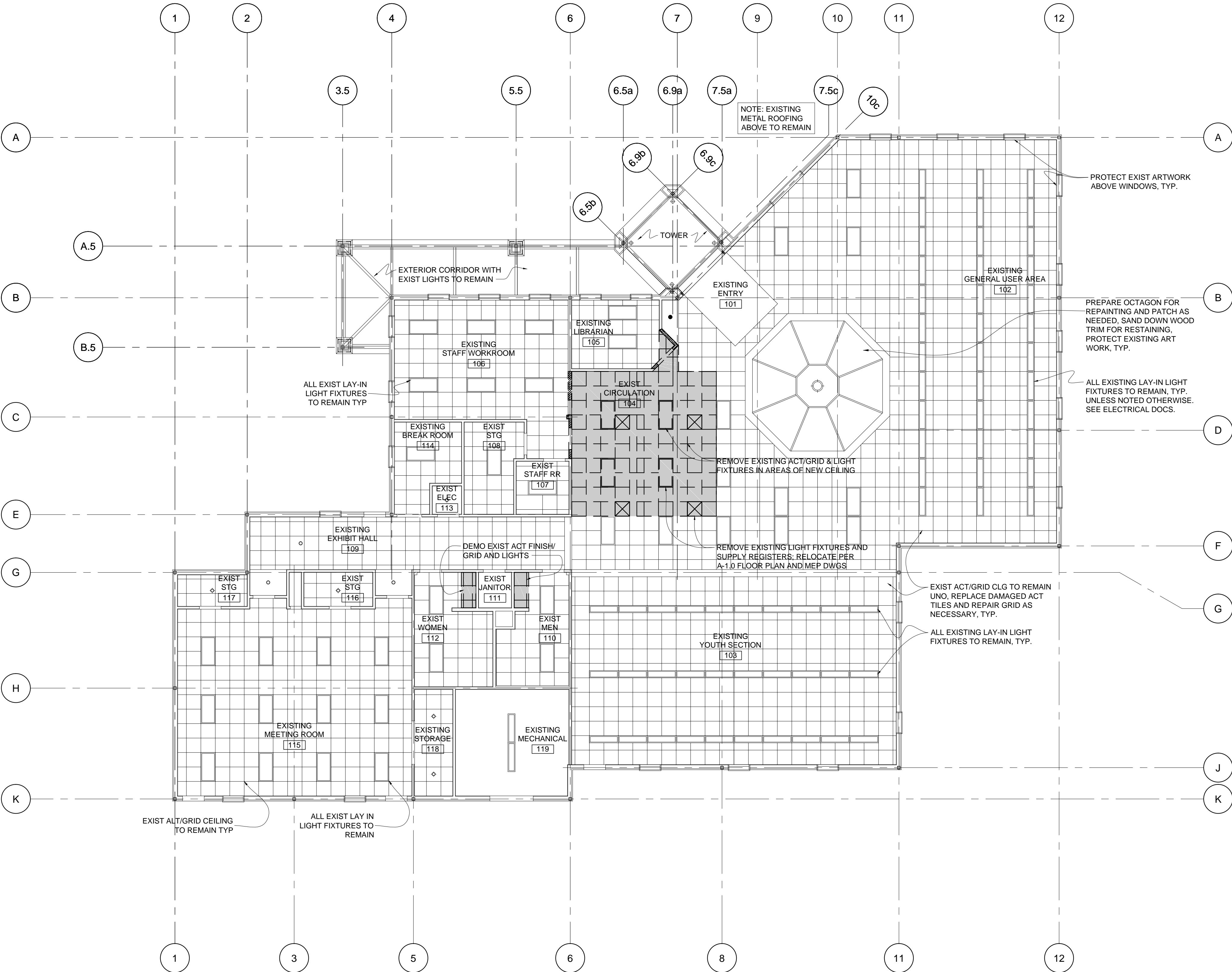




WALL LEGEND

	EXISTING EXTERIOR PARTITION WALLS TO REMAIN
	EXISTING INTERIOR PARTITION WALLS TO REMAIN
	EXIST COLUMNS TO REMAIN
	EXIT
	EXISTING WALLS TO BE DEMOLISHED
	EXISTING CEILING FINISH TO BE DEMOLISHED (APPROX.)

- GENERAL NOTES
1. EXTENT OF DEMO OF EXISTING ELEMENTS IS SHOWN APPROXIMATELY ONLY. GC SHALL VERIFY EXISTING CONDITIONS AND CAREFULLY DETERMINE EXISTING LIMITS OF DEMOLITION BASED ON ACTUAL CONDITIONS AND AS REQUIRED TO PROVIDE DESIRED RESULTS. REVIEW EXTENT OF DEMOLITION IN FIELD WITH ARCHITECT AND OWNER TO CONFIRM PRIOR TO START. ALL DEMOLISHED AND DISTURBED AREAS MUST BE REPAIRED OR REPLACED TO A FINAL FINISHED AND COMPLETED CONDITION, TYP.
  2. LIBRARY DEPARTMENT WILL REMOVE ALL FFE INCLUDING FURNISHINGS, STACKS, ETC. PRIOR TO CONSTRUCTION. COORDINATE CONSTRUCTION SEQUENCE AND PROCESS WITH LIBRARY DEPARTMENT, ADAPT TO MEET OWNER'S NEEDS, AND PROVIDE SMOOTH TRANSITIONS, TYP.
  3. GC SHALL REMOVE CARPET, BASE, OTHER FLOORING, AND ANY OTHER FINISHES OR ELEMENTS TO BE REPLACED OR RENOVATED AS NEEDED FROM ENTIRE LIBRARY.
  4. FLOOR ELECTRICAL BOXES SHALL BE REMAIN PER ELECTRICAL DRAWINGS AND SPECIFICATIONS.
  5. TEMPORARY ENVELOPE PROTECTION SHALL BE PROVIDED AS WALLS ARE REBUILT. PROTECT ALL BUILDING ELEMENTS AND CONTENTS DURING CONSTRUCTION FROM ANY DAMAGE FROM ADVERSE WEATHER AND STORMWATER INFILTRATION, TYP. REFER TO SPECIFICATIONS.
  6. SALVAGE ALL REMOVED WINDOWS, DOORS, FRAMES, HARDWARE, AND RELATED ITEMS UNLESS NOTED OTHERWISE. REVIEW WITH OWNER WHETHER TO DISPOSE, PRESERVE, OR SALVAGE ITEMS FOR FUTURE USE. SOME WINDOWS, DOORS, AND OTHER ITEMS SHALL BE REUSED. REFER TO SCHEDULES AND SPECIFICATIONS, TYP.
  7. CEILING STRUCTURE AND FRAMING SHALL BE REMOVED AS NEEDED TO PROVIDE NEW AND RENOVATED SPACES AS INDICATED.
  8. ALL BUILDING COMPONENTS AND FINISHES THAT ARE TO REMAIN IN PLACE SHALL BE PROTECTED FROM DAMAGE. PATCH AND REPAIR ALL EXISTING CEILINGS, PARTITIONS, FLOORS, ETC. DISTURBED FOR NEW WORK.
  9. ALL EXISTING FIRE EXTINGUISHERS AND FIRE SAFETY ELEMENTS SHALL REMAIN BUT MAY NEED TO BE RELOCATED AT NEW WALL LOCATIONS. COORDINATE WITH ARCHITECT.
  10. REMOVE AND REVISE EXISTING ELEMENTS AS NEEDED TO PROVIDE THAT NEW ELEMENTS ARE PROPERLY AND ADEQUATELY INSTALLED. REVIEW CONDITIONS WITH ARCHITECT AND CONSULTANTS PRIOR TO START OF WORK, AND COORDINATE WITH RELATED TRADES, TYPICALLY.
  11. REFER TO SHEET A-0.2 DEMOLITION PLAN FOR PLAN ITEMS TO BE DEMOLISHED.



1 DEMOLITION REFLECTED CEILING PLAN

TRUE PLAN NORTH

0 4' 8'

STANLEY-SALAIZ  
JOINT VENTURE

1901 EM FRANKLIN AVE  
AUSTIN, TEXAS 78723  
512.445.0444

CITY OF AUSTIN

CEPEDA LIBRARY RENOVATIONS

651 NORTH PLEASANT VALLEY ROAD  
AUSTIN, TEXAS 78702

BID SET

ISSUE DATE: 09/07/2020

REVISIONS	

CITY OF AUSTIN

CEPEDA LIBRARY RENOVATIONS

651 N PLEASANT VALLEY RD  
AUSTIN, TEXAS 78702

DEMOLITION REFLECTED CLG PLAN

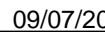
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SHEET NO. 13 OF 36



1901 EM FRANKLIN AVE  
AUSTIN, TEXAS 78723  
512.445.0444

CITY OF AUSTIN

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651 N PLEASANT VALLEY RD  
AUSTIN, TEXAS 78702

FLOOR PLAN

A-1.0



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



LAURA W. ROBINSON

REG # 9809

EXP. DATE: 10.31.2020

CITY OF AUSTIN  
CEPEDA LIBRARY RENOVATIONS  
651 NORTH PLEASANT VALLEY ROAD  
AUSTIN, TEXAS 78702

**PRELIMINARY SET**  
NOT FOR REGULATORY  
APPROVAL, PERMITTING,  
OR CONSTRUCTION

REVISED BID SET FOR QMD  
ISSUE DATE: 09/01/20

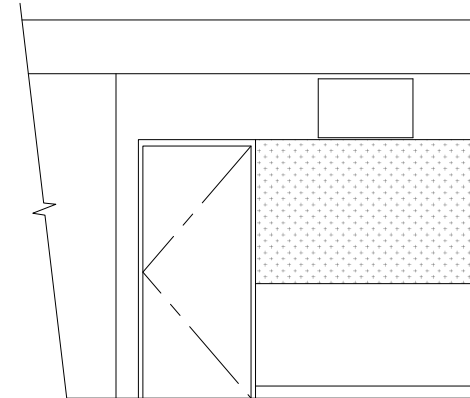
REVISIONS	
1	

CITY OF AUSTIN  
CEPEDA  
LIBRARY  
RENOVATIONS  
651 N PLEASANT VALLEY RD  
AUSTIN, TEXAS  
78702

FURNITURE  
PLAN

A-1.1

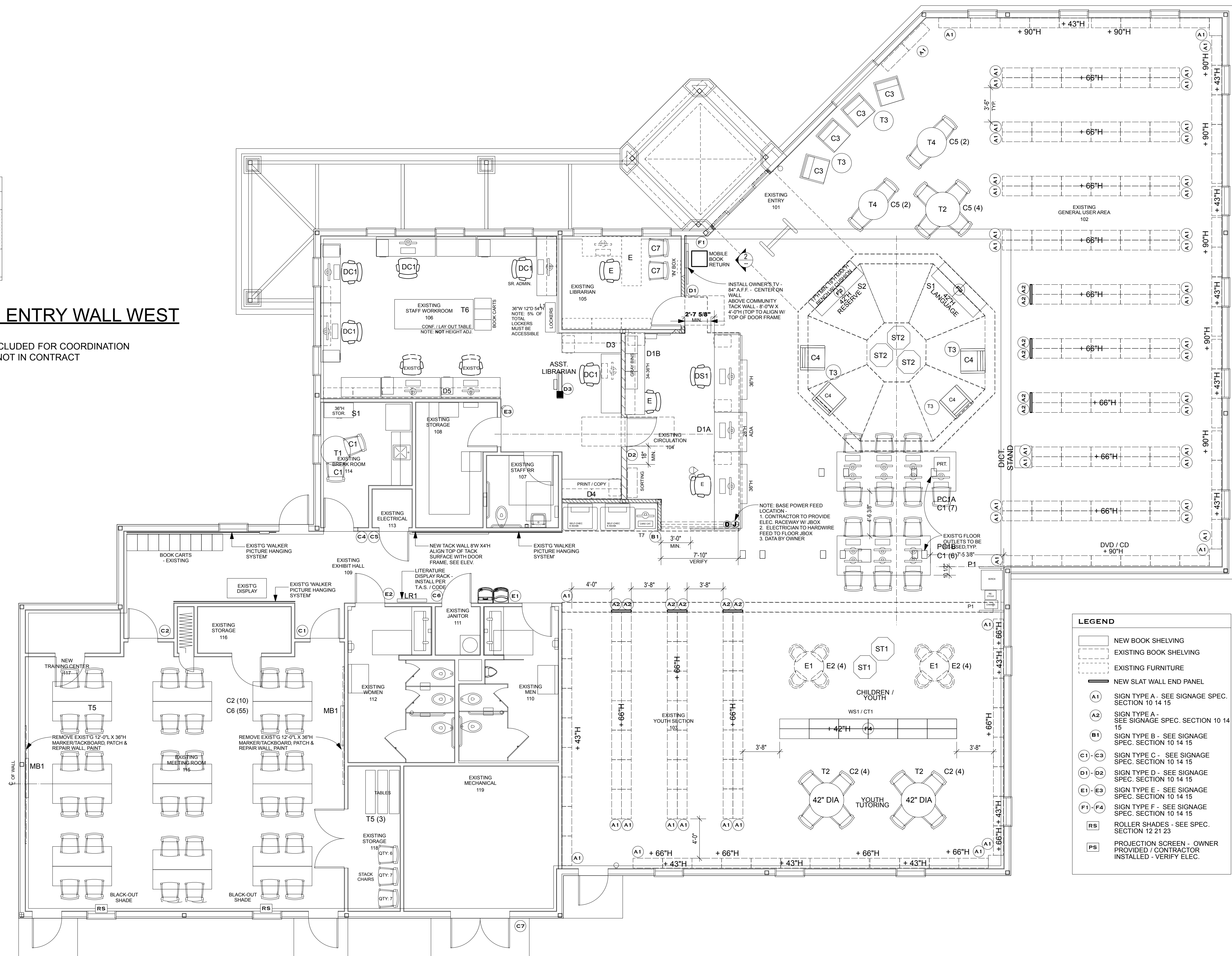
SHEET NO. SHT 15 of 39



## 2 INT ELEV @ ENTRY WALL WEST

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

NOTE: THIS SHEET IS INCLUDED FOR COORDINATION  
PURPOSES ONLY - FFE NOT IN CONTRACT

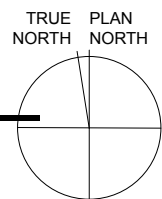


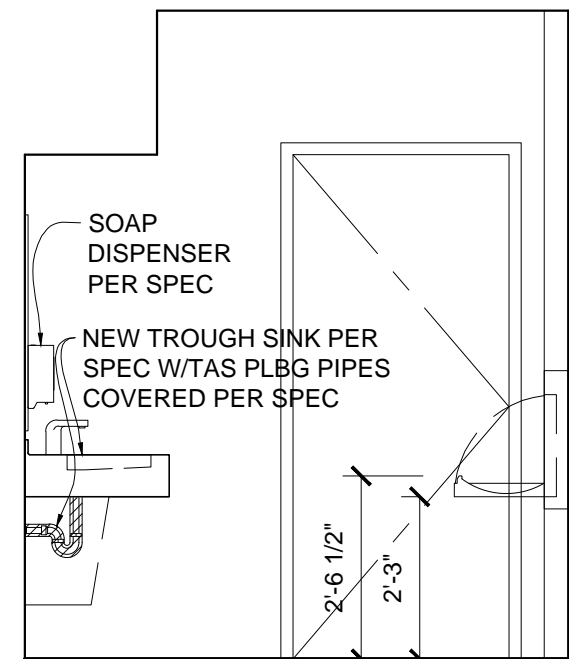
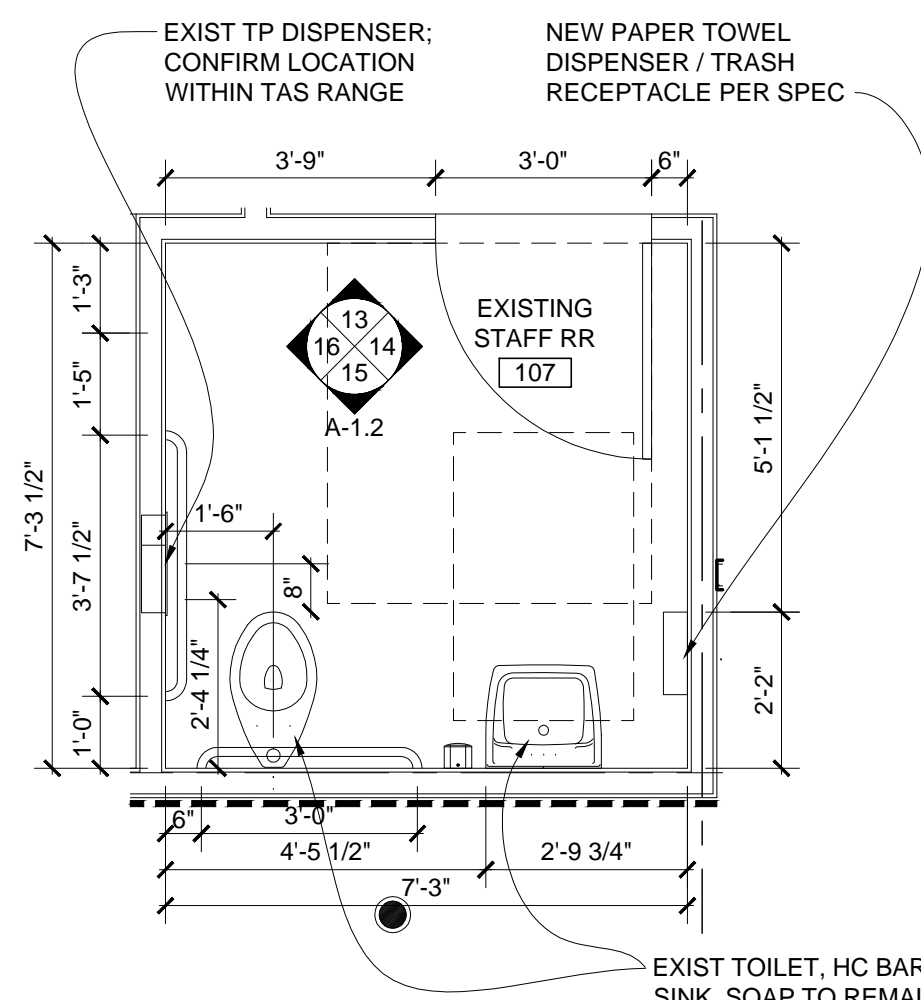
- LEGEND**
- NEW BOOK SHELVING
  - EXISTING BOOK SHELVING
  - EXISTING FURNITURE
  - NEW SLAT WALL END PANEL
  - A1 SIGN TYPE A - SEE SIGNAGE SPEC. SECTION 10 14 15
  - A2 SIGN TYPE A - SEE SIGNAGE SPEC. SECTION 10 14 15
  - B1 SIGN TYPE B - SEE SIGNAGE SPEC. SECTION 10 14 15
  - C1 - C3 SIGN TYPE C - SEE SIGNAGE SPEC. SECTION 10 14 15
  - D1 - D2 SIGN TYPE D - SEE SIGNAGE SPEC. SECTION 10 14 15
  - E1 - E3 SIGN TYPE E - SEE SIGNAGE SPEC. SECTION 10 14 15
  - F1 - F4 SIGN TYPE F - SEE SIGNAGE SPEC. SECTION 10 14 15
  - RS ROLLER SHADES - SEE SPEC. SECTION 12 21 23
  - PS PROJECTION SCREEN - OWNER PROVIDED - CONTRACTOR INSTALLED - VERIFY ELEC.

## 1 FFE PLAN

SCALE: 3/16" = 1'-0"

NOTE: THIS SHEET IS INCLUDED FOR  
COORDINATION PURPOSES ONLY - FFE NOT IN  
CONTRACT

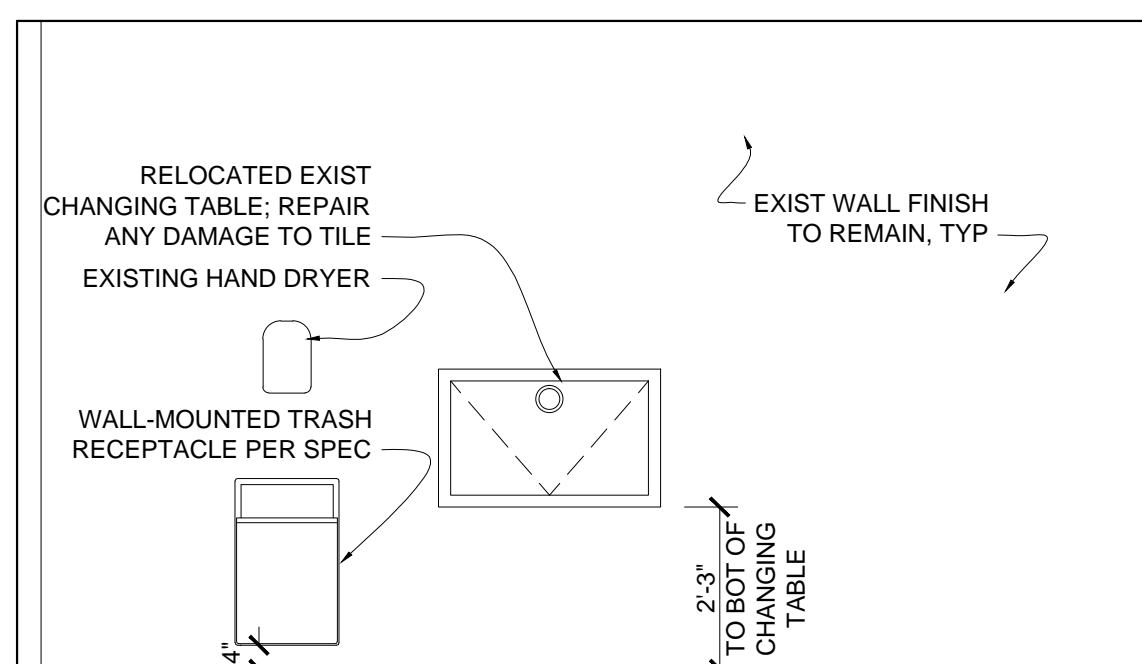




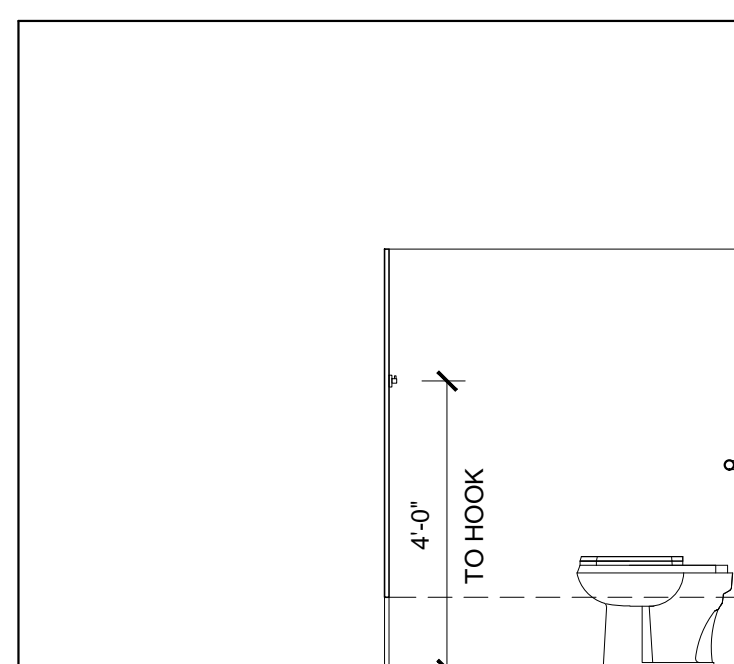
- ## GENERAL NOTES
1. ALL TAS DIMENSIONS ARE CLEAR, FINISH DIMENSIONS. ALL TAS DIMENSIONS ARE CRITICAL AND ANY DEVIANCE FROM WRITTEN DIMENSIONS SHOULD BE BROUGHT TO IMMEDIATE ATTENTION OF ARCHITECT. GENERAL CONTRACTOR IS RESPONSIBLE FOR ACHIEVING TAS COMPLIANCE WITH FINAL INSTALLATION OF ALL RESTROOM COMPONENTS.
  2. REPORT ANY AND ALL DISCREPANCIES, ERRORS, OR OMISSIONS IN THE DOCUMENTS TO THE ARCHITECT PRIOR TO THE ORDERING OF ANY MATERIALS AND/OR THE COMMENCEMENT OF CONSTRUCTION.
  3. ALL DIMENSIONS SHALL BE VERIFIED AT JOBSITE PRIOR TO START OF CONSTRUCTION. EXTERIOR DIMENSIONS ARE TO CENTERLINE OF COLUMNS, CENTERLINE OF OPENINGS, AND FACE OF FOUNDATION UNLESS NOTED OTHERWISE. INTERIOR DIMENSIONS ARE TO FACE OF STRUCTURE AND CENTER OF OPENINGS, TYP. INTERIOR PARTITIONS ARE CENTERED ON GRID LINES, TYP. UNDER NO CIRCUMSTANCE SHALL ANY DIMENSION BE SCALED FROM THESE DRAWINGS. ANY CRITICAL DIMENSIONS NOT GIVEN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO CONSTRUCTION.
  6. FURNISHINGS, FURNITURE, AND EQUIPMENT (FFE) ARE PART OF A SEPARATE CONTRACT. FFE PLAN SHALL REFLECT PERFORMANCE ONLY TO NOTE LOCATIONS OF FURNISHINGS, FURNITURE, AND EQUIPMENT. REFER TO SPECIFICATIONS FOR EQUIPMENT INCLUDED IN THIS CONTRACT.
  8. ASSUME DOOR HEAD HEIGHT TO BE 7'-0" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
  9. REFER TO DOOR AND WINDOW SCHEDULE FOR OPENING SIZES AND SPECIFICATIONS. VERIFY ACTUAL SIZES AND ROUGH OPENING REQUIREMENTS WITH MANUFACTURER PRIOR TO CONSTRUCTION.
  10. REFER TO STRUCTURAL DRAWINGS FOR ALL SIZES AND LOCATIONS OF COLUMNS AND OTHER STRUCTURAL ELEMENTS.
  11. FLOOR MATERIALS VARY, WHICH MAY AFFECT CONCRETE SLAB RECESSES. REFER TO FOUNDATION PLAN, FINISH SCHEDULE, ETC. REVIEW WITH ARCHITECT PRIOR TO CONSTRUCTION.
  14. ALL INTERIOR DOORS SHALL PROVIDE 32" MINIMUM CLEAR OPENINGS.
  15. REFER TO SHEET A-6.0 FOR WALL TYPES.
  15. REFERENCE A-6.0 AND SPECIFICATIONS FOR SCHEDULES AND ADDITIONAL INFORMATION.
  15. ALL ACCESSORIES, COUNTERS, SEATING, DOORS, ETC. SHALL BE MOUNTED OR INSTALLED IN COMPLIANCE WITH TAS AND ALL APPLICABLE CURRENT STANDARDS AND CODES, TYP.
  16. PROVIDE ALL BLOCKING AS NEEDED AND AS REQUIRED FOR ALL WALL- AND CEILING-MOUNTED ITEMS. PROVIDE INSTALLATIONS WITH HEAVY DUTY WALL BRACKETS, BRACING, AND HARDWARE PER MANUFACTURER REQUIREMENTS AND COORDINATE WITH RELATED TRADES, TYP. REPAIR ALL SURFACES TO LIKE-NEW CONDITION.
  17. NEW DRYWALL SURFACES SHALL BE PREPARED FOR SPECIFIED PAINT SYSTEM OVER LIGHT, UNIFORM TEXTURE TO MATCH EXISTING AND PER MANUFACTURER RECOMMENDATIONS. JOINT COMPOUND SHALL BE SANDED SMOOTH, FREE OF TOOL MARKS AND RIDGES, PRIOR TO APPLICATION OF PAINT. TAPE JOINTS VISIBLE UNDER FINAL PAINT COAT WILL NOT BE ACCEPTED.
  18. ALL PAINT COLORS AND LOCATIONS SHALL BE CONSIDERED PRELIMINARY UNTIL SAMPLES ARE APPROVED BY ARCHITECT AND FINAL SCHEDULE IS ISSUED.
  19. PROVIDE TEXTURE SAMPLE FOR APPROVAL PRIOR TO GENERAL APPLICATION. TEXTURE MUST BE BLENDED AND UNIFORM WITH NO "SPATTERING".
  20. CAREFULLY BUTT-JOIN DISSIMILAR FLOOR MATERIALS IN THE SAME PLANE. DO NOT INSTALL TRANSITION STRIPS AT ANY LOCATION OTHER THAN THOSE SHOWN ON FINISH PLAN WITHOUT PRIOR APPROVAL OF ARCHITECT.
  41. ALL EXISTING DOOR FRAMES SHALL BE PAINTED. PAINT ENTIRE FRAME WHERE ONE SIDE IS IN A ROOM WITH NO WORK.
  22. REFER TO SPECS FOR RESTROOM ACCESSORY SCHEDULE.
  23. EXISTING TILE WALLS AND FLOOR TO REMAIN ONLY, TYPICAL.

2 ENLARGED PLAN: 107 STAFF  
SCALE: 3/8" = 1'-0"

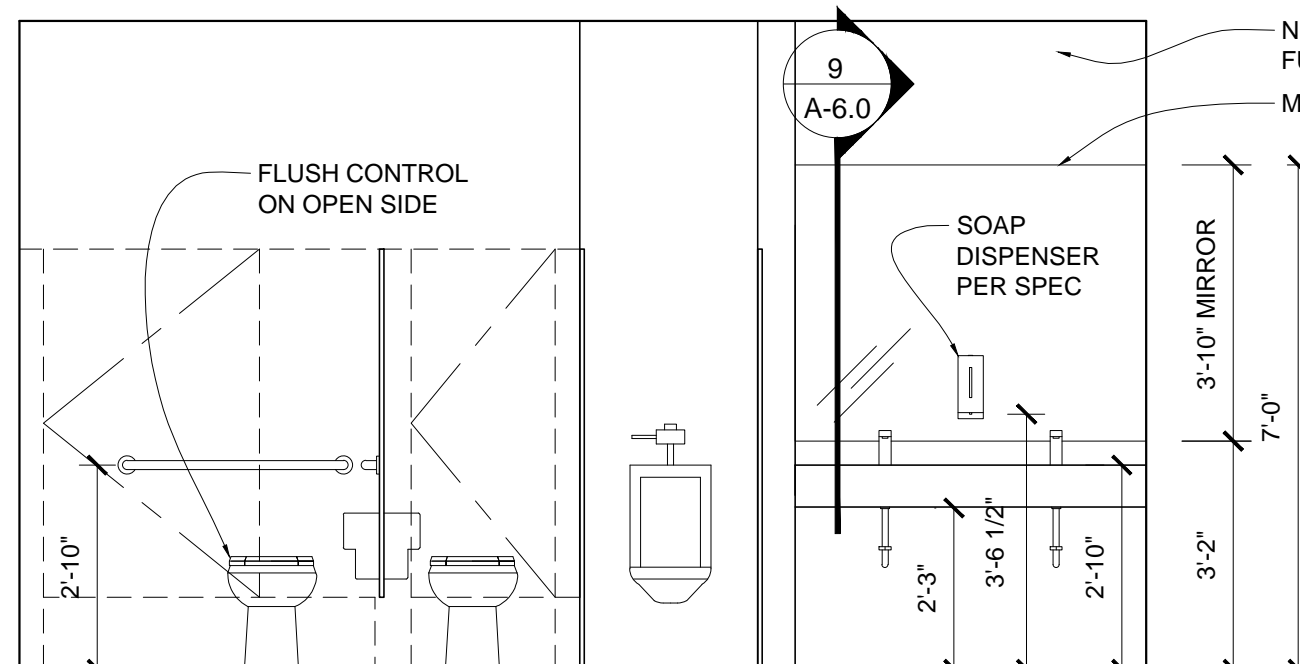
3 110 MEN  
SCALE: 3/8" = 1'-0"



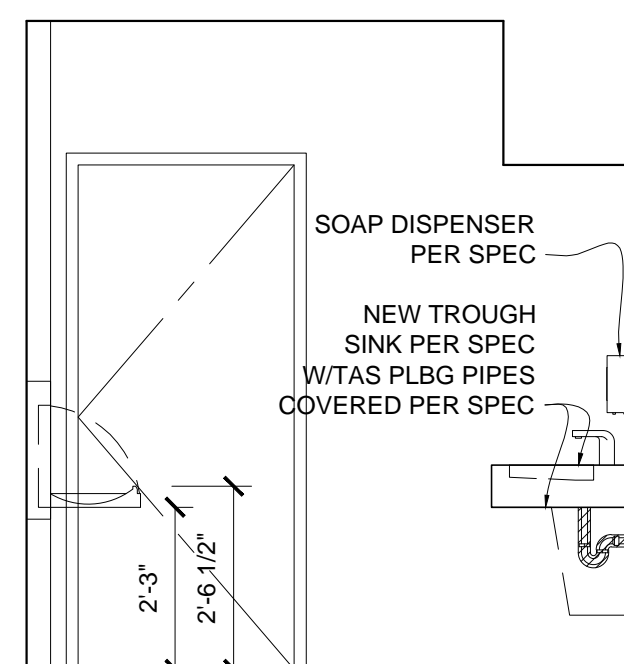
5 EAST INT ELEV: 110 MEN  
SCALE: 3/8" = 1'-0"



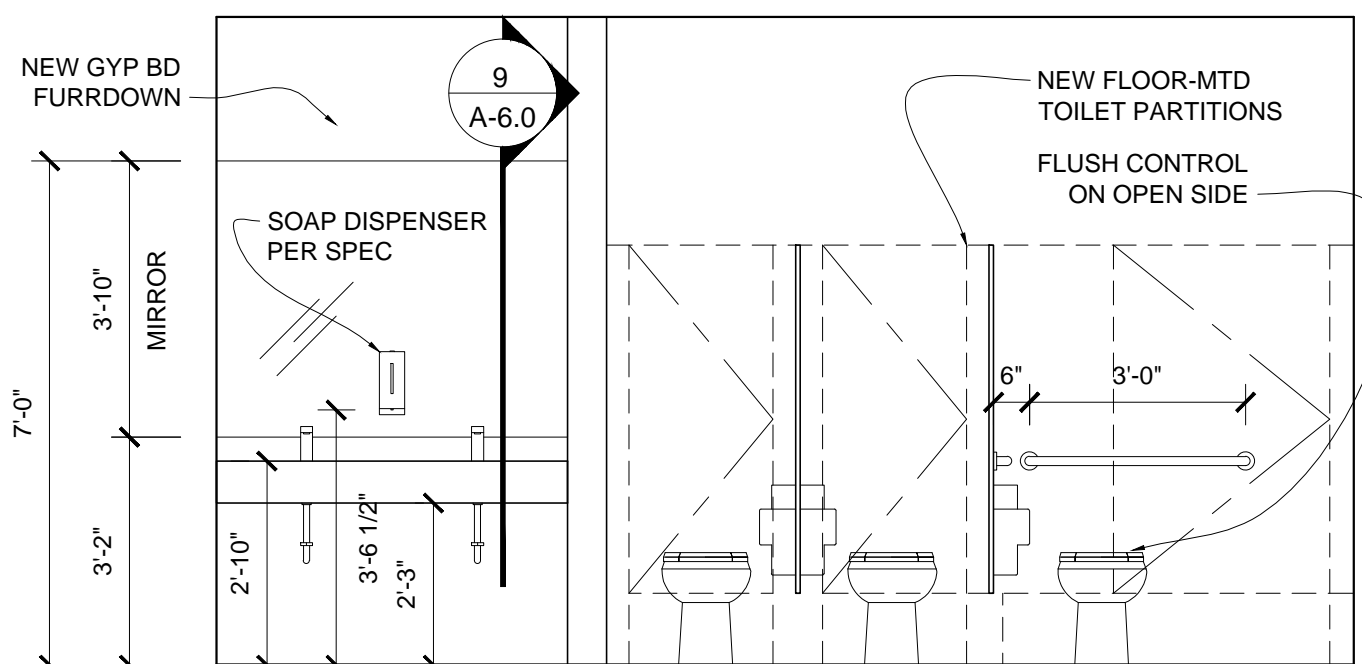
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SCALE: 3/8" = 1'-0"



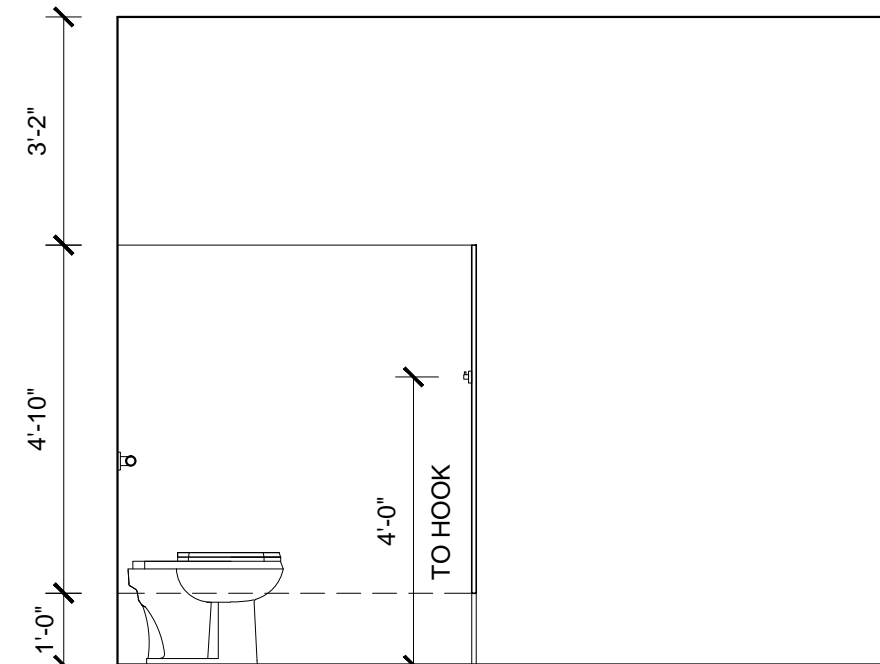
7 WEST INT ELEV: 110 MEN  
SCALE: 3/8" = 1'-0"



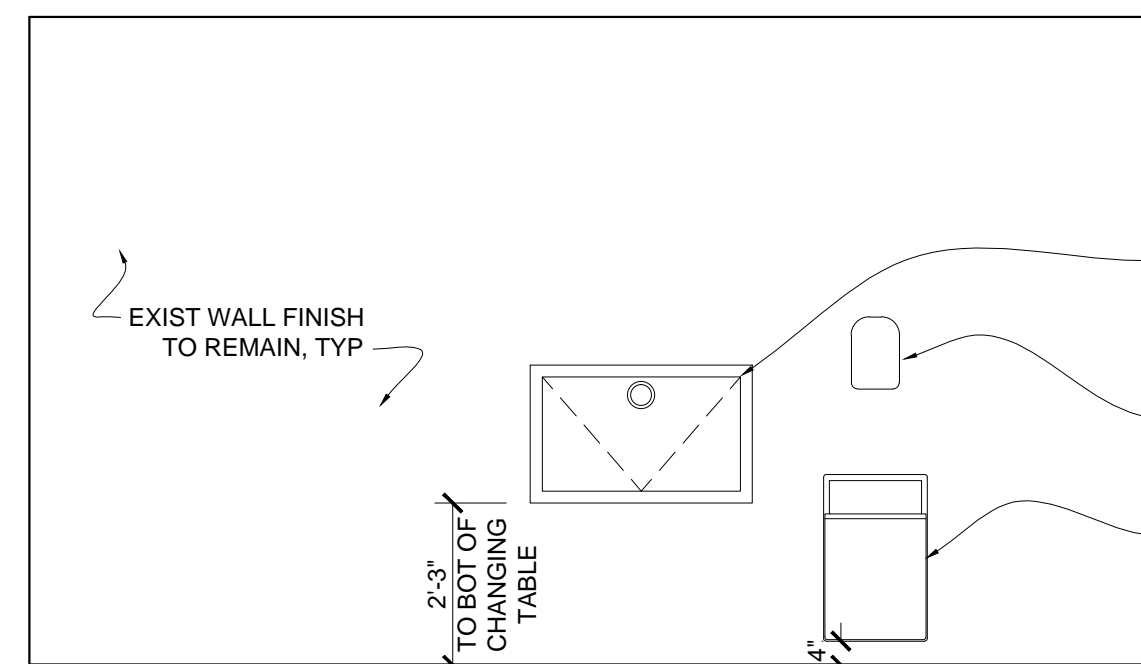
8 N. INT ELEV: 112 WOMEN  
SCALE: 3/8" = 1'-0"



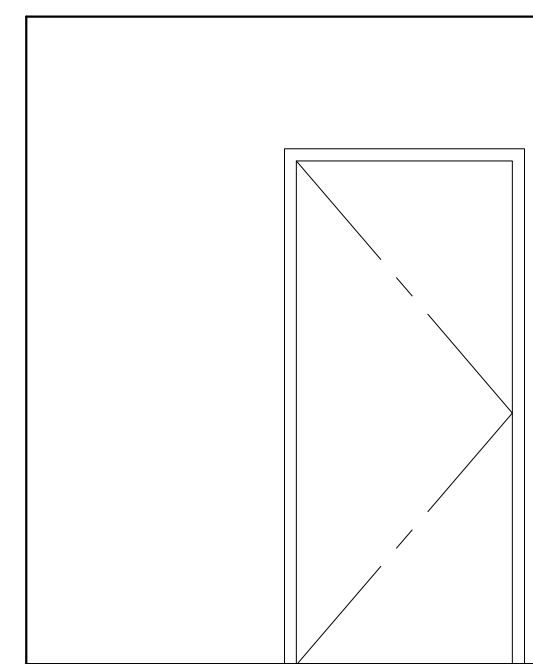
10 EAST INT ELEV: 112 WOMEN  
SCALE: 3/8" = 1'-0"



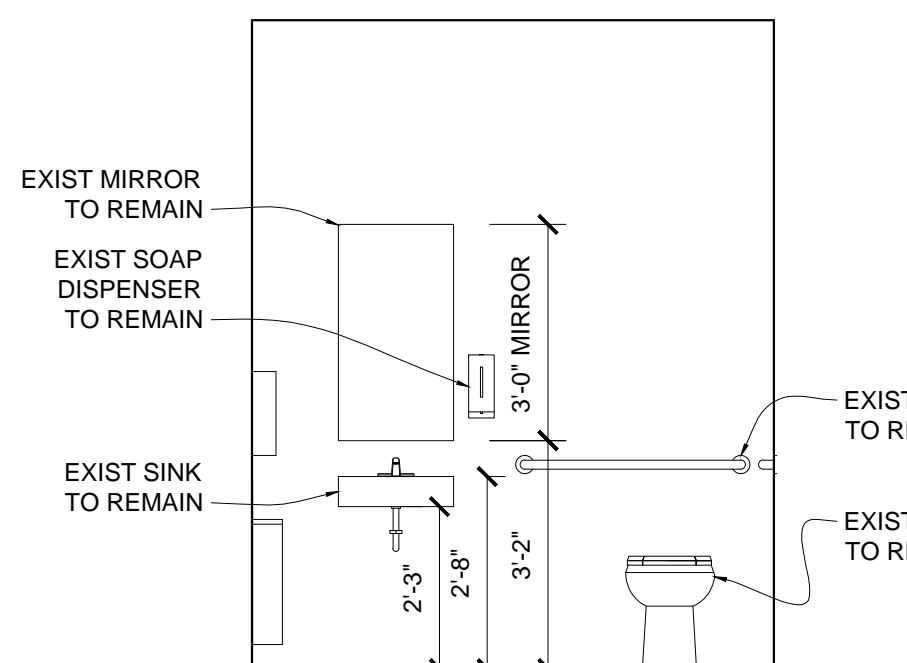
11 S. INT ELEV: 112 WOMEN  
SCALE: 3/8" = 1'-0"



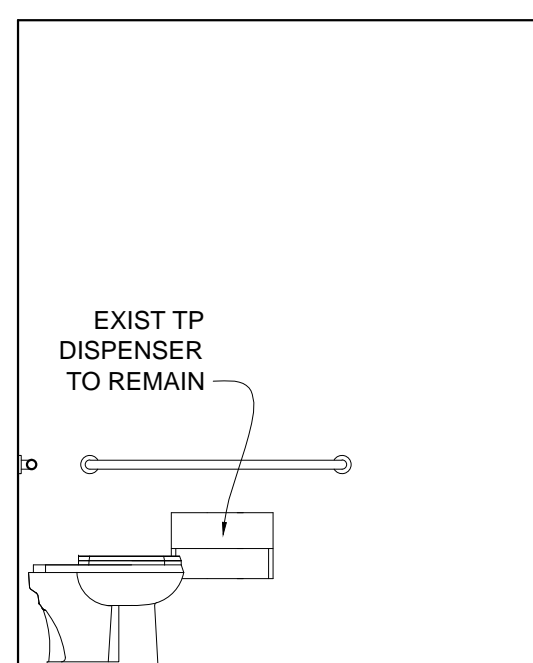
12 WEST INT ELEV: 112 WOMEN  
SCALE: 3/8" = 1'-0"



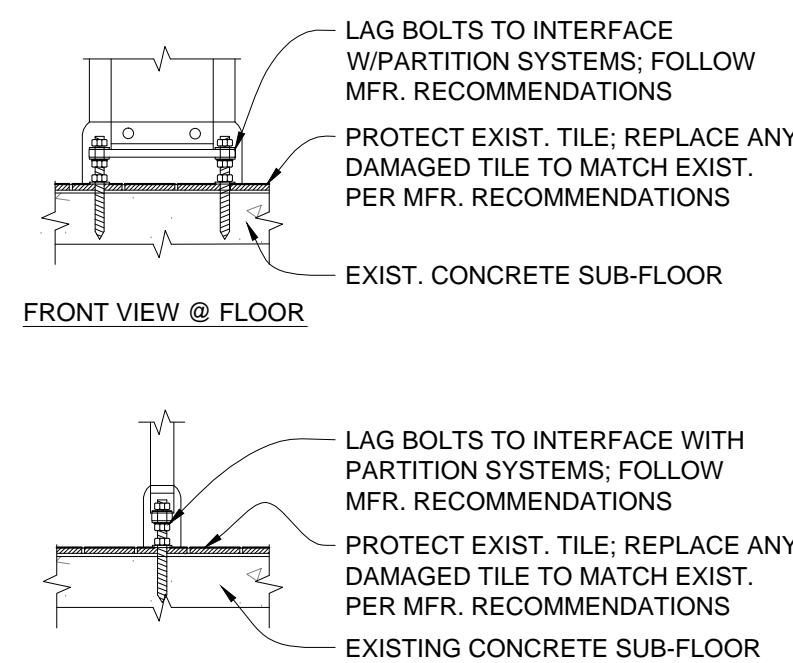
13 N. INT ELEV: 107 STAFF  
SCALE: 3/8" = 1'-0"



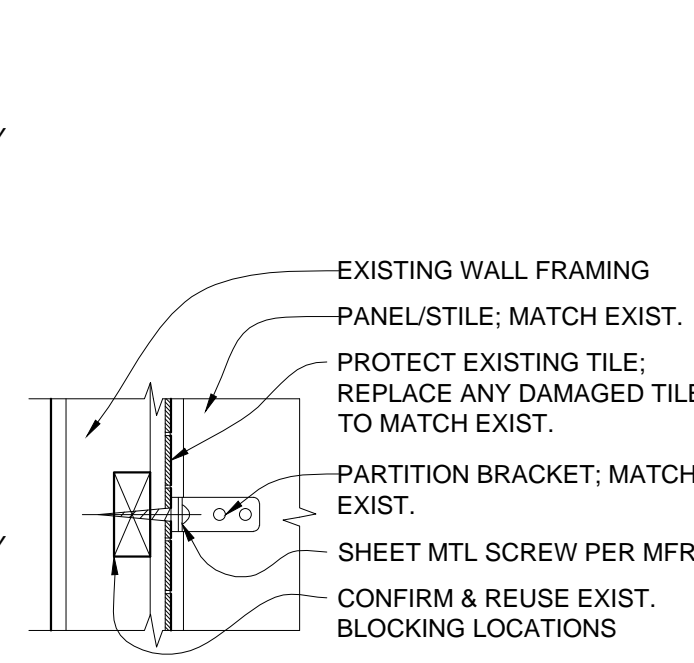
15 S. INT ELEV: 107 STAFF  
SCALE: 3/8" = 1'-0"



16 W. INT ELEV: 107 STAFF  
SCALE: 3/8" = 1'-0"

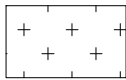


**17 TYP PARTITION DETAILS**  
SCALE: 1 1/2" = 1'-0" 0 2" 6" 1' SIM: ALL PARTITION CONNECTIONS TO FLOORS AND WALLS SEE MFG. RECOMMENDATIONS



18 **TYP PARTITION BRACE**  
SCALE: 1 1/2" = 1'-0"



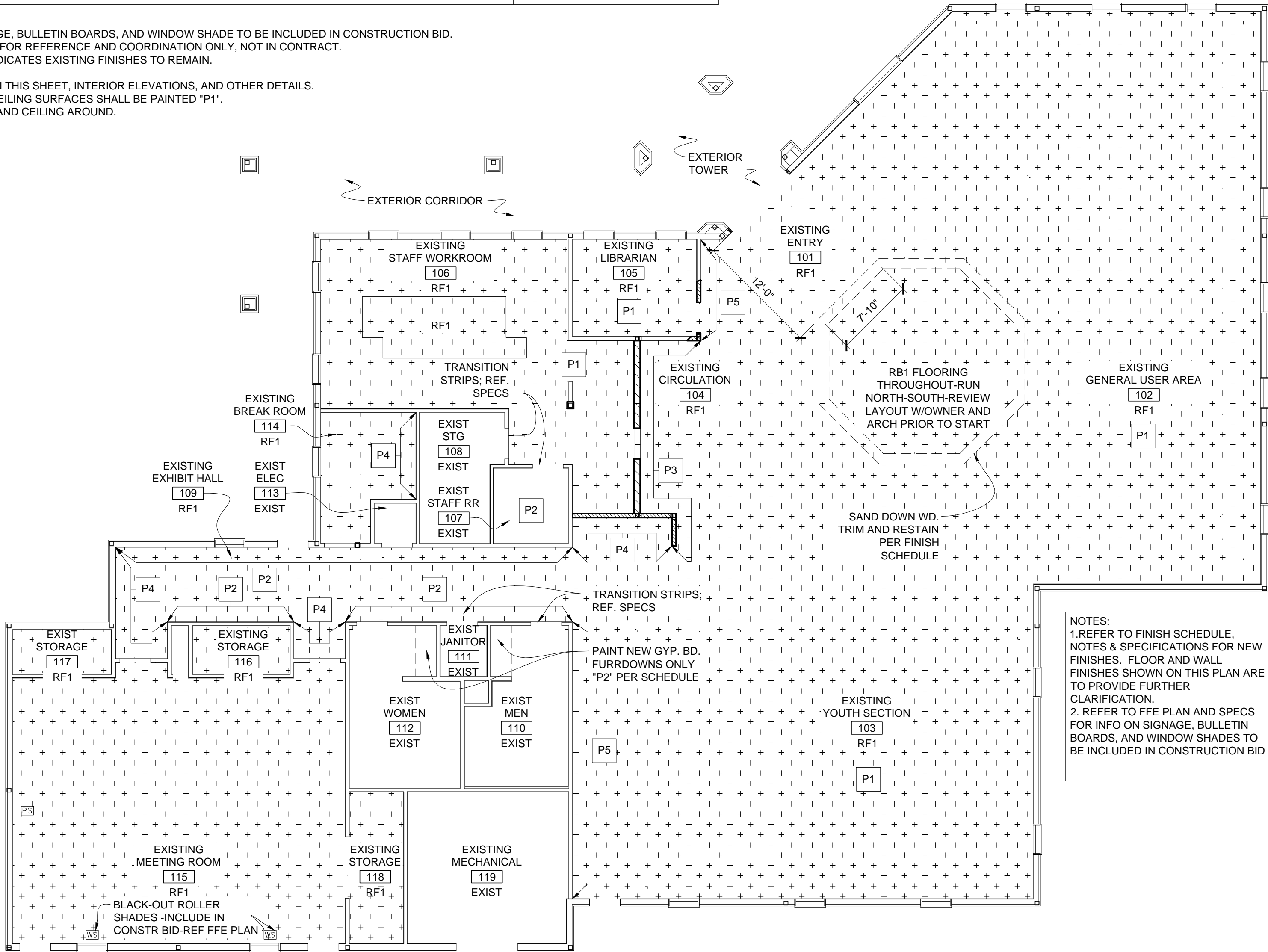


FINISH LEGEND	
ABBREV	DESCRIPTION
RF1	ARMSTRONG LVT FLOORING: VIVERO BEST, U2010 - AMBER GLOW
ACT	2' x 2' LAY-IN ACOUSTICAL TILE; REF GENERAL NOTES
GYP	5/8" TYPE-X GYPSUM BOARD
RB	ROPPE VINYL WALL BASE: 100 BLACK, 1/8" x 4" TALL
P1	SW 7013 IVORY LACE
P2	SW 7029 AGREEABLE GRAY
P3	SW 6905 GOLDFINCH
P4	SW 6855 DRAGON FRUIT
P5	SW 6615 PEPPERY
WS	WINDOW SHADES-REF FFE PLAN
PS	PROJECTION SCREEN W/ CLG MOUNTED PROJECTOR-OWNER PROVIDED, CONTRACTOR INSTALLED

FINISH LEGEND NOTES:  
1. REFER TO SPECIFICATION SECTIONS FOR MANUFACTURERS (OR EQUAL AND APPROVED), STYLE, AND INSTALLATION/APPLICATION INSTRUCTIONS, TYP.  
2. REFERENCE SHEET A-3.0 FOR EXTERIOR PAINT LOCATIONS.

FINISH SCHEDULE									
ROOM #	ROOM NAME	FLOOR	BASE	WALLS				CEILING	REMARKS
				NORTH	EAST	SOUTH	WEST		
101	ENTRY	RF1	RB	GYP, P1	-	-	GYP, P5	EXIST GYP, P2	-
102	GENERAL USER AREA	RF1	RB	P1	P1	P1	P1	EXIST ACT, GYP AT OCTAGON: P1	PROTECT EXIST PUBLIC ARTWORK, AT OCTAGONAL CLG. SAND AND RESTAIN WD. TRIM WITH CLEAR STAIN, PAINT AROUND ARTWORK P1, REPAIR DAMAGE TO ARTWORK
103	YOUTH SECTION	RF1	RB	-	P1	P1	P1	EXIST, GYP, P1	-
104	CIRCULATION	RF1	RB	P3	-	P3	P3	GYP P2	-
105	LIBRARIAN	RF1	RB	P1	P1	P1	P1	EXIST, ACT	-
106	STAFF WORKROOM	RF1	RB	P1	P1	P1	P1	EXIST, ACT	-
107	STAFF RESTROOM	EXIST	EXIST	P2	P2	P2	P2	P1	-
108	STORAGE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	-
109	EXHIBIT HALL	RF1	RB	P2, P6	-	P2, P6	P6	P1, EXIST	CHAIR RAIL: P1
110	MEN	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST, GYP, P1	-
111	JANITOR	EXIST	EXIST	P2	P2	P2	P2	EXIST	-
112	WOMEN	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST, GYP, P1	-
113	ELECTRICAL	EXIST	EXIST	P2	P2	P2	P2	EXIST	-
114	BREAK ROOM	RF1	RB	P2	P2,P5	P2	P2	EXIST	-
115	MEETING ROOM	RF1	RB	P1	P1	P1	P1	EXIST	-
116	STORAGE	RF1	RB	P1	P1	P1	P1	EXIST	-
117	STORAGE	RF1	RB	P1	P1	P1	P1	EXIST	-
118	STORAGE	RF1	RB	P1	P1	P1	P1	EXIST	-
119	MECHANICAL	EXIST	EXIST	P2	P2	P2	P2	EXIST	-
EXISTING EXTERIOR METAL DOORS				TBD					-

FINISH SCHEDULE NOTES:  
1. REFERENCE A-1.1 FFE PLAN AND SPECS FOR SIGNAGE, BULLETIN BOARDS, AND WINDOW SHADE TO BE INCLUDED IN CONSTRUCTION BID. REMAINDER OF ITEMS IN FEE PLAN ARE INCLUDED FOR REFERENCE AND COORDINATION ONLY, NOT IN CONTRACT.  
2. NEW FINISHES ARE LISTED IN SCHEDULE. "EXIST" INDICATES EXISTING FINISHES TO REMAIN.  
3. REPLACE/REPAIR DAMAGED ITEMS AS NEEDED.  
4. COORDINATE FINISH SCHEDULE WITH DRAWINGS ON THIS SHEET, INTERIOR ELEVATIONS, AND OTHER DETAILS.  
5. UNLESS NOTED OTHERWISE, ALL GYPSUM BOARD CEILING SURFACES SHALL BE PAINTED "P1".  
6. REPAINT BEAM IN YOUTH AREA P1 TO MATCH WALL AND CEILING AROUND.



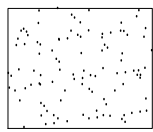
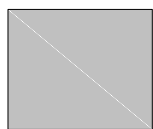
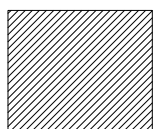
NOTES:  
1.REFER TO FINISH SCHEDULE, NOTES & SPECIFICATIONS FOR NEW FINISHES. FLOOR AND WALL FINISHES SHOWN ON THIS PLAN ARE TO PROVIDE FURTHER CLARIFICATION.  
2. REFER TO FFE PLAN AND SPECS FOR INFO ON SIGNAGE, BULLETIN BOARDS, AND WINDOW SHADES TO BE INCLUDED IN CONSTRUCTION BID

- GENERAL NOTES
- REPORT ANY AND ALL DISCREPANCIES, ERRORS, AND/OR OMISSIONS IN THE DOCUMENTS TO THE ARCHITECT PRIOR TO THE ORDERING OF ANY MATERIALS AND/OR THE COMMENCEMENT OF CONSTRUCTION.
  - ALL DIMENSIONS SHALL BE VERIFIED AT JOBSITE PRIOR TO START OF CONSTRUCTION.
  - EXISTING PAINT ON THE CEILING AND EXPOSED STRUCTURE IS TO REMAIN. PROTECT SURFACES DURING CONSTRUCTION.
  - EXISTING MURALS/PAINTED DETAILS ARE AN ART IN PUBLIC PLACES INSTALLATION AND **MUST BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.**
  - EXISTING ACOUSTICAL CEILING TO REMAIN UNLESS INDICATED OTHERWISE. REPLACE DAMAGED OR STAINED TILES AS REQUIRED TO MATCH EXISTING. REVIEW QUANTITY WITH ARCHITECT.
  - REFER TO SPECIFICATIONS FOR TYPES, SIZES AND GAUGES OF TRANSITION STRIPS.
  - PROVIDE PREFINISHED TRIM AND SEALANT, ETC. AS INDICATED AND AS NEEDED PER SPECIFICATIONS. WRAP, LAP, AND SEAL ALL CORNERS, TYP. PER SPECIFICATIONS AND MANUFACTURER RECOMMENDATIONS. PROVIDE CONTINUOUS TRIM PIECES AND TRIM NEATLY AT TERMINATIONS, TYP. PROVIDE SHOP DRAWINGS AND SUBMITTALS ON ALL TRIM PIECES PER SPECIFICATIONS, TYP.
  - PROVIDE PAINT SAMPLES/MOCKUPS PER SPECS. REVIEW ALL SELECTIONS/LAYOUTS WITH OWNER AND ARCHITECT PRIOR TO START.



REVISIONS	

## CEILING TYPES

NEW 5/8" TYPE-X  
GYPSUM BOARDNEW LAY-IN ACT  
(REF. REFLECTED  
CLG PLAN NOTES  
FOR ACT SIZES)INFILL 5/8" TYPE-X  
GYPSUM BOARD

## SYMBOLS LEGEND

NOTE: EXISTING FIXTURES SHOWN IN GRAYSCALE ON PLAN. REFER TO MEP DRAWINGS.

2' x 4' CEILING LIGHT PANEL

RECESSED LED 6" CAN

PENDANT LIGHT

RECESSED LIGHT

EXIT LIGHT

EXTERIOR SCENCE

RECESSED 6" LED WALL WASHER

SURFACE-MOUNT LED

LINEAR LED PENDANT

SUPPLY AIR DIFFUSER

RETURN AIR GRILLE

DUPLX OUTLET

DATA OUTLET

THERMOSTAT

SMOKE DETECTOR

EXHAUST FAN

## LEGEND

WALL TYPE A:  
NEW INTERIOR PARTITION WALL WITH 3 5/8" METAL  
STUDS @ 16" O.C. WITH 5/8" TYPE-X GYP. BD. EACH  
SIDE, TYP.; REF. 1/A-6.0WALL TYPE B:  
NEW INTERIOR PARTITION WALL WITH 6" METAL  
STUDS @ 16" O.C. WITH 5/8" TYPE-X GYP. BD. EACH  
SIDE, TYP.; REF. 1/A-6.0

EXISTING EXTERIOR PARTITION WALLS TO REMAIN

EXISTING INTERIOR PARTITION WALLS TO REMAIN

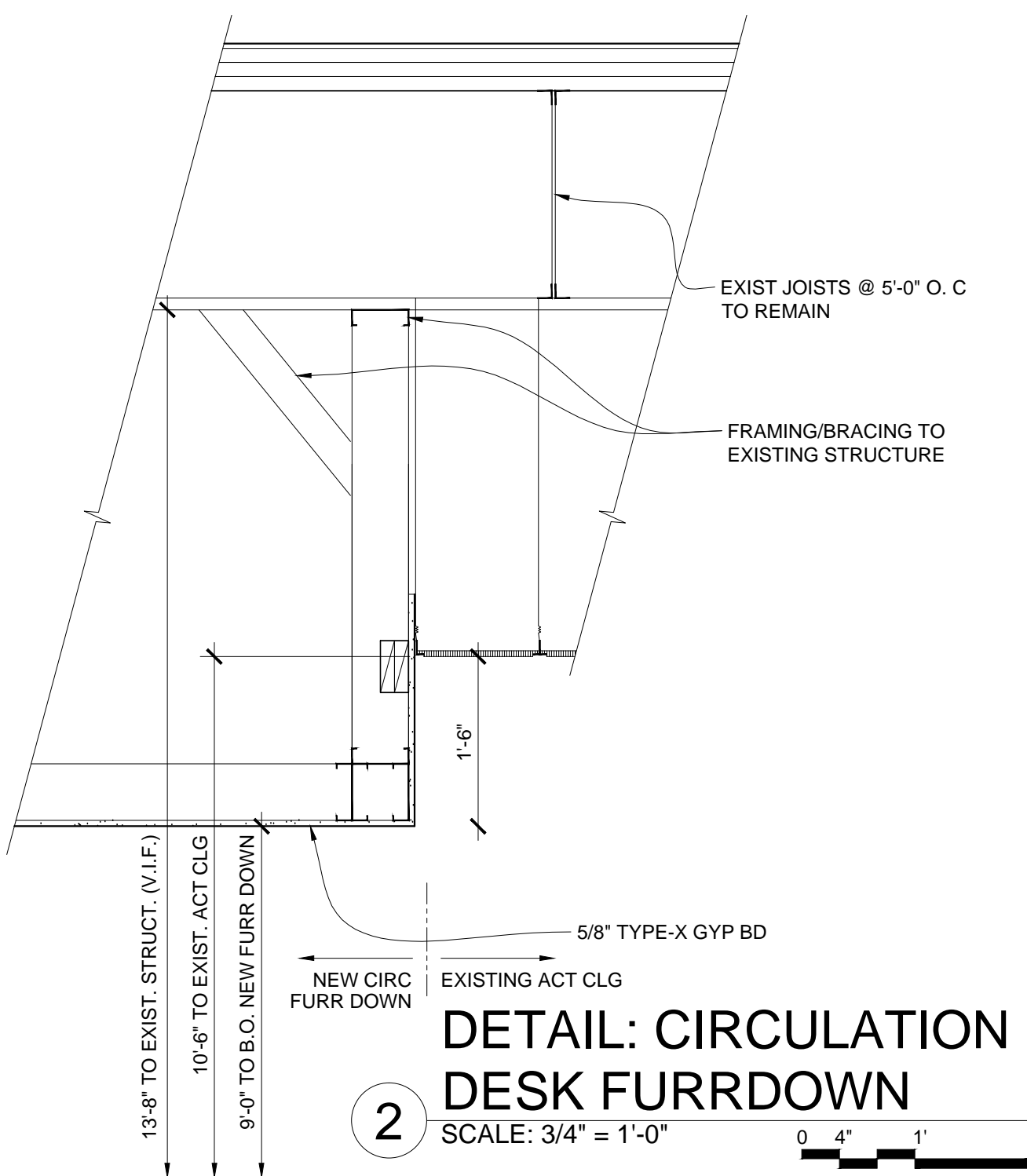
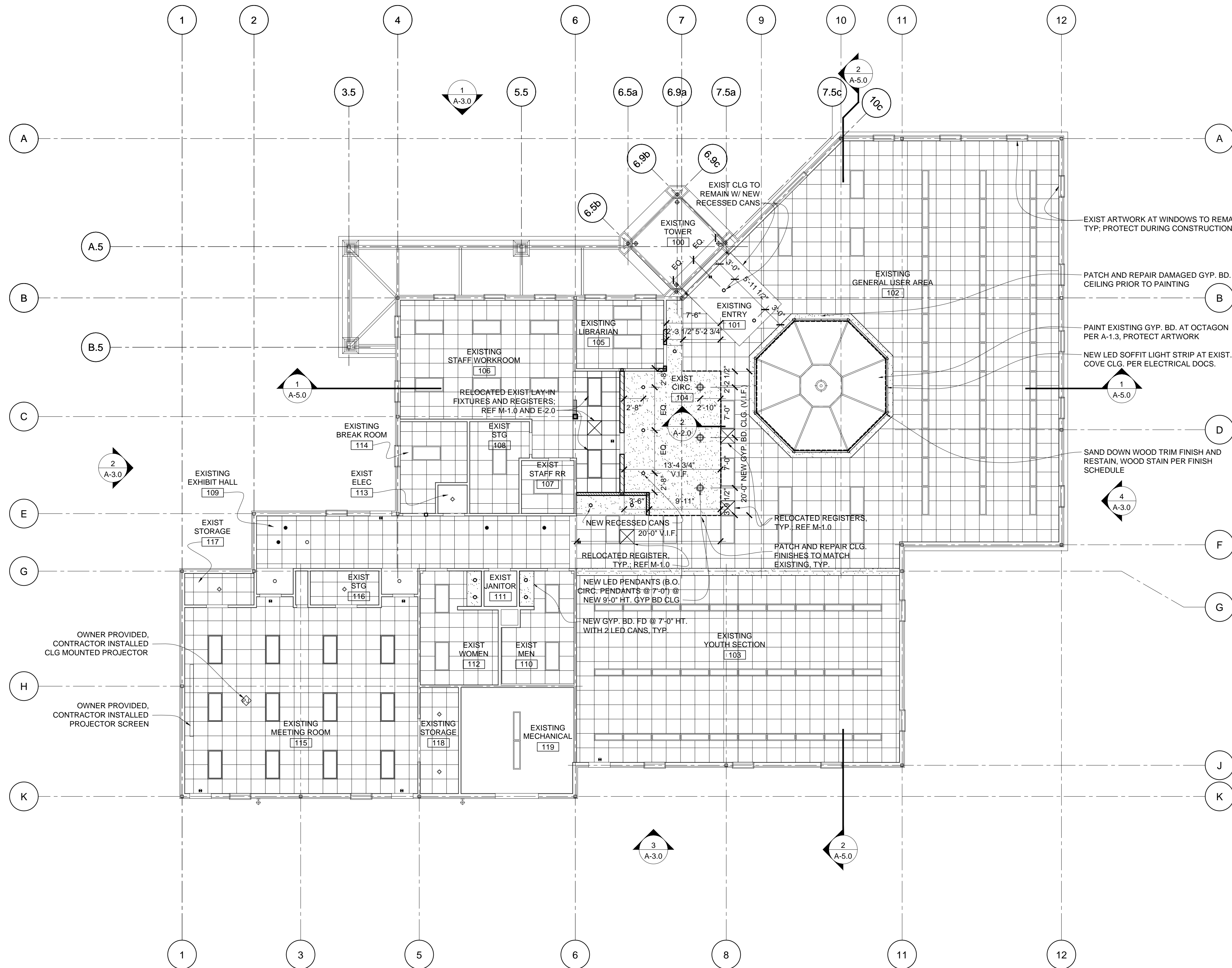
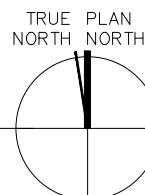
EXIST COLUMNS TO REMAIN

EXIT

EXISTING WALLS TO BE DEMOLISHED

## GENERAL NOTES

- IF NOT OTHERWISE DIMENSIONED, CENTER FIXTURES IN SPACE AS DRAWN.
- REFER TO MEP DOCUMENTS FOR INFORMATION ON LIGHTING, DIFFUSERS, FIRE AND SECURITY DEVICES, HVAC, AND OTHER MEP ITEMS, TYP. TO VERIFY LOCATIONS. IF DISCREPANCIES ARE FOUND, NOTIFY CONSULTANTS PRIOR TO START OF WORK TO RESOLVE IN A TIMELY MANNER. LAY OUT AND REVIEW ALL LOCATIONS IN FIELD WITH ARCHITECT AND ENGINEER PRIOR TO START, TYPICAL.
- REFER TO E-2.0 AND E-3.0 FOR LIGHT FIXTURE SPECIFICATIONS AND E-1.0 FOR POWER.
- NEW PENDANTS AT CIRCULATION DESK AND OCTAGON SHALL BE "RED CERAMIC" FINISH BY MANUFACTURER; REF. ELEC FOR FIXTURE.
- BLOCKING IN CEILINGS SHALL BE PROVIDED FOR ELEMENTS MOUNTED TO CEILINGS, SUCH AS ELECTRICAL FIXTURES, HVAC, ETC. PROVIDE PER MANUFACTURER RECOMMENDATIONS, TYP. BLOCKING IS NOT SHOWN, TYPICALLY.
- EXISTING APPROVED FIRE EXTINGUISHERS AND ALARMS SHALL REMAIN.
- EXISTING CEILINGS SHALL REMAIN UNLESS INDICATED OTHERWISE. TRANSITIONS BETWEEN EXISTING ELEMENTS AND REVISED, RENOVATED OR NEW ELEMENTS SHALL BE COORDINATED AND PROVIDED AS NEEDED SUCH THAT A COMPLETE, FINISHED AND WORKABLE INSTALLATION IS PROVIDED, TYPICALLY.
- PROVIDE DATA/POWER AT NEW CIRCULATION DESK, EXISTING SECURITY GATES, COPIER, COMPUTER STATIONS AND ALL FFE ITEMS AS REQUIRED; REF FFE PLAN A-1.1, ELECTRICAL E-1.0 AND E-2.0.
- REFER TO S-1.0 FOR CEILING FRAMING PLAN.

1 REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"STANLEY-  
SALAIZ  
JOINT VENTURE1901 EM FRANKLIN AVE  
AUSTIN, TEXAS 78723  
512.445.0444CITY OF AUSTIN  
CEPEDA LIBRARY RENOVATIONS  
651 NORTH PLEASANT VALLEY ROAD  
AUSTIN, TEXAS 78702

09/07/20

BID SET

ISSUE DATE: 09/07/2020

REVISIONS

NO.	DESCRIPTION	DATE

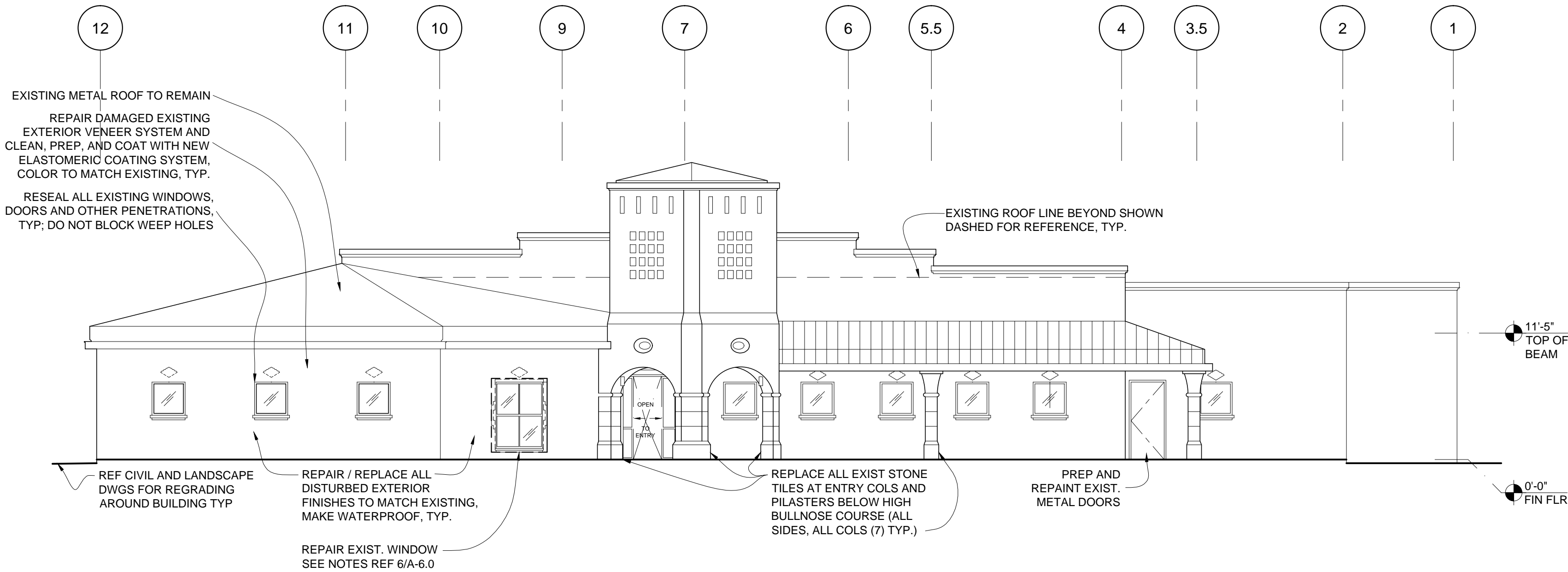
CITY OF AUSTIN

CEPEDA  
LIBRARY  
RENOVATIONS651 N PLEASANT VALLEY RD  
AUSTIN, TEXAS 78702REFLECTED CEILING  
PLAN

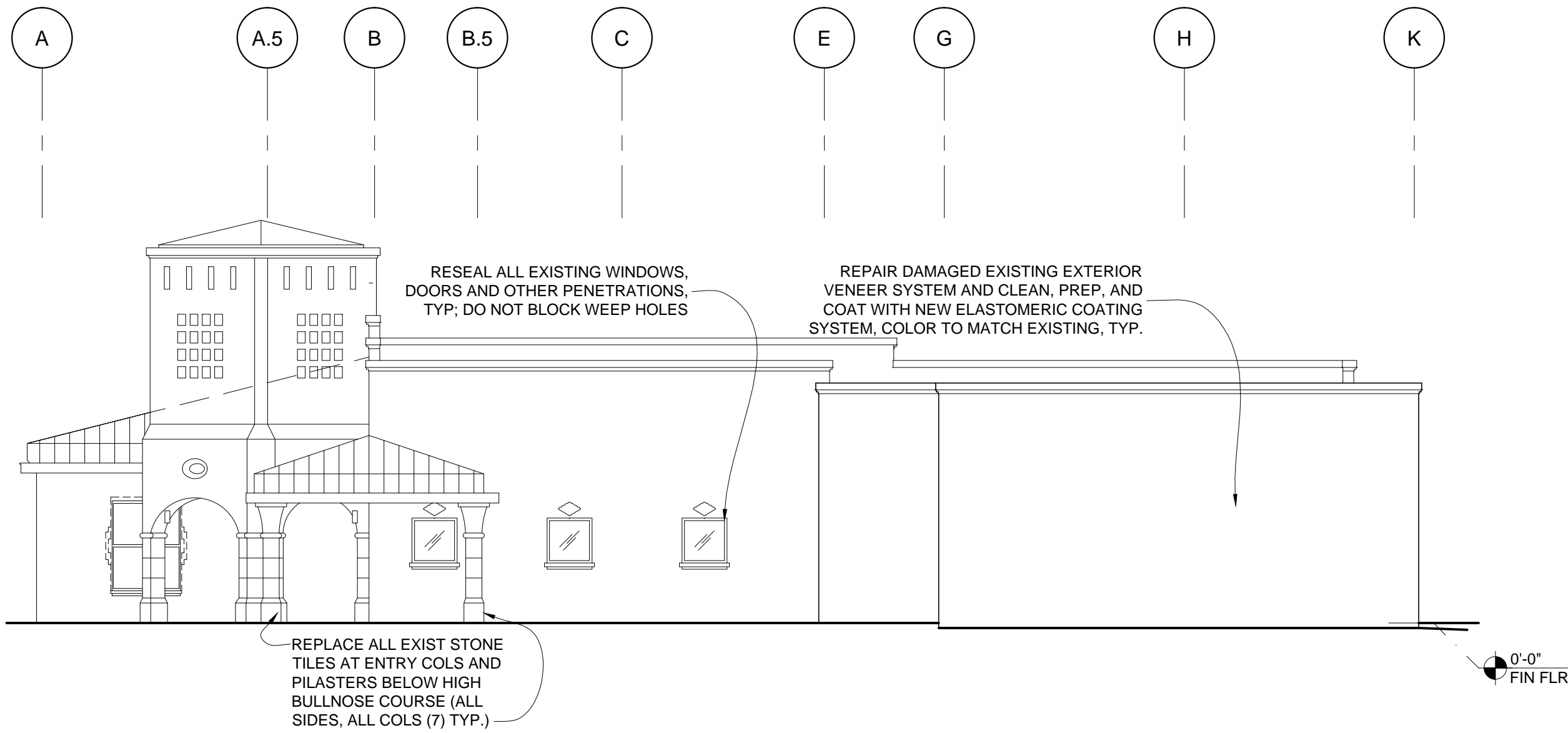
A-2.0

SHEET NO. 18 OF 36

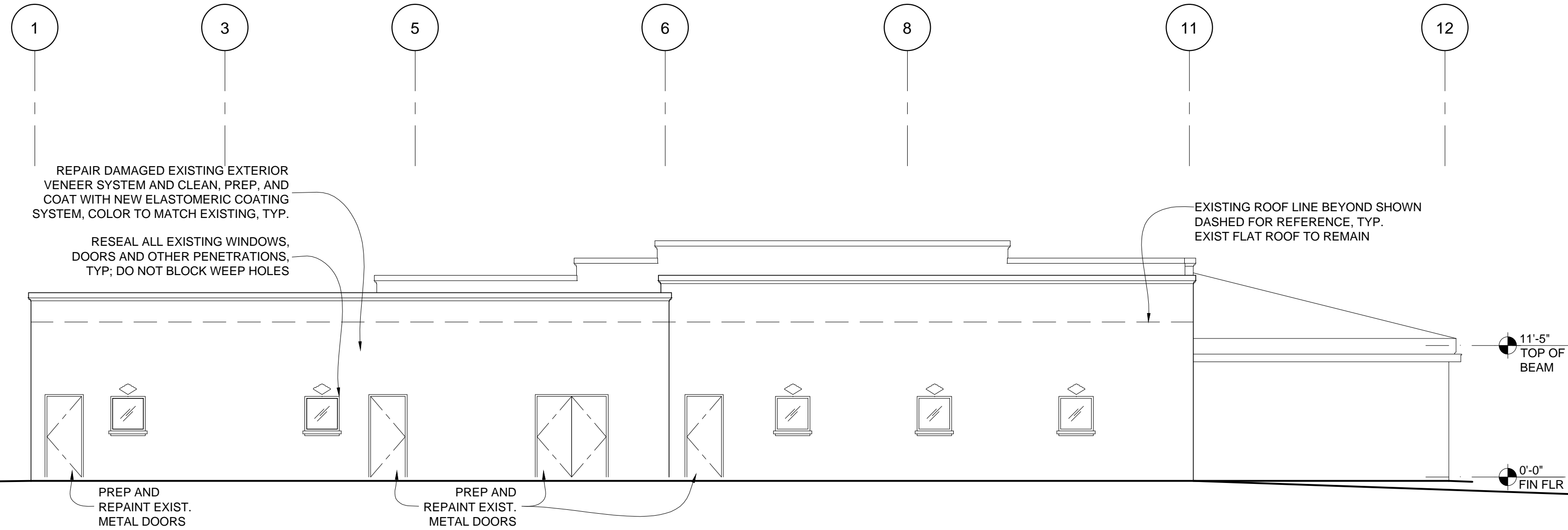
- GENERAL NOTES
- DIMENSIONS FOR EXISTING WALLS, FLOORS, ETC. MUST BE VERIFIED IN FIELD BY CONTRACTOR; REFERENCE OTHER DETAILS.
  - FOUNDATIONS AND STRUCTURAL ELEMENTS ARE INDICATED SCHEMATICALLY ONLY. REFERENCE STRUCTURAL DRAWINGS FOR ALL STRUCTURAL INFORMATION, TYP.
  - ALL STRUCTURE, STOREFRONT, AND CANOPY IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
  - REFERENCE FINISH SCHEDULE AND SPECS FOR PAINT COLORS AND TYPES, TYP.
  - REMOVE ALL OLD FINISHES AND PROVIDE FIELD PREPARATIONS PER MFR. RECOMMENDATIONS, TYP.; REF. SPECIFICATIONS.
  - ALL EXIST EXTERIOR DOORS AND WINDOWS TO REMAIN. DETAILS #4-6-A-6 FOR NORTH WINDOW REPAIR AT GENERAL USER AREA



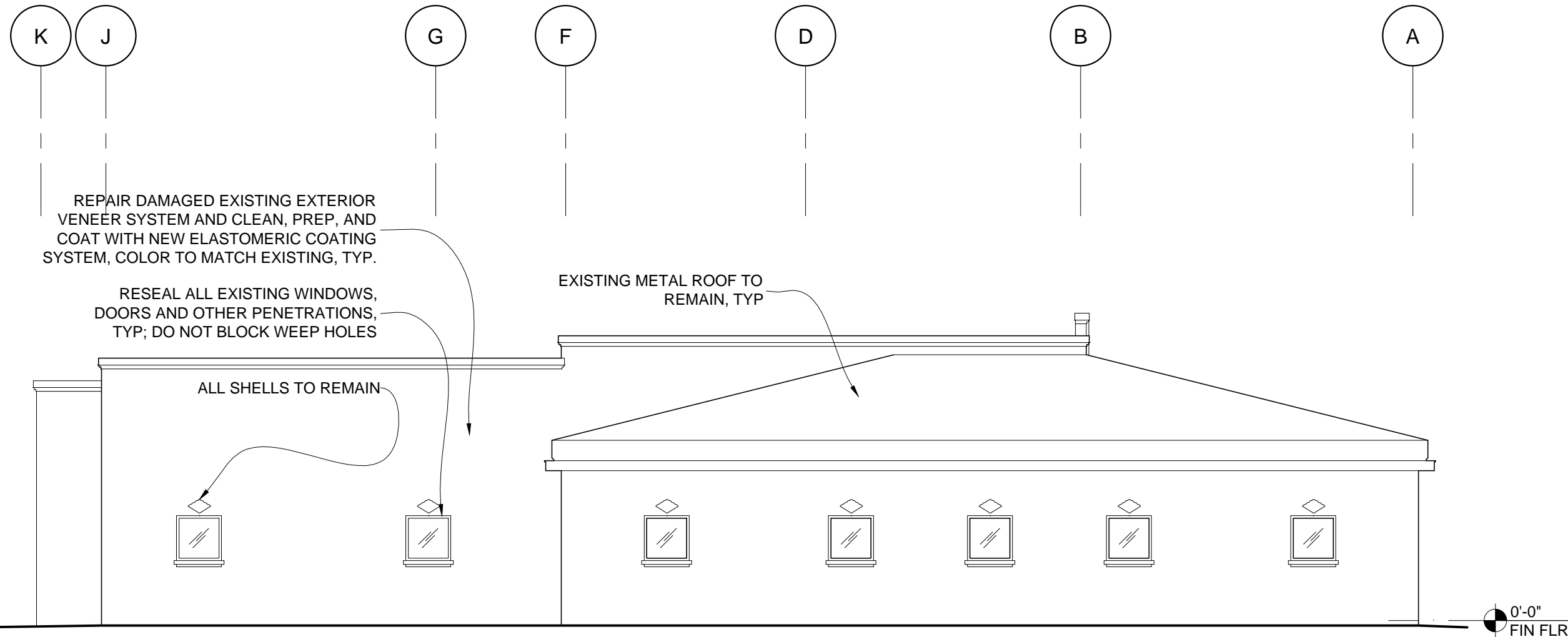
1 EXIST NORTH ELEVATION



2 EXIST WEST ELEVATION



3 EXIST SOUTH ELEVATION



4 EXIST EAST ELEVATION

STANLEY-SALAZ JOINT VENTURE

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AUSTIN, TEXAS 78702



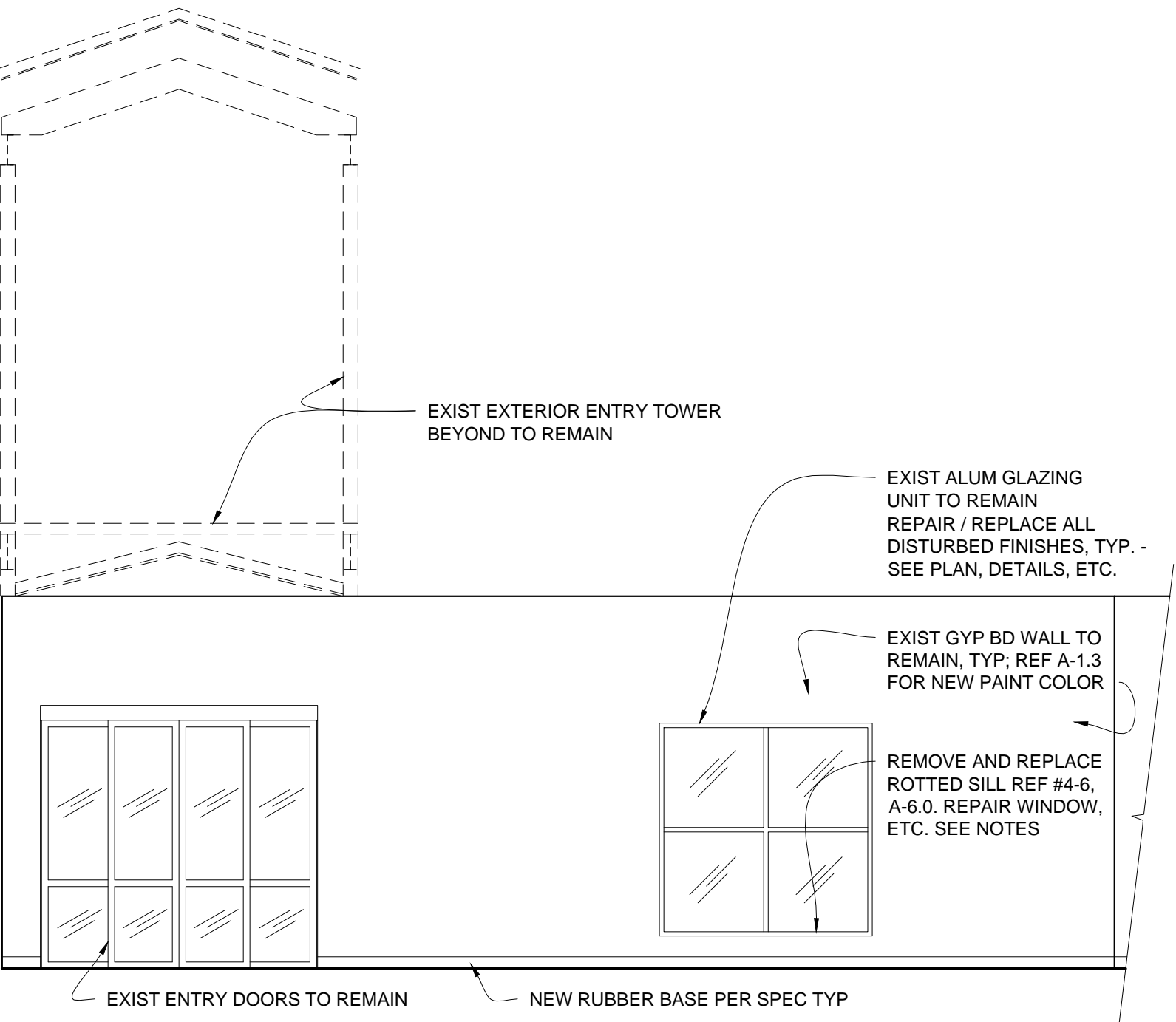
BID SET  
ISSUE DATE: 09/07/2020

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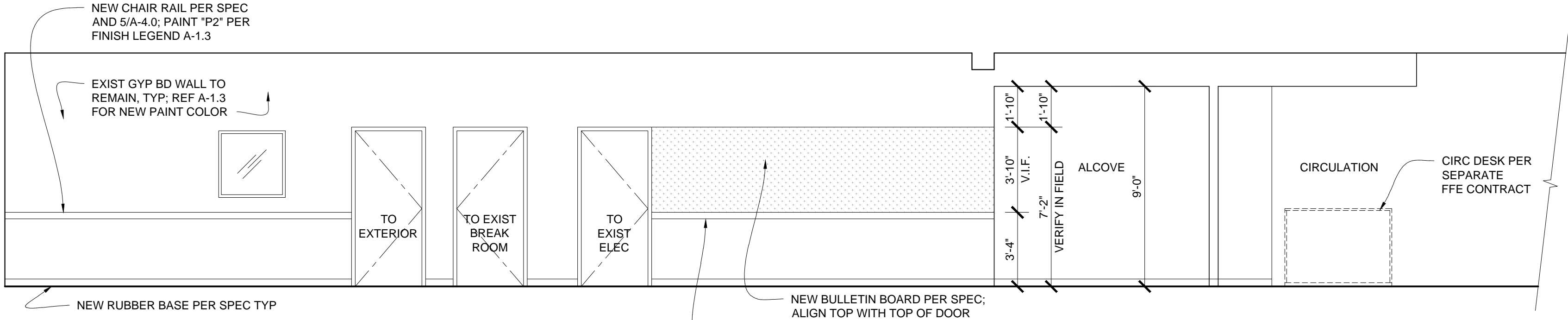
CITY OF AUSTIN  
CEPEDA  
LIBRARY  
RENOVATIONS  
651 N PLEASANT VALLEY RD  
AUSTIN, TEXAS 78702

EXTERIOR  
ELEVATIONS  
A-3.0  
SHEET NO. 19 OF 36

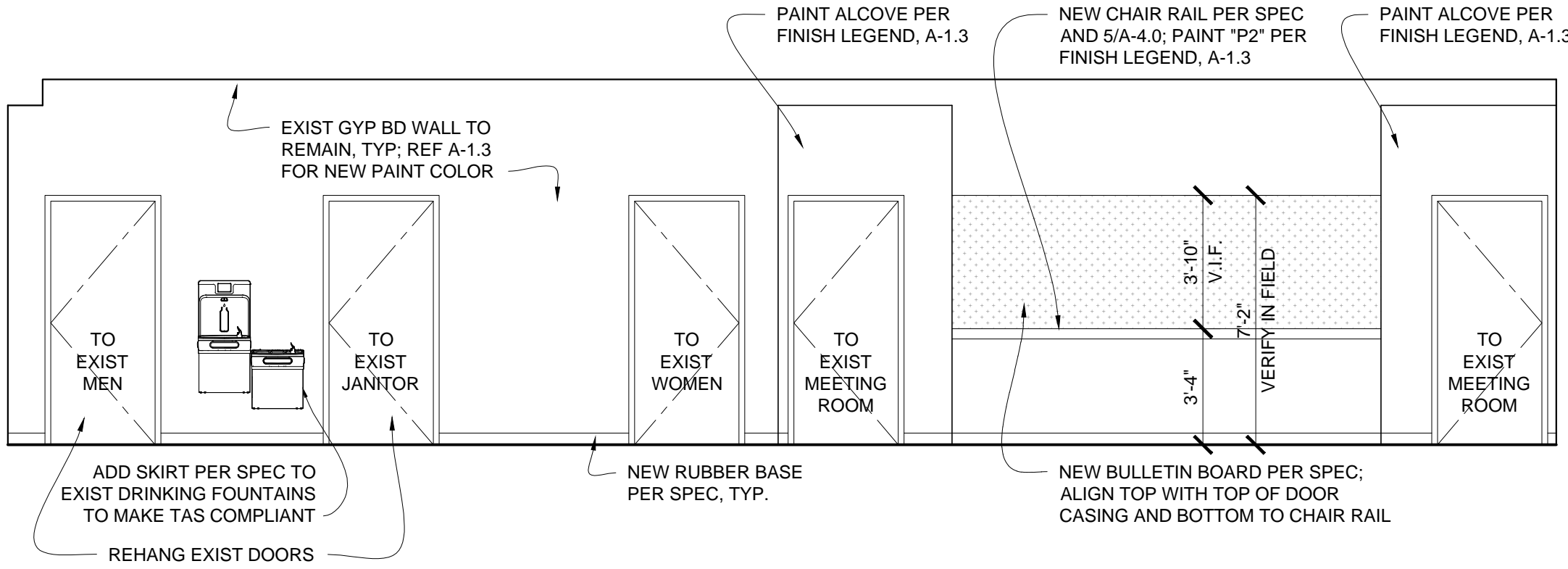




1 NORTHWEST INT ELEV: 101 ENTRY  
SCALE: 1/4" = 1'-0" 0 4' 8'

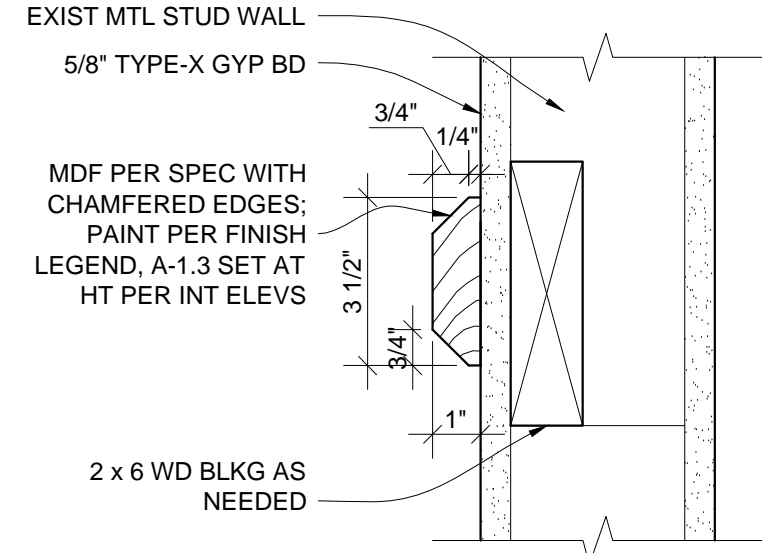


2 N INT ELEV: 109 EXIST EXHIBIT HALL  
SCALE: 1/4" = 1'-0" 0 4' 8'



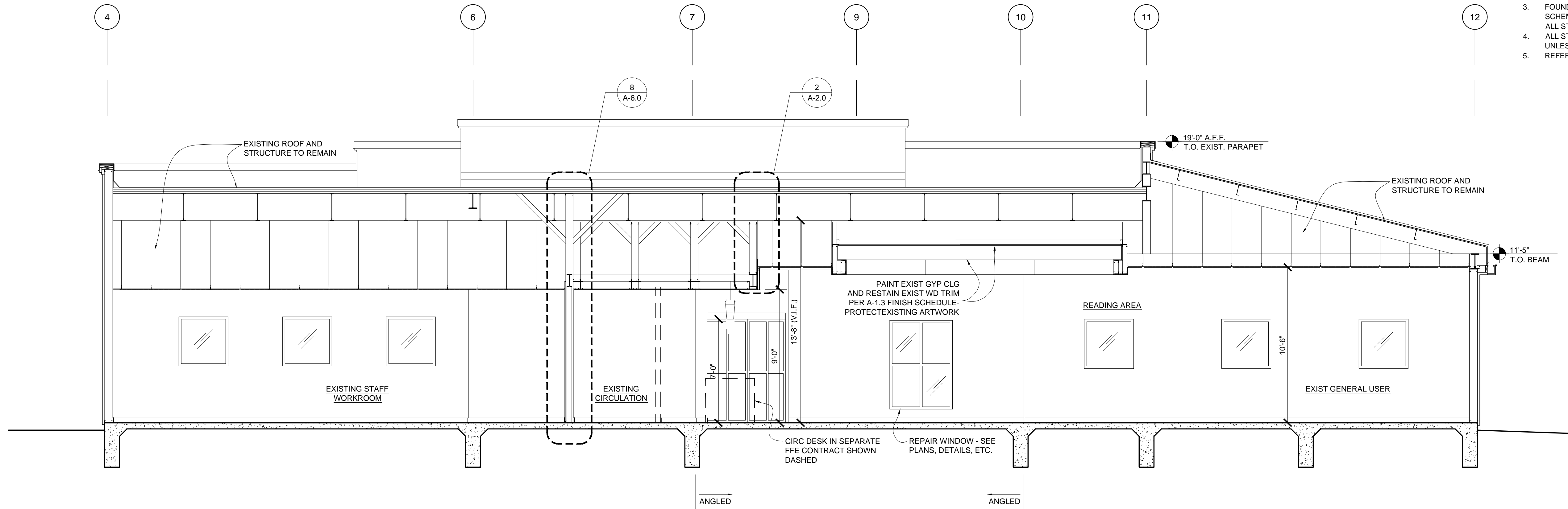
4 S INT ELEV: 109 EXIST EXHIBIT HALL  
SCALE: 1/4" = 1'-0" 0 4' 8'

- GENERAL NOTES**
1. REFERENCE A-1.3 AND SPECIFICATIONS FOR FINISH SCHEDULES AND ADDITIONAL INFORMATION.
  2. ALL ACCESSORIES, COUNTERS, SEATING, DOORS, ETC. SHALL BE MOUNTED OR INSTALLED IN COMPLIANCE WITH TAS AND ALL APPLICABLE CURRENT STANDARDS AND CODES, TYP.
  3. PROVIDE ALL BLOCKING IF NEEDED AND AS REQUIRED FOR ALL WALL- AND CEILING-MOUNTED ITEMS. PROVIDE INSTALLATIONS PER MANUFACTURER REQUIREMENTS AND COORDINATE WITH RELATED TRADES, TYP.

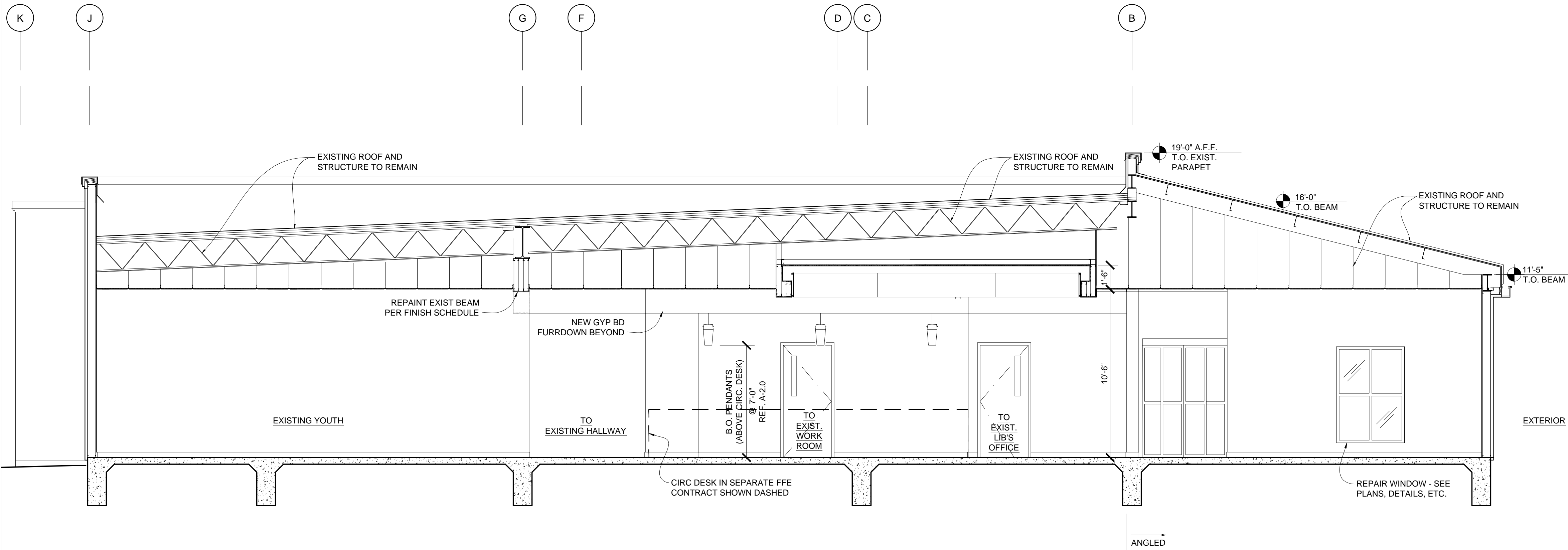


5 CHAIR RAIL DETAIL  
SCALE: 3" = 1'-0" 0 2' 6"

REVISIONS	



1 E-W BUILDING SECTION @ ENTRY



2 N-S BUILDING SECTION

GENERAL NOTES

1. DIMENSIONS FOR EXISTING WALLS, FLOORS, ETC. MUST BE VERIFIED IN FIELD BY CONTRACTOR. REFERENCE OTHER DETAILS.
2. INSULATION SHALL BE PER SPECIFICATIONS AND OTHER DETAILS. TYP. PROVIDE THERMAL BARRIERS, IGNITION BARRIERS, ETC. PER CODE AND MANUFACTURER RECOMMENDATIONS.
3. FOUNDATIONS AND STRUCTURAL ELEMENTS ARE INDICATED SCHEMATICALLY ONLY. REFERENCE STRUCTURAL DRAWINGS FOR ALL STRUCTURAL INFORMATION, TYP.
4. ALL STRUCTURE, STOREFRONT, AND EIFS IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
5. REFER TO S-1.0 FOR STRUCTURAL NOTES, PLANS, AND DETAILS.

STANLEY-SALAIZ  
JOINT VENTURE

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CITY OF AUSTIN  
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AUSTIN, TEXAS 78702

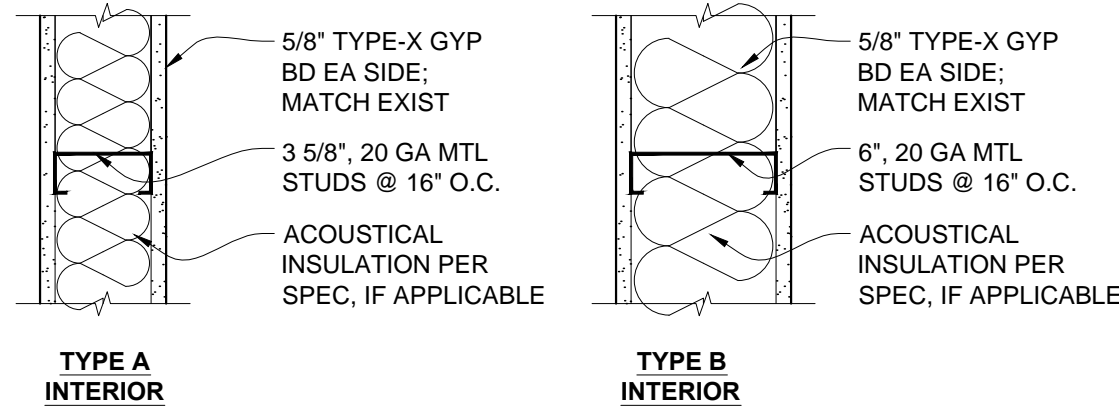


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ISSUE DATE: 09/07/2020

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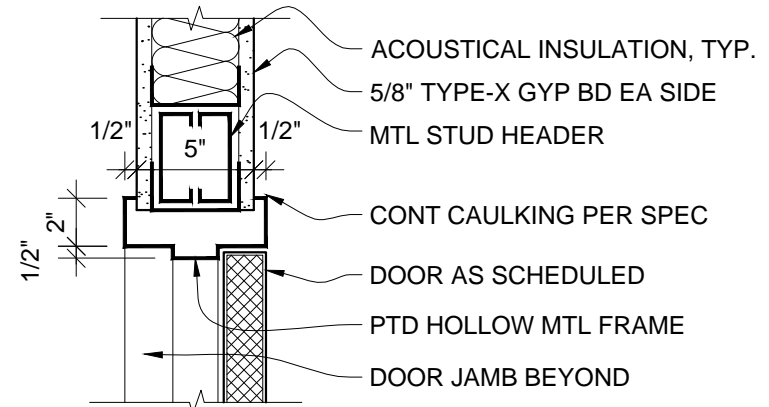
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BUILDING SECTIONS  
A-5.0  
SHEET NO. 21 OF 36



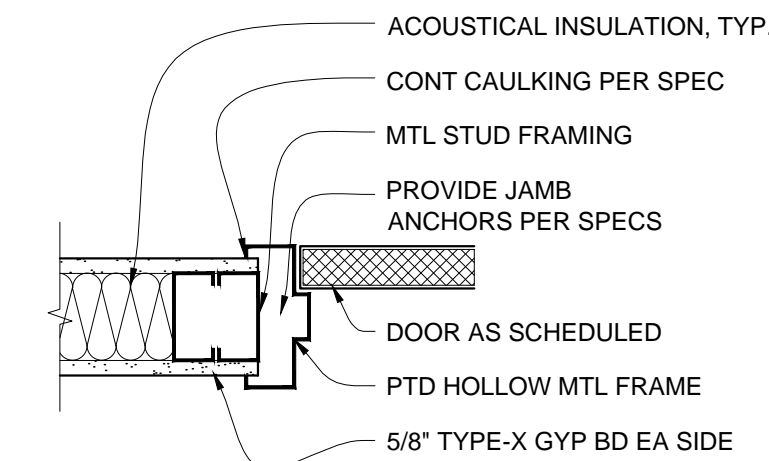
## 1 WALL TYPES

SCALE: 0 2' 6" 1'



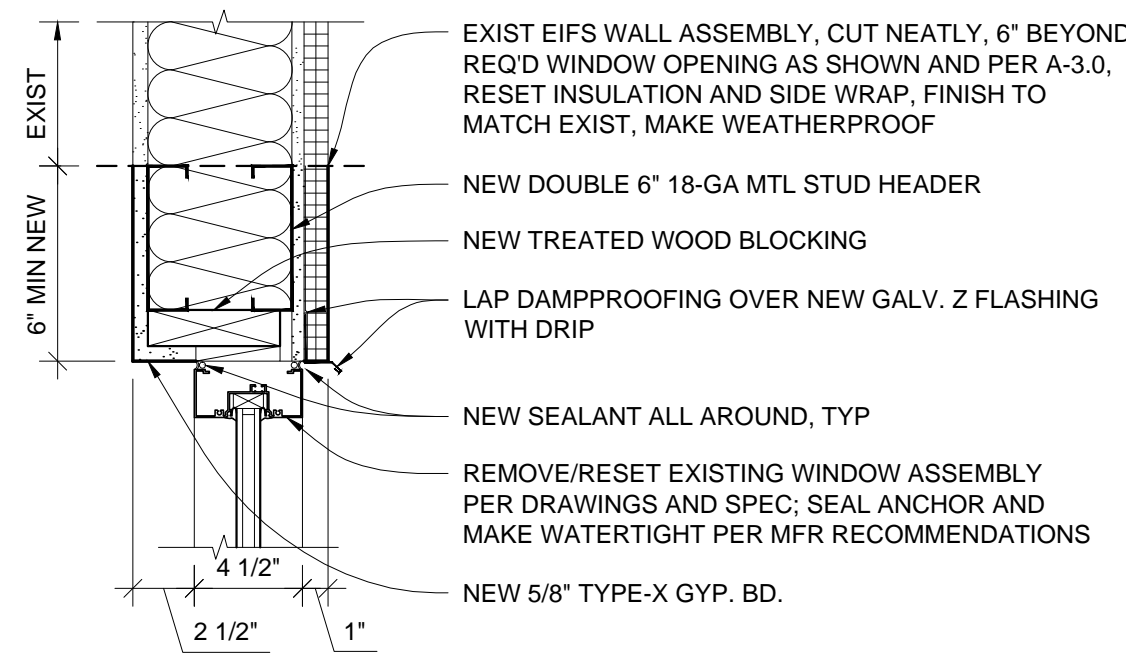
## 2 INT. DOOR HEAD

SCALE: 1-1/2" = 1'-0" 0 2" 6" 1'



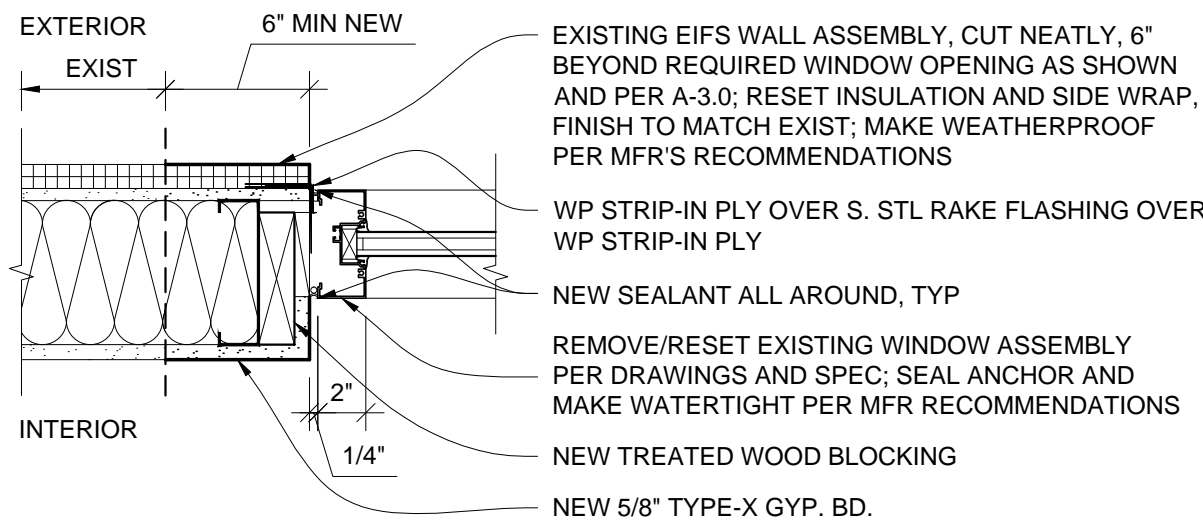
## 3 INT. DOOR JAMB

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



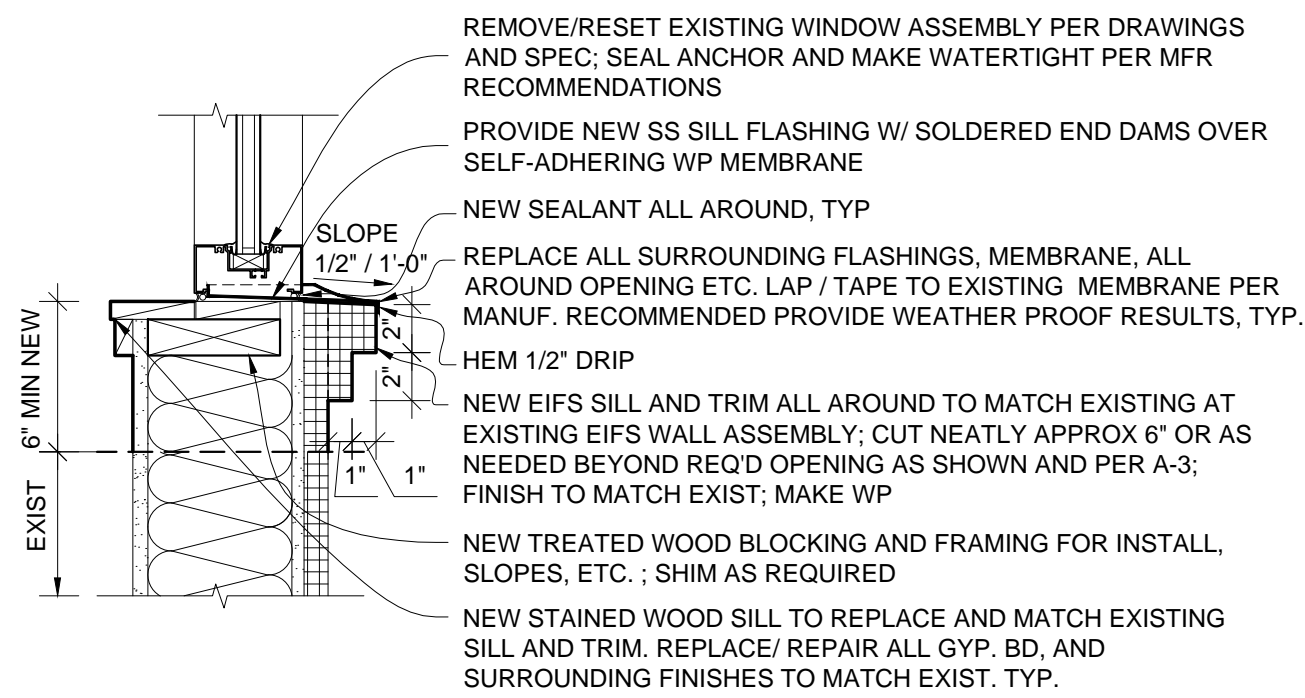
## 4 EXT. WINDOW HEAD

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



## 5 EXT. WINDOW JAMB

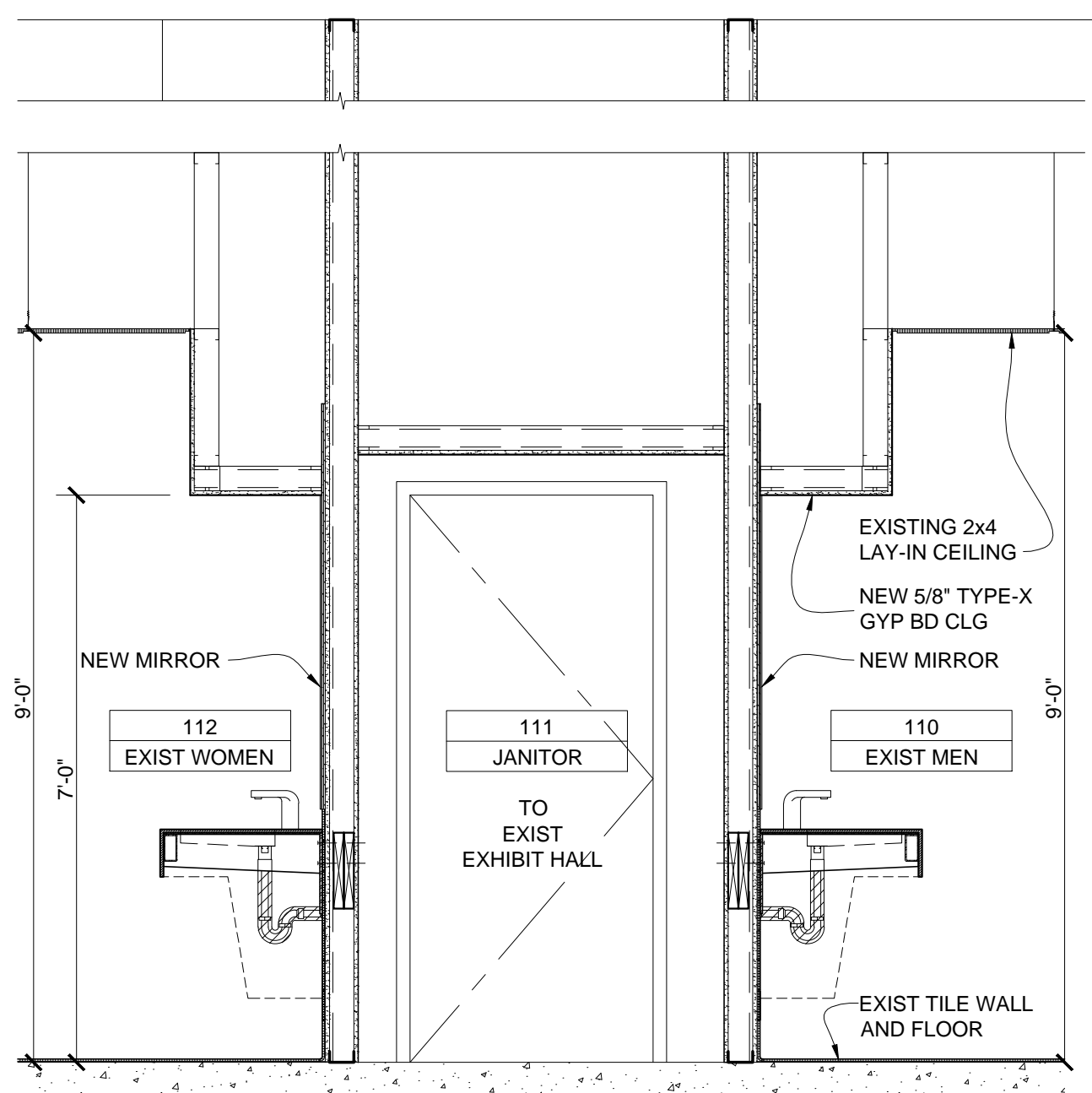
SCALE: 1-1/2" = 1'-0"



## 6 EXT. WINDOW SILL (REPAIR / REPLACE)

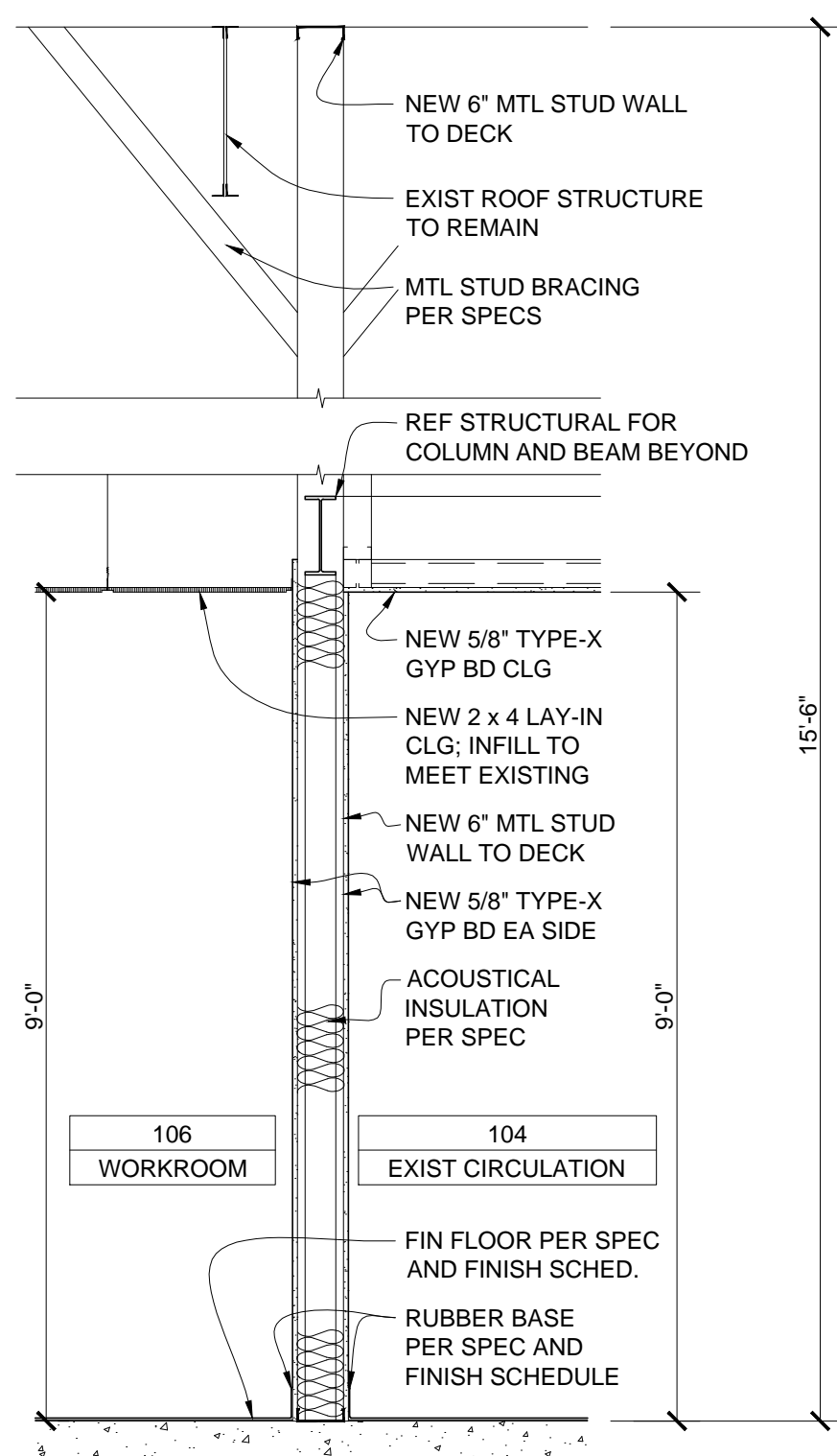
SCALE: 1-1/2" = 1'-0"

- NOTE:
- REFERENCE DETAILS # 2-6, A-6.0 FOR DOOR AND WINDOW OPENING FLASHING AND WATERPROOFING DETAILS.
  - SEE NOTE 7 ON THIS SHEET



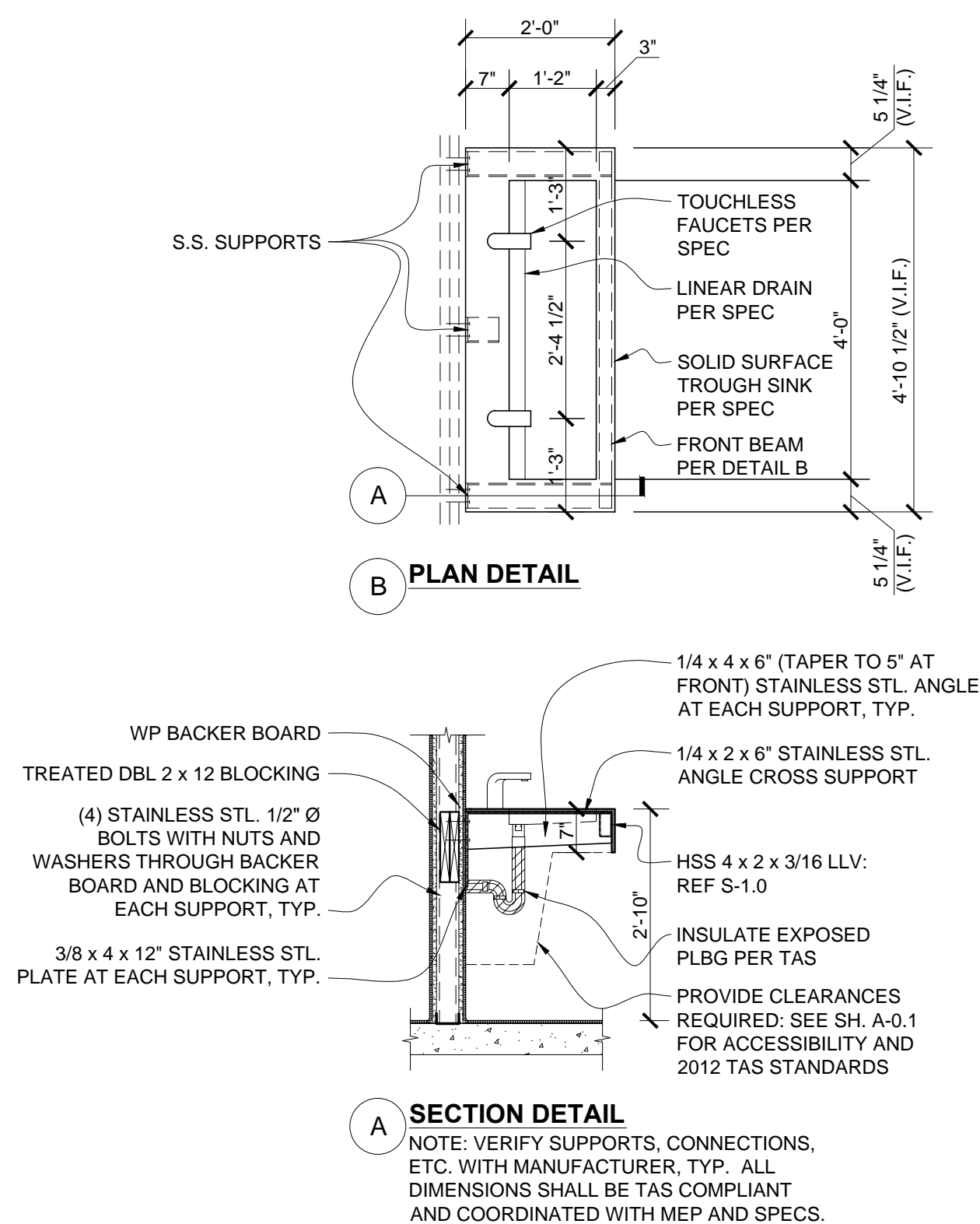
## 7 WALL SECTION @ WOMEN'S & MEN'S RR

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



## 8 WALL SECTION @ WKROOM / CIRC DESK

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



- SECTION DETAIL (A)
- NOTE: VERIFY SUPPORTS, CONNECTIONS, ETC. WITH MANUFACTURER, TYP. ALL DIMENSIONS SHALL BE TAS COMPLIANT AND COORDINATED WITH MEP AND SPECS.

### GENERAL NOTES

- REPORT ANY AND ALL DISCREPANCIES, ERRORS, AND/OR OMISSIONS IN THE DOCUMENTS TO THE ARCHITECT PRIOR TO THE ORDERING OF ANY MATERIALS AND/OR THE COMMENCEMENT OF CONSTRUCTION.
- ALL DIMENSIONS SHALL BE VERIFIED AT JOBSITE PRIOR TO START OF CONSTRUCTION.
- REFER TO SPECIFICATIONS FOR MEMBER SIZES AND GAUGES OF LIGHT WEIGHT GAUGE METAL FRAMING.
- PROVIDE PRE-FINISHED TRIM, FLASHING, PEEL-AND-STICK FLASHING, SEALANT, ETC. AS INDICATED AND AS NEEDED PER SPECIFICATIONS FOR WATERPROOF RESULTS. WRAP, LAP, AND SEAL ALL CORNERS, TYP. PER SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS. PROVIDE CONTINUOUS TRIM AND FLASHING PIECES. TRIM NEATLY AT TERMINATIONS AND LAP ADJACENT FLASHING AND TRIM ELEMENTS NEATLY WITH 6" LAPS MINIMUM FOR WATERPROOF RESULTS, TYP. PROVIDE SHOP DRAWINGS AND SUBMITTALS ON ALL FLASHING AND TRIM PIECES PER SPECIFICATIONS, TYP.
- REFERENCE DETAILS # 2-6, A-6.0 FOR DOOR AND WINDOW OPENING FLASHING AND WATERPROOFING DETAILS.
- TEMPERED SAFETY GLASS/ GLAZING IS REQUIRED IN ALL DOORS, DOOR/ SIDELIGHT COMBINATIONS, WINDOWS, AND OTHER GLAZING. PROVIDE TEMPERED / SAFETY GLASS/ GLAZING. IN ALL OPENINGS WITHIN 18' OF FLOOR, WITHIN 2' OF DOORS, ETC. AND WITHIN HAZARDOUS LOCATIONS PER CODE. COMPLY WITH ALL CURRENT BUILDING CODES INCLUDING 2015 IBC SECTION 2406 'SAFETY GLAZING.'
- WINDOW SILL REPAIR** - REMOVE EXISTING WINDOW, CLEAN AND RESET WITH NEW WINDOW FLASHINGS. REMOVE DECORATIVE STUCCO BANDS AROUND THE WINDOW AND A PORTION OF FIELD STUCCO AS NECESSARY TO REMOVE WINDOW ASSEMBLY. REMOVE AND REPLACE DETERIORATED WOOD IN SUB FRAMING AND WINDOW ROUGH OPENING. INSTALL DAMP PROOFING IN THE REPAIRED OPENING AND THEN NEW SHEET METAL FLASHINGS INCLUDING SS. SILL WITH END DAMS, JAMB, AND HEAD FLASHING. RESET WINDOW ASSEMBLY WITHIN NEW FLASHINGS. INSTALL NEW STUCCO AND DECORATIVE BANDS. SEAL STUCCO TO NEW WINDOW FLASHINGS. ALLOW FOR WEEP HOLES. REPLACE AND INSTALL INTERIOR SILL FLASHING AND WINDOW TRIM TO MATCH EXISTING CONDITIONS. REPAIR / BLEND INTERIOR AND EXTERIOR FINISHES TO MATCH EXISTING TYP. SEE OTHER APPLICABLE DETAILS.

## HARDWARE SCHEDULE

HARDWARE GROUP NO. 001

DOORS:  
111A 114A 110A

EACH TO HAVE:  
EXISTING DOOR. RE-USE EXISTING HARDWARE.

VERIFY IN FIELD PRIOR TO BID DATE EXISTING HARDWARE OPERATES PROPERLY. IF ANY OF THE EXISTING HARDWARE DOES NOT OPERATE PROPERLY, PROVIDE PRICE IN PROPOSAL TO REPLACE. IN SUBMITTAL, PROVIDE NAME, COMPANY AND DATE OF FIELD VERIFICATION.

HARDWARE GROUP NO. 103

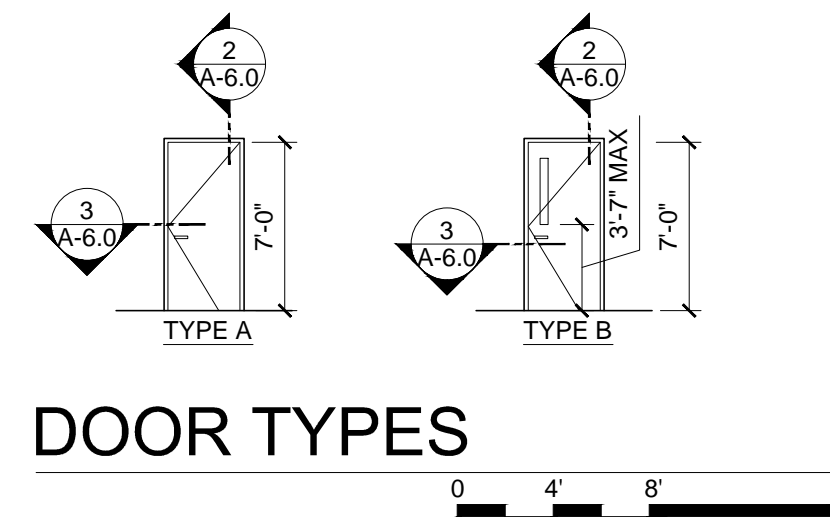
DOORS:  
105A

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	5PB1 4.5 X 4.5	652	IVE
1 EA	MORTISE LOCK	LB-LC-8255 LNJ	626	SAR
1 EA	CYLINDER	1E74 X RP3	626	BES
1 EA	WALL STOP	WS406/407CCV	US32D	IVE
3 EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 501

DOORS:  
106A

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
1 EA	MORTISE LOCK	LC-8237 LNJ	626	SAR
1 EA	CYLINDER	1E74 X RP3	626	BES
1 EA	SURFACE CLOSER	4040XP REG OR PA AS REQ	689	LCN
1 EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1 EA	WALL STOP	WS406/407CCV	US32D	IVE
3 EA	SILENCER	SR64	GRY	IVE



## DOOR TYPES

0 4' 8'

DOOR SCHEDULE						
DOOR #	TYPE	DOOR DESCRIPTION	FRAME TYPE	NOM. FRAME SIZE	ROOM	REMARKS
105A	B	NEW / INT / STL / SWINGING / SINGLE LITE	HOLLOW METAL	3'-0" x 7'-0"	105 LIBRARIAN	HARDWARE SET NO. 103
106A	B	NEW / INT / STL / SWINGING / SINGLE LITE	HOLLOW METAL	3'-0" x 7'-0"	106 STAFF WORKROOM	HARDWARE SET NO. 501
109A	A*	EXIST / EXT / STL / SWINGING	HOLLOW METAL	3'-0" x 7'-0"	109 EXISTING EXHIBIT HALL	KEY CARD READER; GENERAL CONTRACTOR VERIFY IN FIELD PRIOR TO BID DATE AND PROVIDE HARDWARE REQUIRED FOR THIS TO BE A CARD READ DOOR. IN SUBMITTAL INCLUDE NAME, COMPANY AND DATE OF FIELD VERIFICATION.
110A	A*	EXIST / INT / STL / SWINGING	HOLLOW METAL	3'-0" x 7'-0"	110 MEN	HARDWARE SET NO.001; REUSE EXISTING DOOR
111A	A*	EXIST / INT / STL / SWINGING	HOLLOW METAL	3'-0" x 7'-0"	111 JANITOR	HARDWARE SET NO.001;REUSE EXISTING DOOR
112A	A*	EXIST / INT / STL / SWINGING	HOLLOW METAL	3'-0" x 7'-0"	112 WOMEN	HARDWARE SET NO.001; REUSE EXISTING DOOR
114A	A*	EXIST / INT / STL / SWINGING	HOLLOW METAL	3'-0" x 7'-0"	114 BREAK ROOM	HARDWARE SET NO.001; REUSE EXISTING DOOR

\* NOTE: EXISTING/REUSED DOOR

STANLEY-SALAIZ  
JOINT VENTURE

1901 EM FRANKLIN AVE  
AUSTIN, TEXAS 78723  
512.445.0444

CITY OF AUSTIN  
CEPEDA LIBRARY RENOVATIONS  
651 NORTH PLEASANT VALLEY ROAD  
AUSTIN, TEXAS 78702



09/07/20

BID SET  
ISSUE DATE: 09/07/2020

REVISIONS

CITY OF AUSTIN  
CEPEDA  
LIBRARY  
RENOVATIONS

651 N PLEASANT VALLEY RD  
AUSTIN, TEXAS 78702

OPENING SCHEDULES  
& DETAILS

A-6.0

SHEET NO. 22 OF 36



COORDINATION

- A. THE CONTRACTOR SHALL COMPARE THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND OTHER SERIES DRAWINGS AND REPORT ANY DISCREPANCIES BETWEEN EACH SET OF DRAWINGS AND WITHIN EACH SET OF DRAWINGS PRIOR TO FABRICATION AND INSTALLATION OF ANY STRUCTURAL MEMBERS.
- B. ONLY LARGER SLEEVE OPENINGS AND FRAMED OPENINGS IN STRUCTURAL FRAMING COMPONENT MEMBERS ARE INDICATED ON THE STRUCTURAL DRAWINGS. HOWEVER, ALL SLEEVES, INSERTS AND OPENINGS, INCLUDING FRAMES AND/OR SLEEVES SHALL BE PROVIDED FOR PASSAGE, PROVISION AND/OR INCORPORATION OF THE WORK OF THE CONTRACT, INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL AND PLUMBING WORK. THIS WORK SHALL INCLUDE THE COORDINATION OF SIZES, ALIGNMENT, DIMENSIONS, POSITION, LOCATIONS, ELEVATIONS AND GRADES AS REQUIRED TO SERVE THE INTENDED PURPOSE. OPENINGS NOT INDICATED ON THE STRUCTURAL DRAWINGS, BUT REQUIRED AS NOTED ABOVE, SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
- C. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR FLOOR ELEVATIONS, SLOPES, DRAINS AND LOCATION OF DEPRESSED AND ELEVATED FLOOR AREAS.
- D. COMPATIBILITY OF THE STRUCTURE AND PROVISIONS FOR BUILDING EQUIPMENT SUPPORTED ON OR FROM STRUCTURAL COMPONENTS SHALL BE VERIFIED AS TO SIZE, DIMENSIONS, CLEARANCES, ACCESSIBILITY, WEIGHTS AND REACTION WITH THE EQUIPMENT FOR WHICH THE STRUCTURE HAS BEEN DESIGNED PRIOR TO SUBMISSION OF SHOP DRAWINGS AND DATA FOR EACH PIECE OF EQUIPMENT AND FOR STRUCTURAL COMPONENTS. DIFFERENCES SHALL BE NOTED ON THE SUBMITTALS.
- E. SHOP DRAWINGS SHALL BE PREPARED FOR ALL STRUCTURAL ITEMS AND SUBMITTED FOR REVIEW BY THE ENGINEER. STRUCTURAL DRAWINGS SHALL NOT BE REPRODUCED AND USED AS SHOP DRAWINGS. ALL ITEMS DEVIATING FROM THE STRUCTURAL DRAWINGS OR FROM PREVIOUSLY SUBMITTED SHOP DRAWINGS SHALL BE CLOUDED.

- F. THE DETAILS DESIGNATED AS "TYPICAL DETAILS" APPLY GENERALLY TO THE STRUCTURAL DRAWINGS IN ALL AREAS WHERE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED IN THE DETAILS.
- G. ALL DIMENSIONS AND CONDITIONS OF EXISTING CONSTRUCTION SHALL BE VERIFIED AT THE JOB SITE PRIOR TO THE PREPARATION OF SHOP DRAWINGS. DIFFERENCES BETWEEN EXISTING CONSTRUCTION AND THAT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE REFERRED TO THE ARCHITECT. DIFFERENCES SHALL ALSO BE CLOUDED ON THE SHOP DRAWINGS.
- H. ALL STRUCTURAL ELEMENTS OF THE PROJECT HAVE BEEN DESIGNED BY THE 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 UNTIL THE LATERAL LOAD RESISTING OR STABILITY-PROVIDING SYSTEM IS COMPLETELY INSTALLED AND THE STRUCTURE IS COMPLETELY TIED TOGETHER. TEMPORARY SUPPORTS SHALL NOT RESULT IN THE OVERSTRESS OR DAMAGE OF THE ELEMENTS TO BE BRACED NOR ANY ELEMENTS USED AS BRACE SUPPORTS.

- I. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, AND EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR AND THEIR SUB-CONTRACTORS SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, SEQUENCES AND SAFETY MEASURES INCLUDING, BUT NOT LIMITED TO, ADHERENCES TO ALL OSHA GUIDELINES. THE ENGINEER SHALL NOT HAVE CONTROL 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 OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR ANY OTHER PERSON PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THESE PERSONS TO CARRY OUT THE WORK IN ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS.

- J. WHERE CONFLICT EXISTS AMONG THE VARIOUS PARTS OF THE STRUCTURAL CONTRACT DOCUMENTS, STRUCTURAL DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS, THE STRICTEST REQUIREMENTS, AS INDICATED BY THE ENGINEER, SHALL GOVERN.
- K. PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES OF TSEN ENGINEERING IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK IS PROCEEDING IN ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION IS NOT INTENDED TO BE A CHECK OF THE QUALITY OR QUANTITY OF THE WORK, BUT RATHER A PERIODIC CHECK IN AN EFFORT TO INFORM THE OWNER AGAINST DEFECTS AND DEFICIENCIES IN THE WORK OF THE CONTRACTOR.

CODES & REFERENCED REPORTS

- A. THE GENERAL BUILDING CODE(S) USED AS THE BASIS FOR THE STRUCTURAL DESIGN ARE AS FOLLOWS:
- INTERNATIONAL BUILDING CODE, 2015 EDITION
  - INTERNATIONAL EXISTING BUILDING CODE, 2015 EDITION
- B. STRUCTURAL STEEL: MANUAL OF STEEL CONSTRUCTION, AMERICAN INSTITUTE OF STEEL CONSTRUCTION INC., ANSI/AISC 360, AS REFERENCED BY THE GENERAL BUILDING CODE.
- C. LIGHT GAUGE STEEL: SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AMERICAN IRON AND STEEL INSTITUTE, AS REFERENCED BY THE GENERAL BUILDING CODE.

DESIGN LOADS

- A. DEAD LOADS INCLUDE THE SELF-WEIGHT OF THE STRUCTURAL ELEMENTS AND THE FOLLOWING SUPERIMPOSED LOADS:
- CEILING 10 PSF
- B. LIVE LOADS INCLUDE THE FOLLOWING UNIFORMLY DISTRIBUTED LOADS OR CONCENTRATED LOADS, WHICHEVER PRODUCES THE GREATER LOAD EFFECTS.
- |    | OCCUPANCY OR USE  | UNIFORM (psf) | CONCENTRATED (lbs.) |
|----|---|---------------|---------------------|
| 1. | INTERIOR WALLS AND PARTITIONS > 6 FEET IN HEIGHT (APPLIED HORIZONTALLY) | 5             | N/A                 |

POST-INSTALLED ANCHORS AND DOWELS

- A. ADHESIVE ANCHORS:
- IN CRACKED AND UNCRACKED CONCRETE:
    - HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HIT-Z ROD PER ICC ESR-3187
- C. ANCHOR AND DOWEL INSTALLATION
- INSTALL ANCHORS PER THE MANUFACTURER PRINTED INSTALLATION INSTRUCTIONS (MPII), AS INCLUDED IN THE ANCHOR PACKAGING.
  - THE CONTRACTOR SHALL LOCATE ALL EXISTING REINFORCING STEEL AND OTHER EMBEDDED ITEMS CONTAINED IN THE CONCRETE USING NON-DESTRUCTIVE METHODS AND SHALL POSITION ANCHOR LOCATIONS TO AVOID CONFLICTS WITH EXISTING EMBEDDED ITEMS. ANCHOR OR DOWEL LOCATIONS CAN BE ADJUSTED BY A MAXIMUM OF 1 1/2" FROM DETAILED LOCATIONS TO AVOID CONFLICTS, BUT SHALL NEITHER CHANGE ARRANGEMENT NOR MOVE CLOSER TO A CONCRETE EDGE.
  - BASED ON FIELD VERIFIED LOCATIONS OF REINFORCING STEEL AND EMBEDDED ITEMS, THE CONTRACTOR SHALL CREATE TEMPLATES FOR EACH ANCHOR GROUP. SUBMIT TEMPLATE DIMENSIONS FOR REVIEW PRIOR TO FABRICATION OF CONNECTION PLATES.
  - THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THE ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF ANCHOR INSTALLATION.
  - ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
  - HOLES IN CONNECTION PLATES SHALL BE NO MORE THAN 1/16" LARGER THAN THE ANCHOR DIAMETER. IF LARGER HOLES ARE REQUIRED FOR ERECTION PURPOSES, CONTRACTOR SHALL NOTIFY ENGINEER SUCH THAT A PLATE WASHER SIZE CAN BE PROVIDED.
  - BASIS OF DESIGN INCLUDES THE FOLLOWING DESIGN PARAMETERS:
    - CRACKED CONCRETE
    - DRY OR WATER-SATURATED CONCRETE
    - BASE MATERIAL TEMPERATURE OF 23-104 DEGREES FAHRENHEIT

DEFERRED SUBMITTALS

- A. IN ACCORDANCE WITH THE GENERAL BUILDING CODE, SECTION 17.3.4.2, THE FOLLOWING SUBMITTALS WILL NOT BE ISSUED AT THE TIME OF PERMIT APPLICATION, AND WILL BE "DEFERRED" TO A LATER DATE. DEFERRED SUBMITTALS ARE REQUIRED TO BE SUBMITTED TO THE BUILDING OFFICIAL. HOWEVER, THESE SUBMITTALS SHALL BE SUBMITTED AND APPROVED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE (RDPIRC) PRIOR TO SUBMITTING TO THE BUILDING OFFICIAL. DEFERRED SUBMITTALS ARE DESIGN ITEMS BEING DELEGATED TO THE CONTRACTOR WHICH SHALL BE DESIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE HAVING JURISDICTION AT THE PROJECT SITE.
- B. THE FOLLOWING STRUCTURAL COMPONENTS SHALL BE TREATED AS DEFERRED SUBMITTALS:
- STEEL CONNECTIONS
  - COLD FORMED METAL FRAMING
- C. DESIGN OF THE ITEMS LISTED ABOVE SHALL BE IN ACCORDANCE WITH THE GENERAL BUILDING CODE, AND SHALL INCLUDE ALL ATTACHMENTS TO THE STRUCTURE.
- D. WORK ASSOCIATED WITH DEFERRED SUBMITTALS SHALL NOT BE PERFORMED UNTIL THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.
- E. REFER TO THE CONTRACT DOCUMENTS FOR ADDITIONAL DEFERRED SUBMITTAL ITEMS.

DESIGN BY OTHERS

- A. IN ACCORDANCE WITH THE SPECIFICATIONS THE ITEMS LISTED BELOW ARE NOT INCLUDED IN THE CONTRACT DOCUMENTS. DESIGN OF THESE ELEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE DESIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE HAVING JURISDICTION AT THE PROJECT SITE.
- STEEL CONNECTIONS
  - COLD FORMED METAL FRAMING
- B. DESIGN OF THE ITEMS LISTED ABOVE SHALL BE IN ACCORDANCE WITH THE GENERAL BUILDING CODE, AND SHALL INCLUDE ALL ATTACHMENTS TO THE STRUCTURE.

STRUCTURAL STEEL

- A. MATERIAL
- ALL HOT ROLLED STEEL MEMBERS SHALL BE NEW AND CONFORM TO ASTM SPECIFICATION A6.
  - ASTM SPECIFICATION AND GRADE - CLEARLY MARK THE GRADE ON EACH MEMBER.
  - UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS, STRUCTURAL STEEL MEMBERS SHALL BE:
    - W-SHAPES SHALL CONFORM TO ASTM A992.
    - SQUARE OR RECTANGULAR HOLLOW STRUCTURAL SHAPE MEMBERS SHALL CONFORM TO ASTM A500 GRADE B, Fy = 46 KSI.
    - STRUCTURAL STEEL PLATE SHALL CONFORM TO ASTM A36.
    - ANY OTHER STEEL SHALL CONFORM TO ASTM A36.
- B. FABRICATION
- SPlicing OF STRUCTURAL STEEL MEMBERS IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE ENGINEER AS TO LOCATION AND TYPE OF SPLICE TO BE MADE. ANY MEMBER HAVING SPLICE NOT SHOWN AND DETAILED ON SHOP DRAWINGS WILL BE REJECTED.
  - DIMENSIONAL TOLERANCES OF FABRICATED STRUCTURAL STEEL SHALL CONFORM TO SECTION 6.4 OF THE AISC CODE OF STANDARD PRACTICE UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
  - SHOP PAINTING: PAINT STRUCTURAL STEEL WITH ONE COAT OF MANUFACTURER'S STANDARD RED OXIDE PRIMER APPLIED AT A RATE TO PROVIDE A UNIFORM DRY FILM THICKNESS OF 2.5 MILS.
- C. ERECTION
- ERECTION TOLERANCES OF ANCHOR BOLTS, EMBEDDED ITEMS, AND ALL STRUCTURAL STEEL UNLESS SPECIFIED OTHERWISE ON THE STRUCTURAL DRAWINGS SHALL CONFORM TO THE AISC CODE OF STANDARD PRACTICE.
  - FIELD CUTTING OF STRUCTURAL STEEL OR ANY FIELD MODIFICATIONS TO STRUCTURAL STEEL SHALL NOT BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER.
  - CONTRACTOR SHALL PROTECT ANY UNPRIMED STRUCTURAL STEEL FROM DETRIMENTAL EFFECTS OF CORROSION, AS REQUIRED, UNTIL THE STEEL IS ENCLOSED AND PROTECTED BY THE NEW CONSTRUCTION.
- D. CONTRACTOR SHALL COORDINATE STRUCTURAL STEEL FIREPROOFING REQUIREMENTS. ALL INTERIOR STRUCTURAL STEEL, INCLUDING STEEL JOISTS, SCHEDULED OR INDICATED TO RECEIVE SPRAY APPLIED FIREPROOFING SHALL BE DELIVERED TO THE PROJECT SITE UNPRIMED. STEEL EXPOSED TO CORROSIVE CONDITIONS AFTER INSTALLATION SHALL BE PRIMED WITH A PROTECTIVE COATING WHICH DOES NOT DIMINISH THE BOND BETWEEN THE SPRAY APPLIED FIREPROOFING, AND THE STEEL SUBSTRATE. ANY PRIMER, AND/OR COATING APPLIED TO STRUCTURAL STEEL SHALL BE APPROVED FOR USE IN THE APPLICABLE U.L. FIRE RESISTANCE ASSEMBLY USED ON THE PROJECT.
- E. SUBMITTAL: PROVIDE DRAWINGS SHOWING DETAILS FOR FABRICATION AND SHOP ASSEMBLY OF MEMBERS, ERECTION PLANS AND DETAILS. INCLUDE DETAILS OF CONNECTIONS, CAMBER, WELD PROFILES AND SIZES AND SPACING. SHOP AND ERECTION DRAWINGS SHALL NOT BE MADE USING REPRODUCTIONS OF THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL CONNECTIONS

- A. WELDED CONNECTIONS
- ALL WELDING SHALL CONFORM TO ANSI/AWS D1.1, LATEST EDITION.
  - FILLET WELDS WITH NO SIZE SPECIFIED SHALL BE 3/16 INCH OR MINIMUM SIZE REQUIRED BY AISC, WHICHEVER IS LARGER.
- B. BOLTED CONNECTIONS
- UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS, BOLTS SHALL BE 3/4 INCH DIAMETER AND CONFORM TO ASTM A325. BOLTS SHALL BE DESIGNED USING VALUES FOR BEARING TYPE BOLTS WITH THREAD ALLOWED IN THE SHEAR PLANE.
  - BOLTS SHALL BE TIGHTENED TO "SNUG TIGHT" AS DEFINED BY AISC, UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
- C. STRUCTURAL STEEL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED AND DETAILED BY THE CONTRACTOR UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE HAVING JURISDICTION AT THE PROJECT SITE. SEALED CALCULATIONS FOR ALL CONNECTIONS DESIGNED BY THE CONTRACTOR SHALL BE SUBMITTED FOR THE ARCHITECT'S FILES.
- D. BEAM CONNECTIONS SHALL BE DESIGNED AND DETAILED AS FOLLOWS, UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS:
- CONNECTIONS SHALL BE AISC TYPE 2 SIMPLE FRAMING CONNECTIONS. SHEAR TAB CONNECTIONS SHALL NOT BE USED UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS, OR CONNECTIONS ARE DESIGNED AND DETAILED BY THE FABRICATOR'S REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TEXAS AND SEALED CALCULATIONS ARE SUBMITTED.
  - IN GENERAL, SHOP CONNECTIONS SHALL BE BOLTED OR WELDED AND FIELD CONNECTIONS SHALL BE BOLTED.
  - CONNECTIONS SHALL BE DESIGNED FOR THE REACTIONS SHOWN ON THE STRUCTURAL DRAWINGS.
  - SHORT SLOTTED HOLES IN NON-SLIP CRITICAL SHEAR PLATE CONNECTIONS SHALL BE PERMITTED PROVIDED WASHERS ARE INSTALLED IN ACCORDANCE WITH AISC REQUIREMENTS. WASHERS SHALL BE HARDENED WHERE A325 BOLTS ARE USED.

- E. ALL MEMBER REACTIONS SHOWN ON THE STRUCTURAL DRAWINGS INDICATE THE MOST UNFAVORABLE EFFECT IN THE STRUCTURAL MEMBER BEING CONSIDERED, BASED ON THE LOAD AND RESISTANCE FACTOR DESIGN (LRFD) LOAD COMBINATIONS.
- F. FOR CONNECTIONS NOT SPECIFICALLY ADDRESSED BY THESE NOTES OR THE STRUCTURAL DRAWINGS, PROVIDE FILLET WELDS AT ALL CONTACT SURFACES SUFFICIENT TO DEVELOP THE TENSILE STRENGTH OF THE SMALLER MEMBER AT THE JOINT.

LIGHT GAUGE STRUCTURAL STEEL MEMBERS

- A. THE DESIGN, INSTALLATION, AND CONSTRUCTION OF COLD-FORMED STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI-GENERAL, AISI-NAS, AISI-HEADER, AISI-WSD, AND AISI-LATERAL).
- B. UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS, ALL COLD-FORMED STRUCTURAL STEEL SHALL BE MANUFACTURED FROM ZINC COATED (HOT DIP PROCESS MINIMUM G60) SHEET CONFORMING TO CURRENT ASTM A653 WITH MINIMUM YIELD STRENGTH OF 33 KSI FOR 18 GAUGE AND LIGHTER AND 50 KSI FOR 16 GAUGE AND HEAVIER.
- C. PROVIDE COLD-FORMED STRUCTURAL STEEL STUDS, JAMBS, HEADERS, AND SILLS AS INDICATED ON THE STRUCTURAL DRAWINGS.
- D. PROVIDE COLD-FORMED STRUCTURAL STEEL JOISTS AND BEAMS AS INDICATED ON THE STRUCTURAL DRAWINGS.
- E. ALL CONNECTIONS IN BETWEEN COLD-FORMED STRUCTURAL STEEL AND CONNECTIONS TO FOUNDATION, UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS, ARE NOT THE RESPONSIBILITY OF THE ENGINEER, AND SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE HAVING JURISDICTION AT THE PROJECT SITE.
- F. THE DESIGN OF CONNECTIONS SHALL INCLUDE SUPERIMPOSED DEAD AND LIVE LOADS, SPECIAL LOADING CONDITIONS, NET WIND UPLIFT LOADS, AND WALL WIND PRESSURES PROVIDED IN THE STRUCTURAL DRAWINGS.
- G. THE DESIGN OF CONNECTIONS FOR MEMBERS THAT ARE A PART OF THE MAIN WIND FORCE RESISTING SYSTEM SHALL INCLUDE SPECIFIC LATERAL LOADS PROVIDED IN THE STRUCTURAL DRAWINGS.
- H. ALL COLD-FORMED STRUCTURAL STEEL STUDS AND JAMBS SHALL BE FULL HEIGHT WITHOUT AN INTERMEDIATE PLATE LINE OR SPLICE UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
- I. HORIZONTAL BRIDGING FOR WALL STUDS SHALL BE PROVIDED AT 6 FEET ON CENTER MAXIMUM IN ACCORDANCE WITH THE TYPICAL DETAILS.
- J. BRACE FLOOR, ROOF, AND CEILING JOISTS WITH SOLID BLOCKING CONSISTING OF CUT TO LENGTH JOIST OR RUNNER SECTIONS, AT CANTILEVER ENDS, AT POINTS OF SUPPORT, AND AT A MAXIMUM SPACING OF 8 FEET ON CENTER BETWEEN SUPPORTS. SOLID BLOCKING SHALL BE ATTACHED TO JOIST WEBS WITH SCREWS AS DESIGNED BY THE CONNECTION DESIGNER. ALSO PROVIDE A GALVANIZED STEEL STRAP ATTACHED TO THE BOTTOM OF THE JOIST FLANGE ALONG THE SOLID BLOCKING WITH SCREWS AS DESIGNED BY THE CONNECTION DESIGNER.
- K. PLACE JOISTS AND BEAMS DIRECTLY OVER THE WALL STUDS.
- L. PLACE A CONTINUOUS RUNNER AT THE BOTTOM AND TOP OF ALL WALL STUDS. BOTTOM RUNNER SHALL BE BOLTED OR SHOT TO SUPPORT MEMBERS AS REQUIRED BY THE CONNECTION DESIGNER, AND AT A MAXIMUM SPACING OF 36 INCHES ON CENTER.
- M. DESIGN LAYOUT AND SPACING OF COLD-FORMED STRUCTURAL STEEL SHALL BE AS INDICATED ON THE STRUCTURAL DRAWINGS. ALTERNATE PROPOSED LAYOUTS ARE ONLY ACCEPTABLE AS A CHANGE ORDER WHICH WILL INCLUDE ENGINEERING COMPENSATION FOR RE-DESIGN OF AFFECTED BUILDING STRUCTURAL COMPONENTS BY THE ENGINEER.
- N. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE HAVING JURISDICTION AT THE PROJECT SITE TO INCLUDE THE FOLLOWING:

- DESIGN OF PERMANENT WALL HORIZONTAL BRIDGING AND JOIST BLOCKING, INCLUDING MEMBER SIZES AND CONNECTIONS.
- PROPERTIES OF CONNECTION COMPONENTS, SUCH AS CLIPS, STRAPS, AND SCREWS.
- CALCULATIONS INCLUDING FORCES IN CONNECTIONS AND DESIGN OF CONNECTIONS.
- ERECTION PLAN IDENTIFYING ALL TEMPORARY BRACING REQUIRED FOR WALL STUDS.

<div><div><div>TSEN-ENGINEERING</div><div>SHEET LIST</div></div></div>	
SHEET NO.	SHEET NAME
S-0.1	STRUCTURAL NOTES
S-0.2	SPECIAL INSPECTION
S-1.0	PLANS & DETAILS

STRUCTURAL LEGEND	
EXAMPLE	DESCRIPTION
<div>BEAM SIZE W21X55 (22) CAMBER NUMBER OF HEADED STUDS c=3/4"</div>	STEEL BEAM
<div>XK XK-FT SHEAR XK-FT MOMENT</div>	BEAM REACTIONS (SAME EACH END)
<div>XK XK-FT SHEAR XK-FT MOMENT</div>	BEAM REACTIONS (UNIQUE EACH END)
<div>XK (LL) XK (DL) PEMB COLUMN XK (LL) XK (DL)</div>	PEMB BEAM REACTIONS LIVE LOAD, DEAD LOAD (UNIQUE EACH END)
<div>MOMENT CONNECTION</div>	STEEL BEAM MOMENT CONNECTION
<div>W10X12 BP-1 COLUMN SIZE BASE PLATE TYPE MARK</div>	STEEL COLUMN
<div>C1 CONCRETE COLUMN TYPE MARK</div>	CONCRETE COLUMN
<div>BELL P36/48 -3'-0" PIER TYPE MARK T.O. PIER EL.</div>	CONCRETE PIER
<div>F1 -3'-0" FOOTING TYPE MARK T.O. FTG EL.</div>	CONCRETE FOOTING
<div>WB-1 X/SX.X BRACE MARK</div>	STEEL BEAM SPlice
<div>MF-1 X/SX.X FRAME MARK</div>	MOMENT FRAME TAG
<div>WELDED METAL BAR GRATING</div>	WELDED METAL BAR GRATING
<div>ROOF TOP UNIT (RTU)</div>	ROOF TOP UNIT (RTU)
<div>LOAD BEARING MASONRY WALL</div>	LOAD BEARING MASONRY WALL
<div>CONCRETE WALL</div>	CONCRETE WALL
<div>WOOD SHEARWALL</div>	WOOD SHEARWALL
<div>WOOD LOAD BEARING WALL</div>	WOOD LOAD BEARING WALL
<div>EXISTING CONSTRUCTION (HALFTONE)</div>	EXISTING CONSTRUCTION (HALFTONE)

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JOINT VENTURE

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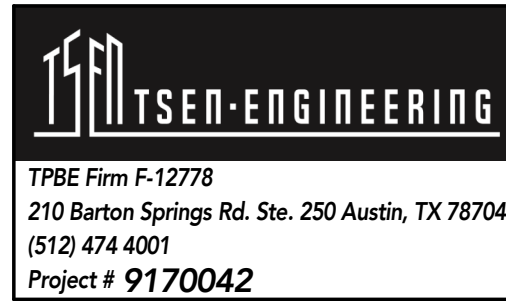
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STRUCTURAL NOTES

S-0.1

SHEET NO. OF





SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 17 OF THE 2015 INTERNATIONAL BUILDING CODE (IBC) BY A SPECIAL INSPECTOR HIRED BY THE OWNER TO PERFORM THE SPECIAL INSPECTIONS LISTED BELOW. THE SPECIAL INSPECTOR SHALL BE QUALIFIED BY AN APPROVED AGENCY ACCORDING TO THE CITY'S BUILDING OFFICIAL TO PERFORM THE SPECIAL INSPECTIONS FOR WHICH THEY WILL BE UNDERTAKING. THE CONTRACTOR SHALL COORDINATE WITH AND NOTIFY THE SPECIAL INSPECTOR OF ALL TESTS. THE SPECIAL INSPECTOR SHALL BE RESPONSIBLE TO VERIFY THAT THE ITEMS DETAILED IN THE CONSTRUCTION DOCUMENTS WERE BUILT ACCORDINGLY AND SHALL PREPARE, SIGN, AND FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND THE ARCHITECT FOR ALL TIME SPENT AT THE SITE. THE INSPECTOR SHALL BRING DISCREPANCIES TO THE IMMEDIATE ATTENTION OF THE GENERAL CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE ARCHITECT PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. THESE SPECIAL INSPECTIONS ARE IN ADDITION TO THE OTHER INSPECTIONS LISTED IN THESE STRUCTURAL NOTES OR PROJECT SPECIFICATIONS.
2. WHERE STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES ARE SHOP FABRICATED, THE SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO THE CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS, UNLESS THE FABRICATOR IS REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION.

VERIFICATION AND INSPECTION TASKS FOR WELDING OF STRUCTURAL STEEL* (AISC 360-10 TABLE N5.4)				
SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY		IBC REFERENCE
		CONTINUOUS	PERIODIC	
	1. INSPECTION TASKS PRIOR TO WELDING:			
YES	A. WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE	X	--	
YES	B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	X	--	
YES	C. MATERIAL IDENTIFICATION (TYPE/GRADE)**	--	X	
YES	D. WELDER IDENTIFICATION SYSTEM**	--	X	
YES	E. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)** 1) JOINT PREPARATION 2) DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) 3) CLEANLINESS (CONDITION OF STEEL SURFACES) 4) TACKING (TACK WELD QUALITY AND LOCATION) 5) BACKING TYPE AND FIT (IF APPLICABLE)	--	X	AISC 360-10 N5.4-1; AWS D1.1
YES	F. CONFIGURATION AND FINISH OF ACCESS HOLES**	--	X	
YES	G. FIT-UP OF FILLET WELDS** 1) DIMENSIONS (ALIGNMENT, GAPS AT ROOT) 2) CLEANLINESS (CONDITION OF STEEL SURFACES) 3) TACKING (TACK WELD QUALITY AND LOCATION)	--	X	
YES	H. CHECK WELDING EQUIPMENT	--	X	
	2. INSPECTION TASKS DURING WELDING:			
YES	A. USE OF QUALIFIED WELDERS	--	X	
YES	B. CONTROL AND HANDLING OF WELDING CONSUMABLES** 1) PACKAGING 2) EXPOSURE CONTROL	--	X	
YES	C. NO WELDING OVER CRACKED TACK WELDS**	--	X	
YES	D. ENVIRONMENTAL CONDITIONS** 1) WIND SPEED WITHIN LIMITS 2) PRECIPITATION AND TEMPERATURE	--	X	
YES	E. WPS FOLLOWED** 1) SETTINGS ON WELD EQUIPMENT 2) TRAVEL SPEED 3) SELECTED WELDING MATERIALS 4) SHIELDING GAS TYPE/FLOW RATE 5) PREHEAT APPLIED 6) INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) 7) PROPER POSITION (F, V, H, OH)	--	X	AISC 360-10 N5.4-2; AWS D1.1
YES	F. WELDING TECHNIQUES** 1) INTERPASS AND FINAL CLEANING 2) EACH PASS WITHIN PROFILE LIMITATIONS 3) EACH PASS MEETS QUALITY REQUIREMENTS	--	X	
	3. INSPECTION TASKS AFTER WELDING:			
YES	A. WELDS CLEANED	--	X	
YES	B. SIZE, LENGTH AND LOCATION OF WELDS	X	--	
YES	C. WELDS MEET VISUAL ACCEPTANCE CRITERIA 1) CRACK PROHIBITION 2) WELD/BASE-METAL FUSION 3) CRATER CROSS SECTION 4) WELD PROFILES 5) WELD SIZE 6) UNDERCUT 7) POROSITY	X	--	AISC 360-10 N5.4-2; AWS D1.1
YES	D. ARC STRIKES	X	--	
YES	E. K-AREA***	X	--	
YES	F. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	X	--	
YES	G. REPAIR ACTIVITIES	X	--	
YES	H. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	X	--	

- \* INSPECTION TASKS NOTED IN THIS TABLE ARE THE RESPONSIBILITY OF THE SPECIAL INSPECTOR OR QUALITY ASSURANCE INSPECTOR (QAI). THE FABRICATOR AND ERECTOR ARE RESPONSIBLE FOR ALL INSPECTION TASKS INDICATED IN AISC 360-10 SECTION N5 AND ASSIGNED TO THE QUALITY CONTROL INSPECTOR (QCI).
- \*\* INSPECTION TASKS MAY BE COORDINATED WITH THE FABRICATOR OR ERECTOR'S QUALITY CONTROL INSPECTOR (QCI) WHERE INDICATED WITH THIS FOOTNOTE. ALL OTHER TASKS SHALL BE PERFORMED BY THE SPECIAL INSPECTOR.
- \*\*\* WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75 MM) OF THE WELD.

VERIFICATION AND INSPECTION TASKS FOR BOLTING STRUCTURAL STEEL* (AISC 360-10 TABLE N5.6)				
SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY		IBC REFERENCE
		CONTINUOUS	PERIODIC	
	1. INSPECTION TASKS PRIOR TO BOLTING:			
YES	A. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	X	--	
YES	B. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	--	X	
YES	C. PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)**	--	X	AISC 360-10 N5.6-1
YES	D. PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL**	--	X	
YES	F. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	--	X	
YES	G. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	--	X	
	2. INSPECTION TASKS DURING BOLTING:			
YES	A. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED**	--	X	
YES	B. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION**	--	X	
YES	C. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING**	--	X	AISC 360-10 N5.6-2
YES	D. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	--	X	
	3. INSPECTION TASKS AFTER BOLTING:			
YES	A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	X	--	AISC 360-10 N5.6-3

- \* INSPECTION TASKS NOTED IN THIS TABLE ARE THE RESPONSIBILITY OF THE SPECIAL INSPECTOR OR QUALITY ASSURANCE INSPECTOR (QAI). THE FABRICATOR AND ERECTOR ARE RESPONSIBLE FOR ALL INSPECTION TASKS INDICATED IN AISC 360-10 SECTION N5 AND ASSIGNED TO THE QUALITY CONTROL INSPECTOR (QCI).
- \*\* INSPECTION TASKS MAY BE COORDINATED WITH THE FABRICATOR OR ERECTOR'S QUALITY CONTROL INSPECTOR (QCI) WHERE INDICATED WITH THIS FOOTNOTE. ALL OTHER TASKS SHALL BE PERFORMED BY THE SPECIAL INSPECTOR.

VERIFICATION AND INSPECTION TASKS FOR STRUCTURAL COLD-FORMED STEEL FRAMING				
SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY		IBC REFERENCE
		CONTINUOUS	PERIODIC	
YES	1. FABRICATION PROCESS OF PREFABRICATED COLD-FORMED STRUCTURAL ELEMENTS AND ASSEMBLES SHALL BE IN ACCORDANCE WITH IBC 1704.2.5 AND LOCAL AMENDMENTS	--	X	--
	2. INSPECT LATERAL RESISTING ELEMENTS, INCLUDING SHEAR WALLS, BRACES, DIAPHRAGMS, COLLECTORS (DRAG STRUTS), AND HOLD-DOWNS FOR THE FOLLOWING:	--	X	
NO	A. MEMBER SIZE, GAUGE THICKNESS, AND MATERIALS	--	X	
NO	B. SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES FOR DIAPHRAGMS AND SHEAR WALLS.	--	X	--
NO	C. SCREW DIAMETER, LENGTH, AND SPACING FOR DIAPHRAGMS AND SHEAR WALLS.	--	X	1705.11.2 1705.12.3
NO	D. BOLTING, ANCHORING, AND OTHER FASTENING OF...	--	X	
NO	E. WELDING OPERATIONS.	--	X	
	3. TRUSSES WITH CLEAR SPAN 60'-0" OR GREATER, INSPECTOR SHALL VERIFY THE FOLLOWING:			
NO	A. TEMPORARY INSTALLATION RESTRAINT/BRACING INSTALLED PER APPROVED TRUSS SUBMITTAL.	X	--	--
NO	B. PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING ARE INSTALLED PER APPROVED TRUSS SUBMITTAL.	X	--	1705.2.4

ABBREVIATIONS

ABOVE FINISHED FLOOR  
ADDITIONAL  
ADJACENT  
AIR CONDITIONER  
AIR HANDLING UNIT  
ALTERNATE  
AMERICAN CONCRETE INSTITUTE  
AMERICAN INSTITUTE OF STEEL CONSTRUCTION  
ANCHOR BOLT  
ANGLE  
APPROXIMATE  
ARCHITECT  
ARCHITECTURAL  
AT

BACK FACE  
BASEMENT  
BEAM  
BEARING  
BELOW FINISH FLOOR  
BETWEEN  
BLOCKING  
BOTTOM

BOTTOM OF  
BOTTOM OF STEEL  
BRICK LEDGE  
BUILDING

CAST-IN-PLACE  
CEILING  
CENTER OF GRAVITY  
CENTER OF GRAVITY OR STRAND  
CENTERLINE  
CLEAR OR CLEARANCE  
COLD FORMED STEEL  
COLUMN  
COMPRESSION  
CONCRETE  
CONCRETE MASONRY UNIT  
CONNECTION  
CONSTRUCTION  
CONSTRUCTION JOINT  
CONTINUOUS  
CONTRACTOR  
CONTROL JOINT  
COORDINATE

DEAD LOAD  
DIAGONAL  
DIAMETER  
DIMENSION  
DOUBLE  
DOWEL  
DRAWING

EACH  
EACH FACE  
EACH WAY  
ELECTRICAL  
ELEVATION  
ELEVATOR  
ENGINEER  
EQUAL  
EQUIPMENT  
EXISTING  
EXISTING  
EXPANSION  
EXPANSION JOINT  
EXTERIOR

FABRICATE  
FAR SIDE  
FIELD VERIFY  
FINISH FLOOR  
FIXED NUMBER  
FLOOR DRAIN  
FOOT (OR) FEET  
FOUNDATION

GAGE OR GAUGE  
GALVANIZED  
GENERAL CONTRACTOR

HEADED STUD  
HEADER  
HEIGHT  
HIGH POINT  
HOLLOW STRUCTURAL SECTION  
HORIZONTAL  
HORIZONTAL BRACE

INFORMATION  
INSIDE DIAMETER  
INSIDE FACE  
INTERIOR  
INTERMEDIATE

JOINT  
JOIST  
JOIST GIRDER

KIP PER LINEAR FOOT  
KIP PER SQUARE FOOT  
KIP PER SQUARE INCH  
KIPS (1000 LBS)

LIGHTWEIGHT

A.F.F.  
ADDL.  
ADJ.  
A/C  
AHU  
ALT  
A.C.I.  
A.I.S.C.  
A.B.  
L  
APPROX.  
ARCH  
ARCHTL  
@

B.F.  
BSMT.  
BM  
BRG.  
B.F.F.  
BTWN  
BLKG.  
BOT. OR  
BOT.  
B.O.  
B.O.S.  
B.L.  
BLDG.

C.I.P.  
CLG.  
C.G.  
C.G.S.  
CL.  
CLR.  
CFS  
COL.  
C  
CONC.  
CMU  
CONN.  
CONST.  
CONST. JT.  
CONT.  
CONTR.  
C.J.  
COORD.

DL  
DIAG.  
DIA. OR Ø  
DIM.  
DBL  
DWL  
DWG

EA.  
E.F.  
E.W.  
ELEC.  
EL  
ELEV.  
ENGR.  
EQ  
EQUIP.  
EXIST.  
(E)  
EXP.  
EJ  
EXT.

FAB.  
FS  
F.V.  
FF  
FN  
FD  
FT  
FDN

GA.  
GALV.  
G.C.

HS  
HD  
HT.  
H.P.  
HSS  
HORIZ.  
H.B.

INFO.  
ID.  
I.F.  
INT.  
INTERM.

JT.  
JST.  
J.G.

KLF  
KSF  
KSI  
K

LW.

LIGHTWEIGHT CONCRETE  
LIVE LOAD  
LOCATION  
LONG LEG HORIZONTAL  
LONG LEG VERTICAL  
LONG SIDE HORIZONTAL  
LONG SIDE VERTICAL  
LONGITUDINAL  
LOW POINT

MANUFACTURER  
MATERIAL  
MAXIMUM  
MECHANICAL  
MECHANICAL, ELECTRICAL, PLUMBING  
METAL  
MEZZANINE  
MIDDLE  
MINIMUM  
MISCELLANEOUS  
MOMENT CONNECTION

NEAR SIDE  
NEW  
NOMINAL  
NON-SHRINK  
NOT IN CONTRACT  
NOT TO SCALE  
NUMBER

ON CENTER  
OPENING  
OPPOSITE  
OPPOSITE HAND  
OUTSIDE DIAMETER  
OUTSIDE FACE

PAN  
PANEL JOINT  
PERPENDICULAR  
PLATE  
POST-TENSION(ED)  
POUNDS  
POUNDS PER CUBIC FOOT  
POUNDS PER LINEAR FOOT  
POUNDS PER SQUARE FOOT  
POUNDS PER SQUARE INCH  
PRE-ENGINEERED METAL BUILDING  
PRECAST CONCRETE  
PREFABRICATED  
PRELIMINARY  
PROJECTION

QUANTITY

REINFORCE(ING)(ED)(MENT)  
REMAINDER  
REQUIRE (D)  
RETENTION SYSTEM  
ROOF TOP UNIT  
ROUGH OPENING

SCHEDULE  
SIMILAR  
SLAB-ON-GRADE  
SPECIFICATION  
SPECIFIED  
SQUARE  
SQUARE FOOT  
STAINLESS STEEL  
STANDARD  
STEEL  
STEEL JOIST INSTITUTE  
STIFFENER  
STIRRUP  
STRUCTURAL  
STRUCTURE  
SUBCONTRACTOR

TEMPORARY  
TENSION  
THICK  
TONGUE AND GROOVE  
TOP AND BOTTOM  
TOP OF  
TOP OF BEAM  
TOP OF CONCRETE  
TOP OF FOOTING  
TOP OF JOIST  
TOP OF PIER  
TOP OF STEEL  
TOP OF WALL  
TYPICAL

WATER STOP  
WELDED DEFORMED BAR ANCHOR  
WELDED WIRE FABRIC  
WIDE FLANGE  
WIND BRACE  
WIND LOAD  
WITH  
WITHOUT  
WORK POINT

ABBREVIATIONS

LWC.  
LL  
LOC.  
LLH  
LLV  
LSH  
LSV  
LONG  
L.P.

MANUF.  
MAT.  
MAX.  
MECH.  
MEP  
MTL  
MEZZ.  
MID.  
MIN.  
MISC.  
MC

NS  
(N)  
NOM.  
N.S.  
N.I.C.  
N.T.S.  
NO.

O.C.  
OPNG.  
OPP.  
O.H.  
O.D.  
O.F.

P  
P.J.  
PERP.  
PL  
P-T  
# OR LBS.  
PCF  
PLF  
PSF  
PSI  
PEMB  
P/C  
PREFAB.  
PRELIM.  
PROJ.

QTY.

REINF.  
R  
REQ.(D)  
RET. SYS.  
RTU  
R.O.

SCHED.  
SIM  
S.O.G.  
SPECS.  
SPEC'D.  
SQ  
SF  
S.S.  
STD  
STL  
S.J.I.  
STIFF.  
STIR.  
STRUCT'L  
STRUCT.  
SUBCONTR.

TEMP.  
T  
THK  
T&G  
T&B  
T.O.B.  
T.O.C.  
T.O.F.  
T.O.J.  
T.O.P.  
T.O.S.  
T.O.W.  
TYP.

U.N.O.

VERT.

WS  
D.B.A.  
W.W.F.  
WF  
WB  
WL  
W/  
W/O  
WP


STANLEY-SALAIZ  
JOINT VENTURE

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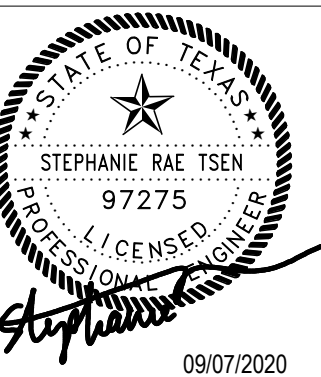
S-0.2

SHEET NO. OF



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210 Barton Springs Rd. Ste. 250 Austin, TX 78704  
(512) 474 4001  
Project # 9170042





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SUE DATE 09/07/2020

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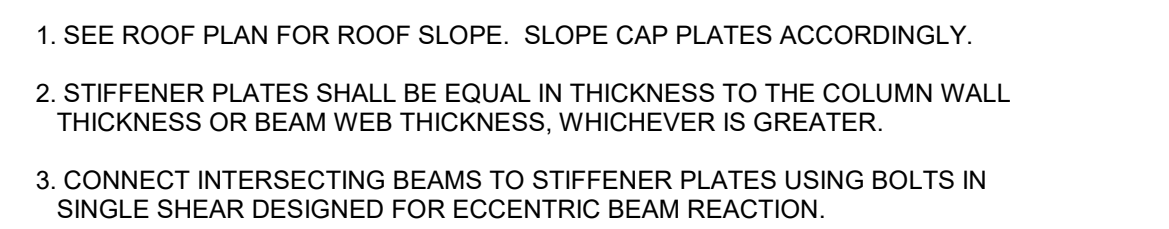
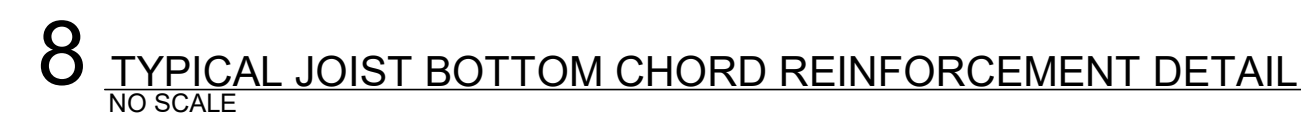
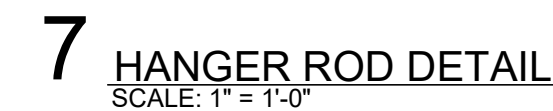
## ANS & DETAILS

S-1.0

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

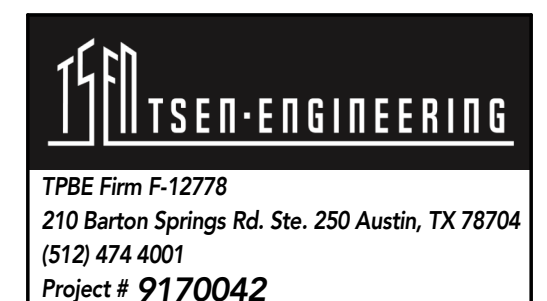


1.            INDICATES 6" LOAD BEARING (GRAVITY AND/OR LATERAL) CFMF STUD WALLS BY CFMF MANUF. DO NOT INSTALL SLIP TRACK AT THESE WALLS.
2. CFMF CEILING JOIST BY CFMF MANUF.
3. GC SHALL CONFIRM DIMENSIONS AND TOP OF STEEL ELEVATIONS WITH ARCHITECTURAL DRAWINGS, COLD FORMED STEEL MANUFACTURER, AND EXISTING CONDITIONS, AND THEY SHALL BE REFLECTED IN THE STEEL SHOP DRAWINGS.
4. THE STEEL FRAMING IS INTEGRAL WITH AND THEREFORE Laterally BRACED BY THE COLD-FORMED STEEL FRAMING AND GYP BOARD. THE COLD-FORMED STEEL MANUFACTURE SHALL INCLUDE MEMBERS THAT ARE DIRECTLY ATTACHED TO THE STRUCTURAL STEEL MEMBERS TO RECEIVE THE GYP BOARD AND ESTABLISH THIS CONTINUITY.



	STANDARD		
BEAM SIZE	ANGLE LENGTH (L)	NO. OF ROWS OF BOLTS (N)	MAX. BEAM REACTION (KIP)
W10	5 1/2"	2	19

- A. RIGHT ANGLE CONNECTIONS SHALL BE DOUBLE ANGLE AS SCHEDULED.
- B. NOTED REACTIONS ARE FOR SERVICE LOADS, AND ARE SHOWN FOR REFERENCE ONLY.
- C. REFER TO "STRUCTURAL STEEL CONNECTIONS" IN STRUCTURAL NOTES FOR ADD'L INFO.
- D. MINIMUM CONNECTION: ANGLE THICKNESS IS 1/4"
- E. BOLTS ARE 3/4" DIA. TYP. BOLTS ARE A325N.
- F. CONTRACTOR SHALL CHECK DESIGN OF ALL BEAMS REQUIRING COPES GREATER THAN SHOWN IN DETAIL BASED ON REACTIONS SHOWN IN TABLE. CONNECTION ANGLES, BOLTS AND WELDS SHALL NOT BE LESS THAN THAT SHOWN.





CADFILE: F:\17029\_COA Cepeda Library\DRAWINGS\CAD\17029\_MP-0.0 - Mechanical & Plumbing Legend, Abbrev & General Notes.dwg Plotted: Mon., Aug. 31, 2020 @ 6:15 PM By: kahraz Scale: 1:1

MECHANICAL LEGEND							
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EXISTING EQUIPMENT TO REMAIN		RETURN AIR DUCT DOWN		DOMESTIC COLD WATER PIPING		PIPE ELBOW DOWN
	EXISTING EQUIPMENT TO BE REMOVED		EXHAUST AIR DUCT DOWN		DOMESTIC HOT WATER PIPING		PIPE ELBOW UP
	NEW EQUIPMENT	SCFM(X)	SUPPLY AIR DEVICE DESIGNATION		HOT WATER RECIRCULATION PIPING		PIPE UNION
	NEW EQUIPMENT ON ROOF OR NEXT HIGHER LEVEL	RCFM(X)	RETURN AIR DEVICE DESIGNATION		TEMPERED HOT WATER		PIPE UNION
	DUCT WITH VOLUME DAMPER	ECFM(X)	EXHAUST AIR DEVICE DESIGNATION		SANITARY WASTE PIPING		GLOBE VALVE
	DUCT WITH FIRE DAMPER		AIR SEPARATOR		GREASE TRAP WASTE PIPING		BALANCING VALVE
	DUCT WITH BACKDRAFT DAMPER		AUTOMATIC AIR VENT		STORM DRAIN PIPING		CONTROL VALVE, 2-WAY
	DUCT WITH MOTORIZED DAMPER		THERMOMETER		OVERFLOW DRAIN PIPING		CONTROL VALVE, 3-WAY
	DUCT MOUNTED SMOKE DETECTOR		THERMOMETER WELL WITH CAP AND CHAIN		SANITARY VENT PIPING		CONTROL VALVE, 3-WAY
	DUCT WITH ACCESS DOOR		VENTURI FLOW METER		ACID RESISTANT WASTE PIPING		BALL VALVE
	ROUND DUCT ELBOW DOWN		FLEXIBLE CONNECTION		ACID VENT PIPING		BUTTERFLY VALVE
	MAIN DUCT WITH SPIN-IN FITTING AND VOLUME DAMPER		HOSE BIB/ FREEZE PROOF HOSE BIBB		UNDERGROUND LINE		GAS VALVE
	FLEXIBLE DUCT		FLOW SWITCH		GAS PIPING		CHECK VALVE, SWING GATE
	SUPPLY AIR DIFFUSER		PRESSURE SWITCH		CONDENSATE DRAIN PIPING		PRESSURE GAUGE ASSEMBLY
	RETURN AIR GRILLE		PUMP		AUXILIARY CONDENSATE DRAIN PIPING		PRESSURE RELIEF VALVE
	EXHAUST AIR GRILLE		HUMIDISTAT		HYDRONIC SUPPLY PIPING		PRESSURE RELIEF VALVE
	SUPPLY AIR DUCT UP		THERMOSTAT		HYDRONIC RETURN PIPING		GAUGE COCK
	RETURN AIR DUCT UP		SECONDARY THERMOSTAT/ TEMPERATURE SENSOR		REFRIGERANT LIQUID PIPING		REDUCER, CONCENTRIC
	EXHAUST AIR DUCT UP		POINT OF DISCONNECT		REFRIGERANT SUCTION PIPING		REDUCER, CONCENTRIC
	SUPPLY AIR DUCT DOWN		POINT OF CONNECTION		CHILLED WATER SUPPLY		REDUCER, ECCENTRIC
			CHILLED WATER RETURN		HEATING WATER SUPPLY		STRAINER
			HEATING WATER RETURN		FIRE LINE		STRAINER, BLOWOFF
					FIRE LINE		CIRCUIT SETTER

NOTE: THIS LEGEND IS GENERAL IN NATURE. SOME OF THE LISTED SYMBOLS MAY NOT APPEAR IN THIS SET OF DRAWINGS.

GENERAL NOTES

1. IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE AND WORKABLE INSTALLATION BE PROVIDED. TO THIS END, THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, SUPERVISION, TRANSPORTATION, WAREHOUSING, AND OTHER SERVICES REQUIRED TO COMPLETE THE WORK IN AN EFFICIENT AND TIMELY MANNER.

2. ALL WORK, INCLUDING MATERIALS AND WORKMANSHIP, SHALL CONFORM TO THE REQUIREMENTS OF ALL LOCAL CODES, LAWS, AND ORDINANCES AND THE NEC, INTERNATIONAL FIRE CODES AND NFPA 101. WORK SHALL BE COMPLETE IN ALL RESPECTS AND IN ACCORDANCE WITH THE BEST ESTABLISHED AND ACCEPTED CONSTRUCTION PRACTICES.

3. CONTRACTOR SHALL FURNISH, INSTALL/ERECT AND MAINTAIN, FOR THE DURATION OF THE WORK, ALL GUARDRAILS, LIGHTS, WARNING SIGNS, STAGING, VENTILATION, ETC. REQUIRED BY LOCAL AND STATE LAWS AND ORDINANCES, INCLUDING THE SAFETY ORDERS OF OSHA.

4. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL BECOME THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS. BY THE ACT OF SUBMITTING A BID, THIS CONTRACTOR ACCEPTS THE CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED.

5. CONTRACTOR SHALL PROTECT EXISTING BUILDINGS, STRUCTURES AND UTILITIES FROM DAMAGE. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT NO EXPENSE TO THE OWNER.

6. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT ALL OFFSETS, BENDS, SPECIAL FITTINGS AND LOCATIONS ARE NOT EXACTLY LOCATED.

7. ALL INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY. BEFORE PROCEEDING WITH THE WORK, CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS, SIZES, REQUIRED CLEARANCES AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF ALL EQUIPMENT AND MATERIALS HEREIN REQUIRED TO OTHER PARTS OF THE WORK AND TO THE WORK OF OTHER TRADES.

8. CONTRACTOR SHALL COMPLY WITH ALL CONTRACT DOCUMENTS IN LAYING OUT THE WORK AND EQUIPMENT. CONTRACTOR SHALL COORDINATE THE WORK WITH THE WORK OF OTHER TRADES AND ALL JOB CONDITIONS.

9. CONTRACTOR SHALL HAVE A COMPETENT SUPERINTENDENT PRESENT AT THE JOB SITE AT ALL TIMES, WITH AUTHORITY TO ACT FOR THE CONTRACTOR.

10. ALL CONTRACTOR PERSONNEL WILL BE RESTRICTED TO THE PARTICULAR JOB SITE OF THIS CONTRACT.

11. UNLESS NOTED OTHERWISE, ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND OF THE HIGHEST QUALITY.

12. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
13. ANY APPARATUS, APPLIANCE, DEVICE, MATERIAL, OR WORK NOT SHOWN ON DRAWINGS BUT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE IN ALL RESPECTS AND READY FOR TESTING AND OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE FURNISHED, DELIVERED, AND INSTALLED BY THE CONTRACTOR WITHOUT ADDITIONAL COST TO THE OWNER.

14. ALL MISCELLANEOUS IRON AND STEEL WORK REQUIRED TO PROPERLY INSTALL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. WORK INCLUDES ALL HANGERS, SUPPORTS, RACKS, BRACKETS AND ANY WELDING REQUIRED.

15. ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED AROUND ALL MECHANICAL, ELECTRICAL AND CONTROL EQUIPMENT TO PERMIT READY AND SAFE OPERATION, EXAMINATION AND MAINTENANCE.

16. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A DAILY RECORD OF ALL DEVIATIONS FROM THE BID DRAWINGS. ALL DIMENSIONS AND OTHER INFORMATION NECESSARY TO COMPLETELY EXPLAIN AND LOCATE ALL ELEMENTS OF THESE DEVIATIONS SHALL BE RECORDED. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL SUBMIT TO THE OWNER'S REPRESENTATIVE, ONE COMPLETE SET OF REPRODUCIBLE DRAWINGS CORRECTED TO REFLECT "AS-BUILT" CONDITIONS OF THE WORK.

17. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH; MAINTAIN THE WORK AREA IN A NEAT, ORDERLY MANNER, AND LEAVE THE PREMISES IN A BROOM-CLEAN CONDITION AT THE END OF EACH DAY. THE CONTRACTOR SHALL FURNISH TRASH BINS AND SHALL BE RESPONSIBLE FOR THE PROPER TRANSPORTATION AND DISPOSAL OF ALL WASTE MATERIAL.

18. ANY INTERRUPTIONS AND/OR SHUTDOWN OF EXISTING SERVICES SHALL BE MADE ONLY WITH THE APPROVAL OF AND AT TIMES DESIGNATED BY OWNER.

19. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL DEMONSTRATE, TO THE OWNER'S SATISFACTION, THE OPERATION OF THE INSTALLED EQUIPMENT AND SYSTEMS TO THE INTENT OF THE DESIGN.

20. ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. DURING THIS PERIOD, ANY DEFECT FOUND IN MATERIAL OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO OWNER'S SATISFACTION, AT THE CONTRACTOR'S EXPENSE.

21. COORDINATE THE INSTALLATION REQUIREMENTS OF EQUIPMENT WITH MANUFACTURERS WRITTEN INSTRUCTIONS. CHANGES REQUIRED FROM THE USE OF PRODUCTS THAT ARE OTHER THAN THE BASIS OF DESIGN SHALL BE BORNE BY THE CONTRACTOR.

ABBREVIATIONS					
A. (AMP)	AMPERES	FLEX.	FLEXIBLE	PLBG.	PLUMBING
A (SYM.)	AMPERES SYMMETRICAL	FPI	FINS PER INCH	PNL.	PANELBOARD
AC	ALTERNATING CURRENT	FRP	FIRE RETARDANT PIPE	POC	POINT OF CONNECTION
AD	ACCESS DOOR	FVNR	FULL VOLTAGE NON-REVERSING	PR.	PAIR
AFD	ADJUSTABLE FREQUENCY DRIVE	GND.	GROUND	QUAD.	QUADRUPLEX
AFF	ABOVE FINISHED FLOOR	GFI	GROUND FAULT CIRCUIT INTERRUPTER	RA	RETURN AIR
AFG	ABOVE FINISHED GRADE	GR.	GRADE	RF.	ROOF
AHJ	AUTHORITY HAVING JURISDICTION	GRC	GALVANIZED RIGID CONDUIT	RPM	REVOLUTIONS PER MINUTE
AIC	AMPS INTERRUPTING CAPACITY	HB	HOSE BIBB	SA	SUPPLY AIR
AR	ACID RESISTANT	HD	HARD-DRAWN	SCCR	SHORT CIRCUIT CURRENT RATING
ATP	AUTOMATIC TRAP PRIMER	HP	HORSEPOWER	SD	SOFT-DRAWN
AVTR	ACID VENT THROUGH ROOF	HW	DOMESTIC HOT WATER	SEER	SEASONAL ENERGY EFFICIENCY RATING
AW	ACID WASTE	HZ.	HERTZ (CYCLES PER SECOND)	SHT.	SHEET
AWG	AMERICAN WIRE GAGE	IG	ISOLATED GROUND	SOV	SHUT-OFF VALVE
BFG	BELOW FINAL GRADE	IMB	ICE MACHINE BOX	SP	STATIC PRESSURE
BLDG.	BUILDING	ISO.	ISOLATION	SPECS.	SPECIFICATIONS
BTU	BRITISH THERMAL UNITS	K	KILO / THOUSAND	STL.	STEEL
BTUH	BRITISH THERMAL UNITS PER HOUR	KCMIL	THOUSAND CIRCULAR MILS	SW.	SWITCH
C.	CONDUIT	KV	KILO-VOLTS	SWBD.	SWITCHBOARD
CAB.	CABINET	KVA	KILO-VOLT x AMPERES	SWGR.	SWITCHGEAR
C/B	CIRCUIT BREAKER	KW	KILO-WATT	T.	TRIP
C/L	CENTERLINE	KWHR	KILO-WATT HOUR (KW x HR.)	T/S	TWISTED/SHIELDED
CFH	CUBIC FEET PER HOUR	LAT	LEAVING AIR TEMPERATURE	TERM.	TERMINATION
CFM	CUBIC FEET PER MINUTE	LR	LONG RADIUS	T-M	THERMAL-MAGNETIC
CKT.	CIRCUIT	LTG.	LIGHTING	TR	TAMPER RESISTANT
CLG.	CEILING	MAX.	MAXIMUM	TSP	TOTAL STATIC PRESSURE
COM	COMMUNICATION CONDUIT	MBH	1000 BTU PER HOUR	TU	TERMINAL UNIT
CONT.	CONTINUE	MC	MECHANICAL CONTRACTOR	TYP.	TYPICAL
CONW.	CONNECT (ION)	MCP	MOTOR CIRCUIT PROTECTOR	UL	UNDERWRITERS LABORATORY
CO	CLEANOUT	MIN.	MINIMUM	UNO	UNLESS NOTED OTHERWISE
COP	COEFFICIENT OF PERFORMANCE	MTR.	MOTOR	V.	VENT
CT	CURRENT TRANSFORMER	MTD.	MOUNTED	V/B	VALVE IN BOX
CW	DOMESTIC COLD WATER	MVD	MANUAL VOLUME DAMPER	VAC	VOLTS AC
DB	DRY BULB	(N)	NEW	VDC	VOLTS DC
DC	DIRECT CURRENT	NC	NORMALLY CLOSED	VFD	VARIABLE FREQUENCY DRIVE
DISC.	DISCONNECT	N.C.	NOISE CRITERIA	VTR	VENT THROUGH ROOF
DN	DOWN	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	VAV, VVT	VARIABLE AIR VOLUME TERMINAL
DS	DOWN SPOUT	NETA	NATIONAL ELECTRICAL TESTING ASSOCIATION	VT	VOLTAGE TAP OR TRANSDUCER
DWGS.	DRAWINGS	NF	NON-FUSED	W.	WATT, WIRE
DYCO	DOUBLE YARD CLEANOUT	NIC	NOT IN CONTRACT	W/	WITH
EA.	EACH	NO	NORMALLY OPEN	WAP	WIRELESS ACCESS POINT
EA	EXHAUST AIR	NO.	NUMBER	WB	WET BULB
EAT	ENTERING AIR TEMPERATURE	OA	OUTSIDE AIR	WCO	WALL CLEANOUT
EC	ELECTRICAL CONTRACTOR	OBD	OPPOSED BLADE DAMPER	WG	WATER GAUGE
EER	ENERGY EFFICIENCY RATING	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED	WHA	WATER HAMMER ARRESTER
EFF.	EFFICIENCY	OH	OPEN HUB DRAIN	WU	WHILE IN USE
ENCL.	ENCLOSURE	P.	POLE (S)	WMB	WASHING MACHINE BOX
ESP	EXTERNAL STATIC PRESSURE	PB	PULL BOX, PUSH-BUTTON	WP	WEATHERPROOF
EXIST., (E)	EXISTING	PD	PRESSURE DROP	WPD	WATER PRESSURE DROP
F.	FUSE(D), FRAME	PF	POWER FACTOR	WR	WEATHER RESISTANT
FCO	FLOOR CLEANOUT	PH.	PHASE	XFMR.	TRANSFORMER
				YCO	YARD CLEANOUT

NOTE: THIS LEGEND IS GENERAL IN NATURE. SOME OF THE LISTED SYMBOLS MAY NOT APPEAR IN THIS SET OF DRAWINGS.

STANLEY-SALAIZ  
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CITY OF AUSTIN  
**CEPEDA LIBRARY RENOVATIONS**  
651 NORTH PLEASANT VALLEY ROAD  
AUSTIN, TEXAS 78702



BID SET	
ISSUE DATE	09-07-2020

REVISIONS	

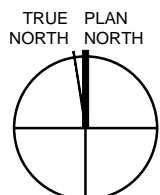
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MECH. & PLUMBING  
LEGEND, ABBREV.  
AND GENERAL NOTES  
**MP-0.0**

CADFILE: F:\17029\_COA Cepeda Library\DRAWINGS\CAD\17029\_MD-1.0 - Mechanical Demolition Floor Plan.dwg Plotted: Mon., Aug. 31, 2020 @ 6:40 PM By: kahiraz Scale: 1/96



**1 MECHANICAL DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"



**GENERAL NOTES:**

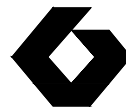
ALL MATERIAL AND EQUIPMENT REMOVED AND NOT SCHEDULED FOR REUSE SHALL BE PRESENTED TO THE OWNER'S REPRESENTATIVE FOR DISPOSITION. ITEMS DEEMED UNSALVAGEABLE BY OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE TRANSPORTED BY HIM TO A LOCATION OFF THE PROJECT SITE.

**DEMOLITION KEYED NOTES:**

- 1 PROVIDE ALL WORK TO DEMOLISH EXISTING DUCTWORK, REGISTERS AND ALL OTHER WORK TO PROVIDE SPACE FOR NEW WORK TO BE INSTALLED.
- 2 PROVIDE ALL WORK TO DEMOLISH EXISTING TRANE DDC SENSOR INCLUDING PROTECTING EXISTING WIRING FOR RECONNECTION TO NEW SPACE DDC SENSOR.
- 3 PROVIDE ALL WORK TO DEMOLISH EXISTING TRANE DDC PANEL INCLUDING PROTECTING EXISTING WIRING FOR RECONNECTION TO NEW SPACE DDC SENSOR.

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MECHANICAL  
DEMOLITION PLAN

**MD-1.0**

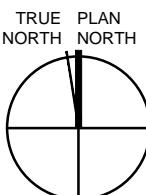
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**1 MECHANICAL FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



## GENERAL NOTES:

DRAWING IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF DUCTWORK, PIPING, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES.

ALL MATERIAL AND EQUIPMENT REMOVED AND NOT SCHEDULED FOR REUSE SHALL BE PRESENTED TO THE OWNER'S REPRESENTATIVE FOR DISPOSITION. ITEMS DEEMED UNSALVAGEABLE BY OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE TRANSPORTED BY HIM TO A LOCATION OFF THE PROJECT SITE.

ALL MATERIAL AND EQUIPMENT SHOWN ARE EXISTING TO REMAIN UNLESS NOTED BY DASHED LINE OR KEYED NOTE IN DRAWING.

## KEYED NOTES:

- 1 PROVIDE ALL WORK FOR NEW DUCTWORK, REGISTER AND ALL OTHER WORK TO PROVIDE SPACE FOR NEW ARCHITECTURAL WORK TO BE INSTALLED.
- 2 PROVIDE NEW TRANE ROOM DDC SENSOR AND ALL WORK FOR INSTALLATION AND CONNECTION TO NEW TRANE DDC SYSTEM.
- 3 PROVIDE NEW TRANE ROOM DDC SENSOR AND ALL WORK FOR RELOCATION OF NEW SENSOR, INSTALLATION AND CONNECTION TO NEW TRANE DDC SYSTEM.
- 4 PROVIDE NEW TRANE CENTRAL DDC CONTROLLER AND ALL WORK FOR CONNECTION TO THE COA LIBRARY GROUP WAN HMI.

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**MECHANICAL FLOOR PLAN**  
**M-1.0**

ADDITIONAL INFORMATION & DIRECTIVES TO BAS CONTRACTOR FOR THIS PROJECT:

A. THE INFORMATION AND DIRECTIVES PROVIDED ON THIS DRAWING FOR THE BUILDING AUTOMATION SYSTEM (BAS) SHALL BE INTERPRETED BY THE BAS CONTRACTOR (BASC) AS HAVING BEEN LISTED AND DESCRIBED ON EACH DRAWING FOR THIS PROJECT. ANY REQUIREMENT OR SCOPE DIRECTIVE LISTED IN ANY PORTION OF THE BAS DRAWINGS, BAS SPECIFICATIONS , OR BAS INPUT / OUTPUT SUMMARY IS DIRECTED AS TO HAVE BEEN LISTED IN ALL PORTIONS AND THE BASC IS DIRECTED TO INCLUDE AS BAS WORK FOR THIS PROJECT. BASC SHALL PROVIDE ALL DIRECT DIGITAL CONTROLLERS (DDCP AND DDC), CONTROL PANELS, ALL BAS NETWORK CONTROLLERS, AND ALL OTHER DEVICES AND WORK PORTIONS IN QUANTITIES TO PROVIDE A COMPLETE PROPERLY OPERATING BAS. THE BAS FOR THIS PROJECT SHALL BE AN EXTENSION OF THE EXISTING TRANE SYSTEM.

B. BASC IS DIRECTED THAT IN THE EVENT OF A SPECIFIC BAS WORK PORTION NOT BEING SHOWN ON THE PLANS OR CALLED OUT FOR SPECIFICALLY IN THE SPECIFICATIONS, OR SPECIFICALLY SHOWN IN THE INPUT/OUTPUT SUMMARIES, BUT IS REQUIRED FOR THE PROPER OPERATION OF THE BAS FOR THIS PROJECT, THAT THE SCOPE IN DISCUSSION SHALL BE INCLUDED BY THE BASC AS WORK FOR THIS PROJECT.

C. BASC IS DIRECTED THAT IF THERE IS A DISCREPANCY OR CONFLICT BETWEEN PLANS, SPECIFICATIONS, OR INPUT / OUTPUT SUMMARIES , BASC SHALL SUBMIT AN RFI TO OBTAIN DIRECTION FROM ENGINEER.

D. BASC SHALL PROVIDE A BAS SYSTEM WHICH IS ACCESSIBLE FROM A LOCAL WORKSTATION HUMAN MACHINE INTERFACE (HMI), AND FROM A REMOTE LOCATION USING A STANDARD WEB BROWSER.

E. BAS CONTRACTOR SHALL PROVIDE ALL SOFTWARE FOR OWNERS USE, WHICH ALLOWS OWNER TO SELF PERFORM CHANGING FUNCTIONS, CHANGING PROGRAMMING, CREATING NEW PROGRAMMING, MODIFYING OR DELETING PORTIONS OF PRESENT PROGRAMMING WITHOUT BEING REQUIRED TO ENGAGE THE SERVICES OF THE BASC. BASC SHALL PROVIDE TECHNICAL SERVICES, PASSWORDS, ACCESS CODES, PROCEDURES, TECHNICAL SERVICES SO AS TO CAUSE THE EXPORTING OF ALL BAS INPUT OUTPUT POINT INFORMATION, EXPORTING COMMANDS, IMPORTING COMMANDS TO OWNER CENTRAL WORKSTATION AND REMOTE WAN HMI.

F. BASC SHALL COORDINATE WITH ALL OTHER TRADES AND INSTALL BAS IN A MANNER ACCORDING TO ALL GOVERNING CODES, WHICH DOES NOT CONFLICT WITH OTHER TRADES OR OBSTRUCT PERMANENT CLEARANCES NEEDED FOR SERVICING, CLEANING, AND/OR REMOVAL OF EQUIPMENT. AUTOMATIC CONTROL VALVES SHALL BE MOUNTED IN LOCATIONS ALLOWING DIRECT ACCESS FOR SERVICE.

G. BASC SHALL PROVIDE INSULATING SUB BASES FOR ALL SENSORS MOUNTED ON EXTERIOR WALLS.

H. BASC SHALL PROVIDE ALL WORK FOR LOW VOLTAGE POWER FOR THE BAS AND BAS SUBSYSTEMS. BAS SYSTEM LOW VOLTAGE POWER TRANSFORMERS AND LOW VOLTAGE POWER WIRING SHALL BE SIZED SUCH THAT IT IS RATED TO DELIVER 125% OF VA REQUIREMENTS FOR THE LOAD SERVED AT THE INSTALLED LOCATION OF THE LOAD SERVED. PROVIDE DEDICATED TRANSFORMERS FOR DDC CONTROLLER, AND A SEPARATE TRANSFORMER FOR FIELD DEVICES.

I. BASC SHALL PROVIDE ALL CONTROL AND INTERLOCK WIRING UNLESS INTERLOCKING WIRING IS SPECIFICALLY SHOWN ON THE ELECTRICAL DRAWINGS.

J. BASC SHALL PROVIDE WIRING AND ASSOCIATED WORK TO COMPLETE CIRCUITS FROM FIRE ALARM DEVICE DRY CONTACTS FOR INTELLIGENT RELAYS AND INTELLIGENT MONITORING MODULES FOR FANS AND THEIR ASSOCIATED AUTOMATIC DAMPERS. BASC SHALL PROVIDE ALL UNIT SHUT DOWN WIRING. BASC SHALL PROVIDE ALL INTERLOCK WIRING BETWEEN FANS, AND THEIR ASSOCIATED STARTING EQUIPMENT.

K. BASC SHALL PROVIDE ANY REQUIRED POWER CONDUIT AND WIRING ( 120V OR HIGHER ) FOR ITS OWN USE, IF POWER WIRING IS NOT SHOWN AS BEING PROVIDED BY THE ELECTRICAL CONTRACTOR ON THE ELECTRICAL PLANS. BASC SHALL PROVIDE ELECTRICAL SERVICE SWITCH AT EACH TRANSFORMER , PANEL, AND CS ENCLOSURE. BASC SHALL PROVIDE ANY REQUIRED EXTENSION OF POWER CONDUIT AND WIRING ( 120V OR HIGHER ) FOR ITS OWN USE , FROM POINT OF WHERE POWER WIRING IS SHOWN AS BEING PROVIDED TO BY THE ELECTRICAL CONTRACTOR ON THE ELECTRICAL PLANS.

L. BASC SHALL INCLUDE PROVIDING A BAS SUBMITTAL CONTAINING A BAS NETWORK ARCHITECTURAL DIAGRAM COMPLETE WITH INDIVIDUAL CONTROLLER IDENTIFIER CALLED OUT AND INDIVIDUAL CONTROL PANEL IDENTIFIER CALLED OUT SO AS TO ALLOW REVIEWER THE ABILITY TO OBSERVE THE UNIQUELY IDENTIFIED CONTROLLER AND UNIQUELY IDENTIFIED CONTROL PANEL AND THEN DETERMINE WHERE THAT CONTROL PANEL AND CONTROLLER ARE LOCATED ON THE ACCOMPANYING FLOOR PLANS. DIAGRAM SHALL INCLUDE SHOWING THE NETWORK CABLE IDENTIFICATION TAGGING ENTERING AND LEAVING EACH PANEL, DDCP CONTROLLER, DDC CONTROLLER, NETWORK CONTROL UNITS , AND NETWORK INTERFACE CARDS / NETWORK INTEGRATION CARDS PROVIDED ON PRIMARY EQUIPMENT.

M. BASC SHALL PROVIDE A SUBMITTAL CONTAINING SIZING CALCULATIONS FOR TRANSFORMERS.

N. BASC SHALL PROVIDE AS PART OF THE BAS SUBMITTAL, TECHNICAL DATA SHEETS FOR EACH ITEM IN THE BAS AND EACH ITEM USED IN THE BAS INSTALLATION COMPLETE WITH ALL INFORMATION STRUCK THROUGH AND DELETED WHICH DOES NOT APPLY TO THIS PROJECT. THE COMPLETE MODEL NUMBER SHALL BE DESIGNATED AND THE DEVICES FOR WHICH THE TECHNICAL DATA SHEET APPLIES TO SHALL HAVE THEIR TAGGING IDENTIFICATION NAME FOR THIS PROJECT CALLED OUT AND MARKED ON THE TECHNICAL DATA SHEET WHICH APPLIES TO THAT BAS ITEM.

O. BASC IS DIRECTED THAT ALL LABELING IS TO BE MACHINE MADE AND ANY TEMPORARY LABELING SHALL BE ON REMOVABLE TAPE SO AS TO NOT MARK OR PERMANENTLY DISFIGURE OR DISCOLOR ANY ITEMS, EQUIPMENT, OR SURFACES. PROVIDE TECHNICAL DATA SHEETS AND INFORMATION ON THE LABELING PROCESS INTENDED FOR USE BY THE BASC.

P. BASC SHALL PROVIDE CORRECT PLACEMENT IN THE CORRECT POSITION OF ALL SAFETIES SUCH THAT THE SAFETIES OCCUR AT THE HIGHEST LAST POINT IN THE LOAD HOLDING CIRCUIT DURING NORMAL MODE OPERATION SO AS TO PROVIDE SHUTDOWN ON ALARM IRRESPECTIVE OF THE POSITION OF THE LOAD STARTING CIRCUIT H-O-A SWITCH POSITION. THE SAFETIES FOR A FAN SHALL BE OVERRIDDEN IF COMMANDED TO DO SO BY THE FOP AS WORK TO BE PROVIDED BY THE FASC, HOWEVER THE BASC SHALL PROVIDE THE WORK FOR COMPLETING THE CIRCUIT FROM THE POINT OF THE FIRE ALARM RELAY OR MONITORING MODULE TO THE FAN VFD AND AUTOMATIC DAMPERS.

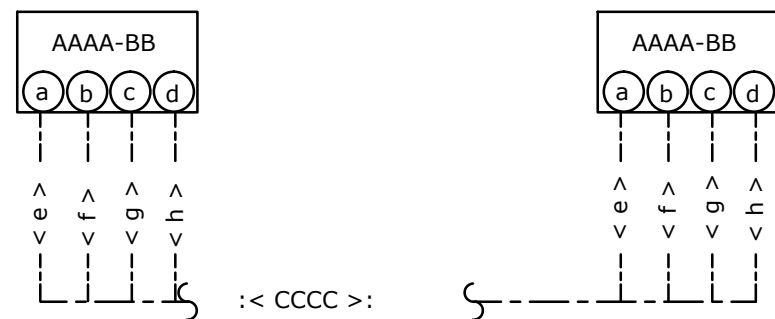
Q. ALL WIRING FOR BAS AND OTHER SUBSYSTEMS SHALL BE PROVIDED IN EMT USING INSULATED COMPRESSION FITTING INDOORS IN ALL LOCATIONS EXCEPT WET. GRC CONDUIT SHALL BE PROVIDED FOR INDOOR WET LOCATIONS. GRC CONDUIT SHALL BE PROVIDED FOR ALL OUTDOOR APPLICATIONS, MECHANICAL EQUIPMENT ROOMS BELOW 60" AFF. LIQUID TIGHT FLEXIBLE CONDUIT SHALL BE USED FOR WET OR OUTDOOR APPLICATIONS, FOR THE LAST 3 FEET OF CONDUIT RUN. ACCESSIBLE AREAS ABOVE LAY IN CEILING SHALL BE RUN IN EMT. CONDUIT FILL SHALL BE LIMITED TO 40%.

R. BASC SHALL PROVIDE ANY MODIFICATIONS TO THE BAS DURING THE CONSTRUCTION OF THIS PROJECT IF SUCH MODIFICATIONS ARE REQUIRED TO SATISFY THE REQUIREMENT FOR PROVIDING A FULL PROPERLY OPERATING BAS, IRRESPECTIVE OF CONTENT AS PRESENTED IN SUBMITTALS, OR THE REVIEW COMMENTS PROVIDED PERTAINING TO SUBMITTALS PRESENTED.

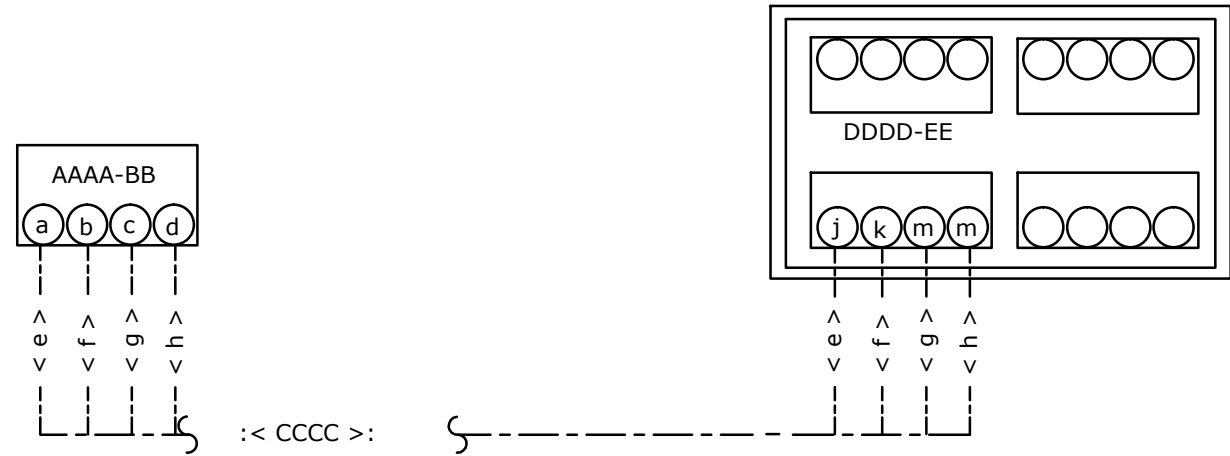
S. BASC SHALL PROVIDE A BAS SUBMITTAL CONTAINING WIRING DIAGRAMS WHICH SHOW TERMINATIONS WITH INDIVIDUAL TAGGING FOR ALL TERMINATION POINTS ON ALL ENDS OF WIRING, COMPLETE WITH CABLE ID TAGGING ON ALL ENTERING OPENINGS AND LEAVING OPENINGS OF EACH ENCLOSURE, CONTROLLER, AND PANEL. SUBMITTALS SHALL BE COMPLETE SO AS TO ALLOW REVIEWER TO OBSERVE THE UNIQUELY IDENTIFIED FIELD DEVICE PROVIDED AND DETERMINE WHAT DDC PANEL, WHAT TERMINALS IN THAT DDC PANEL, WHAT EQUIPMENT AND DEVICES , THAT THE DEVICE IS TO BE TERMINATED TO. DIAGRAMS SHALL BE OF TEH DETAIL SHOWN ON THIS DRAWING, AS MINIMUM REQUIREMENT.

BAS POINT TO POINT WIRING DIAGRAM METHODS FOR THIS PROJECT:

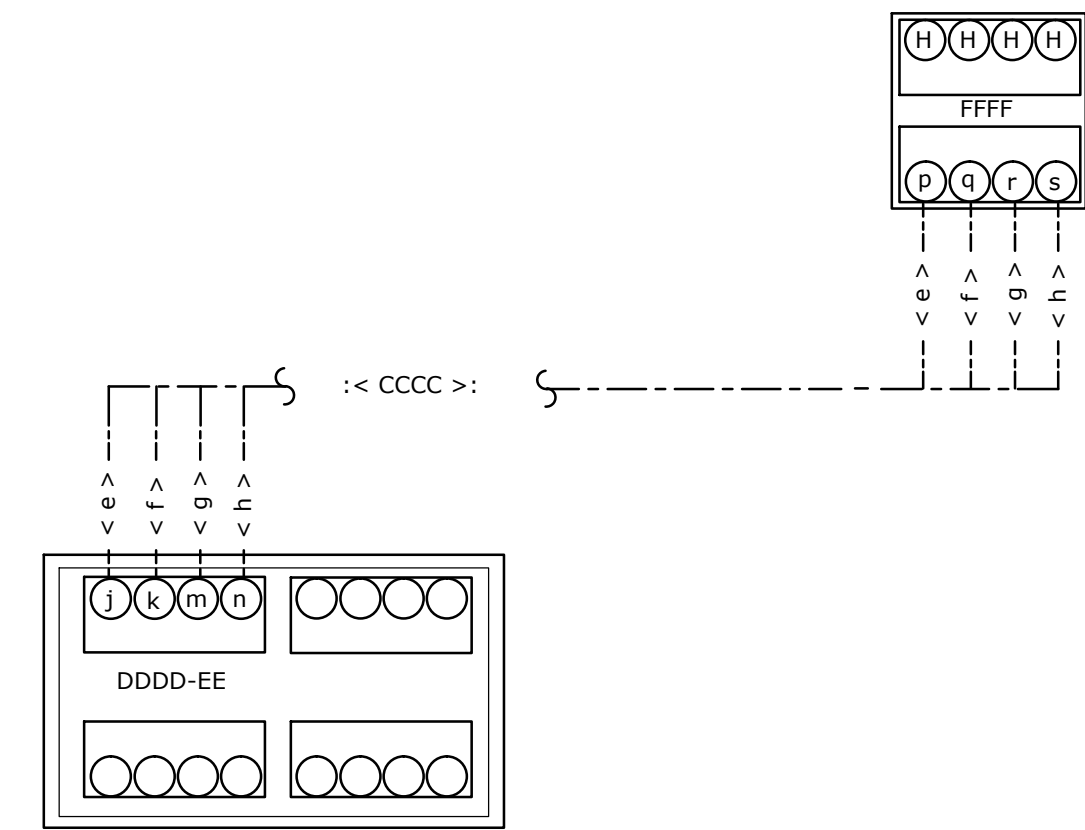
DEVICE TO DEVICE WIRING :



DEVICE TO DDC CONTROLLER WIRING :



DDC CONTROLLER TO HVAC EQUIPMENT OEM TERMINAL BLOCK WIRING :



DDC CONTROLLER TO DDC CONTROLLER NETWORK WIRING :

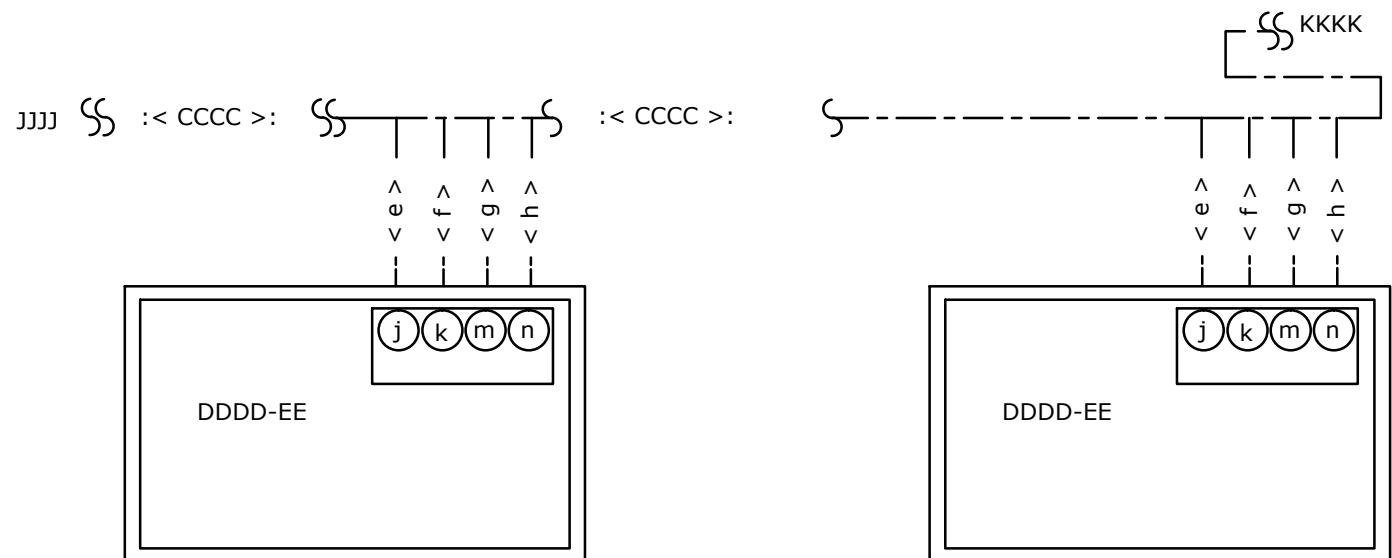


DIAGRAM KEY NOTES OR DEFINITIONS :

AAAA=DEVICE TAG AS IT APPEARS ON BMS BILL OF MATERIAL

BB=DEVICE ID NUMBER

a, b, c, d=DEVICE TERMINAL NAME OR NUMBER AS IT APPEARS ON DEVICE

CCCC=CABLE TAG WITH INDIVIDUAL ID

e, f, g, h=INDIVIDUAL CONDUCTOR TAG OR COLOR

DIAGRAM KEY NOTES OR DEFINITIONS :

AAAA=DEVICE TAG AS IT APPEARS ON BMS BILL OF MATERIAL

BB=DEVICE ID NUMBER

a, b, c, d=DEVICE TERMINAL NAME OR NUMBER AS IT APPEARS ON DEVICE

DDDD=DDC CONTROLLER TAG AS IT APPEARS ON BAS BILL OF MATERIAL

EE=DDC CONTROLLER ID NUMBER

j, k, m, n=DDC CONTROLLER TERMINAL NAME OR NUMBER AS IT APPEARS ON DDC CONTROLLER

CCCC=CABLE TAG WITH INDIVIDUAL ID

e, f, g, h=INDIVIDUAL CONDUCTOR TAG OR COLOR

DIAGRAM KEY NOTES OR DEFINITIONS :

DDDD=DDC CONTROLLER TAG AS IT APPEARS ON BMS BILL OF MATERIAL

EE=DDC CONTROLLER ID NUMBER

j, k, m, n=DDC CONTROLLER TERMINAL NAME OR NUMBER AS IT APPEARS ON DDC CONTROLLER

CCCC=CABLE TAG WITH INDIVIDUAL ID

e, f, g, h=INDIVIDUAL CONDUCTOR TAG OR COLOR

FFFF=HVAC EQUIPMENT OEM TERMINAL BLOCK ID

H=HVAC EQUIPMENT OEM INTERNAL WIRING SIDE OF TERMINAL BLOCK

DIAGRAM KEY NOTES OR DEFINITIONS :

DDDD=DDC CONTROLLER TAG AS IT APPEARS ON BMS BILL OF MATERIAL

EE=DDC CONTROLLER ID NUMBER

j, k, m, n=DDC CONTROLLER TERMINAL NAME OR NUMBER AS IT APPEARS ON DDC CONTROLLER

CCCC=CABLE TAG WITH INDIVIDUAL ID

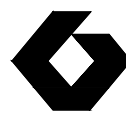
e, f, g, h=INDIVIDUAL CONDUCTOR TAG OR COLOR

JJJJ=DDC CONTROLLER TAG FROM DDC CONTROLLER CONNECTED IMMEDIATELY PRIOR TO THIS CONTROLLER

KKKK=DDC CONTROLLER TAG FROM DDC CONTROLLER CONNECTED IMMEDIATELY AFTER THIS CONTROLLER

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BAS CONTROLS  
INFORMATION

M-2.0

SHEET NO. 28 OF 36



ELECTRICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	LIGHT FIXTURE (*F.X*=TYPE a=SWITCH CONTROL I.D.)		125V. 20A. DUPLEX RECEPTACLE @ 18" AFF.
	RECESSED CAN LTG. FIXTURE (*F.X*=TYPE a=SWITCH CONTROL I.D.)		125V. 20A. QUADPLEX RECEPTACLE
	WALL BRACKET LTG. FIXTURE (*F.X*=TYPE a=SWITCH CONTROL I.D.)		125V. 20A DUPLEX RECEPTACLE (*GFI* = GROUND FAULT CIRCUIT INTERRUPTER, *WP* = WEATHERPROOF/ WEATHER RESISTANT, *WU* = WHILE-IN-USE, *TR* = TAMPER RESISTANT, *IG* = ISOLATED GROUND *CLG* = CEILING MOUNTED)
	EMERGENCY LIGHT (*F.X*=TYPE a=SWITCH CONTROL I.D.)		
	EMERGENCY LIGHT NIGHT LIGHT (*F.X*)		125V. 20A DUPLEX OR QUADPLEX RECEPTACLE MOUNT @ 8" ABOVE COUNTERTOP OR 42" AFF
	CEILING MTD EXIT LIGHT WITH ARROWS (*EX* = TYPE)		SAME AS ABOVE EXCEPT FED FROM MODULAR WIRING SYSTEM
	WALL MOUNTED EXIT LIGHT (*EX* = TYPE)		(WALL, FLOOR) SPECIAL PURPOSE RECEPTACLE
	SITE POLE LIGHT (*S.X* = TYPE)		RECEPTACLE IN FLOOR BOX
	CEILING MOUNTED MANUAL ON DUAL TECHNOLOGY LOW VOLTAGE OCCUPANCY SENSOR. (a=SWITCH CONTROL I.D.)		125V. 20A. SIMPLEX RECEPTACLE @ 18" AFF.
	CEILING MOUNTED AUTOMATIC ON DUAL TECHNOLOGY LOW VOLTAGE OCCUPANCY SENSOR. (a=SWITCH CONTROL I.D.)		JUNCTION BOX IN WALL @ 18" AFF. (UNO) (*X*= NUMBER OF GANGS *CLG* = CEILING MOUNTED, *FLR* = FLOOR MOUNTED)
	WALL MOUNTED OCCUPANCY SENSOR @ +48"		
	120-277V, 20A TOGGLE SWITCH @ 48" AFF. (a=SWITCH CONTROL I.D.)		SERVICE MOUNTED RACEWAY REFER TO DETAILS/SPECIFICATIONS
	120-277V, 20A THREE WAY TOGGLE SWITCH @ 48" AFF. (a=SWITCH CONTROL I.D.)		
	120-277V, 20A FOUR WAY TOGGLE SWITCH @ 48" AFF. (a=SWITCH CONTROL I.D.)		FLOOR BOX FOR POWER, DATACOM, AND A / V *X* IS THE TYPE, REFER TO SPECIFICATIONS
	120-277V, 20A DIMMER SWITCH (XXXX WATT-RATING) (a=SWITCH CONTROL I.D.)		FIRE RATED POKE-THRU, *X* IS THE TYPE REFER TO POKE-THRU SCHEDULE
	0-10V DIMMER SWITCH (a=SWITCH CONTROL I.D.)		CONTACTOR (*X* = DESIGNATION)
	120-277V, 20A KEYED SWITCH @ 48" AFF. (a=SWITCH CONTROL I.D.)		TIME CLOCK
	120-277V, 20A MOTOR RATED SWITCH		PUSHBUTTON @ 48" AFF.
	120-277V, 20A TOGGLE SWITCH WITH PILOT "ON" FEATURE @ 48" AFF.		HAND DRYER
	120-277V, 20A SPRING-WOUND TIMER @ 48" AFF.		ELECTRIC EYE FOR OVERHEAD DOOR
	SPECIAL SWITCHING DEVICE @ 48" AFF.		ELECTRIC LOCK, BY SECURITY CONTRACTOR
	NON-FUSED DISCONNECT/SAFETY SWITCH (*XX* IS AMPERAGE RATING OF THE SWITCH)		TELEVISION OUTLET
	FUSED DISCONNECT/SAFETY SWITCH (*XX* IS AMPERAGE RATING OF THE FUSE)		WALL SPEAKER, CEILING SPEAKER
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH		VOLUME CONTROL @ 48" AFF.
	VARIABLE FREQUENCY DRIVE		CLOCK
	PANELBOARD (*XX* = DESIGNATION)		LV CABLING OUTLET @ 18" AFF.
	DRY-TYPE TRANSFORMER		LV CABLING OUTLET MOUNT @ 8" ABOVE COUNTERTOP
	GROUND BUS		CARD ACCESS DEVICE @ 44" AFF.
	UNI-STRUT		AMPLIFIER RACK
	LOW VOLTAGE SLEEVE, WITH EMT BUSHINGS ON BOTH ENDS, (*X* INDICATES SIZE)		TEACHERS RACK
LINE TYPE	NEW DEVICE/EQUIPMENT		CIRCUIT HOMERUN TO PANELBOARD (*XX* = PANELBOARD DESIGNATION)
LINE TYPE	DEVICE/EQUIPMENT EXISTING TO REMAIN		BELOW GRADE CIRCUIT HOMERUN TO PANELBOARD (*XX* = PANELBOARD DESIGNATION)
LINE TYPE	DEVICE/EQUIPMENT TO BE REMOVED		ABOVE GRADE CONDUIT
	DETAIL/ENLARGED PLAN CALLOUT *X* IS DETAIL/ENLARGED PLAN NUMBER *XX* IS DRAWING NUMBER		BELOW GRADE CONDUIT

NOTES: THIS LEGEND IS GENERAL IN NATURE. SOME OF THE LISTED SYMBOLS MAY NOT APPEAR IN THIS SET OF DRAWINGS.

ABBREVIATIONS			
A. (AMP)	AMPERES	MBH	1000 BTU PER HOUR
A (SYM.)	AMPERES SYMMETRICAL	MC	MECHANICAL CONTRACTOR
AC	ALTERNATING CURRENT	MCP	MOTOR CIRCUIT PROTECTOR
AD	ACCESS DOOR	MIN.	MINIMUM
AFD	ADJUSTABLE FREQUENCY DRIVE	MTR.	MOTOR
AFF	ABOVE FINISHED FLOOR	MTD.	MOUNTED
AFG	ABOVE FINISHED GRADE	MVD	MANUAL VOLUME DAMPER
AHJ	AUTHORITY HAVING JURISDICTION	(N)	NEW
AIC	AMPS INTERRUPTING CAPACITY	NC	NORMALLY CLOSED
AR	ACID RESISTANT	N.C.	NOISE CRITERIA
ATP	AUTOMATIC TRAP PRIMER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
AVTR	ACID VENT THROUGH ROOF	NETA	NATIONAL ELECTRICAL TESTING ASSOCIATION
AW	ACID WASTE	NF	NON-FUSED
AWG	AMERICAN WIRE GAGE	NIC	NOT IN CONTRACT
BFG	BELOW FINAL GRADE	NO	NORMALLY OPEN
BLDG.	BUILDING	NO.	NUMBER
BTU	BRITISH THERMAL UNITS	OA	OUTSIDE AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	OBD	OPPOSED BLADE DAMPER
C.	CONDUIT	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
CAB.	CABINET	OHD	OPEN HUB DRAIN
C/B	CIRCUIT BREAKER	P.	POLE (S)
C/L	CENTERLINE	PB	PULL BOX, PUSH-BUTTON
CFH	CUBIC FEET PER HOUR	PD	PRESSURE DROP
CFM	CUBIC FEET PER MINUTE	PF	POWER FACTOR
CKT.	CIRCUIT	PH.	PHASE
CLG.	CEILING	PLBG.	PLUMBING
COM	COMMUNICATION CONDUIT	PNL.	PANELBOARD
CONT.	CONTINUE	POC	POINT OF CONNECTION
CONN.	CONNECT (ION)	PR.	PAIR
CO	CLEANOUT	QUAD.	QUADRUPLX
COP	COEFFICIENT OF PERFORMANCE	RA	RETURN AIR
CT	CURRENT TRANSFORMER	RF.	ROOF
CW	DOMESTIC COLD WATER	RPM	REVOLUTIONS PER MINUTE
DB	DRY BULB	SA	SUPPLY AIR
DC	DIRECT CURRENT	SCCR	SHORT CIRCUIT CURRENT RATING
DISC.	DISCONNECT	SD	SOFT-DRAWN
DN	DOWN	SEER	SEASONAL ENERGY EFFICIENCY RATING
DS	DOWN SPOUT	SHT.	SHEET
DWGS.	DRAWINGS	SOV	SHUT-OFF VALVE
DYCO	DOUBLE YARD CLEANOUT	SP	STATIC PRESSURE
EA.	EACH	SPECS.	SPECIFICATIONS
EA	EXHAUST AIR	STL.	STEEL
EAT	ENTERING AIR TEMPERATURE	SW.	SWITCH
EC	ELECTRICAL CONTRACTOR	SWBD.	SWITCHBOARD
EER	ENERGY EFFICIENCY RATING	SWGR.	SWITCHGEAR
EFF.	EFFICIENCY	T.	TRIP
ENCL.	ENCLOSURE	T/S	TWISTED/SHIELDED
ESP	EXTERNAL STATIC PRESSURE	TERM.	TERMINATION
EXIST., (E)	EXISTING	T-M	THERMAL-MAGNETIC
F.	FUSE(D), FRAME	TR	TAMPER RESISTANT
FCO	FLOOR CLEANOUT	TSP	TOTAL STATIC PRESSURE
FLEX.	FLEXIBLE	TU	TERMINAL UNIT
FPI	FINS PER INCH	TYP.	TYPICAL
FRP	FIRE RETARDANT PIPE	UL	UNDERWRITERS LABORATORY
FVNR	FULL VOLTAGE NON-REVERSING	UNO	UNLESS NOTED OTHERWISE
GND.	GROUND	V.	VENT
GFI	GROUND FAULT CIRCUIT INTERRUPTER	VIB	VALVE IN BOX
GR.	GRADE	VAC	VOLTS AC
GRC	GALVANIZED RIGID CONDUIT	VDC	VOLTS DC
HB	HOSE BIBB	VFD	VARIABLE FREQUENCY DRIVE
HD	HARD-DRAWN	VTR	VENT THROUGH ROOF
HP	HORSEPOWER	VAV, VVT	VARIABLE AIR VOLUME TERMINAL
HW	DOMESTIC HOT WATER	VT	VOLTAGE TAP OR TRANSDUCER
HZ.	HERTZ (CYCLES PER SECOND)	W.	WATT, WIRE
IG	ISOLATED GROUND	W/	WITH
IMB	ICE MACHINE BOX	WAP	WIRELESS ACCESS POINT
ISO.	ISOLATION	WB	WET BULB
K	KILO / THOUSAND	WCO	WALL CLEANOUT
KCMIL	THOUSAND CIRCULAR MILS	WG	WATER GAUGE
KV	KILO-VOLTS	WHA	WATER HAMMER ARRESTER
KVA	KILO-VOLT x AMPERES	WIU	WHILE IN USE
KW	KILO-WATT	WMB	WASHING MACHINE BOX
KWHR	KILO-WATT HOUR (KW x HR.)	WP	WEATHERPROOF
LAT	LEAVING AIR TEMPERATURE	WPD	WATER PRESSURE DROP
LR	LONG RADIUS	WR	WEATHER RESISTANT
LTG.	LIGHTING	XFMR.	TRANSFORMER
MAX.	MAXIMUM	YCO	YARD CLEANOUT


NOTE: THIS LEGEND IS GENERAL IN NATURE. SOME OF THE LISTED SYMBOLS MAY NOT APPEAR IN THIS SET OF DRAWINGS.

## GENERAL NOTES

- IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE AND WORKABLE INSTALLATION BE PROVIDED. TO THIS END, THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, SUPERVISION, TRANSPORTATION, WAREHOUSING, AND OTHER SERVICES REQUIRED TO COMPLETE THE WORK IN AN EFFICIENT AND TIMELY MANNER.
- ALL WORK, INCLUDING MATERIALS AND WORKMANSHIP, SHALL COMPLY WITH THE REQUIREMENTS OF ALL LOCAL CODES, LAWS, AND ORDINANCES AND THE NEC, INTERNATIONAL FIRE CODES,AND NFPA 101. WORK SHALL BE COMPLETE IN ALL RESPECTS AND IN ACCORDANCE WITH THE BEST ESTABLISHED AND ACCEPTED CONSTRUCTION PRACTICES.
- CONTRACTOR SHALL FURNISH, INSTALL/ERECT AND MAINTAIN, FOR THE DURATION OF THE WORK, ALL GUARDRAILS, LIGHTS, WARNING SIGNS, STAGING, VENTILATION, ETC. REQUIRED BY LOCAL AND STATE LAWS AND ORDINANCES, INCLUDING THE SAFETY ORDERS OF OSHA.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL BECOME THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS. BY THE ACT OF SUBMITTING A BID, THIS CONTRACTOR ACCEPTS THE CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED.
- CONTRACTOR SHALL PROTECT EXISTING BUILDINGS, STRUCTURES AND UTILITIES FROM DAMAGE. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT NO EXPENSE TO THE OWNER.
- THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT ALL OFFSETS, BENDS, SPECIAL FITTINGS AND LOCATIONS ARE NOT EXACTLY LOCATED.
- ALL INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY. BEFORE PROCEEDING WITH THE WORK, CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS, SIZES, REQUIRED CLEARANCES AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF ALL EQUIPMENT AND MATERIALS HEREIN REQUIRED TO OTHER PARTS OF THE WORK AND TO THE WORK OF OTHER TRADES.
- CONTRACTOR SHALL COMPLY WITH ALL CONTRACT DOCUMENTS IN LAYING OUT THE WORK AND EQUIPMENT. CONTRACTOR SHALL COORDINATE THE WORK WITH THE WORK OF OTHER TRADES AND ALL JOB CONDITIONS.
- CONTRACTOR SHALL HAVE A COMPETENT SUPERINTENDENT PRESENT AT THE JOB SITE AT ALL TIMES, WITH AUTHORITY TO ACT FOR THE CONTRACTOR.
- ALL CONTRACTOR PERSONNEL WILL BE RESTRICTED TO THE PARTICULAR JOB SITE OF THIS CONTRACT.
- UNLESS NOTED OTHERWISE, ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND OF THE HIGHEST QUALITY.
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
- ANY APPARATUS, APPLIANCE, DEVICE, MATERIAL, OR WORK NOT SHOWN ON DRAWINGS BUT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE IN ALL RESPECTS AND READY FOR TESTING AND OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE FURNISHED, DELIVERED, AND INSTALLED BY THE CONTRACTOR WITHOUT ADDITIONAL COST TO THE OWNER.
- ALL MISCELLANEOUS IRON AND STEEL WORK REQUIRED TO PROPERLY INSTALL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. WORK INCLUDES ALL HANGERS, SUPPORTS, RACKS, BRACKETS AND ANY WELDING REQUIRED.
- ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED AROUND ALL MECHANICAL, ELECTRICAL AND CONTROL EQUIPMENT TO PERMIT READY AND SAFE OPERATION, EXAMINATION AND MAINTENANCE.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A DAILY RECORD OF ALL DEVIATIONS FROM THE BID DRAWINGS. ALL DIMENSIONS AND OTHER INFORMATION NECESSARY TO COMPLETELY EXPLAIN AND LOCATE ALL ELEMENTS OF THESE DEVIATIONS SHALL BE RECORDED. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL SUBMIT TO THE OWNER'S REPRESENTATIVE, ONE COMPLETE SET OF REPRODUCIBLE DRAWINGS CORRECTED TO REFLECT "AS-BUILT" CONDITIONS OF THE WORK.
- THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH; MAINTAIN THE WORK AREA IN A NEAT, ORDERLY MANNER, AND LEAVE THE PREMISES IN A BROOM-CLEAN CONDITION AT THE END OF EACH DAY. THE CONTRACTOR SHALL FURNISH TRASH BINS AND SHALL BE RESPONSIBLE FOR THE PROPER TRANSPORTATION AND DISPOSAL OF ALL WASTE MATERIAL.
- ANY INTERRUPTIONS AND/OR SHUTDOWN OF EXISTING SERVICES SHALL BE MADE ONLY WITH THE APPROVAL OF AND AT TIMES DESIGNATED BY OWNER.
- UPON COMPLETION OF WORK, THE CONTRACTOR SHALL DEMONSTRATE, TO THE OWNER'S SATISFACTION, THE OPERATION OF THE INSTALLED EQUIPMENT AND SYSTEMS TO THE INTENT OF THE DESIGN.
- ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. DURING THIS PERIOD, ANY DEFECT FOUND IN MATERIAL OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO OWNER'S SATISFACTION, AT THE CONTRACTOR'S EXPENSE.
- COORDINATE THE INSTALLATION REQUIREMENTS OF EQUIPMENT WITH MANUFACTURERS WRITTEN INSTRUCTIONS. CHANGES REQUIRED FROM THE USE OF PRODUCTS THAT ARE OTHER THAN THE BASIS OF DESIGN SHALL BE BORNE BY THE CONTRACTOR.

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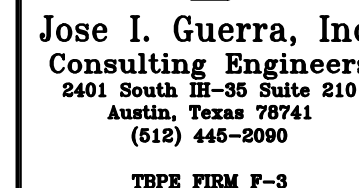
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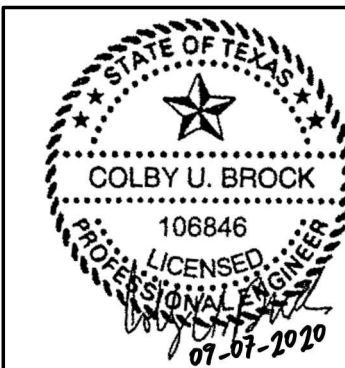
ELECTRICAL LEGEND,  
ABBREV. & GEN. NOTES

E-0.0

SHEET NO. 29 OF 36



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## ELECTRICAL POWER DEMOLITION PLAN

ED-1.0

SHEET NO. 30 OF 36

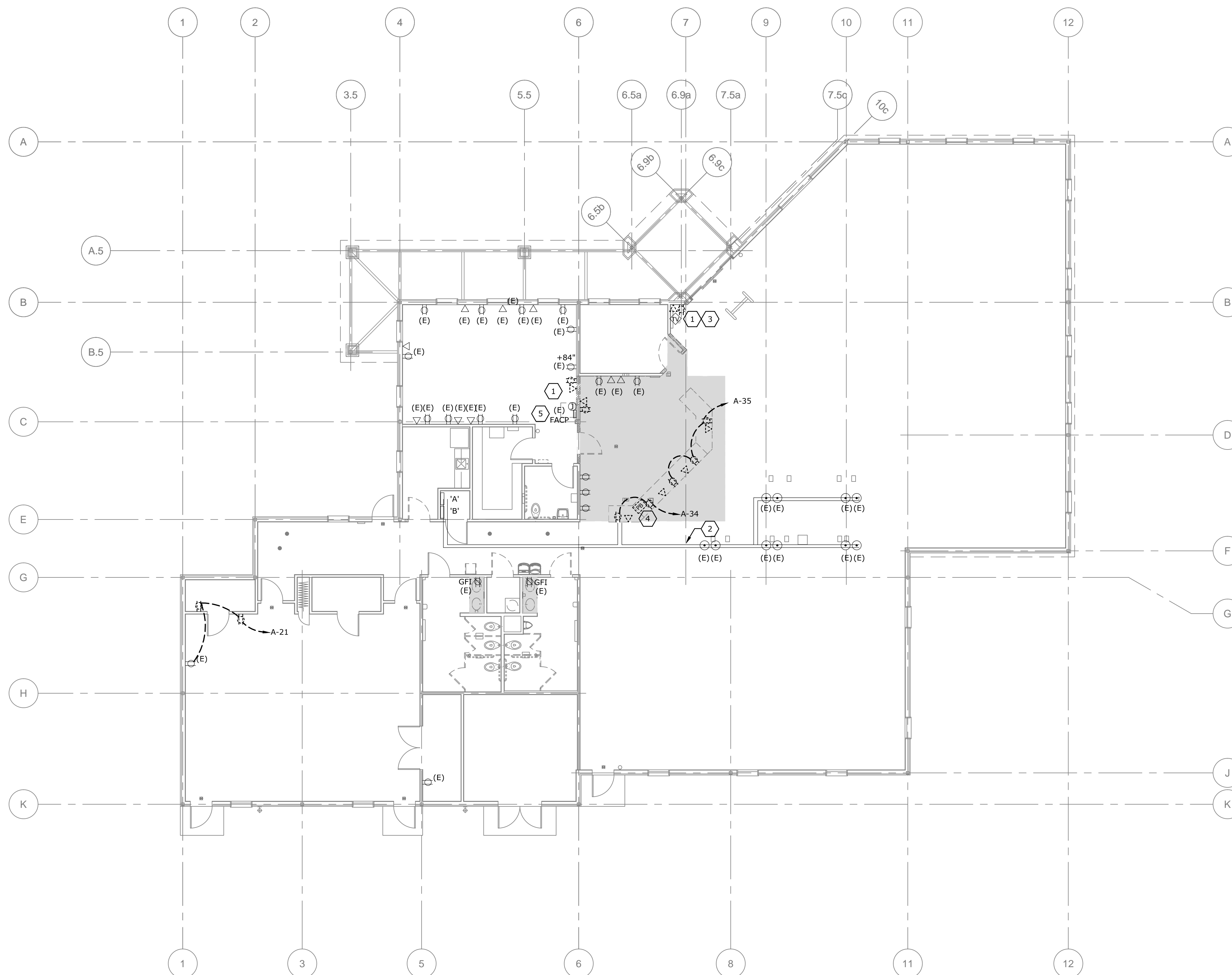
DRAWING IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF CONDUIT, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES. COORDINATE WITH CONSULTANT AND OWNER OWNER PRIOR TO START OF CONSTRUCTION.

ALL MATERIAL AND EQUIPMENT REMOVED AND NOT SCHEDULED FOR REUSE SHALL BE PRESENTED TO THE OWNER'S REPRESENTATIVE FOR DISPOSITION. ITEMS DEEMED UNSALVAGEABLE BY OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE TRANSPORTED TO A LOCATION OFF THE PROJECT SITE AND LEGALLY DISPOSED OF.

PRIOR TO BIDDING THE WORK, BIDDERS SHALL TAKE RELEVANT FIELD MEASUREMENTS AND PERFORM RELEVANT FIELD INVESTIGATION, AND EXAMINE AND COMPARE THE CONTRACT DOCUMENTS AND INFORMATION FURNISHED BY OWNER TO DISCERN ANY VISIBLE OR REASONABLY ANTICIPATED CONDITIONS AT THE SITE AFFECTING THE WORK. BIDDERS PROPOSAL SHALL ACCOUNT FOR ALL REASONABLY INFERRABLE CONDITIONS.

DRAWINGS HEREON ARE EXACT REPRODUCTIONS OF "AS-BUILT" RECORD  
DRAWINGS PROVIDED TO JOSE I. GUERRA, INC. BY OWNER AND ARE  
PROVIDED FOR INFORMATION ONLY.  
FOR ANY DEVICE/FIXTURE REMOVED RE-CIRCUIT AS REQUIRED FOR  
CONTINUED OPERATION OF EXISTING TO REMAIN DEVICES.

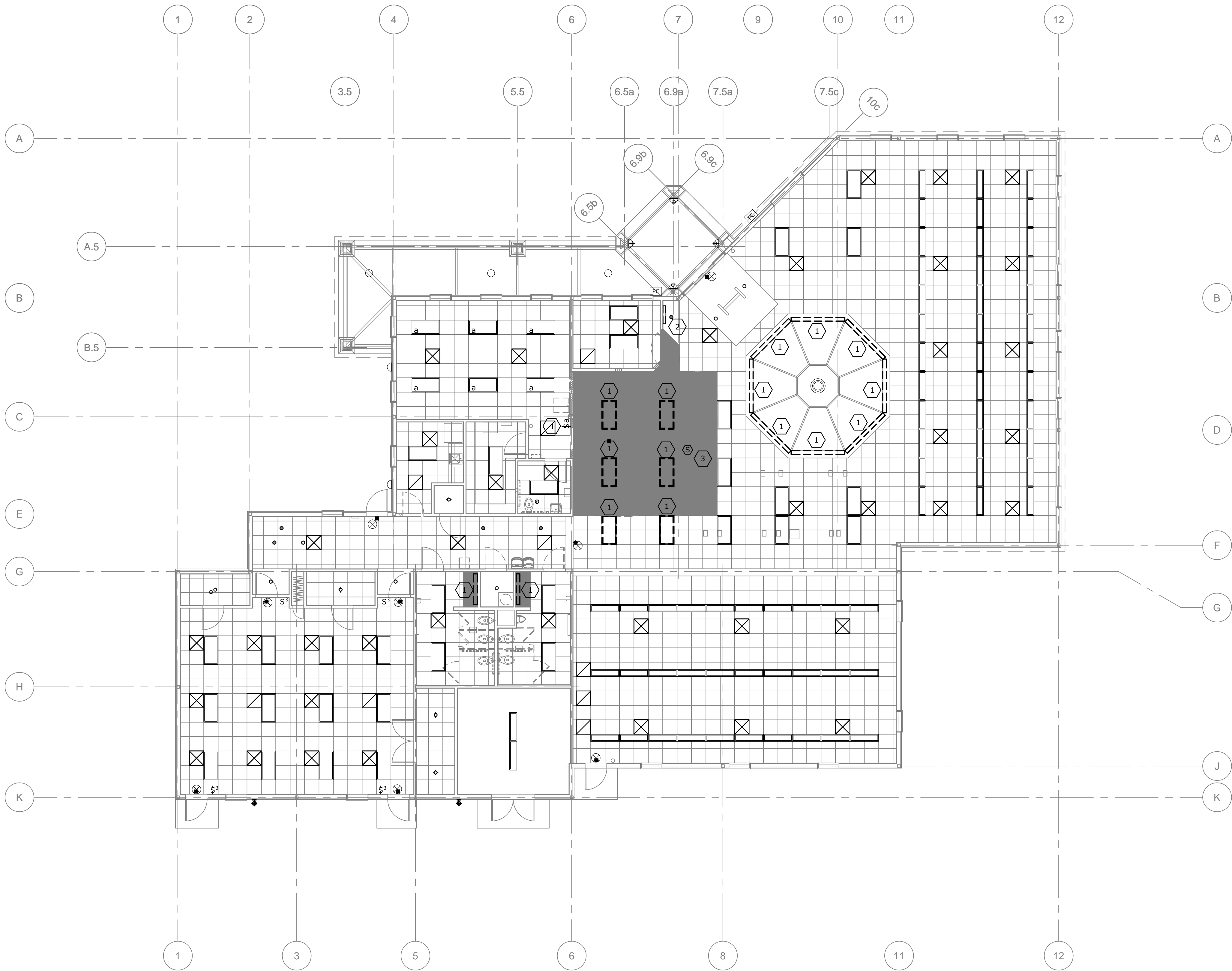
- 1 REMOVE EXISTING POWER OUTLET, DATA OUTLET, INCLUDING WIRING, CONDUIT, OTHER RELATED HARDWARE BACK TO POINT WHICH IS PROTECTED FROM DAMAGE WHILE NEW WORK IS PUT IN PLACE OR REMOVED. PROVIDE WORK TO PREPARE FOR INSTALLATION OF NEW OUTLET TO BE CONSTRUCTED
- 2 REMOVE POWER CIRCUITS IN EXISTING UNDER FLOOR CONDUIT BACK TO PANEL AS REQUIRED TO PREPARE FOR AND PROVIDE NEW CIRCUITS TO NEW EQUIPMENT AND EXISTING EQUIPMENT TO REMAIN.
- 3 REMOVE EXISTING SURFACE MOUNTED WIRING AND PREPARE WALL FOR ACCEPTING A NEW CIRCUITS TO THE EQUIPMENT TO REMAIN.
- 4 RELOCATE EXISTING PANIC BUTTON TO NEW CIRCULATION DESK. EXTEND CONDUIT AND CONDUCTORS AND TERMINATE AS REQUIRED.
- 5 EXISTING FACP AND ALL ASSOCIATED CONDUCTORS AND DEVICES SHALL REMAIN UNLESS NOTED OTHERWISE.



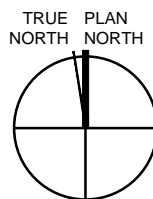
1 ELECTRICAL POWER DEMOLITION PLAN  
SCALE: 1/8" = 1'-0"



CADFILE: F:\17029\_COA Cepeda Library\DRAWINGS\CAD\17029\_ED-2.0 - Electrical Lighting Demolition Plan.dwg Plotted: Mon., Aug. 31, 2020 @ 6:37 PM By: Ishirad Scale: 1/96



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



### GENERAL NOTES:

DRAWING IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF CONDUIT, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES. COORDINATE WITH CONSULTANT AND OWNER OWNER PRIOR TO START OF CONSTRUCTION.

ALL MATERIAL AND EQUIPMENT REMOVED AND NOT SCHEDULED FOR REUSE SHALL BE PRESENTED TO THE OWNER'S REPRESENTATIVE FOR DISPOSITION. ITEMS DEEMED UNSALVAGEABLE BY OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE TRANSPORTED TO A LOCATION OFF THE PROJECT SITE AND LEGALLY DISPOSED OF.

PRIOR TO BIDDING THE WORK, BIDDERS SHALL TAKE RELEVANT FIELD MEASUREMENTS AND PERFORM RELEVANT FIELD INVESTIGATION, AND EXAMINE AND COMPARE THE CONTRACT DOCUMENTS AND INFORMATION FURNISHED BY OWNER TO DISCERN ANY VISIBLE OR REASONABLY ANTICIPATED CONDITIONS AT THE SITE AFFECTING THE WORK. BIDDERS PROPOSAL SHALL ACCOUNT FOR ALL REASONABLY INFERABLE CONDITIONS.

DRAWINGS HEREON ARE EXACT REPRODUCTIONS OF "AS-BUILT" RECORD DRAWINGS PROVIDED TO JOSE I. GUERRA, INC. BY OWNER AND ARE PROVIDED FOR INFORMATION ONLY.

FOR ANY DEVICE/FIXTURE REMOVED RE-CIRCUIT AS REQUIRED FOR CONTINUED OPERATION OF EXISTING TO REMAIN DEVICES.

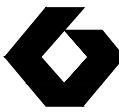
ASBESTOS CONTAINING MATERIALS MAY PRESENT IN SOME LOCATIONS ON THE JOBSITE. CONTRACTOR SHALL NOTIFY AND REVIEW WITH OWNER AND QUALIFIED ASBESTOS ABATEMENT SUB PRIOR TO DISTURBING ANY RELATED ELEMENTS AND SHALL FOLLOW PROPER COORDINATION AND PROCEDURES BEFORE PRECEDING.

### DEMOLITION KEYED NOTES:

- 1 REMOVE EXISTING FIXTURE, SWITCHES, WIRING, CONDUIT, AND OTHER RELATED HARDWARE BACK TO POINT WHICH IS PROTECTED FROM DAMAGE WHILE NEW WORK IS PUT IN PLACE. PROVIDE WORK TO PREPARE FOR INSTALLATION OF NEW FIXTURE, SWITCHES, NEW SWITCH LEGS AS REQUIRED.
- 2 REMOVE EXISTING LIGHTING CONTROL PANEL, SWITCHES, WIRING, CONDUIT, OTHER RELATED HARDWARE BACK TO PROVIDE WORK TO PREPARE FOR INSTALLATION OF NEW LIGHTING CONTROL PANEL, NEW HOME RUN LIGHTING POWER WORK AS REQUIRED, NEW BRANCH SWITCHED CIRCUIT LEGS, INCLUDING ALL ASSOCIATED WORK, AS REQUIRED. EXTEND EACH EXISTING TO REMAIN SWITCH LEG TO THE NEW LIGHTING CONTROL PANEL. FIELD VERIFY ALL REQUIREMENTS PRIOR TO BID.
- 3 RELOCATE EXISTING SMOKE DETECTOR TO CEILING. EXTEND CONDUIT AND CONDUCTORS AND TERMINATE AS REQUIRED.
- 4 RELOCATE EXISTING LIGHT SWITCH. EXTEND CONDUIT AND CONDUCTORS AND TERMINATE AS REQUIRED. REFER TO e-2.0 FOR NEW LOCATION.

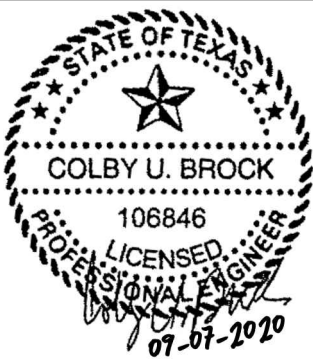
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CITY OF AUSTIN  
**CEPEDA LIBRARY RENOVATIONS**  
651 NORTH PLEASANT VALLEY ROAD  
AUSTIN, TEXAS 78702



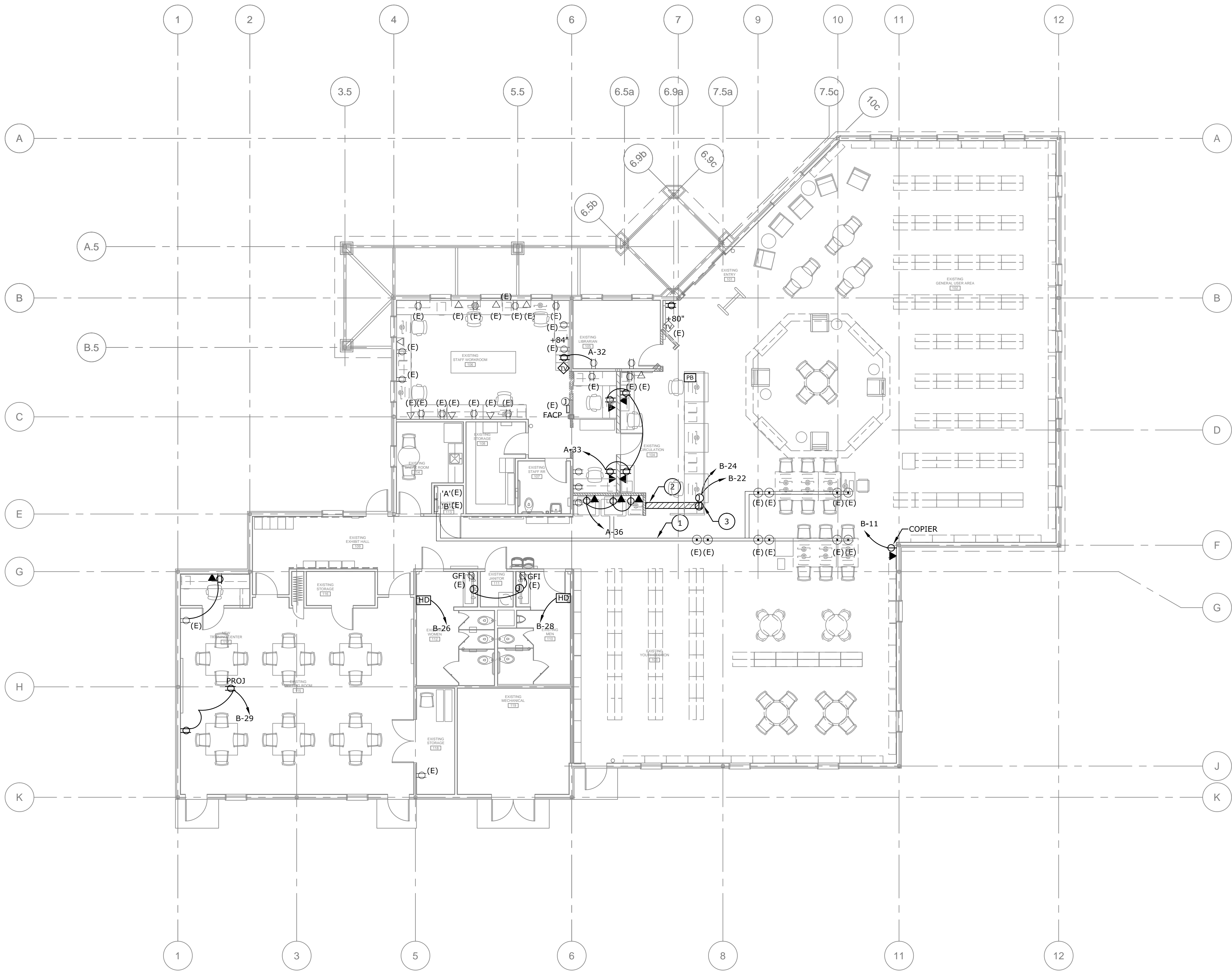
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**ELECTRICAL LIGHTING DEMOLITION PLAN**  
**ED-2.0**

CADFILE: F:\17029\_COA Cepeda Library\DRAWINGS\CAD\17029\_E-1.0 - Electrical Power Plan.dwg Plotted: Mon., Aug. 31, 2020 @ 5:40 PM By: kshirazi Scale: 1/96



## GENERAL NOTES:

DRAWING IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF CONDUIT, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES. COORDINATE WITH CONSULTANT AND OWNER OWNER PRIOR TO START OF CONSTRUCTION.

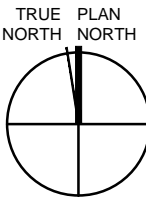
SHARED NEUTRALS ARE NOT PERMISSIBLE.

## KEYED NOTES:

EXISTING UNDERFLOOR DUCT FOR POWER AND DATA TO BE REUSED AS REQUIRED TO FURNISH POWER TO EXISTING AND NEW EQUIPMENT.

SAW CUT AND PATCH EXISTING FLOOR.

ROUTE (2) 1-1/4\"/>



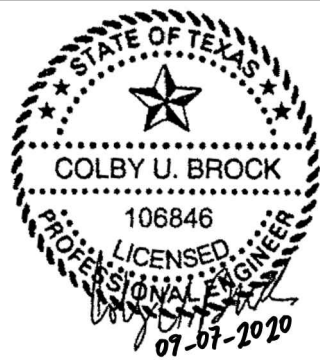
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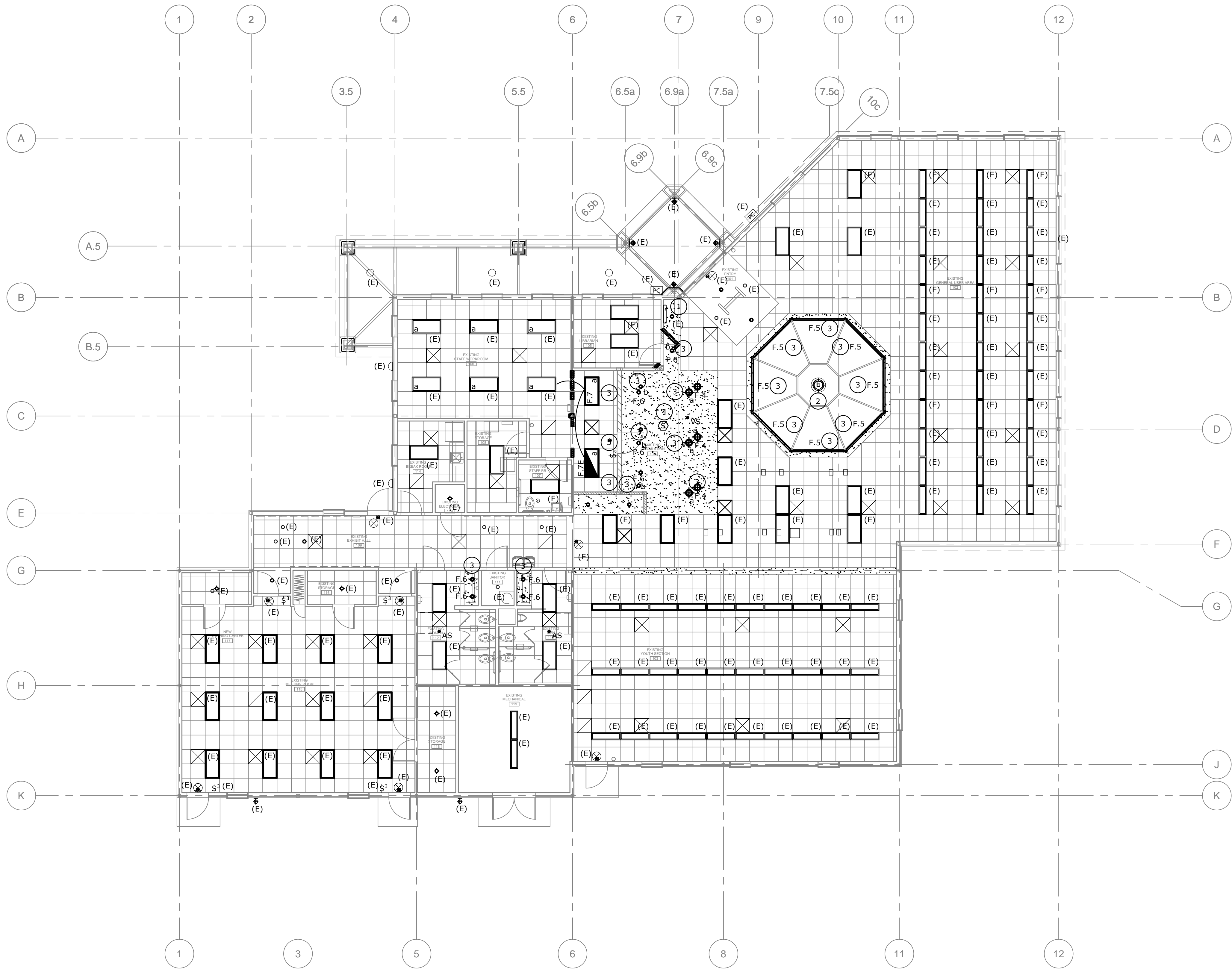
ELECTRICAL  
POWER PLAN

E-1.0

SHEET NO. 32 OF 36



CADFILE: F:\17029\_COA Cepeda Library\DRAWINGS\CAD\17029\_E-2.0 - Electrical Lighting Plan.dwg Plotted: Mon., Aug. 31, 2020 @ 5:47 PM By: kshirazi Scale: 1:96



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

## GENERAL NOTES:

DRAWING IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF CONDUIT, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES. COORDINATE WITH CONSULTANT AND OWNER OWNER PRIOR TO START OF CONSTRUCTION.

ALL MATERIAL AND EQUIPMENT REMOVED AND NOT SCHEDULED FOR REUSE SHALL BE PRESENTED TO THE OWNER'S REPRESENTATIVE FOR DISPOSITION. ITEMS DEEMED UNSALVAGEABLE BY OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE TRANSPORTED TO A LOCATION OFF THE PROJECT SITE AND LEGALLY DISPOSED OF.

PRIOR TO BIDDING THE WORK, BIDDERS SHALL TAKE RELEVANT FIELD MEASUREMENTS AND PERFORM RELEVANT FIELD INVESTIGATION, AND EXAMINE AND COMPARE THE CONTRACT DOCUMENTS AND INFORMATION FURNISHED BY OWNER TO DISCERN ANY VISIBLE OR REASONABLY ANTICIPATED CONDITIONS AT THE SITE AFFECTING THE WORK. BIDDERS PROPOSAL SHALL ACCOUNT FOR ALL REASONABLY INFERABLE CONDITIONS.

SHARED NEUTRALS ARE NOT PERMISSIBLE.

FOR ANY DEVICE/FIXTURE, RE-CIRCUIT AS REQUIRED FOR CONTINUED OPERATION OF EXISTING TO REMAIN DEVICES.

CITY OF AUSTIN HAS EITHER ABATED KNOWN ASBESTOS OR NOT FOUND ANY ASBESTOS ON SITE TO DATE: SEE OWNER'S REPORT. IF UNANTICIPATED ASBESTOS IS DISCOVERED, GENERAL CONTRACTOR SHOULD NOTIFY AND REVIEW WITH OWNER AND ARCHITECT IMMEDIATELY AND CEASE WORK UNTIL GIVEN FURTHER DIRECTION BY OWNER AND ARCHITECT. DO NOT DISTURB ASBESTOS OR ANY RELATED AREAS.

CONTRACTOR SHALL INCREASE CIRCUIT CONDUCTOR AND CONDUIT SIZE AS REQUIRED TO LIMIT VOLTAGE DROP TO 2% MAXIMUM AT DESIGN LOAD FOR FEEDERS AND 3% MAXIMUM AT DESIGN LOAD FOR BRANCH CIRCUITS.

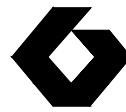
REFER TO ARCHITECTURAL DRAWINGS FOR NEW LIGHT FIXTURE LOCATIONS. VERIFY LOCATIONS WITH CONSULTANTS AND OWNER IN FIELD PRIOR TO START.

## KEYED NOTES:

- 1 NEW LIGHTING CONTROL PANEL, SWITCHES, WIRING, CONDUIT, OTHER RELATED HARDWARE TO PROVIDE CONNECTION AND PROPER CONTROL TO NEW AND EXISTING LIGHTING FIXTURES. EXTEND EACH EXISTING TO REMAIN SWITCH LEG TO THE NEW CONTROL PANEL. FIELD VERIFY ALL REQUIREMENTS PRIOR TO BID.
- 2 PROVIDE NEW LED LAMP FOR EXISTING FIXTURE MATCH LUMEN OUTPUT OF EXISTING FIXTURE.
- 3 TERMINATE NEW LIGHT FIXTURE TO THE EXISTING LIGHTING BRANCH CIRCUIT SERVING AREA. INSTALL NEW SWITCH LEGS AS INDICATED.
- 4 NEW LOCATION FOR EXISTING SMOKE DETECTOR. EXTEND CONDUIT AND CONDUCTORS AND TERMINATE AS REQUIRED.
- 5 NEW LOCATION FOR EXISTING LIGHT SWITCH. EXTEND CONDUIT AND CONDUCTORS AND TERMINATE AS REQUIRED.

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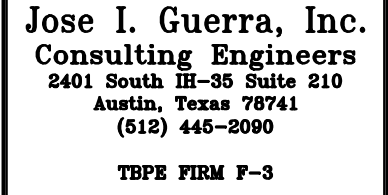
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ELECTRICAL  
LIGHTING PLAN  
E-2.0

SHEET NO. 33 OF 36





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E-3.0

SHEET NO. 34 OF 36

BUS AMPS:	125	BUS:	COPPER	NOTES:
VOLTAGE:	208/120	NEUTRAL:	STANDARD	
PHASE:	3	GROUND:	STANDARD	
WIRE:	4	MOUNTING:	SURFACE	
MAIN:	MCB	ENCLOSURE:	NEMA 1	
KALC RATING	-	ENTRY:	TOP/BOTTOM	
Phase "A" total connected load 0.0 Phase "B" total connected load 0.7 Phase "C" total connected load 0.0 <b>TOTAL PANEL CONNECTED LOAD 0.7 TOTAL PANEL CONNECTED AMPS 2</b>				

<b>BUS AMPS:</b>	150	<b>BUS:</b>	COPPER	<b>NOTES:</b>	
<b>VOLTAGE:</b>	208/120	<b>NEUTRAL:</b>	STANDARD		
<b>PHASE:</b>	3	<b>GROUND:</b>	STANDARD		
<b>WIRE:</b>	4	<b>MOUNTING:</b>	SURFACE		
<b>MAIN:</b>	MCB	<b>ENCLOSURE:</b>	NEMA 1		
<b>KALC RATING</b>	-	<b>ENTRY:</b>	TOR/BOTTOM		
Phase "A" total connected load	1.5				
Phase "B" total connected load	1.9				
Phase "C" total connected load	1.9				
<b>TOTAL PANEL CONNECTED LOAD</b>	<b>5.3</b>	<b>TOTAL PANEL CONNECTED AMPS</b>	<b>15</b>		

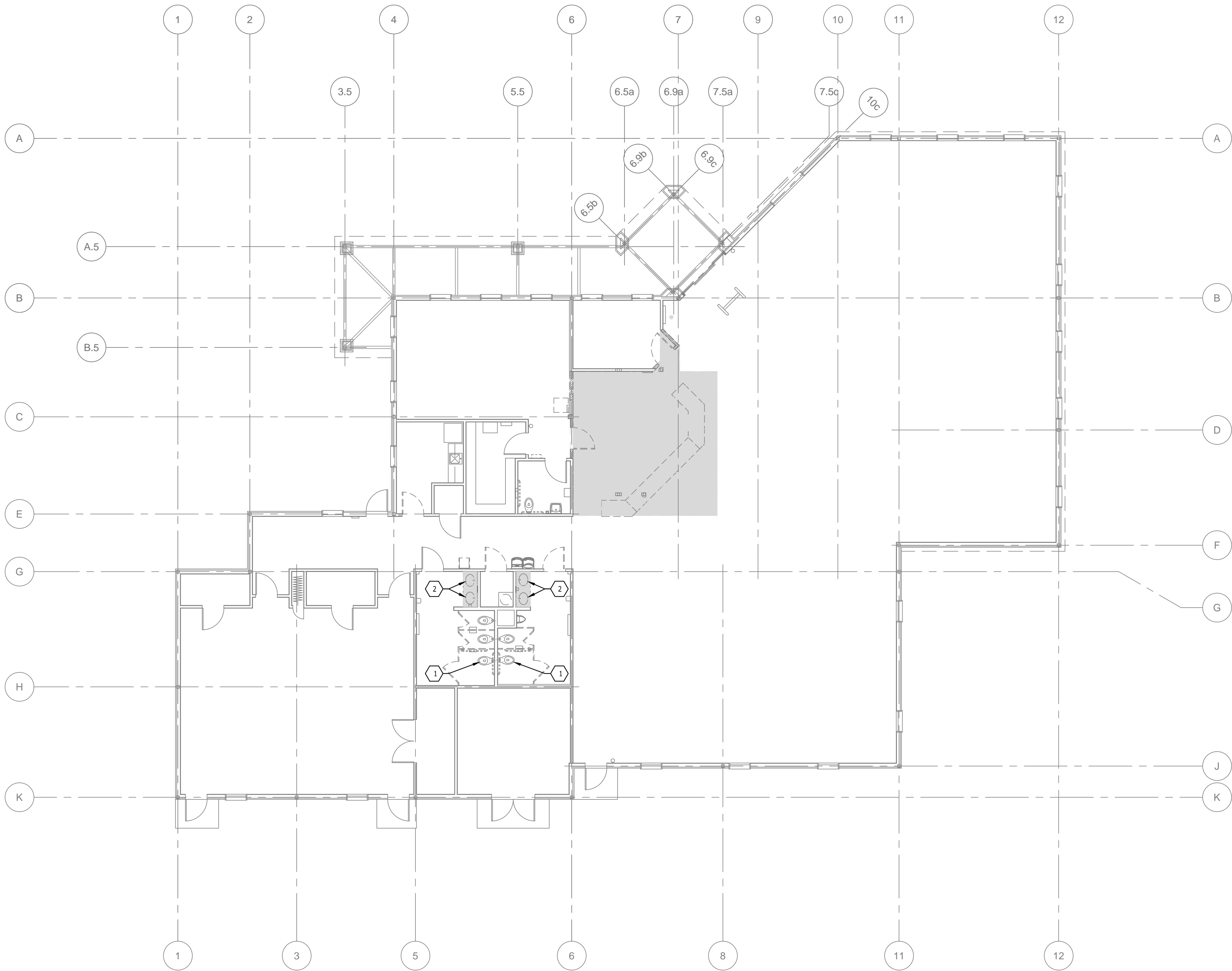
Diagram illustrating the installation of a single gang mud ring device cover. The components and labels are:

- INSULATED BUSHING
- 3"
- FINISHED CEILING
- 1-1/4" CONDUIT WITH NYLON PULL STRING (CABLING BY OTHERS)
- COVERPLATE WITH DATA OR PHONE JACK KNOCKOUTS (COORDINATE REQ' MTS. WITH OWNER)
- DOUBLE GANG METALLIC DEVICE BOX (RECESSED)
- PROVIDE SINGLE GANG MUD RING/DEVICE COVER

1



CADFILE: F:\17029\_COA Cepeda Library\DRAWINGS\CAD\17029\_PD-1.0 - Plumbing Demolition Plan.dwg Plotted: Mon., Aug. 31, 2020 @ 6:43 PM By: kshirazi Scale: 1/36



**1 PLUMBING DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"

**DEMOLITION GENERAL NOTES:**

1. SIZES AND LOCATIONS OF EXISTING PLUMBING COMPONENTS INDICATED ON CONSTRUCTION OR RECORD DRAWINGS SHALL BE FIELD-VERIFIED FOR COMPATIBILITY WITH THE NEW CONSTRUCTION PLAN. NOTIFY A/E OF DISCREPANCIES PRIOR TO DEMOLITION AND CONSTRUCTION.
2. MATERIAL AND EQUIPMENT REMOVED AND NOT SCHEDULED FOR REUSE SHALL BE PRESENTED TO THE OWNER'S REPRESENTATIVE FOR DISPOSITION. ITEMS DEEMED UNSALVAGEABLE BY OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE TRANSPORTED BY HIM TO A LOCATION OFF THE PROJECT SITE.
3. CONTRACTOR SHALL VERIFY PLUMBING SYSTEMS DESIGNATED FOR REMOVAL ARE NOT REQUIRED IN SUPPORT OF ANY SPACE OUTSIDE THE AREA OF WORK. NOTIFY A/E OF DISCREPANCIES PRIOR TO DEMOLITION AND CONSTRUCTION.
4. CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH FUNCTIONING SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.

**DEMOLITION KEYED NOTES:**

- 1 EXISTING WATER CLOSET AND FLUSH VALVE TO BE REMOVED AND STORED FOR REINSTALLATION AT NEW SHIFTED LOCATION.
- 2 EXISTING LAVATORIES TO BE REMOVED. PREP ROUGH-IN FOR NEW FITOUT CONNECTIONS.

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STATE OF TEXAS  
BRANDON N. REYES  
106528  
LICENSED PROFESSIONAL ENGINEER  
07/07/2020

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ISSUE DATE	09-07-2020

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PLUMBING  
DEMOLITION PLAN  
**PD-1.0**  
SHEET NO. 35 OF 36



CADFILE: F:\17029\_COA Cepeda Library\DRAWINGS\CAD\17029\_P-1.0 - Plumbing Floor Plan.dwg Plotted: Mon., Aug. 31, 2020 @ 6:18 PM By: kshirazi Scale: 1/96

PLUMBING FIXTURE SCHEDULE							
SYMBOL	DESCRIPTION	MANUFACTURER / MODEL NUMBER	WASTE	VENT	CW	HW	REMARKS
L-1 (ADA)	LAVATORY: TROUGH TYPE  LINEAR DRAIN: POLISHED STAINLESS STEEL GRATE & CHANNEL, 48" L FAUCET: INFRARED SENSOR CONTROL, 0.5 GPM, 1-HOLE STRAINER: GRID-TYPE, OFFSET TRAP SUPPLIES: BRASS STOPS & COPPER RISERS, CHROME PLATED COVERS	(BASIN BY ARCHITECT)  INFINITY DRAIN: FFAS 6548 CHICAGO: 116.978.AB.1 McGUIRE: 155WC McGUIRE: 8902 McGUIRE: LF2165CCLK TRUEBRO: LAV GUARD2	2"	1-1/2"	3/4"	3/4"	SET HW TEMP TO 110°F.  COORDINATE WITH ARCHITECTURAL BASIN AS REQUIRED. HARD-WRIED. LOCATE ASSE 1070 MIXING VALVE BENEATH LAV. - 1-1/4" INLET X 1-1/2" OUTLET LOOSE KEY, 3/8" RISERS

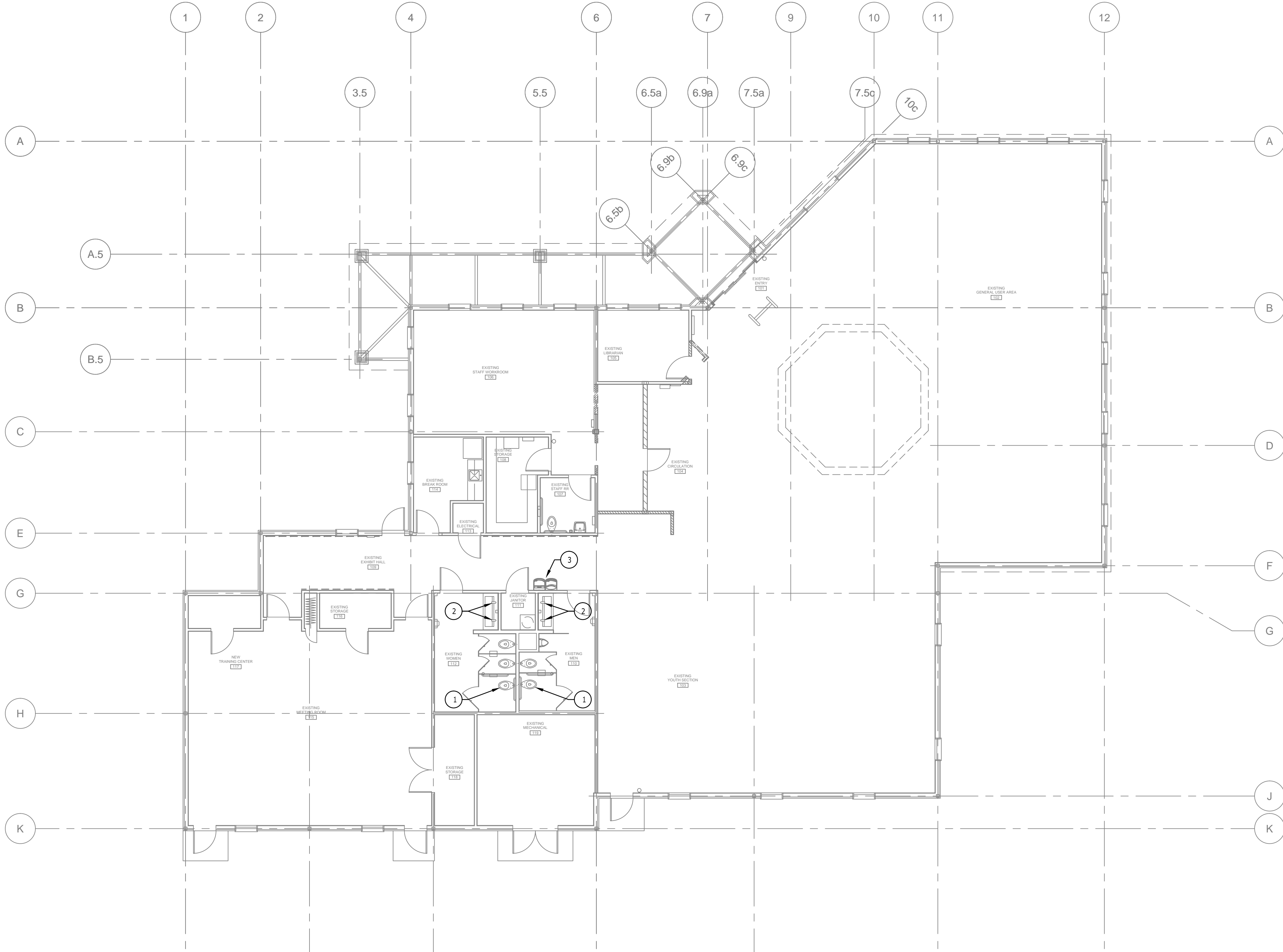
- NOTES:
- 1) REFER TO THE ARCHITECTURAL DRAWINGS FOR EQUIPMENT AND ACCESSORY LOCATIONS. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS.
  - 2) REFER TO THE ARCHITECTURAL DRAWINGS FOR SPECIFIC MOUNTING HEIGHTS FOR ALL FIXTURES.
  - 3) INCLUDE HARDWIRE POWER CONVERTER FOR EACH GROUP OF FIXTURES WITH HARD-WIRED ELECTRONIC FLUSH VALVES.

GENERAL NOTES:

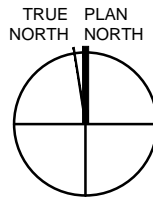
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2. SIZES AND LOCATIONS OF EXISTING PLUMBING COMPONENTS INDICATED ON CONSTRUCTION OR RECORD DRAWINGS SHALL BE FIELD-VERIFIED FOR COMPATIBILITY WITH THE NEW CONSTRUCTION PLAN. NOTIFY A/E OF DISCREPANCIES PRIOR TO DEMOLITION AND CONSTRUCTION.

KEYED NOTES:

1. CONNECT EXISTING WATER CLOSET AND FLUSH VALVE TO EXISTING PLUMBING ROUGH-IN. TO ACCOMMODATE NEW, SHIFTED, T&S-COMPLIANT LOCATION, PROVIDE AN OFFSET CLOSET FLANGE BY OATEY (OR APPROVED EQUAL), AND MODIFY HORIZONTAL PORTION OF FLUSH-VALVE TAILPIECE AS REQUIRED. REFER TO ARCH FOR NEW FIXTURE LOCATIONS.
2. CONNECT NEW LAVATORY TO EXISTING PLUMBING ROUGH-IN. EACH RESTROOM TO RECEIVE TWO FAUCETS AND SINGLE TROUGH WITH LINEAR DRAIN. REFER TO PLUMBING FIXTURE SCHEDULE FOR FURTHER DETAILS.
3. PROVIDE ELKAY MODEL LKAPREZL CANE APRON ON EXISTING HIGH-FOUNTAIN OF WATER COOLER.

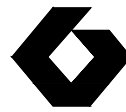


1 PLUMBING FLOOR PLAN  
SCALE: 1/8" = 1'-0"



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PLUMBING  
FLOOR PLAN  
P-1.0