WEATHERFORD OLD CITY HALL RENOVATION PROJECT

119 Palo Pinto Street
Weatherford, TX 76086

CONSTRUCTION DOCUMENTS

01/05/18

ARCHITECTURAL

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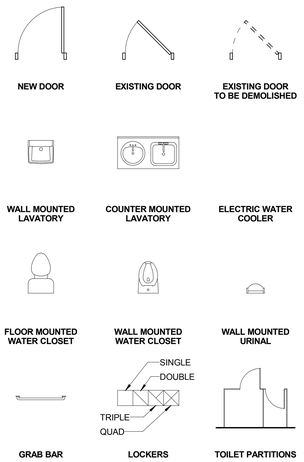
Dewberry®

AB	- ANCHOR BOLT	FURG C	- FURRING CHANNEL	RCP	- REFLECTED CEILING PLAN
ACST	- ACOUSTIC(AL)	FURN	- FURNACE	RD	- ROOF DRAIN, ROAD
ADDL	- ADDITIONAL	FWC	- FABRIC WALLCOVERING	REF	- REFERENCE, REFRIGERATOR
ADDN	- ADDITION			REINF	- REINFORCE
ADH	- ADHESIVE	GA	- GAGE, GAUGE	REQD	- REQUIRED
ADJ	- ADJACENT, ADJOINING, ADJUSTABLE	GALV	- GALVANIZED	RF	- RESILIENT FLOORING
		GB	- GRAB BAR	RFG	- ROOFING
AED	- AUTOMATED EXTERNAL DEFIBRILLATOR	GFRC	- GLASS-FIBER REINFORCED CONCRETE	RFM	- REMOVABLE FLOOR MAT
				RH	- RIGHT HAND
AFF	- ABOVE FINISH FLOOR	GL	- GLASS	RO	- ROUGH OPENING
ALT	- ALTERNATE	GL BLK	- GLASS BLOCK	RSF	- RESINOUS FLOORING
ALUM	- ALUMINUM	GLZ CMU	- GLAZED CONCRETE MASONRY UNIT	RST	- REINFORCING STEEL
ANCH	- ANCHOR	GRFG	- GLASS-FIBER REINFORCED GYPSUM	RTF	- RESILIENT TILE FLOORING
ANOD	- ANODIZE(D)	GT	- GROUT	RV	- ROOF VENT, ROOF VENTILATOR
AP	- ACCESS PANEL	GWH	- GAS-FIRED WATER HEATER		
APC	- ACOUSTICAL PANEL CEILING	GYP BD	- GYPSUM WALL BOARD	SC	- SEALED CONCRETE
APPROX	- APPROXIMATE			SCHED	- SCHEDULE
ASPH	- ASPHALT	H	- HIGH, HATCH (ROOF)	SCR	- SHOWER CURTAIN ROD
AUTO	- AUTOMATIC	HB	- HOSE BIB	SCWD	- SOLID CORE WOOD DOOR
AVE	- AVERAGE	HDNR	- HARDENER	SD	- SOAD DISPENSER
AWT	- ACOUSTICAL WALL TREATMENT	HDW	- HARDWARE	SECT	- SECTION
		HDWD	- HARDWOOD	SF	- STOREFRONT
BAL SHT	- BALANCE SHEET	HM	- HOLLOW METAL	SH	- SHINGLES, SINGLE HUNG (WINDOW)
BC	- BRICK COLOR	HORIZ	- HORIZONTAL	SHT	- SHEET
BCS	- BABY CHANGING STATION	HR	- HANDRAIL	SHTHG	- SHEATHING
BD	- BOARD	HT	- HEIGHT	SHV	- SHELVING
BG	- BUMPER GUARD	HTG	- HEATING	SLNT	- SEALANT
BITUM	- BITUMINOUS	HVAC	- HEATING, VENTILATING, AND AIR CONDITIONING	SND	- SANITARY NAPKIN DISPENSER
BLDG	- BUILDING			SNDU	- SANITARY NAPKIN DISPOSAL UNIT
BLKG	- BLOCKING (WOOD)			SOG	- SLAB ON GRADE
BOT	- BOTTOM	ID	- INSIDE DIAMETER, INSIDE DIMENSION	SPCG	- SPACING
BRDG	- BRIDGING	IF	- INSIDE FACE	SPEC	- SPECIFICATION
BRG	- BEARING	INCL	- INCLUDED	SPKR	- SPEAKER
BRK PV	- BRICK PAVERS	INSUL	- INSULATION	SQ	- SQUARE
BRKT	- BRACKET	INT	- INTERIOR	SS	- SERVICE SINK , SOLID SURFACING
BSMT	- BASEMENT	INV	- INVERT	SST	- STAINLESS STEEL, SHOWER SEAT
BTWN	- BETWEEN			STD	- STANDARD
BUR	- BUILT UP ROOFING	JT	- JOINT	STL	- STEEL
				STL JST	- STEEL JOIST
CAB	- CABINET	KD	- KNOCKED DOWN	STL LINTL	- STEEL LINTEL
CB	- CHALKBOARD	KOP	- KNOCK OUT PANEL	STL PL	- STEEL PLATE
CC	- CUBICLE CURTAIN			STL RF DK	- STEEL ROOF DECK
CCT	- CUBICLE CURTAIN TRACK	L	- LONG, ANGLE	STL TR	- STEEL TRUSS
CFMF	- COLD-FORMED METAL FRAMING	LAM	- LAMINATE(D)	STN	- STAIN
CG	- CORNER GUARD	LAV	- LAVATORY	STRUCT	- STRUCTURAL
CH	- COAT HOOK	LH	- LEFT HAND	SUSP	- SUSPEND
CIP CONC	- CAST-IN-PLACE CONCRETE	LINO	- LINOLEUM	SV	- SHEET VINYL
CJ	- CONTROL JOING, CONSTRUCTION JOINT	LKR	- LOCKER	SWP	- SHEET WALL PROTECTION
		LL	- LIVE LOAD, LOW LEVEL	SYMM	- SYMMETRICAL
CLG	- CEILING	LLH	- LONG LEG HORIZONTAL	SYNTH	- SYNTHETIC
CLR	- CLEAR	LLV	- LONG LEG VERTICAL		
CMU	- CONCRETE MASONRY UNIT	LT	- LIGHT	T	- TILE, TREAD
CNTR	- COUNTER	LVL	- LEVEL	T&G	- TONGUE AND GROOVE
CO	- CLEAN OUT, CASED OPENING	LVR	- LOUVER	T/S	- TUB/SHOWER
COL	- COLUMN			TB	- TOWEL BAR, TACKBOARD
COMB	- COMBINATION, COMBINED	MAS	- MASONRY	TC	- TOILET COMPARTMENT
COMP	- COMPRESSIBLE	MATL	- MATERIAL	TD	- TRENCH DRAIN
COMPT	- COMPARTMENT	MAX	- MAXIMUM	TER	- TERRAZZO
CONC	- CONCRETE	MB	- MARKERBOARD	THK	- THICK
CONC CTG	- CONCRETE COATING	MBH	- MOB/BROOM HOLDER	TOB	- TOP OF BEAM
COND	- CONDITION	MECH	- MECHANICAL	TOC	- TOP OF CONCRETE, TOP OF CURB
CONT	- CONTINUOUS	MED	- MEDIUM	TOF	- TOP OF FOOTING
CONTR	- CONTRACTOR	MEZZ	- MEZZANINE	TOM	- TOP OF MASONRY
CORR	- CORRIDOR	MFR	- MANUFACTURER	TOS	- TOP OF SLAB, TOP OF STEEL
CPRS	- COMPRESSIBLE	MH	- MANHOLE	TOW	- TOP OF WALL
CPT	- CARPET	MI	- MIRROR	TPH	- TOILET PAPER HOLDER
CR	- CLOSET ROD	MIN	- MINIMUM, MINUTE	TR	- TOWEL RACK
CRL	- CRASH RAIL	MISC	- MISCELLANEOUS	TS	- TUBE STEEL, TRANSITION STRIP
CRS	- COLD-ROLLED STEEL	MO	- MASONRY OPENING		
CTR	- CENTER(S)	MOD	- MODEL, MODULE, MODULAR	UNO	- UNLESS NOTED OTHERWISE
CUH	- CABINET UNIT HEATER	MSB	- MOP SERVICE BASIN		
CUV	- CABINET UNIT VENTILATOR	MT	- MOUNT	VCT	- VINYL COMPOSITION TILE
CW	- CURTAINWALL	MTL	- METAL	VERT	- VERTICAL
				VIF	- VERIFY IN FIELD
D	- DEEP, DEPTH, PENNY NAIL	NDU	- NEEDLE DISPOSAL UNIT	VWC	- VINYL WALL COVERING
DC	- DISPLAY CASE	NIC	- NOT IN CONTRACT, NOISE ISOLATION CLASS	W	- WIDE, WEST
DET	- DETAIL			WC	- WALL COVERING
DETN	- DETENTION	NO	- NUMBER	WD	- WOOD, WOOD DOOR
DF	- DRINKING FOUNTAIN	NOM	- NOMINAL	WDW	- WINDOW
DIA	- DIAMETER	NTS	- NOT TO SCALE	WP	- WALL PATTERN, WATERPROOFING
DIM	- DIMENSION			WT	- WEIGHT, WINDOW TREATMENT
DN	- DOWN	OA	- OVERALL	WWF	- WELDED WIRE FABRIC
DP	- DECORATIVE PANEL	OC	- ON CENTER		
DR	- DOOR	OD	- OUTSIDE DIAMETER, OUTSIDE DIMENSION		
DS	- DOWNSPOUT				
DWG	- DRAWING(S)	OF	- OUTSIDE FACE		
		OFD	- OVERFLOW DRAIN		
EHD	- ELECTRIC HAND DRYER	OH	- OVERHEAD		
EJ	- EXPANSION JOINT	OH DR	- OVERHEAD DOOR		
EL	- ELEVATION	OP	- OPERABLE PARTITION		
ELEC	- ELECTRIC, ELECTRICAL	OPH	- OPPOSITE HAND		
ELEV	- ELEVATOR	OPNG	- OPENING		
EMBED	- EMBEDMENT	OPP	- OPPOSITE		
EMER	- EMERGENCY	OS	- OVERFLOW SCUPPER		
EPDM	- ETHYLENE PROPYLENE DIENE MONOMER	PC	- PORTLAND CEMENT, POINT OF CURVE, POLYCARBONATE		
EQ	- EQUAL				
EQUIP	- EQUIPMENT	PCC	- PRECAST CONCRETE		
ES	- EXPOSED STRUCTURE	PERIM	- PERIMETER		
EW	- EACH WAY	PJ	- PROJECTOR		
EWC	- ELECTRIC WATER COOLER	PL	- PLATE, PLASTIC LAMINATE		
EWH	- ELECTRIC WATER HEATER	PLAS	- PLASTER		
EXIST	- EXISTING	PLBG	- PLUMBING		
EXP	- EXPANSION	PLYWD	- PLYWOOD		
EXT	- EXTERIOR	PS	- PROJECTION SCREEN		
		PSF	- POUNDS PER SQUARE FOOT		
FAB	- FABRIC	PT	- PAINT		
FD	- FLOOR DRAIN	PTD	- PAPER TOWEL DISPENSER		
FDTN	- FOUNDATION	PTDR	- PAPER TOWEL DISPENSER & RECEPTACLE		
FE	- FIRE EXTINGUISHER				
FEC	- FIRE EXTINGUISHER CABINET	PTN	- PARTITION		
FF	- FINISH FLOOR	PTR	- PAPER TOWEL RECEPTACLE		
FHC	- FIRE HOSE CABINET	PVC	- POLYVINYL CHLORIDE		
FIN	- FINISH	PVG	- PAVING		
FLASH	- FLASHING				
FLP	- FLOOR PATTERN	R	- RISER, RADIUS, THERMAL RESISTANCE (R-VALUE)		
FLR	- FLOOR				
FRP	- FIBER REINFORCED PLASTIC	RB	- RESILIENT BASE		
FTG	- FOOTING				



GENERAL DEMOLITION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS, MATERIALS, CONSTRUCTION METHODS, AND DIMENSIONS PRIOR TO COMMENCING WORK. DISCREPANCIES, CONFLICTS, AND OTHER ISSUES ARE TO BE PROMPTLY REPORTED TO THE ARCHITECT IN WRITING.
2. REVIEW AND COORDINATE DEMOLITION TO WORK WITH NEW CONSTRUCTION.
3. REVIEW AND COORDINATE REMOVAL, CUTTING, ABANDONMENT, AND CAPPING OF EXISTING UTILITES WITH MECHANICAL, ELECTRICAL, TECHNOLOGY, PLUMBING AND FIRE PROTECTION DRAWINGS AND THEIR ASSOCIATED SPECIFICATIONS.
4. ITEMS INDICATED TO BE DEMOLISHED SHALL BE REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLAIONS OF NEW WORK. THIS SHALL INCLUDE THE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY.
5. PROTECT STRUCTURAL MEMBERS, FLOORS, WALL, ROOFS, DOOR AND WINDOW SYSTEMS TO REMAIN, FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. REPAIR OR REPLACE DAMAGED ITEMS AT NO ADDITIONAL COST TO OWNER.
6. PATCH WALLS, FLOORS, AND ROOFS TO MATCH EXISTING CONSTRUCTION AS REQUIRED BY DEMOLITION AND NEW CONSTRUCTION.
7. EXISTING CONCRETE FLOORS AND SUBFLOORS ARE TO BE STRIPPED OR RESIDUE, ADHESIVES, SEALERS AND PREPARED FOR NEW FINISHES.
8. EXISTING FURNITURE AND SHELVING SHALL BE REMOVED BY OWNER PRIOR TO THE START OF CONSTRUCTION.
9. REVIEW AND COORDINATE REMOVAL AND PATCHING OF EXISTING CONCRETE SLAB WITH WORK SHOWN ON PLUMBING, ELECTRICAL, AND SYSTEMS DRAWINGS AND THEIR ASSOCIATED SPECIFICATIONS.

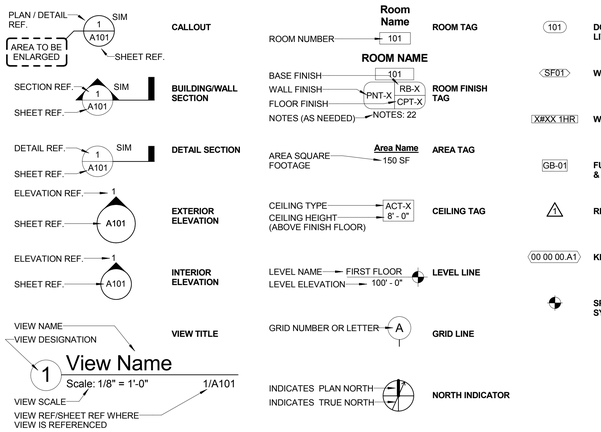
CEILING PLAN GENERAL NOTES

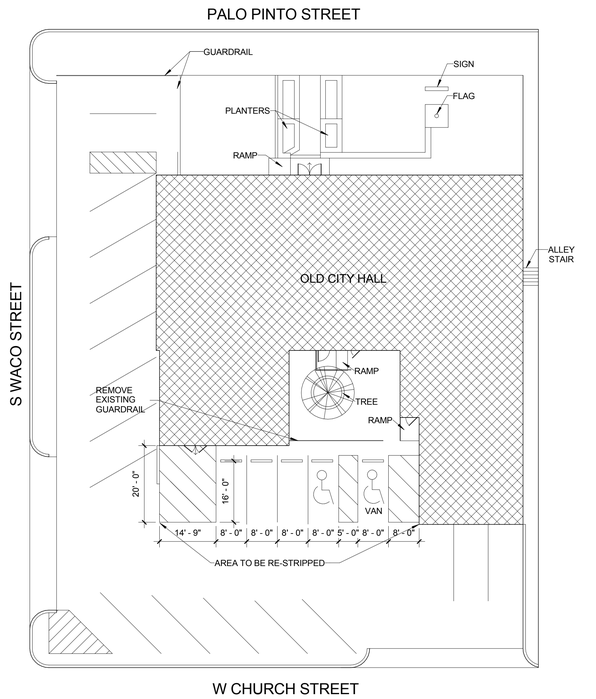
1. CONTROL JOINTS SHOWN IN GYPSUM BOARD SOFFITS SHALL CONTINUE ON VERTICAL SURFACE OF SAME SOFFIT. SPACE CONTROL JOINTS NO MORE THAN 25'-0" O.C. ARCHITECT TO VERIFY JOINT LOCATIONS PRIOR TO INSTALLATION.
2. SEE ENLARGED CEILING PLANS FOR ADDITIONAL SOFFIT DIMENSIONS AND CONTROL JOINT LOCATIONS.
3. ELECTRICAL, MECHANICAL, AND TECHNOLOGY FIXTURES AND DEVICES ARE SHOWN FOR REFERENCE AND TO COORDINATE PLACEMENT. REFER TO ENGINEERING DRAWINGS FOR INFORMATION REGARDING TYPE AND OTHER FIXTURE AND DEVICE INFORMATION.
4. ESTABLISH PRE-INSTALLATION MEETING WITH ARCHITECT TO REVIEW STARTING POINT OF CEILING GRID IN EACH AREA/ROOM.
5. SUBMIT A REFLECTED CEILING PLAN COORDINATION DRAWING TO ARCHITECT AFTER COORDINATING LAYOUT WITH OTHER TRADES PRIOR TO COMMENCING CEILING WORK.
6. GYPSUM CEILING TO BE PAINTED.
7. EXPOSED STRUCTURE, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION COMPONENTS (EXCEPT SPRINKLER HEADS) ARE TO BE PAINTED, U.N.O.
8. SPRINKLE HEADS ARE NOT SHOWN. LOCATE SPRINKLER HEADS IN CENTER OF CEILING TILES.
9. CEILING HEIGHTS SHOWN ON REFLECTED CEILING PLANS ARE FROM FINISHED FLOOR OF PLAN SHOWN.
10. COORDINATE LOCATION OF ACCESS PANELS WITH MECHANICAL/ELECTRICAL CONTRACTORS.
11. IN ROOMS WITH EXPOSED CEILINGS, MOUNT LIGHT FIXTURES TO UNDERSIDE OF STRUCTURE. OTHER MEP/FP ITEMS TO MAINTAIN A MINIMUM CLEARANCE OF ***9'-0" A.F.F.***
12. SEE TECHNOLOGY DRAWINGS FOR SECURITY CAMERA AND MOTION DETECTOR LOCATIONS.
13. SEE ELECTRICAL LIGHTING PLANS FOR EMERGENCY LIGHT FIXTURE LOCATIONS.

CONTRACTOR TO COORDINATE CEILING FIXTURE LOCATIONS WITH ABOVE-CEILING WORK TO AVOID CONFLICTS.

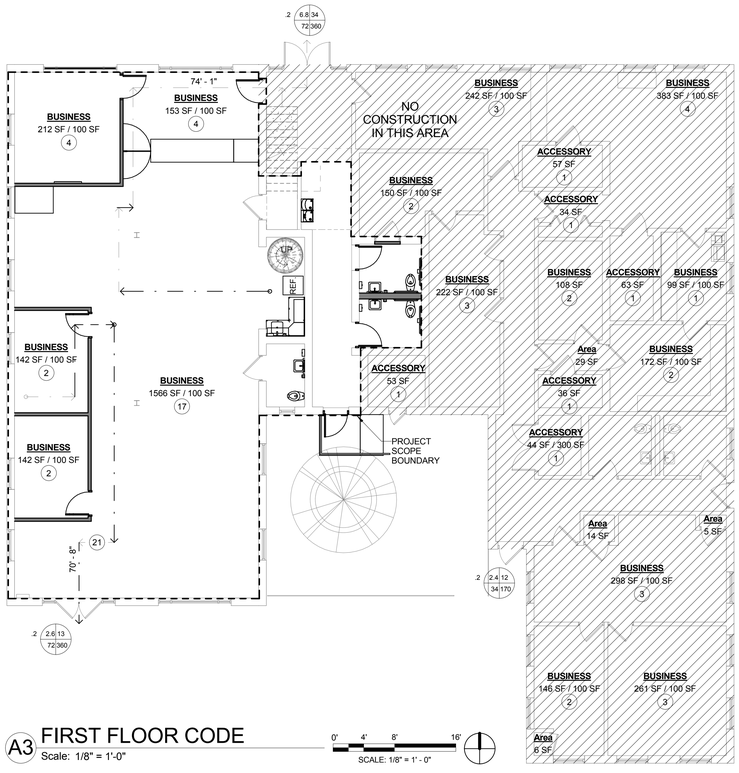
GENERAL NOTES

1. ABBREVIATION, SYMBOLS AND STANDARDS AS SHOWN ARE LIMITED TO GENERAL NOTATIONS USED ON ARCHITECTURAL DRAWINGS, FOR ADDITIONAL INFORMATION REFER TO SPECIFIC DISCIPLINE DRAWINGS.
2. HORIZONTAL PLANE DIMENSIONS ARE GIVEN TO FACE OF STUD, CENTER LINE OF COLUMNS, FACES OF CMU WALLS AND FACE OF CONCRETE, UNLESS NOTED OTHERWISE
3. ELEVATIONS AND VERTICAL PLANE DIMENSIONS ARE GIVEN TO FINISH FLOOR ELEVATION UNLESS NOTED OTHERWISE.
4. RATED WALLS SHALL EXTEND TO STRUCTURE ABOVE.
5. CEILING HEIGHTS ARE FROM FINISH FLOOR TO FINISH FACE OF CEILING MATERIAL.
6. CEILINGS SHALL HAVE ACCESS PANELS TO EACH PIECE OF CONCEALED EQUIPMENT AS REQUIRED.
7. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
8. RECESSED FIXTURES AND ACCESSORIES LOCATED IN FIRE RATED WALLS SHALL BE BACKED WITH FIRE RESISTIVE CONSTRUCTION.
9. GRILLES AND DIFFUSERS SHALL BE FINISHED TO MATCH COLOR OF SURFACES ON WHICH THEY OCCUR UNLESS NOTED OTHERWISE. EXTERIOR MECHANICAL LOUVERS SHALL BE PAINTED IN ACCORDANCE WITH THE EXTERIOR COLOR LEGEND ON EXTERIOR ELEVATIONS SHEETS.
10. IN CONSTRUCTION TYPE 1 AND TYPE 2 BUILDINGS, WOOD BLOCKING IN WALLS SHALL BE FIRE RETARDANT. REFER TO CODE INFORMATION SHEET FOR BUILDING TYPE DESIGNATION.
11. ARCHITECTURAL DRAWINGS AND NOTES DESIGNATED AS TYPICAL INDICATES THE DRAWING AND NOTE APPLIES THROUGHOUT THE PROJECT, WHEREVER CONDITION SHOWN IN DRAWING OCCURS.
12. DIMENSIONS AND NOTES FOR A GIVEN CONDITION ARE TYPICAL FOR SIMILAR CONDITIONS THROUGHOUT THE PROJECT, U.N.O.
13. SIMILAR OR SIM. MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITION AND CONDITIONS NOTED.





D3 Site
Scale: 1/16" = 1'-0"
0' 8' 16' 32'
SCALE: 1/16" = 1' - 0"



A3 FIRST FLOOR CODE
Scale: 1/8" = 1'-0"
0' 4' 8' 16'
SCALE: 1/8" = 1' - 0"

SHEET INDEX

SHEET NO.	SHEET NAME
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MP-100	FIRST FLOOR PLAN MECHANICAL PLUMBING
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ELECTRICAL	
E-100	FIRST FLOOR PLAN ELECTRICAL
E-200	DETAILS AND RISER DIAGRAMS ELECTRICAL

Code Jurisdiction

2009	International Existing Building Code (IEBC)
2009	International Building Code (IBC)
2009	International Energy Conservation Code (IECC)
2009	International Plumbing Code (IPC)
2009	International Mechanical Code (IMC)
2009	National Electrical Code (NEC)
2009	International Fire Code (IFC)
2011	Liquefied Petroleum Gas Code (NFPA 58)
2009	National Fuel Gas Code (NFPA 54)
2012	Texas Accessibility Standards (TAS)

Basic Assumptions

The information below was compiled by the architect and is intended to identify to the code official the architect's interpretation of the code. The information below is excerpted from the code unless indicated otherwise it is intended to identify the basic requirements for this project primarily in terms of occupancy, construction type, and egress. Miscellaneous other issues may also be identified. The information is not intended to include all applicable portions of the code or other applicable codes and governing regulations. It is also not intended to diminish the importance or relevance of other portions of any codes and regulations that may be applicable to the work contained in these drawings and specifications.

Project Size:

First floor = **6,587 sf**

Occupancy Groups

Per Table 1004.1.1 Maximum Floor Area Per Occupant

Accessory/Storage = 300 Gross
Business = 100 Gross

Existing First Floor	
Accessory	6
Business	54
Total Floor	**60 occupants**

Building Egress

Egress Width Per Occupant Served

Per 3404.6 Means of Egress Capacity Factors
Alterations to any existing building or structure shall not be affected by the egress width factors in section 1005.1 for new construction in determining the min. egress widths or the min. number of exits in an existing building or structure.

Accessible Means of Egress

Per 1007.1 Accessible Means of Egress Required
Exception 1: Accessible Means of Egress are not required in alterations to existing buildings

Number of Exits and Continuity

Per 1021.1 Min Number of Exits for Occupant Load (per story)

Occupant Load	Min. Number of Exits
1-500	2

Historic Buildings

Per 3409.1 Historic Buildings

The provisions of this code relating to the construction, repair, alteration, addition, restoration and movement of structures, and change of occupancy shall not be mandatory for historic buildings where such buildings are judged by the building official to not constitute a distinct safety hazard

Water Closets

Per Section 29

Group	Male	Female	Lavatories Male/Female	Drinking Fountains	Service Sinks
B	1	1	**	1/100	1

*1 per 25 for the first 50 and 1 per 50 for the remainder
** 1 per 40 for the first 80 and 1 per 80 for the remainder

Occupant Loads: B(60)

Group	Male	Female	Lavatories Male/Female	Drinking Fountains	Service Sinks
B	1.10	1.10	75	60	1
Total	2	2	1	1	1

	Required	Provided
Male WC	2	2
Female WC	2	3
Male Lav.	1	2
Female Lav.	1	3
Drinking Fountains	1	1
Service Sinks		

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City of Weatherford, Texas

WEATHERFORD OLD CITY HALL RENOVATION PROJECT

119 Palo Pinto Street
Weatherford, TX 76086

CONSTRUCTION DOCUMENTS

SEAL

KEY PLAN

SCALE

As indicated

No.	Description	Date

REVISIONS

DRAWN BY	HB
APPROVED BY	NS
CHECKED BY	NS
DATE	01/05/18

TITLE

INDEX

PROJECT NO. 50095393

G-001

SHEET NO.

GENERAL STRUCTURAL NOTES

I. CODES AND STANDARDS

A. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE 2015, LATEST EDITION, WITH THE SPECIFICATION AND WITH THE REGULATIONS OF ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION.

II. GENERAL

A. THIS PROJECT HAS BEEN DESIGNED FOR THE WEIGHTS OF MATERIALS INDICATED IN THE DESIGN CRITERIA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FALSEWORK, FORMWORK, STAGING, BRACING, SHEETING, SHORING, ETC.

B. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL STRUCTURAL ELEVATIONS AND DIMENSIONS WITH EXISTING CONDITIONS AND WITH OTHER PROJECT DRAWINGS; COORDINATE LOCATION OF SLEEVES AND OPENINGS THROUGH THE STRUCTURE, SLAB DEPRESSIONS, FLOOR DRAINS, INSERTS, AND OTHER RELATED ITEMS.

C. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CORRECTNESS OF DIMENSIONS OR QUANTITIES AND FOR THE FITTING TO OTHER WORK; FOR WORK TO BE CONFIRMED AND CORRELATED AT THE SITE; FOR INFORMATION PERTAINING TO THE FABRICATION PROCEDURE OR TO THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION; AND FOR THE COORDINATION OF STRUCTURAL WORK WITH THE WORK OF ALL OTHER TRADES. THE VERIFICATION OF THE PHYSICAL INTERRELATIONSHIPS OF ELEMENTS OF THE WORK FROM PLANS AND SPECIFICATIONS AND IN THE FIELD IS THE CONTRACTOR'S SOLE RESPONSIBILITY. REVIEW OF CONTRACTOR'S SUBMISSIONS DOES NOT RELIEVE CONTRACTOR FROM THESE RESPONSIBILITIES.

D. SEE ARCHITECTURAL DRAWINGS FOR EXACT DETAIL AND LOCATION OF OPENINGS OR RECESSES IN WALLS AND SLABS AND OTHER DIMENSIONS NOT SHOWN IN STRUCTURAL DRAWINGS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR INFORMATION REGARDING SIZE AND LOCATION OF OPENINGS FOR DUCTS, PIPES, CONDUITS, MACHINE PADS, AND THE LIKE. PROPOSED OPENINGS OR RECESSES IN THE STRUCTURE WHICH ARE NOT SHOWN IN THE STRUCTURAL DRAWINGS, EITHER DIRECTLY OR BY TYPICAL DETAIL, SHALL BE SUBMITTED FOR ACCEPTANCE.

E. HOLES OF ANY SIZE SHALL NOT BE DRILLED INTO STRUCTURAL MEMBERS, EXCEPT AS SHOWN IN THE DRAWINGS, WITHOUT THE ACCEPTANCE OF THE ENGINEER.

F. IT IS INTENDED THAT ALL MEMBERS BE FABRICATED AND ERECTED FREE OF SHOP AND FIELD SPLICES. IF FIELD CONDITIONS NECESSITATE THE NEED FOR FIELD SPLICING OF MEMBERS SUBMIT SPLICE LOCATIONS FOR ENGINEER'S ACCEPTANCE. WHERE FIELD SPLICING IS ACCEPTED, SPLICES SHALL BE SHOWN IN THE SHOP DRAWINGS.

G. WHERE REQUIRED, FIREPROOF ALL STEEL, EXCEPT WHERE CONCRETE FIREPROOFING IS SHOWN IN THE DRAWINGS, IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS.

III. WOOD FRAMING

A. UNLESS OTHERWISE NOTED OR APPROVED, STRUCTURAL WOOD MEMBERS SHALL BE SOUTHERN PINE OR APPROVED EQUAL.

B. WOOD CONNECTIONS SHALL BE AS SHOWN ON DRAWINGS, AND WHEN NOT DETAILED, SHALL CONFORM TO ACCEPTED INDUSTRY STANDARDS SUBJECT TO THE ENGINEER'S APPROVAL.

STRUCTURAL ABBREVIATIONS:

A.F.F.	ABOVE FINISHED FLOOR
A.H.U.	AIR HANDLING UNIT
ARCH.	ARCHITECTURAL
B.S.	BOTH SIDES
BOT.	BOTTOM
C =	CAMBER
CF	CUBIC FOOT
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
DET.	DETAIL
DIA.	DIAMETER
DIM.	DIMENSION
EA.	EACH
ELEV.	ELEVATION
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXIST.	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
FIN.	FINISH
FTG.	FOOTING
GA.	GAUGE
GALV.	GALVANIZED
HORIZ.	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION
INT.	INTERIOR
J.B.	JOIST BEARING
KSI	KIPS PER SQUARE INCH
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MIN.	MINIMUM
MPH	MILES PER HOUR
#	NUMBER
N.T.S.	NOT TO SCALE
NO.	NUMBER
O.C.	ON CENTER
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
R	RADIUS
REINF.	REINFORCING
REQ'D	REQUIRED
S.S.	STAINLESS STEEL
SIM	SIMILAR
STD.	STANDARD
STRU.	STRUCTURAL
T.O.S.	TOP OF STEEL
TS	TUBE STEEL
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
VERT.	VERTICAL
W.P.	WORK POINT
W.W.F.	WELDED WIRE FABRIC

LOADING CRITERIA:

ROOF DEAD LOAD: 25 PSF

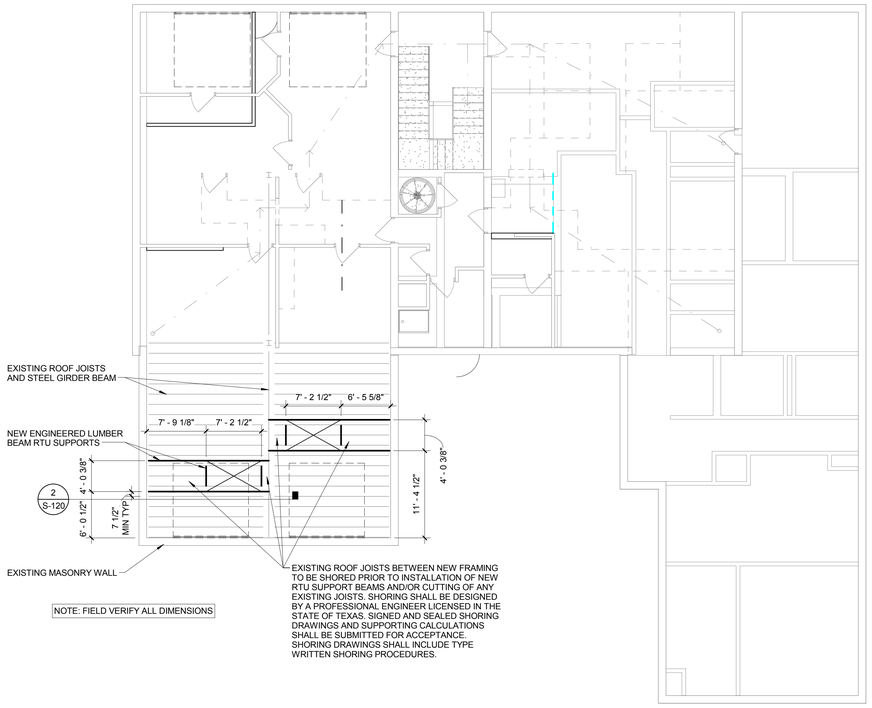
ROOF LIVE LOAD: 20 PSF

ROOF SNOW LOAD:

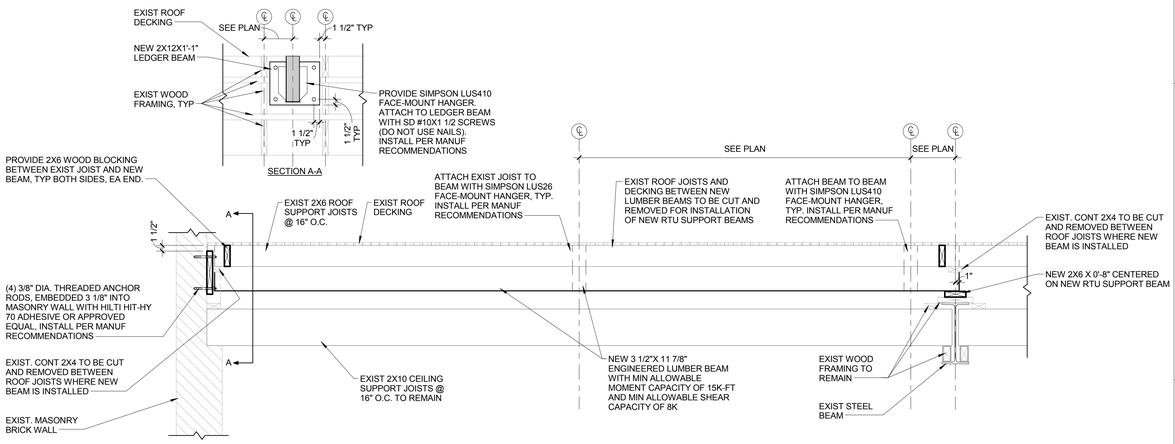
1) GROUND SNOW LOAD, Pg =	5 PSF
2) EXPOSURE FACTOR, Ce =	1.0
3) SNOW IMPORTANCE FACTOR, Is =	1.0
4) THERMAL FACTOR, Ct =	1.0
5) FLAT ROOF SNOW LOAD, Pf =	3.5 PSF
6) RISK CATEGORY =	II

RAIN LOAD:

RAIN-ON-SNOW SURCHARGE LOAD = 5 PSF



1 NEW RTU FRAMING PLAN @ 1ST STORY ROOF
Scale: 1/8" = 1'-0"



2 TYP ENGINEERED BEAM CONN'X DETAIL
Scale: 3/4" = 1'-0"

Dewberry

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1350 South Boulder Ave
Suite 600
Tulsa, Oklahoma 74119
918.295.5258

City of Weatherford, Texas

WEATHERFORD OLD CITY HALL RENOVATION PROJECT

119 Palo Pinto Street
Weatherford, TX 76086
CONSTRUCTION DOCUMENTS

SEAL

KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	ACSS
APPROVED BY	ACSS
CHECKED BY	CJK
DATE	01/05/18

TITLE

RTU SUPPORT FRAMING PLAN

PROJECT NO. 50095393

S-120

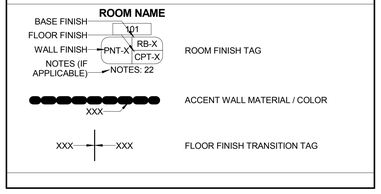
SHEET NO.

1/8/2018 9:29:34 AM

ROOM FINISH NOTE SCHEDULE	
NUMBER	NOTE
1	GYPSUM BOARD WALL ONLY TO RECIEVE PAINT
2	GYPSUM BOARD WALLS ONLY TO RECIEVE RUBBER BASE
3	EXPOSED BRICK WALLS, TREATED PER GENERAL NOTE #3 THIS SHEET
4	SAND AND REPAINT INTERIOR SIDE OF WOOD WINDOWS AND SILL
5	USE SCHLUTER METAL TRANSITION STRIP BETWEEN TILE AND SEALED CONCRETE. FINISH TO BE ANODIZED ALUMINUM.
6	WALL TILE BEHIND SINK AND TOILET TO BE FULL HEIGHT, OTHER THREE WALLS TO HAVE WAINSCOT HEIGHT WALL TILE

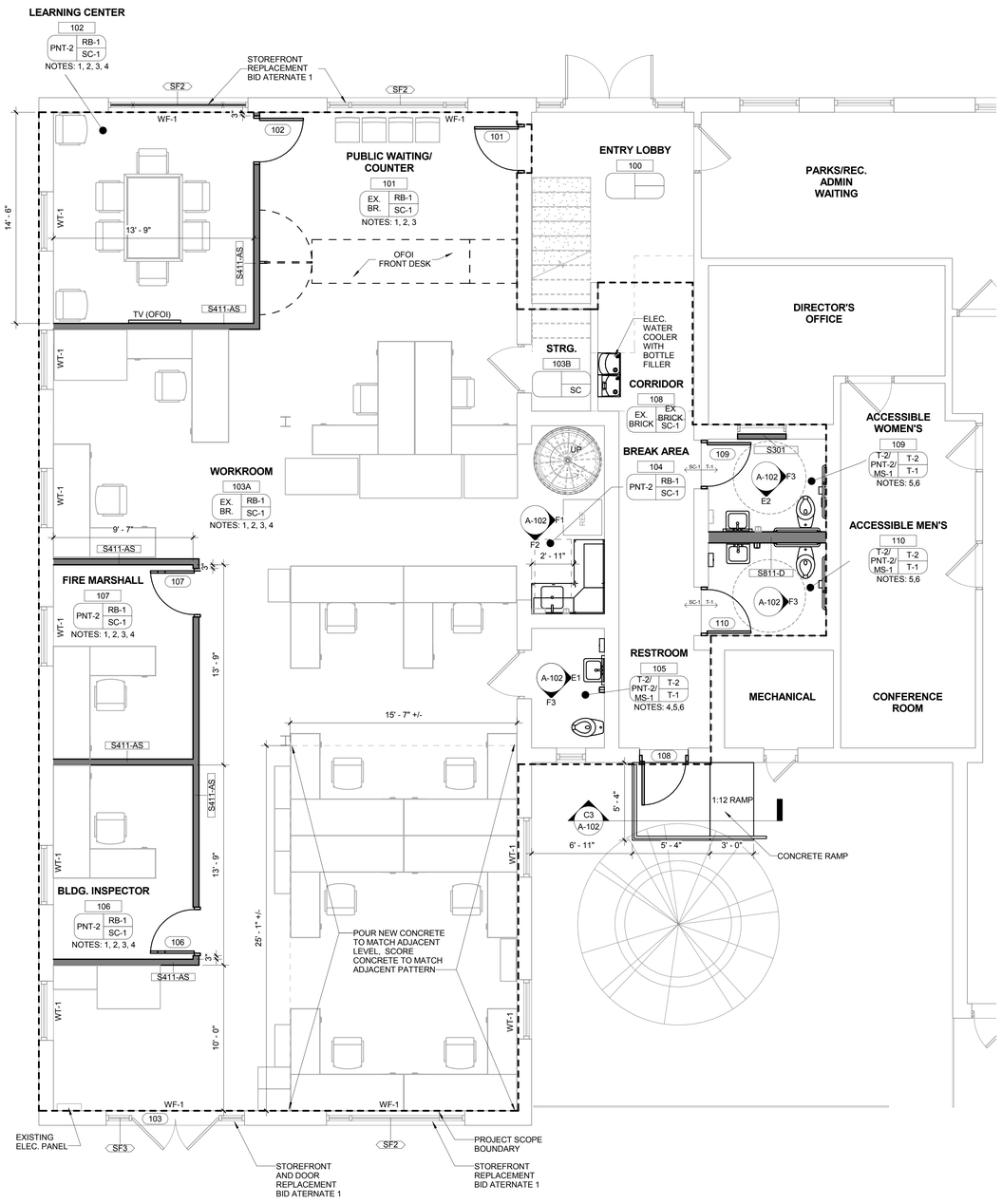
FINISH LIST	
FINISH	COMMENTS
CEILING FINISHES	
ACOUSTIC CEILING TILE (ACT)	
ACT-1	ARMSTRONG COMMERCIAL CEILINGS; PATTERN: OPTIMA TEGULAR 3354; 24"X24"X1" THICK; .090 NRC; 26 CAC; 15/16" SQUARE TEGULAR EDGE
FLOOR FINISHES	
METAL STRIP (MS)	
MS1	SCHLUTER METAL STRIP TO CAP OFF T-2 TILE WAINSCOT; FINISH: ANODIZED ALUMINUM
RESILIENT BASE(RB)	
RB-1	JOHNSONITE RUBBER BASE; THERMOPLASTIC 4" H. STRAIGHT BASE; COLOR TB1 PEPPERCORN
SEALED CONCRETE (SC)	
SC-1	SMOOTH FINISH; SEALED
TILE (T)	
T-1	CROSSVILLE STUDIOS; MARCA CORONA; PRODUCT: BRICKLANE; PATTERN RED MRCBRLRED10HEX; HEXAGON TILE;10"X8.5" HEX DECO (FLOOR TILE IN RESTROOMS)
T-2	EMSER TILE; PRODUCT; CHOICE; 4" X 10" WITH GLOSS FINISH; COLOR: WHITE;(WALL TILE/ WAINSCOT FOR RESTROOMS)
MISCELLANEOUS	
PLASTIC LAMINATE (PLAM)	
PLAM-1	MATCH EXISTING LAMINATE TOPS
PLAM-2	WILSONART LAMINATE; 7997-38 COLOR EBONY RECON
WINDOW FILM (WF)	
WF-1	SOLYX FILM; SX-SG09; PATTERN:SILVER/GREY ONE WAY
WINDOW TREATMENT (WT)	
WT1	LEVOLOR; RIVIERA BLIND OR EQUAL; 2" HORIZONTAL MINI BLIND; COLOR TO MATCH PNT-3 PAINT
WALL FINISHES	
PAINT (PNT)	
PNT-1	SHERWIN WILLIAMS; COLOR SW7035 AESTHETIC WHITE (TIN CEILING COLOR)
PNT-2	SHERWIN WILLIAMS; COLOR SW7024 FUNCTION GRAY (GYP. BOARD WALLS IN RESTROOMS & OFFICES)
PNT-3	SHERWIN WILLIAMS; COLOR SW7048 URBANE BRONZE (H.M DOOR FRAMES, WOOD DOORS, EXPOSED COLUMNS IN OPEN AREA, WOOD WINDOW FRAMES AND SILLS)

INTERIOR FINISH LEGEND



GENERAL NOTES

1. AFTER CONCRETE FLOOR IN WORKROOM HAS BEEN COMPLETED PER DRAWINGS, REPAIR AND EVEN CRACKS WITH MORE THEN 1/4" GRADE DIFFERENTIAL, THEN CLEAN AND POLISH ALL EXPOSED CONCRETE FLOORS WITH A MEDIUM GRIND TO EXPOSE 1/2" AGGREGATES AND SEAL.
2. ALL TIN CEILINGS WITHIN THE PROJECT SCOPE BOUNDARY ARE TO HAVE LOOSE PAINT REMOVED IN A MANNER THAT DOES NOT DAMAGE THE TIN PANELS AND A NEW COAT OF PAINT APPLIED.
3. ALL EXPOSED INTERIOR BRICK WALLS ARE TO HAVE PAINT REMOVED IN A MANNER THAT DOES NOT DAMAGE THE BRICK. ONCE PAINT IS REMOVED, PATCH ALL HOLES IN BRICK, TUCKPOINT AND RE-MORTAR ALL DAMAGED AND MISSING MORTAR. AFTER ALL WALL REPAIRS ARE COMPLETED, SEAL BRICK WALLS WITH A CLEAR SEALER.
4. FOR ALL S411-AS PARTITION TYPES, PROVIDE COLD-FORMED STEEL STUD 4005162-54 (50 KSI) @ 16" O.C. WITH MC683 MOMENT CLIPS BY CLARK DIETRICH, OR APPROVED EQUAL, AT THE BASE OF EACH STUD AND INSTALLED PER MANUFACTURER RECOMMENDATION.
5. ALL FURNITURE SHOWN IS FOR CORRDINATION PURPOSES, FURNITURE IS (OFOI).
6. EXISTING DOORS AND DOOR FRAMES WITHIN PROJECT SCOPE BOUNDARY TO BE PAINTED PNT-3

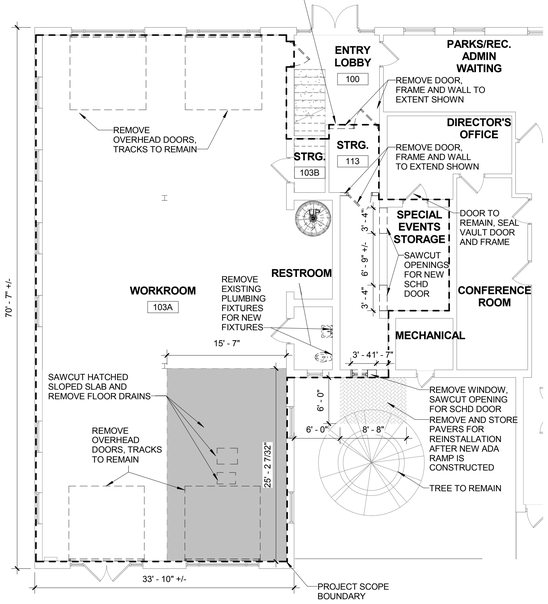


A5 FIRST FLOOR PLAN

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

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

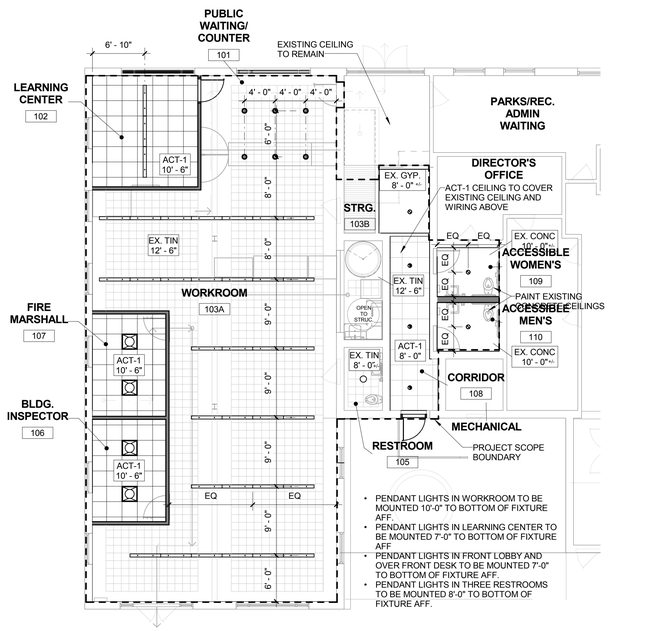
STAIR DEMOLITION, RE. PLAN



C2 FIRST FLOOR DEMOLITION PLAN

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

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



A2 FIRST FLOOR REFLECTED CEILING PLAN

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

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

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City of Weatherford, Texas

WEATHERFORD OLD CITY HALL RENOVATION PROJECT

119 Palo Pinto Street
Weatherford, TX 76086

CONSTRUCTION DOCUMENTS

SEAL

KEY PLAN

SCALE

As indicated

No.	Description	Date

REVISIONS

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APPROVED BY	NS
CHECKED BY	NS
DATE	01/05/18

TITLE

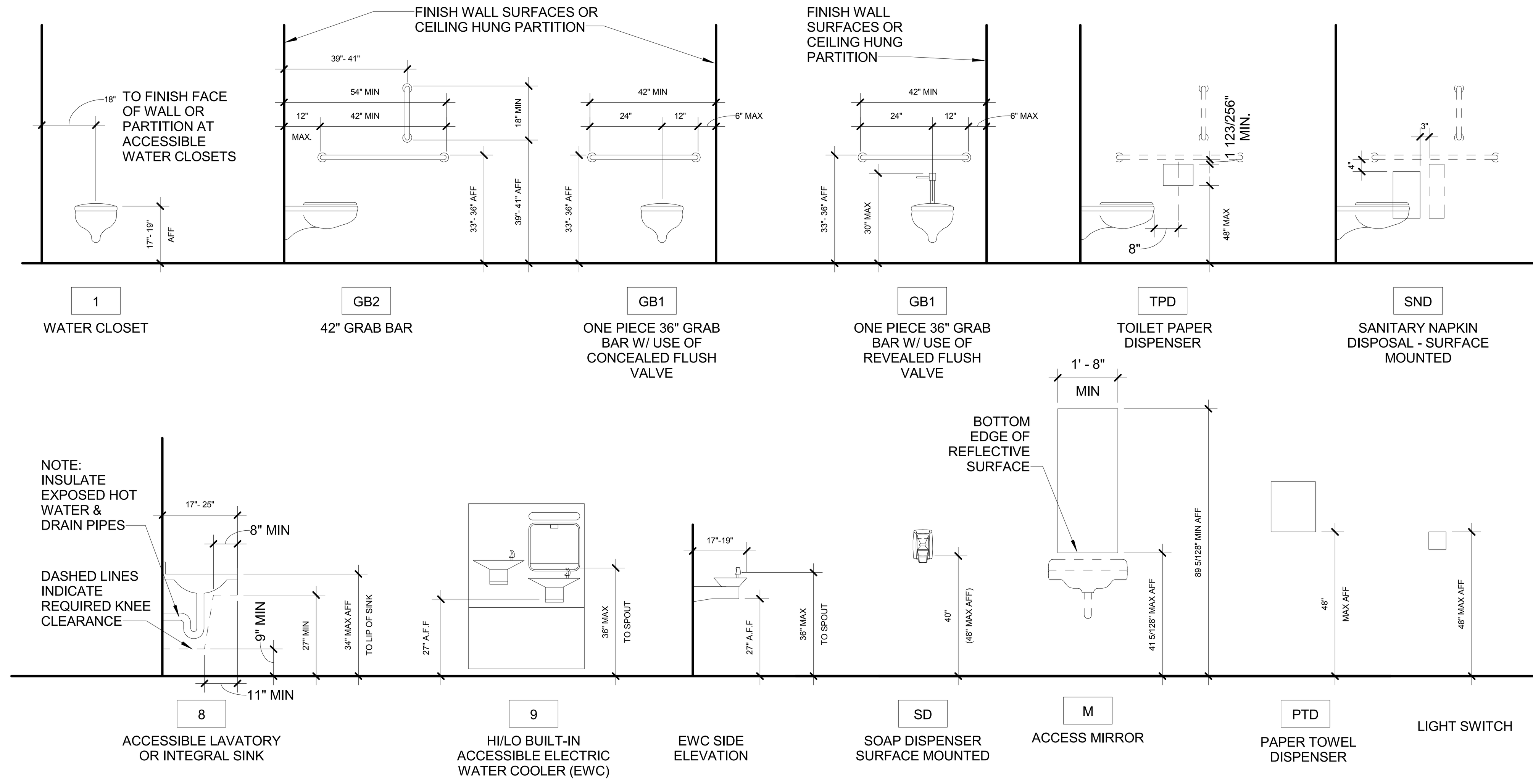
FLOOR PLANS

PROJECT NO. 50095393

A-101

SHEET NO.

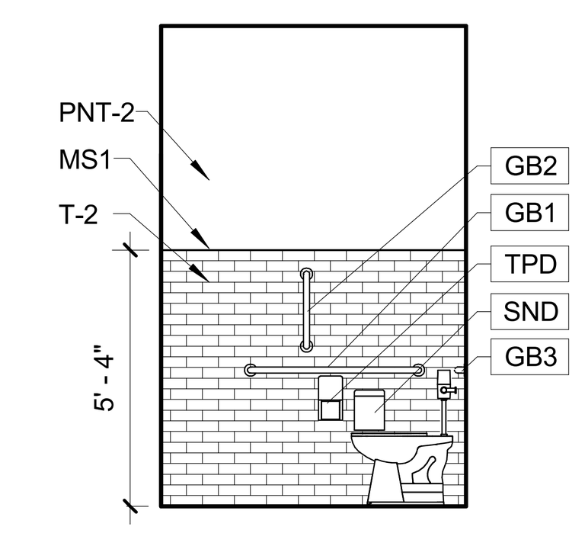
6 5 4 3 2 1



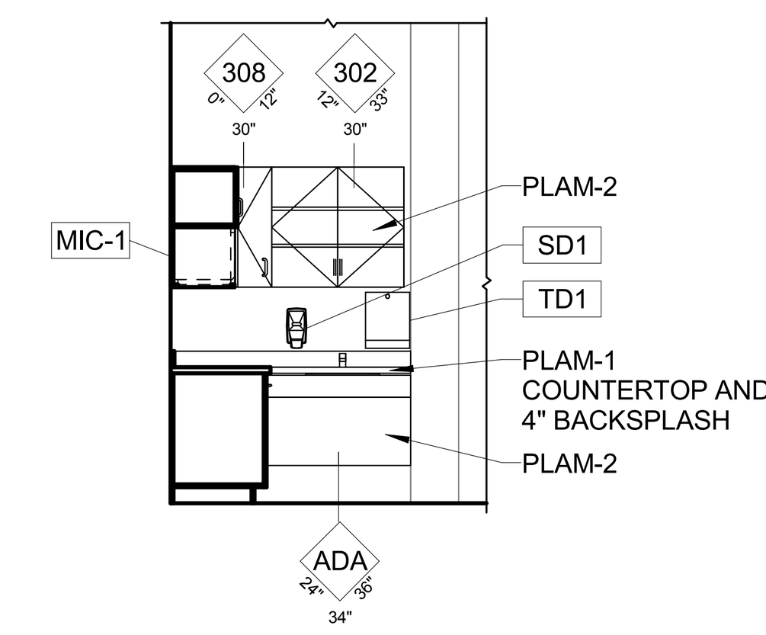
NOTES:

1. PROVIDE BLOCKING AS REQUIRED FOR MOUNTING ACCESSORIES
2. EQUIPMENT SHOWN IN THE MOUNTING HEIGHT LEGEND MAY OR MAY NOT BE USED IN THE CONSTRUCTION OF THIS PROJECT. THE ABOVE LEGEND REPRESENTS A MASTER LIST OF TYPICAL EQUIPMENT COMPILED BY THE ARCHITECT.
3. MOUNT EQUIPMENT AT HEIGHTS INDICATED UNLESS OTHERWISE NOTED
4. REFER TO THE TOILET AND BATH ACCESSORIES SCHEDULE IN THE SPECIFICATIONS.
5. COMPLIANCE WITH ADA FOR INSTALLATION OF ALL THE ACCESSORIES AND EQUIPMENT IS RESPONSIBILITY OF THE GENERAL CONTRACTOR.

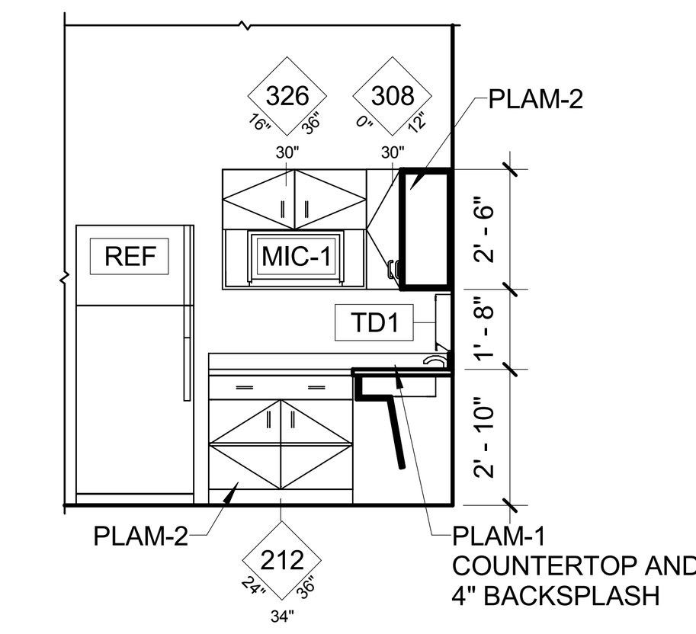
E6 FIXTURE MOUNTING HEIGHTS
Scale: 3/8" = 1'-0"



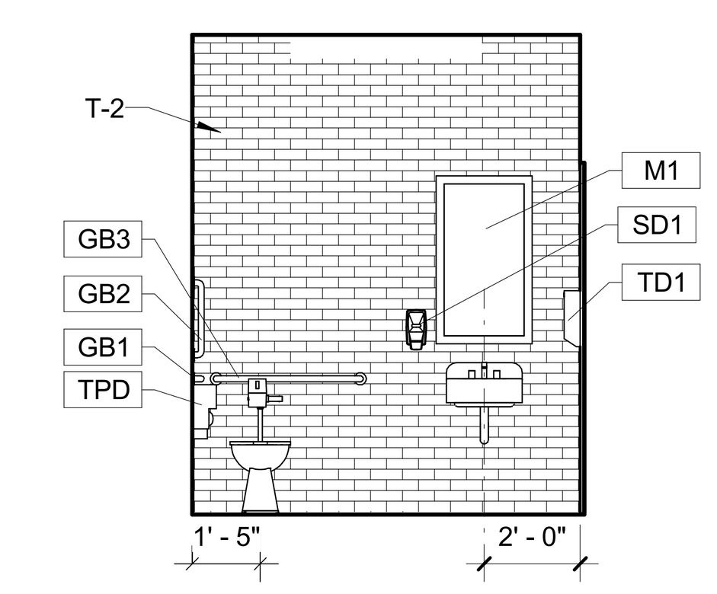
F3 MEN'S/WOMEN'S EAST ELEVATION
Scale: 1/4" = 1'-0"



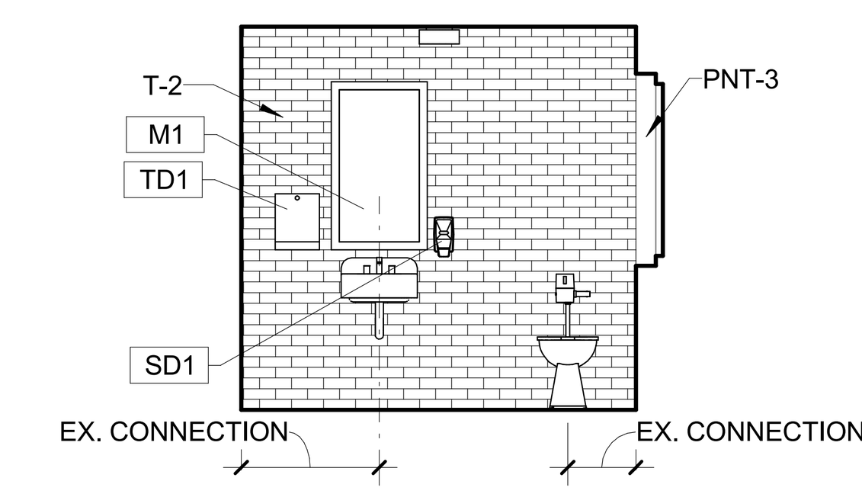
F2 BREAKROOM SOUTH ELEVATION
Scale: 1/4" = 1'-0"



F1 BREAKROOM EAST ELEVATION
Scale: 1/4" = 1'-0"



E2 ACCESSIBLE MEN'S/WOMEN'S NORTH/SOUTH ELEVATION
Scale: 1/4" = 1'-0"



E1 RESTROOM EAST ELEVATION
Scale: 1/4" = 1'-0"

INTERIOR PARTITION LEGEND

METAL STUD

S411-DSX

TAG LEADER
WALL MATERIAL IDENTIFIER
OTHER MODIFIERS
WALL WIDTH
WALL HEIGHT IDENTIFIER
OF LAYERS (GWB, CEMENT BOARD, WOOD) ON SIDE 1
OF LAYERS (GWB, CEMENT BOARD, WOOD) ON SIDE 2

WALL MATERIAL IDENTIFIER & WIDTH:

MATERIALS:
S = METAL STUD
F = FURRING

SHOWS A ROUNDED VALUE FOR THE WIDTH OF THE STRUCTURAL PORTION OF THE WALL.
S1: 1 5/8" METAL STUD
S2: 2 1/2" METAL STUD
S3: 3 5/8" METAL STUD
S4: 4" METAL STUD
S6: 6" METAL STUD
S8: 8" METAL STUD

F1: 7/8" METAL FURRING CHANNEL WITH 5/8" GYP BD (1 1/2" ACTUAL)
F2: 1 1/2" METAL FURRING CHANNEL WITH 5/8" GYP BD (2 1/8" ACTUAL)
F3: 2 1/2" METAL STUD WITH 5/8" GYP BD ONE SIDE (3 1/8" ACTUAL)

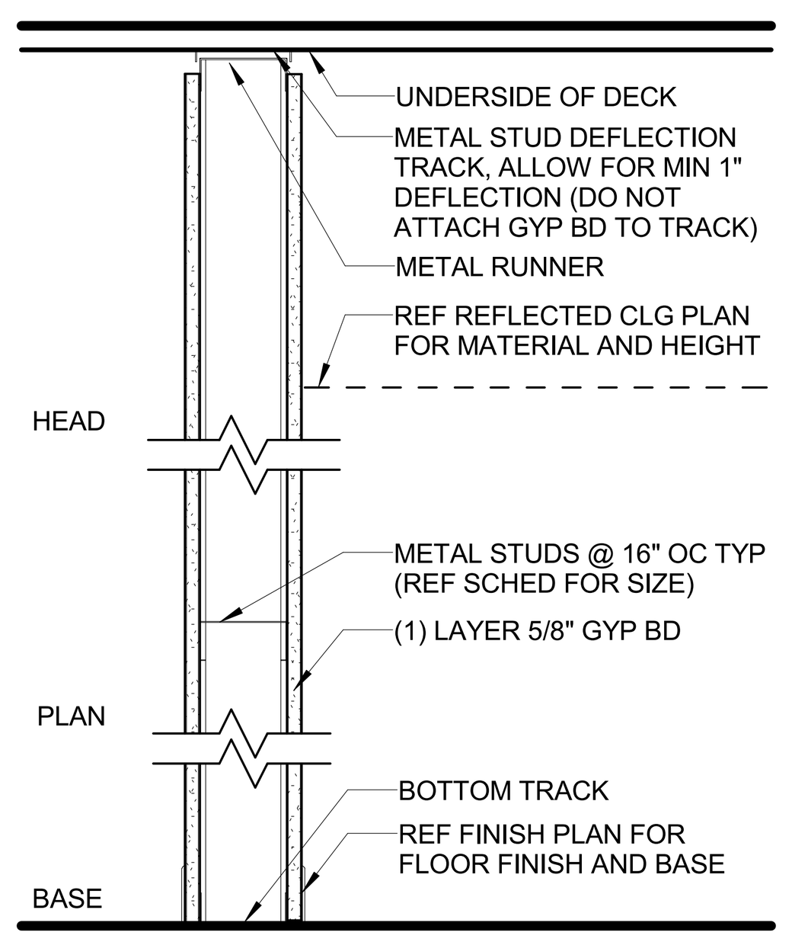
OF GYP WALL BD LAYERS ON SIDE 1 & 2:
(METAL STUD WALL ONLY)

SHOWS A VALUE FOR THE NUMBER OF LAYERS OF GWB ON EACH SIDE OF THE STUD. A '0' INDICATES ZERO LAYERS OF GWB. WHERE A WALL ONLY HAS GWB ON ONE SIDE, IT IS ALWAYS ON THE EXPOSED SIDE.

WALL HEIGHT IDENTIFIER:
A = TO 6" ABOVE CEILING OR ONE FULL COURSE ABOVE CEILING (CMU)
B = TO CEILING
C = PARTIAL HEIGHT (SEE PLANS/ELEVATIONS FOR WALL HEIGHT)
C1 = PARTIAL HEIGHT SUPPORT WALL (UNDER RAISED STOREFRONT SYSTEMS)
D = TO STRUCTURE

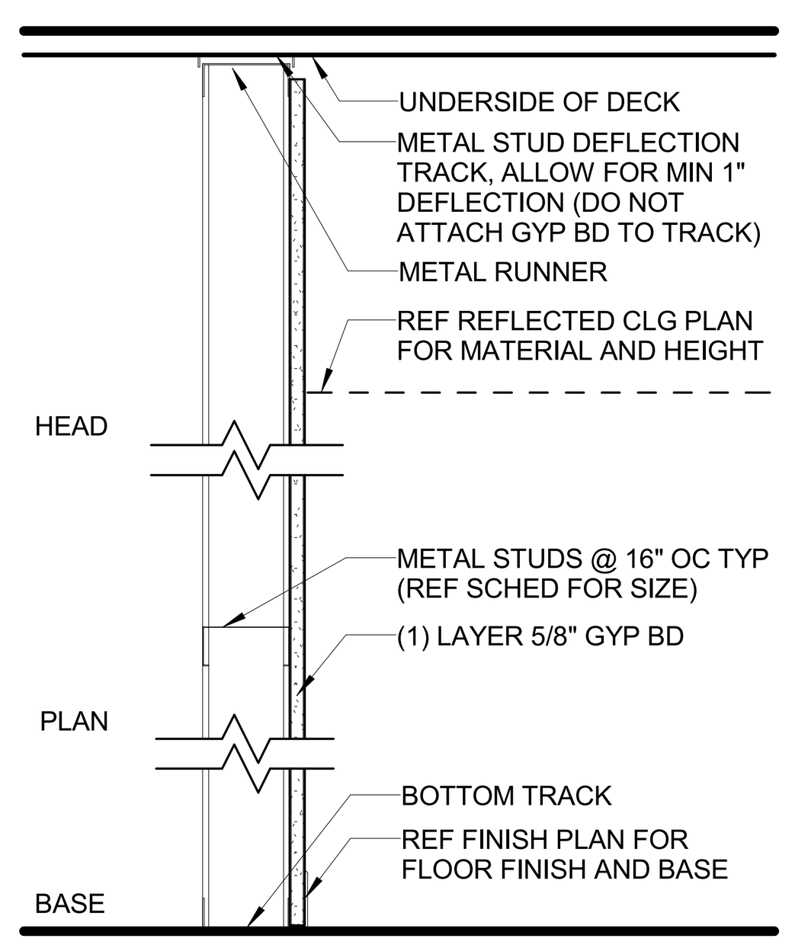
OTHER MODIFIERS:
S = SOUND ATTENUATION BLANKET IN WALL
T = WALL TILE WITH TILE BACKER BOARD
X = COLD-FORMED METAL STUD INTERIOR WALL FRAMING, SPECIAL CONDITION
R = RESILIENT CHANNEL

GENERAL NOTES:
1. SEE PLANS AND DETAIL PLANS FOR CHASE DIMENSIONS.
2. INTERIOR DIMENSIONS ARE TO FACE OF METAL STUD, UNO.
3. REFER TO DETAIL DRAWINGS AND SPECIFICATION FOR LOCATIONS AND INFORMATION ON THE VARIOUS TYPES OF GYPSUM BOARD.
4. FINAL WALL PREP REQUIREMENTS BASED ON FINISH SHOWN IN THE ROOM FINISH SCHEDULE AND WITH THE SPECIFICATIONS.
5. REFER TO DETAIL PLANS AND SECTIONS FOR FURTHER DESCRIPTION OF INTERIOR PARTITIONS.
6. REFER TO FINISH DRAWINGS AND SCHEDULES FOR WALL MATERIAL AND FINISHES.



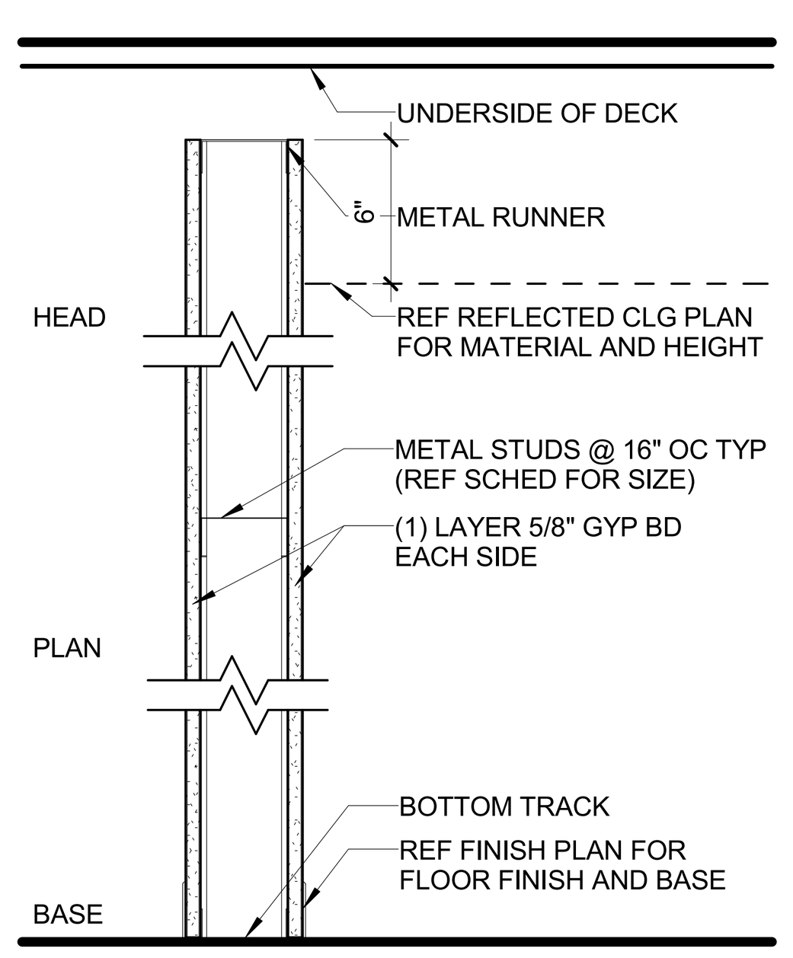
S_11-D STUD WALL TO DECK

WALL TYPE	WIDTH	NOTES
S811-D	8"	



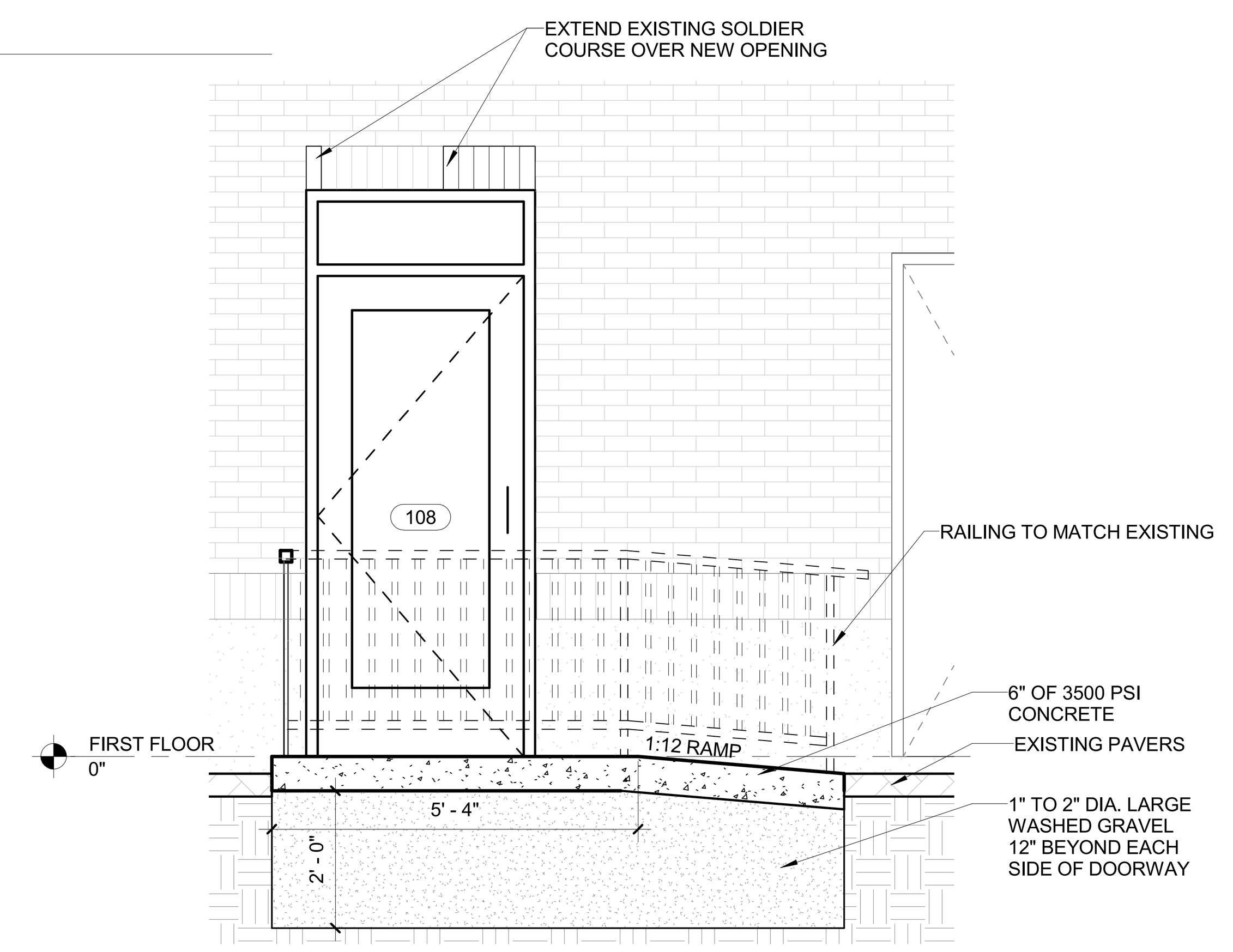
S_01 STUD WALL TO DECK

WALL TYPE	WIDTH	NOTES
S301	3 5/8"	

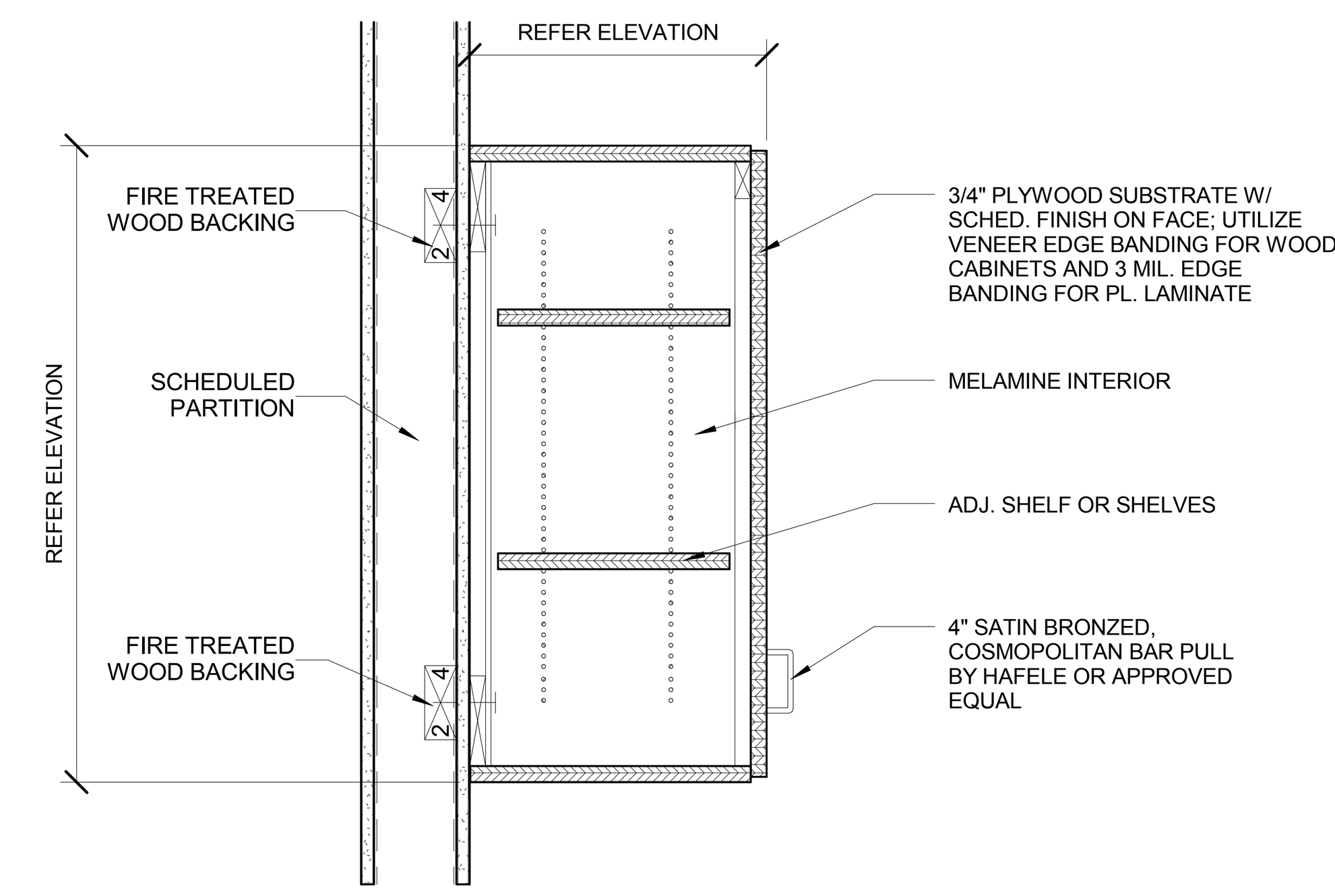


S_11-A STUD WALL TO ABOVE CEILING

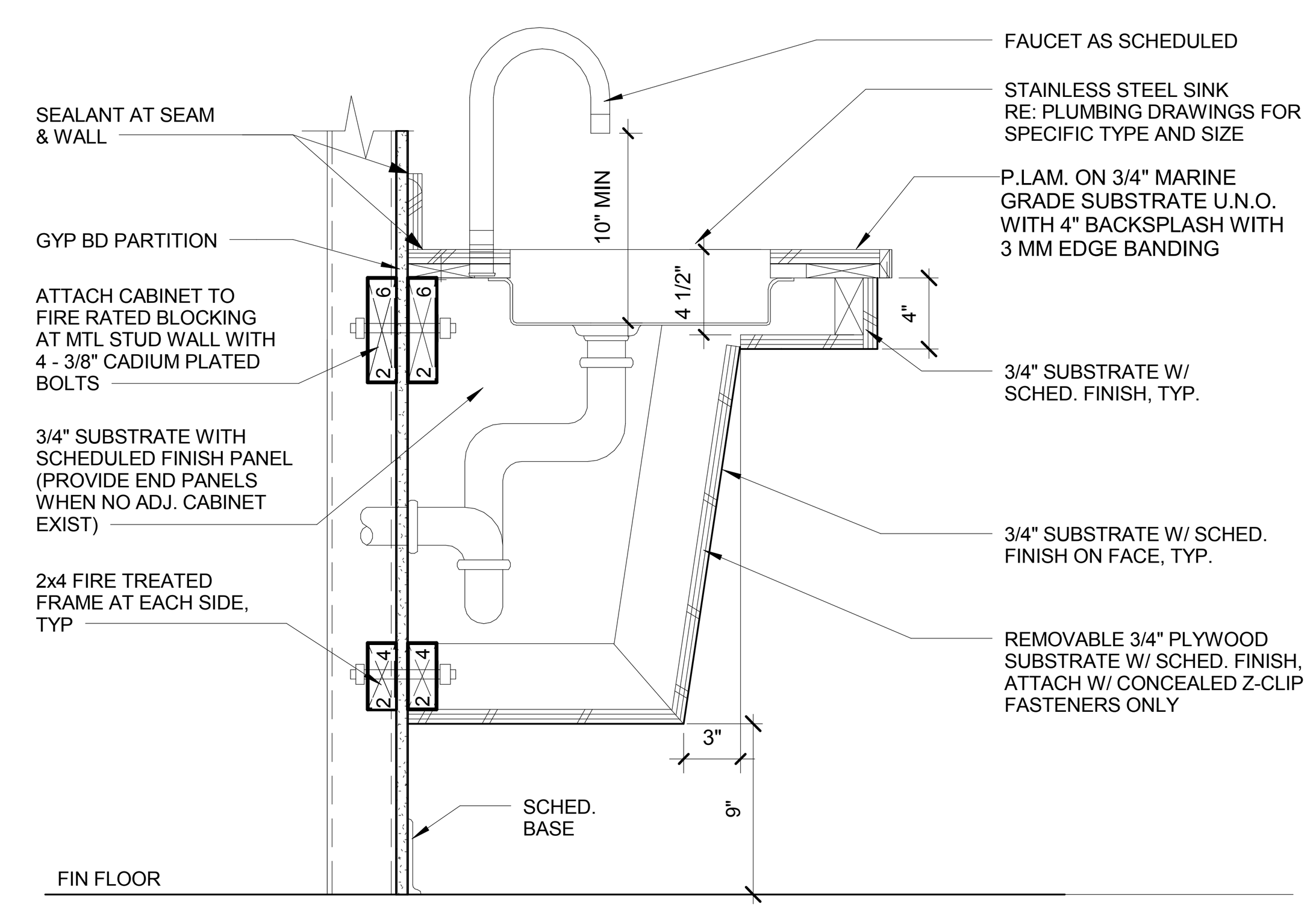
WALL TYPE	WIDTH	NOTES
S411-A	4"	SEE NOTE #4 ON A-101



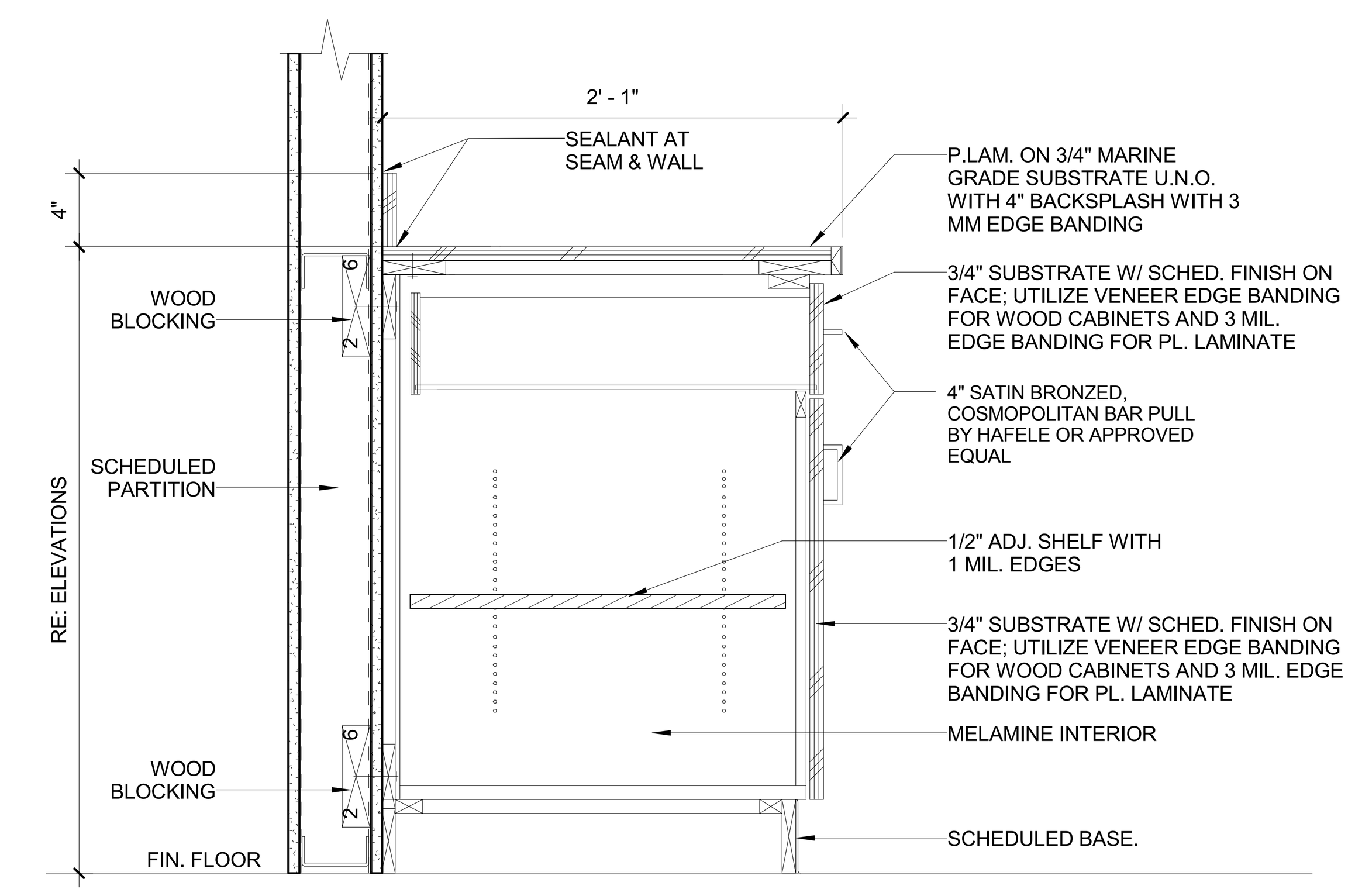
C3 SECTION THROUGH ADA RAMP
Scale: 1/2" = 1'-0"



C2 AWI 301-302 WALL CABINET
Scale: 1 1/2" = 1'-0"



B3 ADA1 SINK BASE CABINET - UNDERMOUNT
Scale: 1 1/2" = 1'-0"



B2 AWI 211-212 BASE CABINET - PL TOP
Scale: 1 1/2" = 1'-0"

DOOR SCHEDULE

DOOR NUMBER	DOOR LEAF QTY	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	TRANSOM	REMARKS	HARDWARE	DOOR NUMBER
101	1	3' - 0"	7' - 0"	1 3/4"	FG	AL	GL1	01	AL	GL1		1	101
102	1	3' - 0"	7' - 0"	1 3/4"	FG	AL	GL1	SF-1	AL			1	102
103	2	3' - 0"	7' - 2"	1 3/4"	FG	AL	GL2	SF-3	AL	GL2	2	5	103
106	1	3' - 0"	7' - 2"	1 3/4"	N	WD	GL1	01	HM		1	2	106
107	1	3' - 0"	7' - 2"	1 3/4"	N	WD	GL1	01	HM		1	2	107
108	1	3' - 0"	7' - 0"	1 3/4"	FG	AL	GL2	SF-1	AL	GL2		3	108
109	1	3' - 0"	7' - 2"	1 3/4"	F	WD		01	HM		1	4	109
110	1	3' - 0"	7' - 2"	1 3/4"	F	WD		01	HM		1	4	110

GLAZING TYPES
GL1 - 1/4" TEMPERED SAFETY GLASS
GL2 - 1" INSULATED GLAZING UNIT WITH TEMPERED SAFETY GLASS

REMARKS
1. WOOD DOORS TO BE SOLID CORE PAINT GRADE
2. STORFRONT AND DOORS TO BE REPLACES AS BID ALTERNATE 1, HARDWARE AS BASE BID

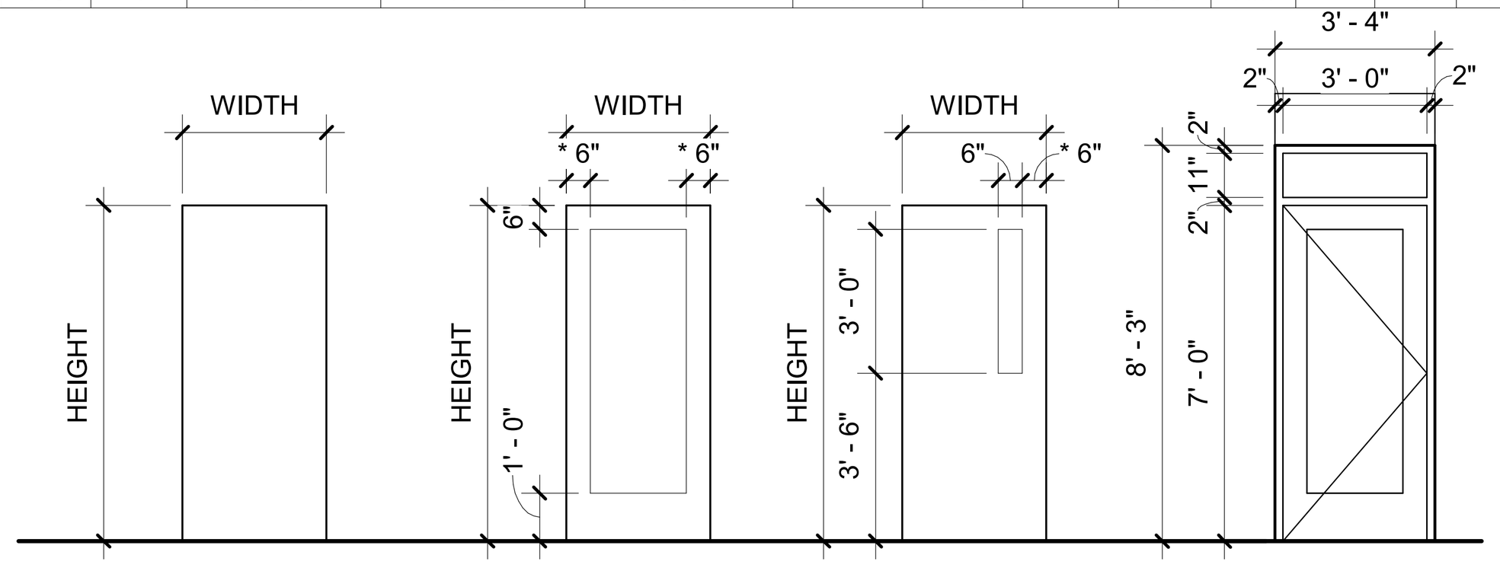
HARDWARE SET 1
1 PIVOT SET
1 SURFACE CLOSER
2 PULL HANDLES
1 DEAD BOLT
1 DOOR STOP

HARDWARE SET 2
3 HINGES
1 OFFICE LOCK
1 WALL STOP
3 SILENCER

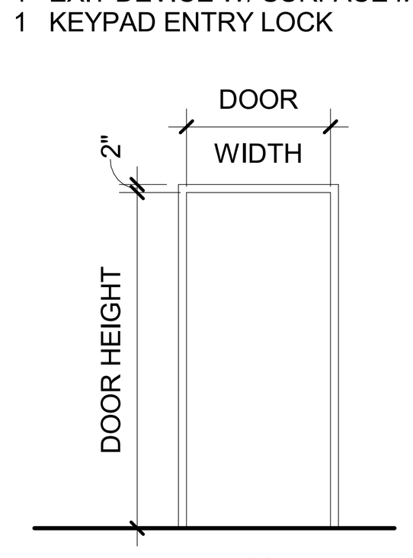
HARDWARE SET 3
1 PIVOT SET
1 PULL HANDLE
1 EXIT DEVICE
1 SURFACE CLOSER
1 THRESHOLD
1 GASKETING
1 RAIN GUARD
1 SWEEP

HARDWARE SET 4
3 HINGES
1 PRIVACY LOCK
1 WALL STOP
3 SILENCER

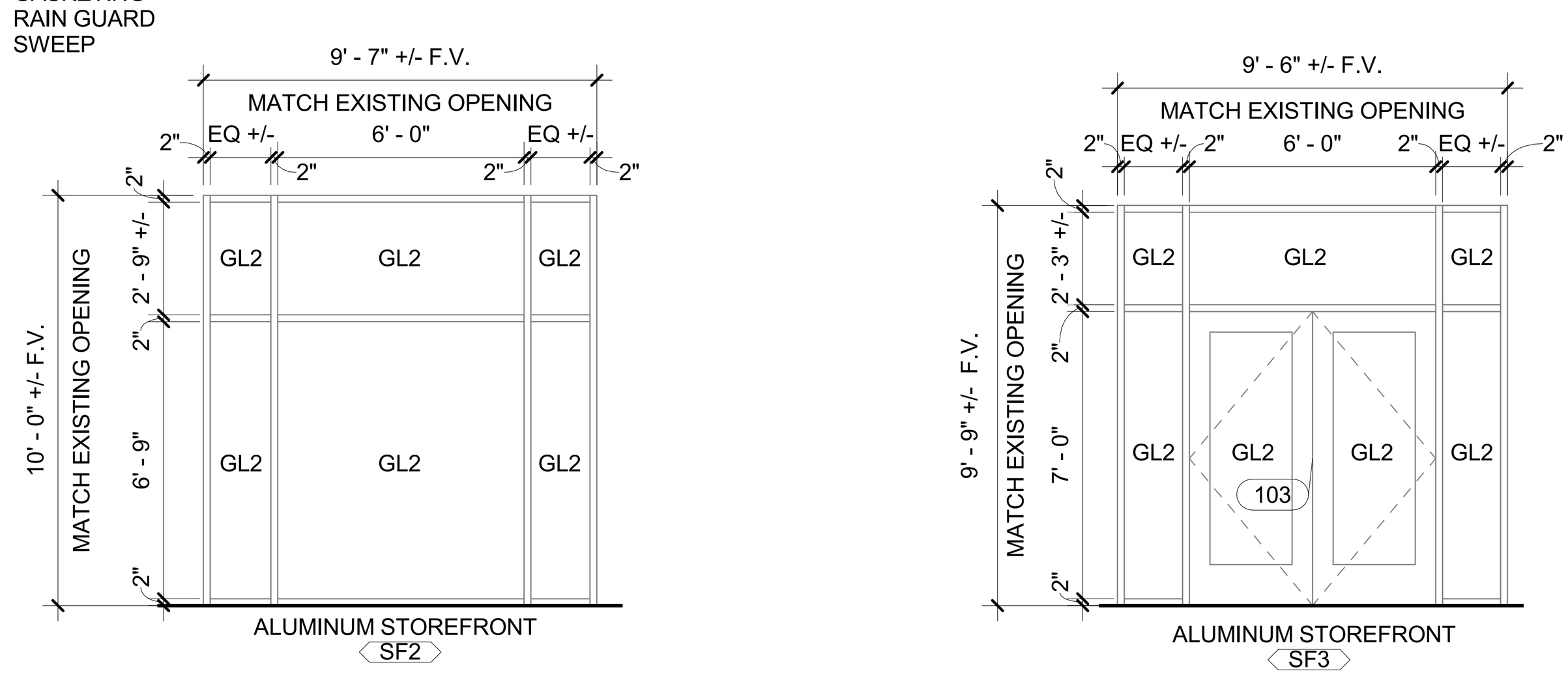
HARDWARE SET 5
2 PIVOT SET
2 PULL HANDLE
2 FLUSH BOLTS
2 SURFACE CLOSER
1 EXIT DEVICE W/ SURFACE MOUNTED TOP ROD
1 KEYPAD ENTRY LOCK



A6 DOOR PANEL TYPES
Scale: 1/4" = 1'-0"



A5 FRAME TYPES
Scale: 1/4" = 1'-0"



A4 BID ALTERNATE 1 GLAZING ELEVATIONS
Scale: 1/4" = 1'-0"

BID ALTERNATE 1

PROVIDE BASE BID PLUS NEW SF2 & SF3, THERMALLY BROKEN, 2"X4" MULLION PROFILE, CENTER SET, CLEAR ANODIC FINISH, FIELD-FABRICATED STICK SYSTEM, 1" INSULATED GLAZING TO BE SOLARBAN 60 SOLARGRAY + CLEAR, OR APPROVED EQUAL

BASE BID

PROVIDE WF-1 ON EXISTING STOREFRONT SF2 &SF3 AND PROVIDE NEW HARDWARE FOR DOOR 103

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Schmidt & Stacy
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2711 N. Haskell Ave.
Dallas, Texas 75204

City of Weatherford, Texas

WEATHERFORD OLD CITY HALL RENOVATION PROJECT

119 Palo Pinto Street
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CONSTRUCTION DOCUMENTS

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KEY PLAN

SCALE

As indicated

No.	Description	Date

REVISIONS

DRAWN BY	HB
APPROVED BY	NS
CHECKED BY	NS
DATE	01/05/18

TITLE

DETAILS

PROJECT NO. 50095393

A-102

SHEET NO.

6 | 5 | 4 | 3 | 2 | 1

GENERAL MECHANICAL NOTES:

1) IT IS THE INTENT AND MEANING OF THE CONTRACT DOCUMENTS THAT THE CONTRACTOR SHALL PROVIDE A MECHANICAL INSTALLATION THAT IS COMPLETE AND ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLY INCIDENTAL, OR CUSTOMARILY INCLUDED EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN.

2) THE CONTRACTOR SHALL MAKE A CAREFUL EXAMINATION OF THE PREMISES AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE REQUIREMENTS OF THE CONTRACT. UPON COMMENCEMENT OF CONSTRUCTION FOR THE WORK INCLUDED IN THIS CONTRACT, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH A STUDY OR EXAMINATION AND THAT HE IS FAMILIAR WITH AND ACCEPTS ALL CONDITIONS OF THE PREMISES.

3) PROVIDE ALL EQUIPMENT MATERIALS, LABOR, SUPERVISION AND SERVICES NECESSARY FOR OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATING HVAC OR PLUMBING SYSTEM AS SHOWN OR INDICATED ON THE DRAWINGS AND/OR AS SPECIFIED. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO PROTECT ALL EXISTING OPERATIONS AND PROPERTY ADJACENT WITH WHICH WORK COMES IN CONTACT OR OVER WHICH HE MAY TRANSPORT, HOIST OR MOVE MATERIALS, EQUIPMENT, DEBRIS, ETC. AND SHALL REPAIR SATISFACTORILY ALL DAMAGES CAUSED BY HIM DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE WITH NEW MATERIALS AND/OR EQUIPMENT FAILING TO GIVE SATISFACTORY SERVICE DURING THE WARRANTY PERIOD. THE CONTRACTOR SHALL COORDINATE AND NOTIFY THE BUILDING OWNER AND OPERATOR FOR APPROVAL AND SCHEDULING OF ANY BUILDING OR EXISTING TENANT SYSTEM INTERRUPTION.

4) MATERIALS AND WORKMANSHIP SHALL COMPLY WITH CONTRACT DOCUMENTS, APPLICABLE CODES AND STANDARDS, AND, IN THE CASE OF DIFFERENCES BETWEEN APPLICABLE CODES AND STANDARDS AND THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE A/E AND THE OWNER IN WRITING OF SUCH DIFFERENCES. SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH REQUIREMENTS OF APPLICABLE CODES AND STANDARDS, HE SHALL BEAR ALL COSTS ARISING IN CORRECTING SUCH DEFECTS. APPLICABLE CODES AND STANDARDS SHALL INCLUDE ALL ORDINANCES, UTILITY COMPANY REGULATIONS AND APPLICABLE REQUIREMENTS OF NATIONALLY ACCEPTED CODES AND STANDARDS.

5) THE DRAWINGS WERE PREPARED FROM THE BEST INFORMATION AVAILABLE, BUT DO NOT ATTEMPT TO INDICATE THE LOCATION OF ALL EXISTING EQUIPMENT. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE CONDITIONS SURROUNDING THE INSTALLATION OF HIS WORK PRIOR TO PROCEEDING WITH THE INSTALLATION. CHANGES REQUIRED TO THE DESIGN SHOWN ON THESE DRAWINGS DUE TO EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE AE/OWNER FOR REVIEW BY WAY OF SHOP DRAWINGS OR SKETCHES DETAILING THE EXISTING CONDITIONS AND THE PROPOSED CHANGE.

6) ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED RECOMMENDATIONS FOR SERVICE INTENDED, AS INTERPRETED BY THE ENGINEER. EXPERIENCED CRAFTSMEN SHALL MAKE THE INSTALLATION OF ALL EQUIPMENT IN A NEAT WORKMANSHIP LIKE MANNER. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, TOOLS, COST AND SERVICE NECESSARY TO COMPLETELY INSTALL ALL MECHANICAL WORK. ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE AS SCHEDULED OR APPROVED EQUAL.

7) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CONTROLS THAT WILL COMPLETELY ACCOMPLISH THE IMPLIED OR INTENDED FUNCTIONS OF THE CONTROL SYSTEM AS SHOWN OR INDICATED AND TIE INTO BUILDING ENERGY MANAGEMENT SYSTEM. AS A MINIMUM, THERMOSTATS SHALL HAVE TIMECLOCK SETBACK CAPABILITIES, 2-HOUR MANUAL OVERRIDE OR OCCUPANCY SENSOR, AND 10-HOUR BACKUP OF SETTINGS.

8) COORDINATE EXACT THERMOSTAT LOCATION WITH MILLWORK/FURNITURE AND ARCHITECT PRIOR TO INSTALLATION. DO NOT INSTALL THERMOSTAT ABOVE DIMMER.

9) INSTALLATION OF OR CONNECTION TO A PNEUMATIC CONTROL SYSTEM SHALL BE TYPE K HARD DRAWN COPPER. CONTROL PIPING MAY BE POLYETHYLENE TUBING CONCEALED IN WALLS. IF PNEUMATIC CONTROLS ARE USED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE ADEQUACY OF SOURCE SUPPLIED COMPRESSED AIR AND THE INSTRUMENT QUALITY TO PROVIDE A COMPLETE AND WORKING CONTROL SYSTEM AS INDICATED.

10) PROPERLY SUPPORT ALL EQUIPMENT AND PIPING WITHIN THE BUILDING AND PROVIDE ADEQUATE PROVISIONS FOR SLOPE AND ANCHORAGE. CONTRACTOR SHALL USE HANGERS, RODS AND INSERTS APPROVED BY UNDERWRITERS LABORATORIES FOR THE SERVICE INTENDED, SECURELY SUPPORTED BY STRUCTURAL MEMBERS WHICH IN TURN ARE SUPPORTED DIRECTLY FROM THE BUILDING STRUCTURE.

11) ALL LIGHT-LINED DUCTWORK IS EXISTING. ALL HEAVY-LINE DUCTWORK IS NEW OR EXISTING RELOCATED. ALL DASHED LINE DUCTWORK IS TO BE RELOCATED OR DEMOLISHED.

12) PROVIDE VIBRATION ISOLATION FOR MOTOR DRIVEN MECHANICAL EQUIPMENT.

13) ALL FANS SHALL CARRY THE CERTIFIED RATING SEAL AUTHORIZED BY AMCA.

14) PROVIDE FLEXIBLE DUCTWORK CONNECTIONS AT EQUIPMENT.

15) DUCTWORK SHALL BE CONSTRUCTED ACCORDING TO SMACNA STANDARDS. DUCT AND FIRE DAMPER SIZES SHOWN ARE AIRSTREAM DIMENSIONS. ALL LONGITUDINAL AND TRANSVERSE SEAMS AND DUCT CONNECTIONS SHALL BE SECURELY FASTENED AND SEALED WITH TAPES OR MASTICS MEETING UL 181A OR UL181B, WELDS, OR GASKETS.

16) INSULATE NEW SUPPLY AND RETURN DUCTWORK AND PLENUM'S WITH EITHER EXTERNAL INSULATION TYPE IV DUCT WRAP OR INTERNAL DUCT LINER, 1.5 PCF MINIMUM DENSITY. (SIZES SHOWN ARE AIRSTREAM DIMENSIONS.) DUCTWORK AND PLENUM'S WITHIN UNCONDITIONED SPACES SHALL HAVE MINIMUM R-5 INSULATION. EXTERIOR DUCTWORK SHALL HAVE MINIMUM R-8 INSULATION.

17) DIFFUSERS, REGISTERS AND GRILLES SHALL BE BUILDING STANDARD UNLESS NOTED OTHERWISE AND SHALL BE PROVIDE WITH FRAMES COMPATIBLE WITH CEILING TYPE. DO NOT SPAN AIR DEVICES OVER PARTITIONS.

18) PROVIDE AN AIR BALANCING DEVICE FOR EACH SUPPLY AIR OUTLET AND ZONE TERMINAL DEVICE. PROVIDE YOUNG REGULATORS WITH BOWDEN CABLE CONTROL FOR ALL DAMPERS ABOVE INACCESSIBLE CEILING. COORDINATE EXACT LOCATION OF ESCUTCHEONS IN CEILING WITH ARCHITECT PRIOR TO INSTALLATION.

19) EXISTING INACTIVE PERIMETER SLOT TO REMAIN OPEN FOR RETURN AIR.

20) NO FLEX DUCT RUNS OVER SIX (6) FEET SHALL BE ALLOWED.

21) ALL WALLS MUST INCORPORATE A RETURN AIR TRANSFER. CONTRACTOR TO VERIFY RETURN AIR PATH. OPENING SIZED FOR A MAXIMUM OF 500 FPM UNLESS NOTED OTHERWISE.

22) COORDINATE NEW WALLS TO DECK WITH EXISTING DUCTWORK AND EXISTING TERMINAL UNITS.

23) BALANCING OF WATER AND AIR SYSTEMS SHALL BE PROVIDED UNDER THIS CONTRACT FOR ALL SYSTEMS WITHIN TENANT BORDERS AND ADJACENT AREAS THAT MAY BE AFFECTED BY BALANCING FOR THIS TENANT. BALANCING CONTRACTOR TO REVIEW DRAWINGS AND NOTIFY THE CONTRACTOR OF APPURTENANCES NEEDED FOR A PROPERLY BALANCED SYSTEM. TEST AND BALANCE CONTRACTOR TO BE T.A.B. CO.

24) PROVIDE NEBB CERTIFIED AIR BALANCE REPORT.

25) COLD AND HOT WATER PIPING SHALL BE TYPE L HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS.

26) CHILLED OR CONDENSER WATER PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE OR TYPE L HARD DRAWN WROUGHT COPPER PER BUILDING STANDARD OR AS INDICATED ON DRAWINGS.

27) INSULATE CHILLED WATER <=1.5"ø (1" THICK) AND >1.5"ø (1.5" THICK), CONDENSER WATER AND CONDENSATE DRAIN LINES (1" THICK), DOMESTIC HOT WATER AND RECIRCULATION LINES (1" THICK), AND DOMESTIC COLD WATER LINES (1/2" THICK) WITH OWENS CORNING FIBERGLASS 25 ASJ, JOHNS-MANVILLE AP OR APPROVED EQUAL, SEALED TO PREVENT SWEATING AND CONTINUOUS THROUGH WALLS, FLOORS, CEILINGS.

28) SOIL, WASTE, AND DRAIN PIPING, 2" AND LARGER, SHALL BE SERVICE WEIGHT CAST IRON. WASTE PIPING BELOW THE SLAB SHALL HAVE BELL & SPIGOT FITTING WITH TY-SEAL JOINTS. CAST IRON PIPING ABOVE THE SLAB SHALL HAVE 'NO-HUB' FITTINGS. CAST IRON WITH PROPER CAST IRON FITTINGS. VENT PIPING MAY BE SCHEDULE 40 GALVANIZED STEEL, DWV COPPER OR SERVICE WEIGHT CAST IRON.

29) ALL VALVES SHALL BE RATED FOR 200 POUNDS WOG (WATER OIL GAS).ILIT

30) TEST PLUGS SHALL BE PROVIDED AT EACH COIL SUPPLY AND RETURN LINES.

31) IN-LINE CIRCULATION PUMPS SHALL BE CENTRIFUGAL IN-LINE ALL BRONZE, MECHANICAL SEAL. ARMSTRONG, PACO, BELL AND GOSSETT OR APPROVED EQUAL.

32) HOT WATER CIRCULATING SYSTEMS OR HOT WATER HEAT TRACE SHALL HAVE TIMECLOCK CAPABLE CONTROL.

33) PLUMBING FIXTURES AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED COMPLETE WITH TRIM AND ALL OTHER APPURTENANCES REQUIRED TO CONNECT TO ROUGH-IN PIPING AT FLOORS AND WALLS UNLESS OTHERWISE SPECIFIED.

34) WATER HEATING EQUIPMENT WITHOUT INTEGRAL HEAT TRAPS WILL HAVE HEAT TRAPS INSTALLED ON THE SUPPLY AND DISCHARGE PIPING.

35) PROVIDE NFPA 13 AND CITY APPROVED SPRINKLER SYSTEM FOR TENANT SPACES. SUBMIT LAYOUT TO ENGINEER FOR APPROVAL. CONTRACTOR TO COORDINATE WITH ALL TRADES.

36) EXISTING EQUIPMENT NOTES:
A. CONTRACTOR SHALL INSPECT EXISTING PLUMBING AND HVAC EQUIPMENT PRIOR TO SUBMITTING HIS BID.
B. CONTRACTOR SHALL INCLUDE IN HIS BID A THOROUGH START-UP SERVICING AND CLEANING OF ALL EXISTING EQUIPMENT. PLACE ALL EXISTING SYSTEMS/EQUIPMENT IN PROPER OPERATING ORDER.
C. IF REPAIRS ARE NECESSARY TO PLACE EXISTING EQUIPMENT IN WORKING ORDER, PROVIDE OWNER WITH A DETAILED WRITTEN REPORT OF NECESSARY REPAIRS AND A COST PROPOSAL TO PERFORM THE WORK. ALL SUCH SERVICE REPORTS SHALL BE DELIVERED TO THE OWNER WITHIN TWO DAYS OF NOTICE TO PROCEED. OWNER RESERVES THE RIGHT TO HAVE ANY REQUIRED REPAIRS DONE BY OTHERS AND TO SEEK OTHER OPINIONS OR REQUIRED REPAIRS.

37) PROVIDE INSTALLATION, OPERATION AND MAINTENANCE MANUALS TO THE OWNER.

GENERAL ELECTRICAL NOTES:

1) PROVIDE DISCONNECT SWITCH FOR EACH 3 PHASE MOTOR, FUSED OR NON-FUSED AS REQUIRED. EQUAL TO GENERAL ELECTRIC TYPE TH. PROVIDE TOGGLE SWITCH FOR EACH SINGLE PHASE FRACTIONAL HORSEPOWER MOTOR.

2) PROVIDE ALL LIGHT FIXTURES WITH LAMPS AS SHOWN, COMPLETELY WIRED AND SECURELY ATTACHED TO SUPPORTS INDEPENDENT OF CEILING SYSTEM INCLUDING ALL NECESSARY ACCESSORIES.

3) FUSES SHALL BE OF THE AMPERE RATINGS INDICATED ON THE DRAWINGS AND SHALL HAVE A VOLTAGE RATING EQUAL TO, OR GREATER THAN, THE VOLTAGE AT THE POINT OF APPLICATION.

4) PROVIDE COMPLETE RACEWAY SYSTEM FOR ALL WIRING UNLESS SPECIFICALLY NOTED OTHERWISE. THIS INCLUDES, BUT IS NOT LIMITED TO, FEEDERS, BRANCH CIRCUIT WIRING, CONTROL WIRING, AND AUXILIARY SYSTEMS WIRING. CONCEAL ALL RACEWAY IN CEILINGS, WALLS, AND FLOORS, EXCEPT IN MECHANICAL/ELECTRICAL EQUIPMENT ROOMS AND JANITOR'S CLOSETS WHERE RACEWAYS SERVING MECHANICAL/ELECTRICAL EQUIPMENT AND LIGHTING FIXTURES MAY BE EXPOSED. INSTALL RACEWAYS AT LEAST 8" AWAY FROM ANY HEAT PRODUCING ITEMS. PROVIDE ADEQUATE AND STURDY SUPPORT FOR ALL PARTS OF RACEWAY SYSTEM. INSTALL NYLON CORD IN ALL EMPTY ELECTRICAL RACEWAYS AND IN TELEPHONE RACEWAYS.

5) RIGID GALVANIZED STEEL, RIGID ALUMINUM, OR STEEL EMT (WITH SET SCREW FITTINGS) SHALL BE INSTALLED IN CEILING CAVITIES, IN EXPOSED FLOOR OR ROOF STRUCTURE AREAS, OR IN DRY WALL CONSTRUCTION WHERE ALLOWED BY CODES. MINIMUM SIZE OF CONDUIT SHALL BE 1/2", EXCEPT THAT HOME RUN CONDUITS SHALL BE 3/4" OR LARGER AS REQUIRED.

6) IT IS THE INTENT AND MEANING OF THE CONTRACT DOCUMENTS THAT THE CONTRACTOR SHALL PROVIDE AN ELECTRICAL INSTALLATION THAT IS COMPLETE AND ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLE INCIDENTAL, OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN.

7) ELECTRICAL CONTRACTOR SHALL GANG TOGETHER ALL SWITCHES UNDER ONE COVER PLATE IN ALL AREAS THAT REQUIRE MORE THAN ONE SWITCH TO CONTROL ELECTRICAL DEVICES.

8) PROVIDE FIRE ALARM SYSTEM COMPLETE WITH SPEAKERS & STROBES TO MEET BUILDING STANDARDS AND ALL CODES. CONNECT ALL SMOKE DETECTORS TO BUILDING FIRE ALARM SYSTEM. INCLUDE ALL NECESSARY MODIFICATIONS, EQUIPMENT, TESTING AND RELATED WORK AS REQUIRED FOR THE ADDITIONS AND MODIFICATIONS TO THE BUILDING FIRE ALARM SYSTEM REQUIRED BY THIS CONTRACT FOR A COMPLETE SYSTEM.

9) CONTRACTOR SHALL COORDINATE ALL MECHANICAL AND PLUMBING EQUIPMENT, SIZES AND LOCATIONS WITH MECHANICAL/PLUMBING DRAWINGS AND SPECIFICATIONS. PROVIDE REQUIRED ELECTRICAL DISCONNECT SWITCHES, FUSES, CIRCUIT BREAKERS, BRANCH CIRCUITS, CONTROL CONDUIT AND WIRE REQUIRED FOR PROPER OPERATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL MATERIALS AND LABOR TO INSTALL FULLY FUNCTIONAL SYSTEMS IN ACCORDANCE WITH THE INTENT DISPLAYED IN THESE DOCUMENTS AND TO COMPLY WITH ALL CODES.

10) INSTALL WALL LIGHTING FIXTURES, WALL SWITCHES, WALL OUTLETS, AND WALL MOUNTED EQUIPMENT FOR PROPER SIGNAL AND COMMUNICATIONS, IN STRICT COORDINATION WITH DETAILS, SECTIONS, ELEVATIONS AND ROOM FINISHES SHOWN ON ARCHITECTURAL DRAWINGS. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL CONDUIT REQUIREMENTS.

11) PROVIDE ALL EQUIPMENT MATERIALS, LABOR, SUPERVISION AND SERVICES NECESSARY FOR OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATING ELECTRICAL SYSTEM AS SHOWN OR INDICATED ON THE DRAWINGS AND/OR AS SPECIFIED. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO PROTECT ALL EXISTING OPERATIONS AND PROPERTY ADJACENT, WITH WHICH WORK COMES IN CONTACT, OR OVER WHICH HE MAY TRANSPORT, HOIST OR MOVE MATERIALS, EQUIPMENT, DEBRIS, ETC. AND SHALL REPAIR SATISFACTORILY ALL DAMAGE CAUSED BY HIM DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE WITH NEW MATERIALS AND/OR EQUIPMENT FAILING TO GIVE SATISFACTORY SERVICE DURING THE GUARANTEE PERIOD. THE CONTRACTOR SHALL COORDINATE AND NOTIFY THE BUILDING OWNER AND OPERATOR FOR APPROVAL AND SCHEDULING OF ANY BUILDING OR EXISTING TENANT SYSTEM INTERRUPTION.

12) ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED RECOMMENDATIONS FOR SERVICE INTENDED, AS INTERPRETED BY THE ENGINEER. THE INSTALLATION OF ALL EQUIPMENT SHALL BE MADE BY EXPERIENCED CRAFTSMEN IN A NEAT WORKMANLIKE MANNER. ALL MATERIALS, TOOLS, COSTS AND SERVICES NECESSARY TO COMPLETELY INSTALL ALL ELECTRICAL WORK SHALL BE FURNISHED BY THE CONTRACTOR.

13) MATERIALS AND WORKMANSHIP SHALL COMPLY WITH CONTRACT DOCUMENTS AND APPLICABLE CODES AND STANDARDS. IN CASE OF DIFFERENCE BETWEEN APPLICABLE CODES AND STANDARDS AND THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE A/E AND THE OWNER IN WRITING OF SUCH DIFFERENCE. SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH THE REQUIREMENTS OF APPLICABLE CODES AND STANDARDS, HE SHALL BEAR ALL COST ARISING IN CORRECTING SUCH DEFECTS. APPLICABLE CODES AND STANDARDS SHALL INCLUDE ALL ORDINANCES, UTILITY COMPANY REQUIREMENTS, AND APPLICABLE REQUIREMENTS OF NATIONALLY ACCEPTED CODES AND STANDARDS.

14) THE CONTRACTOR SHALL VISIT THE PREMISES TO THOROUGHLY FAMILIARIZE HIMSELF DURING THE BIDDING TIME, WITH ALL DETAILS OF THE WORK, CONDITIONS AND DIMENSIONS IN THE FIELD, AND SHALL ADVISE THE A/E AND THE OWNER OF ANY DISCREPANCY DURING THE BIDDING AND PERFORMING ANY WORK.

15) PROVIDE PULL BOXES, JUNCTION BOXES, WIRING TROUGHS, AND CABINETS WHEREVER NECESSARY FOR PROPER INSTALLATION OF VARIOUS ELECTRICAL SYSTEMS.

16) PROVIDE OUTLET BOXES FOR ALL SWITCHES, LIGHT FIXTURES, RECEPTACLES, AND THE VARIOUS OTHER OUTLETS SHOWN.

17) GROUNDING SHALL COMPLY WITH NEC AND LOCAL CODE REQUIREMENTS.

18) PROVIDE ALL TELEPHONE CONDUIT, OUTLET BOXES, TERMINAL BOARDS, SLEEVES, ETC. AS INDICATED ON DRAWINGS. PROVIDE RACEWAY SYSTEM AS DESCRIBED ON THE DRAWINGS, OR AS SPECIFICALLY DIRECTED BY THE TELEPHONE CONSULTANT ON THE JOB SITE.

19) PROVIDE MOTOR STARTERS FOR ALL MOTORS 1HP OR LARGER. PROVIDE MOTOR RATED SWITCHES FOR ALL MOTORS SMALLER THAN 1HP.

20) ALL CEILING MOUNTED ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTIVE CEILING PLANS. IF LOCATION FOR AN ITEM IS NOT SHOWN ON THE ARCHITECTURAL REFLECTIVE CEILING PLANS, VERIFY THE EXACT LOCATION OF THE ITEM WITH THE ARCHITECT PRIOR TO INSTALLATION.

21) REFER TO ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS FOR GUIDANCE AND VERIFICATION OF DIMENSIONS, CEILING HEIGHTS, DOOR SWINGS, ROOM FINISHES AND LOCATION OF DUCTWORK, PIPES, STRUCTURAL STEEL, EQUIPMENT, CABINET WORK AND FURNITURE.

22) DIVISION 16 CONTRACTOR SHALL PROVIDE 3/4" CONDUIT WITH PULL WIRE FROM TELEPHONE/COMMUNICATIONS OUTLET TO ACCESSIBLE CEILING SPACE WHEN PLENUM RATED, CODE APPROVED TELEPHONE/COMMUNICATIONS CABLES ARE INSTALLED.

23) PROVIDE A COMPLETE SYSTEM OF CONDUCTORS IN ALL RACEWAY SYSTEMS. NO CONDUCTORS ARE TO BE INSTALLED IN TELEPHONE CONDUITS. BUILDING WIRE SHALL BE SOFT DRAWN ANNEALED COPPER, 98% CONDUCTIVITY CONTINUOUS FROM OUTLET TO OUTLET. MINIMUM WIRE SIZES SHALL BE #12 EXCEPT CIRCUITS OF 120/208 VOLTS EXCEEDING 75 FEET AND CIRCUITS OF 277/480 VOLTS EXCEEDING 150 FEET SHALL BE #10 MINIMUM. MINIMUM WIRE SIZE FOR CONTROL WIRE SHALL BE #14. MAKE ALL CONNECTIONS WITH U.L. APPROVED SOLDERLESS PRESSURE TYPE INSULATED CONNECTORS: SCOTCH LOCK OR AN APPROVED EQUAL.

24) PROVIDE DUCT MOUNTED SMOKE DETECTOR IN THE SUPPLY AND RETURN SIDE OF ALL AIR HANDLING UNITS WITH 2000 CFM CAPACITY OR GREATER. INSTALL ALL DUCT MOUNTED DETECTORS IN ACCORDANCE WITH NFPA 72 AND NFPA 90A-14.

25) PROVIDE U.L. LABELED, TWO WINDING, DRY TYPE TRANSFORMERS WITH RATINGS AS INDICATED ON THE DRAWINGS.

26) ALL NEW DISTRIBUTION EQUIPMENT SHALL MATCH EXISTING BASE BUILDING STANDARDS. COORDINATE EXACT LOCATIONS OF ALL NEW EQUIPMENT WITH BUILDING ENGINEER PRIOR TO INSTALLATION. ALL NEW PANELBOARDS SHALL HAVE A COPPER BUS.

27) ALL FINISHES FOR DEVICES SHALL BE SELECTED BY ARCHITECT. ALL WIRING DEVICES MUST BE SUITABLE FOR USE INTENDED AND HAVE VOLTAGE AND CURRENT RATINGS ADEQUATE FOR LOADS SERVED. ALL RECEPTACLES SHALL HAVE A GROUNDED POLE. DEVICE SPECIFICATIONS SHALL MATCH BASE BUILDING STANDARD, UNLESS SPECIFIED OTHERWISE ON PLANS.

28) ALL FLUSH MOUNTED FLOOR DUPLEX OUTLETS SHALL BE WALKER #RC3 POKE-THRU OR APPROVED EQUAL.

29) ALL FLUSH MOUNTED FLOOR QUADRAPLEX OUTLETS SHALL BE WALKER #RC4 POKE-THRU OR APPROVED EQUAL.

30) FOR FURNITURE FEEDS SHOWING (2) FLOOR DEVICES, BOXES SHALL BE WALKER #RC7FFTC FOR POWER AND WALKER #RC9AM2TC FOR TELE/DATA OR APPROVED EQUALS. FOR FURNITURE FEEDS SHOWING (1) FLOOR DEVICE, BOX SHALL BE WALKER #RC9FFTC FOR POWER AND TELE/DATA OR APPROVED EQUAL.

31) ALL FLUSH MOUNTED FLOOR BOXES FOR SLAB ON GRADE APPLICATIONS SHALL BE WALKER OMNIBOX #880CS3-1 OR APPROVED EQUAL.

32) PENETRATIONS OF WALLS, FLOORS AND ROOFS FOR THE PASSAGE OF ELECTRICAL RACEWAYS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. ALL SUCH PENETRATIONS SHALL BE PROPERLY SEALED OFF AFTER INSTALLATION OF RACEWAYS SO AS TO MAINTAIN THE STRUCTURAL, WATER PROOF AND FIRE PROOF INTEGRITY OF THE WALL, FLOOR OF ROOF SYSTEM PENETRATED.

33) BRANCH CIRCUITS FROM PANELBOARDS ARE PROTECTED BY 1P/20 AMP CIRCUIT BREAKERS UNLESS OTHERWISE NOTED. WHERE CIRCUITS ARE PROTECTED BY ANOTHER SIZE CIRCUIT BREAKER, THE TRIP RATING AND NUMBER OF POLES ARE SHOWN ADJACENT TO CIRCUIT NUMBERS ON THE DRAWINGS.

34) WHERE WIRE SIZE AND CONDUIT SIZE ARE SHOWN ON PART OF A BRANCH CIRCUIT, THE WIRE AND CONDUIT SIZE DO NOT CHANGE ON OTHER PARTS OF THE CIRCUIT (UNLESS OTHERWISE NOTED).

35) CONTRACT SHALL CONFORM TO BASE BUILDING SPECIFICATIONS AND REQUIREMENTS (UNLESS OTHERWISE NOTED).

36) ALL CIRCUIT BREAKERS SERVING HVAC EQUIPMENT SHALL BE RATED "HACR".

37) ALL RECEPTACLES INSTALLED WITHIN 6' OF A SINK OR IN ANY OTHER WET LOCATION SHALL BE RATED 'GFI'.

38) ALL RECEPTACLES INSTALLED OUTDOORS SHALL BE RATED 'GFI' AND 'WP'.

39) CONTRACTOR TO DISCONNECT AND REMOVE ALL UNUSED CONDUIT AND WIRING BACK TO THE ELECTRICAL PANEL ON CIRCUITRY THAT IS BEING DEMOLISHED.

40) TENANT AND/OR TELE/DATA CONSULTANT SHALL VERIFY TELE/DATA CAPACITY REQUIREMENTS OF ALL FLOOR MOUNTED DEVICES. PROVIDE ADDITIONAL DEVICES AS REQUIRED.

41) CONNECT ALL EMERGENCY FIXTURES AND EXIT SIGNS TO EXISTING BASE BUILDING EMERGENCY CIRCUITS. VERIFY MAXIMUM OF 16A PER CIRCUIT. IF NO EMERGENCY CIRCUITS ARE PRESENT, INSTALL BATTERY PACKS IN ALL EMERGENCY FIXTURES AND EXIT SIGNS. WIRE AHEAD OF SWITCH.

42) REFER TO ARCHITECTURAL PLANS FOR LIGHT FIXTURE SPECIFICATIONS AND EXACT LOCATIONS OF ALL LIGHT FIXTURES. MEP LIGHTING PLAN IS FOR CIRCUITING AND LIFE SAFETY ONLY.

43) REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL POWER/DATA/TELE RECEPTACLES. MEP POWER PLAN IS FOR CIRCUITING AND LIFE SAFETY ONLY.

44) AT ALL CRAC EQUIPMENT LOCATIONS, LOCAL DISCONNECTS ARE PROVIDED WITH CRAC EQUIPMENT.

45) ALL SURFACE MOUNTED ELECTRICAL RACEWAY SHALL BE EXTRUDED ALUMINUM OR APPROVED EQUAL. COORDINATE FINISH AND MOUNTING WITH ARCHITECT. RACEWAYS SHALL HAVE A DIVIDER FOR SEPARATION OF POWER AND DATA/TELE WIRING AND SHALL BE PROPERLY SIZED PER THE NEC FOR THE QUANTITY OF WIRING BEING ROUTED THROUGH THE RACEWAY.

46) CONTRACTOR TO PROVIDE CONTROL POWER FOR ALL VAV BOXES/DAMPERS/ETC. AS REQUIRED TO ENSURE A COMPLETE, WORKABLE HVAC SYSTEM. PROVIDE POWER FROM EITHER NEAREST 120V GENERAL PURPOSE CIRCUIT OR FROM BUILDING CONTROL POWER DISTRIBUTION SYSTEM. COORDINATE WITH MECHANICAL DRAWINGS. MATCH BASE BUILDING STANDARDS FOR CONTROL SYSTEM CONNECTIONS. COORDINATE WITH BUILDING ENGINEER.

47) CONTRACTOR TO ROUTE ALL LIGHTING CIRCUITS THROUGH BASE BUILDING ENERGY MANAGEMENT SYSTEM (IF APPLICABLE). COORDINATE EXACT REQUIREMENTS WITH BUILDING ENGINEER. COORDINATE ROUTING OF ANY NEW NON-COMPUTER ROOM HVAC CIRCUITRY THROUGH ENERGY MANAGEMENT SYSTEM WITH BUILDING ENGINEER (IF APPLICABLE).

48) FOR ANY NEW DISTRIBUTION OR HVAC EQUIPMENT INSTALLED, CONTRACTOR TO COORDINATE WITH BUILDING MANAGEMENT FOR METERING REQUIREMENTS OF NEW EQUIPMENT. INSTALL NEW KWH METERS AS DIRECTED BY BUILDING MANAGEMENT. COORDINATE EXACT LOCATIONS OF NEW METERS WITH BUILDING ENGINEER PRIOR TO INSTALLATION.

49) CONTRACTOR SHALL UPDATE ALL AFFECTED PANEL SCHEDULES UPON COMPLETION OF PROJECT. SCHEDULES SHALL BE TYPED, PEN/PENCIL SCHEDULES ARE NOT ACCEPTABLE.

50) CONTRACTOR SHALL INSTALL ANY NEW DISTRIBUTION EQUIPMENT IN SUCH A FASHION AS TO MAXIMIZE WALL/FLOOR SPACE FOR FUTURE EQUIPMENT INSTALLATIONS.

51) COORDINATE EXACT LOCATIONS OF ALL SWITCHES AND SWITCHING PATTERNS WITH ARCHITECT PRIOR TO INSTALLATION.

52) IT SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO COORDINATE EXACT LOCATIONS AND QUANTITIES OF ALL FIRE ALARM DEVICES WITH LOCAL FIRE ALARM OFFICIALS.

53) ALL 120V, 15A AND 20A RECEPTACLES LOCATED IN NON DWELLING UNIT KITCHENS AND BATHROOMS SHALL BE EQUIPPED WITH GFCI FOR PERSONNEL PROTECTION.

54) ALL CEILING MOUNTED OCCUPANCY SENSORS SHOWN AS SOLE SOURCE OF CONTROL SHALL BE PROVIDED WITH MANUAL OVER-RIDE SWITCH ON WALL. COORDINATE LOCATION WITH ARCHITECT.

55) EACH MULTIWIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH EITHER MULTI-PLOE BREAKER OR AN APPROVED BREAKER HANDLE TIE TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS OF THE MULTIWIRE BRANCH CIRCUIT WHERE THEY ORIGINATE.

ELECTRICAL SYMBOLS
(NOTE: ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS)

SYMBOL	DESCRIPTION
	DOWNLIGHT (SMALL CASE LETTER INDICATES SWITCH CONTROL)
	FLUORESCENT FIXTURE (CIRCUIT NO. 2, SMALL CASE LETTER INDICATES SWITCH CONTROL).
	FIXTURE ON NIGHT LIGHT OR EMERGENCY CIRCUIT.
	FLUORESCENT FIXTURE WITH CENTER LAMPS ON EMERGENCY CIRCUIT.
	EXIT SIGN (MATCH BASE BUILDING U.N.O.)
	EXISTING EXIT SIGN TO REMAIN
	JUNCTION BOX – SIZE IN ACCORDANCE WITH NEC FOR SPECIFIC APPLICATION
	ELECTRICAL CONNECTION TO EQUIPMENT SHOWN. FURNISH ALL APPURTENANCES REQUIRED FOR PROPER TERMINATION.
xxxx	EXISTING GRID (J-BOX) ABOVE CEILING FOR TENANT USE
	SPECIAL RECEPTACLE (COORDINATE REQUIREMENTS WITH EQUIPMENT MANUF.)
	SPEAKER, FLUSH MOUNTED IN CEILING UNLESS NOTED OTHERWISE; 'F' INDICATES FIRE ALARM. COORDINATE FINISH WITH ARCHITECT.
	FIRE ALARM SPEAKER – 'E' INDICATES EXISTING
	ADA FIRE ALARM VISUAL DEVICE MOUNTED PER ADA REQ'MTS (MATCH BUILDING STANDARD) COORDINATE FINISH WITH ARCHITECT.
	HORN OR BELL, FLUSH MOUNTED (UNLESS NOTED OTHERWISE); 'F' IN SQUARE INDICATES ON FIRE ALARM SYSTEM, 'WP' INDICATES OUTDOOR TYPE, SOLID TRIANGLE INDICATES HORN WITH LIGHT ASSEMBLY (MATCH BUILDING STANDARD)
	MANUAL FIRE ALARM STATION, FLUSH MOUNTED
	SMOKE DETECTOR, PHOTOELECTRIC WITH 135 F THERMAL DETECTOR; 'D' INDICATES DUCT TYPE
	IONIZATION DETECTOR WITH 135 F THERMAL DETECTOR; 'D' INDICATES DUCT TYPE
	THERMAL DETECTOR, COMBINATION FIXED TEMPERATURE AND RATE OF RISE; 'D' INDICATES DUCT TYPE
$	SINGLE POLE SWITCH
$2	TWO POLE SWITCH
$3	THREE WAY SWITCH
$4	FOUR WAY SWITCH
$D	DIMMER SWITCH
$PL	20A.-120/277V.-S.P. SWITCH; 'PL' INDICATES PILOT LIGHT
$WP	'WP' INDICATES WEATHERPROOF SWITCH
$K	'K' INDICATES KEY OPERATED SWITCH
$MO	'MO' INDICATES SPDT MOMENTARY CONTACT SWITCH
$M	MANUAL MOTOR CONTROLLER, MOTOR RATED
	MAGNETIC MOTOR CONTROLLER; SIZE PER N.E.M.A. STANDARDS; CONTROL DEVICE IN COVER AS INDICATED, SCHEDULED, OR AS SPECIFIED
	COMBINATION MOTOR STARTER & DISCONNECT
	NON-FUSED DISCONNECT SWITCH 'WP' INDICATES WEATHER PROOF, MOTOR RATED FOR MOTOR FEEDERS
	FUSED DISCONNECT SWITCH (EX. 60/40/3 = 60A RATED DISC., 40A FUSES, 3 PHASE) 'WP' INDICATES WEATHER PROOF, MOTOR RATED FOR MOTOR FEEDERS
	CONTACTOR; 30/3 INDICATES AMP. RATING/POLES; 600V. CONTACTS, FORM 2 (120V.) CONTROL AS SCHEDULED
	MOTOR
	LIGHTING OR POWER CIRCUITS; ARROW INDICATES HOME RUN
	CROSS MARKS INDICATES WIRES (SWITCH, HOT, NEUTRAL, GROUND, ISOLATED GROUND WIRE)
	MULTI-OUTLET ASSEMBLY
	PANELBOARD (250 VOLT AND BELOW)
	PANELBOARD (480 OR 600 VOLT)
	DRY-TYPE TRANSFORMER
	TELEPHONE CABINET OR BACKBOARD

REFER TO ARCHITECTURAL PLANS FOR POWER/DATA/TELE DEVICE LEGEND

PLUMBING SYMBOLS
(NOTE: ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS)

SYMBOL	DESCRIPTION
	SANITARY WASTE
SD	STORM DRAIN
OD	OVERFLOW STORM DRAIN
	PLUMBING VENT
	SUBSOIL DRAINAGE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
G	GAS LINE
F	FIRE LINE
FS	FIRE SPRINKLER PIPING
	EXISTING TO REMAIN
	EXISTING TO REMOVED
	GATE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	TEMP. & PRESS. RELIEF VALVE
	GAS COCK
	PRESS. REGULATING VALVE
	FLOW SWITCH
	FLOW CONTROL
	GAUGE COCK
	PRESS. GAUGE W/ GAUGE COCK
	THERMOMETER
"A"	SHOCK ABSORBER W/SIZE DESIGNATION
	UNION
	DIRECTION OF SLOPE
	DIRECTION OF SLOPE
	FLOOR DRAIN
R.D.	ROOF DRAIN
O.D.	OVERFLOW DRAIN
	CONNECTION TO EXISTING
	WALL HYDRANT
	HOSE BIBB.
	CAP
	CLEANOUT
	2-WAY CLEANOUT

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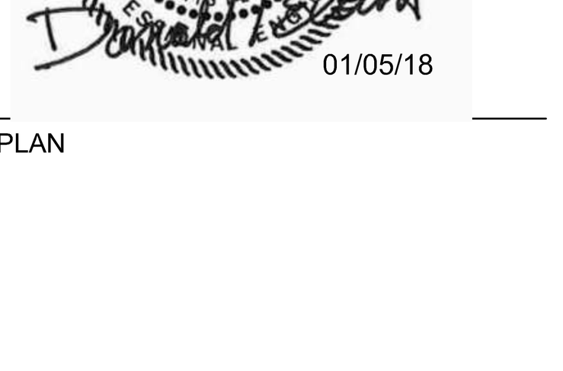
City of Weatherford, Texas

WEATHERFORD OLD CITY HALL RENOVATION PROJECT

119 Palo Pinto Street
Weatherford, TX 76086

CONSTRUCTION DOCUMENTS

SEAL



KEY PLAN

SCALE

1/16" = 1'-0"

No.	Description	Date

REVISIONS

DRAWN BY

APPROVED BY

CHECKED BY

DATE 01/05/18

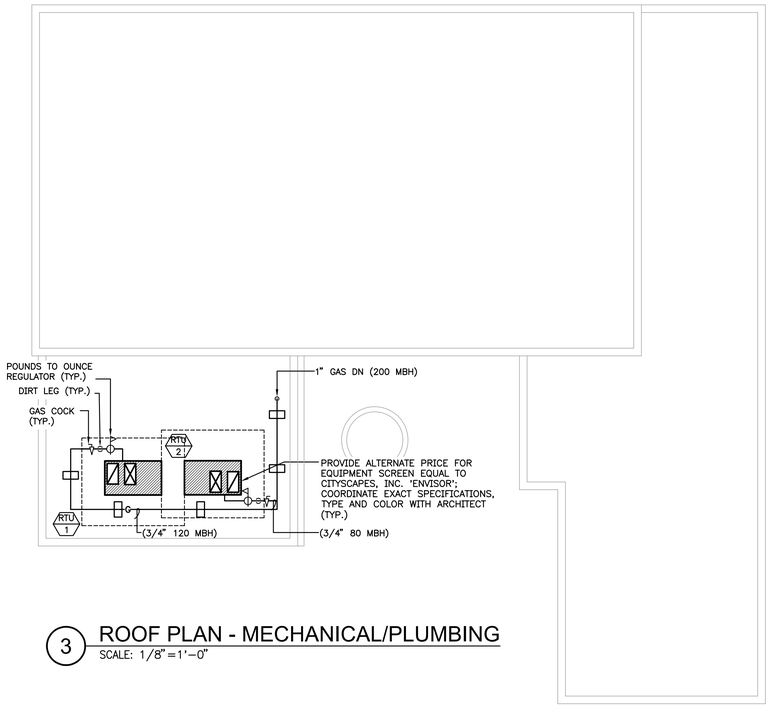
TITLE

COVER SHEET MEP

PROJECT NO. 50095393

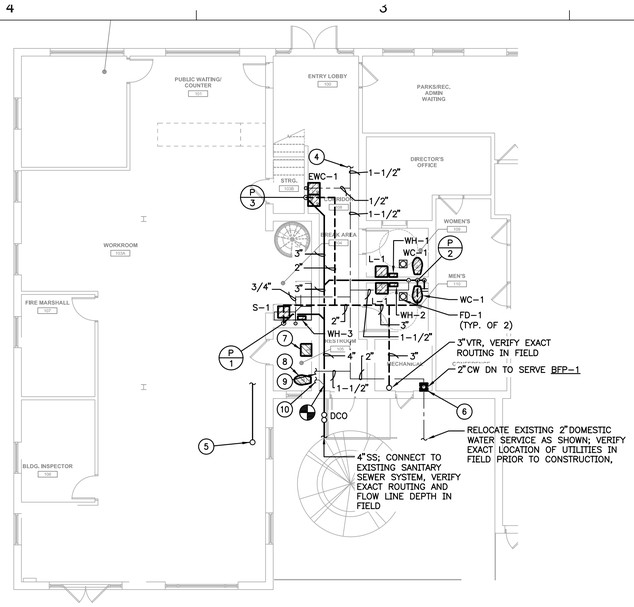
MEP

SHEET NO.



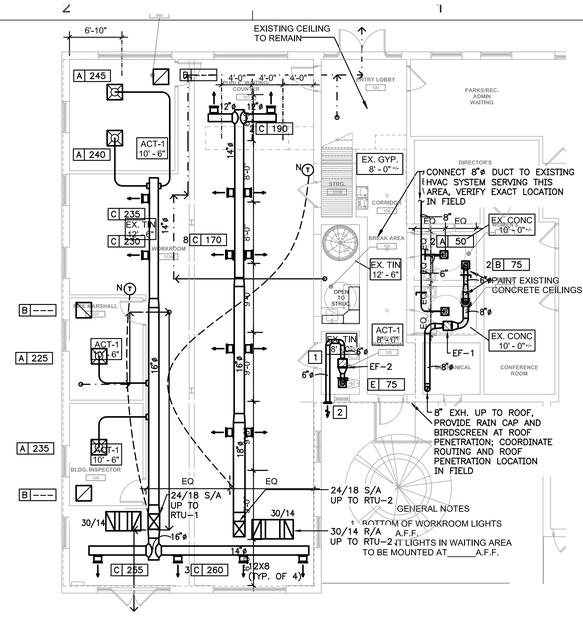
3 ROOF PLAN - MECHANICAL/PLUMBING

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



2 FIRST FLOOR PLAN - PLUMBING

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



1 FIRST FLOOR PLAN - MECHANICAL

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

THE EXISTING FIRE SPRINKLER PIPING SYSTEM SHALL BE UPDATED TO MAINTAIN A FULLY FUNCTIONING FIRE SUPPRESSION SYSTEM THAT SATISFIES THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION. THE FIRE SUPPRESSION SYSTEM SHALL BE LIGHT HAZARD UNLESS NOTED OTHERWISE. FIRE SPRINKLER PIPING AND SPRINKLER HEAD LOCATIONS SHALL BE REWORKED BY A QUALIFIED FIRE PROTECTION CONTRACTOR THAT SHALL DESIGN AND PREPARE PLANS FOR APPROVAL OF THE AUTHORITY HAVING JURISDICTION. THIS CONTRACTOR SHALL USE REFLECTED CEILING PLANS AS PREPARED BY THE ARCHITECT FOR HEAD LOCATIONS AND COORDINATION. THIS CONTRACTOR SHALL COORDINATE WITH ALL TRADES TO ALLOW ADEQUATE ABOVE CEILING WORKING CLEARANCES FOR EQUIPMENT, DUCTWORK, ELECTRICAL CONDUIT, LIGHT FIXTURES AND PLUMBING PIPING. SPRINKLER HEADS IN FINISHED AREAS SHALL BE CONCEALED TYPE WITH WHITE COVER PLATES OR CHROME PENDANT TYPE UNLESS NOTED OTHERWISE, COORDINATE EXACT SPRINKLER HEAD TYPE AND FINISHES WITH ARCHITECT. ALL HEADS TO BE CENTERED IN CEILING TILES. SPRINKLER HEADS IN UNFINISHED SPACES SHALL BE CHROME PENDANT TYPE.

PLUMBING GENERAL NOTES:

A. CONTRACTOR TO VISIT SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS, TO DETERMINE THE EXTENT OF DEMOLITION REQUIRED TO FACILITATE NEW CONSTRUCTION AND INCLUDE ALL SUCH WORK IN HIS/HER BID.

B. ALL ITEMS TO BE DEMOLISHED NOT SCHEDULED FOR REUSE SHALL BE TURNED OVER TO OWNER FOR SALVAGE AT HIS/HER DECISION. ANY ITEMS NOT RETAINED BY OWNER SHALL BE DISPOSED OF AT CONTRACTOR'S EXPENSE.

C. COORDINATE ALL DEMOLITION WITH ARCHITECT AND BUILDING MANAGEMENT.

D. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.

E. REFER TO ARCHITECTURAL DRAWING FOR PLUMBING FIXTURE TYPES AND SPECIFICATIONS. PROVIDE ALL STOP VALVES, SHUT-OFF VALVES, P-TRAPS, TAIL PIECES, TRAP PRIMERS, PISTON-TYPE WATER HAMMER ARRESTORS, ETC. AS REQUIRED FOR COMPLETE INSTALLATION. INSULATE ALL EXPOSED WASTE AND WATER LINES WITH 'PLUMBEREX PRO SERIES 2000' INSULATION KIT.

F. CORE-DRILL ALL HOLES IN SLAB AS REQUIRED FOR NEW PIPING. VERIFY ALLOWABLE CORE SIZE(S) AND EXACT LOCATION OF STRUCTURE BELOW FLOOR WITH STRUCTURAL ENGINEER BEFORE CORING FLOOR. DO NOT CUT ANY STRUCTURAL SUPPORTS. FLOOR MUST BE SEALED TO A WATER TIGHT CONDITION. IF THE EXISTING FLOOR SLAB IS A POST-TENSION TYPE SLAB, THE FLOOR SHALL BE X-RAYED PRIOR TO CORING ANY HOLES THROUGH FLOOR. DO NOT CUT ANY POST-TENSION CABLES WHEN CORING HOLES THROUGH FLOOR.

G. BUILDING SEWERS: BUILDING SEWERS SHALL BE PROVIDED WITH CLEANOUTS LOCATED NOT MORE THAN 75'-0" APART MEASURED FROM THE UPSTREAM ENTRANCE OF THE CLEANOUT.

H. CHANGES OF DIRECTION: CLEANOUTS SHALL BE INSTALLED AT EACH CHANGE OF DIRECTION OF THE BUILDING DRAIN HORIZONTAL WASTE OR SOIL LINES GREATER THAN 45 DEGREES. WHERE MORE THAN ONE CHANGE OF DIRECTION OCCURS IN A RUN OF PIPING, ONLY ONE CLEANOUT SHALL BE REQUIRED FOR EACH 40'-0" FEET OF DEVELOPED LENGTH OF THE DRAINAGE PIPING. ALL SEWER PIPING SHOWN ON THIS PLAN IS UNDERFLOOR UNLESS OTHERWISE NOTED.

I. CONCEALED PIPING: CLEANOUTS ON CONCEALED PIPING OR PIPING UNDER A FLOOR SLAB OR IN A CRAWL SPACE OF LESS THAN 24 INCHES IN HEIGHT OR A PLENUM SHALL BE EXTENDED THROUGH AND TERMINATE FLUSH WITH THE FINISHED WALL, FLOOR OR GROUND SURFACE OR SHALL BE EXTENDED TO THE OUTSIDE OF THE BUILDING. CLEANOUT PLUGS SHALL NOT BE COVERED WITH CEMENT, PLASTER OR ANY OTHER PERMANENT FINISH MATERIAL. WHERE IT IS NECESSARY TO CONCEAL A CLEANOUT OR TERMINATE A CLEANOUT IN AN AREA SUBJECT TO VEHICULAR TRAFFIC, COVER PLATE, ACCESS DOOR OR CLEANOUT SHALL BE OF AN APPROVED TYPE DESIGNED AND INSTALLED FOR THIS PURPOSE.

J. VERIFY MAXIMUM PRESSURE IS NOT IN EXCESS OF 55PSI. IF IT IS, PROVIDE AND INSTALL PRESSURE REDUCING VALVES ON THE NEW LINES TO PROVIDE A MAXIMUM PRESSURE OF 55 PSI TO THE NEW FIXTURES OR TO EXISTING FIXTURES BEING REWORKED.

K. ALL PLUMBING PIPE, FIXTURES AND FITTINGS SHALL BE LEAD FREE IN ACCORDANCE WITH THE "REDUCTION OF LEAD IN DRINKING WATER ACT" EFFECTIVE JANUARY 4, 2014.

L. ALL WASTE PIPE 2-1/2" AND SMALLER SHALL HAVE A SLOPE OF NOT LESS THAN ¼" PER FOOT; ALL WASTE PIPE 3" AND LARGER SHALL HAVE NOT LESS THAN ⅛" PER FOOT SLOPE.

M. PROVIDE AHJ APPROVED BACKFLOW PREVENTION DEVICE CONFORMING TO ASSE 1022 PRIOR TO ALL APPLIANCE AND EQUIPMENT CONNECTIONS TO DOMESTIC COLD WATER SYSTEM. PIPE BACKFLOW PREVENTION DEVICE ATMOSPHERIC DISCHARGE TO APPROVED DRAIN, CONNECT INDIRECTLY.

N. BREAKROOM UNDERCOUNTER FLOOR DRAIN SHALL BE J.R. SMITH MODEL 2005-A WITH FIG. 3590 SHORT OVAL FUNNEL.

O. PROVIDE STAINLESS STEEL FLEXIBLE BRAIDED CONNECTORS WITH SHUT-OFF VALVES TO SERVE ALL FIXTURES AND EQUIPMENT CONNECTED TO DOMESTIC WATER SUPPLY.

PLUMBING NOTES BY SYMBOL:

(D1) EXISTING PLUMBING FIXTURES TO BE REMOVED ALONG WITH ALL ASSOCIATED PIPING, EXISTING WATER HEATER, AND DRAINS. VALVE AND CAP DOMESTIC COLD AND DOMESTIC HOT WATER PIPING IN CEILING SPACE AT MAINS. CAP VENT PIPING IN CEILING SPACE AT MAINS. CUT AND CAP SANITARY BELOW FLOOR. PATCH ALL UNUSED EXISTING WALL AND FLOOR OPENINGS, REPAIR TO MATCH EXISTING. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.

(1) TANKLESS WATER HEATER BELOW COUNTER. LOCATE BEHIND ADA PANEL UNDER SINK. REFER TO TANKLESS WATER HEATER SCHEDULE. CLOSELY ADHERE TO ALL MANUFACTURER REQUIREMENTS REGARDING CW AND HW SUPPLY LINE SIZES AND THE USE OF A THREE WAY ANGLE STOP VALVE FOR EACH TANKLESS WATER HEATER.

(2) CONNECT NEW 3" WASTE, 2" VENT, AND ¾"CW LINES FROM NEW SINK TO NEAREST EXISTING TENANT PLUMBING PROVISIONS. VERIFY EXACT LOCATION OF EXISTING PLUMBING PRIOR TO BID. PROVIDE ¾"CW SHUT OFF VALVE ON TENANT CW LINE. PROVIDE A LINE SIZED VALVE AND CAP FOR FUTURE USE.

(3) PROVIDE 1/2" CW TO SERVE REFRIGERATOR, COFFEE MAKER, WATER DISPENSER AND ICE MACHINE. PROVIDE INDIVIDUAL ⅜" WATER LINE TO EACH APPLIANCE COMPLETE WITH OUTLET BOX, ¼" SHUT OFF VALVE, ¼" OUTLET AND WATER HAMMER ARRESTOR. COORDINATE OUTLET BOX ROUGH-IN HEIGHT WITH APPLIANCE MANUFACTURER REQUIREMENTS. PROVIDE AQUA-PURE ICE-140-S PART No. 56143-03 TO SERVE APPLIANCES. MOUNT HIGH TO ALLOW FOR FILTER REMOVAL.

(4) COORDINATE CONNECTION OF NEW 1-1/2" DOMESTIC COLD WATER TO EXISTING BASE BUILDING DOMESTIC COLD WATER SYSTEM, VERIFY LOCATION IN FIELD.

(5) 1" GAS PIPE ROUTED UP TO SERVE ROOFTOP EQUIPMENT; GAS LOAD EQUAL TO 200 MBH AT 2 PSI; COORDINATE EXACT LOCATION OF EXISTING GAS SERVICE PIPING AND EXISTING GAS METER LOCATION IN FIELD.

(6) PROVIDE 2" VERTICAL DOUBLE CHECK BACKFLOW PREVENTER EQUAL TO BFP-1 FOR DOMESTIC WATER SUPPLY LINE; ROUTE NEW 2" WATER LINE OUT TO SERVE EXISTING DOMESTIC WATER SYSTEM, VERIFY IN FIELD.

(7) EXISTING LAVATORY TO BE REMOVED AND SALVAGED FOR POSSIBLE RELOCATION/STORAGE. PROTECT PIPING DURING CONSTRUCTION. REWORK EXISTING PLUMBING PIPING AS REQUIRED TO ACCOMMODATE NEW LAVATORY (L-1). CONNECT NEW LAVATORY (L-1) TO EXISTING PLUMBING. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL DEMOLITION AND CONSTRUCTION NOTES. REPAIR ANY ABANDONED WALL AND FLOOR OPENINGS TO MATCH NEW CONSTRUCTION.

(8) EXISTING WATER CLOSET TO BE REMOVED AND SALVAGED FOR POSSIBLE RELOCATION/STORAGE. PROTECT PIPING DURING CONSTRUCTION. REWORK EXISTING PLUMBING PIPING AS REQUIRED TO ACCOMMODATE NEW WATER CLOSET (WC-1). CONNECT NEW WATER CLOSET (WC-1) TO EXISTING PLUMBING. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL DEMOLITION AND CONSTRUCTION NOTES. REPAIR ANY ABANDONED WALL AND FLOOR OPENINGS TO MATCH NEW CONSTRUCTION.

(9) PROVIDE 1-1/2"CW TO SERVE EXISTING RESTROOM, RECONNECT EXISTING PIPING SERVING RESTROOM TO NEW DOMESTIC WATER SYSTEM, VERIFY IN FIELD.

(10) RECONNECT EXISTING SANITARY SEWER SERVING EXISTING RESTROOM TO NEW SANITARY SEWER SYSTEM.

MECHANICAL GENERAL NOTES: (CONTINUED)

O. NOTIFY MEP ENGINEER OF ANY EXISTING DIFFUSER RUN OUTS, TAPS, OR DIFFUSER INLETS LESS THAN 8"ø.

P. CONTRACTOR TO VERIFY RETURN AIR PATH ACROSS WALLS AND BULKHEADS TO DECK, U.N.O. COORDINATE NEW RETURN AIR TRANSFER SIZE WITH MEP ENGINEER WHERE REQUIRED. 500 FPM MAXIMUM RETURN AIR VELOCITY.

Q. PLAN INDICATES APPROXIMATE LOCATIONS OF ALL REGISTERS, GRILLES, AND DIFFUSERS. COORDINATE EXACT LOCATIONS, COLOR, FINISH, AND BORDER TYPES WITH ARCHITECT.

MECHANICAL NOTES BY SYMBOL:

[1] PROVIDE 1/2" UNDERCUT AT DOOR.

[2] PROVIDE 12"X12" LOUVER EQUAL TO RUSKIN MODEL ELF375DX AT 10 FEET MIN. AFF, COMPLETE WITH BACKDRAFT DAMPER AND BIRDSCREEN. COORDINATE EXACT LOCATION, COLOR AND FINISH WITH ARCHITECT.

MECHANICAL GENERAL NOTES:

A. NOT ALL DUCTWORK, PIPING, AND ACCESSORIES ARE NECESSARILY SHOWN ON THIS DRAWING, BUT WHAT WAS DEEMED NECESSARY TO SHOW INTENT OF WORK INVOLVED IN THIS PROJECT. REFER TO ALL OTHER PLANS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS FOR COMPLETE SYSTEM REQUIREMENTS.

B. COORDINATE ALL PENETRATIONS OF FLOOR, ROOF, WALLS, ETC. WITH GENERAL CONTRACTOR. ALL PENETRATIONS THROUGH FIRE/SMOKE RATED CONSTRUCTION SHALL BE SEALED WITH A FIRE RATED CAULK EQUAL TO OR EXCEEDING THE CONSTRUCTION FIRE RATING.

C. ALL MATERIALS IN THE RETURN AIR PLENUM SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 25 AND A MAXIMUM SMOKE DEVELOPED RATING OF 50 IN ACCORDANCE WITH THE CURRENTLY ADOPTED EDITION OF THE INTERNATIONAL MECHANICAL CODE.

D. FLEXIBLE AIR DUCTS SHALL CONFORM TO UL181 IN ACCORDANCE WITH THE CURRENTLY ADOPTED EDITION OF THE INTERNATIONAL MECHANICAL CODE. LENGTH OF FLEX DUCT SHALL NOT EXCEED 5 FT.

E. ALL MECHANICAL EQUIPMENT SHALL BE LABELED AS TO THE AREA(S) SERVED IN ACCORDANCE WITH THE CURRENTLY ADOPTED EDITION OF THE INTERNATIONAL MECHANICAL CODE.

F. PROVIDE ACCESS DOORS OR OTHER MEANS OF APPROVED ACCESS TO ALL FIRE DAMPERS AND FIRE/SMOKE DAMPERS. ACCESS DOORS SHALL BE LABELED ON THE ACCESS DOOR AND ON THE CEILING BELOW.

G. PROVIDE AND INSTALL BALANCING DAMPER AT EACH BRANCH TAKE-OFF OF SUPPLY AND EXHAUST AIR SYSTEMS; PROVIDE AND INSTALL BALANCING DAMPER AT EACH BRANCH TAKE-OFF OF RETURN SYSTEMS WHERE INDICATED.

H. MOUNT SPACE TEMPERATURE SENSORS, THERMOSTATS, OCCUPANCY SENSORS, AND REMOTE CONTROL DEVICES WITH CENTERLINE AT 46" AFF UNLESS OTHER WISE INDICATED.

I. COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE ROOF ACCESS FOR MAINTENANCE OF ROOFTOP MECHANICAL EQUIPMENT.

J. COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE 120V OUTLET WITHIN 25 FT. OF ALL ROOFTOP AND EXTERIOR MECHANICAL EQUIPMENT.

K. ALL FRESH AIR INTAKES AND EXHAUST OPENINGS SHALL HAVE 1/2" MESH BIRD SCREENS, UNLESS NOTED OTHERWISE. ALL EXHAUST TERMINATIONS SHALL BE MINIMUM 10'-0" FROM ALL INTAKES

L. PROVIDE BALANCING REPORT IN ACCORDANCE WITH THE CURRENTLY ADOPTED EDITION OF THE INTERNATIONAL MECHANICAL CODE. SUBMIT TO THE ARCHITECT FOR FINAL APPROVAL. PROVIDE BALANCING REPORT TO INSPECTOR AT TIME OF FINAL INSPECTION.

M. DUCTWORK SHALL BE SEALED IN ACCORDANCE WITH THE SPECIFICATIONS AND THE CURRENTLY ADOPTED EDITION OF THE INTERNATIONAL ENERGY CONSERVATION CODE.

N. ALL DUCT IN AREAS WITH CEILINGS OPEN TO STRUCTURE TO BE INTERNALLY INSULATED DOUBLE WALL WITH PERFORATED INNER LINER. ALL SPIRAL DUCT TO BE SIMILAR TO UNITED MCGILL MODEL ACOUSTI-K27. ALL RECTANGULAR DUCT TO BE SIMILAR TO UNITED MCGILL MODEL RECTANGULAR-K27. COORDINATE EXTERIOR COLOR AND FINISH WITH ARCHITECT.

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City of Weatherford, Texas

WEATHERFORD OLD CITY HALL RENOVATION PROJECT

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CONSTRUCTION DOCUMENTS

SEAL

STATE OF TEXAS
JOSHUA GILBREATH
123109
LICENSED
PROFESSIONAL ENGINEER
01/05/18

KEY PLAN

SCALE

1/16" = 1'-0"

No.	Description	Date

REVISIONS

DRAWN BY
APPROVED BY
CHECKED BY
DATE 01/05/18

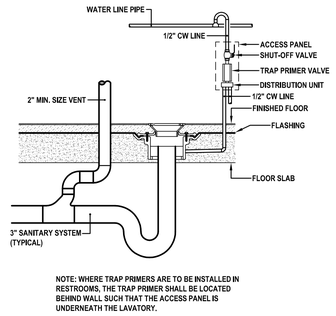
TITLE

FIRST FLOOR PLAN MECHANICAL PLUMBING

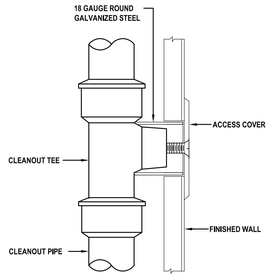
PROJECT NO. 50095393

MP-100

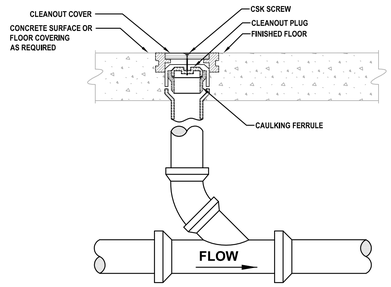
SHEET NO.



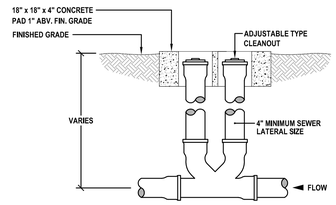
06 TYPICAL FLOOR DRAIN DETAIL
SCALE: NTS



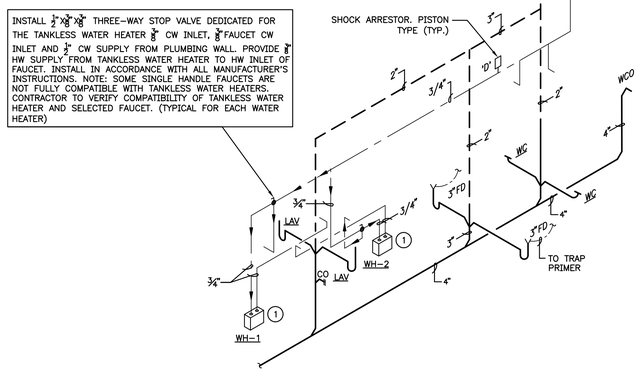
05 TYPICAL WALL CLEANOUT DETAIL
SCALE: NTS



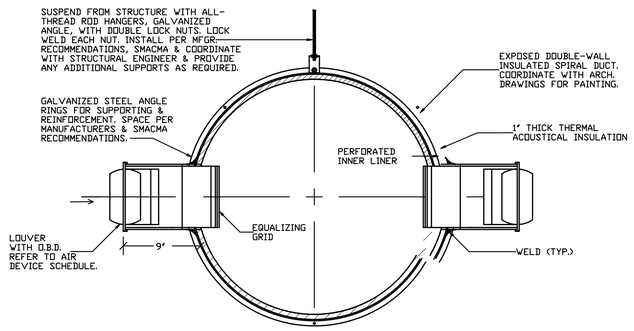
04 TYPICAL FLOOR CLEANOUT DETAIL
SCALE: NTS



03 TYPICAL DOUBLE CLEANOUT
SCALE: NTS



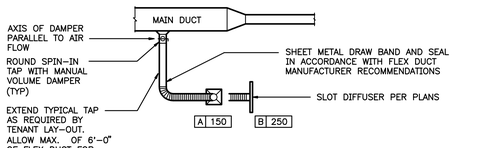
P2 PLUMBING RISER DIAGRAM
SCALE: NONE



02 DUCTWORK - EXPOSED ROUND AIR DISTRIBUTION
SCALE: NONE

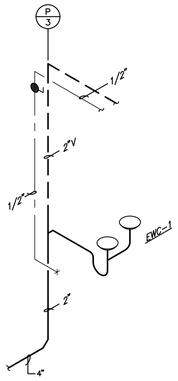
NEW RETURN GRILLE
NEW SUPPLY DIFFUSER
NEW SUPPLY SLOT DIFFUSER
NEW RETURN SLOT DIFFUSER

CEILING DIFFUSER RUNOUT SIZING	
RUNOUT / NECK SIZE	CFM RANGE
6"ø	SEE AIR DEVICE SCHEDULE
8"ø	SEE AIR DEVICE SCHEDULE
10"ø	SEE AIR DEVICE SCHEDULE
12"ø	SEE AIR DEVICE SCHEDULE

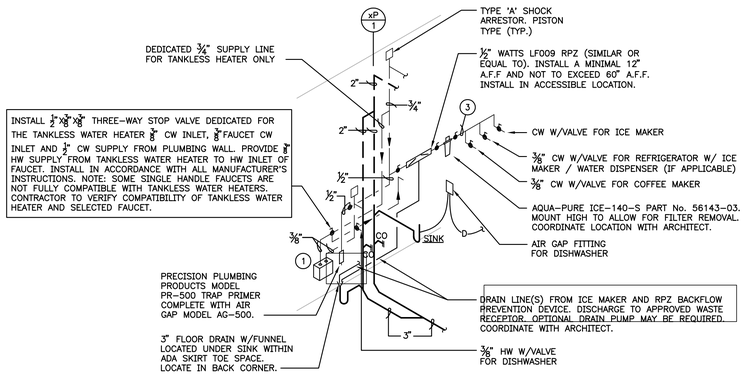


NOTE:
CONTRACTOR TO VERIFY LOCATION, SIZE, AND QUANTITY OF EXISTING TAPS, RUNOUTS, AND AIR DEVICES. REPLACE TAPS/RUNOUTS AS REQUIRED WITH SIZE SCHEDULE. CAP ALL UNUSED TAPS.

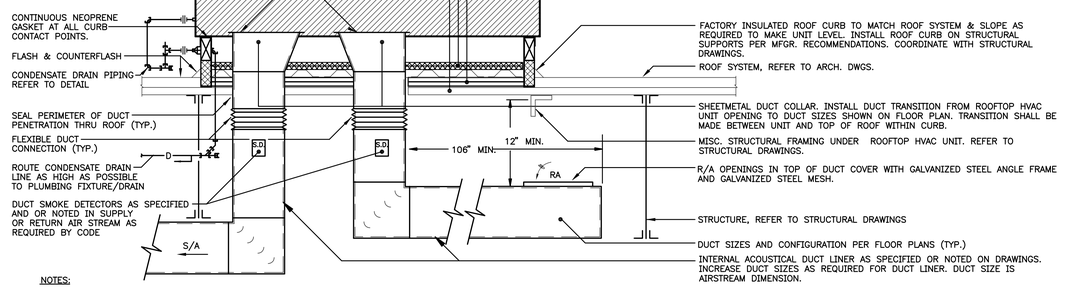
03 DIFFUSER CONNECTION DETAIL
SCALE: NONE



P3 PLUMBING RISER DIAGRAM
SCALE: NONE



P1 PLUMBING RISER DIAGRAM
SCALE: NONE



NOTES:
1. ALL ROOF PENETRATIONS, ROOF FLASHING, CURBS TO BE COMPATIBLE WITH ROOF SYSTEM TYPE, AND AS RECOMMENDED BY THE ROOFING MANUFACTURER, MAINTAIN ALL ROOF WARRANTIES. REFER TO ARCH. DRAWINGS FOR ALL ROOF PENETRATIONS AND FLASHING DETAILS.
2. LOCATE EQUIPMENT APPROX. AS SHOWN ON FLOOR PLANS IN GENERAL LOCATION SHOWN, BUT CONFORM TO ALL STRUCTURAL AND FINISH CONDITIONS OF BUILDING. CONTRACTOR SHALL PROVIDE ANY ADDITIONAL SUPPORTS, HANGERS, OPENINGS, ETC., AS REQUIRED FOR A COMPLETE INSTALLATION. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
3. COORDINATE STRUCTURAL FRAMING & ROOF PENETRATION WITH STRUCTURAL ENGINEER.

01 ROOF TOP UNIT DETAIL
SCALE: NONE

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City of Weatherford, Texas

WEATHERFORD OLD CITY HALL RENOVATION PROJECT

119 Palo Pinto Street
Weatherford, TX 76086

CONSTRUCTION DOCUMENTS

SEAL
STATE OF TEXAS
JOSHUA GILBREATH
123109
LICENSED
PROFESSIONAL ENGINEER
01/05/18

KEY PLAN

SCALE

1/16" = 1'-0"

No.	Description	Date

REVISIONS

DRAWN BY
APPROVED BY
CHECKED BY
DATE 01/05/18

TITLE

DETAILS AND RISER DIAGRAMS MECHANICAL AND PLUMBING

PROJECT NO. 50095393

MP-200

SHEET NO.

AIR DEVICE SCHEDULE

DESIG	SERVICE	TYPE	SIZE			MATERIAL	OPTIONS/ ACCESSORIES	MANUFACTURER	MODEL	REMARKS
			CFM RANGE	NECK SIZE	FACE					
A	SUPPLY DIFFUSER	CEILING CONE FACE	0-105	6"	12"x12"	STEEL	---	TITUS	TMS	---
			110-230	8"	24"x24"					
			235-420	10"	24"x24"					
			425-700	12"						
B	RETURN DIFFUSER	CEILING PERFORATED	0-450	10"x10"	12"x12"	STEEL	---	TITUS	PAR	---
			455-1000	22"x22"	24"x24"					
			1005-2200	22"x46"	24"x48"					
C	SUPPLY GRILLE	WALL LOUVERED	REFER TO PLAN	REFER TO PLAN	REFER TO PLAN	STEEL	O.B.D.	TITUS	300RL	---
D	RETURN GRILLE	WALL LOUVERED	REFER TO PLAN	REFER TO PLAN	REFER TO PLAN	STEEL	O.B.D.	TITUS	350RL	---

NOTES:
A. ALL DEVICES MAY OR MAY NOT BE USED.
B. ALL SHEETMETAL DUCTWORK, DUCTWORK ACCESSORIES, AIR DEVICES, AIR DEVICE TERMINALS, ELECTRICAL CONDUIT, PIPE HANGERS & PIPING EXPOSED TO VIEW THRU ANY DEVICE SHALL BE PAINTED FLAT BLACK.
C. PROVIDE LAY-IN CEILING GRID TO SUPPORT COMPLETELY AROUND ALL CEILING MOUNTED AIR DEVICES IN LAY-IN CEILING.
D. PROVIDE PLASTER FRAME FOR MOUNTING IN GYP. BOARD CEILING/WALLS.
E. REFER TO ARCHITECTURAL CEILING PLAN FOR EXACT LOCATIONS & FOR CEILING TYPES. PROVIDE FRAME TYPE FOR CEILING CONSTRUCTION ENCOUNTERED.
F. ALL AIR DEVICES SHALL BE FURNISHED IN STANDARD WHITE FINISH. COORDINATE WITH ARCHITECT FOR PAINTING OF ALL EXPOSED DUCTWORK AND/OR AIR DEVICES TO MATCH FINISHES.
G. MAXIMUM N.C. (NOISE CRITERIA) SHALL NOT EXCEED 30 UNLESS NOTED OTHERWISE.

OPTIONS/ACCESSORIES:
O.B.D. OPPOSED BLADE DAMPER
EG EQUALIZING GRID
PF PLASTER FRAME FOR MOUNTING IN GYP. BOARD CEILING/WALLS.
FD FIRE DAMPER WITH RADIATION BLANKET

ROOF TOP UNIT SCHEDULE

MARK	MFR.	MODEL NO.	SUPPLY FAN DATA: EXT. SP (INWC)	MOTOR SIZE (HP)	NOMINAL CAPACITY (TONS)	DESIGN (CFM)	DESIGN O.A. (CFM)	SEER/EER RATING	COOLING CAPACITY: ACTUAL TOTAL (MBH)	ACTUAL SENSIBLE (MBH)	EAT (DB/WB °F)	AMBIENT TEMP. (°F)	HEATING CAPACITY: ACTUAL INPUT (MBH)	ACTUAL OUTPUT (MBH)	ELECTRICAL CHARACTERISTICS: VOLTS	PHASE	HERTZ	MCA	MOP	WEIGHT (LB)	REMARKS	OPTIONS / ACCESSORIES	CONTROL TYPE / INTERLOCK
RTU 1	TRANE	YHC074	1.0	3.8	6	2445	180	---/13.1	67.0	55.9	78.0 / 64.6	105	120	97.2	208	3	60	38.2	50	1409	REFER TO BELOW	1,2,3,4,5,6,7,8	3
RTU 2	TRANE	YHC065	1.0	1.0	5	1790	235	---/17.2	51.6	40.1	79.9 / 65.9	105	80	64	208	3	60	32.2	45	996	REFER TO BELOW	1,2,3,4,5,6,7,8	3

REMARKS / NOTES:
A) ROOF CURB AND ROOF PENETRATIONS SHALL BE COMPATIBLE WITH ROOF SYSTEM AND ROOF SLOPE. SHIM UNDER CURB AS REQUIRED TO MAKE EQUIPMENT LEVEL.
B) INCREASE FAN MOTOR H.P. AND / OR DRIVE ASSEMBLY TO PROVIDE CFM AND STATIC PRESSURE SCHEDULED.
C) PROVIDE VIBRATION ISOLATION, REFER TO SPECIFICATIONS OR DETAILS.
D) PROVIDE FLEXIBLE DUCT CONNECTIONS. REFER TO SPECIFICATIONS OR DETAILS.
E) REFER TO MECHANICAL DETAIL SHEET FOR APPLICABLE DETAILS.
F) DUCT SMOKE DETECTORS SHALL BE PROVIDED FOR EACH PIECE OF AIR HANDLING EQUIPMENT HANDLING OVER 2000 CFM OF AIR FLOW, MOUNTED IN SUPPLY AIR STREAM AND / OR RETURN AIR STREAM AS REQUIRED BY CODE. UPON DETECTION OF SMOKE FAN SHALL STOP.
G) PROVIDE HIGH WATER LEVEL ALARM/SHUTOFF IN PRIMARY DRAIN PAN.

ACCEPTABLE MANUFACTURERS:
A) TRANE OR EQUIVALENT MEETING GIVEN SPECIFICATIONS AND PERFORMANCE CRITERIA.

OPTION / ACCESSORIES:
1) 14" HIGH FACTORY INSULATED ROOF CURB, SLOPED TO MATCH ROOF PITCH.
2) FACTORY INSTALLED CONDENSER COIL WITH HAIL / VANDAL GUARDS OR HEAVY DUTY GALVANIZED STEEL EXPANDED METAL WITH 2" HOLD OFF FRAME AT PERIMETER OF COIL PAINTED WITH POWDER COAT PAINT TO MATCH UNIT.
3) ECONOMIZER 0-100% MODULATING, ENTHALPY CONTROLLED WITH BAROMETRIC RELIEF.
4) BOTTOM ELECTRIC POWER ENTRY KIT AND THRU CURB CONDENSATE DRAIN SERVICES.
5) DISCONNECT SWITCH, NEMA 3R WEATHERPROOF.
6) GFI CONVENIENCE OUTLET. (FIELD POWERED)
7) LOW LEAK DAMPERS.
8) ECONOMIZER FAULT DETECTION.

CONTROL TYPE / INTERLOCK
1) SPACE TEMPERATURE SENSOR WITH OVERRIDE CAPABILITIES.
2) STATIC PRESSURE DUCT SENSOR (LOCATE 2/3RDS DOWN MED. PRESSURE DUCT)
3) PROVIDE ROOF TOP UNIT WITH STAND ALONE 7-DAY PROGRAMMABLE THERMOSTAT.

MINIMUM FIXTURE CONNECTION SCHEDULE

NAME OF FIXTURE	C.W.	H.W.	TRAP SIZE	WASTE	VENT	REMARKS
WATER CLOSET	1"	–	–	4"	2"	FLUSH VALVE WITH MAX. 1.28 GALLON FLUSH
URINAL	3/4"	–	–	2"	2"	SIPHON JET TYPE W/MAX. 0.5 GAL. FLUSH
LAVATORY	1/2"	1/2"	1-1/4"	2"	1-1/2"	0.5 GPM FLOW RATE
COUNTER SINK	1/2"	1/2"	1-1/2"	2"	1-1/2"	1.5 GPM FLOW RATE
JANITOR SINK	1/2"	1/2"	3"	3"	2"	WALL HUNG OR FLOOR TYPE
FLOOR DRAIN	–	–	3"	3"	2"	UNLESS NOTED OTHERWISE

NOTE: ALL THE ABOVE FIXTURES ARE NOT NECESSARILY USED.

TANKLESS WATER HEATER SCHEDULE

MARK	WH-3
LOCATION	BREAKROOM AND DISHWASHER
MANUFACTURER	CHRONOMITE (INSTANTANEOUS)
MODEL	M-40-240
REMARKS	1.0 GPM FLOW RATE (ONE 1.0 GPM OMNI FAUCET FLOW CONTROL IS INCLUDED WITH EACH WATER HEATER. REPLACE FACTORY FAUCET FLOW CONTROL WITH CHRONOMITE OMNI FLOW CONTROL VERSION PER MANUFACTURERS REQUIREMENTS.) REMOVE IN LINE FLOW CONTROL AT WATER HEATER FOR DISHWASHER APPLICATION. REFER TO MANUFACTURER FOR FURTHER INSTRUCTIONS. 240 V, 1PH, 9.6 KW, 40 AMP BREAKER MICROPROCESSOR CONTROLLED (FACTORY SETTING 120')

TANKLESS WATER HEATER SCHEDULE

MARK	WH-1, WH-2
LOCATION	LAVATORIES
MANUFACTURER	CHRONOMITE (INSTANTANEOUS)
MODEL	M-20L-240-FM
REMARKS	0.5 GPM FLOW RATE (ONE 0.5 GPM OMNI FAUCET FLOW CONTROL IS INCLUDED WITH EACH WATER HEATER. REPLACE FACTORY FAUCET FLOW CONTROL WITH CHRONOMITE OMNI FLOW CONTROL VERSION PER MANUFACTURERS REQUIREMENTS.) 240 V, 1PH, 4.8 KW, 20AMP BREAKER MICROPROCESSOR CONTROLLED (FACTORY SETTING 110') NOTE: IF A TEMPERING VALVE IS REQUIRED TO SERVE INSTANTANEOUS WATER HEATER PER LOCAL AHJ, PROVIDE TEMPERING VALVE EQUAL TO ACORN MODEL ST70.

PLUMBING FIXTURE SCHEDULE

ITEM	DESCRIPTION	WASTE	VENT	CW	HW	SPECIFICATION
BFP-1	BACKFLOW PREVENTER	---	---	2"	---	WATTS MODEL LF007 DOUBLE CHECK ASSEMBLY COMPETE WITH LEAD FREE CAST COPPER SILICON ALLOY BODY, TWO POSITIVE CHECK MODULES WITH CAPTURED SPRINGS, REPLACEABLE SEAT DISCS, ISOLATION VALVES AND TEST COCKS.
EWC-1	ELECTRIC WATER COOLER AND BOTTLE FILLER STATION	2"	2"	1/2"	---	ELKAY VANDAL RESISTANT EZH20 BOTTLE FILLING STATION WITH BI-LEVEL VANDAL RESISTANT COOLER, MODEL LVRCTLBWSK WALL HUNG DRINKING FOUNTAIN COMPLETE WITH VANDAL RESISTANT PUSHBUTTON ACTIVATION WITH AUTO 20-SECOND SHUT OFF (BOTTLE FILLER), BI-LEVEL DESIGN, 8 GPH OF 50'F DRINKING WATER AT 90'F AMBIENT AND 80'F INLET WATER, STAINLESS STEEL COOLER CABINET, GALVANIZED STRUCTURAL STEEL COOLER CHASSIS FRAME, VANDAL RESISTANT BUBBLER, REAL DRAIN SYSTEM, STAINLESS STEEL BOTTLE FILLER WITH QUICK FILL RATE OF 1.1 GPM, HERMETICALLY-SEALED, RECIPROCATING TYPE, SINGLE PHASE COMPRESSOR WITH SEALED-IN LIFETIME LUBRICATION; VOLTAGE 115V AT 60 Hz, CURRENT OF 5 AMPS, POWER CONSUMPTION OF 370 WATTS; REFRIGERANT TYPE: R134a; WATERSENTRY PLUS 3000-GALLON CAPACITY FILTRATION SYSTEM – NSF/ANSI 42 AND 53 CERTIFIED, LED VISUAL FILTER INDICATES WHEN REPLACEMENT IS NECESSARY. PROVIDE WITH ELECTRICAL DUPLEX BOX WITH GFI; McGUIRE MODEL LFHST11LK DRINKING FOUNTAIN SUPPLIES WITH CHROME PLATED FINISH POLISHED BRASS, STRAIGHT STOPS, 3/8" I.P.S INLET, LOW LEAD AND VANDAL PROOF KEYS; McGUIRE MODEL 8872CB P-TRAP, HEAVY CAST BRASS ADJUSTABLE BODY WITH SLIP NUT, 1-1/4" SIZE, BOX FLANGE AND SEAMLESS TUBULAR WALL BEND; WATTS CARRIER MODEL CA-431-1-Q, DOUBLE CARRIER MOUNTED ON CONCRETE FLOOR WITH UNIVERSAL STEEL HANGER SUPPORT PLATES WITH INTEGRAL MOUNTING BRACKETS, HEAVY GAUGE STEEL UPRIGHTS WITH INTEGRAL WELDED FEET. NOTE: FOR ONE UNIT: 4-1/2" FINISHED METAL STUD WALL.
FD-1	FLOOR DRAIN, LOCATED IN RESTROOMS	2"	2"	---	---	J.R. SMITH MODEL 2005A-P050 CAST IRON FLOOR DRAIN WITH BOTTOM OUTLET, REVERSIBLE FLASHING COLLAR, SEEPAGE OPENINGS AND ADJUSTABLE NICKEL BRONZE STRAINER HEAD; PROVIDE VANDAL PROOF SCREWS AND 1/2' TRAP PRIMER CONNECTION.
L-1	LAVATORY – TAS/ADA COMPLIANT	2"	2"	1/2"	1/2"	AMERICAN STANDARD MODEL 0355.012 "LUCERNE" VITREOUS CHINA WALL-HUNG LAVATORY WITH 4" CENTERS COMPLETE WITH P-TRAP, SUPPLIES, STOPS, STAMPED BRASS STRAINER AND SLOAN MODEL SF-2350 BATTERY OPERATED LAVATORY SENSOR FAUCET.
TP-1	TRAP PRIMER	---	---	1/2"	---	PRECISION PLUMBING PRODUCTS MODEL PR-500 COMPLETE WITH AIR GAP FITTING EQUAL TO PRECISION PLUMBING PRODUCTS MODEL AG-500.
WC-1	WATER CLOSET – TAS/ADA COMPLIANT SEAT AT 17"-19" AFF	4"	2"	1"	---	SLOAN MODEL WETS-2020.1201-1.28 FLOOR MOUNTED VITREOUS CHINA ELONGATED BOWL COMPLETE WITH SOLAR-POWERED, BATTERY BACK-UP POWER, SENSOR ACTIVATED FLUSHMETER, 1.28 GPF, OPEN FRONT SEAT LESS COVER AND TOP SPUD

*** NOTE(S):
1. ALL FIXTURES REQUIRING P-TRAPS, TUBING WASTE TO WALL, AND TAILPIECES SHALL BE 17 GAUGE CHROME PLATED, MCGUIRE OR EQUAL.
2. COORDINATE ALL PLUMBING FIXTURE TYPES AND SELECTIONS WITH ARCHITECT PRIOR TO CONSTRUCTION.

FAN SCHEDULE

		EF-1	EF-2	
GENERAL DATA				
	DESIGNATION			
	SERVES	TOILET ROOMS	TOILET ROOM	
	LOCATION	IN-LINE	IN-LINE	
	TOTAL AIR FLOW, CFM	150	75	
FAN DATA				
	EXT. S.P. (IN. W.G.)	0.8	0.3	
	FAN HP (WATTS)	146	43	
	DRIVE TYPE	DIRECT	DIRECT	
ELECTRICAL DATA				
	VOLTS / PHASE	115/60/1	115/60/1	
PRODUCT DATA				
	MANUFACTURER	GREENHECK	GREENHECK	
	MODEL NO.	CSP-B200	CSP-B110	
	REMARKS / NOTES	REFER TO BELOW	REFER TO BELOW	
	OPTION / ACCESSORIES	REFER TO BELOW	REFER TO BELOW	
	CONTROL TYPE / INTERLOCK	CONTINUOUS	CONTINUOUS	

REMARKS / NOTES:
A) ROOF CURB, ROOF SUPPORTS, ROOF PENETRATIONS, ETC.. SHALL BE COMPATIBLE WITH ROOF SYSTEM, REFER TO ARCHITECTURAL DWGS. SHIM UNDER ROOF CURB AS REQUIRED TO MAKE EQUIPMENT LEVEL, COORDINATE ROOF SLOPE.
B) INSTALL PER MANUFACTURERS RECOMMENDATIONS AND INSTALLATION OPERATION MAINTENANCE MANUEL
C) INCREASE FAN MOTOR H.P. AND / OR DRIVE ASSEMBLY TO PROVIDE CFM AND STATIC PRESSURE SCHEDULED.
D) PROVIDE VIBRATION ISOLATION, REFER TO SPECIFICATIONS OR DETAILS.
E) REFER TO THIS SHEET FOR APPLICABLE DETAILS.

OPTION / ACCESSORIES:
1) 12" HIGH FACTORY INSULATED ROOF CURB.
2) ROOF CURB AND ROOF CAP WITH BUG SCREEN AND ROOF CURB.
3) GREENHECK WD/MP-100 MOTORIZED DAMPER PACKAGE.
4) SOLID STATE VARIABLE SPEED CONTROLLER MOUNTED ON DIRECT DRIVE FAN.
5) DISCONNECT SWITCH.

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PROJECT # 2807001

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KEY PLAN

SCALE
1/16" = 1'-0"

No.	Description	Date

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APPROVED BY
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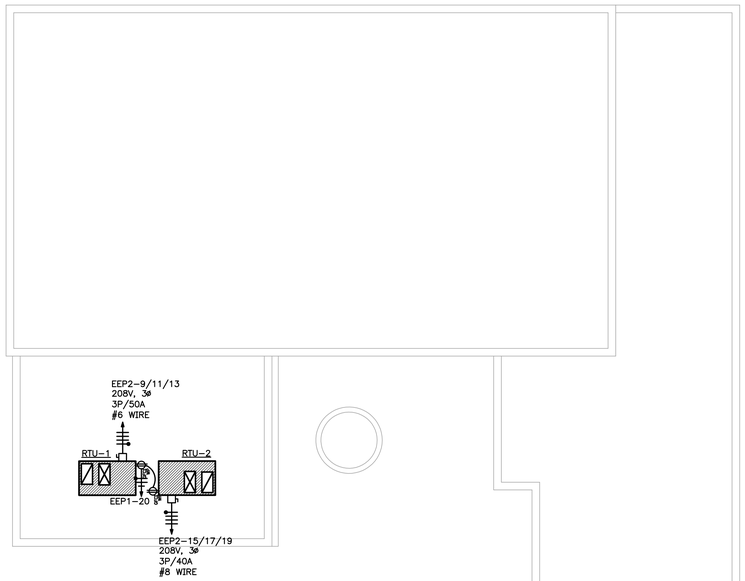
TITLE
SCHEDULES MECHANICAL AND PLUMBING

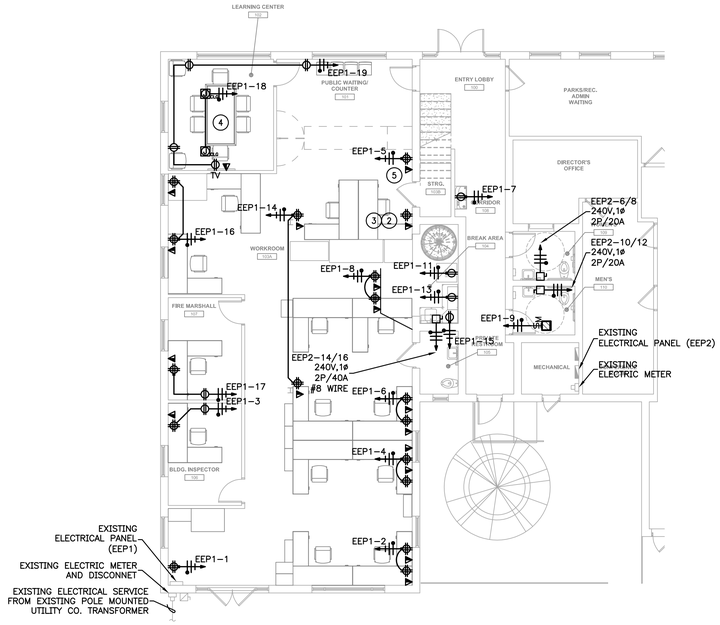
PROJECT NO. 50095393

MP-300

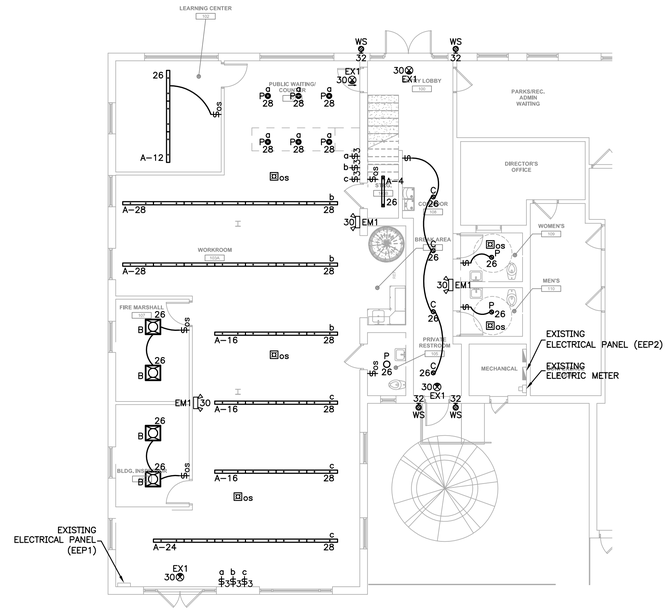
SHEET NO.



3 ROOF PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"



2 FIRST FLOOR PLAN - POWER
SCALE: 1/8" = 1'-0"



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

POWER GENERAL NOTES:

A. ALL CIRCUIT NUMBERS SHOWN FOR LOCATION AND QUANTITY ONLY. VERIFY EXACT NUMBERS IN FIELD. UTILIZE ALL CIRCUITS MADE AVAILABLE BY DEMOLITION PLUS ALL AVAILABLE SPACES AND 1P/20A SPARES TO COMPLETE LAYOUT AS SHOWN. UPDATE PANEL SCHEDULES WHEN WORK IS COMPLETED.

B. THE FIRE ALARM DESIGN, ENGINEERING, DESIGN APPROVAL, INSTALLATION AND FINAL ACCEPTANCE BY THE AUTHORITIES HAVING JURISDICTION IS THE SOLE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR. FIRE ALARM CONTRACTOR SHALL INSTALL A BASIC CODE COMPLIANT FIRE ALARM SYSTEM AND MAKE IT EXPANDABLE FOR FUTURE RENOVATIONS. FINAL DEVICE TYPES, QUANTITIES AND LOCATIONS ARE THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH THE FIRE ALARM CONTRACTOR AND PROVIDE ROUGH-IN AND POWER FOR ALL DEVICES PER THE APPROVED FIRE ALARM PLANS.

C. REFER TO SHEET E-200 FOR ELECTRICAL RISER DIAGRAM AND SCHEDULES.

D. ALL RECEPTACLES INSTALLED WITHIN 6' OF A SINK OR IN ANY OTHER WET LOCATION SHALL BE RATED 'GFCI'.

E. CONTRACTOR TO INSTALL EXPOSED CONDUIT AND SURFACE MOUNTED RECEPTACLES AND TELE/DATA OUTLETS FOR DESK FURNITURE. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH ARCHITECT/TENANT PRIOR TO INSTALLATION.

F. REFERENCE ARCHITECTURAL SHEETS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ELECTRICAL WIRING DEVICES PRIOR TO ROUGH-IN.

G. REFERENCE MECHANICAL/PLUMBING PLANS FOR EXACT LOCATION AND REQUIREMENTS OF MECHANICAL/PLUMBING EQUIPMENT.

H. CONTRACTOR TO VERIFY RATINGS AND LOCATIONS OF EXISTING ELECTRICAL SERVICE.

I. CONTRACTOR TO INSTALL KWH METER TO MONITOR ABOVE BUILDING STANDARD HVAC EQUIPMENT. MATCH BUILDING STANDARD. IF NO STANDARD EXISTS, INSTALL LEVITON 2000 MODEL OR APPROVED EQUAL. COORDINATE EXACT REQUIREMENTS WITH BUILDING MANAGEMENT.

POWER NOTES BY SYMBOL:

(1) CONTRACTOR TO REFERENCE GROUND BAR DETAIL FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION PRIOR TO INSTALLATION. PROVIDE GROUND CONNECTION TO EQUIPMENT, TILE, LADDER RACK, AND ALL OTHER REQUIRED GROUNDING CONNECTION PER TENANT'S IT CONSULTANT.

(2) INSTALL (1) ONE QUAD RECEPTACLE AND (1) TELE/DATA OUTLET FOR COPIER/SCANNER. CIRCUITRY FOR COPIER/SCANNER IS AS FOLLOWS: EEP1-10 – 120V/1ø – 1P/20A BREAKER. CONTRACTOR TO VERIFY EXACT LOCATION, CIRCUITRY AND RECEPTACLE TYPE WITH COPIER/SCANNER MANUFACTURER PRIOR TO INSTALLATION.

(3) INSTALL (2) TWO QUAD RECEPTACLES AND (2) TELE/DATA OUTLETS FOR FURNITURE. CIRCUITRY FOR FURNITURE IS AS FOLLOWS: EEP1-12 – 120V/1ø – 1P/20A BREAKER. CONTRACTOR TO VERIFY EXACT LOCATION, CIRCUITRY AND RECEPTACLE TYPE WITH ARCHITECT/TENANT PRIOR TO INSTALLATION.

(4) CONTRACTOR TO VERIFY EXACT LOCATION AND ELECTRICAL REQUIREMENTS OF PROJECTOR/TV WITH TENANT/ARCHITECT PRIOR TO INSTALLATION.

(5) CONTRACTOR TO COORDINATE EXACT INSTALLATION REQUIREMENTS WITH TENANT PRIOR TO ROUGH-IN.

LIGHTING GENERAL NOTES:

A. ALL CIRCUITS ARE FED FROM PANEL 'EEP1'. CIRCUIT NUMBERS SHOWN ARE FOR LOCATION AND QUANTITY ONLY. VERIFY EXACT NUMBERS IN FIELD. UPDATE PANEL DIRECTORY WHEN WORK IS COMPLETED.

B. CONTRACTOR TO INSTALL OCCUPANCY / VACANCY SENSOR SWITCH (⊕os) AS SHOWN. MATCH BUILDING STANDARD. IF NO STANDARD IS ESTABLISHED, INSTALL ACUITY #WSX-PDT-SA OR EQUIVALENT. COORDINATE FINISH WITH ARCHITECT.

C. CONTRACTOR TO INSTALL OCCUPANCY / VACANCY SENSOR (⊡os) AS SHOWN. MATCH BUILDING STANDARD. IF NO STANDARD IS ESTABLISHED, INSTALL ACUITY #CM-PDT SERIES OR EQUIVALENT. COORDINATE FINISH WITH ARCHITECT. LOCATIONS SHOWN ARE APPROXIMATE. REFERENCE INSTALLATION MANUAL FOR OPTIMUM PLACEMENT OF SENSORS. PROVIDE LOW-VOLTAGE SWITCH FOR MANUAL-ON OPERATION, ACUITY #SPODM-SA OR EQUIVALENT. BOTH ANALOG AND DIGITAL SYSTEMS ARE ACCEPTABLE. ANALOG SERIES: ACUITY SENSOR SWITCH. DIGITAL SERIES: ACUITY NLIGHT OR EQUIVALENT.

D. AT ALL LOCATIONS WHERE CEILING OCCUPANCY / VACANCY SENSORS ARE SHOWN TO BE USED IN CONJUNCTION WITH DIMMING, CONTRACTOR TO PROVIDE DIMMING POWER-PACKS AS REQUIRED WITH DIMMING ZONE OR PRESET STATIONS. MULTI-BUTTONS MAY BE USED AS INDICATED ON PLAN. BOTH ANALOG AND DIGITAL SYSTEMS ARE ACCEPTABLE. ANALOG SERIES: ACUITY SENSOR SWITCH. DIGITAL SERIES: ACUITY NLIGHT OR EQUIVALENT.

E. CONTRACTOR TO COORDINATE EXACT SWITCHING PATTERNS, TYPE AND SWITCH LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. LOWER CASE LETTERS INDICATE SWITCHING PATTERNS.

F. REFER TO SHEET E-200 FOR LIGHT FIXTURE SCHEDULE.

G. REFERENCE ARCHITECTURAL SHEETS FOR EXACT LOCATION, TYPE AND MOUNTING HEIGHTS OF LIGHT FIXTURES PRIOR TO INSTALLATION.

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01/05/18

KEY PLAN

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No.	Description	Date

REVISIONS

DRAWN BY	Author
APPROVED BY	Approver
CHECKED BY	Checker
DATE	12/13/17

TITLE

FIRST FLOOR PLAN ELECTRICAL

PROJECT NO. 50095393

E-100

SHEET NO.

GENERAL NOTES:

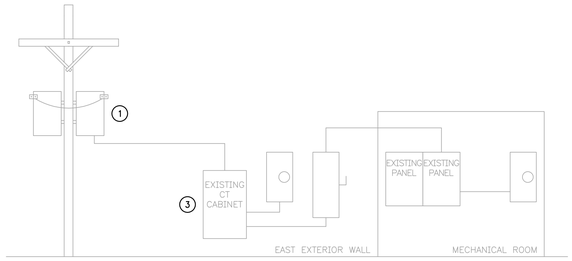
A. COORDINATE EXACT LOCATION OF ALL EQUIPMENT AND DEVICES WITH TENANT PRIOR TO ANY ROUGH-IN.

NOTES BY SYMBOL:

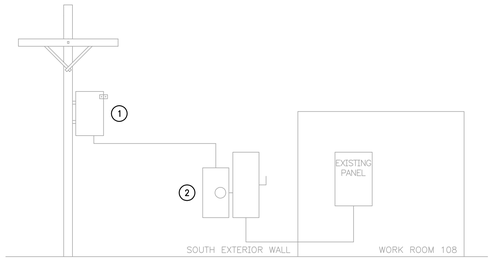
(1) EXISTING TRANSFORMER BY UTILITY COMPANY.

(2) EXISTING ELECTRIC METER AND DISCONNECT. VERIFY RATINGS AND LOCATIONS. BUILDING SERVICE SHALL BE RATED FOR 120/240V, 1PH., 3W. CONTRACTOR SHALL NOTIFY ENGINEER IF BUILDING SERVICE IS DIFFERENT.

(3) EXISTING CT CABINET, ELECTRIC METER AND DISCONNECT. VERIFY RATINGS AND LOCATIONS. BUILDING SERVICE SHALL BE RATED FOR 120/208V, 3PH., 4W. CONTRACTOR SHALL NOTIFY ENGINEER IF BUILDING SERVICE IS DIFFERENT.



2 ELECTRICAL RISER DIAGRAM
SCALE: NONE



1 ELECTRICAL RISER DIAGRAM
SCALE: NONE

LIGHTING SCHEDULE

TYPE	MANUFACTURER	DESCRIPTION	CATALOG	LAMP	WATTAGE	VOLT	FINISH	NOTE
A-4	FINELITE	LED SUSPENDED INDIRECT/DIRECT LINEAR, 4" APERTURE, WIDESPREAD OPTIC UPLIGHT, STANDARD OUTPUT WITH INTEGRAL DRIVER	HP-4-ID-12-S-S-835-WSO-DOWNLIGHT-VOLTAGE-FA-CIRCUITING-CEILING-SENSOR	3500K LED INTEGRAL	29.2W	120	PER ARCHITECT	0-10V DIM LOCATION: OPEN OFFICES
A-12	FINELITE	LED SUSPENDED INDIRECT/DIRECT LINEAR, 4" APERTURE, WIDESPREAD OPTIC UPLIGHT, STANDARD OUTPUT WITH INTEGRAL DRIVER	HP-4-ID-12-S-S-835-WSO-DOWNLIGHT-VOLTAGE-FA-CIRCUITING-CEILING-SENSOR	3500K LED INTEGRAL	87.6W	120	PER ARCHITECT	0-10V DIM LOCATION: OPEN OFFICES
A-16	FINELITE	LED SUSPENDED INDIRECT/DIRECT LINEAR, 4" APERTURE, WIDESPREAD OPTIC UPLIGHT, STANDARD OUTPUT WITH INTEGRAL DRIVER	HP-4-ID-16-S-S-835-WSO-DOWNLIGHT-VOLTAGE-FA-CIRCUITING-CEILING-SENSOR	3500K LED INTEGRAL	116.8W	120	PER ARCHITECT	0-10V DIM LOCATION: OPEN OFFICES
A-24	FINELITE	LED SUSPENDED INDIRECT/DIRECT LINEAR, 4" APERTURE, WIDESPREAD OPTIC UPLIGHT, STANDARD OUTPUT WITH INTEGRAL DRIVER	HP-4-ID-24-S-S-835-WSO-DOWNLIGHT-VOLTAGE-FA-CIRCUITING-CEILING-SENSOR	3500K LED INTEGRAL	175.2W	120	PER ARCHITECT	0-10V DIM LOCATION: OPEN OFFICES
A-28	FINELITE	LED SUSPENDED INDIRECT/DIRECT LINEAR, 4" APERTURE, WIDESPREAD OPTIC UPLIGHT, STANDARD OUTPUT WITH INTEGRAL DRIVER	HP-4-ID-24-S-S-835-WSO-DOWNLIGHT-VOLTAGE-FA-CIRCUITING-CEILING-SENSOR	3500K LED INTEGRAL	204.4W	120	PER ARCHITECT	0-10V DIM LOCATION: OPEN OFFICES
B	LITHONIA	LED RECESSED 2X2, BASKET DESIGN, DIE-FORMED COMPONENTS, LOW PROFILE 2-3/8" FIXTURE DEPTH, EXTREDED ACRYLIC DIFFUSERS, INTEGRAL HIGH EFFICIENCY DRIVER	2BLT2-33L-ADP-EZ1-LP835-CONTROLS-OCCUPANCY	3500K LED INTEGRAL	30W	120-277	WHITE	0-10V DIM LOCATION: PRIVATE OFFICES
C	LITHONIA	LED RECESSED 6" OPEN ROUND DOWNLIGHT, NON-IC, LED LIGHT SOURCE CONCEALED WITH DIFFUSING OPTICAL LENS, SELF-FLANGED ANODIZED REFLECTORS MATTE DIFFUSE FINISH, INTEGRAL DRIVER	LDN6-35/15-LO6-TRIM-LD-MVOLT-EZ10-OPTIONS	3500K LED INTEGRAL	20.5W	120-277	PER ARCHITECT	0-10V DIM LOCATION: CORRIDOR
p	VISTA LIGHTING	SCHOOL HAUS 14" LED PENDANT	CP4515-SOURCE-MVOLT-FINISH-OPTIONS-OAH	LED	38W	120-277	PER ARCHITECT	LOCATION: PUBLIC WAITING / COUNTER
WS	EVERGREEN LIGHTING	EXTERIOR WALL SCONCE	SIC1110L-AB-A OPTIONS: EMR, PC, VPE	LED	18W	120-277	ARCHITECTURAL BRONZE	LOCATION: FRONT AND REAR EXIT DOORS
EM1	LITHONIA	DUAL HEAD FIXTURE WITH 90 MINUTE BATTERY BACK-UP	ELM2-LED-HOUSING-OPTIONS	LED	3W	120-277	PER ARCHITECT	
EX1	LITHONIA	EXIT FIXTURE WITH 90 MINUTE BATTERY BACK-UP	EDG-HOUSING COLOR-LETTER COLOR-EL-OPTIONS	LED	3W	120-277	PER ARCHITECT	

1.) CONTACT DEWBERRY ARCHITECTS @ 918-587-7283 FOR ANY QUESTIONS OR SUBSTITUTIONS PRIOR TO BID FOR APPROVAL.
2.) CONTRACTOR MUST SUBMIT LAMPS AND BALLAST WITH FIXTURE SUBMITTALS.

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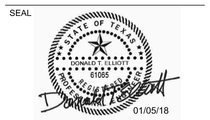
City of Weatherford, Texas

WEATHERFORD OLD CITY HALL
RENOVATION PROJECT

119 Palo Pinto Street
Weatherford, TX 76086

CONSTRUCTION DOCUMENTS

SEAL



KEY PLAN

SCALE

1/16" = 1'-0"

No.	Description	Date

REVISIONS

DRAWN BY
APPROVED BY
CHECKED BY
DATE 01/05/18

TITLE

DETAILS AND RISER DIAGRAMS ELECTRICAL

PROJECT NO. 50095393

E-200

SHEET NO.