

MD ANDERSON CANCER CENTER

B2 MEN'S & WOMEN'S RESTROOM REPAIR

MDACC No.18-0256

CH+P No.18-007

1515 Holcombe Blvd.
Houston, TX 77030

Architect

Courtney Harper + Partners, L.C.

MEP Engineer

CFI COMPANIES, INC.

04.09.2018

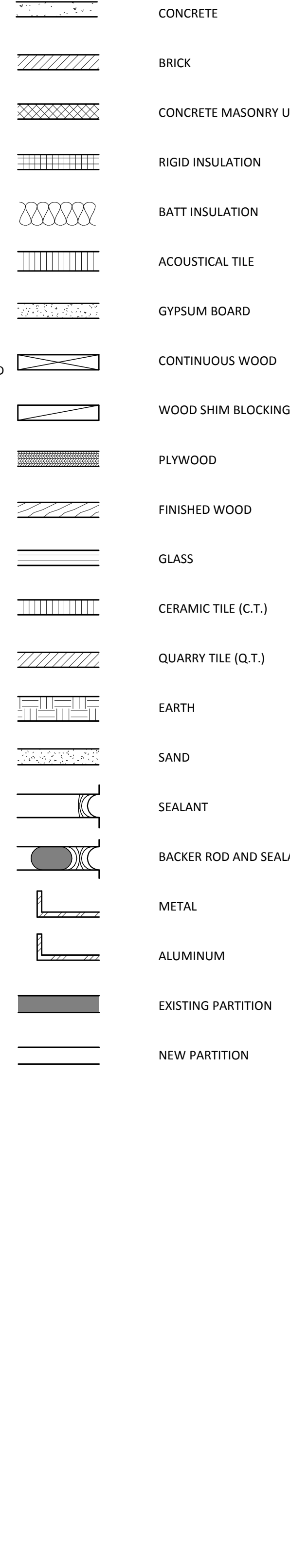
Issued for TDLR Review & Construction

ABBREVIATIONS

REFER TO FINISH SCHEDULE FOR ADDITIONAL ABBREVIATIONS

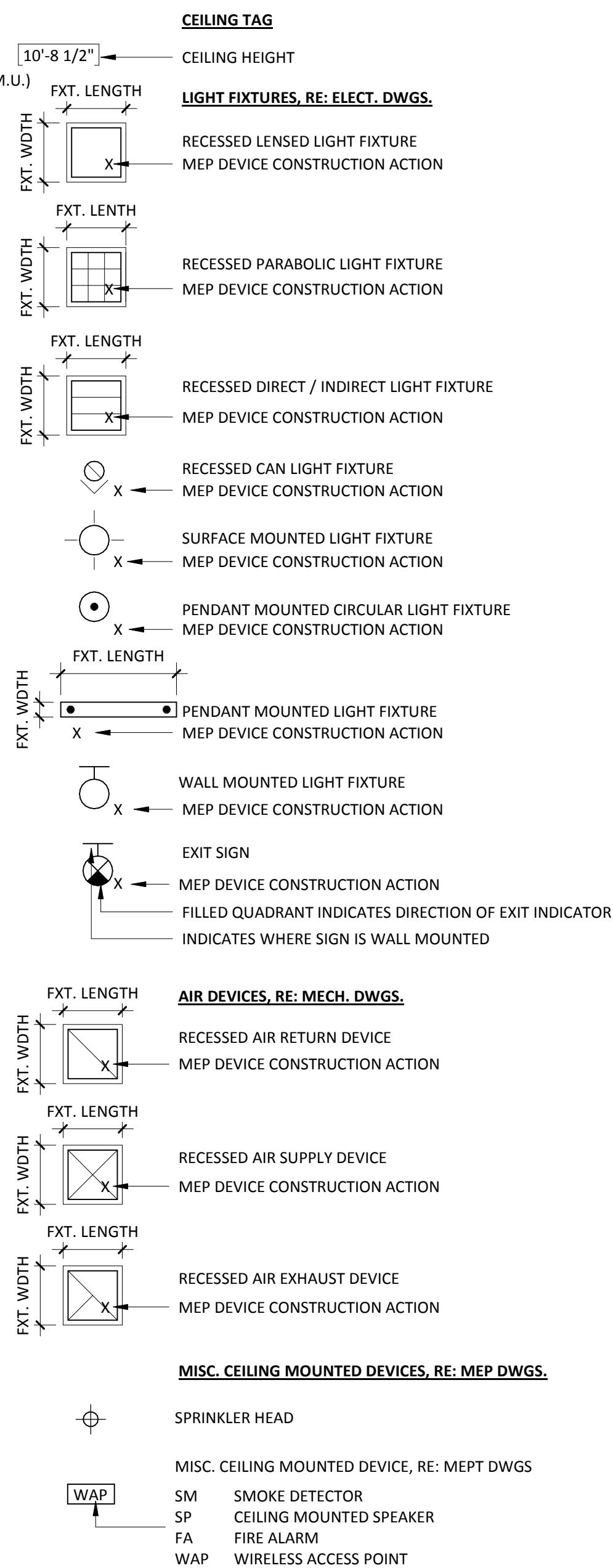
AC. ACOUSTICAL	MANHOLE	M.H.	MANHOLE
ADJ. ADJUSTABLE	MANUFACTURER	MANUF.	MANUFACTURER
AL. ALUMINUM	MASONRY	MAS.	MASONRY
A.D. AREA DRAIN	MATERIAL	MATL.	MATERIAL
ASPH. ASPHALT	MAXIMUM	MAX.	MAXIMUM
@ AT	MATCH EXISTING	ME	MATCH EXISTING
A.F.F. ABOVE FINISHED FLOOR	MEM. W.P.	MEM. W.P.	MEMBRANE WATERPROOFING
A.D.A. AMERICANS WITH DISABILITIES ACT	MECH.	MECH.	MECHANICAL
	MET.	MET.	METAL
	M.T.O.	M.T.O.	METAL TOILET PARTITIONS
BM. BEAM	MIN.	MIN.	MINIMUM
BLK. BLOCK	MISC.	MISC.	MISCELLANEOUS
BD. BOARD	MOD.	MOD.	MODULE
B.U.R. BUILT-UP ROOF			
BLDG. BUILDING	N.D.	NAPKIN DISPOSAL	NAPKIN DISPOSAL
	N.V.	NAPKIN VENDOR	NAPKIN VENDOR
CAB. CABINET	N.I.C.	NOT IN CONTRACT	NOT IN CONTRACT
CPT. CARPET	N.T.S.	NOT TO SCALE	NOT TO SCALE
CLKG. CAULKING	NO	NUMBER	NUMBER
CLG. CEILING			
CEM. CEMENT	O.C.	ON CENTER	ON CENTER
CL CENTERLINE	O.F.C.I	OWNER FURNISHED, CONTRACTOR INSTALLED	OWNER FURNISHED, CONTRACTOR INSTALLED
CT CERAMIC TILE	OPNG.	OPENING	OPENING
C.B. CHALKBOARD	O.D.	OUTSIDE DIAMETER	OUTSIDE DIAMETER
C. CHANNEL	O'HANG	OVERHANG	OVERHANG
CFMF. COLD FORMED METAL FRAMING.	OPH.	OPPOSITE HAND	OPPOSITE HAND
COH. CITY OF HOUSTON			
COL. COLUMN	P.H.	PAPER HOLDER	PAPER HOLDER
COMP. COMPRESSIBLE	PL.	PLASTIC LAMINATE	PLASTIC LAMINATE
COND. CONDITION	PLM.	PLATE	PLATE
CONC. CONCRETE	PLWD.	PLYWOOD	PLYWOOD
C.M.U. CONCRETE MASONRY UNIT	PT.	POINT	POINT
C.J. CONSTRUCTION JOINT	PTD.	PAINTED	PAINTED
CONT. CONTINUOUS	POL.	POLISHED	POLISHED
CONTR. CONTRACTOR	P.C.	PRECAST	PRECAST
CORR. CORRIDOR	P.W.B.	PREFINISHED WALL BOARD	PREFINISHED WALL BOARD
CTSK. COUNTERSINK	P.L.	PROPERTY LINE	PROPERTY LINE
	PROP. LINE	PROPERTY LINE	PROPERTY LINE
D.P. DAMPPROOFING	QT.	QUARRY TILE	QUARRY TILE
DET. DETAIL	R.	RADIUS	RADIUS
DIA. DIAMETER	RECP.	RECEPTACLE	RECEPTACLE
DIM. DIMENSION	REF.	REFERENCE	REFERENCE
DWG. DRAWING	REF. PT.	REFERENCE POINT	REFERENCE POINT
D.F. DRINKING FOUNTAIN	REINF.	REINFORCE	REINFORCE
	RESIL.	RESILIENT	RESILIENT
EA. EACH	REQD.	REQUIRED	REQUIRED
EWC. ELECTRIC WATER COOLER	REV.	REVISED	REVISED
ELEC. ELECTRICAL	R.S.S	ROD STOCK AND SEALANT	ROD STOCK AND SEALANT
EL. ELEVATION (HEIGHT)	RD	ROOF DRAIN	ROOF DRAIN
ELEV. ELEVATION (DRAWING)			
EQ. EQUAL	SCH.	SHEDULE	SHEDULE
EXIST. EXISTING	SECT.	SECTION	SECTION
EXP. EXPANSION	SHT.	SHEET	SHEET
EXT. EXTERIOR	SIM.	SIMILAR	SIMILAR
E.J. EXPANSION JOINT	S.D.	SOAP DISPENSER	SOAP DISPENSER
	S.P.C.	SPECIAL COATING SYSTEM	SPECIAL COATING SYSTEM
FWC. FABRIC WALL COVERING	SPCS	SPECIFICATIONS	SPECIFICATIONS
FIN. FINISH	SQ.	SQUARE	SQUARE
FIXT. FIXTURE	ST. STL	STAINLESS STEEL	STAINLESS STEEL
FLSHG. FLASHING	SS.	STAINLESS STEEL	STAINLESS STEEL
FLR. FLOOR	STL.	STEEL	STEEL
FD FLOOR DRAIN	STRUCT.	STRUCTURAL	STRUCTURAL
F.E. FIRE EXTINGUISHER	SUSP.	SUSPENDED	SUSPENDED
F.E.C. FIRE EXTINGUISHER CAB.			
F.H.C. FIRE HOSE CAB.	T.B.	TACKBOARD	TACKBOARD
F.C.B. FIBER CEMENT BOARD	TEL.	TELEPHONE	TELEPHONE
FWY. FREEWAY	TERR.	TERRAZZO	TERRAZZO
	THK.	THICK	THICK
GALV. GALVANIZED	T.T.D.	TOILET TISSUE DISPENSER	TOILET TISSUE DISPENSER
G.I. GALVANIZED IRON	T.D.R.	TOWEL DISPENSER AND RECEPTACLE	TOWEL DISPENSER AND RECEPTACLE
GA. GAUGE	TYP.	TYPICAL	TYPICAL
GEN. GENERAL			
GL. GLASS	U.N.O.	UNLESS NOTED OTHERWISE	UNLESS NOTED OTHERWISE
G.B. GRAB BAR	V.	VENT	VENT
GR. GRADE	VENT.	VENTILATING	VENTILATING
GYP. BD. GYPSUM BOARD	VER.	VERIFY	VERIFY
GWB. GYPSUM WALL BOARD	VERT.	VERTICAL	VERTICAL
	V.I.F.	VERIFY IN FIELD	VERIFY IN FIELD
HT. HEIGHT	V.C.T.	VINYL COMPOSITION TILE	VINYL COMPOSITION TILE
HORIZ. HORIZONTAL	V.W.C.	VINYL WALL COVERING	VINYL WALL COVERING
HMAC. HOT MIXED ASPHALT CEMENT PAVING	W.C.	WATER CLOSET	WATER CLOSET
HC. HANDICAP	WP.	WATERPROOFING	WATERPROOFING
	WS.	WEATHERSTRIPPING	WEATHERSTRIPPING
	WT.	WEIGHT	WEIGHT
I.D. INSIDE DIAMETER	W.W.F.	WELDED WIRE FABRIC	WELDED WIRE FABRIC
I.P.S. IRON PIPE SIZE	W.	WITH	WITH
INSUL. INSULATION	W/O	WITHOUT	WITHOUT
INT. INTERIOR	W.W.	WINDOW WALL	WINDOW WALL
	WDW.	WINDOW	WINDOW
JT. JOINT	WD.	WOOD	WOOD
LAM. LAMINATE			
LAV. LAVATORY			
LT. WT. LIGHT WEIGHT			

MATERIALS

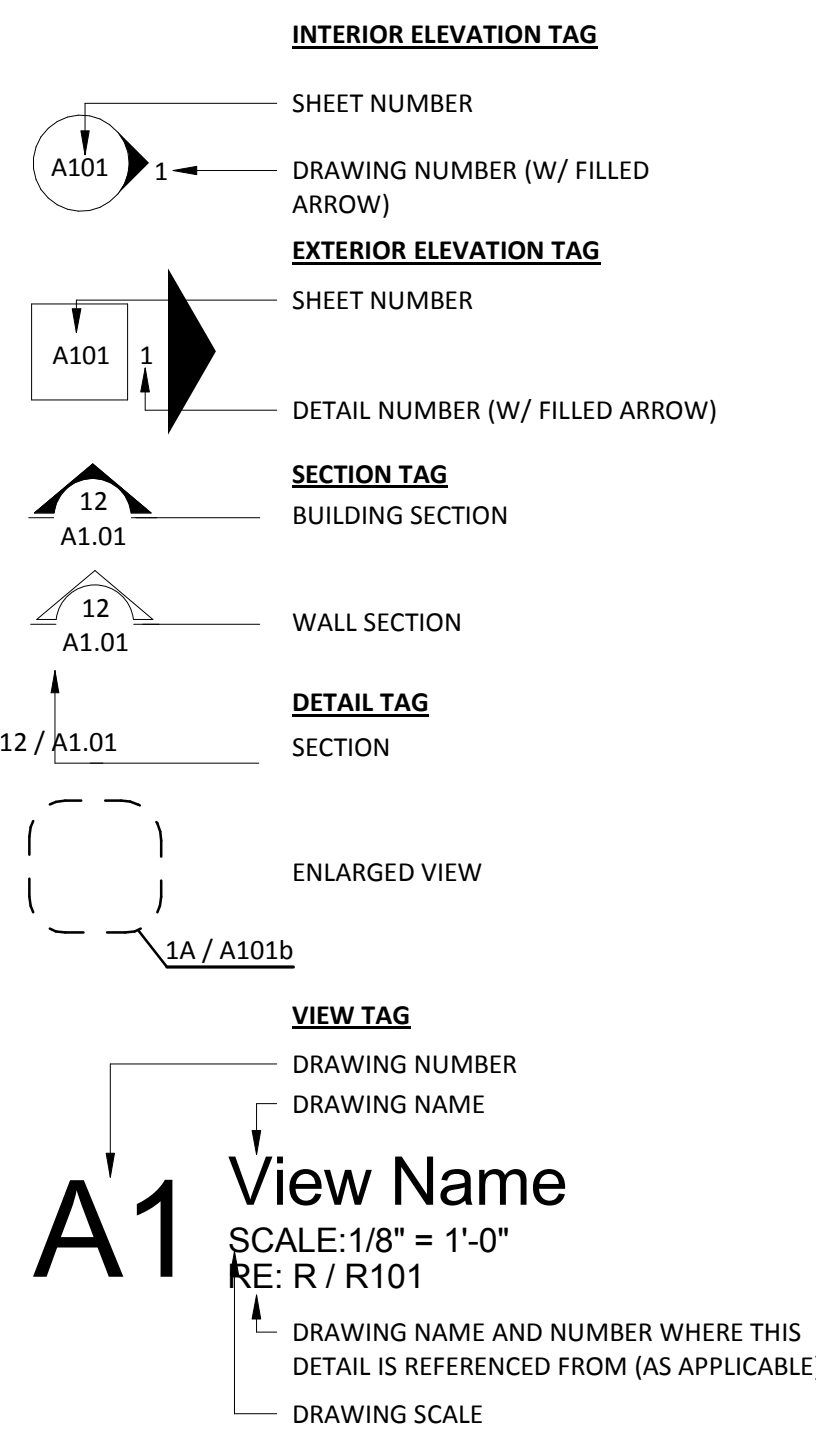


SYMBOLS

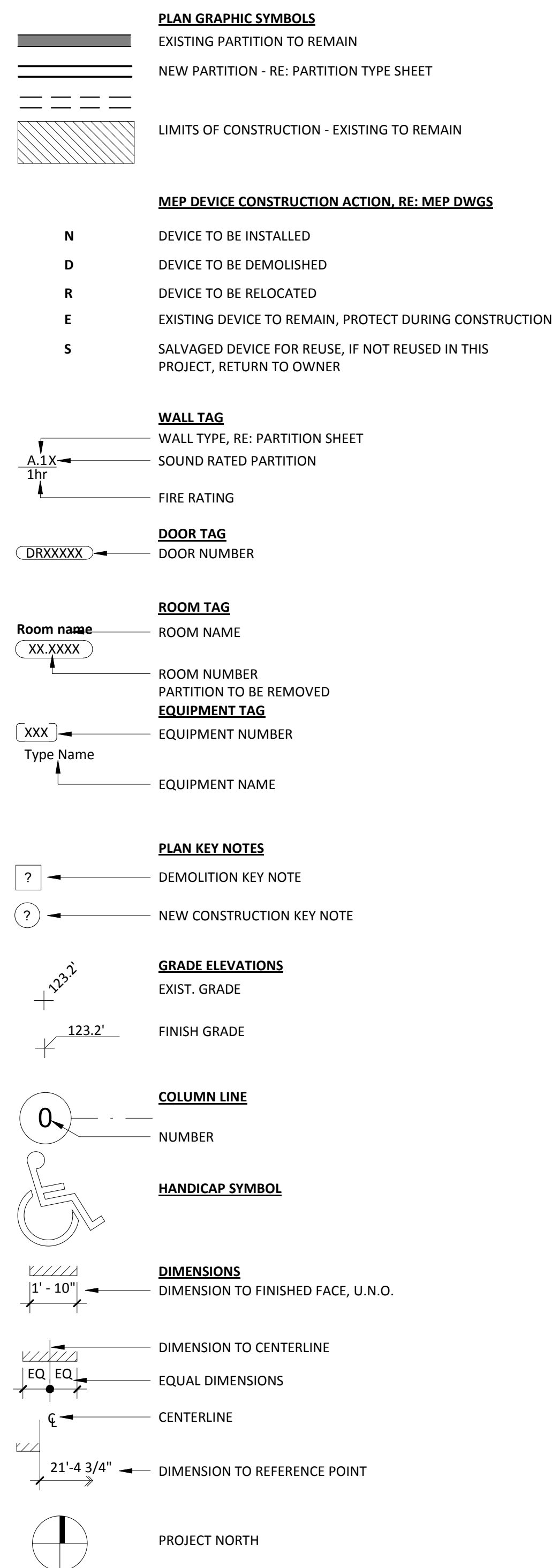
REFLECTED CEILING PLAN SYMBOLS



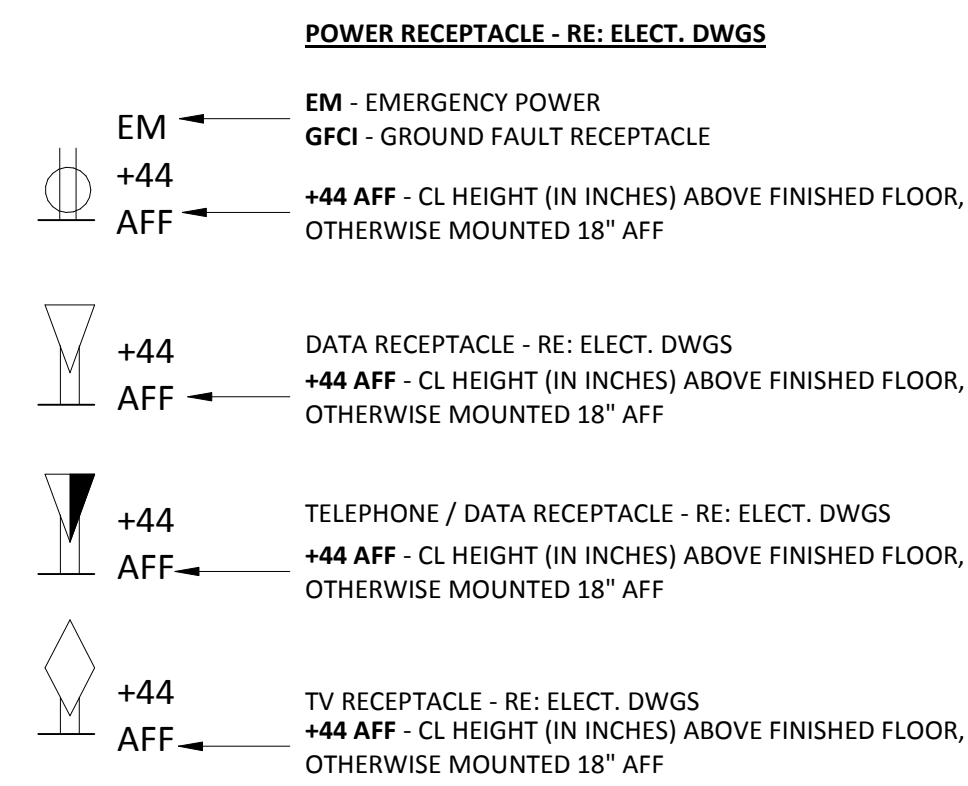
VIEW SYMBOLS



PLAN SYMBOLS



POWER / DATA SYMBOLS



5 SYMBOLS AND ABBREVIATIONS

ARCHITECTURAL SHEET LIST

NUMBER	SHEET NAME
A0.00	COVER
A0.01	SYMBOLS, SHEET INDEX
A5.09	INTERIOR PENETRATION AND INFILL DETAILS
A1.00	DEMO PLAN & DEMO RCP
A2.00	FLOOR PLAN
A5.01	FINISH SCHEDULES
A7.01	INTERIOR ELEVATIONS
A7.10	DETAILS

MEP SHEET LIST

NUMBER	SHEET NAME
MEP0.00	MEP INFO SHEET
MEP1.00	MEP INFO SHEET
E1.00	ELECTRICAL DEMO PLANS
E2.00	ELECTRICAL PLANS AND SCHEDULES
MP2.00	MECHANICAL & PLUMBING PLANS
MP3.01	MECHANICAL & PLUMBING SCHEDULES

3 DRAWING INDEX

CODE / STANDARD ANALYSIS:

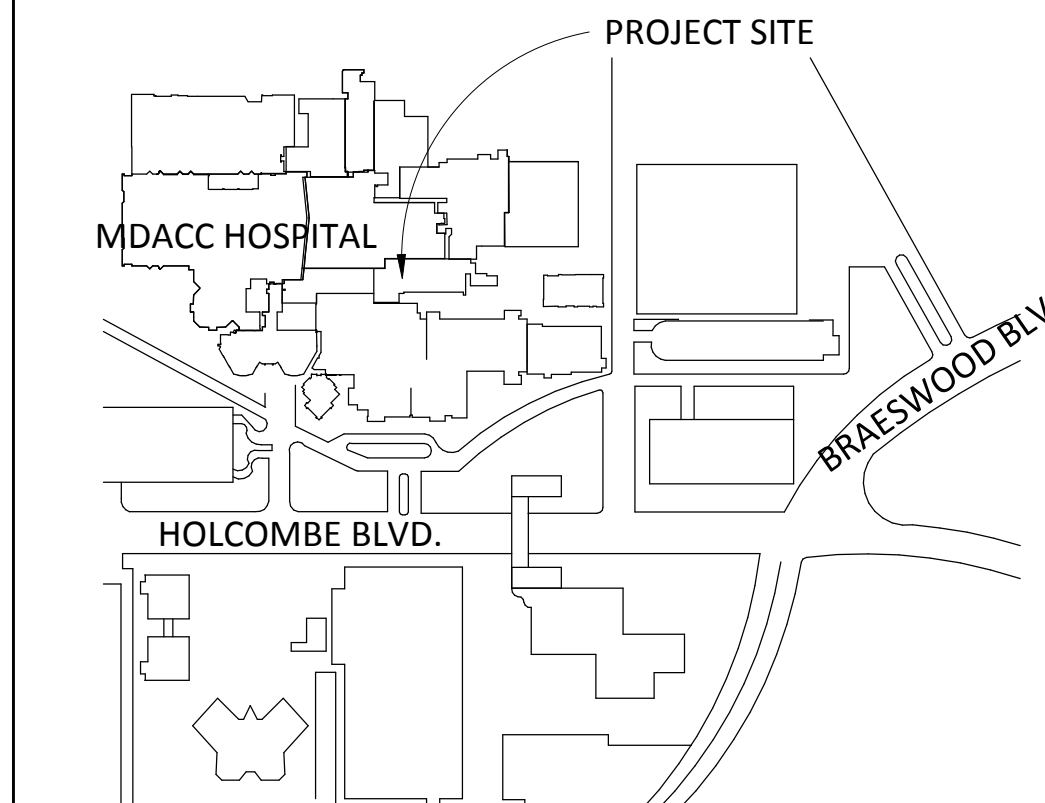
PROJECT INFORMATION:

PROJECT NAME:	B2 MEN'S & WOMEN'S RESTROOM REPAIR
INSTITUTION:	M.D. ANDERSON CANCER CENTER
CLIENT PROJ. NUMBER:	18-0256
CH+P PROJ. NUMBER:	18-007
PROJECT PHASE:	INTERIOR RENOVATION OF (342 SF) RESTROOMS.

APPLICABLE CODES:

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)		
NFPA 101: LIFE SAFETY CODE		2015 EDITION
NFPA 99: HEALTHCARE FACILITIES CODE		2012 EDITION
NFPA 80: STANDARDS FOR DOORS AND OPENINGS		2010 EDITION
NFPA 70: NATIONAL ELECTRIC CODE		2014 EDITION
IBC		2015 EDITION
IMC		2015 EDITION
IPC		2015 EDITION
IFGC		2015 EDITION
NFPA, 70E		2015 EDITION
NFPA, 72		2013 EDITION
2010 ADA STANDARD FOR ACCESSIBLE DESIGN		
2012, TEXAS ACCESSIBILITY STANDARDS		
ASHRAE, 90.1		2010 EDITION
FGI		2014 EDITION

2 CODE SUMMARY



1 PROJECT LOCATION

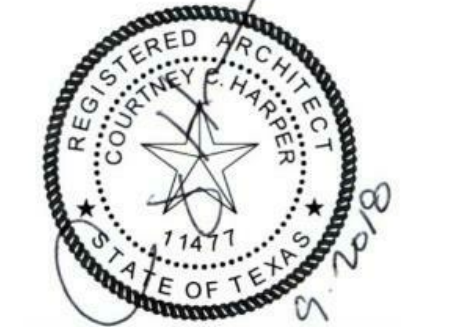
Making Cancer History[®]

C O U R T N E Y



& PARTNERS ARCHITECTS
3801 68th DRIVE
SUITE 244
HOUSTON, TX 77008
713.621.7379
713.621.4688 FAX

Date	Issue	No.
04.09.2018	ISSUED FOR CONSTRUCTION & TDLR REVIEW	



COURTNEY HARPER + PARTNERS
REGISTRATION NO. 11477
ISSUE DATE: 04.09.2018

University of Texas MD Anderson Cancer Center
1515 Holcombe, Houston, TX 77030
B2 MEN'S & WOMEN'S RESTROOM REPAIR

CMP NO.	
CH+P NO.	18-007
LOCATION	
DRAWN BY	KW
CHECKED BY	JC

SHEET TITLE:
SYMBOLS, SHEET INDEX

SHEET:

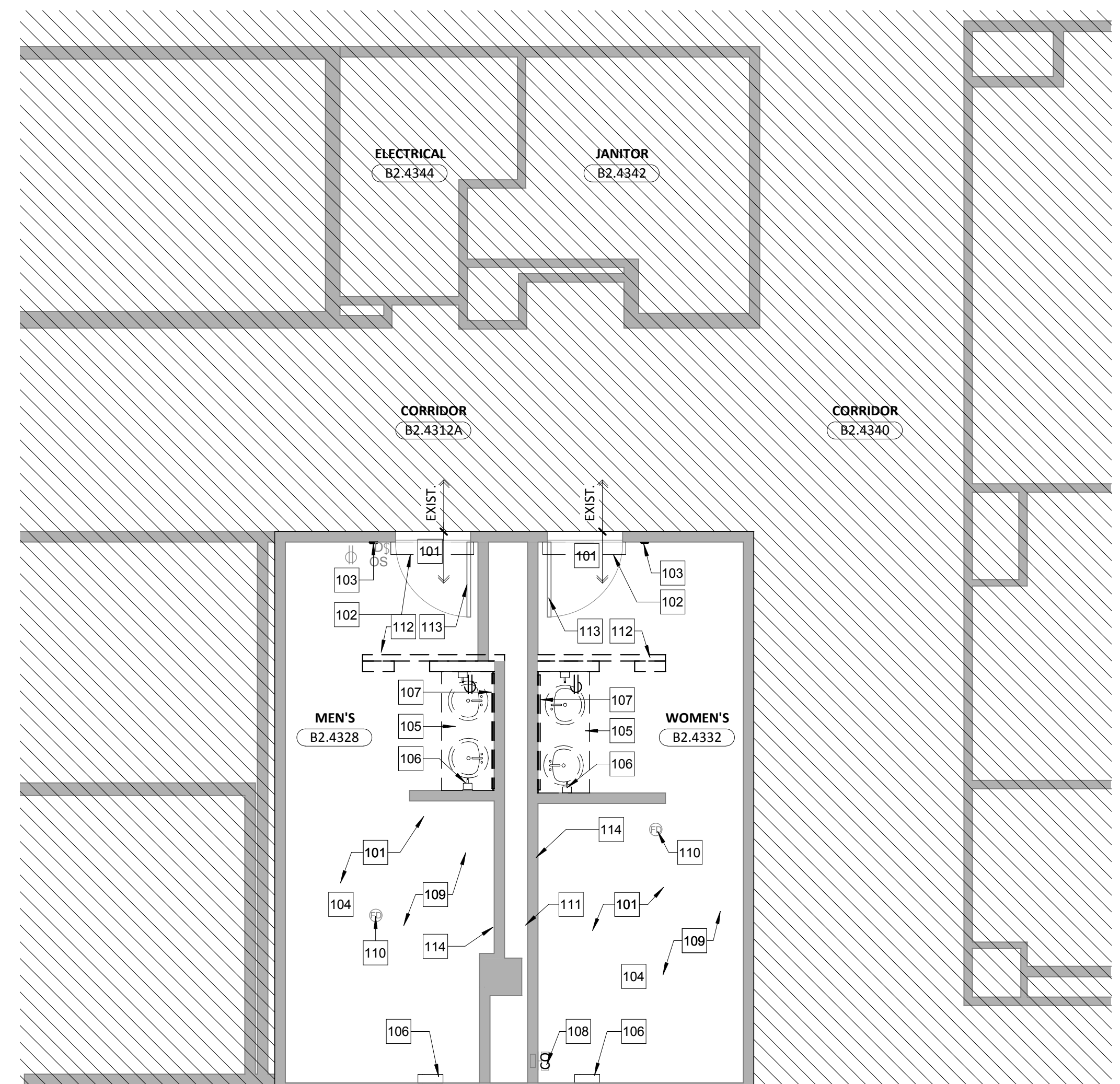
A0.01

OF

FILE PATH: C:\Users\kara\Documents\18-007 B2 Restroom_kara3916M.dwg
 PLOT BY: Author
 LAST PLOTTED: 4/10/2018 7:17:55 AM



13 DEMOLITION RCP
 SCALE: 1/4" = 1'-0"



5 DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"

KEYNOTE LEGEND

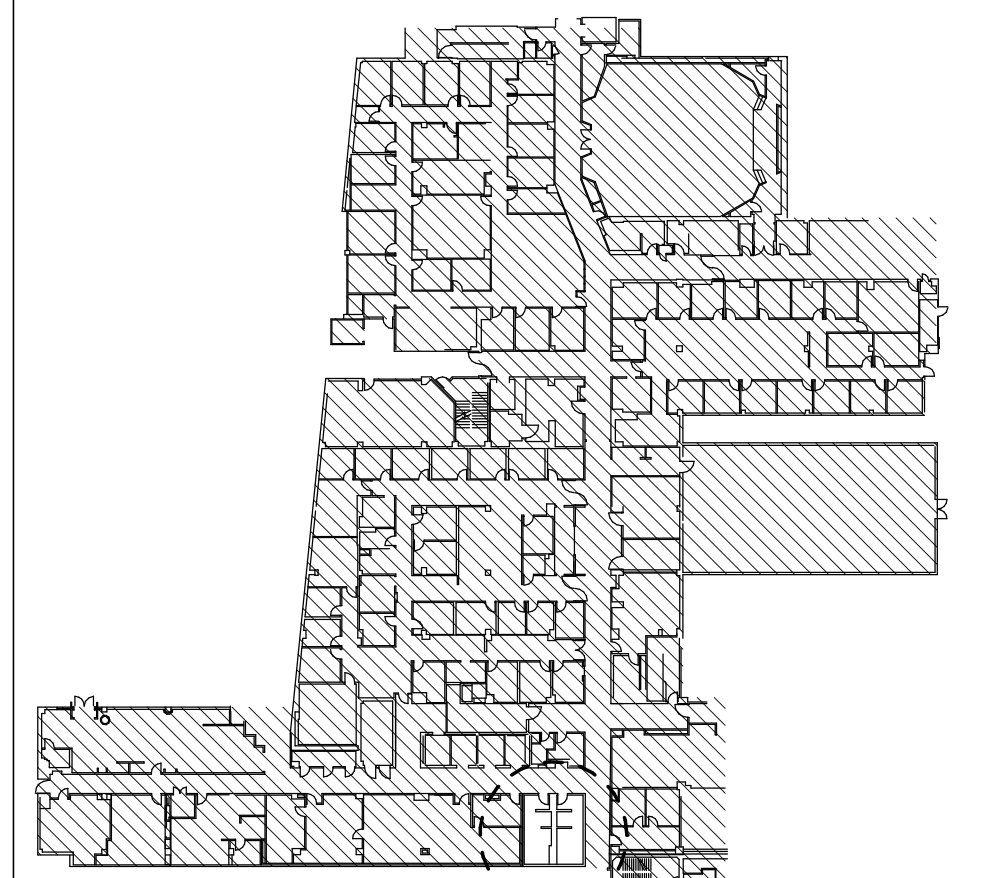
Key Value	Keynote Text
101	DEMO EXISTING FLOOR TILE & PREP SLAB FOR NEW SCHEDULED FINISH.
102	REMOVE EXISTING DOOR OPERATOR ABOVE & SALVAGE FOR RE-INSTALLATION.
103	REMOVE EXISTING DOOR OPERATOR PUSH BUTTON & SALVAGE FOR RE-INSTALLATION.
104	DEMO EXISTING WALL TILE THROUGHOUT, TYP. ALL WALLS.
105	DEMO EXISTING SINKS, COUNTERTOP, & ALL ASSOCIATED SUPPORTS.
106	REMOVE ALL BATHROOM ACCESSORIES THROUGHOUT, TYP.
107	REMOVE EXISTING MIRROR.
108	EXISTING CLEANOUT, REMOVE & SALVAGE FOR RE-INSTALLATION.
109	REMOVE EXISTING GYP BD BACK TO METAL STUD FRAMING THROUGHOUT, TYP. ALL WALLS
110	EXISTING FLOOR DRAIN TO BE DEMOED. RE: PLMB DWGS.
111	EXISTING PLUMBING CARRIERS & PIPING TO REMAIN. PROTECT DURING DEMO/CONST.
112	DEMO EXISTING STUD FRAMING AS INDICATED DASHED.
113	EXISTING DOOR & FRAME TO REMAIN. PROTECT DURING DEMO/ CONST. SAND AND PREP DOORS & FRAMES FOR A NEW FINISH.
114	REMOVE RUSTED TRACK FRAMING & REPLACE WITH NEW METAL TRACK FRAMING, TYP.
201	DEMO EXISTING CEILING & GRID AS INDICATED DASHED.
202	DEMO EXISTING LIGHT FIXTURES AS INDICATED DASHED, RE: ELEC. DWGS.
203	DEMO EXISTING HVAC GRILLES, RE: MECH DWGS.
204	EXISTING SPRINKLER HEADS TO BE MODIFIED FOR NEW CEILING LAYOUT. RE: PLMB DWGS.
205	EXISTING FIRE STROBE TO BE REMOVED & SALVAGED FOR RE-INSTALLATION.
206	REMOVE EXIST. NURSE CALL WALL MTD. DEVICE. PATCH/REPAIR WALL TO MATCH EXISTING.

7 DEMO KEYED NOTES
 N.T.S.

REFLECTED CEILING PLAN SYMBOLS

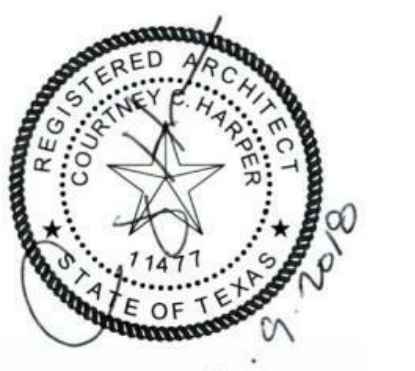
- EXISTING PARTITION TO REMAIN
- PARTITION TO BE REMOVED
- LIMITS OF CONSTRUCTION - EXISTING TO REMAIN
- N NEW
- D TO BE DEMOLISHED
- R TO BE RELOCATED
- E EXISTING
- S SALVAGED FOR REUSE, IF NOT REUSED IN THIS PROJECT, RETURN TO OWNER
- 2'x4' RECESSED FLUORESCENT LIGHT FIXTURE, RE: ELECT DWGS
- 2'x2' RECESSED FLUORESCENT LIGHT FIXTURE, RE: ELECT DWGS.
- RECESSED CAN LIGHT FIXTURE, RE: ELECT DWGS.
- AIR DEVICE, RE: MECH. DWGS
- AIR DEVICE, RE: MECH DWGS
- SPRINKLER HEAD
- SMOKE DETECTOR
- EXIT SIGN
- INDICATES WALL MOUNTED EXIT SIGN
- FILLED QUADRANT INDICATES EXIT SIGN
- ARROW DIRECTION

2 LEGEND
 N.T.S.



1 KEYPLAN
 N.T.S.

Date	Issue	No.
04.09.2018	ISSUED FOR CONSTRUCTION & TDLR REVIEW	



COURTNEY HARPER + PARTNERS
 REGISTRATION NO. 11477
 ISSUE DATE: 04.09.2018

University of Texas MD Anderson Cancer Center
 1515 Holcombe, Houston, TX 77030
B2 MEN'S & WOMEN'S RESTROOM REPAIR

CMP NO.	
CH+P NO.	18-007
LOCATION	
DRAWN BY	Author
CHECKED BY	Checker

SHEET TITLE:
DEMO PLAN & DEMO RCP

SHEET:
A1.00
 OF



**University of Texas MD Anderson Cancer Center
1515 Holcombe, Houston, TX 77030**

CMP NO.	
CH+P NO.	17-028
LOCATION	
DRAWN BY	KAL
CHECKED BY	SAF

SHEET TITLE:
MEP INFO SHEET

MECHANICAL SYMBOLS LEGEND

MARK#	EQUIPMENT MARK AND NUMBER	DESCRIPTION
(Symbol)	(Symbol)	SUPPLY AIR DUCT UP (PLAN)
(Symbol)	(Symbol)	SUPPLY AIR DUCT DOWN (PLAN)
(Symbol)	(Symbol)	RETURN OR OUTSIDE AIR DUCT UP (PLAN)
(Symbol)	(Symbol)	RETURN OR OUTSIDE AIR DUCT DOWN (PLAN)
(Symbol)	(Symbol)	EXHAUST AIR DUCT UP (PLAN)
(Symbol)	(Symbol)	EXHAUST AIR DUCT DOWN (PLAN)
(Symbol)	(Symbol)	RETURN AIR/TRANSFER AIR BOOT
(Symbol)	(Symbol)	CEILING SUPPLY AIR DEVICE
(Symbol)	(Symbol)	SIDEWALL SUPPLY/EXHAUST REGISTER
(Symbol)	(Symbol)	CEILING RETURN AIR / EXHAUST REGISTER
(Symbol)	(Symbol)	RETURN AIR GRILLE WITH BOOT
(Symbol)	(Symbol)	BRANCH DUCT TAP
(Symbol)	(Symbol)	DUCT SPLIT WITH SPLITTER DAMPER
(Symbol)	(Symbol)	ACCESS DOOR
(Symbol)	(Symbol)	TRANSITION IN DUCT
(Symbol)	(Symbol)	FLEXIBLE DUCT CONN. TO RECTANGULAR DUCT WITH SPIN-IN CONNECTOR
(Symbol)	(Symbol)	ACCESS PANEL
(Symbol)	(Symbol)	DUCT ELBOW WITH TURNING VANES
(Symbol)	(Symbol)	DUCT ELBOW WITHOUT VANES
(Symbol)	(Symbol)	FLEXIBLE CONNECTION, FLEXIBLE DUCT
(Symbol)	(Symbol)	VOLUME DAMPER
(Symbol)	(Symbol)	MOTORIZED VOLUME DAMPER
(Symbol)	(Symbol)	FIRE DAMPER
(Symbol)	(Symbol)	SMOKE DAMPER
(Symbol)	(Symbol)	COMBINATION FIRE/SMOKE DAMPER
(Symbol)	(Symbol)	AIR FLOW SWITCH
(Symbol)	(Symbol)	AIR PRESSURE DIFFERENTIAL SWITCH
(Symbol)	(Symbol)	RISE IN DUCT ELEVATION
(Symbol)	(Symbol)	DROP IN DUCT ELEVATION
(Symbol)	(Symbol)	SPLITTER DAMPER - DIMENSION AS NOTED ON DRAWING
(Symbol)	(Symbol)	BACK DRAFT DAMPER
(Symbol)	(Symbol)	UNDERCUT DOOR 1"
(Symbol)	(Symbol)	REFER TO DETAIL #1 ON DRAWING M-7
(Symbol)	(Symbol)	CONNECTION POINT OF NEW TO EXISTING
(Symbol)	(Symbol)	INDICATES DISCONNECTION POINT
(Symbol)	(Symbol)	AIR DEVICE MARK
(Symbol)	(Symbol)	AIR FLOW WITH LETTER DESIGNATION (E = EXHAUST) (R = RETURN)
(Symbol)	(Symbol)	INDICATES SECTION NUMBER INDICATES DRAWING NUMBER
(Symbol)	(Symbol)	INDICATES DETAIL NUMBER INDICATES DRAWING NUMBER
(Symbol)	(Symbol)	MARK#
(Symbol)	(Symbol)	THERMOSTAT - MOUNT 48" AFF UNO
(Symbol)	(Symbol)	HUMIDISTAT
(Symbol)	(Symbol)	FIRESTAT
(Symbol)	(Symbol)	PRESSURE MONITOR
(Symbol)	(Symbol)	SMOKE DETECTOR
(Symbol)	(Symbol)	PIPE UP
(Symbol)	(Symbol)	PIPE DOWN
(Symbol)	(Symbol)	CAP
(Symbol)	(Symbol)	90° ELBOW
(Symbol)	(Symbol)	45° ELBOW
(Symbol)	(Symbol)	45° ELBOW DOWN (OGEE)
(Symbol)	(Symbol)	TEE
(Symbol)	(Symbol)	TEE UP
(Symbol)	(Symbol)	TEE DOWN
(Symbol)	(Symbol)	CROSS
(Symbol)	(Symbol)	UNION (SCREWED)
(Symbol)	(Symbol)	UNION (FLANGED)
(Symbol)	(Symbol)	DUCT MOUNTED TEMPERATURE SENSOR
(Symbol)	(Symbol)	DUCT MOUNTED PRESSURE SENSOR
(Symbol)	(Symbol)	DUCT MOUNTED SMOKE DETECTOR
(Symbol)	(Symbol)	PIPE BREAK
(Symbol)	(Symbol)	CONCENTRIC REDUCER
(Symbol)	(Symbol)	ECCENTRIC REDUCER
(Symbol)	(Symbol)	END SUCTION PUMP
(Symbol)	(Symbol)	BALL VALVE
(Symbol)	(Symbol)	BUTTERFLY VALVE
(Symbol)	(Symbol)	ISOLATION VALVE
(Symbol)	(Symbol)	GATE VALVE WITH QUICK DISCONNECT
(Symbol)	(Symbol)	TWO-WAY VALVE (PNEUMATIC)
(Symbol)	(Symbol)	THREE-WAY VALVE (PNEUMATIC)
(Symbol)	(Symbol)	BALANCING VALVE
(Symbol)	(Symbol)	PIPE ALIGNMENT GUIDE
(Symbol)	(Symbol)	PIPE ANCHOR
(Symbol)	(Symbol)	FLANGED END
(Symbol)	(Symbol)	HUMIDIFIER
(Symbol)	(Symbol)	HEAT TRACING ON PIPE
(Symbol)	(Symbol)	DIFFERENTIAL PRESSURE SENSOR
(Symbol)	(Symbol)	CHECK VALVE, SWING GATE
(Symbol)	(Symbol)	ANGLE PRESSURE RELIEF VALVE
(Symbol)	(Symbol)	PRESSURE REDUCING VALVE
(Symbol)	(Symbol)	LOCK SHIELD
(Symbol)	(Symbol)	QUICK OPENING/CLOSING VALVE
(Symbol)	(Symbol)	PRESSURE REGULATOR
(Symbol)	(Symbol)	STRAINER W/BLOW DOWN VALVE
(Symbol)	(Symbol)	THREE-WAY VALVE (ELECTRIC)
(Symbol)	(Symbol)	TWO-WAY VALVE (ELECTRIC)
(Symbol)	(Symbol)	FLEXIBLE CONNECTION
(Symbol)	(Symbol)	EXPANSION JOINT
(Symbol)	(Symbol)	THERMOMETER
(Symbol)	(Symbol)	THERMOMETER WELL
(Symbol)	(Symbol)	TEST PLUG
(Symbol)	(Symbol)	PRESSURE GAUGE W/GAUGE COCK
(Symbol)	(Symbol)	MANUAL AIR VENT
(Symbol)	(Symbol)	AUTOMATIC AIR VENT
(Symbol)	(Symbol)	SOLENOID VALVE
(Symbol)	(Symbol)	FLOW SWITCH
(Symbol)	(Symbol)	TEMPERATURE AND PRESSURE RELIEF VALVE
(Symbol)	(Symbol)	STEAM TRAP
(Symbol)	(Symbol)	STEAM MOISTURE SEPARATOR
(Symbol)	(Symbol)	STEAM CONTROL VALVE
(Symbol)	(Symbol)	CONTROL, ELECTRIC-PNEUMATIC
(Symbol)	(Symbol)	CONTROL, PNEUMATIC-ELECTRIC
(Symbol)	(Symbol)	RED. PRESS PRINCIPAL BACKFLOW PREVENTER
(Symbol)	(Symbol)	CHILLED WATER RETURN
(Symbol)	(Symbol)	CHILLED WATER SUPPLY
(Symbol)	(Symbol)	CONDENSER WATER RETURN
(Symbol)	(Symbol)	CONDENSER WATER SUPPLY
(Symbol)	(Symbol)	HOT WATER RETURN
(Symbol)	(Symbol)	HOT WATER SUPPLY
(Symbol)	(Symbol)	CONDENSATE DRAIN
(Symbol)	(Symbol)	CENTER LINE
(Symbol)	(Symbol)	DIAMETER
(Symbol)	(Symbol)	SOUND TRAP
(Symbol)	(Symbol)	RELATIVE ROOM PRESSURE
(Symbol)	(Symbol)	NEW CONSTRUCTION
(Symbol)	(Symbol)	EXISTING TO REMAIN

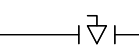
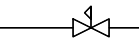


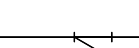
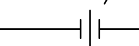
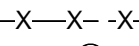

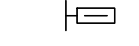
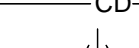

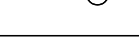
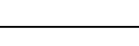
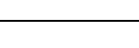
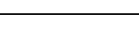
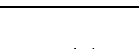
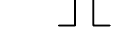
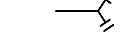
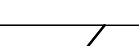
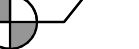
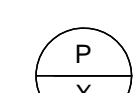
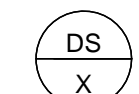
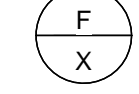
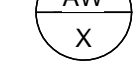
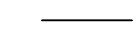

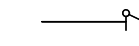

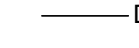
MEP SHEET INDEX

MEP0.00	MEP INFO SHEET
MEP0.01	MEP INFO SHEET
E1.00	ELECTRICAL DEMO PLANS
E2.00	ELECTRICAL PLANS AND SCHEDULES
MP2.00	MECHANICAL & PLUMBING PLANS
MP3.01	MECHANICAL & PLUMBING SCHEDULES

ELECTRICAL SYMBOLS LEGEND

(Symbol)	EMERGENCY BATTERY PACK FIXTURE	(Symbol)	TRANSFORMER
(Symbol)	CEILING EXIT LIGHT - DIRECTIONAL ARROWS	(Symbol)	400A / 3P AUTOMATIC TRANSFER SWITCH AMPS / POLES AS INDICATED ON PLANS
(Symbol)	WHERE INDICATED, SHADED QUADRANTS INDICATE ILLUMINATED FACES	(Symbol)	MOTOR
(Symbol)	WALL EXIT LIGHT - DIRECTIONAL ARROWS	(Symbol)	MAGNETIC MOTOR STARTER, H-O-A-P U.O.N.
(Symbol)	WHERE INDICATED SHADED QUADRANTS INDICATE ILLUMINATED FACES MOUNT	(Symbol)	COMBINATION MOTOR CONTROLLER AND NON-FUSED DISCONNECT SWITCHY DRIVE FURNISHED BY DIV 23, CONNECTED BY DIV 26
(Symbol)	VACANCY SENSOR CEILING MOUNT	(Symbol)	INFRARED SENSORS. SENSORS SHALL BE CONNECTED TO CORRIDOR LIGHTING
(Symbol)	TOGGLE SWITCH, 15A / 277VAC UON	(Symbol)	KEY PAD. CONTRACTOR RESPONSIBLE TO PROVIDE ALL REQUIRED HARDWARE AND ELECTRICAL POSITIONS.
(Symbol)	2 = DOUBLE POLE	(Symbol)	DC
(Symbol)	3 = THREE-WAY	(Symbol)	E
(Symbol)	4 = FOUR-WAY	(Symbol)	R
(Symbol)	a = CONTROLS OUTLET OR FIXTURE NOTED "a"	(Symbol)	100
(Symbol)	K = KEY OPERATED	(Symbol)	100
(Symbol)	P = WITH PILOT LIGHT	(Symbol)	100/100
(Symbol)	T = INTERVAL TIMER, 30 MIN. UON	(Symbol)	FACAP
(Symbol)	M = MOTOR RATED SWITCH, RATED FOR MOTOR SERVED	(Symbol)	FAAP
(Symbol)	MO = SPDT MOMENTARY CONTACT	(Symbol)	SP
(Symbol)	D = DIMMER SWITCH	(Symbol)	TS
(Symbol)	OC = OCCUPANCY SENSOR	(Symbol)	WF
(Symbol)	VS = VACANCY SENSOR	(Symbol)	S
(Symbol)	PC	(Symbol)	D
(Symbol)	TC	(Symbol)	H
(Symbol)	DUPLEX CONVENIENCE RECEPTACLE	(Symbol)	F
(Symbol)	NUMERAL INDICATES CKT NUMBER	(Symbol)	DH
(Symbol)	IG = ISOLATED GROUND (ORANGE DEVICE)	(Symbol)	F
(Symbol)	G = GROUND FAULT INTERRUPTER	(Symbol)	FT
(Symbol)	20A = 20 AMP RATED RECEPTACLE *	(Symbol)	GAP
(Symbol)	* ALL RECEPTACLES ON DEDICATED 20 AMP CIRCUITS SHALL BE RATED 20A	(Symbol)	NCM
(Symbol)	INDICATES WALL OUTLET AT NON-STANDARD HEIGHT WHEN SHOWN ADJACENT TO ANY OUTLET OR RECEPTACLE. AT COUNTERS, MOUNT 6" ABOVE SPLASH UON	(Symbol)	ES
(Symbol)	URUPLEX RECEPTACLE	(Symbol)	EP
(Symbol)	FLUSH FLOOR DUPLEX RECEPTACLE	(Symbol)	DS
(Symbol)	FLUSH FLOOR QUADRUPLER RECEPTACLE	(Symbol)	SS
(Symbol)	PLUGMOLD WITH DUPLEX OUTLETS, 18" OC U.O.N.	(Symbol)	CB
(Symbol)	*12" INDICATES OUTLETS 12" OC	(Symbol)	RR
(Symbol)	*24" INDICATES OUTLETS 24" OC	(Symbol)	D
(Symbol)	*C" INDICATES WITH COMM COMPARTMENT	(Symbol)	NCC
(Symbol)	TV	(Symbol)	
(Symbol)	TELEVISION SIGNAL OUTLET	(Symbol)	
(Symbol)	WALL MOUNTED DATA/TELEPHONE	(Symbol)	
(Symbol)	FLOOR DATA OUTLET	(Symbol)	
(Symbol)	WALL TELEPHONE OUTLET WITH PLATE (W-WALL MOUNTED)	(Symbol)	
(Symbol)	J	(Symbol)	
(Symbol)	CEILING MOUNTED JUNCTION BOX	(Symbol)	
(Symbol)	J	(Symbol)	
(Symbol)	FLUSH WALL MOUNTED JUNCTION BOX FOR MOUNTING HEIGHT REFER TO ARCHITECTURAL AND MEDICAL EQUIPMENT PLAN DRAWINGS.	(Symbol)	
(Symbol)	FLOOR MOUNTED JUNCTION BOX	(Symbol)	
(Symbol)	CONDUIT TURNING UP/DOWN	(Symbol)	
(Symbol)	CAPPED CONDUIT	(Symbol)	
(Symbol)	GROUND CONNECTION	(Symbol)	
(Symbol)	CONDUIT HOME RUN TO PANEL BOARD "1LB" WITH CIRCUITS 1,3,5	(Symbol)	
(Symbol)	DISCONNECT SWITCH - 30A, NON-FUSED, 3-POLE UON. NEMA 1 ENCLOSURE EXCEPT "3R" INDICATES NEMA 3R.	(Symbol)	
(Symbol)	FLUSH MOUNTED CIRCUIT BREAKER 100A FRAME/60A TRIP 3 POLE UON	(Symbol)	
(Symbol)	PANELBOARD	(Symbol)	
(Symbol)	LRP	(Symbol)	
(Symbol)	LIGHTING RELAY PANEL	(Symbol)	

PLUMBING SYMBOLS LEGEND

—W—	SANITARY WASTE PIPING		PLUG VALVE
—GW—	GREASE WASTE PIPING		PRESSURE REDUCING VALVE
—SV—	SANITARY VENT PIPING		TEMPERATURE AND PRESSURE RELIEF VALVE
—GV—	GREASE VENT PIPING		BALL VALVE
—(E)SS—	EXISTING SANITARY VENT PIPING		STRAINER
—SD—	STORM DRAIN PIPING		UNION
—OD—	STORM OVERFLOW DRAIN PIPING		ITEMS TO BE REMOVED
—SSD—	SUB-SOILED DRAIN PIPING		PRESSURE GAUGE
—OW—	OILY WASTE		THERMOMETER
—F—	FIRE PROTECTION MAIN		CONDENSATE DRAIN LINE
—A/S—	AUTOMATIC SPRINKLER		BRANCH CONNECTION, TOP
—G—	NATURAL GAS		BRANCH CONNECTION, BOTTOM
—CD—	CONDENSATE DRAIN		ELBOW UP
—SCW—	SOFTENED COLD WATER		ELBOW DOWN
—MV—	MEDICAL VACUUM		FLOOR CLEANOUT
—MO—	MEDICAL OXYGEN		WALL CLEANOUT
—N—	NITROGEN		FLOOR DRAIN
—MA—	MEDICAL AIR		VENT THRU ROOF
—N2O—	NITROUS OXIDE		HOSE BIBB
—AV—	ACID VENT		(N)NEW CONNECTION TO (E)EXISTING
—AW—	ACID WASTE		PLUMBING RISER IDENTIFICATION
—CA—	COMPRESSES AIR		DOWN SPOUT RISER IDENTIFICATION
—RO—	REVERSE OSMOSIS		FIRE RISER IDENTIFICATION
—	DOMESTIC COLD WATER		ACID WASTE RISER IDENTIFICATION
—	DOMESTIC HOT WATER		
—	DOMESTIC HOT WATER RETURN		
—	EXISTING DOMESTIC COLD WATER		
	GATE VALVE		
	GLOBE VALVE		
	CHECK VALVE		
	BUTTERFLY VALVE		
	HEAT TRACE AND INSULATE		
—DFS—	DIESEL FUEL SUPPLY		
—DFR—	DIESEL FUEL RETURN		

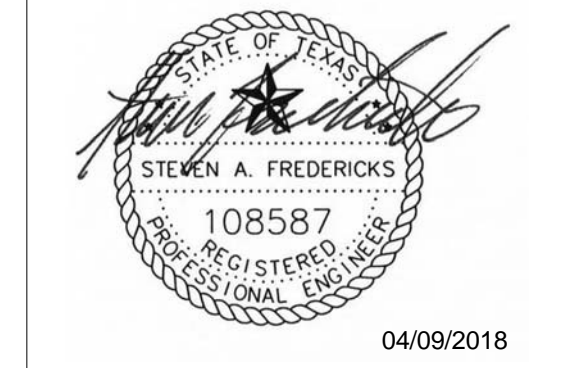
ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
A	AMPS	ELEC	ELECTRIC
AC	ALTERNATING CURRENT/ABOVE COUNTER	ELEV	ELEVATOR
A.D.	AREA DRAIN	EM	ON EMERGENCY CIRCUIT
ADJ	ADJACENT	EQ	EQUIVALENT
AFJ	ABOVE FINISHED FLOOR	EMT	ELECTRICAL METALLIC TUBING
AFG	ABOVE FINISHED GRADE	EPO	EMERGENCY POWER OFF
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	EQMT	EQUIPMENT
ARCH	ARCHITECTURAL	(E)	EXISTING
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	F.D.C.	FIRE DEPARTMENT CONNECTION
ASYM	ASYMMETRICAL	F.H.C.	FIRE HOSE CABINET
ATS	AUTOMATIC TRANSFER SWITCH	F.	FIRE
AUX	AUXILIARY	FA	FIRE ALARM
AV	AUDIO/VISUAL	FC	FOOT CANDLE
AWG	AMERICAN WIRE GAUGE	FDR	FEEDER
BLDG	BUILDING	FIXT	FIXTURE
B.F.P.	BACKFLOW PREVENTER	FL	FLUSH
B.V.	BALANCING VALVE	FLA	FULL LOAD AMPERES
B.D.	BALCONY DRAIN	FLR	FLOOR
B.S.	BAR SINK	FLUOR	FLUORESCENT
B.T.	BATHTUB/SHOWER	FT	FEET
BLW.	BELOW	F.F.	FINISHED FLOOR
C	CONDUIT	FLR.	FLOOR
C/B	CIRCUIT BREAKER	F.C.O.	FLOOR CLEAN OUT
CAT	CATALOG	F.D.	FLOOR DRAIN
CKT	CIRCUIT	F.S.	FLOOR SINK
CL	CLOCK	G.P.H.	GALLONS PER HOUR
CLG	CEILING	G.P.M.	GALLONS PER MINUTE
COL	COLUMN	G.V.	GREASE VENT
CONC	CONCRETE	G.C.O.	GRADE CLEAN OUT
CONT	CONTINUOUS	GA	GAUGE
CONV	CONVENIENCE	GALV	GALVANIZED
C/T	CURRENT TRANSFORMER	GFI	GROUND FAULT CIRCUIT INTERRUPTER
C.V.	CHECK VALVE	GFP	GROUND FAULT PROTECTION
C.O.	CLEANOUT	GND	GROUND
C.W.	COLD WATER	GRC	GALVANIZED RIGID CONDUIT
COND.	CONDENSATE	H.W.	HOT WATER
CONT.	CONTINUED	H.W.R.	HOT WATER RETURN
D.D.	DECK DRAIN	HGT	HEIGHT
°F	DEGREES FAHRENHEIT	HOA	HAND OFF AUTOMATIC
D.	DRAIN	HORIZ	HORIZONTAL
D.F.U.	DRAINAGE FIXTURE UNITS	HP	HORSEPOWER
DC	DIRECT CURRENT	HTG	HEATING
DIA	DIAMETER	HVAC	HEATING, VENTILATING & AIR CONDITIONING
DP	DISTRIBUTION PANEL	INV.	INVERT
DWG	DRAWING	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS	
E	EXISTING TO REMAIN		
EC	EMPTY CONDUIT		
EL	ELEVATION		

ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
IG	ISOLATED GROUND	R	REMOVE
INCAND	INCANDESCENT	RC	REMOTE CONTROL
INSUL	INSULATION	RECEPT	RECEPTACLE
INT	INTERCOM	REL	RELOCATE
J-BOX	JUNCTION BOX	REQ	REQUIRED
KVA	KILOVOLT AMPERES	REV	REVERSE
KW	KILOWATT	RM	ROOM
KWH	KILOWATT HOURS	RMS	ROOT MEAN SQUARE
LBS	POUNDS	SP	SPARE
LOC.	LOCATED	SPD	SURGE PROTECTION DEVICE
LP	LIGHTING PANEL	SPECS	SPECIFICATIONS
LTG	LIGHTING	SPKLR	SPRINKLER
MA	MILLIAMPS	SPKR	SPEAKER
MACH	MACHINE	SQ	SQUARE
MC	METAL-CLAD CABLE	STD	STANDARD
MCB	MAIN CIRCUIT BREAKER	SURF	SURFACE
MCC	MOTOR CONTROL CENTER	SW	SWITCH
MCM	THOUSAND CIRCULAR MILS	SWBD	SWITCHBOARD
MCP	MOTOR CONTROL PANEL	SWGR	SWITCHGEAR
MIC	MICROPHONE	SUSP	SUSPENDED
MLO	MAIN LUGS ONLY	SYM	SYMMETRICAL
MTD	MOUNTED	TEL	TELEPHONE
MTR	MOTOR	TELCO	TELEPHONE COMPANY
N	NEUTRAL	TV	TELEVISION
NC	NORMALLY CLOSED	TYP	TYPICAL
NEC	NATIONAL ELECTRICAL CODE	UC	UNDERCOUNTER
NEMA	NATIONAL ELEC MANUFACTURERS ASSOC.	UFD	UNDERFLOOR DUCT
NETA	NATIONAL ELECTRICAL TESTING ASSOC.	UL	UNDERWRITERS LABORATORIES, INC.
NF	NON-FUSE	V.T.R.	VENT THRU ROOF
NFPA	NATIONAL FIRE PROTECTION ASSOC.	V	VOLTS
NL	ON NIGHT LIGHTING CIRCUIT	VA	VOLT AMPERES
NO	NORMALLY OPEN	VENT	VENTILATING
O/C	OVERCURRENT	VERT	VERTICAL
OL	OVERLOAD	VP	VAPORPROOF
LB.	POUNDS	W.C.O.	WALL CLEAN OUT
P.S.I.	POUNDS PER SQUARE INCH	W.H.	WALL HYDRANT
P	POLES	W.B.	WASHER BOX
PB	PULL BOX	W.C.	WATER CLOSET
PF	POWER FACTOR	WG	WIRE GUARD
PH	PHASE	WP	WEATHERPROOF
PLB	PLUMBING	XFMR	TRANSFORMER
PNL	PANEL	YD	YARD
PP	POWER PANEL	1/C, 2/C,	1 CONDUCTOR, 2 CONDUCTORS, ETC.
P/T	POTENTIAL TRANSFORMER		
PVC	POLYVINYL CHLORIDE		
PWR	POWER		
QUAD	QUADRUPLEX		

Date	Issue	No.
04/09/18	Issued for TDLR Review and Construction	



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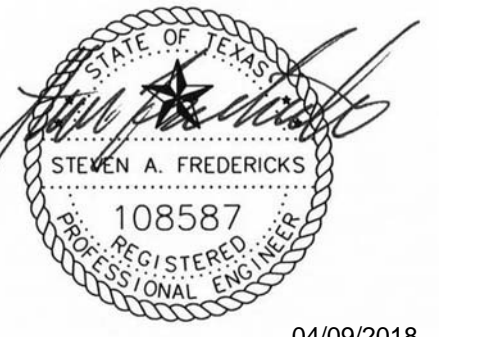
University of Texas MD Anderson Cancer Center
 1515 Holcombe, Houston, TX 77030

CMP NO.	
CH+P NO.	17-028
LOCATION	
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SHEET TITLE:
MEP INFO SHEET

SHEET:
MEP0.01
 OF

Date	Issue	No.
04/09/18	Issued for TDLR Review and Construction	



04/09/2018

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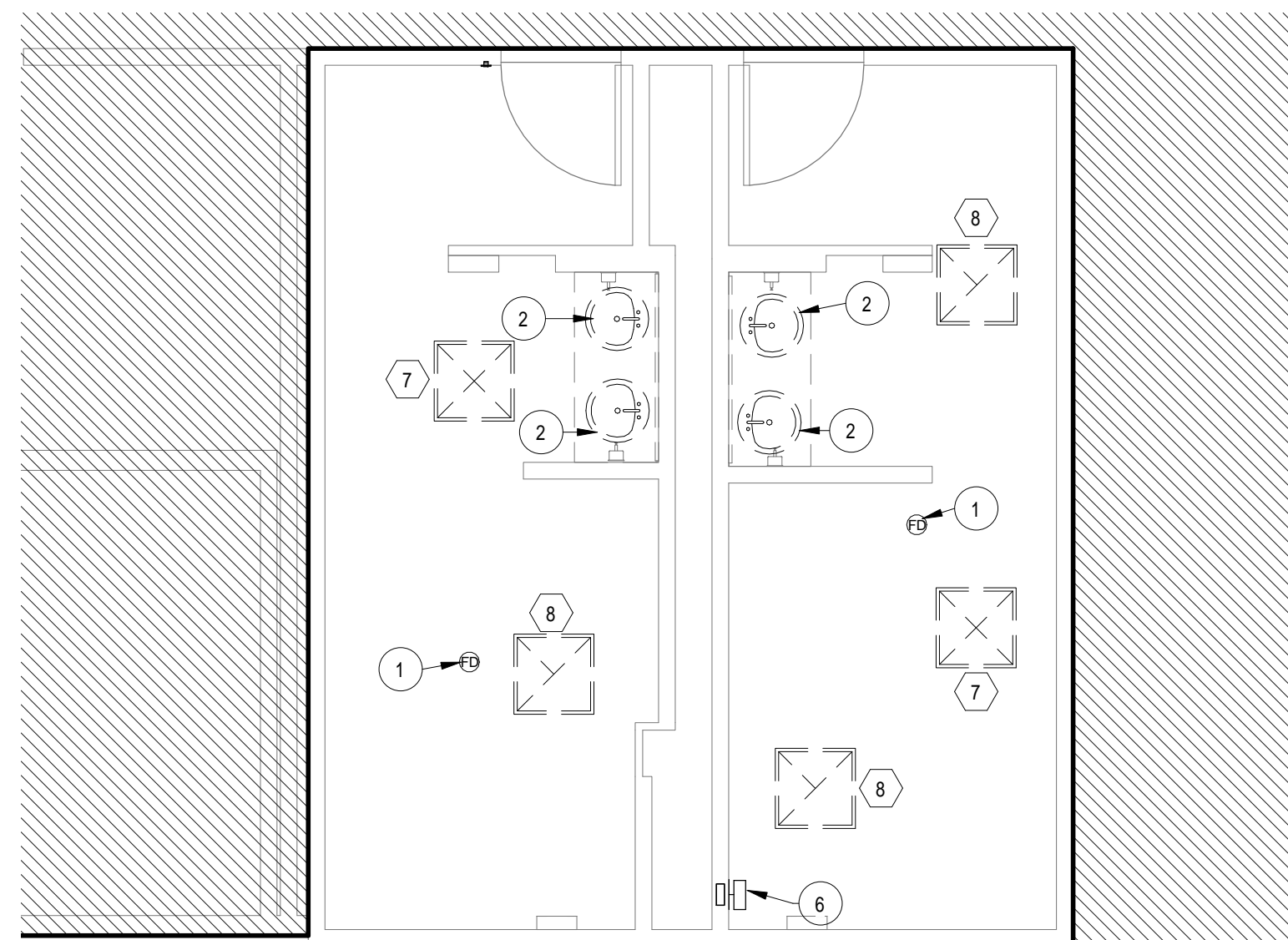
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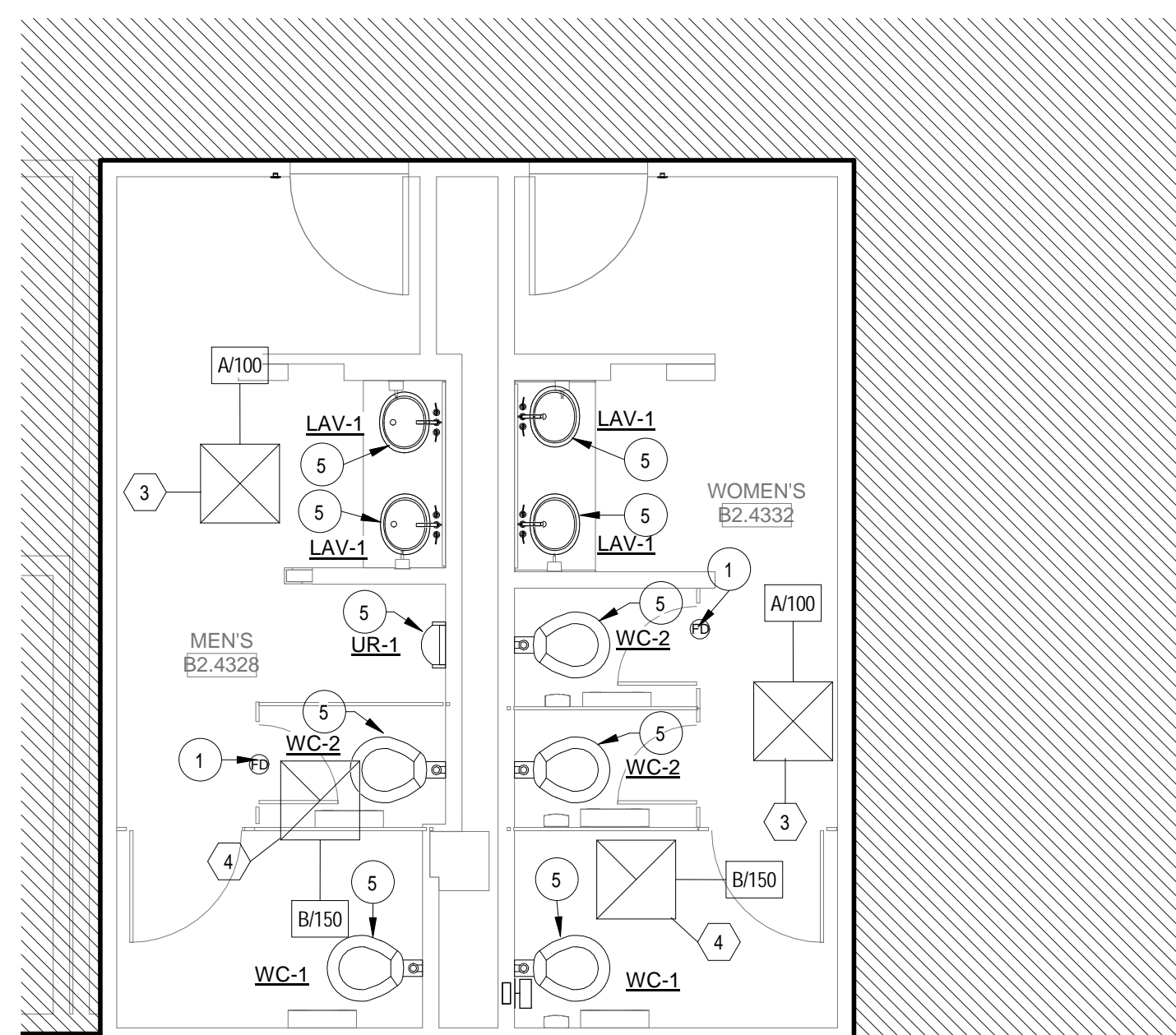
SHEET TITLE:
MECHANICAL & PLUMBING PLANS

SHEET:
MP2.00

OF



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



2 MECHANICAL & PLUMBING PLAN
SCALE: 1/4" = 1'-0"

DEMOLITION GENERAL NOTES

- REFER TO MECHANICAL INFORMATION SHEET FOR ABBREVIATIONS AND NOTES.
- COORDINATE CEILING AIR DEVICES WITH LIGHT FIXTURES AND OTHER CEILING MOUNTED DEVICES.
- MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES ON ALL EQUIPMENT.
- PROVIDE YOUNG REGULATORS FOR ALL VOLUME DAMPERS ABOVE INACCESSIBLE UNLESS OTHERWISE NOTED. COORDINATE CEILING MOUNTED ADJUSTING PORTS WITH EXISTING CEILING ELEMENTS, LINE UP SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- PROVIDE ACCESS CEILING PANELS TO MOTORIZED DAMPERS, VALVES AND EQUIPMENT ABOVE INACCESSIBLE CEILINGS. COORDINATE LOCATIONS WITH ARCHITECTURAL.
- PRIOR TO ORDERING SHEET METAL, FIELD VERIFY AND COORDINATE EXACT DUCT ROUTING WITH NEW AND EXISTING STRUCTURAL CONDITIONS AND PROVIDE SHOP DRAWINGS FOR REVIEW.
- CONTRACTOR SHALL TAKE PRE-CONSTRUCTION CFM READINGS OF ALL AFFECTED AIR DEVICES. REBALANCE AIR DEVICES AT THE END OF THE JOB TO PRE-CONSTRUCTION READINGS, U.N.O.
- ANY CONDENSATE PIPING ROUTED TO A SINK BEING DEMOLISHED SHALL BE RE-ROUTED TO NEW SINK LOCATION.

KEYED NOTES

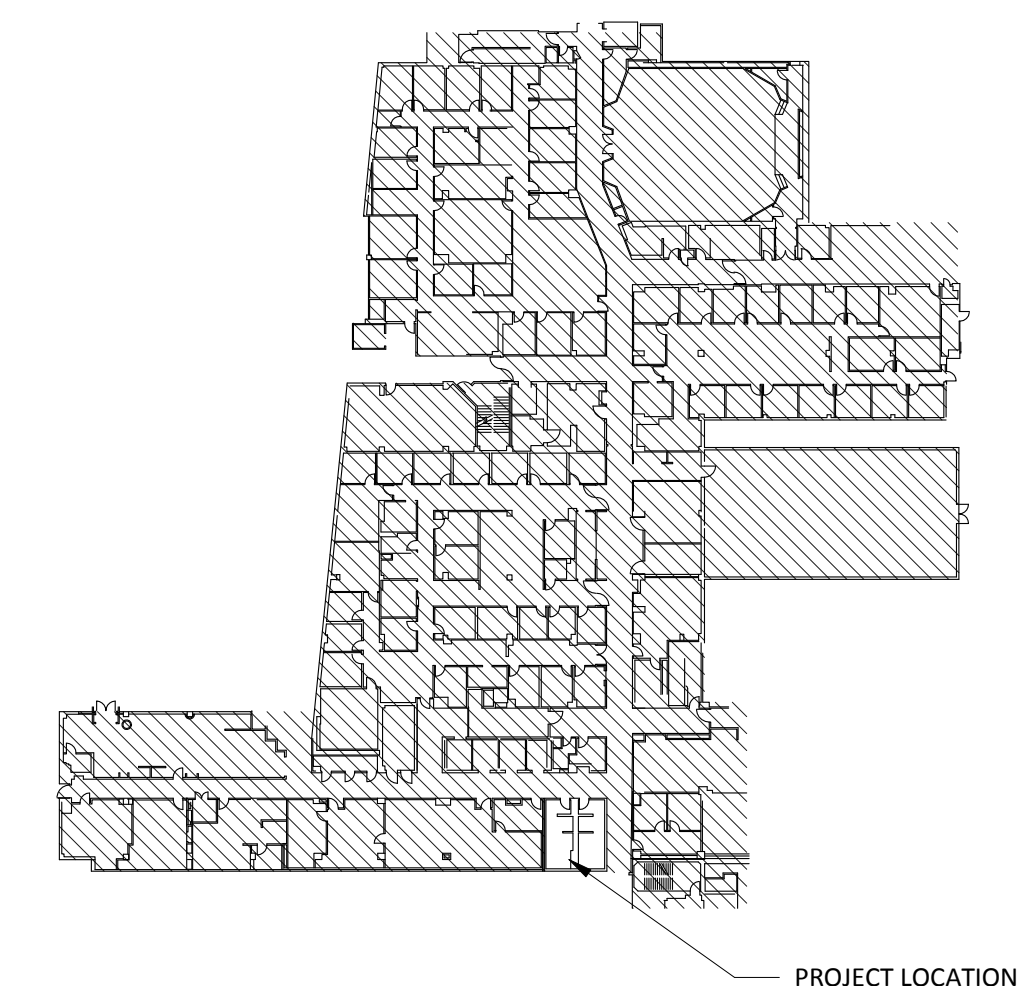
- REMOVE EXISTING FLOOR DRAIN GRATE AND PROVIDE NEW SQUARE GRATE FROM SAME MANUFACTURER. CONTRACTOR TO CONFIRM FLOOR DRAIN IS ADJUSTABLE.
- REMOVE EXISTING PLUMBING FIXTURE(S), FAUCET, AND ALL SUPPLIES AND RETURN TO OWNER FOR DISPOSAL. CAP/PLUG EXISTING CW, HW, & VENT PIPING WITHIN WALL FOR RECONNECTION TO NEW FIXTURE(S). CAP/PLUG EXISTING WASTE PIPING ABOVE FLOOR FOR RECONNECTION TO NEW FIXTURE(S).
- PROVIDE NEW AIR DIFFUSER AND MAKE CONNECTION TO EXISTING DUCTWORK. BALANCE TO CFM SHOWN ON PLANS. CONTRACTOR SHALL FIELD VERIFY DUCTWORK LOCATION.
- PROVIDE NEW EXHAUST GRILLE AND MAKE CONNECTION TO EXISTING EXHAUST DUCTWORK. BALANCE TO CFM SHOWN ON PLANS. CONTRACTOR SHALL FIELD VERIFY DUCTWORK LOCATION.
- PROVIDE AND INSTALL NEW PLUMBING FIXTURE. MAKE CONNECTION TO EXISTING PLUMBING ROUGH-IN FROM PREVIOUSLY REMOVED FIXTURES. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION.
- EXISTING WALL CLEAN-OUT SHALL BE REMOVED AND SALVAGED FOR RE-INSTALLATION.
- EXISTING AIR DIFFUSER TO BE DEMOLISHED. REMOVE ALL UNUSED BRANCH DUCTWORK BACK TO POINT ORIGIN. CAP AND SEAL ALL UNUSED DUCTWORK OPENINGS AIR TIGHT.
- EXISTING EXHAUST GRILLE TO BE DEMOLISHED. REMOVE ALL UNUSED BRANCH DUCTWORK BACK TO POINT ORIGIN. CAP AND SEAL ALL UNUSED DUCTWORK OPENINGS AIR TIGHT.

GENERAL DEMO NOTES

- THE INFORMATION ON THE DEMOLITION DRAWINGS ARE NOT FROM "AS-BUILT" DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO SUBMITTING A BID TO DETERMINE THE AMOUNT AND EXTENT OF WORK THAT SHALL BE REQUIRED. THE CONTRACTOR SHALL EXAMINE THE EXISTING BUILDING AND VERIFY THE LOCATION OF ALL EXISTING CONDITIONS THAT ARE READILY OBSERVABLE. SUBMISSION OF A BID SHALL CONSTITUTE THAT THE SUBMITTING CONTRACTOR HAS INSPECTED THE JOB SITE AND BECOME FAMILIAR WITH THE PROPOSED WORK.
- COORDINATE ALL DEMOLITION WORK WITH ALL OTHER TRADES AND ARCHITECT PRIOR TO REMOVAL OF EQUIPMENT, FIXTURES AND PIPING.
- REASONABLE EFFORT HAS BEEN MADE TO PRODUCE DEMOLITION DRAWINGS WHICH REPRESENT ACTUAL CONDITIONS, HOWEVER, THE PLUMBING DRAWINGS MAY NOT ACCURATELY REFLECT ALL EXISTING KNOWN CONDITIONS.
- NOTIFY A/E IMMEDIATELY OF ANY VARIATIONS THAT ARE DIFFERENT FROM THE DEMOLITION DRAWINGS PRIOR TO STARTING ANY WORK IN THAT AREA.
- ALL PLUMBING FIXTURES SCHEDULED TO BE DEMOLISHED SHALL BE RETURNED TO OWNER. IF REFUSED, THEN DISPOSE OF PROPERLY.
- EXISTING FIXTURES SCHEDULED TO REMAIN SHALL BE CLEANED, FLUSHED AND SANITIZED PRIOR TO TURNING THE PROJECT OVER TO THE OWNER.

FIRE SPRINKLER NOTE:

THE PROJECT AREA IS CURRENTLY FULLY 100% SPRINKLED WITH AN AUTOMATIC WET PIPE SPRINKLER SYSTEM. SYSTEM(S) SHALL BE REVISED AS REQUIRED BY A LICENSED SPRINKLER ENGINEER OR LICENSED SPRINKLER CONTRACTOR, TO PROVIDE DRAWINGS AND CALCULATIONS TO COMPLY WITH NEW SPACE LAYOUT. NFPA 13, ALL STATE AND LOCAL CODE REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. RE-WORK AND OR RELOCATE SPRINKLER HEADS AS REQUIRED FOR NEW CEILING LAYOUT.



1 KEYPLAN
N.T.S.

PIPING MATERIALS	
1.	SANITARY WASTE (ABOVE SLAB): - CAST IRON NO-HUB PIPE AND FITTINGS WITH NO-HUB JOINTS. (HEAVY DUTY 4 BAND COUPLING)
2.	VENT BRANCHES (ABOVE SLAB): - CAST IRON NO-HUB PIPE AND FITTINGS WITH NO-HUB JOINTS. (HEAVY DUTY 4 BAND COUPLING).
3.	DOMESTIC WATER: - TYPE "L" COPPER TUBING WITH WROUGHT COPPER FITTINGS AND 95/5 (TIN/ANTIMONY) SOLDER JOINTS.
4.	REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

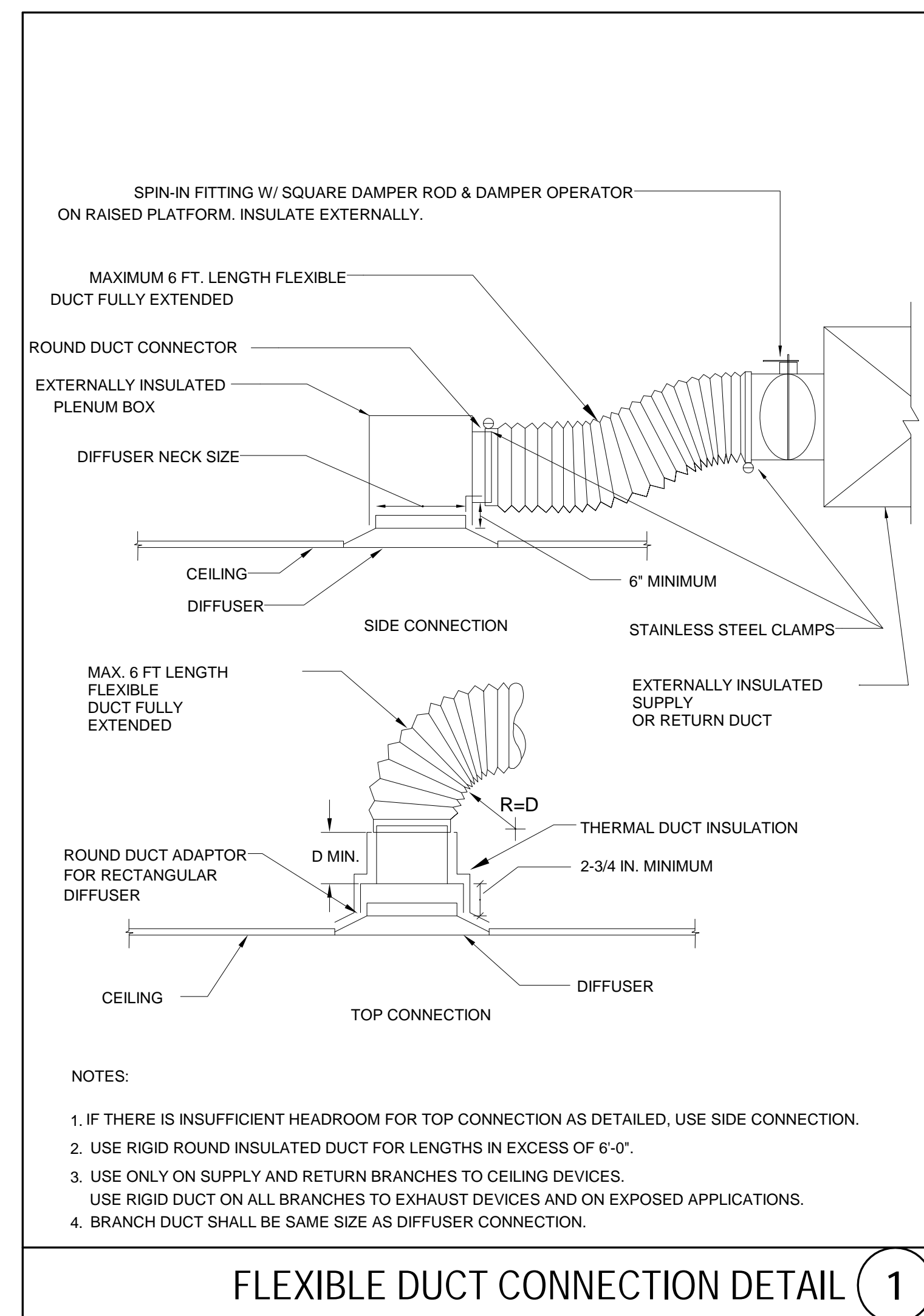
SHOCK ARRESTOR SCHEDULE	
FIXTURE UNITS	SIZE
1-11	1/2" NPT
12-32	3/4" NPT
33-60	1" NPT
61-113	1 1/4" NPT
114-154	1 1/2" NPT
155-330	2" NPT

NOTES:
1. ALL FIXTURE WATER SUPPLIES SHALL BE INSTALLED WITH APPROPRIATELY SIZED ARRESTORS IN COMPLIANCE WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

PLUMBING FIXTURE SCHEDULE				
ID	ITEM	MANUFACTURER/ MODEL NO.	FIXTURE SERVICE	REMARKS
WC-1	WATER CLOSET WALL HUNG BARRIER-FREE	WATER CLOSET (A.D.A. COMPLIANT) - AMERICAN STANDARD 2257.101 "AFWALL" ADA, W/RIM AT 17'-1/2" AFF. WALL MOUNTED FOR FLUSH VALVE APPLICATION. WHITE VITREOUS CHINA, ELONGATED SIPHON ACTION JETTED BOWL, 1.28 GALLON PER FLUSH. FLUSH VALVE - SLOAN OPTIMA PLUS 8111-1.28 BATTERY POWERED, SENSOR ACTIVATED VALVE WITH MANUAL OVERRIDE. SEAT - PROVIDE INSTITUTIONAL TYPE AS NOTED IN THE SPECIFICATIONS.	1-1/2" CW 4" WASTE 2" VENT	INSTALL FLUSH VALVE TO THE APPROACH SIDE OF THE STALL. REFER TO ARCHITECTURAL ADA REQUIREMENTS.
WC-2	WATER CLOSET WALL HUNG	WATER CLOSET - AMERICAN STANDARD 2257.101 "AFWALL" W/RIM AT 15" AFF. WALL MOUNTED FOR FLUSH VALVE APPLICATION, WHITE VITREOUS CHINA, ELONGATED SIPHON ACTION JETTED BOWL, 1.28 GALLON PER FLUSH. FLUSH VALVE - SLOAN OPTIMA PLUS 8111-1.28 BATTERY POWERED, SENSOR ACTIVATED VALVE WITH MANUAL OVERRIDE. SEAT - PROVIDE INSTITUTIONAL TYPE AS NOTED IN THE SPECIFICATIONS.	1-1/2" CW 4" WASTE 2" VENT	
UR-1	URINAL WALL HUNG BARRIER FREE	AMERICAN STANDARD #6590.001 WASHBROOK, 0.5 GPF VITREOUS CHINA URINAL. FLUSH VALVE - SLOAN ECOS 8186.05OR BATTERY POWERED, SENSOR ACTIVATED VALVE WITH MANUAL OVERRIDE.	3/4" CW 2" WASTE 2" VENT	REFERENCE ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING HEIGHT AND ADA REQUIREMENTS.
LAV-1	INTEGRAL LAVATORY BOWL BY OTHERS.	INTEGRAL BOWL BY OTHERS. CHICAGO ELECTRONIC FAUCET NO. 116.211 AB.1. DECK MOUNTED SINGLE HOLE HYTRONIC TRADITIONAL SINK FAUCET WITH DUAL INFRARED BEAMS WITH 0.5 GPM VANDAL PROOF NON-AERATING SPRAY. MCGUIRE #155WC GRID DRAIN W/1 1/4" TAILPIECE, OFFSET FOR WHEELCHAIR USE, #8872 - 1 1/4" P-TRAP, #H-2165 SUPPLY STOPS. LEONARD #170-LF-BRKT POINT OF USE MIXING VALVE.	1/2" CW 1/2" HW 2" WASTE 2" VENT	PRE-FABRICATED INSULATION ON WATER LINES AND P-TRAP. BROCAR PRODUCTS, INC., TRAP WRAP TRUE BRO, INC., HANDI LAV GUARD, MCGUIRE PRO-WRAP. REFERENCE ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING HEIGHT.

AIR DEVICE SCHEDULE				
MARK	TYPE	MANUFACTURER/MODEL	REMARKS	
A	ARCHITECTURAL SQUARE PANEL SUPPLY AIR DEVICE	TITUS: OMNI-AA	24"X24" OR 12"X12" FACE AREA. AIR PATTERN SHALL BE 4-WAY THROW UNLESS OTHERWISE NOTED ON DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPE AND CONSTRUCTION DETAILS. FLEX SUPPLYING DIFFUSER TO BE SAME AS NECK SIZE.	
B	PERFORATED PANEL EXHAUST AIR DEVICE	TITUS: PAR-AA	24"X24" OR 12"X12" FACE AREA WITH 22"X22" AND 10"X10" NECK RESPECTIVELY FOR OPEN GRILLES. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPE AND CONSTRUCTION DETAILS. FLEX SUPPLYING DIFFUSER TO BE SAME AS NECK SIZE.	

REMARKS:	AIR DEVICE CONNECTION SCHEDULE			
	AIR QUANTITY (CFM)	DEVICE NECK SIZE	BRANCH DUCT SIZE	
			ROUND DUCT	RECTANGULAR DUCT
1. CEILING DIFFUSERS ARE 4-WAY UNLESS INDICATED OTHERWISE IN THE DRAWINGS.	0 - 140	6"Ø	6"Ø	8X4
2. PROVIDE BLOW CLIPS TO DIRECT AIR FLOW AWAY FROM WALLS AND GLASS WHEN DEVICES ARE WITHIN 4' OF A WALL.	141 - 240	8"Ø	8"Ø	10X6
3. ALL VISIBLE SURFACES OF THE RETURN/EXHAUST PLENUM AND DUCT CONNECTION SHALL BE PAINTED FLAT BLACK.	241 - 340	10"Ø	10"Ø	10X8
4. AIR DEVICE FRAME AND STYLE SHALL MATCH CEILING TYPE. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN.	341 - 500	12"Ø	12"Ø	12X10
5. PROVIDE MANUFACTURER'S INSULATED BACKPAN FOR ALL SUPPLY AIR DEVICES.	501 - 650	14"Ø	14"Ø	16X10
6. ALL AIR DEVICES SHALL BE ALUMINUM CONSTRUCTION.	651 - 750	15"Ø	15"Ø	18X12
7. REFER TO ARCHITECT FOR FINISHES AND COLOR OF DEVICES.				



NOTES:
1. IF THERE IS INSUFFICIENT HEADROOM FOR TOP CONNECTION AS DETAILED, USE SIDE CONNECTION.
2. USE RIGID ROUND INSULATED DUCT FOR LENGTHS IN EXCESS OF 6'-0".
3. USE ONLY ON SUPPLY AND RETURN BRANCHES TO CEILING DEVICES.
USE RIGID DUCT ON ALL BRANCHES TO EXHAUST DEVICES AND ON EXPOSED APPLICATIONS.
4. BRANCH DUCT SHALL BE SAME SIZE AS DIFFUSER CONNECTION.

FLEXIBLE DUCT CONNECTION DETAIL 1

Date	Issue	No.
04/09/18	Issued for TDLR Review and Construction	



COURTNEY HARPER + PARTNERS
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University of Texas MD Anderson Cancer Center
1515 Holcombe, Houston, TX 77030

CMP NO.	
CH+P NO.	17-028
LOCATION	
DRAWN BY	BG
CHECKED BY	SAF

SHEET TITLE:
MECHANICAL & PLUMBING SCHEDULES

SHEET:
MP3.01
OF