RENOVATION AND REMODEL LITTLETON PUBLIC SCHOOLS TRANSPORTATION SERVICE CENTER **CONSTRUCTION DOCUMENTS** NOVEMBER 14, 2014 **BID ALTERNATES**

SYMBOLS

	ASPHALT
	EARTH
	GRAVEL
	PLASTER OR STUCCO
	STEEL
	STRUCTURAL WOOD
	FINISHED WOOD
	WOOD BLOCKING
	PLYWOOD
	BRICK
	CMU
	BATT INSULATION
	RIGID INSULATION
	CONCRETE
	METAL STUD PARTITION
	FINISH CONTOURS
	EXISTING CONTOURS
101'-2"	FINISH ELEVATION
+	EXISTING ELEVATION
GA5	NATURAL GAS LINES
	SANITARY SEMER
ST	STORM SEWER
N	WATER LINES
—— E ——	BURIED ELECTRIC
	BURIED TELEPHONE
-	SOIL TEST HOLE
128	DOOR NUMBER
A	WINDOW TYPE
$\sum_{i=1}^{n}$	HOLLOW METAL FRAME TYP
F.1	FINISH DESIGNATION
100'-0"	BUILDING ELEVATION
8-A8	INTERIOR ELEVATION
17	-SECTION LETTER
A6	-SHEET NUMBER
SECTION	
_ JLCHON	
	-DETAIL NUMBER
A6/	-SHEET NUMBER
DETAIL	

 \bigcirc

ARCHITECT

YON TANNER ARCHITECTURE, P.C

2175 SOUTH JASMINE ST #217

DENVER, COLORADO 80222

CONTACT: ROY TANNER

PH: (303) 691-8000

FAX: (303) 756-2332

THERMOSTAT CONTROL

ACOUSTICAL CEILING TILE A.C.T. A.F.F. ABOVE FINISH FLOOR ALT. ALTERNATE ALUM ALUMINUM (AL) AT ADJUSTABLE ADJ. ASPH. ASPHALT ANCH. ANCHOR (ANC ARCH ARCHITECTURAL B. TO B. BACK TO BACK BOARD BD. BL BRICK LEDGE BUILDING (BUILD) BLDG BLKG. BLOCKING (BLK) BM. BEAM B.N. BULL NOSE BRICK (BRK) BR. BRG. BEARING BUILT-UP Bυ. В.О. BY OWNER BOT BOTTOM (BTM) BETMN. BETWEEN (C) WORK TO BE PERFORMED BY CONTRACTOR CAB. CB. CABINET CHALKBOARD C.M.U. CONCRETE MASONRY UNIT CLG. COL. CONC. CEILING COLUMN CONCRETE CONST. CONSTRUCTION (CONSTR) CONT. CONTINUOUS CORR. CORRIDOR CPT. CARPET C.T. CERAMIC TILE C.T.C. CERAMIC TILE COVE CENTERLINE CHAN. CHANNEL C.S. COUNTER SINK C.T. COUNTER TOP DN. DTL. DOWN DETAIL D.F. DRINKING FOUNTAIN DIA. DIAMETER DOWNSPOUT DS. DWG. DRAWING DBL. DIM. DOUBLE DIMENSION ETC. ETCETERA EA. EACH ELECTRICAL CONTRACTOR E.C. ELEVATION (ELS.)(ELEV.) EL. ELEC. ELECTRICAL E.J. EXPANSION JOINT EXP. EXPANSION E.P. ELECTRICAL PANEL EPPD EPOXY PAINTED EQ. EQUAL EQUIPMENT EQUIP EMC. ELECTRICAL WATER COOLER EXIST. (E) EXISTING (E) EXT. EXTERIOR E.F. EXHAUST FAN EPOXY QUARTZ FLOORING E.Q.F. F.A.P. FRESH AIR PENTHOUSE (FAPH) F.A. FRESH AIR FR. FRAME F. TO F. FLOOR TO FLOOR F.D. FLOOR DRAIN F.E.C. FIRE EXTINGUISHER CABINET F.H. FIRE HYDRANT FURR. FURRING F.H.C. FIRE HOSE CABINET FIN. FINISH FLOOR (FLR) FL. F.F. FINISH FLOOR FND. FOUNDATION F.P. FIRE PROTECTION F.P.P. FIRE PROTECTION PLASTER F.S. FOOT SCRAPER FURN. FURNISHED

A.B.

ANCHOR BOLT

ABBREVIATIONS

BRE	VIATIONS	
GA. GALV. G.C. GEN. G.I. GR. GL. GYP BD G.B. G.D.	GAUGE GALVANIZED GENERAL CONTRACTOR GENERAL GALVANIZED IRON GRADE GLASS GYPSUM BOARD GRAB BAR GARBAGE DISPOSAL	Ă, Ê Ê Ê Ê, Ê Ê Ê Ê Â, Î Ê Ê R R R R R R Ê Ê Î X S. O
H.B. H.B. H.C. H.C. H.C. HDWD. HGT. HM H.P. HORIZ. HLDR.	HARDBOARD HOSE BIBB HANDICAP HARDENED CONCRETE HOLLOW CORE HARDWOOD HEIGHT (HT) HOLLOW METAL HARD PLASTER HORIZONTAL HOLDER	RE: S.A. S.P. S.A. S.A. S.A. S.A. S.C. S.G. S.M. S.P.
I.G.U. INSUL. INT. I.P. I.D. INV.	INSULATED GLASS UNIT INSULATION INTERIOR INSULATED PANEL INSIDE DIAMETER INVERT	5.R. 5.5. 5.5. 5TL 5PA 5TC 5TR 5.M.
JT. JST.	(TML) TMIOL TBIOL	5.M. SIM. S.D. S.G.
LAM. LT. WT. L.C.S.	LAMINATE LIGHT WEIGHT LIQUID CHALK SURFACE	SEC SHG
MAS. MAT. M.H. MR. MTL. M.C. MED. M.O. MAX. MECH. MIN.	MASONRY MATERIAL (MAT'L) MAN HOLE MIRROR METAL (MET) MEDICINE CABINET MEDIUM MASONRY OPENING MAXIMUM MECHANICAL MINIMUM	S.F. SUSI SYS T.S. T.B. T.C. T.S. T.S. T.I.P T.J. T.O.
N.I.C. N.S. NO/# N.F.R. NTS.	NOT IN CONTRACT NON SLIP NUMBER NO FINISH REQUIRED NOT TO SCALE	T.O. T.O. T.P.(TRA TYP T.O.
(0) O.H. OPNG. OPP. O.N.G. O.C. O.D. O TO O O.F.R.D.	WORK TO BE PERFORMED BY OWNER OPPOSITE HAND OPENING (OPG) OPPOSITE OBSCURE WIRE GLASS ON CENTER OUTSIDE DIAMETER OUT TO OUT OVER FLOW ROOF DRAIN	T.O. THK THR TTT. U.V. UNO V.B. VAR V.C.
P. LAM. POL. PART. PART. PART. BD. P.B. P.C. P.C. P.J.	PLASTIC LAMINATE POLISH PARTICLE PARTITION PARTICLE BOARD PIPE BUMPER PRE CAST PRE CAST PRE CAST CONCRETE PLUMB JOINT PLASTIC LAMINATE PLATE PLATE PLATE PLATE PLATE PLATE PLATE PLATE PLATE PAINT PANEL PAINTED	V.T.F. V.T.F. V.D. M.D. M.T.F. K.J. K.M. K.M.
	QUARRY TILE QUARRY TILE COVE	

LITTLETON PUBLIC SCHOOLS 5776 SOUTH CROCKER STREET LITTLETON COLORADO 80120 CONTACT: ALAN MOORE PH: (303) 347-4366 FAX: (303) 347-3454

OWNER

FLEX.

FLEXIBLE

MECHANICAL MCGRATH INCORPORATED 5353 WEST DARTMOUTH AVE, STE. 506 DENVER, COLORADO 80227 CONTACT: KEVIN AINSWORTH PH: (303) 969-0220 FAX: (303) 985-5565

ORMED	T.F.G. TRANS TYP. T.O.F. T.O.N. THK. THRU. TTT.
55	U.V. UNO
DRAIN	V.B. VAR. V.C.T. V.T.R. VERT. V.C.B. V.B.
	W/ MD MTR.

QUARRY TILE COVE

Q.T.C.

. .	RETURN AIR REINFORCING RECESSED
	RUBBER BASE ROOF DRAIN REQUIRED
	RELOCATED ROOM RUBBER STAIR TREAD
	ROUGH OPENING ROUND
	REFERENCE (REF)
.R.	SUSPENDED ACOUSTIC TILE SINGLE PLY MEMBRANE ROOFING SOUND ADSORBENT PANEL
	SUSPENDED ACOUSTICAL CEILING SOLID CORE
	SYNTHETIC FLOOR COVERING SAFETY GLASS
	SHEET METAL SPECIFICATION SOUND RETARDANT
	SERVICE SINK STAINLESS STEEL
	STEEL SPACE
·.	STORAGE (STO) STRUCTURAL (STRUC) SAFETY WIRE GLASS
	SMILLAR SMOKE & DRAFT STOP
	STR. GLAZED TILE SECTION
	SHEATHING SQUARE
	SQUARE FOOT SUSPENDED SYSTEM
	TUBE STEEL TACK BOARD
	TEACHER CABINET TALL STORAGE
	TERRAZZO TACKABLE INTERIOR PANEL
	TOOLED JOINT TOP OF CONC. (TC) TOP OF MASONRY (TM)
	TOP OF STEEL (TS) TEMPERED PLATE GLASS
5.	TRANSFORMER TYPICAL
	TOP OF FOOTING TOP OF WALL (TW) THICK
	THROUGH TRIPLE TEE
	UNIT VENTILATOR UNLESS NOTED OTHERWISE
	VAPOR BARRIER VARIES
	VENTED COVE BASE VENT THROUGH ROOF
	VERTICAL VINYL COMPOSITION TITLE VINYL BASE

MITH WOOD WATER WATER HEATER WIRE GLASS WELDED WIRE FABRIC WIRE MOULD

DRAWING INDEX

SD1.1	COVER SHEET SITE PLAN LANDSCAPE PLAN
A1.0	OVERALL FLOOR PLANS
AD1.2 AD2.1	FIRST FLOOR DEMOLITION PLAN SECOND FLOOR DEMOLITION PLAN FIRST FLOOR DEMOLITION RCP SECOND FLOOR DEMOLITION RCP
A1.3 A1.4 A1.5 A2.1 A2.2 A3.1 A4.1 A5.1 A6.1	FIRST FLOOR DEMOLITION PLAN SECOND FLOOR DEMOLITION PLAN ENLARGED BUS WASH DEMO & FLOOR PLAN ENLARGED PLANS ENLARGED PLANS FIRST FLOOR RCP SECOND FLOOR RCP ROOF PLAN & DETAILS EXTERIOR ELEVATIONS & DETAILS INTERIOR ELEVATIONS DOOR SCHEDULE AND DETAILS MISCELLANEOUS DETAILS WALL TYPES & DETAILS
M1.0 M2.0 M3.0 M3.1	HVAC DEMOLITION PLANS HVAC CONSTRUCTION PLANS HVAC DETAILS, SCHEDULES & SPECIFICATIONS HVAC CONTROLS SCHEMATICS
P4.0	LOWER LEVEL PLUMBING DEMO PLAN UPPER LEVEL PLUMBING DEMO PLAN LOWER LEVEL PLUMBING PLAN UPPER LEVEL PLUMBING PLAN ENLARGED PLUMBING PLANS PLUMBING DETAILS PLUMBING SCHEDULES
EO.2 E1.1	ONE-LINE DIAGRAM AND LEGEND ELECTRICAL SCHEDULES FIRST FLOOR ELECTRICAL PLANS SECOND FLOOR ELECTRICAL PLANS

511 FIRST FLOOR SECURITY PLANS S1.2 SECOND FLOOR SECURITY PLANS

> LITTLETON PUBLIC SCHOOLS TRANSPORTATION SERVICE CENTER 5565 S. CROCKER ST



LOCATION MAP

NTS

SCALE:



ELECTRICAL

MEP ENGINEERING, INC. 6402 SOUTH TROY CIRCLE CENTENNIAL, COLORADO 80111 CONTACT: TRAVIS MIDDLEBROOKS PH: (303) 936-1633 FAX: (303) 934-3299

PLUMBING

MCGRATH INCORPORATED 5353 WEST DARTMOUTH AVE, STE. 506 DENVER, COLORADO 8022 CONTACT: FORREST FLANAGAN PH: (303) 969-0220 FAX: (303) 985-5565

ALTERNATE # 1: BASE BID: DO NOT PROVIDE LANDSCAPE AROUND BUILDING THIS INCLUDES ALL

LANDSCAPING EXCEPT FOR WORK AT NEW HANDICAP RAMP, RE: DWGS SD1.1 & SD1.2 DEMO NOTES: C, G & K; 4/SD1.1 BID ALTERNATE: PROVIDE LANDSCAPE WORK, DWGS SD1.1 & SD1.2 KEY NOTES 5,7,13, & 14; AND ANY RELATED DETAIL.

CODE DATA

APPLICABLE CODES Building Code: Mechanical Code: Plumbing Code: Electrical Code:

International Energy Conservation Code:

International Existing Building Code:

Fire Code:

OCCUPANCY

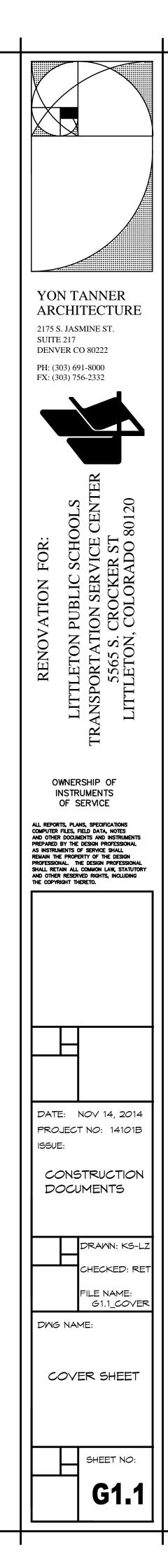
IBC 2006 Third Printing: March 2007 IMC 2006 Second Printing: December 2007 IPC 2009 First Printing: January 2009 NEC 2008 FC 2006 Third Printing: April 2007 IECC 2006 First Printing: January 2007 IEBC 2006 First Printing: January 2007

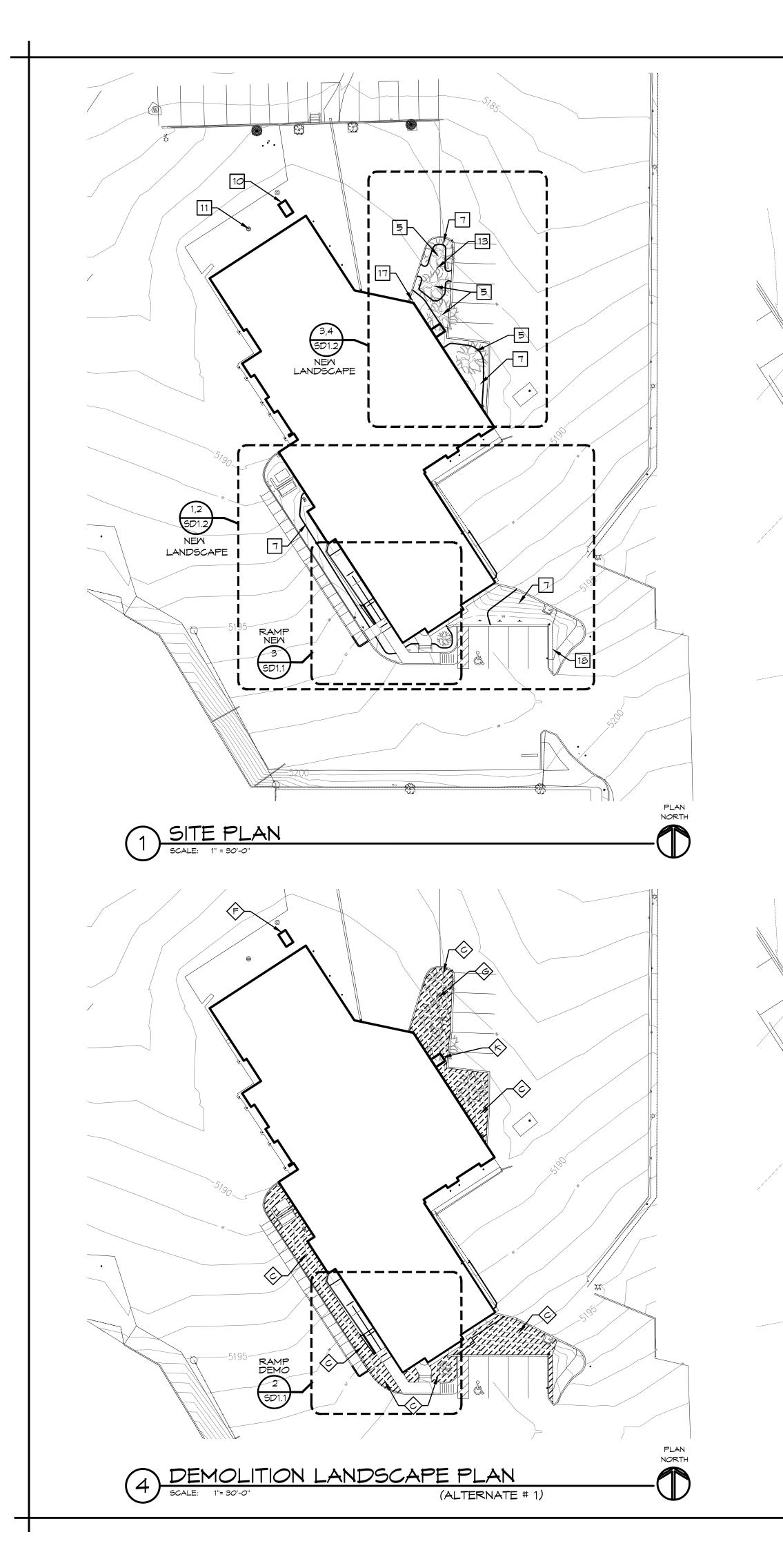
	USE GROUP & OCCUPANCY KEY	
S.1 - STORAGE	B - BUSINESS	

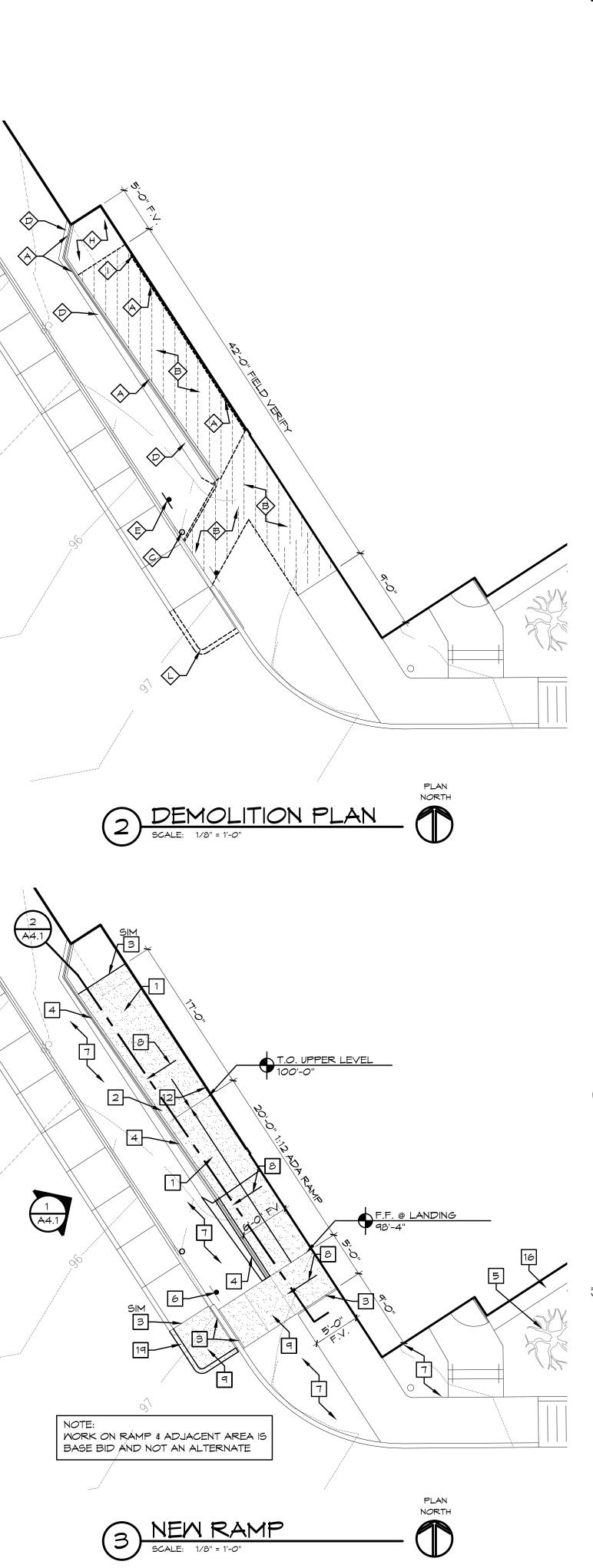
OCCUPANCE 5.1 - 3	STORAGE	D -	DUSINESS				
CODE ITEM REFERENCE	AREA OF BUILDING	CODE REQUIREMENT		PROPOSED	DESIGN		
OCCUPANCY	EXISTING	S-1, B,			UNCHANGE	D	
OCCUPANCY SEPARATIONS	EXISTING	NOT NI	ECESSARY		UNCHANGE	D	
CONSTRUCTION TYPE	ENTIRE BUILDING	III-B			UNCHANGE	D	
ALLOWABLE AREAS EXISTING TO REMAIN	ALLOWABLE AREAS/ FLOOR 1ST FLOOR S.1 OCCUPANCY 2ND FLOOR B OCCUPANCY	ALLOWABLE AREAS/ FLOOR 17,500 SF 19,000 SF		UNCHANGEI UNCHANGEI			
BUILDING AREAS EXISTING TO REMAIN	EXISTING AREA 1ST FLOOR S.1 OCCUPANCY 2ND FLOOR B OCCUPANCY TOTAL	EXISTING A	AREA 10,634 SF 4,096 SF 14,730 SF		UNCHANGE <u>UNCHANGE</u> UNCHANGE	D	
FIRE AREA SEPARATIONS	NONE REQUIRED	NONE REC	QUIRED		UNCHANGE	D	
FIRE PARTITIONS CORRIDORS	CORRIDORS	1 HOUR R	1 HOUR REQUIRED		UNCHANGE	D	
FIRE RESIST RATINGS STRUCTURAL FRAME EXTERIOR BEARING INTERIOR BEARING NON-BEARING PERM PARTITIONS FLOOR FLOOR/CLG ROOF ROOF/CLG SHAFT ENCLOSURES		2 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	NKLED RATED RATED RATED RATED RATED RATED RATED RATED RATED		III-B NON SPRINI UNCHANG UNCHANG UNCHANG UNCHANG UNCHANG UNCHANG UNCHANG	ED ED ED ED ED ED ED	
NUMBER OF STORIES	ENTIRE BUILDING	3 STORY ALLOWED		2 STORY AC	TUAL		
BUILDING HEIGHT	ENTIRE BUILDING	26 FT			EXISTING U	NCHANGED	
FIRE SPRINKLER	ENTIRE BUILDING	NON SPRINKLED		NO CHANGE OCCUPANT			
FIRE DETECTION SYSTEM					UNCHANGE	D	
PLUMBING FIXTURES 1ST FLOOR S.1 OCCUPANCY		25 MEN 25 WOMEN	W.C. URINALS LAVS W.C.	1 0 1	25 MEN 25 WOMEN	W.C. URINALS LAVS W.C.	1 0 1
		20 WOMEN	LAVS	1	20 WOMEN	LAVS	1
		DRINKING FO	OUNTAINS	1	DRINKING FO	DUNTAINS	1
2ND FLOOR B OCCUPANCY		48 MEN	W.C. URINALS LAVS	1 1 2	48 MEN	W.C. URINALS LAVS	1 2 2
		48 WOMEN	W.C.	2	48 WOMEN	W.C.	2
			LAVS	2		LAVS	2

OCCUPANCY LOAD CALCULATION EXISTING BUILDING

First Floor Occupancy S.1	SE / C	occupant	SF	Occupant load
Manufacturing (repair shop)	200	Gross	7,717	38.58
Business Area (office)	100	Gross	308	3.08
Locker Room	50	Gross	78	3.08 1.56
Storage / Equipment Rooms	300	Gross	1,820	6.06
First Foor Total				<u>49.28</u>
Second Floor				
Occupancy B	SF / Oco	cupant	SF	Occupant load
Business Area (office)	100	Gross	1,201	12.01
Educational (Classrooms)	20	Net	1,650	82.50
Storage / Equipment Rooms	300	Gross	384	1.28
Second Floor Total				95.79



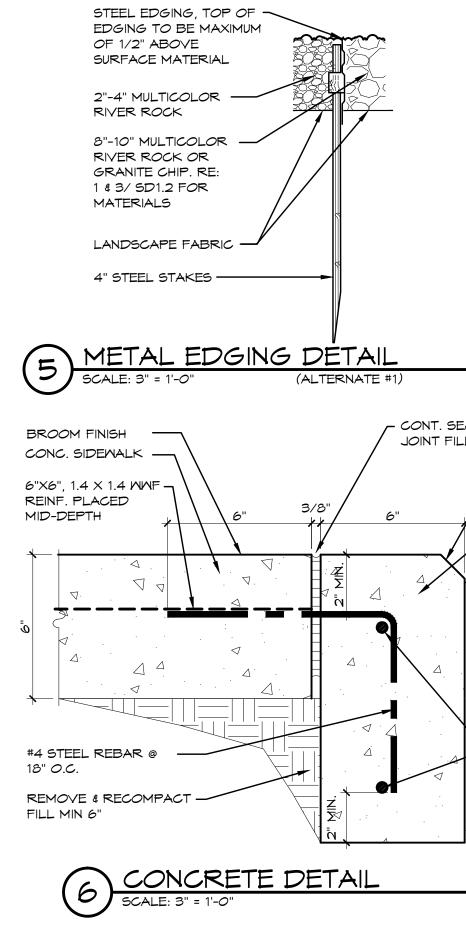




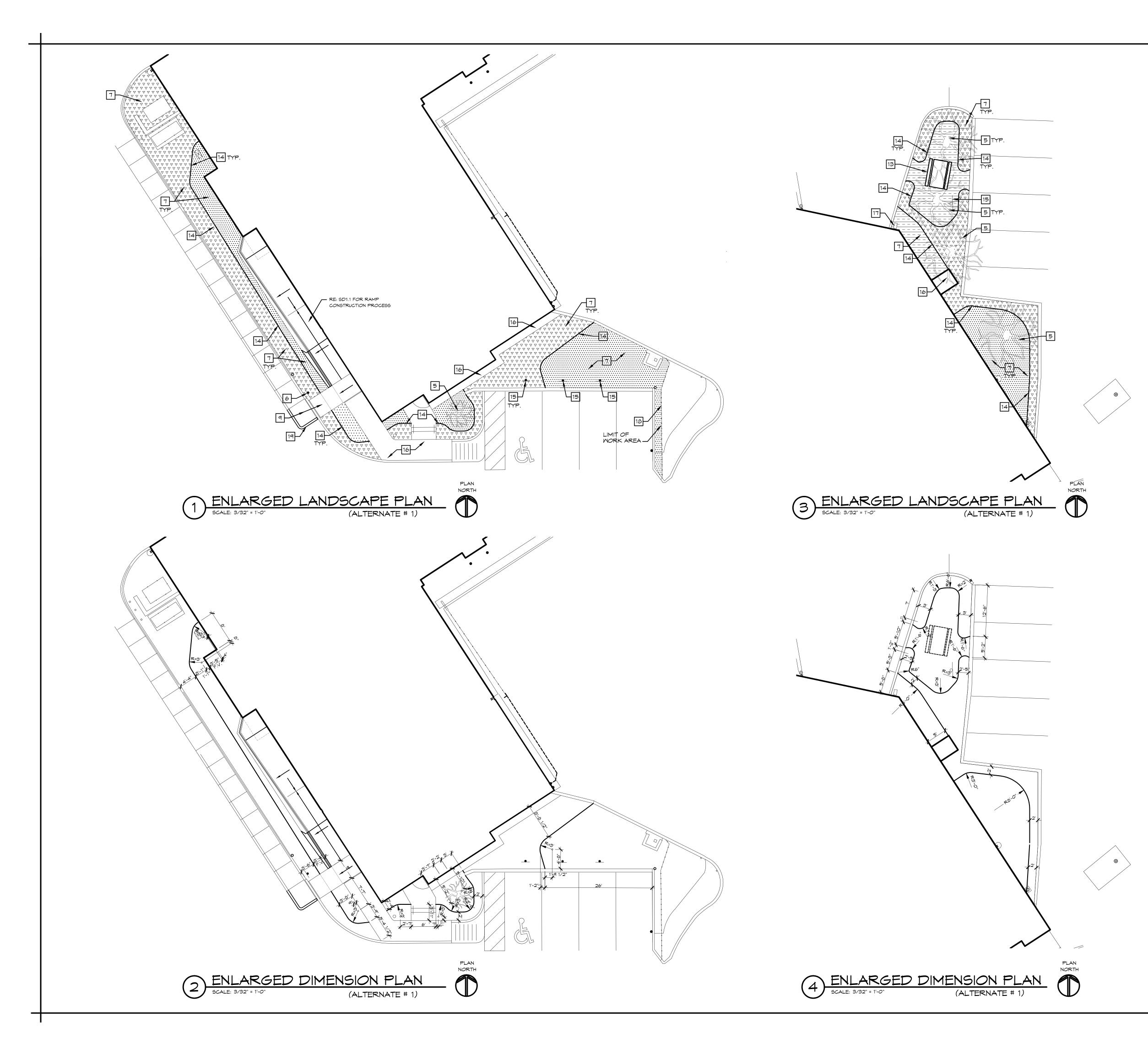
GENERAL NOTES: ALL SITE PLANS

- 1. SITE UTILITIES SHOWN ARE BASED ON BEST AVAILABLE DAT THE ARCHITECT. IT IS BELIEVED THAT ADDITIONAL UTILITY ARE NOT MARKED. THE CONTRACTOR IS RESPONSIBLE FO UTILITIES PRIOR TO COMMENCING ANY WORK ON SITE. COI (UTILITY NOTIFICATION CENTER OF COLORADO) 1-800-922-BEFORE START OF EARTHWORK.
- CONTRACTOR TO LIMIT AREA OF OPERATION AS DEFINED

 ‡ DEMOLITION PLAN. CONTRACTORS ENTIRE AREA OF OPE FENCED AND SECURED.
- CONTRACTOR TO PROTECT ALL ITEMS SHOWN AS (E) TO R DAMAGE TO THESE ITEMS ARE TO BE REPAIRED AT THE CO EXPENSE.
- 4. EXISTING SITE INFORMATION IS BASED ON FIELD SURVEYS OTHERS. NO GUARANTEE IS MADE OR IMPLIED IN REFEREN ACCURACY OR COMPLETENESS OF THIS INFORMATION.
- 5. COORDINATE DELIVERY OF ALL ITEMS NOTED TO BE SALM
- 6. THE CONTRACTOR SHALL ENDEAVOR NOT TO DAMAGE TH SURFACES OF STREETS, DRIVES, WALKS, LAWNS AND PARH DURING CONSTRUCTION. IF DAMAGED CONTRACTOR SHAL REPLACE THE EXISTING SURFACES TO THEIR ORIGINAL CON COST TO THE OWNER.
- CONTRACTOR TO RESTORE ALL DISTURBED AREAS TO OR CONDITION AT NO ADDITIONAL COST TO OWNER. CONTRAC DOCUMENT AND ESTABLISH RECORD OF CURRENT CONDITI STRUCTURES PRIOR TO COMMENCING ANY WORK ON SITE.
- ALL AREAS WHERE LANDSCAPING IS BEING REPLACED, CC STERILIZE SOIL AND PROVIDE LANDSCAPE FABRIC UNDER LANDSCAPING MATERIALS.



D TO THAT		² LAN LEGEN			
JRS	Y A	EXISTING DECIDUOUS TREE	(×)	NEM DECIDUOUS TREE	
PLAN		EXISTING SHRUB	200 - 20 2000 - 20 2000 - 20	NEW SHRUB	
, ,		EXISTING CONIFEROUS TREE	M	EASEMENT LINE EXISTING WATER LINE	
		CONCRETE PAVING	P-06	EXISTING UNDERGROUND POWER UTILITY	
	\mathbf{r}	LANDSCAPING/GRASS TO BE REMOVED	55 ,	EXISTING SANITARY SEWER LINE	YON TANNER
NER.		8"-10" MULTI COLOR RIVER ROCK	& O	EXISTING GAS LINE EXISTING FENCE	ARCHITECTU 2175 S. JASMINE ST.
	r · · · 1	2"-4" MULTI COLOR RIVER ROCK	w	WATER LINE FENCE	SUITE 217 DENVER CO 80222 PH: (303) 691-8000
		GRANITE CHIP	V	FIRE HYDRANT	FX: (303) 756-2332
ND		PROPERTY LINE BUILDING	R.O.W.	RIGHT OF WAY	
)					
		10 KEY NOT	ES: AT SITE	E PLAN ONLY	S S
	\checkmark	E EXISTING RAILING AS			- OOLS
	C. REMOV	•	CAPE PLANTS, L	ANDSCAPE MATERIAL, AND	ST H R:
				RIGATION TO PROVIDE DRIP "O REMAIN (ALTERNATE #1).	
	(E) BLO	CK. RE: 1/A4.1 TO SEE	RAMP WALL EL	LY REMOVE AND SALVAGE LEVATION W/ DEMO NOTES .	RENOVATION LITTLETON PUBLIC NSPORTATION SER 5565 S. CROCKH
	E. REMOVI LOCATIO		ARKING ANY TIN	1E", RE: TO 3/SD1.1 FOR NEW	ENOV TON I TATI
		E (E) SAND-OIL INTERC	·	CHANICAL.	REN LITTLET ANSPORT 5565
				TECT DURING CONSTRUCTION.	LITT
		E EXISTING CARD REAI RTHER INFORMATION.	DER TO BE REI	OCATED, RE: ELECTRICAL	TRA
	J. NOT USE				
		ICRETE LANDING TO RE 55 (ALTERNATE # 1).	EMAIN. PROTEC	T DURING CONSTRUCTION	OWNERSHIP OF INSTRUMENTS
					OF SERVICE
		E) ASPHALT AS REQ'D	BY NEW CONS	FRUCTION CURB.	ALL REPORTS, PLANS, SPECIFICATIO Computer Files, field data, note and other documents and instr
	L. DEMO (1				
	L. DEMO (1	E) ASPHALT AS REQ'D	D: AT SITE PL	ANS ONLY	COMPUTER FILES, FIELD DATA, NOTE AND OTHER DOCUMENTS AND INSTR PREPARED BY THE DESIGN PROFESS AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DES PROFESSIONAL THE DESIGN PROFE SHALL RETAIN ALL COMMON LAW, S AND OTHER RESERVED RIGHTS, INCL
	L. DEMO (1 SITE 1. NEW 6"	KEY NOTES	D: AT SITE PL	ANS ONLY Y COMPLETE.	COMPUTER FILES, FIELD DATA, NOTE AND OTHER DOCUMENTS AND INSTR PREPARED BY THE DESIGN PROFESS AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DES PROFESSIONAL THE DESIGN PROFE SHALL RETAIN ALL COMMON LAW, S AND OTHER RESERVED RIGHTS, INCL
	L. DEMO (1 SITE 1. NEW 6" 2. NEW AD 3. PROVID	ADA 1:12 CONCRETE F ADA 1:12 CONCRETE F A RAILGUARD AND HAI DE EXPANSION JOINT AS	5: AT SITE PL RAMP ASSEMBL NDRAIL, RE: DT 5 REQUIRED, RE	ANS ONLY Y COMPLETE. L; 3/A4.1	COMPUTER FILES, FIELD DATA, NOTE AND OTHER DOCUMENTS AND INSTR PREPARED BY THE DESIGN PROFESS AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DES PROFESSIONAL THE DESIGN PROFE SHALL RETAIN ALL COMMON LAW, S AND OTHER RESERVED RIGHTS, INCL
	L. DEMO (1 DEMO (1 1. NEW 6" 2. NEW AD 3. PROVID 4. NEW MC 5. EXISTING NECESS (ALTERN	ADA 1:12 CONCRETE F ADA 1:12 CONCRETE F A RAILGUARD AND HAI DE EXPANSION JOINT AS DDIFIED RETAIN WALL, F G TREE TO REMAIN. RE DARY TO PROVIDE ADE	D: AT SITE PL AMP ASSEMBL NDRAIL, RE: DT B REQUIRED, RE RE: DTL 2/A4.1 CONFIGURE IRF QUATE PRESSU	ANS ONLY Y COMPLETE. L; 3/A4.1 :: DTL. 5/A4.1	COMPUTER FILES, FIELD DATA, NOTE AND OTHER DOCUMENTS AND INSTR PREPARED BY THE DESIGN PROFESS AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DES PROFESSIONAL. THE DESIGN PROFE SHALL RETAIN ALL COMMON LAW, S AND OTHER RESERVED RIGHTS, INCL THE COPYRIGHT THERETO.
	L. DEMO (1 DEMO (1 1. NEW 6" 2. NEW AD 3. PROVID 4. NEW MC 5. EXISTING NECESS (ALTERN DURING	EXEX NOTES ADA 1:12 CONCRETE R DA RAILGUARD AND HAN DE EXPANSION JOINT AS DDIFIED RETAIN WALL, R G TREE TO REMAIN. RE DARY TO PROVIDE ADE NATE # 1). GC SHALL VI	D: AT SITE PL RAMP ASSEMBL NDRAIL, RE: DT 5 REQUIRED, RE RE: DTL 2/A4.1 CONFIGURE IRF QUATE PRESSU ERIFY EXISTING	ANS ONLY Y COMPLETE. L; 3/A4.1 E: DTL. 5/A4.1 RIGATION SYSTEM AS RE TO THE TREES ONLY IRRIGATION SYSTEM. PROTEC	COMPUTER FILES, FIELD DATA, NOTE AND OTHER DOCUMENTS AND INSTR PREPARED BY THE DESIGN PROFESS AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DES PROFESSIONAL. THE DESIGN PROFE SHALL RETAIN ALL COMMON LAW, S AND OTHER RESERVED RIGHTS, INCL THE COPYRIGHT THERETO.
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SITE PLAN LEGEND

	EXISTING DECIDUOUS TREE	×	NEM DECIDUOUS TREE
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	EXISTING SHRUB	2002 2003 2000	NEW SHRUB
	EXISTING CONIFEROUS TREE	M	EASEMENT LINE EXISTING WATER LINE
	CONCRETE PAVING	P-05	EXISTING UNDERGROUND POWER UTILITY
	LANDSCAPING/GRASS TO BE REMOVED	55	EXISTING SANITARY SEMER LINE
	8"-10" MULTI COLOR RIVER ROCK 2"-4" MULTI COLOR	& O	EXISTING GAS LINE EXISTING FENCE
$\begin{array}{c} 7 & \nabla & \nabla & \nabla \\ \nabla & \nabla & \nabla & \nabla \end{array}$	RIVER ROCK	— w —	WATER LINE
( / / / / /	GRANITE CHIP		FENCE FIRE HYDRANT
<b>— —</b>	PROPERTY LINE	R.O.N.	RIGHT OF WAY
	BUILDING		

## OEMO KEY NOTES: AT SITE PLAN ONLY

- REMOVE EXISTING RAILING ASSEMBLY COMPLETE,
- B. SAW CUT AND REMOVE EXISTING CONCRETE SIDEWALK COMPLETE,
- C. REMOVE ALL GRASS, LANDSCAPE PLANTS, LANDSCAPE MATERIAL, AND IRRIGATION SYSTEM COMPLETE. REWORK IRRIGATION TO PROVIDE DRIP IRRIGATION FOR EXISTING TREES THAT ARE TO REMAIN (ALTERNATE #1).
- D. PARTIAL RAMP WALL DEMOLITION, CAREFULLY REMOVE AND SALVAGE
   (E) BLOCK. RE: 1/A4.1 TO SEE RAMP WALL ELEVATION W/ DEMO NOTES .
- E. REMOVE (E) SIGNAGE : "NO PARKING ANY TIME", RE: TO 3/SD1.1 FOR NEW LOCATION.
- F. REMOVE (E) SAND-OIL INTERCEPTOR, RE: MECHANICAL.
- G. REMOVE PICNIC TABLE, SALVAGE FOR REINSTALLATION (ALTERNATE #1).
- H. EXISTING CONCRETE RAMP TO REMAIN, PROTECT DURING CONSTRUCTION.
- I. REMOVE EXISTING CARD READER TO BE RELOCATED, RE: ELECTRICAL FOR FURTHER INFORMATION.
- J. NOT USED.
- K. (E) CONCRETE LANDING TO REMAIN. PROTECT DURING CONSTRUCTION PROCESS (ALTERNATE # 1).
- L. DEMO (E) ASPHALT AS REQ'D BY NEW CONSTRUCTION CURB.

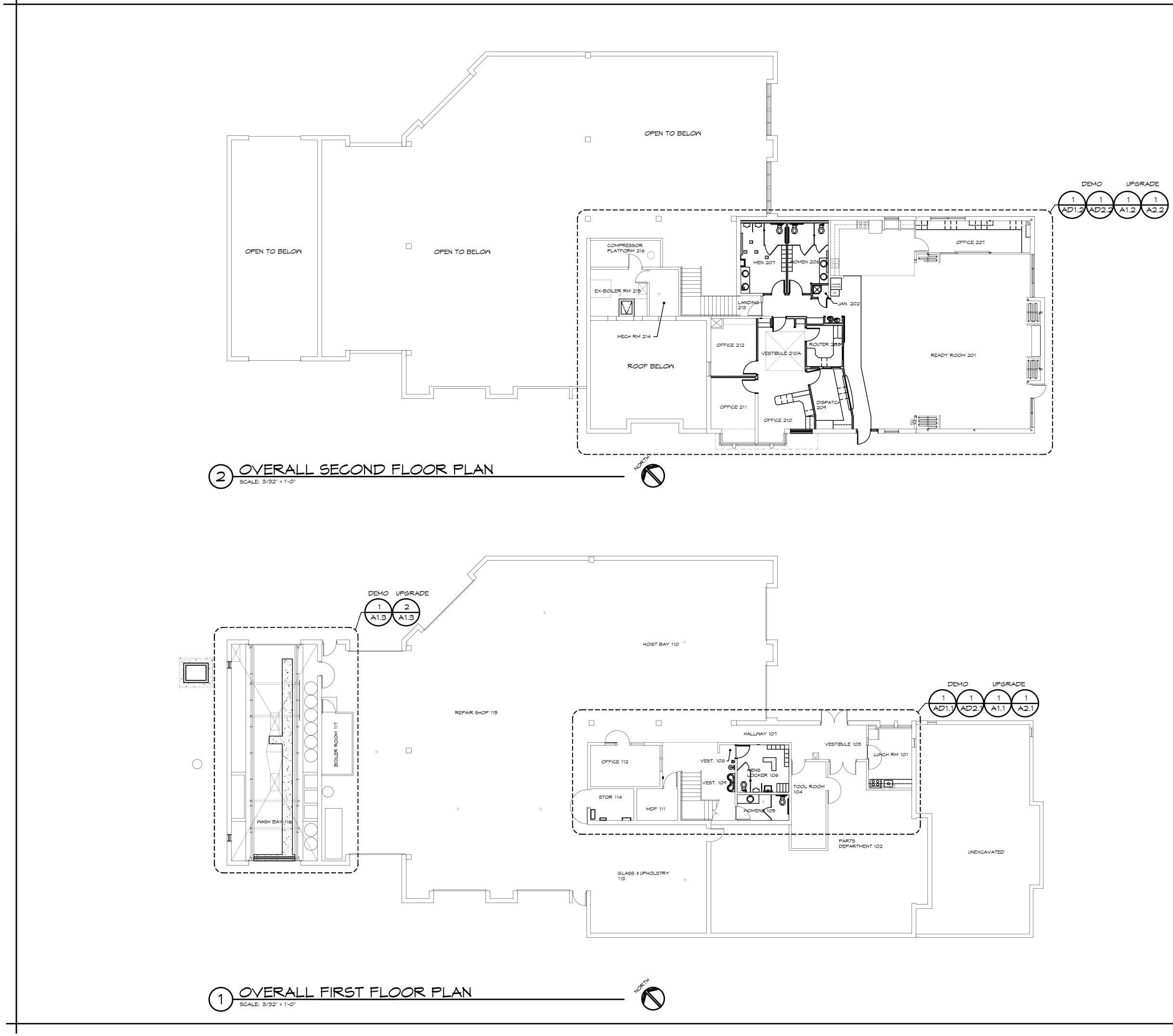
### SITE KEY NOTES: AT SITE PLANS ONLY

- 1. NEW 6" ADA 1:12 CONCRETE RAMP ASSEMBLY COMPLETE.
- 2. NEW ADA RAILGUARD AND HANDRAIL, RE: DTL; 3/A4.1
- 3. PROVIDE EXPANSION JOINT AS REQUIRED, RE: DTL. 5/A4.1
- 4. NEW MODIFIED RETAIN WALL, RE: DTL 2/A4.1
- EXISTING TREE TO REMAIN. RECONFIGURE IRRIGATION SYSTEM AS NECESSARY TO PROVIDE ADEQUATE PRESSURE TO THE TREES ONLY (ALTERNATE # 1). GC SHALL VERIFY EXISTING IRRIGATION SYSTEM. PROTECT DURING CONSTRUCTION.
- 6. RELOCATED (E) "NO PARKING ANY TIME" SIGNAGE, RE: DTL. 7/A4.1.
- PROVIDE LANDSCAPE FABRIC AND ADD NEW HARDSCAPING, RE: 1 & 3/ SD1.2 DWGS FOR LOCATION AND MATERIALS (ALTERNATE # 1).
- 8. PROVIDE 1/4" IN 12" SLOPE @ NEW WALK.
- 9. NEW CONCRETE SIDEWALK, RE: DTL. 6/A4.1
- 10. INSTALL (N) SAND OIL INTERCEPTOR , RE: MECHANICAL DWGS
- 11. (E) MANHOLE TO REMAIN, RE: MECHANICAL DWGS.
- 12. RELOCATED CARD READER, RE: ELECTRICAL DWGS FOR FURTHER INFORMATION.
- 13. REINSTALL SALVAGED (E) PICNIC TABLE (ALTERNATE # 1).
- 14. PROVIDE (N) LANDSCAPING EDGING (ALTERNATE #1). RE: TO 2 & 4/SD1.2 FOR LOCATION AND RE: DETAIL 5/ SD1.1 FOR INSTALLATION.
- 15. (E) SIGNAGE TO REMAIN. PROTECT DURING CONSTRUCTION PROCESS.
- 16. (E) SIDEWALK TO REMAIN. PROTECT DURING CONSTRUCTION PROCESS.
- 17. (E) IRRIGATION BOX TO REMAIN. PROTECT DURING CONSTRUCTION PROCESS.
- (E) CHAIN LINK FENCE TO REMAIN. PROTECT DURING CONSTRUCTION PROCESS.
- 19. PROVIDE (N) CURB. RE: DTL 6/SD1.1

YON TANNER ARCHITECTURE 2175 S. JASMINE ST. SUITE 217 DENVER CO 80222 PH: (303) 691-8000 FX: (303) 756-2332 R SCHOOLS 20 801 ERVICE SKER ST SRADO FOR: LITTLETON PUBLIC S ANSPORTATION SERV RENOVATION FATION SEI 55 S. CROCK 70N, COLOI 5 556 TLET LIT Å OWNERSHIP OF INSTRUMENTS OF SERVICE ALL REPORTS, PLANS, SPECIFICATIONS COMPUTER FILES, FILED DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY THE DESIGN PROFESSIONAL AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL. THE DESIGN PROFESSIONAL SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THERETO. . REPORTS, PLANS, SPECIFICA DATE: NOV 14, 2014 PROJECT NO: 14101B ISSUE: CONSTRUCTION DOCUMENTS DRAWN: KS-LZ CHECKED: RET ILE NAME: SD1.2_SITE DWG NAME: LANDSCAPE & DIMENSIONS PLANS

SHEET NO:

**SD1.2** 



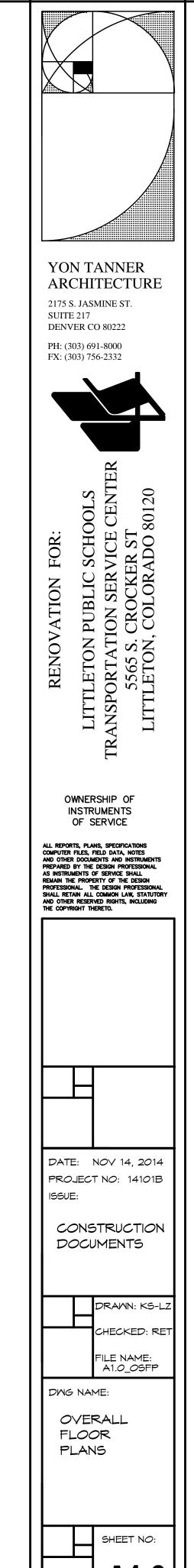
## GENERAL NOTES:

ALL FLOOR PLANS

- DIMENSIONS ARE TO FACE OF MASONRY OR FACE OF STUD UNLESS OTHERWISE NOTED. EXTERIOR MASONRY DIMENSIONS ARE NOMINAL. ACTUAL MASONRY OPENINGS ARE 3/8" LARGER THAN DIMENSIONED OPENINGS.
- 2. DIMENSIONS EXTENDING TO OR FROM EXISTING CONSTRUCTION ARE APPROXIMATE. GENERAL CONTRACTOR IS TO VERIFY ALL DIMENSIONS PRIOR TO ANY FABRICATION, CONSTRUCTION, OR ORDERING OF MATERIAL IN ORDER TO INSURE PROPER FIT AND INSTALLATION.
- ALL NEW INTERIOR STUD WALLS ARE 3 5/8" 20 GA. MTL STUDS @ 16" O.C. З. WITH TOP AND BOTTOM TRACK WITH 5/8" GYP. BD. TYPE "X" ON EACH SIDE TO 4" ABOVE FINISH CEILING. RE: DTL 10/A6.1.
- 4. GENERAL CONTRACTOR IS TO VERIFY ALL SIZES AND DIMENSIONS PRIOR TO ANY FABRICATION, CONSTRUCTION, OR ORDERING OF MATERIAL IN ORDER TO INSURE PROPER FIT AND INSTALLATION.
- 5. DIVIDER STRIP AT ALL AREAS WHERE NEW FLOOR FINISH MATERIALS CHANGE OR ABUT EXISTING DISSIMILAR MATERIALS, RE: DTL.14/A6.1.
- 6. ALL ITEMS SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- CONTRACTOR TO SEAL ALL PENETRATIONS CREATED BY ANY NEW WORK 7 TO COMPLY WITH THE FIRE RESISTANCE CLASSIFICATIONS LISTED ON THE CODE STUDY.
- ALL PAINTING OF EXISTING SURFACES ARE TO EXTEND TO THE NEAREST 8. CORNER.
- PATCH AND REPAIR ALL SURFACES DAMAGED BY NEW CONSTRUCTION OR 9. DEMOLITION TO MATCH ADJACENT SURFACES, TYP.
- 10. MAINTAIN FIRE RATING THROUGHOUT BUILDING, INCLUDING WALLS, FLOOR/CEILING ASSEMBLIES, CEILING/ROOF ASSEMBLIES, ETC, AS WELL AS ALL OTHER CONSTRUCTION AS NOTED ON CODE STUDY. ALL NEW PENETRATIONS ARE TO BE SEALED AS REQUIRED TO MAINTAIN (E) FIRE RATING.
- 11. CONTRACTOR IS RESPONSIBLE FOR COVERING AND PROTECTING EXISTING FURNITURE, FIXTURES, AND SCHOOL EQUIPMENT, AND IS TO WORK AROUND EXISTING ITEMS AND KEEP SAFE AND SECURE. DAMAGE OCCURRING FROM CONSTRUCTION IS TO BE REPAIRED/ REPLACED AT NO EXPENSE TO THE OWNER. CONTRACTOR TO DOCUMENT CONDITION PRIOR TO CONSTRUCTION.
- 12. ALL PERMIT FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 13. CONTRACTOR TO PROVIDE FLOOR PROTECTION, SPECIFIC TO TYPE OF FLOOR, AT ALL AREAS OF CONSTRUCTION (INCLUDING AREAS UNDER AREAS OF CONSTRUCTION ACTIVITIES AND AREAS OF MATERIAL TRANSFER IN & OUT OF BLDG). PROTECTION AREA'S UNDER CEILING WORK TO BE EQUAL TO OR GREATER THAN THE AREA OF CEILING WORK. PROTECTION TO BE SUPPLIED BY G.C. AND BE OF TYPE AS TO NOT CAUSE DAMAGE TO EXISTING FLOORING AND TO PROTECT EXISTING FLOORING FROM TYPE OF CONSTRUCTION ACTIVITY OCCURRING. I.E. PROTECTION AGAINST WELDING, LIFTS, CUTTING, ETC. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING OR REPLACING EXISTING FLOORING DAMAGED DURING CONSTRUCTION TO MATCH EXISTING AT NO COST TO OWNER. CONTRACTOR TO DOCUMENT EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION.
- 14. CONTRACTOR TO BE RESPONSIBLE FOR CLEANING ALL AREAS OF CONSTRUCTION ACTIVITIES INCLUDING STORAGE AND STAGING AREAS WITHIN BUILDING. AREAS OF CONSTRUCTION ACTIVITIES TO BE RESTORED TO ORIGINAL CONDITION.
- 15. PROVIDE INTERIOR SIGNAGE ROOM:
- 15.1. ROOM LOCATIONS SHOWN WITH A ( SYMBOL. COORDINATE NAMES AND LETTERING OF ROOMS WITH OWNER. MOUNT SIGN PER SPECIFICATION ON WALL AT LATCH SIDE OF DOORS 2" FROM FRAME FOR ROOM SIGNS, RE: DTL. 8, 9/A6.1.
- 16. CONTRACTOR TO PROVIDE ACCESS PANELS @ EA RESTROOM AT ALL VALVES AND/OR EQUIPMENT. ACCESS PANEL TO BE 12"X12" S.S., LOCKABLE W/ FLANGE.
- 17. CONTRACTOR TO PROVIDE 2X6 WD. BLOCKING @ ALL GRAB BAR, WALL STOPS, TOILET/URINAL STALL PARTITIONS, BABY CHANGING STATIONS, & MALL SHELVES.
- 18. PROVIDE DUST PROTECTION FOR ALL FIRE ALARM DEVICES DURING CONSTRUCTION. PROVIDE DUST PROTECTION AT ALL WORK LOCATIONS, SEGREGATE WORK AREAS FROM AREA WHERE NORMAL OPERATIONS ARE OCCURRING. PROTECT ALL ELECTRONIC EQUIPMENT FROM DUST CREATED BY DEMOLITION AND CONSTRUCTION.
- 19. CEILING TILE REPAIR IN AREAS WHERE WORK IS DONE: REPLACE ALL MISSING, BENT AND BOWED TILES IN . REPLACE ANY TILES WITH DAMAGE OVER THE SIZE OF A QUARTER. RE-ATTACH ANY LOOSE TILES. MATCH EXISTING TEXTURE AND FINISH.



NEW MDF ROOM NEEDS TO BE COMPLETED AND OPERATIONAL BEFORE ANY I.T. WORK IS DONE AT THE VILLAGE ECE.

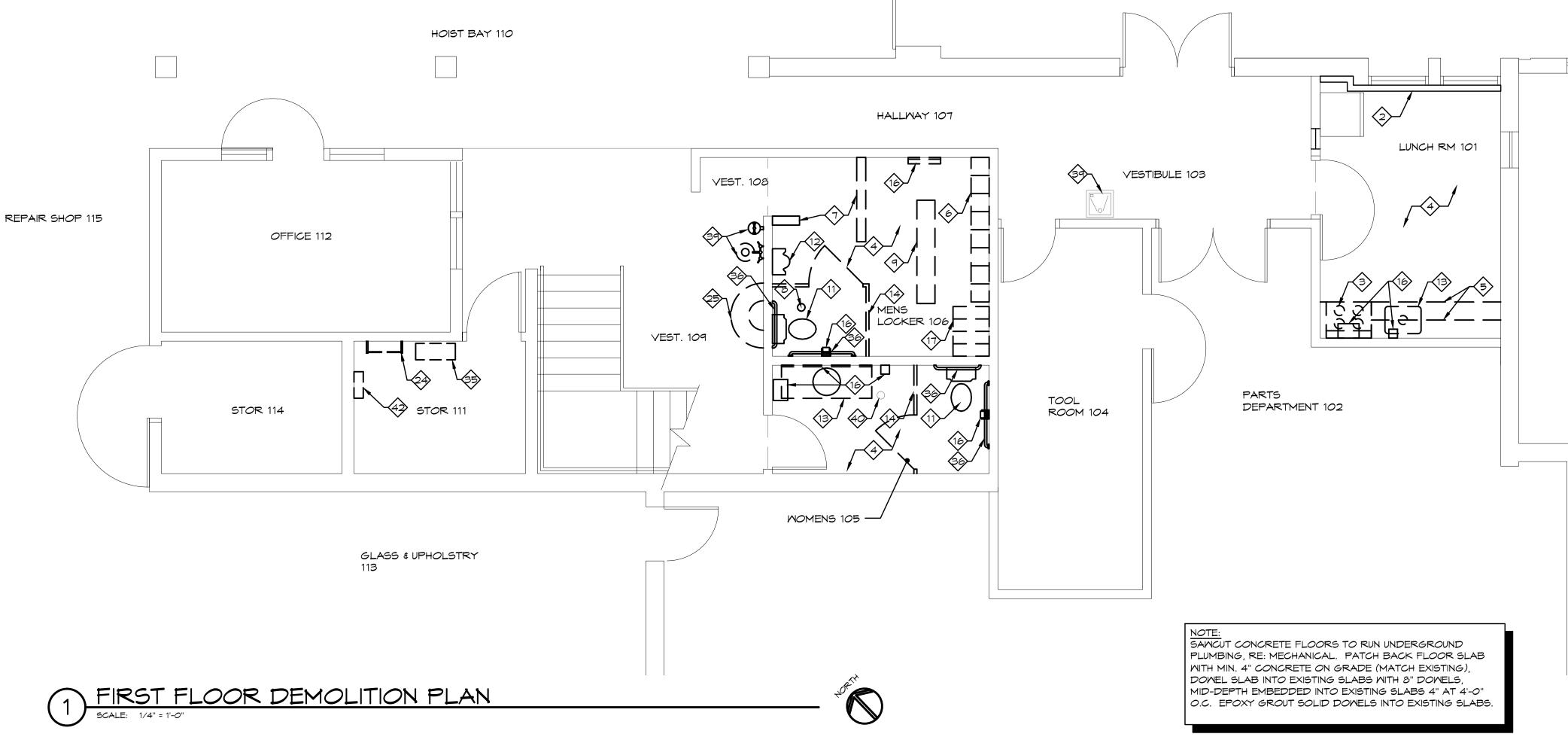


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### GENERAL NOTES: ALL DEMOLITION FLOOR PLANS

- 1. REFER TO FLOOR PLANS, CEILING PLANS, ROOF PLANS AND ELEVATIONS TO UNDERSTAND THE FULL EXTENT OF DEMOLITION REQUIRED TO COMPLETE THE PROJECT.
- PERFORM ALL DEMOLITION REQUIRED FOR INSTALLATION OF COMPLETE 2. ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS AS DESCRIBED BY THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING SYSTEMS, FIXTURES AND FINISHES FROM DAMAGE DUE TO DEMOLITION ACTIVITIES. ALL DAMAGED ITEMS AND FINISHES TO BE REPAIRED TO ORIGINAL CONDITION.
- 4. PROVIDE DUST PROTECTION FOR ALL FIRE ALARM DEVICES DURING CONSTRUCTION. PROVIDE DUST PROTECTION AT ALL WORK LOCATIONS, SEGREGATE WORK AREAS FROM AREA WHERE NORMAL OPERATIONS ARE OCCURRING. PROTECT ALL ELECTRONIC EQUIPMENT FROM DUST CREATED BY DEMOLITION AND CONSTRUCTION.
- 5. ALL PIPE PENETRATIONS TO BE SIZED TO ACCOMMODATE CONTINUOUS PIPE INSULATION.
- 6. ALL ITEMS NOTED AS SALVAGE TO OWNER, REVIEW W/ OWNER TO DETERMINE IF OWNER WANTS ITEM, IF NOT DISPOSE OF ITEM PER CONTRACT DOCUMENTS.
- 7. ALL EXISTING FLOORS TO RECEIVE NEW FINISH TO RECEIVE HYDRAULIC CEMENT UNDERLAYMENT TO CREATE A LEVEL SURFACE PRIOR TO FINISH FLOORING INSTALLATION.
- 8. FIELD VERIFY LOCATION OF ALL ELECTRICAL AND MECHANICAL IN AREAS OF CEILING DEMOLITION. REMOVE, PROTECT, AND SALVAGE FOR RE-INSTALLATION ALL ELECTRICAL AND MECHANICAL FIXTURES AS REQUIRED FOR NEW CONSTRUCTION.
- 9. MAINTAIN FIRE RATING THROUGHOUT BUILDING, INCLUDING WALLS FLOOR/ CEILING ASSEMBLIES, CEILING/ROOF ASSEMBLIES, ETC. AS WELL AS ALL OTHER CONSTRUCTION AS NOTED ON CODE STUDY. ALL NEW AND ABANDONED PENETRATIONS ARE TO BE SEALED AS REQUIRED TO MAINTAIN (E) FIRE RATING.

- 10. ALL EXISTING MASONRY BEING DEMOLISHED IS TO BE SALVAGED FOR RE-INSTALLATION AT WALL RECEIVING PATCHING / INFILL. CARE IS TO BE TAKEN WHEN SALVAGING MASONRY TO ENSURE ENOUGH MASONRY WILL BE SALVAGED IN GOOD CONDITION FOR PATCHWORK.
- 11. CONTRACTOR TO TAKE PRECAUTIONS WHEN DEMOLISHING EXISTING WALLS OR PORTIONS OF EXISTING WALLS TO AVOID CUTTING, DAMAGING OR INCAPACITATING ANY EXISTING SYSTEMS (LOW VOLTAGE, PHONE, DATA, ETC.) CURRENTLY IN PLACE WITHIN THE BUILDING. ANY DAMAGE TO EXISTING SYSTEMS MUST BE REPAIRED TO FULL WORKING ORDER PRIOR TO CONSTRUCTION COMPLETION.
- 12. CONTRACTOR TO SUPPLY SHORING FOR ALL STRUCTURAL WORK, AS REQUIRED FOR ANY STRUCTURAL CHANGES OR PARTIAL WALL DEMOLITION. CONTRACTOR TO SUPPLY ENGINEERING REQUIRED FOR ALL SHORING. RE: SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 13. CONTRACTOR TO REMOVE ALL PLUMBING, MECHANICAL, AND ELECTRICAL AS REQUIRED TO ACCOMPLISH WORK SHOWN ON THE ARCHITECTURAL DRAWINGS. PLUMBING, MECHANICAL, AND ELECTRICAL ARE TO BE PUT BACK IN WORKING ORDER AFTER COMPLETION OF ARCHITECTURAL WORK.
- 14. CABLING CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE REMOVAL OF ABANDONED CABLING IN BLDG AFTER NEW INFRASTRUCTURE IS INSTALLED. CLEAN UP AND REMOVAL OF ELIMINATED RACKS, RACEWAY AND PATHWAY AFTER NEW EQUIPMENT IS UP AND RUNNING. CABLING CONTRACTOR SHALL COORDINATE WITH GC FOR BEST COMPLETION.
- 15. REMOVE (E) FIRE ALARM ASSEMBLY COMPLETE (PANELS, CONDUITS, WIRING DEVICES ETC.) PATCH AND PAINT AS REQ'D. PREPARE FOR NEW FIRE ALARM SYSTEM, RE: ELECTRICAL PLANS.
- 16. CONTRACTOR TO UTILIZE GROUND PENETRATING RADAR TO LOCATE REBAR, CONDUIT, AND PIPING IN (E) CONCRETE PRIOR TO ANY CONCRETE DEMO AND CORE DRILLING.

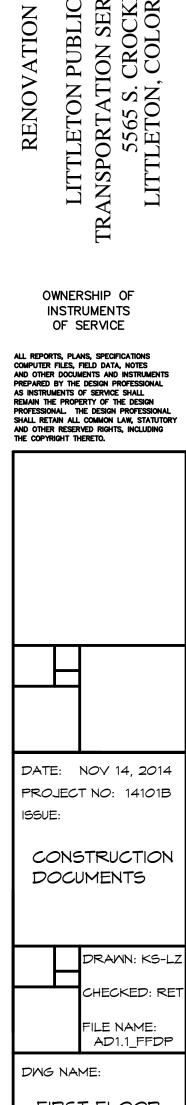


## OEMO NOTES: ALL DEMO PLANS

- (1.) REMOVE EXISTING DOOR, HARDWARE, & FRAME ASSEMBLY COMPLETE. 2. (E) BASE BOARD HEAT TO REMAIN, PROTECT DURING CONSTRUCTION
- PROCESS, RE: MECH.
- 3. REMOVE (E) STOVE, SALVAGE FOR REINSTALLATION. 4. REMOVE ALL FLOORING & WALL BASE, THIS ENTIRE ROOM, PREPARE FOR NEW FLOORING.
- 5. REMOVE EXISTING CASEWORK ASSEMBLY COMPLETE.
- 6. REMOVE LOCKER ASSEMBLY COMPLETE, SALVAGE FOR REINSTALLATION @ NEW LOCATION. CLEAN AND ELECTROSTATIC PAINT.
- 7. REMOVE (E) CMU WALL ASSEMBLY COMPLETE ..
- 8. REMOVE (E) FLOOR DRAIN ASSEMBLY COMPLETE, RE: PLUMBING. PATCH 21. REMOVE CASEWORK, COUNTERTOP, AND SUPPOR CONCRETE.
- 9. REMOVE (E) BENCH ASSEMBLY COMPLETE. PATCH FLOOR AS REQUIRED.
- 10. SAW CUT AND REMOVE CAREFULLY (E) MASONRY WALL (SALVAGE REMOVED SCORED MASONRY TO BE REUSE AT REMOVED STOREFRONT AREA) AS REQUIRED FOR NEW EXTERIOR DOOR AND SIDELIGHT. RE: DOOR SCHEDULE.
- 11. REMOVE EXISTING WATER CLOSET ASSEMBLY COMPLETE, RE: PLUMBING. 25. REMOVE (E) HAND WASH BASIN ASSEMBLY COMP
- 12. REMOVE EXISTING URINAL ASSEMBLY COMPLETE, RE: PLUMBING.
- 13. REMOVE EXISTING SINK AND COUNTERTOP ASSEMBLY COMPLETE, RE: PLUMBING.
- 14. REMOVE EXISTING TOILET STALL ASSEMBLIES COMPLETE, INCLUDING ALL 28. REMOVE TRANSITION STRIP AND/ OR TRIM (E) CARPET AS REQUIRED BY 42. REMOVE (E) ELECTRICAL PANEL TO (N) MDF ROOM. RE: ELECTRICAL. STALL MOUNTED ACCESSORIES.

- 15. REMOVE EXISTING DRINKING FOUNTAIN ASSEMBL
- 16. REMOVE (E) SOAP, PAPER TOWEL, TOILET TISSUE DISPENSER \$/OR MIRROR ASSEMBLY COMPLETE RE-INSTALLATION AT NEW LOCATIONS.
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- 18. REMOVE (E) MOP SINK ASSEMBLY COMPLETE, RE
- 19. REMOVE WALL ASSEMBLY COMPLETE, INCLUDING ELECTRICAL, OR PLUMBING. PATCH AS REQUIRED CONSTRUCTION, TYPICAL.
- 20. REMOVE WINDOW AND FRAME ASSEMBLY COMP.
- TO OWNER.
- 22. REMOVE (E) T.V. COMPLETE, SALVAGE FOR REIN
- 23. REMOVE SHELVING ASSEMBLY COMPLETE, SALV
- 24. REMOVE (E) LADDER ASSEMBLY COMPLETE. PAT REQUIRED - PAINT.
- INSTALLATION OF (N) HAND WASH BASIN. RE: PLUI
- 26. REMOVE (E) CARD READER, RE: ELECTRICAL PLA
- 27. REMOVE (E) WINDOW BLINDS ASSEMBLY COMPLE
- NEW FLOORING TO STRAIGHT EDGE.

BLY COMPLETE.	29. REMOVE ELECTRICAL PANEL COMPLETE, RE: ELECTRICAL.	
BLT COMPLETE.	29. REMOVE ELECTRICAL FAREL COMPLETE, RE: ELECTRICAL.	
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	31. REMOVE EXISTING MECHANICAL DUCT, RE: MECHANICAL.	
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	33. EXISTING HOUSEKEEPING PAD TO REMAIN.	
RE: PLUMBING.	34. SAM CUT (E) CONCRETE FLOOR AS REQ'D TO INSTALL NEW HATCH	
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ORTS COMPLETE. SALVAGE	36. REMOVE (E) GRAB BARS ASSEMBLY COMPLETE. SALVAGE FOR REINSTALLATION.	ARCHITECTURE 2175 S. JASMINE ST.
EINSTALLATION.		SUITE 217 DENVER CO 80222
VAGE TO OWNER.	37. DEMO (E) CONCRETE FLOOR AS REQUIRED TO PERMIT INSTALL OF NEW MECHANICAL DUCT, RE: MECHANICAL DRAWINGS FOR SIZE AND LOCATION.	PH: (303) 691-8000
ATCH WALL/ FLOOR AS	38. (E) WATER HEATER TO REMAIN, RE: PLUMBING DWGS.	FX: (303) 756-2332
MPLETE, CAP LINES FOR LUMBING.	39. REMOVE (E) EYE WASH AND (E) EMERGENCY SHOWER ASSEMBLIES, RE: PLUMBING.	
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LETE.	41. REMOVE (E) BASE BOARD HEAT, SALVAGE TO REINSTALL. RE: MECHANICAL & PLUMBING DRAWINGS.	$\sim$



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FOR:

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FIRST FLOOR DEMOLITION PLAN

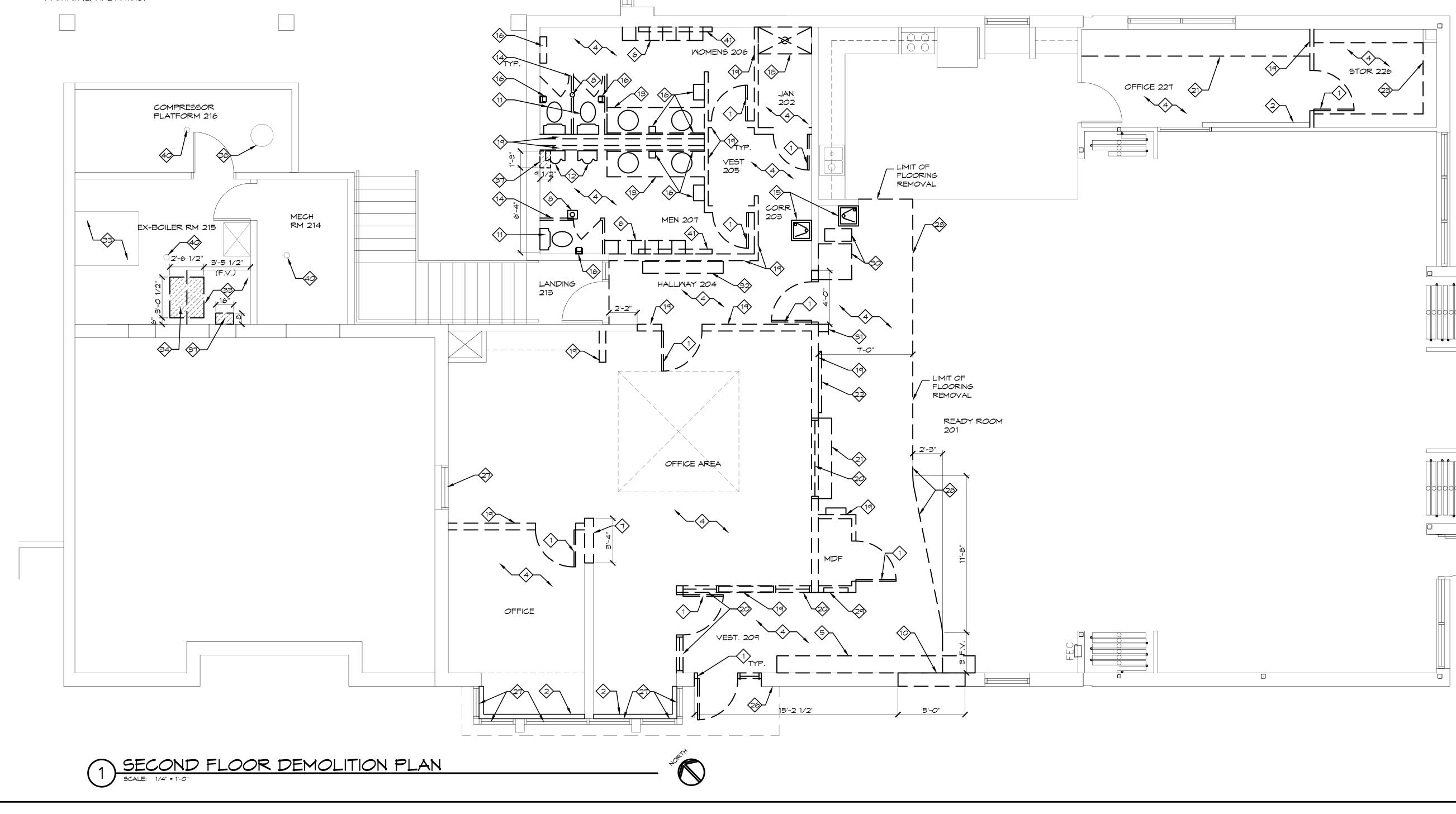
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GENERAL NOTES: ALL DEMOLITION FLOOR PLANS

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- 2. PERFORM ALL DEMOLITION REQUIRED FOR INSTALLATION OF COMPLETE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS AS DESCRIBED BY THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING SYSTEMS, FIXTURES AND FINISHES FROM DAMAGE DUE TO DEMOLITION ACTIVITIES. ALL DAMAGED ITEMS AND FINISHES TO BE REPAIRED TO ORIGINAL CONDITION.
- 4. PROVIDE DUST PROTECTION FOR ALL FIRE ALARM DEVICES DURING CONSTRUCTION. PROVIDE DUST PROTECTION AT ALL WORK LOCATIONS. SEGREGATE WORK AREAS FROM AREA WHERE NORMAL OPERATIONS ARE OCCURRING. PROTECT ALL ELECTRONIC EQUIPMENT FROM DUST CREATED BY DEMOLITION AND CONSTRUCTION.
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- 13. CONTRACTOR TO REMOVE ALL PLUMBING, MECHANICAL, AND ELECTRICAL AS REQUIRED TO ACCOMPLISH WORK SHOWN ON THE ARCHITECTURAL DRAWINGS. PLUMBING, MECHANICAL, AND ELECTRICAL ARE TO BE PUT BACK IN WORKING ORDER AFTER COMPLETION OF ARCHITECTURAL WORK.
- CABLING CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE 14. REMOVAL OF ABANDONED CABLING IN BLDG AFTER NEW INFRASTRUCTURE IS INSTALLED. CLEAN UP AND REMOVAL OF ELIMINATED RACKS, RACEWAY AND PATHWAY AFTER NEW EQUIPMENT IS UP AND RUNNING. CABLING CONTRACTOR SHALL COORDINATE WITH GC FOR BEST COMPLETION.
- 15. REMOVE (E) FIRE ALARM ASSEMBLY COMPLETE (PANELS, CONDUITS, WIRING, DEVICES, ETC.), PATCH AND PAINT AS REQ'D. PREPARE FOR NEW FIRE ALARM SYSTEM, RE: ELECTRICAL PLANS.
- 16. CONTRACTOR TO UTILIZE GROUND PENETRATING RADAR TO LOCATE REBAR, CONDUIT, AND PIPING IN (E) CONCRETE PRIOR TO ANY CONCRETE DEMO AND CORE DRILLING.



## OEMO NOTES: ALL DEMO PLANS

PROCESS, RE: MECH.

(1.) REMOVE EXISTING DOOR, HARDWARE, & FRAME ASSEMBLY COMPLETE.

- 2. (E) BASE BOARD HEAT TO REMAIN, PROTECT DURING CONSTRUCTION 16. REMOVE (E) SOAP, PAPER TOWEL, TOILET TISSUE, FEM. SANT. NAPKIN
- 3. REMOVE (E) STOVE, SALVAGE FOR REINSTALLATION.
- 4. REMOVE ALL FLOORING & WALL BASE, THIS ENTIRE ROOM, PREPARE FOR NEW FLOORING.
- 5. REMOVE EXISTING CASEWORK ASSEMBLY COMPLETE.
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- 7. REMOVE (E) CMU WALL ASSEMBLY COMPLETE ..
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- 9. REMOVE (E) BENCH ASSEMBLY COMPLETE. PATCH FLOOR AS REQUIRED. 22. REMOVE (E) T.V. COMPLETE, SALVAGE FOR REINSTALLATION.
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- 12. REMOVE EXISTING URINAL ASSEMBLY COMPLETE, RE: PLUMBING.
- 13. REMOVE EXISTING SINK AND COUNTERTOP ASSEMBLY COMPLETE, RE: PLUMBING.
- STALL MOUNTED ACCESSORIES.

- 15. REMOVE EXISTING DRINKING FOUNTAIN ASSEMBLY COMPLETE.
- DISPENSER \$/OR MIRROR ASSEMBLY COMPLETE, SALVAGE FOR RE-INSTALLATION AT NEW LOCATIONS.
- DO NOT PAINT.
- 18. REMOVE (E) MOP SINK ASSEMBLY COMPLETE, RE: PLUMBING.
- 19. REMOVE WALL ASSEMBLY COMPLETE, INCLUDING ANY MECHANICAL, ELECTRICAL, OR PLUMBING. PATCH AS REQUIRED FOR NEW CONSTRUCTION, TYPICAL.
- 20. REMOVE WINDOW AND FRAME ASSEMBLY COMPLETE.
- REMOVE CASEWORK, COUNTERTOP, AND SUPPORTS COMPLETE. SALVAGE 21. TO OWNER.
- 23. REMOVE SHELVING ASSEMBLY COMPLETE, SALVAGE TO OWNER.
- 24. REMOVE (E) LADDER ASSEMBLY COMPLETE. PATCH WALL/ FLOOR AS REQUIRED - PAINT.
- 11. REMOVE EXISTING WATER CLOSET ASSEMBLY COMPLETE, RE: PLUMBING. 25. REMOVE (E) HAND WASH BASIN ASSEMBLY COMPLETE, CAP LINES FOR INSTALLATION OF (N) HAND WASH BASIN. RE: PLUMBING.
  - 26. REMOVE (E) CARD READER, RE: ELECTRICAL PLANS.
  - 27. REMOVE (E) WINDOW BLINDS ASSEMBLY COMPLETE.
- 14. REMOVE EXISTING TOILET STALL ASSEMBLIES COMPLETE, INCLUDING ALL 28. REMOVE TRANSITION STRIP AND/ OR TRIM (E) CARPET AS REQUIRED BY 42. REMOVE (E) ELECTRICAL PANEL TO (N) MDF ROOM. RE: ELECTRICAL. NEW FLOORING TO STRAIGHT EDGE.

- 29. REMOVE ELECTRICAL PANEL COMPLETE, RE: ELECTRICAL.
- 30. REMOVE SODA AND ICE MACHINE, SALVAGE FOR REINSTALLATION.
- 31. REMOVE EXISTING MECHANICAL DUCT, RE: MECHANICAL.
- 17. REMOVE (E) LOCKERS, SALVAGE FOR REINSTALLATION @ NEW LOCATION, 32. REMOVE MAIL SLOT UNIT ASSEMBLY COMPLETE, SALVAGE TO OWNER.
  - 33. EXISTING HOUSEKEEPING PAD TO REMAIN.
  - 34. SAW CUT (E) CONCRETE FLOOR AS REQ'D TO INSTALL NEW HATCH ACCESS. (F.V. BEST LOCATION).
  - 35. REMOVE (E) REFUELING CONTROL EQUIPMENT ASSEMBLY COMPLETE. SALVAGE FOR REINSTALLATION @ NEW LOCATION. DEMO & REINSTALLATION MUST BE DONE IMMEDIATELY FOR MINIMUM DISRUPTION OF REFUELING. RE: ELECTRICAL.
  - 36. REMOVE (E) GRAB BARS ASSEMBLY COMPLETE. SALVAGE FOR REINSTALLATION.
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  - 38. (E) WATER HEATER TO REMAIN, RE: PLUMBING DWGS.
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39. REMOVE (E) EYE WASH AND (E) EMERGENCY SHOWER ASSEMBLIES, RE:

41. REMOVE (E) BASE BOARD HEAT, SALVAGE TO REINSTALL. RE: MECHANICAL & PLUMBING DRAWINGS.

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INST OF ALL REPORTS, F COMPUTER FILES AND OTHER DOU PREPARED BY T AS INSTRUMENT REMAIN THE PR PROFESSIONAL SHALL RETAIN A	ALL COMMON LAW, STATUTORY SERVED RIGHTS, INCLUDING
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YON TANNER

2175 S. JASMINE ST.

DENVER CO 80222

PH: (303) 691-8000

FX: (303) 756-2332

SUITE 217

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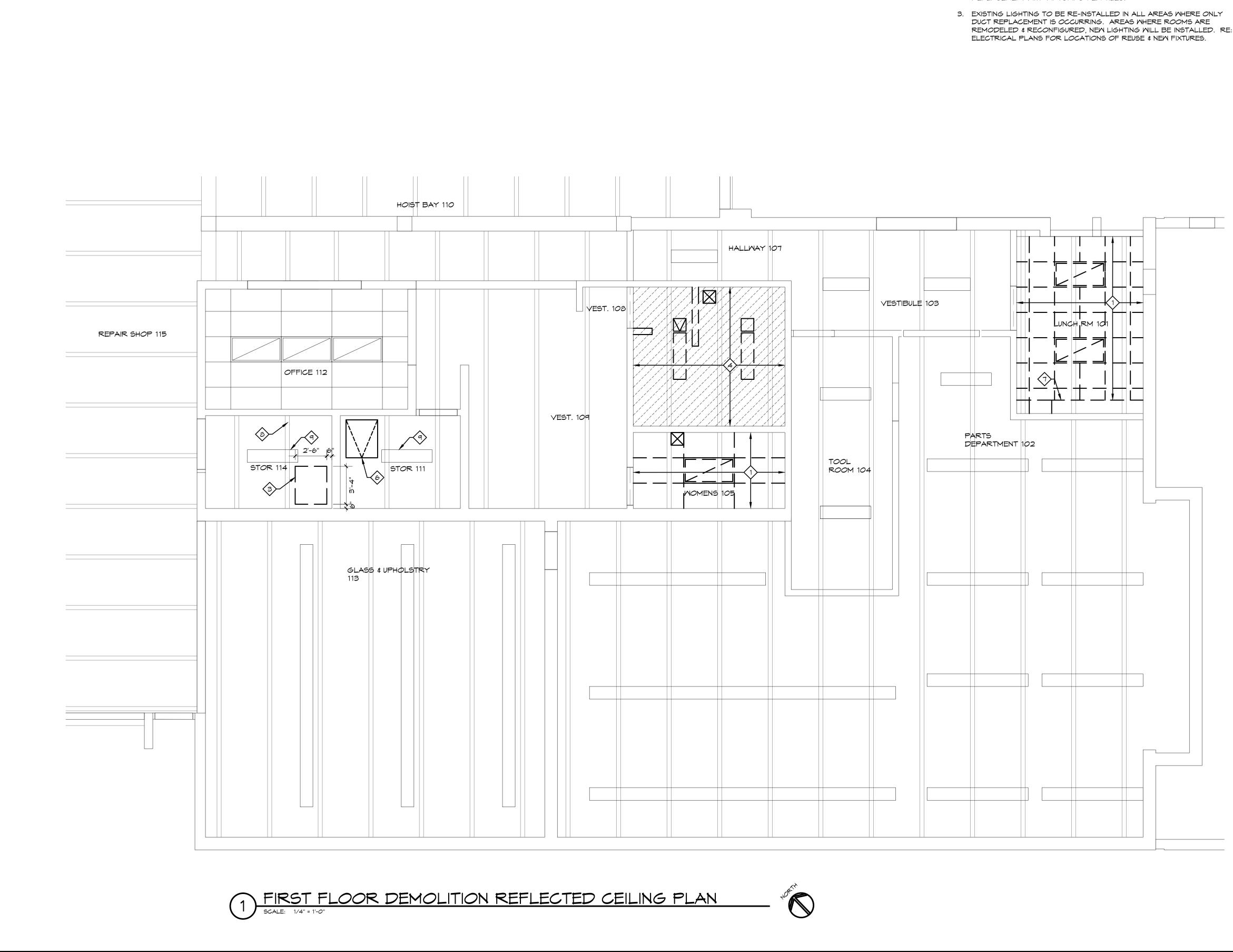
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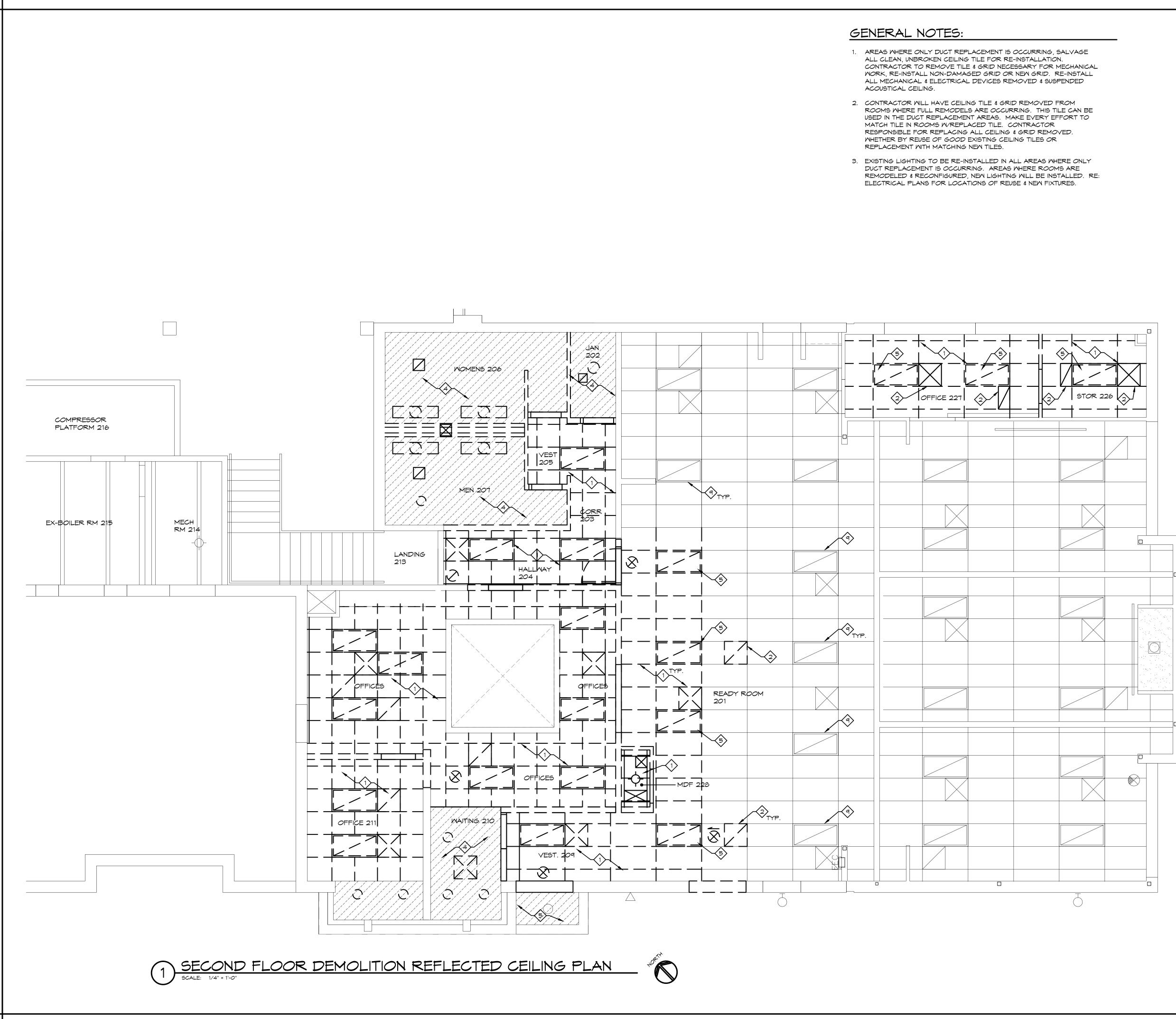


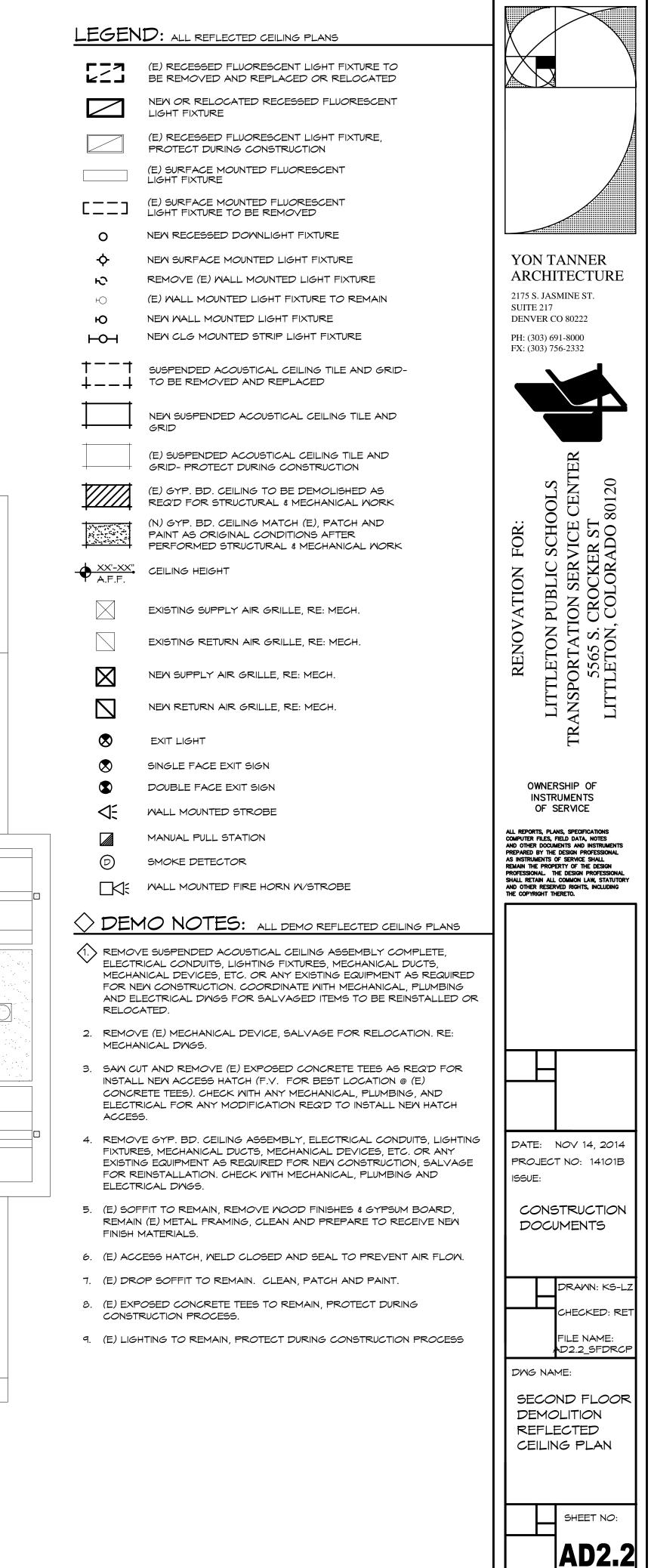
## GENERAL NOTES:

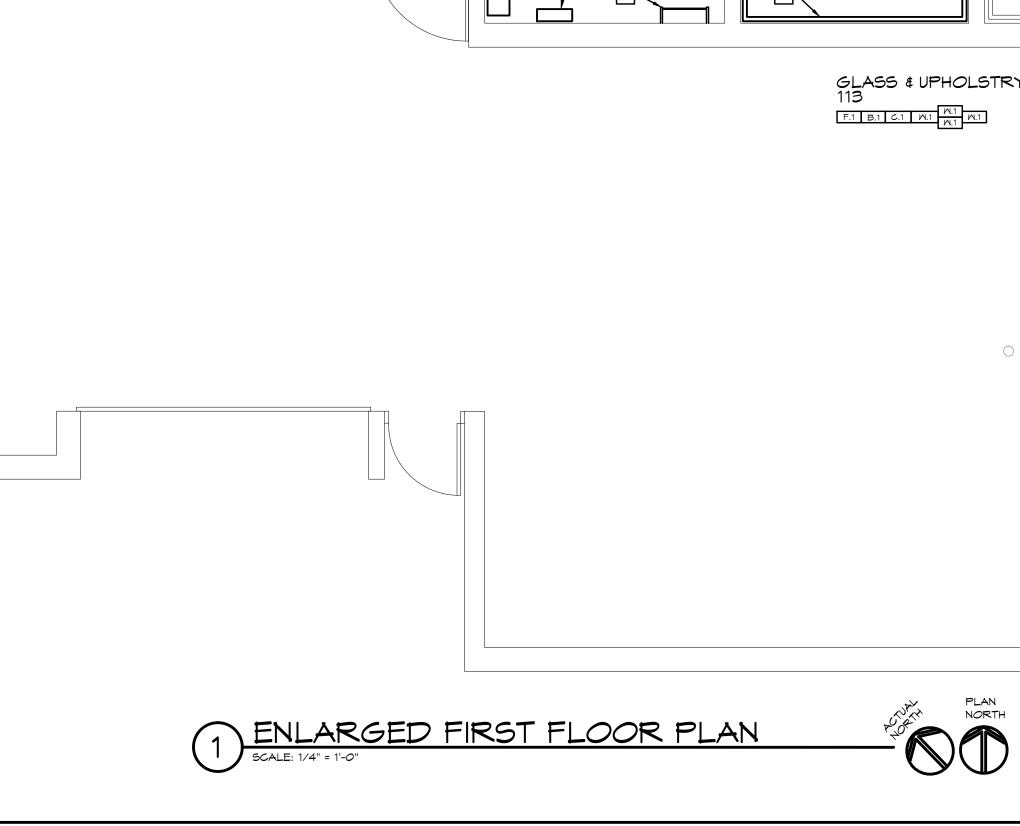
- 1. AREAS WHERE ONLY DUCT REPLACEMENT IS OCCURRING, SALVAGE ALL CLEAN, UNBROKEN CEILING TILE FOR RE-INSTALLATION. CONTRACTOR TO REMOVE TILE & GRID NECESSARY FOR MECHANICAL WORK, RE-INSTALL NON-DAMAGED GRID OR NEW GRID. RE-INSTALL ALL MECHANICAL & ELECTRICAL DEVICES REMOVED & SUSPENDED ACOUSTICAL CEILING.
- 2. CONTRACTOR WILL HAVE CEILING TILE & GRID REMOVED FROM ROOMS WHERE FULL REMODELS ARE OCCURRING. THIS TILE CAN BE USED IN THE DUCT REPLACEMENT AREAS. MAKE EVERY EFFORT TO MATCH TILE IN ROOMS W/REPLACED TILE. CONTRACTOR RESPONSIBLE FOR REPLACING ALL CEILING & GRID REMOVED. WHETHER BY REUSE OF GOOD EXISTING CEILING TILES OR REPLACEMENT WITH MATCHING NEW TILES.

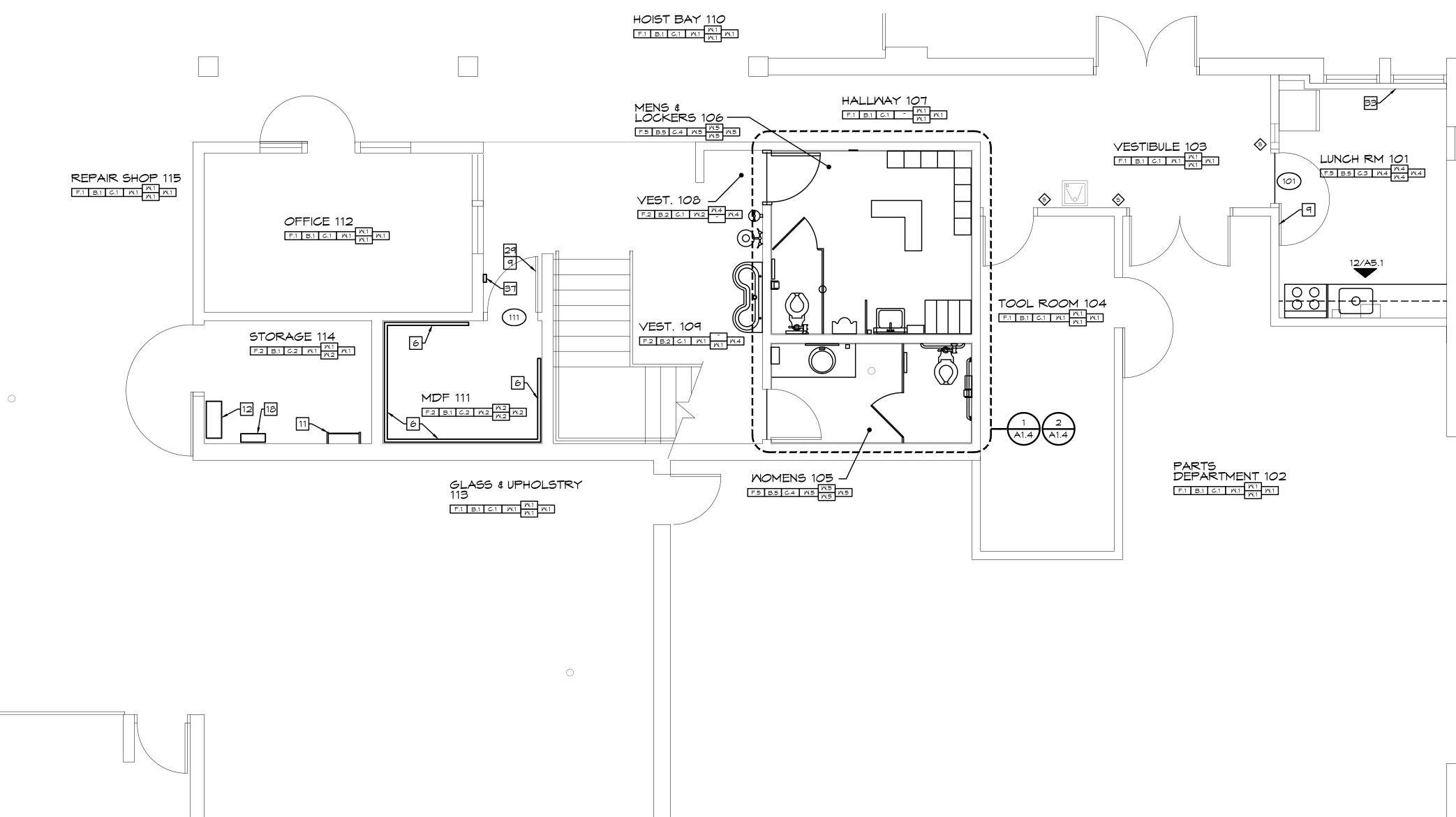
	LEGEN	$\mathcal{D}$ : All reflected ceiling plans	
		(E) RECESSED FLUORESCENT LIGHT FIXTURE TO	
		BE REMOVED AND REPLACED OR RELOCATED	
		NEW OR RELOCATED RECESSED FLUORESCENT LIGHT FIXTURE	
		(E) RECESSED FLUORESCENT LIGHT FIXTURE, PROTECT DURING CONSTRUCTION	
		(E) SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE	
	[]]	(E) SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE TO BE REMOVED	
	0	NEW RECESSED DOWNLIGHT FIXTURE	YON TANNER
<b>:</b>	<b>\$</b>	NEW SURFACE MOUNTED LIGHT FIXTURE	ARCHITECTURE
	<b>ю</b>	REMOVE (E) WALL MOUNTED LIGHT FIXTURE (E) WALL MOUNTED LIGHT FIXTURE TO REMAIN	2175 S. JASMINE ST. SUITE 217 DENVER CO 80222
	Ю	NEW WALL MOUNTED LIGHT FIXTURE NEW CLG MOUNTED STRIP LIGHT FIXTURE	PH: (303) 691-8000 FX: (303) 756-2332
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		SUSPENDED ACOUSTICAL CEILING TILE AND GRID- TO BE REMOVED AND REPLACED	
		NEW SUSPENDED ACOUSTICAL CEILING TILE AND GRID	ER
	↓↓ 	(E) SUSPENDED ACOUSTICAL CEILING TILE AND GRID- PROTECT DURING CONSTRUCTION	NT NT 20
		(E) GYP. BD. CEILING TO BE DEMOLISHED AS REQ'D FOR STRUCTURAL & MECHANICAL WORK	: OOLS E CENT r 80120
		(N) GYP. BD. CEILING MATCH (E), PATCH AND PAINT AS ORIGINAL CONDITIONS AFTER PERFORMED STRUCTURAL & MECHANICAL WORK	RENOVATION FOR: LITTLETON PUBLIC SCHOOI ANSPORTATION SERVICE CE 5565 S. CROCKER ST LITTLETON, COLORADO 801
	• XX'-XX'' A.F.F.	CEILING HEIGHT	RENOVATION FO LITTLETON PUBLIC SC NSPORTATION SERVIC 5565 S. CROCKER LITTLETON, COLORAD
		EXISTING SUPPLY AIR GRILLE, RE: MECH.	OVA NN P ATIC S. C NN, G
		EXISTING RETURN AIR GRILLE, RE: MECH.	RENOV LITTLETON ANSPORTATI 5565 S. ( LITTLETON,
	$\boxtimes$	NEM SUPPLY AIR GRILLE, RE: MECH.	[ TTI]
		NEW RETURN AIR GRILLE, RE: MECH.	L] RAN LJ
	$\bigotimes$	EXIT LIGHT	E
	$\bigotimes$	SINGLE FACE EXIT SIGN	OWNERSHIP OF
	<b>⊗</b> ⊲:	DOUBLE FACE EXIT SIGN WALL MOUNTED STROBE	INSTRUMENTS OF SERVICE
		MANUAL PULL STATION	ALL REPORTS, PLANS, SPECIFICATIONS COMPUTER FILES, FIELD DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY THE DESIGN PROFESSIONAL
	$\bigcirc$	SMOKE DETECTOR	AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL THE DESIGN PROFESSIONAL SHALL RETAIN ALL COMMON LAW, STATUTORY
		WALL MOUNTED FIRE HORN W/STROBE	AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THERETO.
		10 NOTES: ALL DEMO REFLECTED CEILING PLANS	
	ELECTR MECHAN FOR NE	E SUSPENDED ACOUSTICAL CEILING ASSEMBLY COMPLETE, RICAL CONDUITS, LIGHTING FIXTURES, MECHANICAL DUCTS, NICAL DEVICES, ETC. OR ANY EXISTING EQUIPMENT AS REQUIRED W CONSTRUCTION. COORDINATE WITH MECHANICAL, PLUMBING ECTRICAL DWGS FOR SALVAGED ITEMS TO BE REINSTALLED OR ATED.	
		'E (E) MECHANICAL DEVICE, SALVAGE FOR RELOCATION. RE: NICAL DWGS.	
	INSTALL CONCR	IT AND REMOVE (E) EXPOSED CONCRETE TEES AS REQ'D FOR NEW ACCESS HATCH (F.V. FOR BEST LOCATION @ (E) ETE TEES). CHECK WITH ANY MECHANICAL, PLUMBING, AND RICAL FOR ANY MODIFICATION REQ'D TO INSTALL NEW HATCH 5.	
	FIXTURE EXISTING F <i>O</i> R RE	E GYP. BD. CEILING ASSEMBLY, ELECTRICAL CONDUITS, LIGHTING S, MECHANICAL DUCTS, MECHANICAL DEVICES, ETC. OR ANY G EQUIPMENT AS REQUIRED FOR NEW CONSTRUCTION, SALVAGE EINSTALLATION. CHECK WITH MECHANICAL, PLUMBING AND RICAL DWGS.	DATE: NOV 14, 2014 PROJECT NO: 14101B ISSUE: CONSTRUCTION
	REMAIN	FIT TO REMAIN, REMOVE WOOD FINISHES & GYPSUM BOARD, I (E) METAL FRAMING, CLEAN AND PREPARE TO RECEIVE NEW MATERIALS.	DOCUMENTS
	6. (E) ACC	ESS HATCH, WELD CLOSED AND SEAL TO PREVENT AIR FLOW.	
		OP SOFFIT TO REMAIN. CLEAN, PATCH AND PAINT.	DRAWN: KS-LZ CHECKED: RET
		OSED CONCRETE TEES TO REMAIN, PROTECT DURING RUCTION PROCESS.	FILE NAME:
	9. (E) LIGH	ITING TO REMAIN, PROTECT DURING CONSTRUCTION PROCESS	AD2.1_FFDRCP DWG NAME:
			FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN

**AD2.1** 









## FINISH SCHEDULE

### ROOM NAME, ROOM NUMBER FLOOR BASE CEILING WEST WALL EAST WALL SOUTH WALL

- F.1 (E) FLOORING TO REMAIN PROTECT DURING CONSTRUCTI F.2 (E) FLOORING TO REMAIN - PATCH TO MATCH EXISTING AS
- REQUIRED FOR NEW CONSTRUCTION F.3 CARPET F.4 VCT
- F.5 SLIP RESISTANT SEAMLESS RESIN FLOORING
- B.1 (E) BASE TO REMAIN PROTECT DURING CONSTRUCTION B.2 (E) BASE TO REMAIN - PATCH TO MATCH EXISTING AS REQUIRED BY NEW CONSTRUCTION B.3 4" RUBBER BASE
- B.4 WALL TILE BASE
- B.5 6" SEAMLESS BASE, RE: DTL 7/A6.3 OR 8/A6.3, RE PLANS
- C.1 (E) CEILING TO REMAIN PROTECT DURING CONSTRUCTION C.2 (E) CEILING TO REMAIN - PATCH CEILING ASSEMBLY AS
- REQUIRED BY NEW CONSTRUCTION C.3 2'X4' SUSPENDED ACOUSTICAL CEILING TILE & GRID
- C.4 GYPSUM BOARD CEILING ASSEMBLY- PAINT
- W.1 (E) WALL TO REMAIN PROTECT DURING CONSTRUCTION W.2 (E) WALL TO REMAIN - PATCH AS REQUIRED BY NEW
- CONSTRUCTION PAINT FULL WALL. W.3 GYPSUM BOARD - PAINT
- M.4 (E) CMU PAINT
- W.5 (E) CMU TILE FULL HEIGHT
- W.6 MOISTURE RESISTANT GYPSUM BOARD TILE FULL HEIGHT
- W.7 MOISTURE RESISTANT GYPSUM BOARD EPOXY PAINT W.8 HIGH IMPACT TYPE 'X' GYPSUM BOARD - PAINT

	KEY NOTES: ALL FLOOR PLANS	
	1. RELOCATE (E) CARD READER, RE: ELECTRICAL DWGS.	
	2. PATCH EXISTING WALLS WHERE WALL REMOVED. SMOOTH TRANSITION OF	
N	WALL. NEW FINISH FULL LENGTH OF WALL. 3. ALIGN NEW WALL WITH EXISTING WALL. SMOOTH TRANSITION, SAND	
	SMOOTH, FINISH WALL THICKNESS TO MATCH EXISTING.	
	<ol> <li>PROVIDE J-MOLD AND CONTINUOUS SEALANT WHERE GYP. BD. MEETS DISSIMILAR MATERIAL (TYP).</li> </ol>	
	5. INSTALL (N) WASH BASIN, RE: PLUMBING.	
	6. PROVIDE WALL-TO-WALL 3/4" PLYWOOD TO CEILING. PAINT (INCLUDING UNEXPOSED SIDE) WITH WHITE LATEX NON-CONDUCTIVE FIRE-RETARDANT OVERCOAT. COORDINATE W/ TECHNOLOGY CONSULTANT.	
	7. TOILET STALL ASSEMBLY COMPLETE.	YON TANNER
	8. (E) FLOOR DRAIN TO REMAIN. PROTECT DURING CONSTRUCTION PROCESS.	ARCHITECTURE
	9. (E) DOOR AND FRAME TO REMAIN, RE: DOOR SCHEDULE.	2175 S. JASMINE ST. SUITE 217
	10. REINSTALL SALVAGED LOCKERS. CLEAN AND ELECTROSTATIC PAINT. RE:	DENVER CO 80222 PH: (303) 691-8000
	DTL. 9/A6.2 11. (N) LADDER, RE: DTL 7 & 8/A6.2	FX: (303) 756-2332
	12. RELOCATED (E) REFUELING CONTROLLER EQUIPMENT, RE: ELECTRICAL	
	DWGS. 13. CLOSE, WELD & SEAL COMPLETELY (E) ACCESS HATCH TO PREVENT ALL	
	AIR FLOW. 14. (E) FLOORING TO REMAIN, PROTECT DURING CONSTRUCTION.	ER
	15. INSTALL NEW FLOOR HATCH ACCESS, RE: DTL. 12 & 13/A6.2. FIELD VERIFY BEST LOCATION AT CONCRETE TEES -CENTER BETWEEN TEES, DO NOT	
	CUT MAIN TEES. 16. PROVIDE BENCH 17 1/2" HEIGHT, 9 1/2" WIDE, 1 1/2" THICK, LAMINATE CLEAR HARDWOOD W/ SEALER & LACQUERS TO PEDESTAL -TUBULAR	ST H H S S S S S S S S S S S S S S S S S
	STEEL STANDARD SUPPORTS. 17. FLOOR MOUNTED URINAL SCREEN ASSEMBLY.	TION FO BLIC SC SERVIC OCKER
	18. RELOCATED (E) ELECTRICAL PANEL, RE: ELECTRICAL.	RENOVATION LETON PUBLIC DRTATION SEF 5565 S. CROCK LETON, COLOR
	19. 6' HIGH CORNER GUARD, TYP. OF ALL NEW CORNERS, RE SPECS.	DVAT N PUH TION S. CR(
	20. REINSTALL (E) T.V. AT WITH TOP 4" FROM CEILING. REUSE TV WALL MOUNTED SYSTEM.	RENOV LITTLETON LANSPORTATI 5565 S. LITTLETON,
	21. PROVIDE NEW JANITORIAL SINK. RE: PLUMBING.	RE TLE SS( TLE
	22. PROVIDE NEW 1" HORIZONTAL MINI-BLINDS SIZED FOR FULL WINDOW.	LTL
	23. PATCH CONCRETE, MATCH EXISTING.	I 'RAJ' L
	24. INFILL WALL WITH (E) SALVAGED SCORED BLOCK FROM NEW EXTERIOR DOOR OPENING @ EXTERIOR SIDE. ALIGN GYP. BD. W/ (E) GYP. @ INTERIOR SIDE. RE: DTL. 5 & 6/A6.2	E-
	25. PROVIDE NEW TRANSITION STRIP, RE: DTL 14/A6.1	OWNERSHIP OF INSTRUMENTS
	26. REINSTALL (E) TACKBOARD.	OF SERVICE
	27. REINSTALL (E) FEMININE NAPKIN DISPENSER. RE: A1.5.	ALL REPORTS, PLANS, SPECIFICATIONS COMPUTER FILES, FIELD DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY THE DESIGN PROFESSIONAL
	28. REINSTALL (E) TOILET SEAT COVER DISPENSER. RE: A1.5.	AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL. THE DESIGN PROFESSIONAL SHALL RETAIN ALL COMMON LAW, STATUTORY
	29. ADD SMOKE SEAL AND FLOOR SEAL (THRESHOLD TO THIS DOOR TO KEEP DUST OUT OF ROOM).	AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THERETO.
	30. REINSTALL LOCKERS @ NEW LOCATION, OWNED BY UNIFORM COMPANY- DO NOT PAINT.	
	31. REINSTALL SALVAGED LOCKERS @ NEW LOCATION. CLEAN AND ELECTROSTATIC PAINT.	
	32. PROVIDE FRP @ MOP SINK. INSTALL ABOVE SINK 48" HIGH.	
	33. (E) BASE BOARD HEAT TO REMAIN, PROTECT DURING CONSTRUCTION. RE: MECHANICAL DWGS.	
	34. REINSTALL (E) GRAB BARS, RE: A1.5.	
	35. REINSTALL (E) BASEBOARD HEAT. RE: MECHANICAL DWGS.	11
	36. PROVIDE NEW DIVIDER STRIP. RE: DTL 12/A6.3 SIM.	
	37. PROVIDE (N) CARD READER. RE: ELECTRICAL.	
	38. (N) MECHANICAL DUCT. RE: MECHANICAL.	DATE: NOV 14, 2014 PROJECT NO: 14101B
	39. (N) FLOOR DRAIN, RE: PLUMBING.	ISSUE:
	40. PROVIDE (N) EYE WASH AND (N) EMERGENCY SHOWER. RE: PLUMBING.	CONSTRUCTION DOCUMENTS
		DRAWN: KS-LZ
		CHECKED: RET

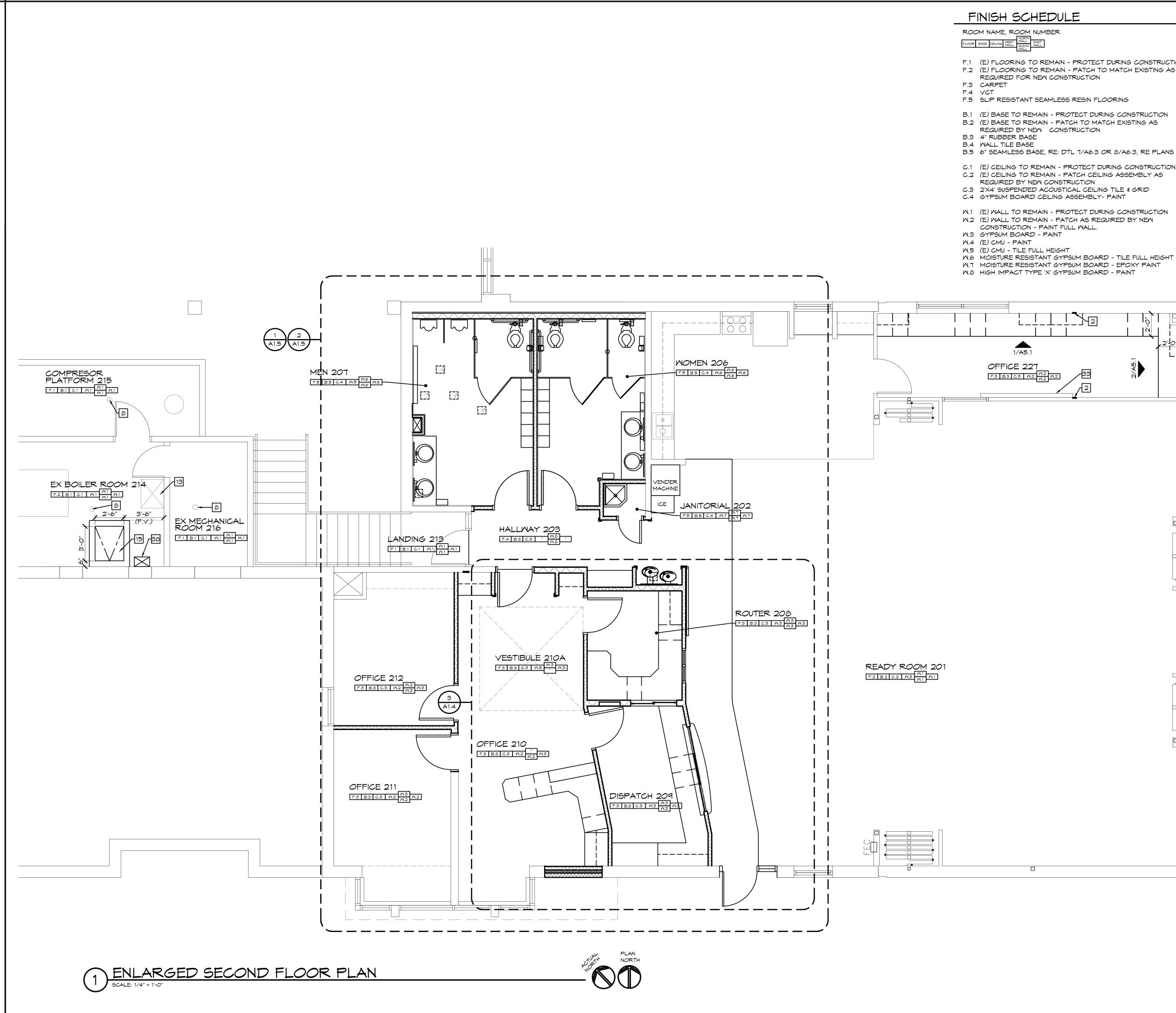
DNG NAME:

PLAN

ENLARGED FIRST FLOOR

SHEET NO:

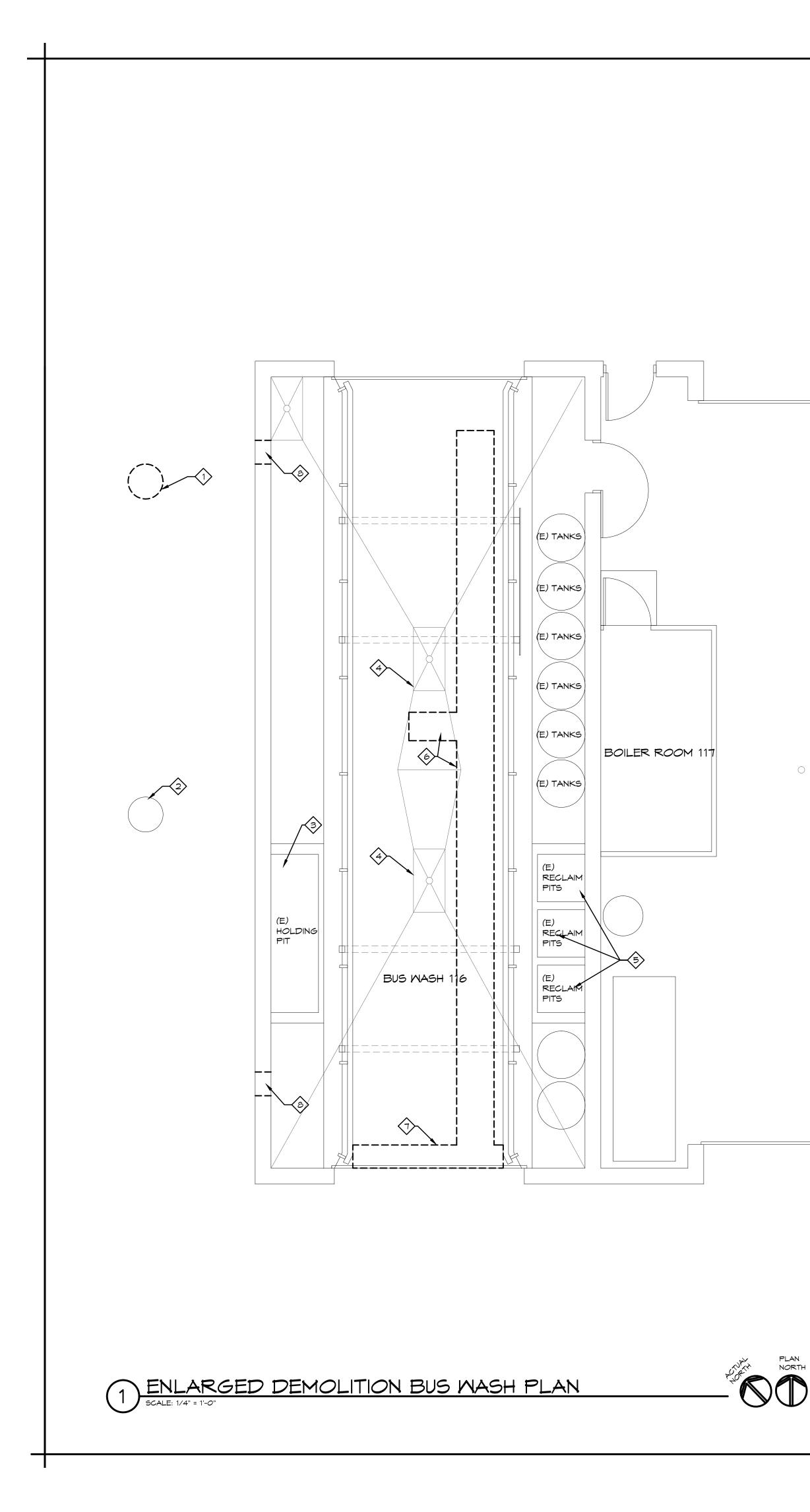
A1.1

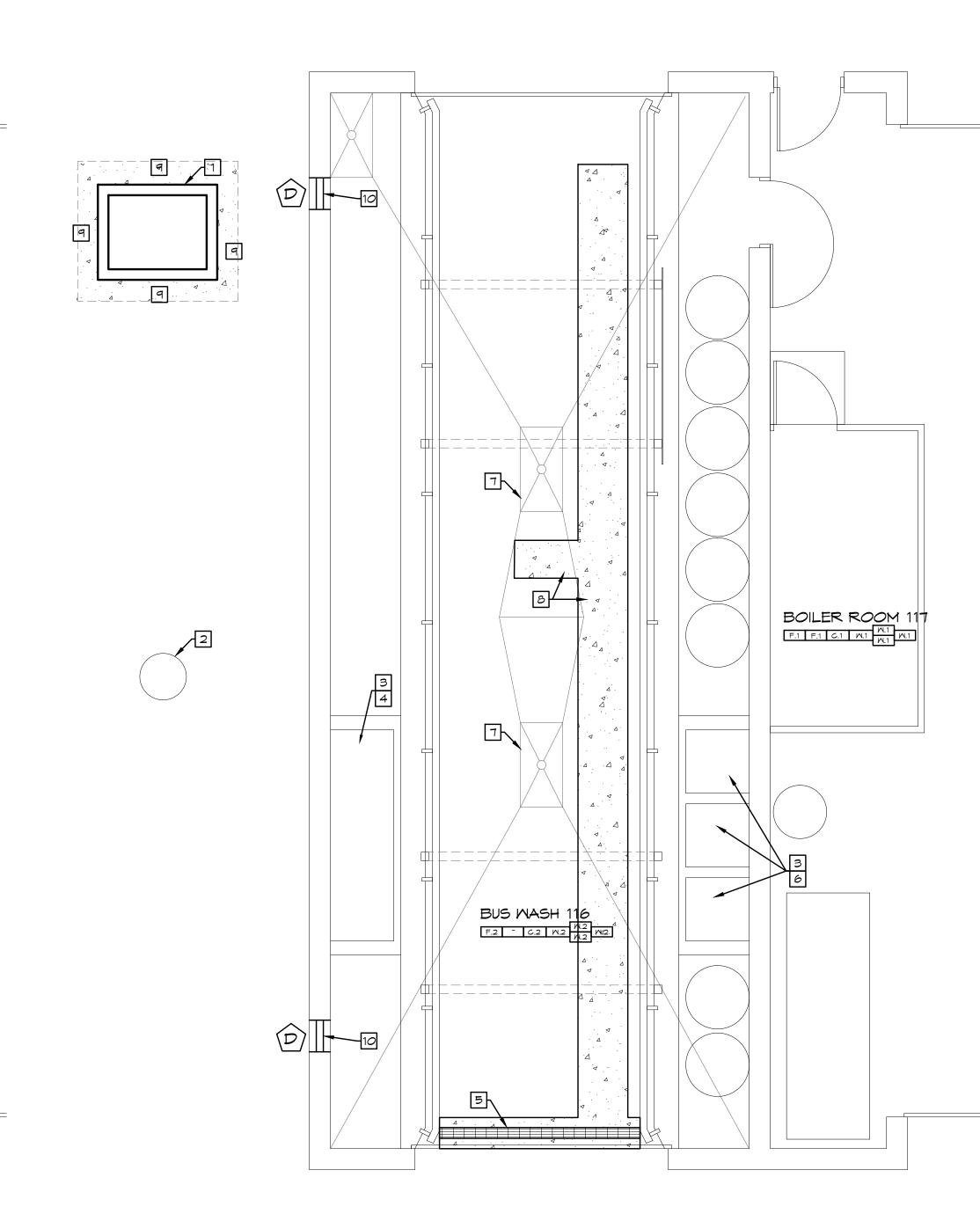


		KEY NOTES: ALL FLOOR PLANS	
	1.	RELOCATE (E) CARD READER, RE: ELECTRICAL DWGS.	
TON	2.	PATCH EXISTING WALLS WHERE WALL REMOVED. SMOOTH TRANSITION OF WALL. NEW FINISH FULL LENGTH OF WALL.	
AS	З.	ALIGN NEW WALL WITH EXISTING WALL. SMOOTH TRANSITION, SAND SMOOTH, FINISH WALL THICKNESS TO MATCH EXISTING.	
	4.	PROVIDE J-MOLD AND CONTINUOUS SEALANT WHERE GYP. BD. MEETS DISSIMILAR MATERIAL (TYP).	
	5.	INSTALL (N) WASH BASIN, RE: PLUMBING.	
	6.	PROVIDE WALL-TO-WALL 3/4" PLYWOOD TO CEILING. PAINT (INCLUDING UNEXPOSED SIDE) WITH WHITE LATEX NON-CONDUCTIVE FIRE-RETARDANT	
15	7.	OVERCOAT. COORDINATE W/ TECHNOLOGY CONSULTANT. TOILET STALL ASSEMBLY COMPLETE.	
N		(E) FLOOR DRAIN TO REMAIN. PROTECT DURING CONSTRUCTION PROCESS.	YON TANNER ARCHITECTURE
	9.	(E) DOOR AND FRAME TO REMAIN, RE: DOOR SCHEDULE	2175 S. JASMINE ST. SUITE 217
	10.	REINSTALL SALVAGED LOCKERS. CLEAN AND ELECTROSTATIC PAINT. RE: DTL. 9/A6.2	DENVER CO 80222 PH: (303) 691-8000
	11.	(N) LADDER, RE: DTL 7 & 8/A6.2	FX: (303) 756-2332
łΤ	12.	RELOCATED (E) REFUELING CONTROLLER EQUIPMENT, RE: ELECTRICAL DWGS.	
	13.	CLOSE, WELD & SEAL COMPLETELY (E) ACCESS HATCH TO PREVENT ALL AIR FLOW.	
	14.	(E) FLOORING TO REMAIN, PROTECT DURING CONSTRUCTION.	ER
	15.	INSTALL NEW FLOOR HATCH ACCESS, RE: DTL. 12 & 13/A6.2. FIELD VERIFY BEST LOCATION AT CONCRETE TEES -CENTER BETWEEN TEES, DO NOT CUT MAIN TEES.	OOLS CENT 80120
	16.	PROVIDE BENCH 17 1/2" HEIGHT, 9 1/2" WIDE, 1 1/2" THICK, LAMINATE CLEAR HARDWOOD W/ SEALER & LACQUERS TO PEDESTAL -TUBULAR STEEL STANDARD SUPPORTS.	RENOVATION FOR: LITTLETON PUBLIC SCHOO NSPORTATION SERVICE C 5565 S. CROCKER ST LITTLETON, COLORADO 80
		FLOOR MOUNTED URINAL SCREEN ASSEMBLY.	ION BLIC SER DCKH
		RELOCATED (E) ELECTRICAL PANEL, RE: ELECTRICAL. 6' HIGH CORNER GUARD, TYP. OF ALL NEW CORNERS, RE SPECS.	ATI PUB ON COI COI
		REINSTALL (E) T.V. AT WITH TOP 4" FROM CEILING. REUSE TV WALL	RENOVATION LETON PUBLIC DRTATION SER 5565 S. CROCK LETON, COLOR
	21	MOUNTED SYSTEM. PROVIDE NEW JANITORIAL SINK, RE: PLUMBING.	REN LITTLETC ANSPORTA 5565 LITTLETC
		. PROVIDE NEW 1" HORIZONTAL MINI-BLINDS SIZED FOR FULL WINDOW.	TTL. TTL.
	23	. PATCH CONCRETE, MATCH EXISTING.	L L
	24	. INFILL WALL WITH (E) SALVAGED SCORED BLOCK FROM NEW EXTERIOR DOOR OPENING @ EXTERIOR SIDE. ALIGN GYP. BD. W/ (E) GYP. @ INTERIOR SIDE. RE: DTL, 5 & 6/A6.2	L
	25	. PROVIDE NEW TRANSITION STRIP, RE: DTL 14/A6.1	OWNERSHIP OF INSTRUMENTS
	26	. REINSTALL (E) TACKBOARD.	OF SERVICE All reports, plans, specifications
		. REINSTALL (E) FEMININE NAPKIN DISPENSER. RE: A1.5. . REINSTALL (E) TOILET SEAT COVER DISPENSER. RE: A1.5.	COMPUTER FILES, FIELD DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY THE DESIGN PROFESSIONAL AS INSTRUMENTS OF SERVICE SHALL
		ADD SMOKE SEAL AND FLOOR SEAL (THRESHOLD TO THIS DOOR TO	REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL THE DESIGN PROFESSIONAL SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THERETO.
	30	KEEP DUST OUT OF ROOM). . REINSTALL LOCKERS @ NEW LOCATION, OWNED BY UNIFORM COMPANY-	
	31.	DO NOT PAINT. REINSTALL SALVAGED LOCKERS @ NEW LOCATION. CLEAN AND	
	32	ELECTROSTATIC PAINT. . PROVIDE FRP @ MOP SINK. INSTALL ABOVE SINK 48" HIGH.	
	33	. (E) BASE BOARD HEAT TO REMAIN, PROTECT DURING CONSTRUCTION. RE: MECHANICAL DWGS.	
	34	. REINSTALL (E) GRAB BARS, RE: A1.5.	
		. REINSTALL (E) BASEBOARD HEAT. RE: MECHANICAL DWGS. . PROVIDE NEW DIVIDER STRIP. RE: DTL 12/A6.3 SIM.	
		PROVIDE (N) CARD READER. RE: ELECTRICAL.	
	38	. (N) MECHANICAL DUCT. RE: MECHANICAL.	DATE: NOV 14, 2014 PROJECT NO: 14101B
		. (N) FLOOR DRAIN, RE: PLUMBING. . PROVIDE (N) EYE WASH AND (N) EMERGENCY SHOWER. RE: PLUMBING.	ISSUE:
	40		
			DOCUMENTS
			DRAWN: KS-LZ
			CHECKED: RET
			FILE NAME: A1.2_ENLPL
			DWG NAME:
			ENLARGED SECOND
			FLOOR PLAN
			SHEET NO:

A1.2

A5





2 ENLARGED UPGRADED BUS WASH PLAN

## DEMO NOTES: AT BUS WASH PLANS ONLY

REMOVE EXISTING SAND OIL INTERCEPTOR, FOR ADDITIONAL INFORMATION RE: PLUMBING DRAWINGS.

- 2. EXISTING MANHOLE TO REMAIN, PROTECT DURING CONSTRUCTION PROCESS, RE: PLUMBING.
- 3. ABANDON EXISTING WATER HOLDING TANK, FOR ADDITIONAL INFORMATION RE: PLUMBING DWGS.
- 4. EXISTING CATCH BASIN TO REMAIN, PROTECT DURING CONSTRUCTION PROCESS.
- 5. ABANDON RECLAIM PITS, FOR ADDITIONAL INFORMATION RE: PLUMBING DRAWINGS.
- 6. SAW CUT AND REMOVE (E) CONCRETE AS REQUIRED, CLEAN AND PREPARE FOR INSTALLATION OF NEW PIPING. RE: PLUMBING DWGS.
- 7. DEMO EXISTING CONCRETE TO INSTALL TRENCH DRAIN, RE: PLUMBING DRAWINGS.
- 8. SAW CUT AND REMOVE CAREFULLY (E) MASONRY WALL (SALVAGE REMOVED SCORED MASONRY TO BE REUSE) AS REQUIRED TO RECEIVE (N) MECHANICAL LOUVERS. RE: MECHANICAL & ELECTRICAL. VERIFY IN FIELD BEST LOCATION.

### KEY NOTES: AT BUS WASH PLANS ONLY

- 1. INSTALL NEW SAND OIL INTERCEPTOR 2000 GALLONS CAPACITY, RE: PLUMBING DWGS.
- 2. EXISTING MANHOLE TO REMAIN, PROTECT DURING CONSTRUCTION PROCESS. RE: PLUMB DWGS.
- 3. CAP EXISTING PIPES PER PLUMBING. RE: PLUMBING DWGS.
- 4. FILL HOLDING TANK WITH SAND & SEAL OPENING WITH CONCRETE LEVEL. CONCRETE LEVEL 4" MIN. FLUSH WITH EXISTING FLOOR. RE: PLUMBING DWGS.
- 5. INSTALL NEW TRENCH PER MECHANICAL. RE: PLUMBING DWGS. PATCH CONCRETE FLOOR AS REQ'D AFTER TRENCH INSTALLATION.
- 6. FILL RECLAIM PITS WITH SAND & SEAL OPENINGS WITH CONCRETE LEVEL. 4" CONCRETE FLOOR CONCRETE FLUSH WITH EXISTING FLOOR. RE: PLUMB. DWGS.
- 7. EXISTING CATCH BASIN TO REMAIN, PROTECT DURING CONSTRUCTION PROCESS.
- 8. PATCH CONCRETE AS REQUIRED FOR INSTALLATION OF NEW LINE. MATCH DEEP OF EXISTING CONCRETE -6" MIN @ ALL DRIVE ISLES.
- 9. PATCH CONCRETE AND PATCH ASPHALT MATCH EXISTING DEPTHS, -6" MIN. DEPTH.
- 10. NEW LOUVER WITH MOTORIZED CONTROL DAMPER. RE: DTL11/A6.3 AND MECHANICAL DWGS.

## FINISH SCHEDULE

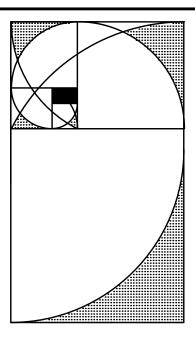
### ROOM NAME, ROOM NUMBER

FLOOR BASE CEILING WEST WALL EAST WALL

- F.1 (E) FLOORING TO REMAIN PROTECT DURING CONSTRUCTION F.2 (E) FLOORING TO REMAIN - PATCH TO MATCH EXISTING AS REQUIRED FOR NEW CONSTRUCTION
- F.3 CARPET
- F.4 VCT F.5 SLIP RESISTANT SEAMLESS RESIN FLOORING
- B.1 (E) BASE TO REMAIN PROTECT DURING CONSTRUCTION B.2 (E) BASE TO REMAIN - PATCH TO MATCH EXISTING AS
- REQUIRED BY NEW CONSTRUCTION
- B.3 4" RUBBER BASE B.4 WALL TILE BASE
- B.5 6" SEAMLESS BASE, RE: DTL 7/A6.3 OR 8/A6.3, RE PLANS
- C.1 (E) CEILING TO REMAIN PROTECT DURING CONSTRUCTION C.2 (E) CEILING TO REMAIN - PATCH CEILING ASSEMBLY AS
- REQUIRED BY NEW CONSTRUCTION C.3 2'X4' SUSPENDED ACOUSTICAL CEILING TILE & GRID C.4 GYPSUM BOARD CEILING ASSEMBLY- PAINT
- W.1 (E) WALL TO REMAIN PROTECT DURING CONSTRUCTION
- W.2 (E) WALL TO REMAIN PATCH AS REQUIRED BY NEW
- CONSTRUCTION PAINT FULL WALL. W.3 GYPSUM BOARD - PAINT
- W.4 (E) CMU PAINT
- W.5 (E) CMU TILE FULL HEIGHT
- W.6 MOISTURE RESISTANT GYPSUM BOARD TILE FULL HEIGHT
- W.7 MOISTURE RESISTANT GYPSUM BOARD EPOXY PAINT W.8 HIGH IMPACT TYPE 'X' GYPSUM BOARD - PAINT

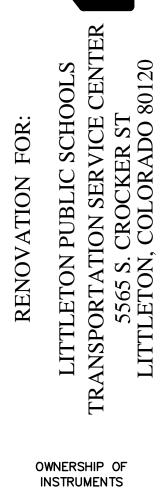
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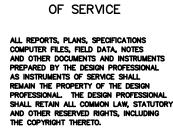
RED ARROW MFGR FOR NEW BUS WASH SYSTEM TO CONTACT DIRECTLY W/CMGC.



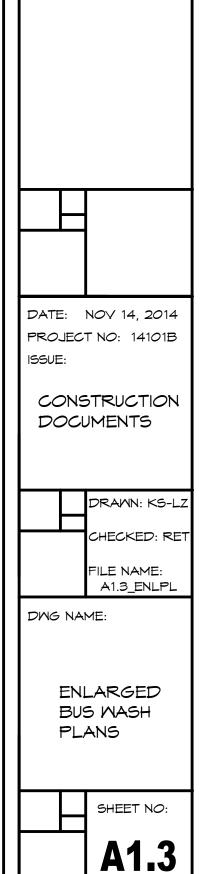
YON TANNER ARCHITECTURE 2175 S. JASMINE ST. SUITE 217 DENVER CO 80222 PH: (303) 691-8000 FX: (303) 756-2332

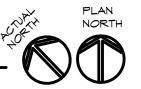


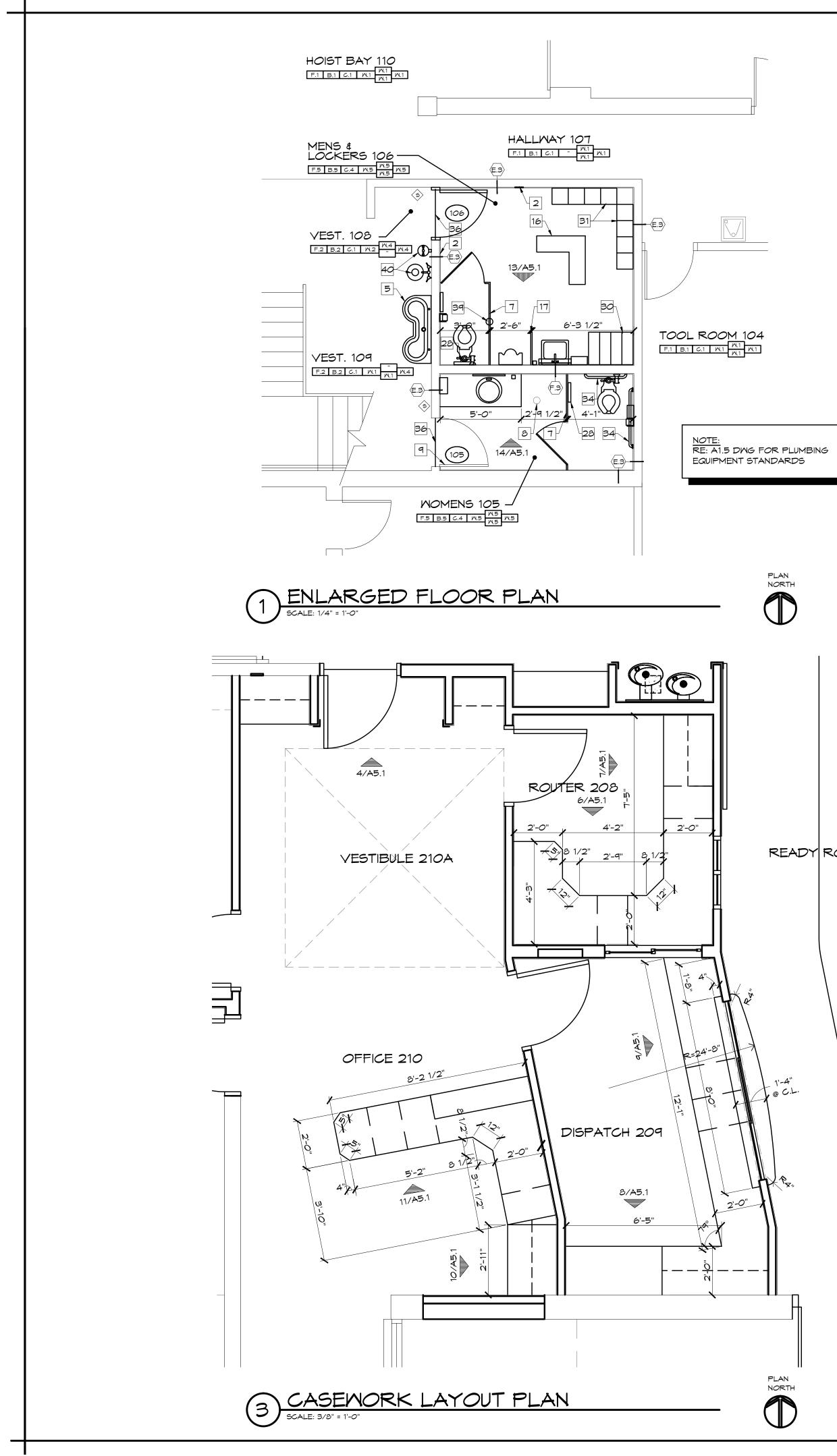


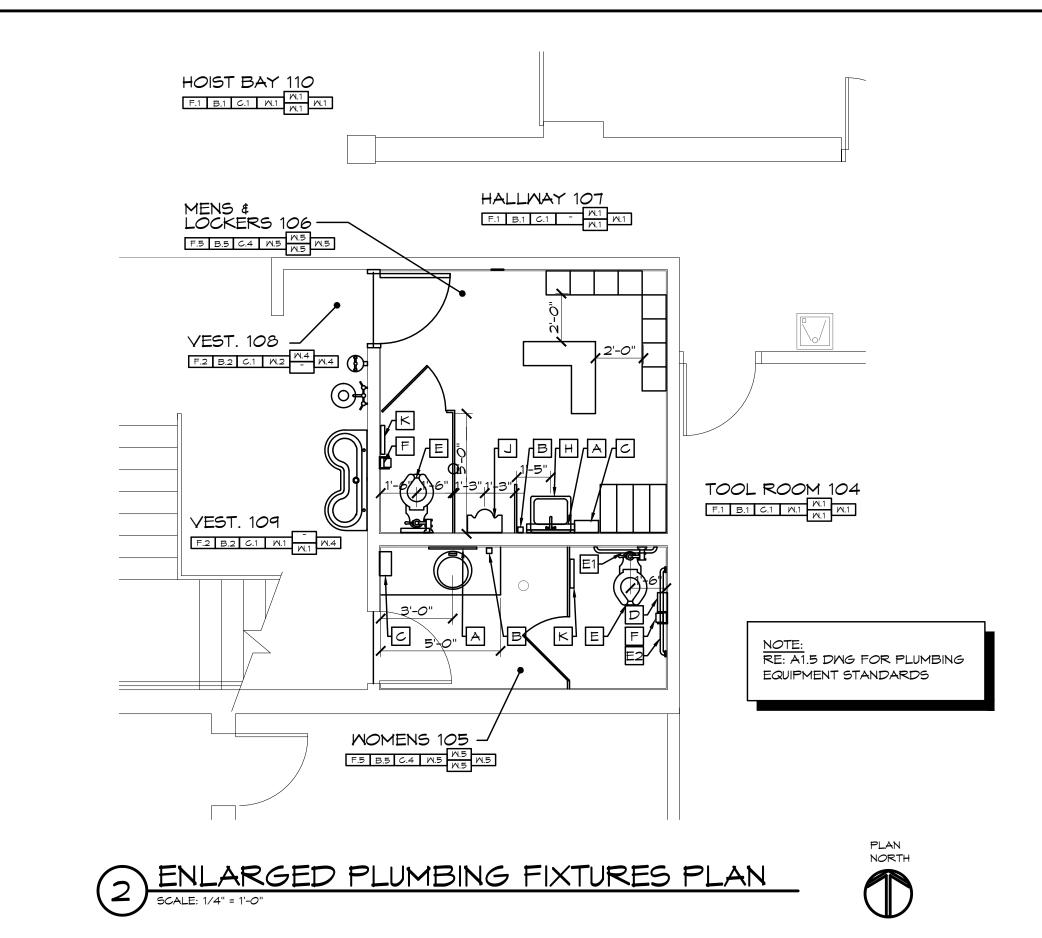














## FINISH SCHEDULE

### ROOM NAME, ROOM NUMBER FLOOR BASE CEILING WEST WALL EAST SOUTH WALL

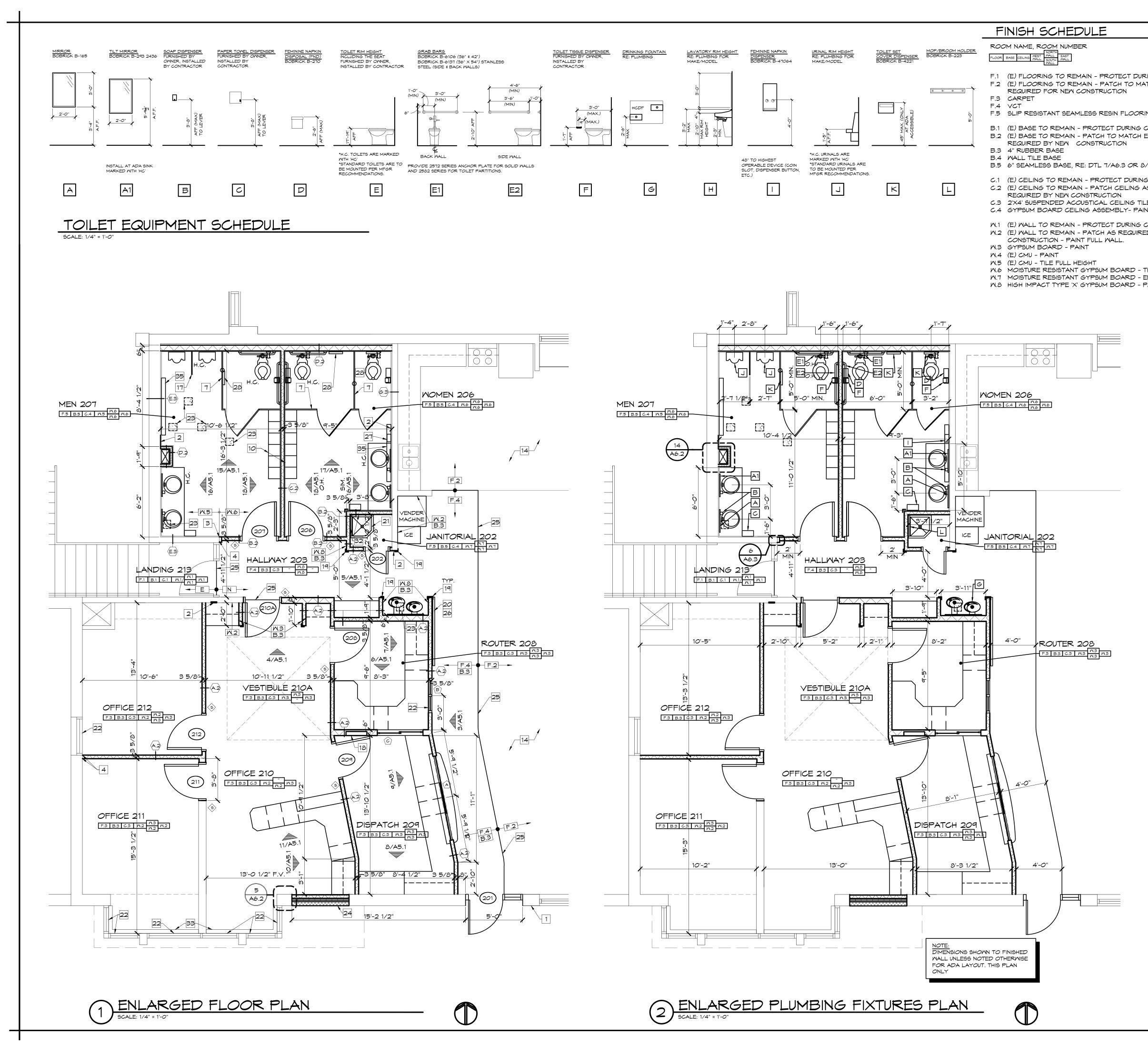
- F.1 (E) FLOORING TO REMAIN PROTECT DURING CONSTRUCTION F.2 (E) FLOORING TO REMAIN - PATCH TO MATCH EXISTING AS
- REQUIRED FOR NEW CONSTRUCTION
- F.3 CARPET
- F.4 VCT F.5 SLIP RESISTANT SEAMLESS RESIN FLOORING
- B.1 (E) BASE TO REMAIN PROTECT DURING CONSTRUCTION B.2 (E) BASE TO REMAIN - PATCH TO MATCH EXISTING AS REQUIRED BY NEW CONSTRUCTION
- B.3 4" RUBBER BASE B.4 WALL TILE BASE
- B.5 6" SEAMLESS BASE, RE: DTL 7/A6.3 OR 8/A6.3, RE PLANS C.1 (E) CEILING TO REMAIN - PROTECT DURING CONSTRUCTION
- C.2 (E) CEILING TO REMAIN PATCH CEILING ASSEMBLY AS REQUIRED BY NEW CONSTRUCTION C.3 2'X4' SUSPENDED ACOUSTICAL CEILING TILE & GRID
- C.4 GYPSUM BOARD CEILING ASSEMBLY- PAINT
- W.1 (E) WALL TO REMAIN PROTECT DURING CONSTRUCTION W.2 (E) WALL TO REMAIN - PATCH AS REQUIRED BY NEW CONSTRUCTION - PAINT FULL WALL.
- W.3 GYPSUM BOARD PAINT W.4 (E) CMU - PAINT
- W.5 (E) CMU TILE FULL HEIGHT
- W.6 MOISTURE RESISTANT GYPSUM BOARD TILE FULL HEIGHT W.7 MOISTURE RESISTANT GYPSUM BOARD - EPOXY PAINT
- W.8 HIGH IMPACT TYPE 'X' GYPSUM BOARD PAINT

	KEY NOTES: ALL FLOOR PLANS	
1.	RELOCATE (E) CARD READER, RE: ELECTRICAL DWGS.	
2.	PATCH EXISTING WALLS WHERE WALL REMOVED. SMOOTH TRANSITION OF WALL. NEW FINISH FULL LENGTH OF WALL.	
З.	ALIGN NEW WALL WITH EXISTING WALL. SMOOTH TRANSITION, SAND SMOOTH, FINISH WALL THICKNESS TO MATCH EXISTING.	
4.	PROVIDE J-MOLD AND CONTINUOUS SEALANT WHERE GYP. BD. MEETS DISSIMILAR MATERIAL (TYP).	
5.	INSTALL (N) WASH BASIN, RE: PLUMBING.	
6.	PROVIDE WALL-TO-WALL 3/4" PLYWOOD TO CEILING. PAINT (INCLUDING UNEXPOSED SIDE) WITH WHITE LATEX NON-CONDUCTIVE FIRE-RETARDANT OVERCOAT. COORDINATE W/ TECHNOLOGY CONSULTANT.	
٦.	TOILET STALL ASSEMBLY COMPLETE.	YON
8.	(E) FLOOR DRAIN TO REMAIN. PROTECT DURING CONSTRUCTION PROCESS.	ARC 2175 S.
	(E) DOOR AND FRAME TO REMAIN, RE: DOOR SCHEDULE REINSTALL SALVAGED LOCKERS. CLEAN AND ELECTROSTATIC PAINT. RE: DTL. 9/A6.2	SUITE 2 DENVE PH: (303
11.	(N) LADDER, RE: DTL 7 & 8/A6.2	FX: (303
12.	RELOCATED (E) REFUELING CONTROLLER EQUIPMENT, RE: ELECTRICAL DWGS.	
13.	CLOSE, WELD & SEAL COMPLETELY (E) ACCESS HATCH TO PREVENT ALL AIR FLOW.	
14.	(E) FLOORING TO REMAIN, PROTECT DURING CONSTRUCTION.	
15.	INSTALL NEW FLOOR HATCH ACCESS, RE: DTL. 12 & 13/A6.2. FIELD VERIFY BEST LOCATION AT CONCRETE TEES -CENTER BETWEEN TEES, DO NOT CUT MAIN TEES.	
16.	PROVIDE BENCH 17 1/2" HEIGHT, 9 1/2" WIDE, 1 1/2" THICK, LAMINATE CLEAR HARDWOOD W/ SEALER & LACQUERS TO PEDESTAL -TUBULAR STEEL STANDARD SUPPORTS.	RENOVATION FOR:
17.	FLOOR MOUNTED URINAL SCREEN ASSEMBLY.	NC
	RELOCATED (E) ELECTRICAL PANEL, RE: ELECTRICAL.	ATIC
	6' HIGH CORNER GUARD, TYP. OF ALL NEW CORNERS, RE SPECS.	
20	. REINSTALL (E) T.V. AT WITH TOP 4" FROM CEILING. REUSE TV WALL MOUNTED SYSTEM.	EN
	PROVIDE NEW JANITORIAL SINK. RE: PLUMBING.	
	. PROVIDE NEW 1" HORIZONTAL MINI-BLINDS SIZED FOR FULL MINDOW. . PATCH CONCRETE, MATCH EXISTING.	
	. INFILL WALL WITH (E) SALVAGED SCORED BLOCK FROM NEW EXTERIOR DOOR OPENING @ EXTERIOR SIDE. ALIGN GYP. BD. W/ (E) GYP. @ INTERIOR SIDE. RE: DTL. 5 & 6/A6.2	
25	PROVIDE NEW TRANSITION STRIP, RE: DTL 14/A6.1	OW INS
26	. REINSTALL (E) TACKBOARD.	0
27.	REINSTALL (E) FEMININE NAPKIN DISPENSER. RE: A1.5.	ALL REPORTS COMPUTER FIL AND OTHER D PREPARED BY
	. REINSTALL (E) TOILET SEAT COVER DISPENSER. RE: A1.5.	AS INSTRUME REMAIN THE I PROFESSIONAL SHALL RETAIN
29.	ADD SMOKE SEAL AND FLOOR SEAL (THRESHOLD TO THIS DOOR TO KEEP DUST OUT OF ROOM).	AND OTHER R THE COPYRIG
	. REINSTALL LOCKERS @ NEW LOCATION, OWNED BY UNIFORM COMPANY- DO NOT PAINT. REINSTALL SALVAGED LOCKERS @ NEW LOCATION. CLEAN AND	
	ELECTROSTATIC PAINT.	
	(E) BASE BOARD HEAT TO REMAIN, PROTECT DURING CONSTRUCTION. RE:	
	MECHANICAL DWGS. REINSTALL (E) GRAB BARS, RE: A1.5.	
	REINSTALL (L) BASEBOARD HEAT. RE: MECHANICAL DWGS.	-
36	PROVIDE NEW DIVIDER STRIP. RE: DTL 12/A6.3 SIM.	
37.	PROVIDE (N) CARD READER. RE: ELECTRICAL.	
38	(N) MECHANICAL DUCT. RE: MECHANICAL.	DATE: PROJ
	(N) FLOOR DRAIN, RE: PLUMBING.	ISSUE:
40	. PROVIDE (N) EYE WASH AND (N) EMERGENCY SHOWER. RE: PLUMBING.	
		t
		DWG 1
		E E
		f f
		╽┝─┸

N TANNER CHITECTURE S. JASMINE ST. E 217 /ER CO 80222 803) 691-8000 803) 756-2332 LITTLETON PUBLIC SCHOOLS RANSPORTATION SERVICE CENTER 5565 S. CROCKER ST LITTLETON, COLORADO 80120 TR WNERSHIP OF NSTRUMENTS OF SERVICE DRTS, PLANS, SPECIFICATIONS R FILES, FIELD DATA, NOTES ER DOCUMENTS AND INSTRUMENTS D BY THE DESIGN PROFESSIONAL RUMENTS OF SERVICE SHALL THE PROPERTY OF THE DESIGN IONAL. THE DESIGN PROFESSIONAL ETAIN ALL COMMON LAW, STATUTORY ER RESERVED RIGHTS, INCLUDING VRIGHT THERETO. E: NOV 14, 2014 JECT NO: 14101B ONSTRUCTION OCUMENTS DRAWN: KS-LZ CHECKED: RET FILE NAME: A1.4_ENLPL NAME: ENLARGED PLANS

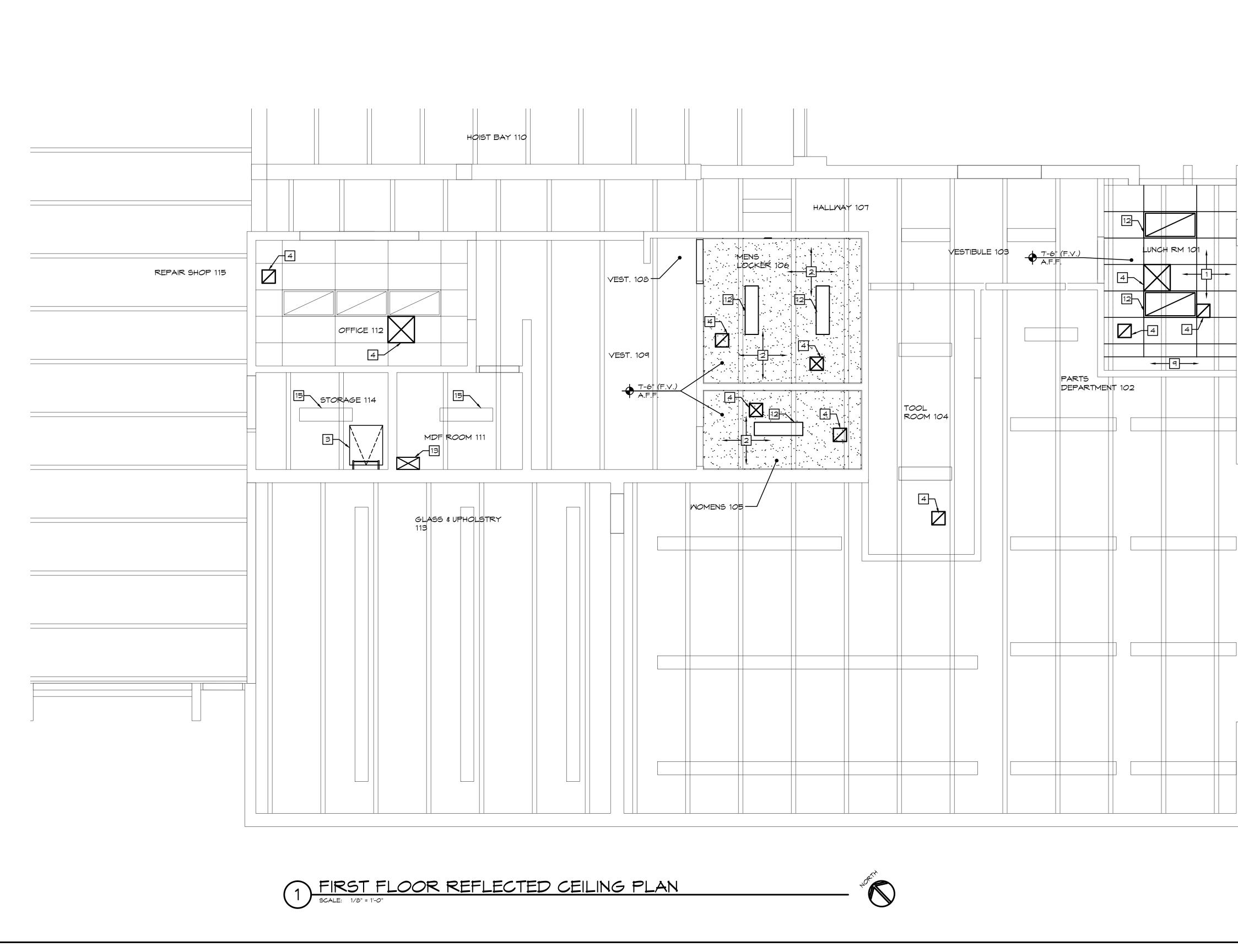
SHEET NO:

A1.4



	KEY NOTES: ALL FLOOR PLANS	
	1. RELOCATE (E) CARD READER, RE: ELECTRICAL DWGS.	
RING CONSTRUCTION	2. PATCH EXISTING WALLS WHERE WALL REMOVED. SMOOTH TRANSITION OF WALL. NEW FINISH FULL LENGTH OF WALL.	
ATCH EXISTING AS	3. ALIGN NEM WALL WITH EXISTING WALL. SMOOTH TRANSITION, SAND SMOOTH, FINISH WALL THICKNESS TO MATCH EXISTING.	
RING	<ol> <li>PROVIDE J-MOLD AND CONTINUOUS SEALANT WHERE GYP. BD. MEETS DISSIMILAR MATERIAL (TYP).</li> </ol>	
CONSTRUCTION	5. INSTALL (N) WASH BASIN, RE: PLUMBING.	
EXISTING AS	6. PROVIDE WALL-TO-WALL 3/4" PLYWOOD TO CEILING. PAINT (INCLUDING UNEXPOSED SIDE) WITH WHITE LATEX NON-CONDUCTIVE FIRE-RETARDANT	
0/A6.3, RE PLANS	OVERCOAT. COORDINATE W/ TECHNOLOGY CONSULTANT.	
G CONSTRUCTION ASSEMBLY AS		YON TANNER
LE & GRID	8. (E) FLOOR DRAIN TO REMAIN. PROTECT DURING CONSTRUCTION PROCESS.	ARCHITECTURE
	9. (E) DOOR AND FRAME TO REMAIN, RE: DOOR SCHEDULE.	2175 S. JASMINE ST. SUITE 217
CONSTRUCTION D BY NEW	10. REINSTALL SALVAGED LOCKERS. CLEAN AND ELECTROSTATIC PAINT. RE: DTL. 9/A6.2	DENVER CO 80222 PH: (303) 691-8000
	11. (N) LADDER, RE: DTL 7 & 8/A6.2	FX: (303) 756-2332
ILE FULL HEIGHT POXY PAINT	12. RELOCATED (E) REFUELING CONTROLLER EQUIPMENT, RE: ELECTRICAL DWGS.	
PAINT	13. CLOSE, WELD & SEAL COMPLETELY (E) ACCESS HATCH TO PREVENT ALL AIR FLOW.	
	14. (E) FLOORING TO REMAIN, PROTECT DURING CONSTRUCTION.	$\sim$
	<ol> <li>INSTALL NEW FLOOR HATCH ACCESS, RE: DTL. 12 &amp; 13/A6.2. FIELD VERIFY BEST LOCATION AT CONCRETE TEES -CENTER BETWEEN TEES, DO NOT CUT MAIN TEES.</li> </ol>	S N 20
	16. PROVIDE BENCH 17 1/2" HEIGHT, 9 1/2" WIDE, 1 1/2" THICK, LAMINATE CLEAR HARDWOOD W/ SEALER & LACQUERS TO PEDESTAL -TUBULAR	ST HC ST O
	STEEL STANDARD SUPPORTS. 17. FLOOR MOUNTED URINAL SCREEN ASSEMBLY.	
	18. RELOCATED (E) ELECTRICAL PANEL, RE: ELECTRICAL.	
	19. 6' HIGH CORNER GUARD, TYP. OF ALL NEW CORNERS, RE SPECS.	VATI PUB TON CRC CCC
	20. REINSTALL (E) T.V. AT WITH TOP 4" FROM CEILING. REUSE TV WALL MOUNTED SYSTEM.	VOV ON S S. ON,
	21. PROVIDE NEW JANITORIAL SINK. RE: PLUMBING.	RENC LITTLETO IRANSPORTA 5565 S LITTLETO
	22. PROVIDE NEW 1" HORIZONTAL MINI-BLINDS SIZED FOR FULL WINDOW.	ITTI
	23. PATCH CONCRETE, MATCH EXISTING.	LI
	24. INFILL WALL WITH (E) SALVAGED SCORED BLOCK FROM NEW EXTERIOR DOOR OPENING @ EXTERIOR SIDE. ALIGN GYP. BD. W/ (E) GYP. @ INTERIOR SIDE. RE: DTL. 5 & 6/A6.2	Ē
	25. PROVIDE NEW TRANSITION STRIP, RE: DTL 14/A6.1	OWNERSHIP OF INSTRUMENTS
	26. REINSTALL (E) TACKBOARD.	OF SERVICE
	27. REINSTALL (E) FEMININE NAPKIN DISPENSER. RE: A1.5. 28. REINSTALL (E) TOILET SEAT COVER DISPENSER. RE: A1.5.	ALL REPORTS, PLANS, SPECIFICATIONS COMPUTER FILES, FIELD DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY THE DESIGN PROFESSIONAL
	29. ADD SMOKE SEAL AND FLOOR SEAL (THRESHOLD TO THIS DOOR TO KEEP DUST OUT OF ROOM).	AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL THE DESIGN PROFESSIONAL SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THERETO.
	30. REINSTALL LOCKERS @ NEW LOCATION, OWNED BY UNIFORM COMPANY- DO NOT PAINT.	
	31. REINSTALL SALVAGED LOCKERS @ NEW LOCATION. CLEAN AND ELECTROSTATIC PAINT.	
	32. PROVIDE FRP @ MOP SINK. INSTALL ABOVE SINK 48" HIGH.	
	33. (E) BASE BOARD HEAT TO REMAIN, PROTECT DURING CONSTRUCTION. RE: MECHANICAL DWGS.	
	34. REINSTALL (E) GRAB BARS, RE: A1.5.	
	35. REINSTALL (E) BASEBOARD HEAT. RE: MECHANICAL DWGS.	
	36. PROVIDE NEW DIVIDER STRIP. RE: DTL 12/A6.3 SIM.	
	37. PROVIDE (N) CARD READER. RE: ELECTRICAL. 38. (N) MECHANICAL DUCT. RE: MECHANICAL.	╎┝───└───┤
	39. (N) FLOOR DRAIN, RE: PLUMBING.	DATE: NOV 14, 2014 PROJECT NO: 14101B
	40. PROVIDE (N) EYE WASH AND (N) EMERGENCY SHOWER. RE: PLUMBING.	ISSUE:
		DOCUMENTS
		DRAMN: KS-LZ
		FILE NAME: A1.5_ENLPL
		DMG NAME:
		ENLARGED
		2ND FLOOR PLANS
		SHEET NO:

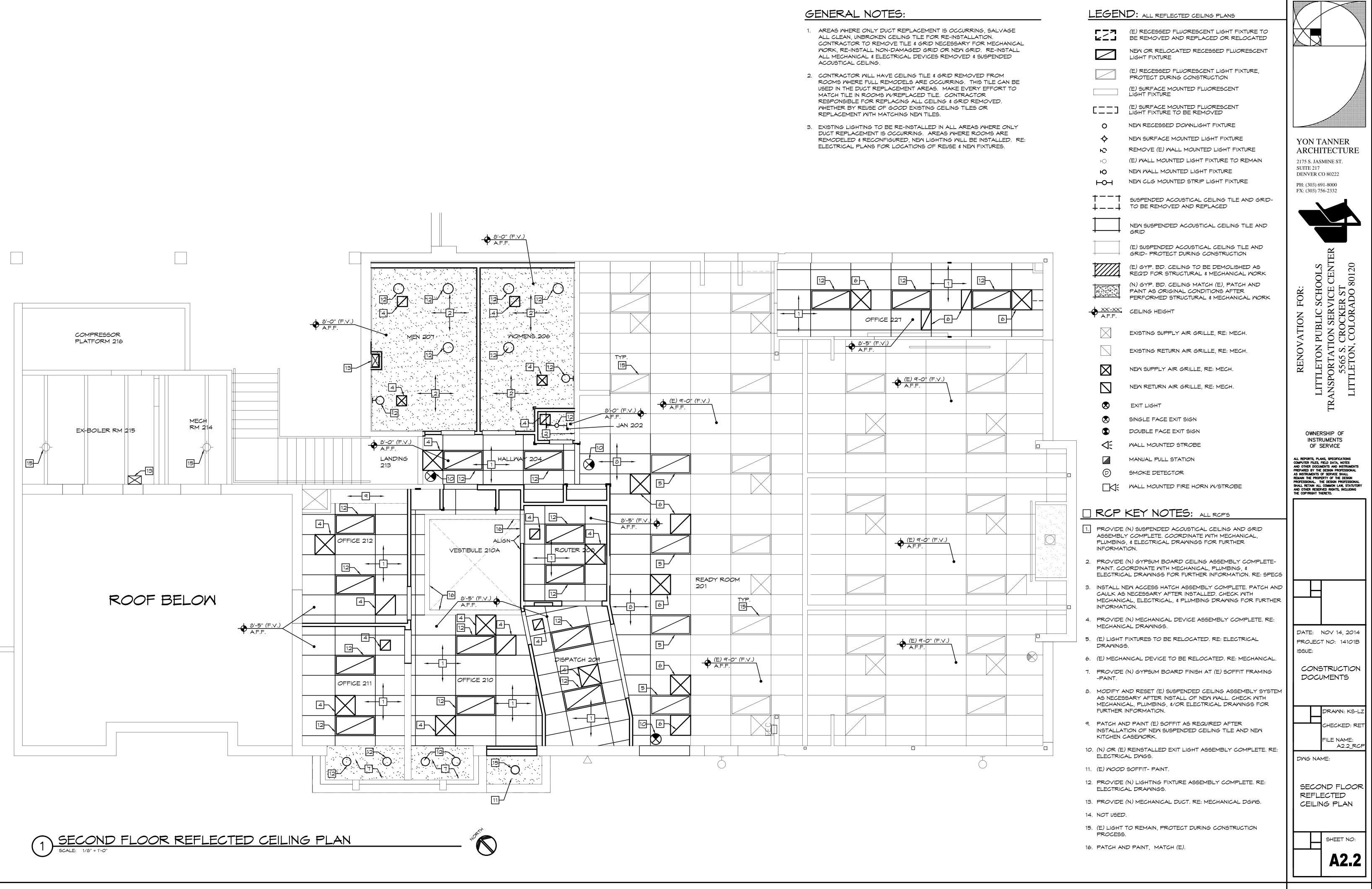
A1.5

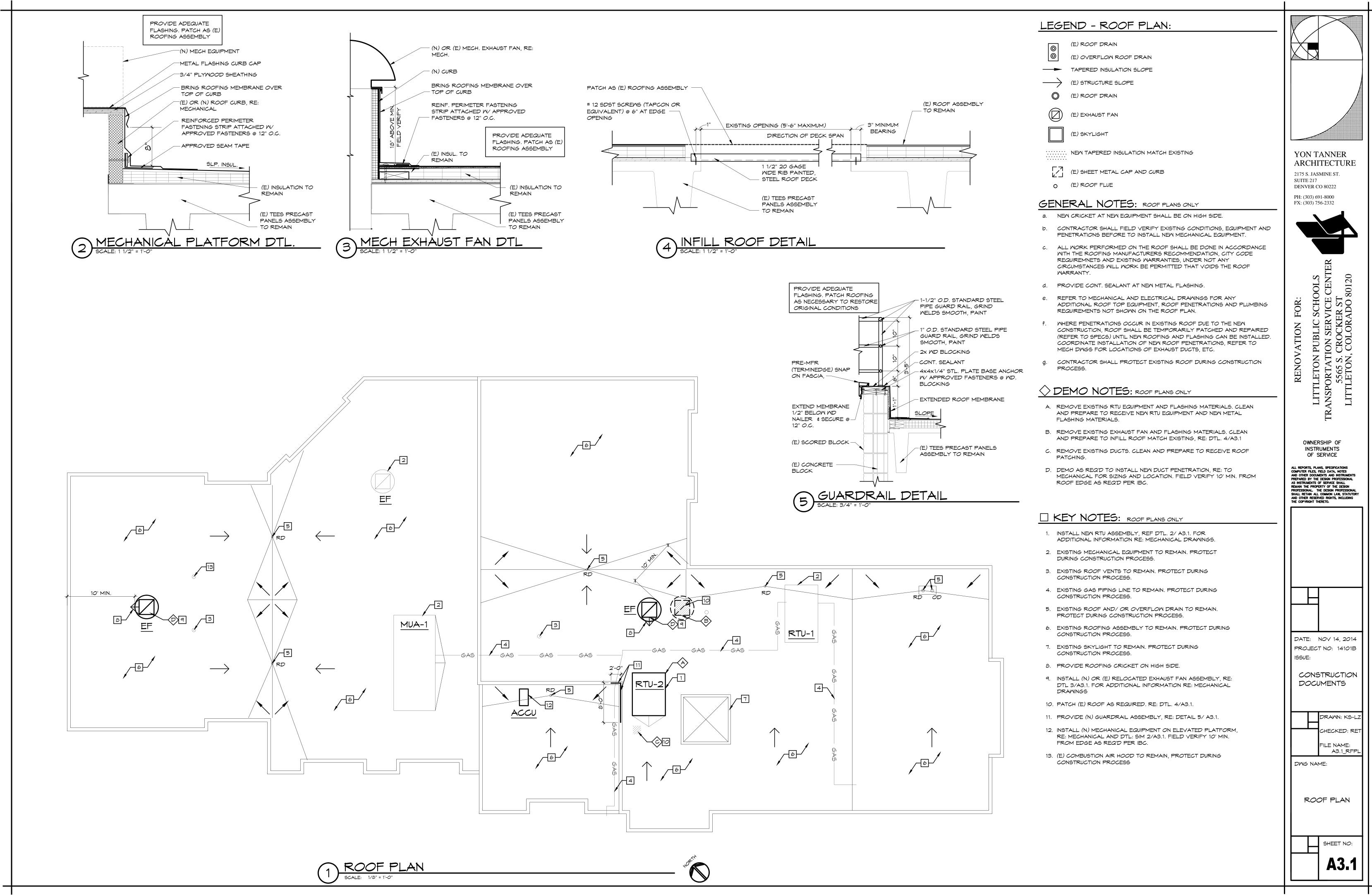


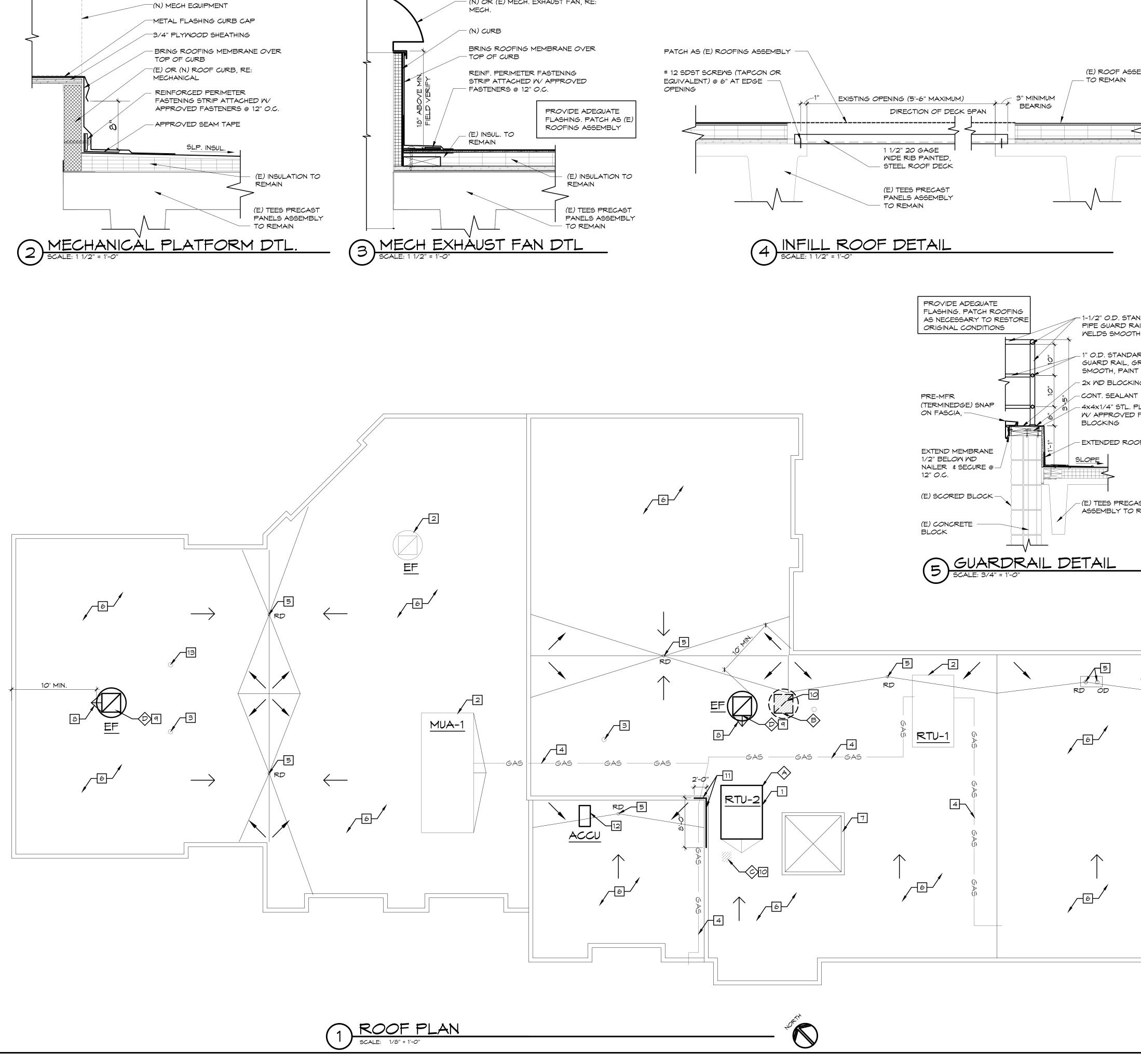
## GENERAL NOTES:

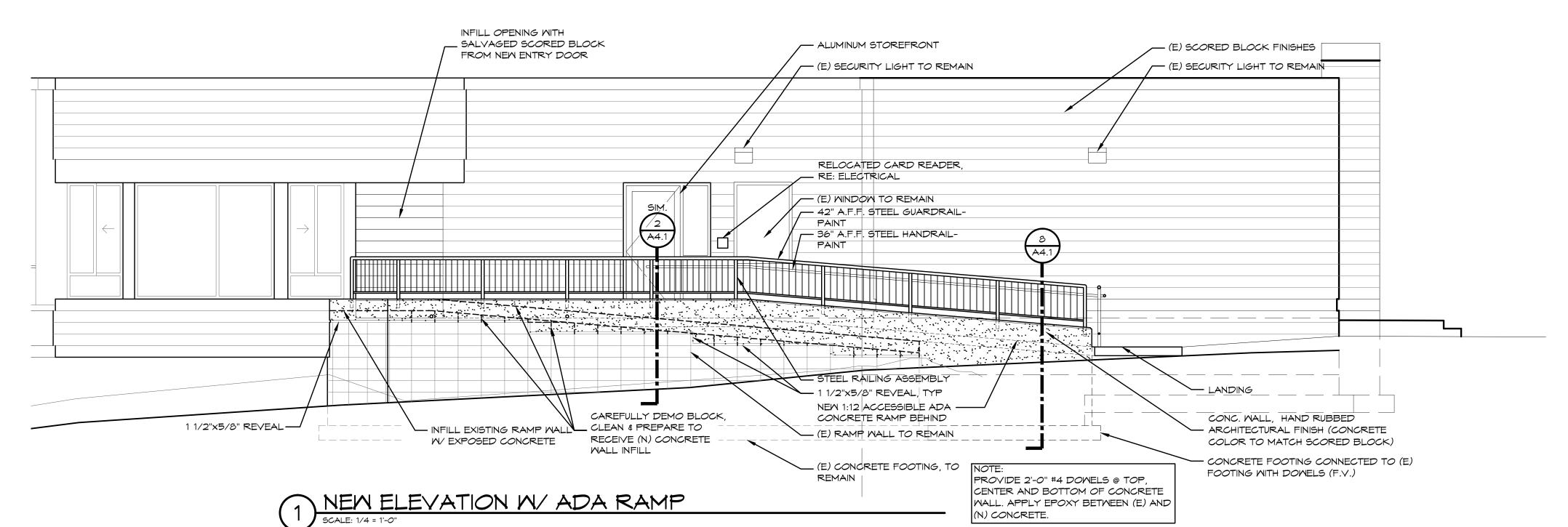
- 1. AREAS WHERE ONLY DUCT REPLACEMENT IS OCCURRING, SAL ALL CLEAN, UNBROKEN CEILING TILE FOR RE-INSTALLATION. CONTRACTOR TO REMOVE TILE & GRID NECESSARY FOR MED WORK, RE-INSTALL NON-DAMAGED GRID OR NEW GRID. RE-I ALL MECHANICAL & ELECTRICAL DEVICES REMOVED & SUSPEN ACOUSTICAL CEILING.
- 2. CONTRACTOR WILL HAVE CEILING TILE & GRID REMOVED FRO ROOMS WHERE FULL REMODELS ARE OCCURRING. THIS TILE USED IN THE DUCT REPLACEMENT AREAS. MAKE EVERY EFFC MATCH TILE IN ROOMS W/REPLACED TILE. CONTRACTOR RESPONSIBLE FOR REPLACING ALL CEILING & GRID REMOVEI WHETHER BY REUSE OF GOOD EXISTING CEILING TILES OR REPLACEMENT WITH MATCHING NEW TILES.
- 3. EXISTING LIGHTING TO BE RE-INSTALLED IN ALL AREAS WHERE DUCT REPLACEMENT IS OCCURRING. AREAS WHERE ROOMS . REMODELED & RECONFIGURED, NEW LIGHTING WILL BE INSTAL ELECTRICAL PLANS FOR LOCATIONS OF REUSE & NEW FIXTURE

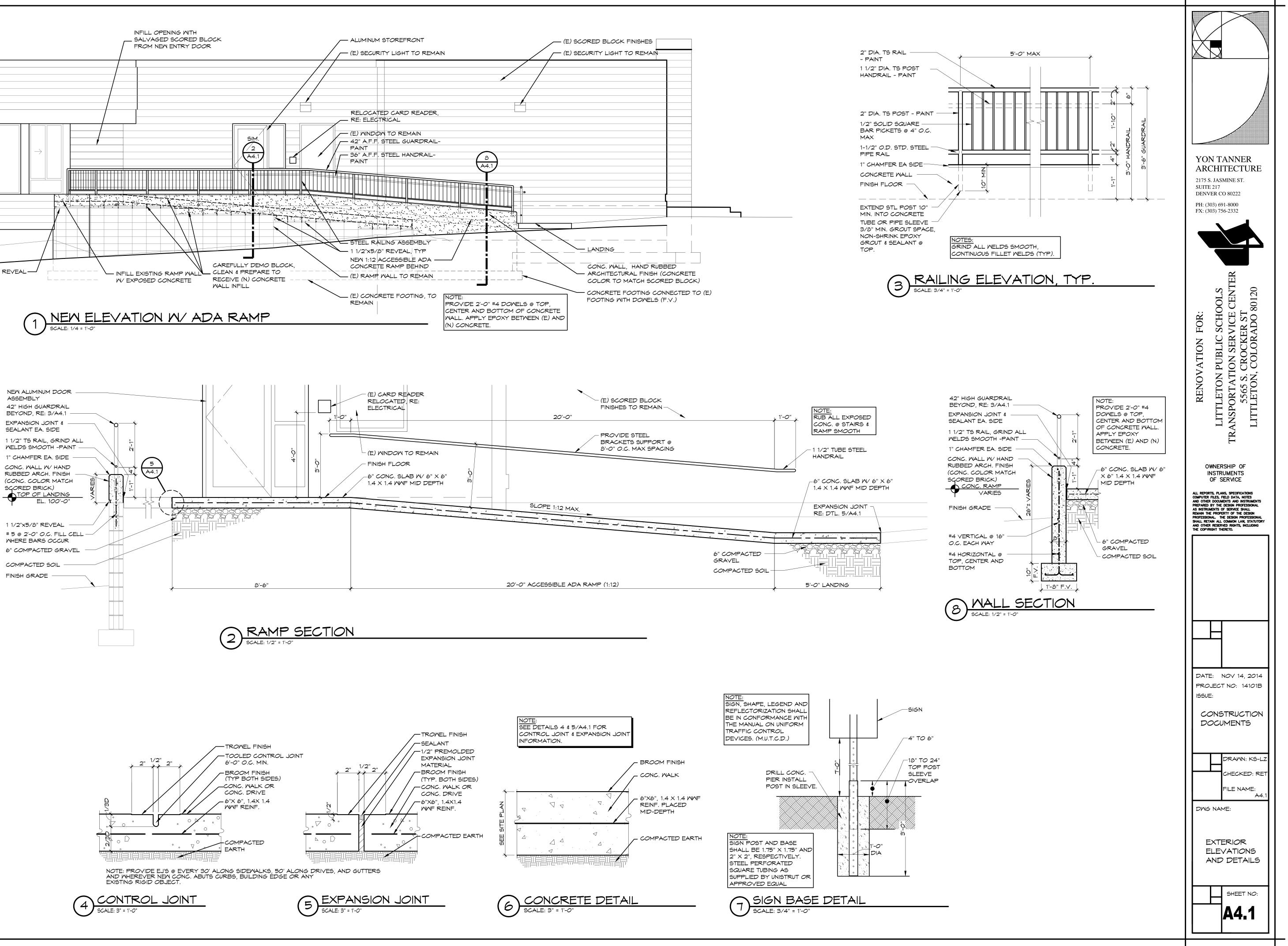
	LEGEND: ALL REFLECTED CEILING PLANS	
	(E) RECESSED FLUORESCENT LIGHT FIXTURE TO BE REMOVED AND REPLACED OR RELOCATED	
CHANICAL -INSTALL :NDED	NEW OR RELOCATED RECESSED FLUORESCENT	
OM	(E) RECESSED FLUORESCENT LIGHT FIXTURE, PROTECT DURING CONSTRUCTION	
CAN BE ORT TO	(E) SURFACE MOUNTED FLUORESCENT	
ED.	Г — — – (E) SURFACE MOUNTED FLUORESCENT	
RE ONLY	<ul> <li>L _ J LIGHT FIXTURE TO BE REMOVED</li> <li>NEW RECESSED DOWNLIGHT FIXTURE</li> </ul>	
ARE LLED. RE:	• NEW SURFACE MOUNTED LIGHT FIXTURE	YON TANNER
RES.	<ul> <li>REMOVE (E) WALL MOUNTED LIGHT FIXTURE</li> <li>(E) WALL MOUNTED LIGHT FIXTURE TO REMAIN</li> </ul>	ARCHITECTURE
	<ul> <li>NEW WALL MOUNTED LIGHT FIXTURE</li> </ul>	2175 S. JASMINE ST. SUITE 217 DENVER CO 80222
	HOH NEW CLG MOUNTED STRIP LIGHT FIXTURE	PH: (303) 691-8000 FX: (303) 756-2332
	$\uparrow$ $ \uparrow$ suspended acoustical ceiling tile and grid- $\downarrow$ $  \downarrow$ to be removed and replaced	
	NEW SUSPENDED ACOUSTICAL CEILING TILE AND GRID	
	(E) SUSPENDED ACOUSTICAL CEILING TILE AND GRID- PROTECT DURING CONSTRUCTION	TER
	(E) GYP. BD. CEILING TO BE DEMOLISHED AS REQ'D FOR STRUCTURAL & MECHANICAL WORK	Z NJ 20
	(N) GYP. BD. CEILING MATCH (E), PATCH AND PAINT AS ORIGINAL CONDITIONS AFTER PERFORMED STRUCTURAL & MECHANICAL WORK	DR: CHC ST ST SO
	A.F.F. CEILING HEIGHT	ATION FOR: PUBLIC SCHO ON SERVICE CROCKER ST COLORADO
	EXISTING SUPPLY AIR GRILLE, RE: MECH.	RENOVATION LETON PUBLIC DRTATION SEF 5565 S. CROCK LETON, COLOR
	EXISTING RETURN AIR GRILLE, RE: MECH.	RENOVATI LITTLETON PUF ANSPORTATION 5565 S. CRC LITTLETON, COI
	NEW SUPPLY AIR GRILLE, RE: MECH.	REN ILETC PORTA 5565 LETC
	NEW RETURN AIR GRILLE, RE: MECH.	LITT ANSH LITT
		TR/
	SINGLE FACE EXIT SIGN	
	DOUBLE FACE EXIT SIGN	OWNERSHIP OF INSTRUMENTS
	WALL MOUNTED STROBE	OF SERVICE
	D SMOKE DETECTOR	ALL REPORTS, PLANS, SPECIFICATIONS COMPUTER FILES, FIELD DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY THE DESIGN PROFESSIONAL
	ME WALL MOUNTED FIRE HORN W/STROBE	AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL. THE DESIGN PROFESSIONAL SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING
		THE COPYRIGHT THERETO.
	<b>RCP KEY NOTES:</b> ALL RCP'S	
	1. PROVIDE (N) SUSPENDED ACOUSTICAL CEILING AND GRID ASSEMBLY COMPLETE. COORDINATE WITH MECHANICAL, PLUMBING, & ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.	
	2. PROVIDE (N) GYPSUM BOARD CEILING ASSEMBLY COMPLETE- PAINT. COORDINATE WITH MECHANICAL, PLUMBING, & ELECTRICAL DRAWINGS FOR FURTHER INFORMATION, RE: SPECS	
	<ol> <li>INSTALL NEW ACCESS HATCH ASSEMBLY COMPLETE. PATCH AND CAULK AS NECESSARY AFTER INSTALLED. CHECK WITH MECHANICAL, ELECTRICAL, &amp; PLUMBING DRAWING FOR FURTHER INFORMATION.</li> </ol>	
	<ol> <li>PROVIDE (N) MECHANICAL DEVICE ASSEMBLY COMPLETE. RE: MECHANICAL DRAWINGS.</li> </ol>	
	5. (E) LIGHT FIXTURES TO BE RELOCATED. RE: ELECTRICAL DRAWINGS.	DATE: NOV 14, 2014 PROJECT NO: 14101B
	6. (E) MECHANICAL DEVICE TO BE RELOCATED. RE: MECHANICAL.	ISSUE:
	7. PROVIDE (N) GYPSUM BOARD FINISH AT (E) SOFFIT FRAMING -PAINT.	CONSTRUCTION DOCUMENTS
	<ol> <li>MODIFY AND RESET (E) SUSPENDED CEILING ASSEMBLY SYSTEM AS NECESSARY AFTER INSTALL OF NEW WALL. CHECK WITH MECHANICAL, PLUMBING, &amp;/OR ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.</li> </ol>	DRAWN: KS-LZ
	9. PATCH AND PAINT (E) SOFFIT AS REQUIRED AFTER INSTALLATION OF NEW SUSPENDED CEILING TILE AND NEW KITCHEN CASEWORK.	CHECKED: RET FILE NAME:
	10. (N) OR (E) REINSTALLED EXIT LIGHT ASSEMBLY COMPLETE. RE: ELECTRICAL DWGS.	A2.1_RCP DWG NAME:
	11. (E) WOOD SOFFIT- PAINT.	FIRST FLOOR
	12. PROVIDE (N) LIGHTING FIXTURE ASSEMBLY COMPLETE. RE: ELECTRICAL DRAWINGS.	REFLECTED CEILING PLAN
	13. PROVIDE (N) MECHANICAL DUCT. RE: MECHANICAL DGWS.	
	14. NOT USED. 15. (E) LIGHT TO REMAIN, PROTECT DURING CONSTRUCTION	
	PROCESS. 16. PATCH AND PAINT, MATCH (E).	SHEET NO:
		<b>A2.1</b>

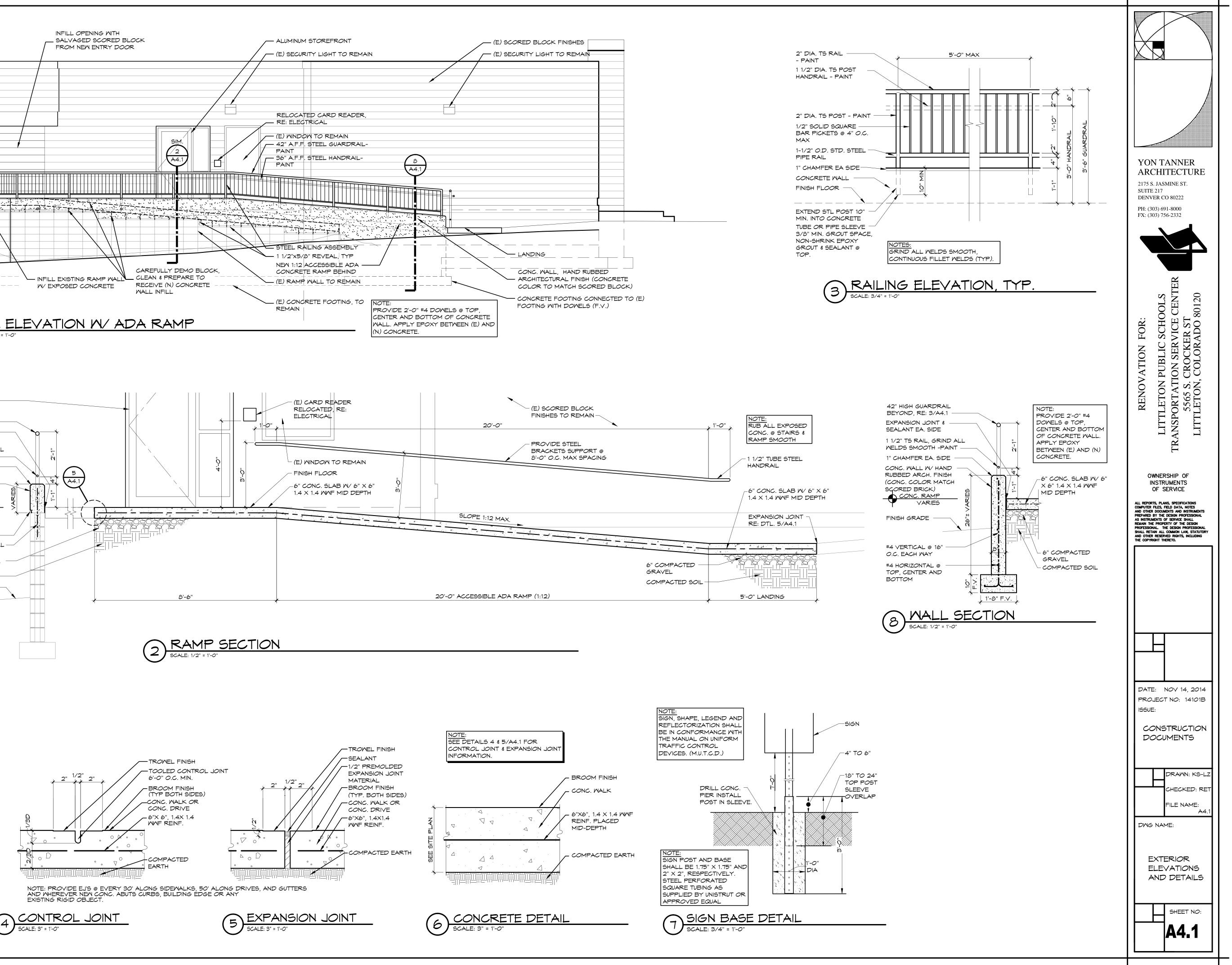


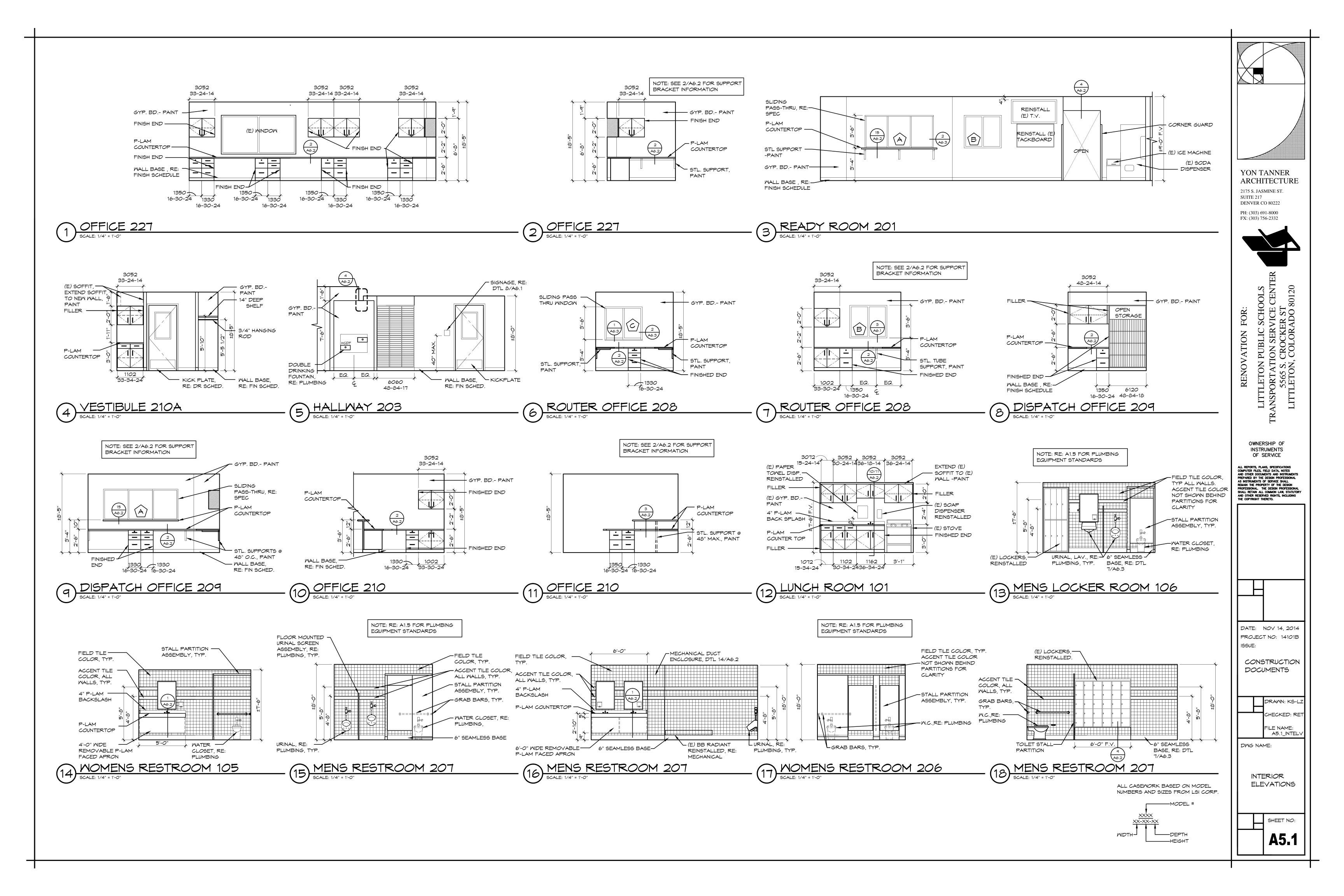


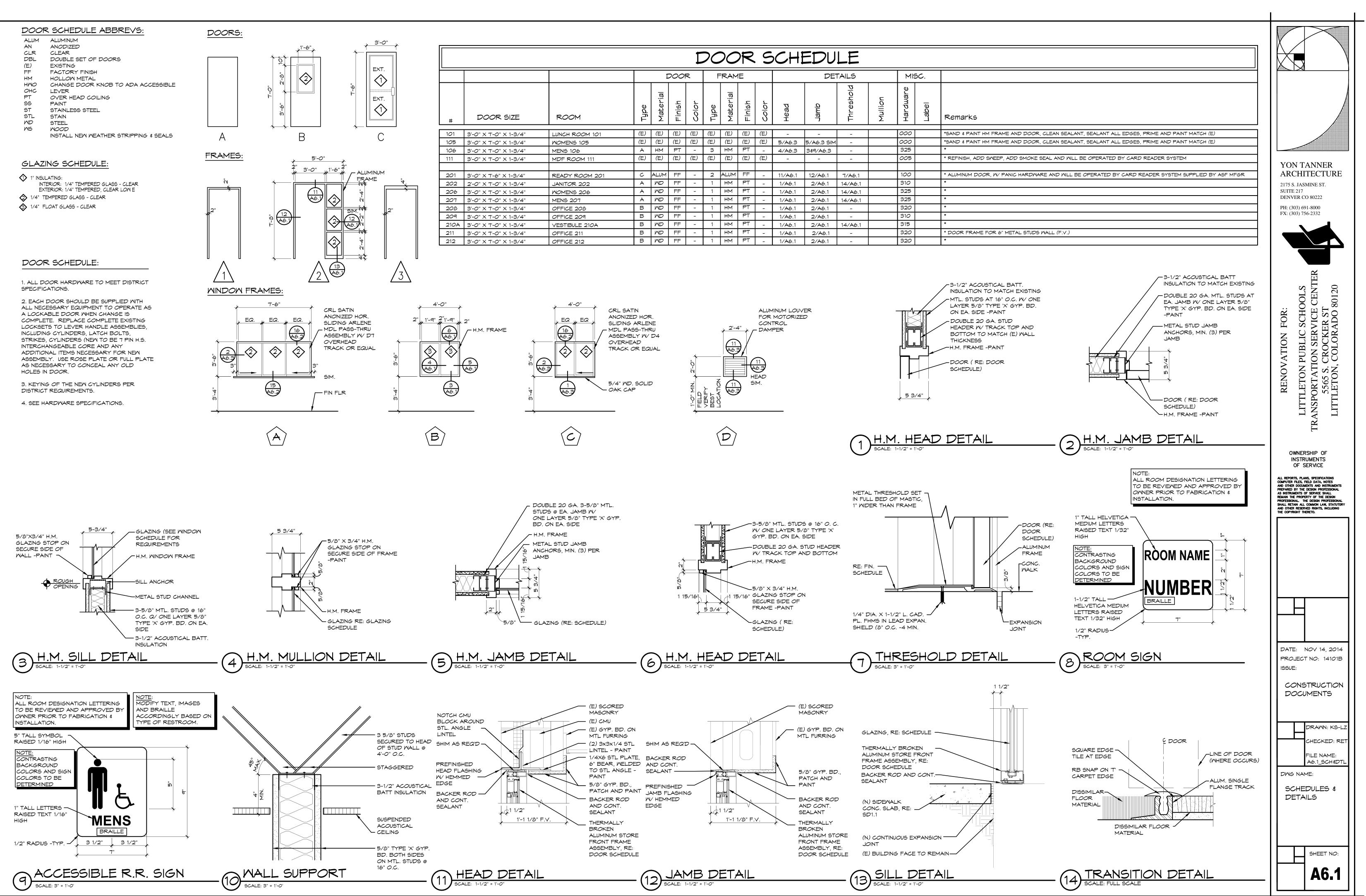




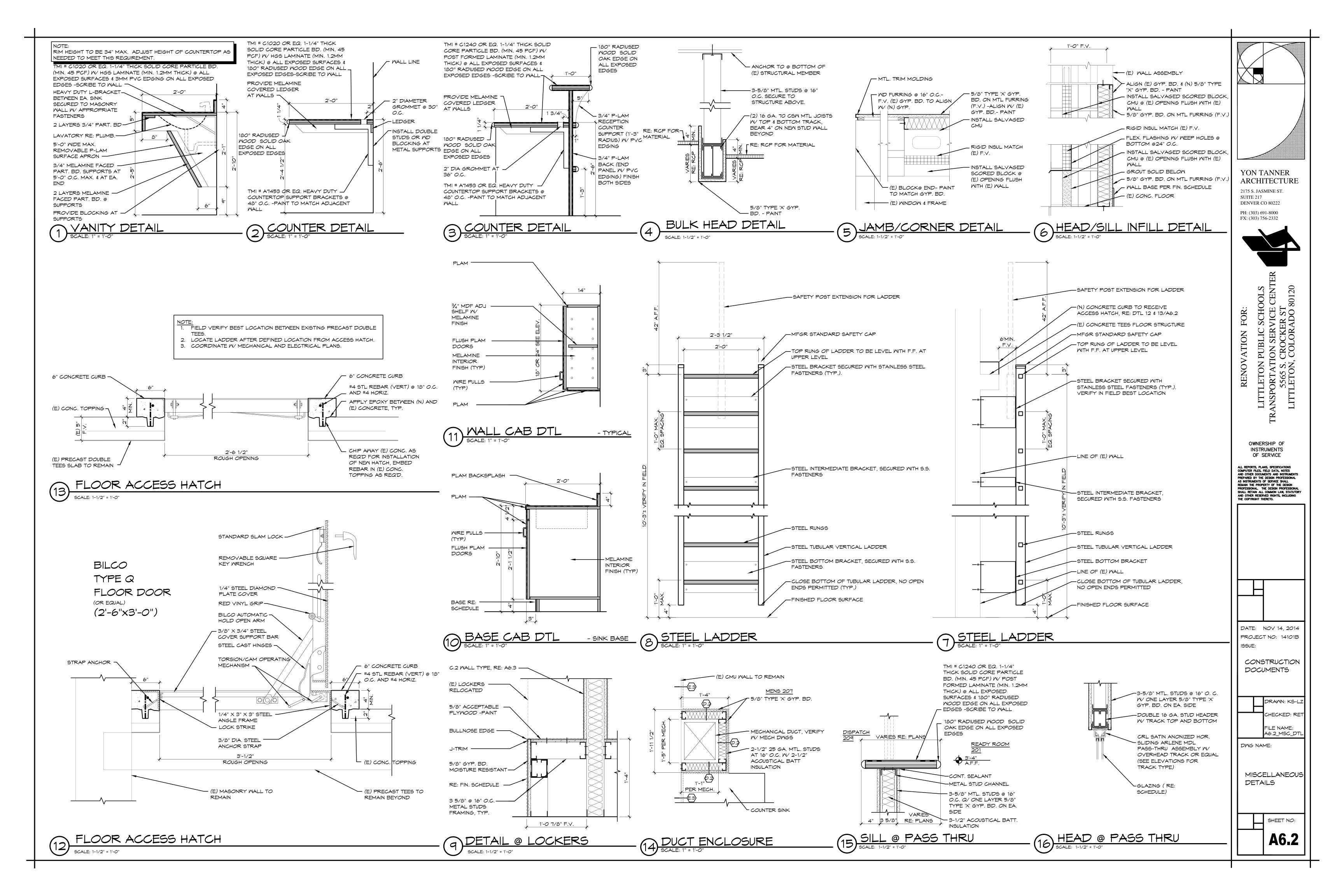


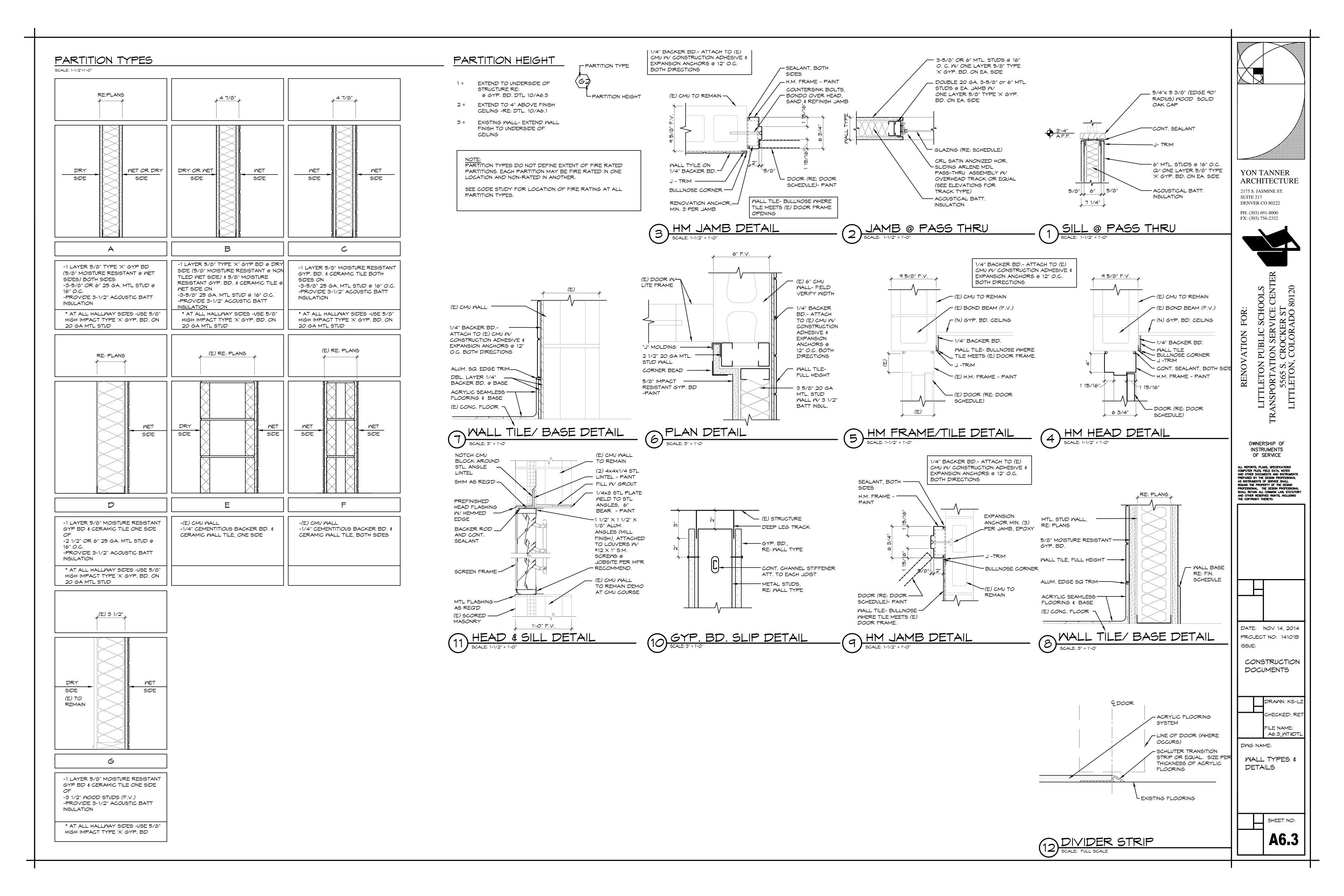


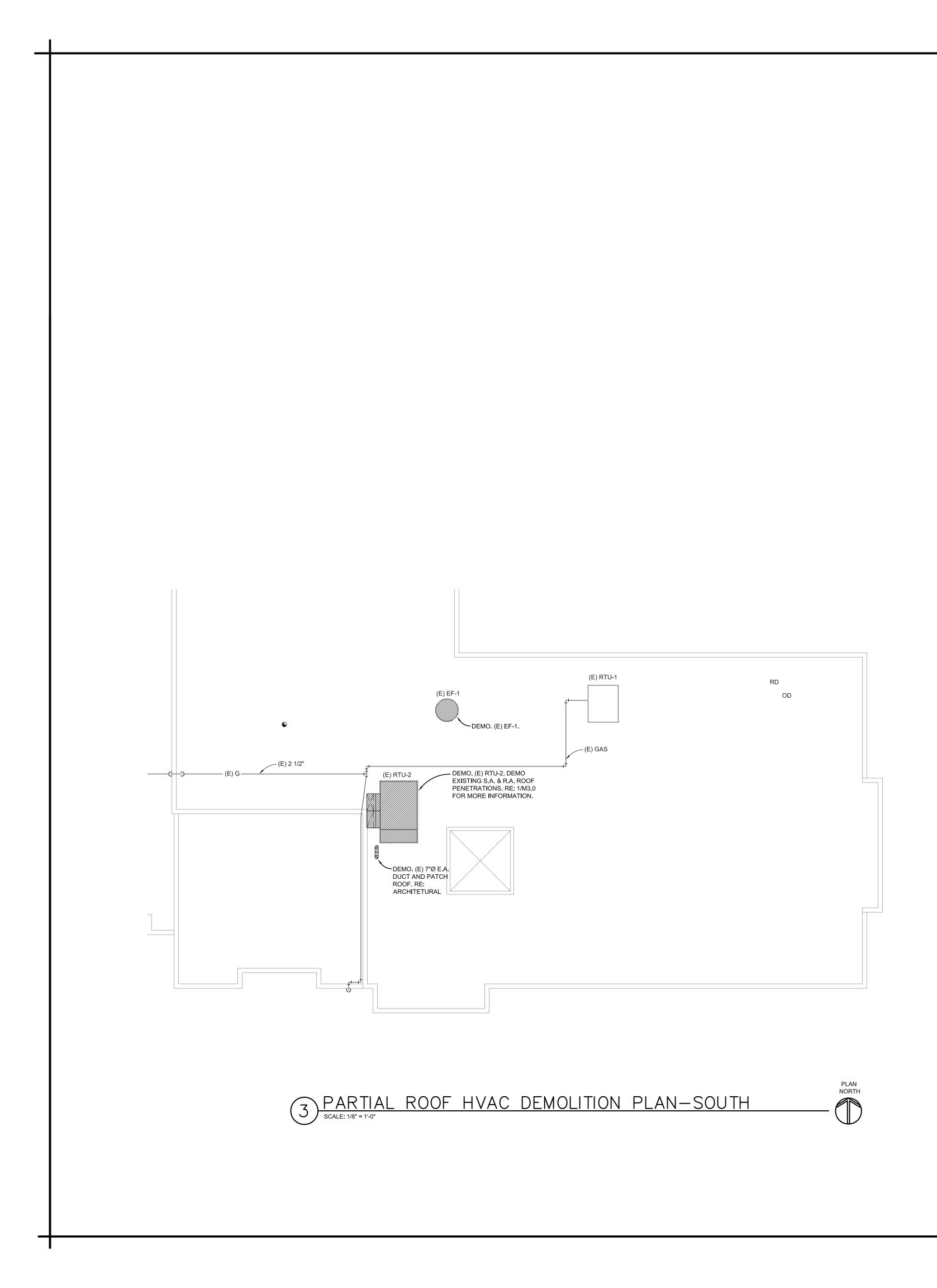


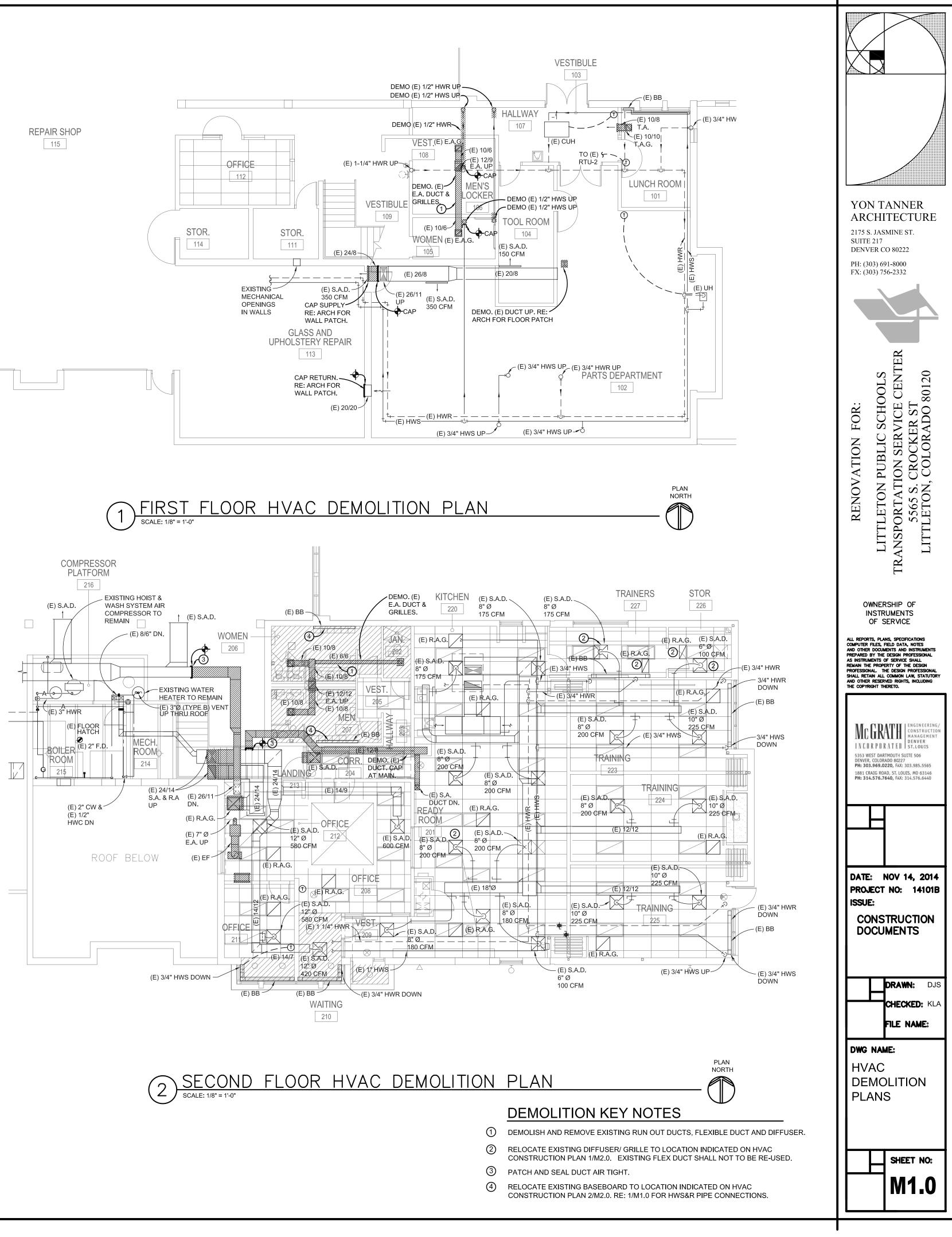


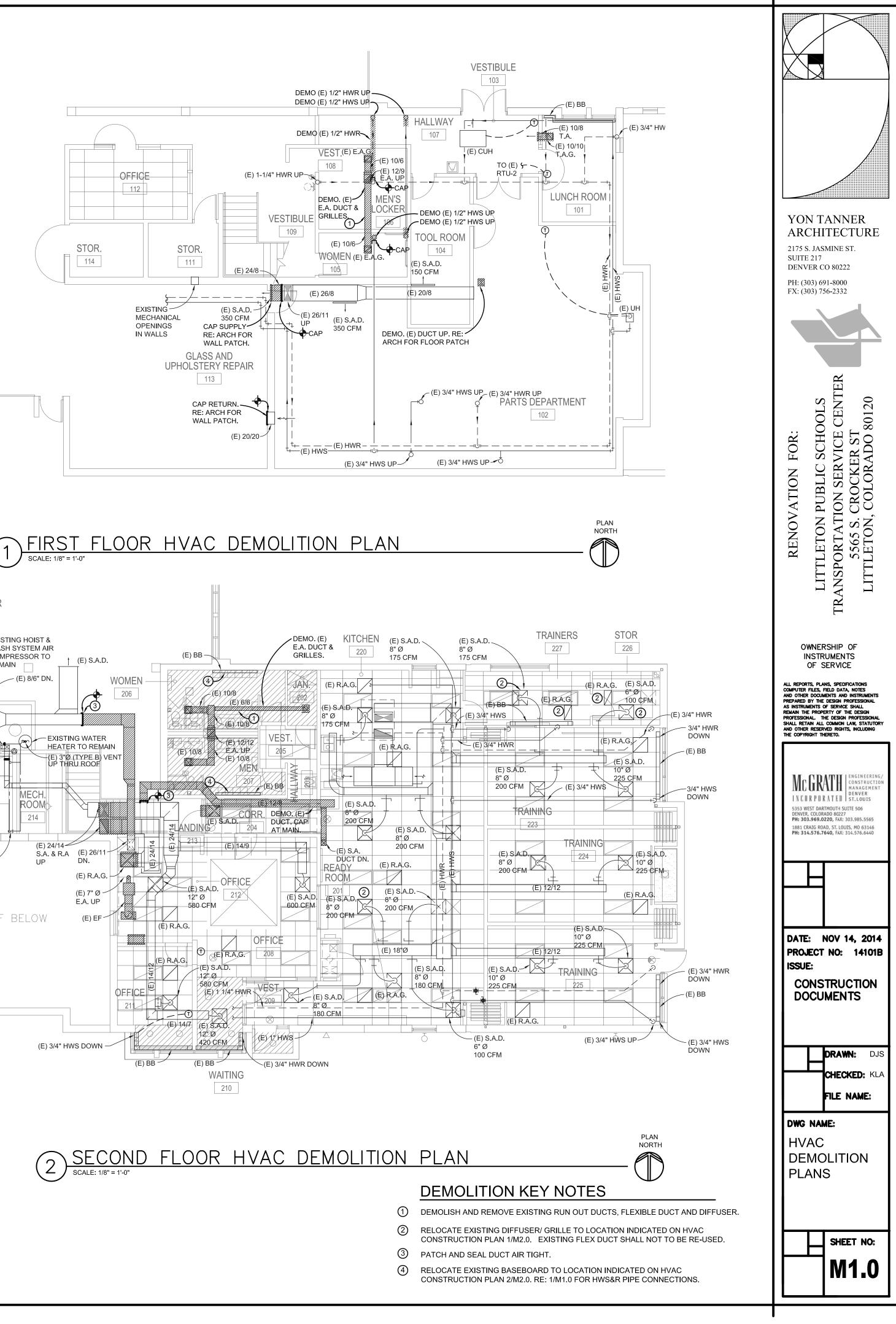
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				I	000	২	F	RAM	E			DET	<b>TAILS</b>		MIS	5C.	
	DOOR SIZE	R <i>00</i> M	Туре	Material	Finish	Color	Type	Material	Finish	Color	Неад	qmer	Threshold	Mullion	Hardware	Label	Ren
4			(E)				(E)			(E)					000		*SANI
-	3'-0" X 7'-0" X 1-3/4"	LUNCH ROOM 101		(E)	(E)	(E)		(E)	(E)		-	-	-				
5	3'-0" X 7'-0" X 1-3/4"	WOMENS 105	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)		5/A6.3 SIM	-		000		*SANI
6	3'-0" × 7'-0" × 1-3/4"	MENS 106	A	HM	PT	-	3	HM	PT	-	4/A6.3	3&9/A6.3	-		325		*
	3'-0" X 7'-0" X 1-3/4"	MDF ROOM 111	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	-	-	-		005		* REF
1	3'-0" X 7'-6" X 1-3/4"	READY ROOM 201	c	ALUM	FF	-	2	ALUM	FF	-	11/A6.1	12/A6.1	7/A6.1		100		* ALUI
2	2'-0" X 7'-0" X 1-3/4"	JANITOR 202	A	ND	FF	-	1	НМ	PT	-	1/A6.1	2/A6.1	14/A6.1		310		*
6	3'-0" X 7'-0" X 1-3/4"	WOMENS 206	A	ND	FF	-	1	НМ	PT	-	1/A6.1	2/A6.1	14/A6.1		325		*
T	3'-0" X 7'-0" X 1-3/4"	MENS 207	A	ND	FF	-	1	НМ	PT	-	1/A6.1	2/A6.1	14/A6.1		325		*
8	3'-0" X 7'-0" X 1-3/4"	OFFICE 208	В	ND	FF	-	1	НМ	PT	-	1/A6.1	2/A6.1	-		320		*
9	3'-0" X 7'-0" X 1-3/4"	OFFICE 209	В	ND	FF	-	1	НМ	PT	-	1/A6.1	2/A6.1	-		310		*
ЭA	3'-0" X 7'-0" X 1-3/4"	VESTIBULE 210A	В	ND	FF	-	1	НМ	ΡT	-	1/A6.1	2/A6.1	14/A6.1		315		*
1	3'-0" X 7'-0" X 1-3/4"	OFFICE 211	В	ND	FF	-	1	НМ	ΡT	-	1/A6.1	2/A6.1	-		320		* DOC
2	3'-0" × 7'-0" × 1-3/4"	OFFICE 212	В	ND	FF	_	1	НМ	PT	-	1/A6.1	2/A6.1	_		320		*

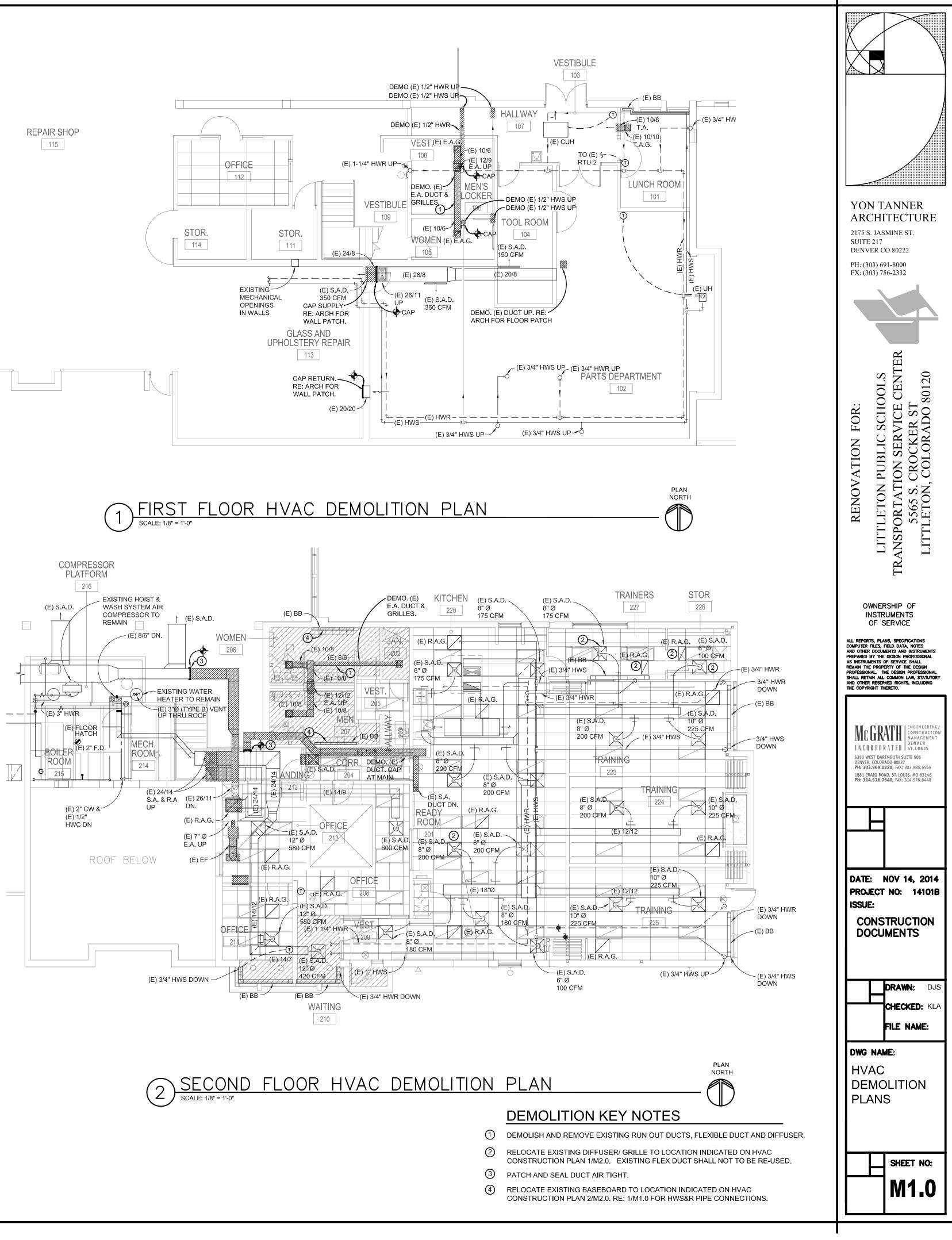


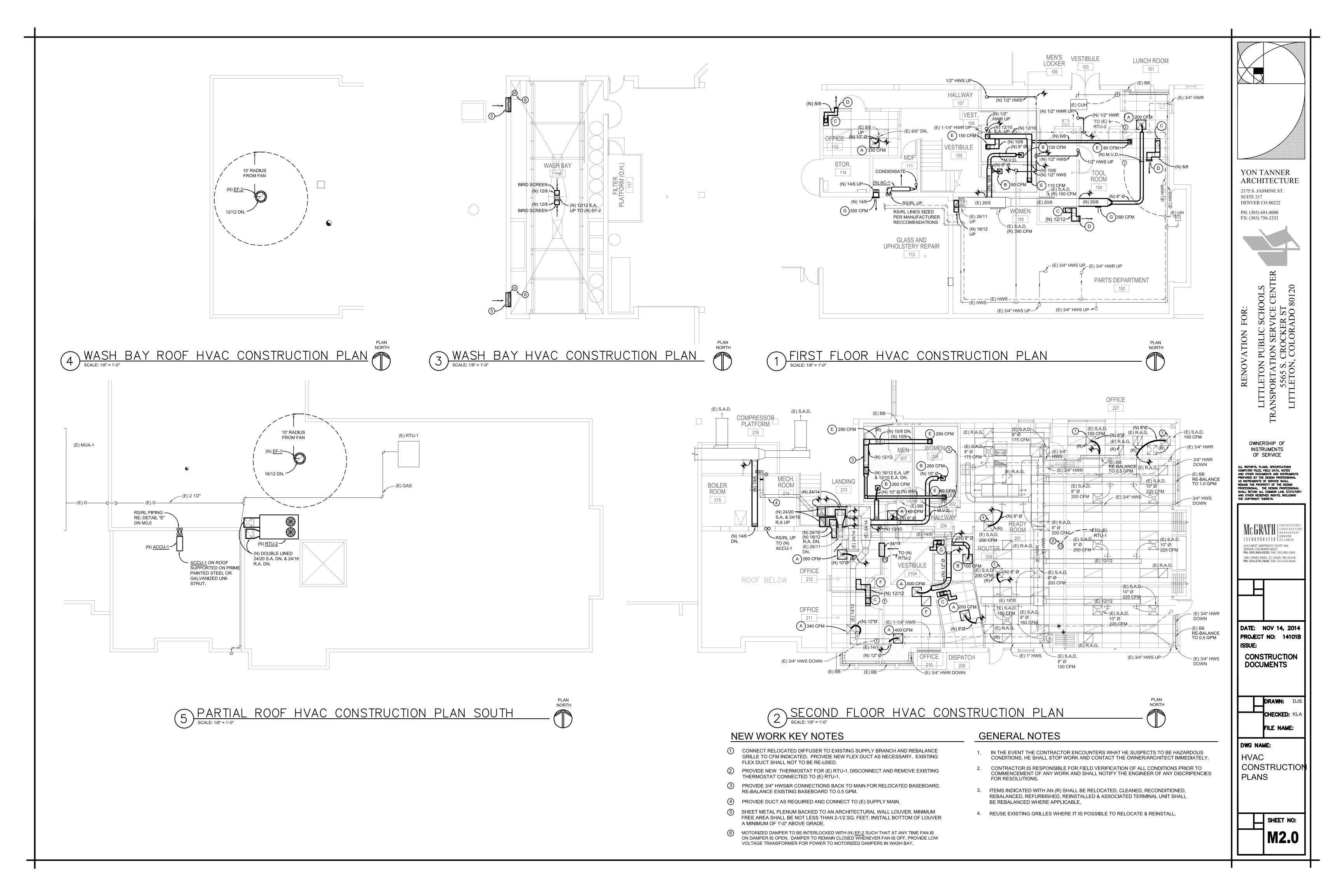


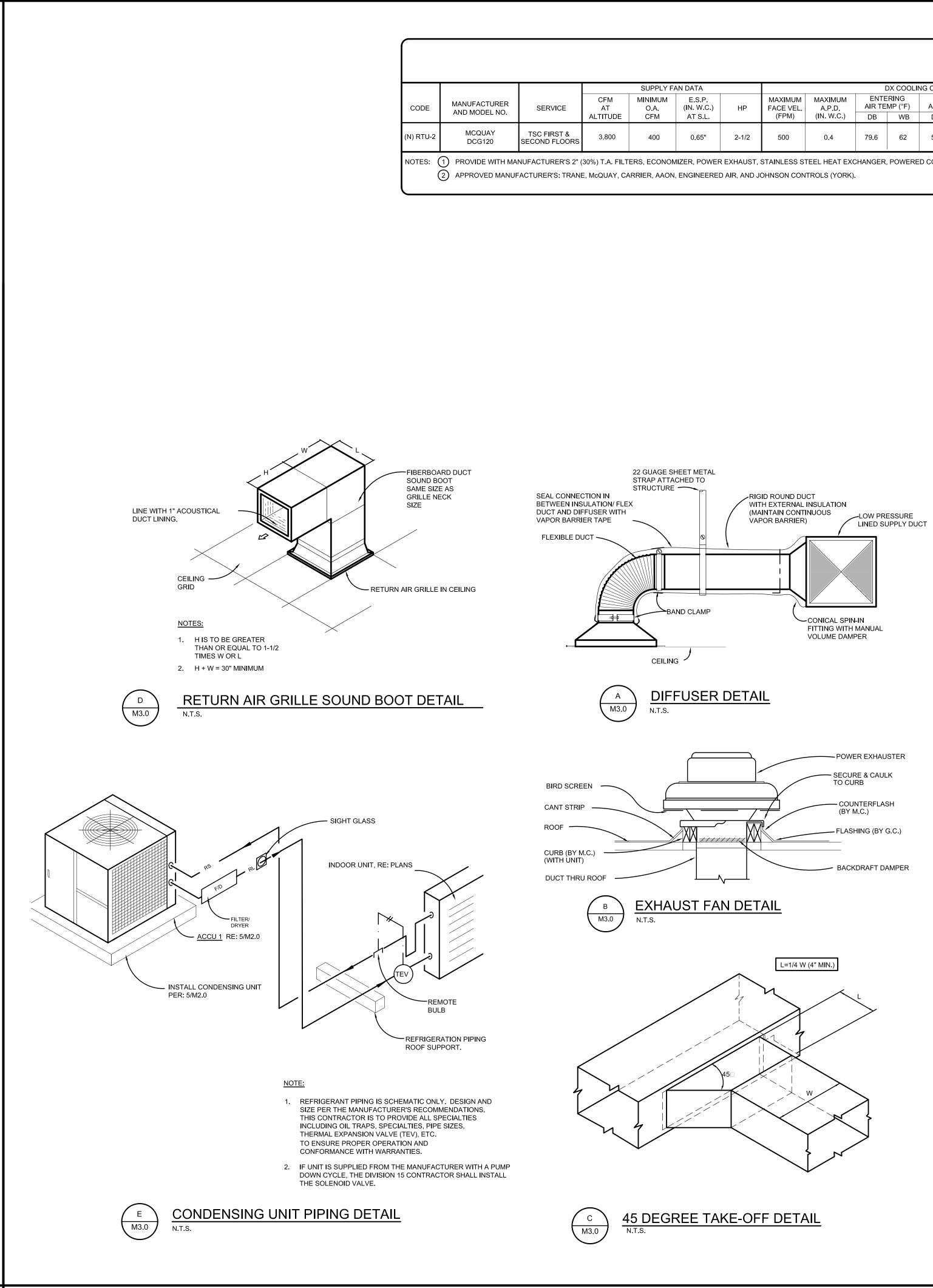












## **ROOFTOP UNIT SCHEDULE**

E.S.P. (IN. W.C.)       MAXIMUM A.P.D. (FPM)       MAXIMUM A.P.D. (IN. W.C.)       MAXIMUM A.P.D. (IN. W.C.)       ENTENING AIR TEWP (°F)       LEAVING AIR TEWP (°F)       MINIMUM SER (PER AIR 1210/240       TYPE       GAS PRESS. RANGE       ENTENING AIR TEWP (°F)       INPUT (MBH)       VOLTAGE/ PHASE       M.C.A.       MO.C.P.       OPERATING WEIGHT (LBS.)       ACCESSORIES AND REMARKS	FAN	N DATA				D>	X COOLIN	IG COIL D	ΟΑΤΑ					HEATING	SECTION	1			ELEC	TRICAL DA	ATA		
		(IN. W.C.)	HP	FACE VEL.	A.P.D.	AIR TEM	IP (°F)	AIR TE	MP (°F)	CAPACITY (MBH)	SEER (PER	TYPE	PRESS.		MP (°F)	AIR TEN	ИР (°F)	(MBH)		M.C.A.	M.O.C.P.	WEIGHT	ACCESSORIES AND REMARKS
		0.65"	2-1/2	500	0.4	79.6	62	53	52.3	83.6	11.3	NATURAL GAS	3.5" - 13.5"	60.0	- -	106.7	- VVB	210	208/3	48.2	60		1234

GRILLES, REGIS MANUFACTURER INSTALLATION FACE SIZE SERVICE CODE AND MODEL NO. TYPE A PRICE PLQ SUPPLY SURFACE 24"x24" B PRICE PLQ SUPPLY SURFACE 12"x12" © PRICE PDDR RETURN SURFACE 24"x12" D PRICE 530 TRANSFER SURFACE 10"x10" E PRICE 80 EXHAUST SURFACE 12"x12" F PRICE PDDR RETURN SURFACE 24"x24" G PRICE 500 SUPPLY SURFACE 14"x5"

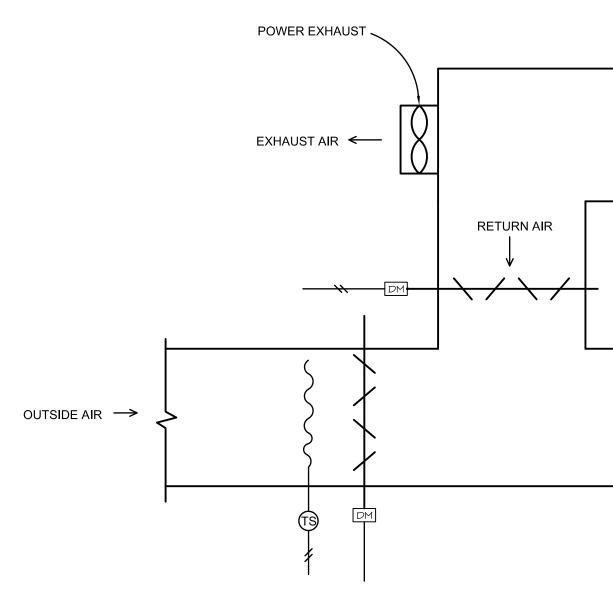
				F	AN S	CHEI	DULE	Ξ		
CODE	MANUFACTURER	SERVICE	TYPE	CFM AT	T.S.P.		LECTRICAL D	ΑΤΑ	OPERATING WEIGHT	REMARKS
OODL	AND MODEL NO.	OEI (10E		ALTITUDE	(IN. W.C.)	HP (WATTS)	R.P.M.	VOLTS/	(LBS.)	
(N) EF-1	COOK ACE-B-120	FIRST & SECOND FLOOR TOILETS	ROOF	1,000	0.5"	1/6	1,725	120/1	55	12
(N) EF-2	COOK ACE-B-120	WASH BAY	ROOF	750	0.5"	1/6	1,725	120/1	55	13
NOTES:	1 PROVIDE WITH GRAVITY B	ACKDRAFT DAMPER	(2) IN	TERLOCK WITH (N	I) RTU-2.	3 INTERLO	OCK WITH WA	ALL SWITCH.		

			C	DUC-	TLE	ESS	MIN	NI-S	PLIT	SYS	TE	M UN	IIT SO	CHE	DULE		
						INDOOF	R UN <b>I</b> T DA	ATA				OUTDOOR	UNIT DATA		ELECTRICA	L DATA	
			NOMINAL	FAN D	ATA	RE	FRIGERA		ΔΤΑ	UNIT		REFRIGEF	RANT PIPE	UNIT			
CODE	MANUFACTURER AND MODEL No.	SERVICE	COOLING CAPACITY (BTUH)	CFM AT SEA LVL	НР	A.P.D. (IN. W.C.)	E.A.T. (°F)	L.A.T. (°F)	CAPACITY (MBH)	OPER. WEIGHT (LBS.)	O.A. TEMP. (°F)	SUCTION LINE SIZE	LIQUID LINE SIZE	OPER. WEIGHT (LBS.)	VOLTAGE / PHASE	M.C.A.	REMARKS
(N) AC-1 / (N) ACCU-1	DAIKIN FTXS36LVJU DAIKIN RKS36LVJU	MDF ROOM	36,000	770	25 w	0.25	80.0	47.0	22,890	38	95	5/8"	3/8"	179	2	2	13456
NOTES:	<ol> <li>PROVIDE LOW AM</li> <li>INDOOR UNIT: 208 OUTDOOR UNIT: 2</li> <li>REFRIGERANT R4</li> </ol>	3V-3PH⊡NA M 208V-3PH⊡19.	CA, NA MOCP		NTER SI	FART KIT, CF	RANKCAS	E HEATEF	R, AND WIND BA	FFLE.	(4) (5) (6)	PROVIDE WI	TH WIRED ROO TH CONDENSA TH WALL MOU	ATE PUMP.	L.		

4 DUCT SMOKE DETECTOR REQUIRED. PROVIDED BY ELECTRICAL CONTRACTOR INSTALLED BY MECHANICAL CONTRACTOR IN RETURN AIR DUCT.

<b>STE</b>	ERS &	DIFFL	ISER SCH	IEDULE	
	NECK SIZE	VOLUME DAMPER	FINISH	MATERIAL	REMARKS
	SEE PLANS	NO	WHITE	STEEL	
	SEE PLANS	NO	WHITE	STEEL	
	SEE PLANS	NO	WHITE	STEEL	
	8"x8"	NO	WHITE	STEEL	
	6"□	YES	WHITE	STEEL	
	22"x22"	NO	WHITE	STEEL	
	SEE PLANS	NO	WHITE	STEEL	

VON TANNER         ACCHITECTURE         2175 S. JASMINE ST.         SUITE 217         DENVER CO 80222         PH: (303) 691-8000         FX: (303) 756-2332
RENOVATION FOR: LITTLETON PUBLIC SCHOOLS TRANSPORTATION SERVICE CENTER 5565 S. CROCKER ST LITTLETON, COLORADO 80120
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DATE: NOV 14, 2014 PROJECT NO: 14101B ISSUE: CONSTRUCTION DOCUMENTS
CHECKED: KLA FILE NAME: DWG NAME: HVAC DETAILS SCHEDULES & SPECIFICATIONS SHEET NO: M3.0



	AUTOMATION POINTS																				
		ANALOG INPUT				ANALOG OUTPUT			DIGITAL INPUT				DIGITAL OUTPUT			1					
BUILDING AUTOMATION POINTS LIST ROOFTOP UNITS	TEMPERATURE		DIFFERENTIAL PRESSURE	VFD SPEED	SIAIIC PRESSURE	DAMPER POSITION	VALVE POSITION	VFD SPEED	AIR FLOW	IEMPEKAIUKE	ELECT. CURRENT (STATUS)	HIGH WATER LEVEL	LOW WATER LEVEL	SMOKE DETECTION		START/STOP	ALARM				
AHU																$\top$					
SUPPLY FANS				X				Х			Х					X	X				1
ECONOMIZER DAMPERS						Х										L					
LOW LIMIT TEMPERATURE SWITCH (FREEZE STAT)																	X				
COMPRESSOR ENABLE/DISABLE																X	-				
RETURN AIR SMOKE ALARM													_	Х		╇	X				4
SUPPLY AIR DISCHARGE TEMPERATURE	X			+		+			$\vdash$	+	+		-			+	_		$\vdash$	+	-
	X			+		+	+		$\vdash$	+	+		$\dashv$			╋	┢				-
DIRTY FILTER	$\vdash$		Х	+	_	+	+		$\vdash$	+	+		-			+	X		$\vdash$	+	-
	$\vdash$			+		+	+	-		+	+		-			+	-			+	-

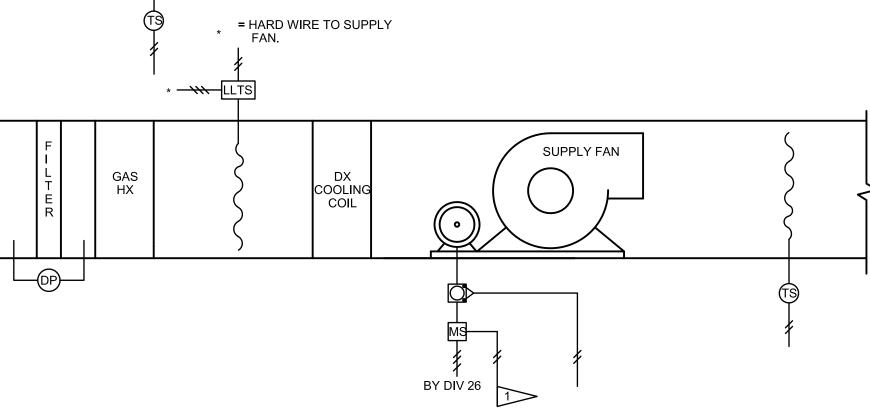


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**RETURN AIR** 





# UNOCCUPIED CYCLE:

A. SUPPLY FAN SHALL BE OFF.

THE SOFTWARE SHALL PREVENT:

SAFETY SHUTDOWNS:

BE 5°F)

ALARMS

- EXCEEDED.
- B. DX COOLING SHALL BE DISABLED.
- MORNING COOL-DOWN:

- DISCHARGE AIR TEMPERATURE OF 70°F (ADJUSTABLE).
- MORNING WARM-UP: A. START SUPPLY FAN AT FULL SPEED.
- D. PROVIDE FREEZE STAT.
- DISCHARGE AIR TEMPERAURE AS OUTLINED ABOVE.

OCCUPIED MODE: A. THE SUPPLY FAN SHALL BE ENERGIZED.

VAV ROOFTOP UNITS SHALL BE PROVIDED WITH AN OUTSIDE AIR MONITORING STATION.

## ROOFTOP UNIT SEQUENCE OF OPERATION

THE OCCUPANCY MODE (OCCUPIED OR UNOCCUPIED) SHALL BE SCHEDULED THROUGH THE BUILDING AUTOMATION SYSTEM AND INCLUDE A SEVEN-DAY SCHEDULE WITH A HOLIDAY SCHEDULE.

B. THERE SHALL BE SEPARATE HEATING AND COOLING DISCHARGE AIR SET POINTS, 55 DEG. F SUPPLY AIR COOLING AND 75 DEG. F HEATING (ADJ.). THE ROOFTOP UNIT SHALL MAINTAIN DISCHARGE AIR SET POINTS AS DESCRIBED. C. THE DX REFRIGERATION, GAS FURNACE, AND ECONOMIZER DAMPERS SHALL ACT IN SEQUENCE TO CONTROL THE

E. MODULATE POWER EXHAUST FAN SPEED THROUGH VFD TO MAINTAIN A POSITIVE SPACE STATIC PRESSURE OF 0.05% W.G.

B. OUTSIDE AIR AND EXHAUST AIR DAMPERS SHALL REMAIN CLOSED AND RETURN AIR DAMPER SHALL REMAIN OPEN. THE DAMPERS SHALL REMAIN IN THIS POSITION UNTIL THE SCHEDULED START TIME IS EXCEEDED. GAS FURNACE SHALL OPERATE TO MAINTAIN

C. IF AVERAGE OF ZONE TEMPERATURES REACHES 70°F MORE THAN 30 MINUTES BEFORE THE OCCUPIED CYCLE, TURN UNIT OFF. IF ZONE TEMPERATURE REACHES 70°F LESS THAN 30 MINUTES BEFORE THE OCCUPIED CYCLE, SWITCH TO OCCUPIED CYCLE. D. KEEP HISTORY OF START TIMES TO CREATE OPTIMUM START TIME FOR MORNING WARM□UP.

A. IF AVERAGE SPACE TEMPERATURE IS GREATER THAN 78°F (ADJ.) AND THE OUTSIDE AIR TEMPERATURE IS LESS THAN 70°F (ADJ.) AND IT IS 60 MINUTES (ADJ.) FROM THE SCHEDULED BUILDING OCCUPANCY, START SUPPLY AND RETURN FANS AT FULL SPEED.

C. OUTSIDE AIR AND EXHAUST AIR DAMPERS SHALL REMAIN OPEN AND RETURN DAMPER SHALL REMAIN CLOSED. THE DAMPERS SHALL REMAIN IN THIS POSITION UNTIL THE SCHEDULED START TIME IS

D. IF AVERAGE OF ZONE TEMPERATURE REACHES 75°F MORE THAN 30 MINUTES BEFORE THE OCCUPIED CYCLE, TURN UNIT OFF. IF AVERAGE ZONE TEMPERATURE REACHES 75°F LESS THAN 30 MINUTES BEFORE THE OCCUPIED CYCLE, SWITCH TO OCCUPIED CYCLE. E. KEEP HISTORY OF START TIMES TO CREATE OPTIMUM START TIME FOR MORNING COOL-DOWN.

B. OUTSIDE AIR AND EXHAUST AIR DAMPERS SHALL BE CLOSED AND RETURN AIR DAMPER OPEN.

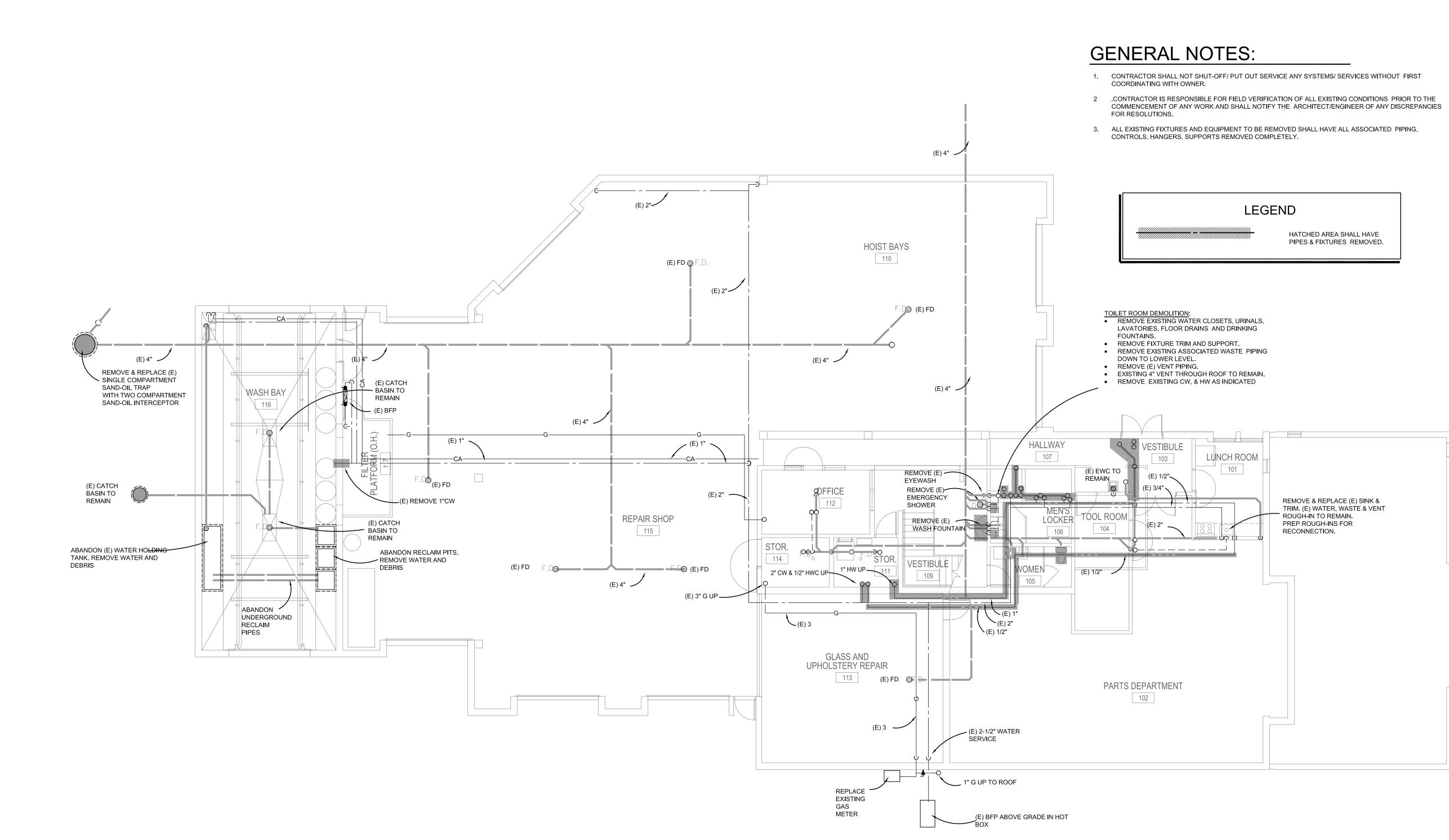
C. UNOCCUPIED SETBACK: WHEN THE COLDEST ZONE TEMPERATURE DROPS BELOW 60°F (ADJUSTABLE), THE SUPPLY FAN SHALL CYCLE ON, THE OUTSIDE AIR AND EXHAUST FAN SHALL BE OFF, THE RETURN AIR DAMPER SHALL BE OPEN. THE COLD ZONE GAS FURNACE MODULATÉ TO MAINTAIN 95° F (ADJUSTABLE) DISCHARGE AIR TEMPERATURE. UPON RISE ABOVE 62°F (ADJUSTABLE) IN ZONE THAN THE UNIT SHALL RESUME UNOCCUPIED CYCLE MODE.

A. DUCT SMOKE DETECTION, SPACE SMOKE DETECTION, AND LOW TEMPERATURE LIMIT TRIPS SHALL DE-ENERGIZE THE SUPPLY AND EXHAUST FANS AND CLOSE THE OUTSIDE AIR /RETURN DAMPERS. MANUAL RESET OF THE TRIPPED DEVICE SHALL BE REQUIRED TO RESTART THE SYSTEM.

1. THE HEATING SET POINT FROM EXCEEDING THE COOLING SET POINT MINUS 5°F (I.E., THE MINIMUM DEADBAND SHALL 2. THE UNOCCUPIED HEATING SET POINT FROM EXCEEDING THE OCCUPIED HEATING SET POINT; AND THE UNOCCUPIED COOLING SET POINT FROM BEING LESS THAN THE OCCUPIED COOLING SET POINT.

A. IF THE OUTSIDE AIR TEMPERATURE IS BELOW 30 DEG AND THE DISCHARGE AIR TEMPERATURE IS BELOW 55 DEG, TRIP AN ALARM. B. IF THE OA, EA OR HIGH EFFICIENCY FILTERS TRIP THEIR PRESSURE SET POINT, SEND AN ALARM TO BAS. C. IF THE COMPRESSOR SECTION INDICATES A MALFUNCTION, SEND AN ALARM TO BAS.

YON TANNER ARCHITECTURE 2175 S. JASMINE ST. SUITE 217 DENVER CO 80222 PH: (303) 691-8000 FX: (303) 756-2332
RENOVATION FOR: LITTLETON PUBLIC SCHOOLS TRANSPORTATION SERVICE CENTER 5565 S. CROCKER ST LITTLETON, COLORADO 80120
OWNERSHIP OF INSTRUMENTS
OF SERVICE All reports, plans, specifications computer files, field data, notes and other documents and instruments
PREPARED BY THE DESIGN PROFESSIONAL AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL. THE DESIGN PROFESSIONAL SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING
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DATE: NOV 14, 2014 PROJECT NO: 14101B
ISSUE: CONSTRUCTION
DOCUMENTS
DRAWN: DJS CHECKED: KLA
FILE NAME:
<b>dwg name:</b> HVAC
CONTROLS SCHEMATIC
SHEET NO:
M3.1



## 1 LOWER LEVEL PLUMBING DEMOLITION PLAN

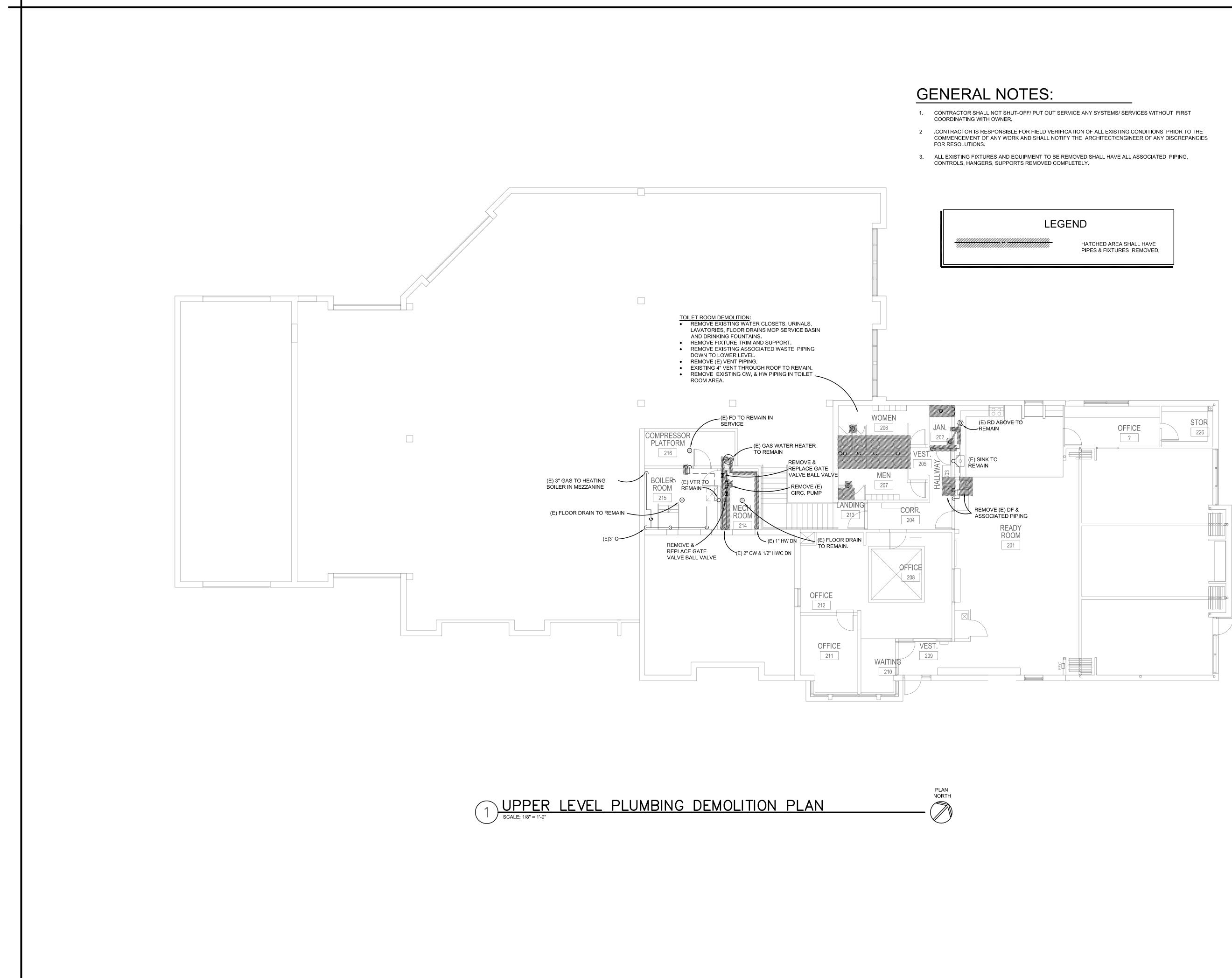


Y SYSTEMS/ SERVICES WITHOUT	FIRST

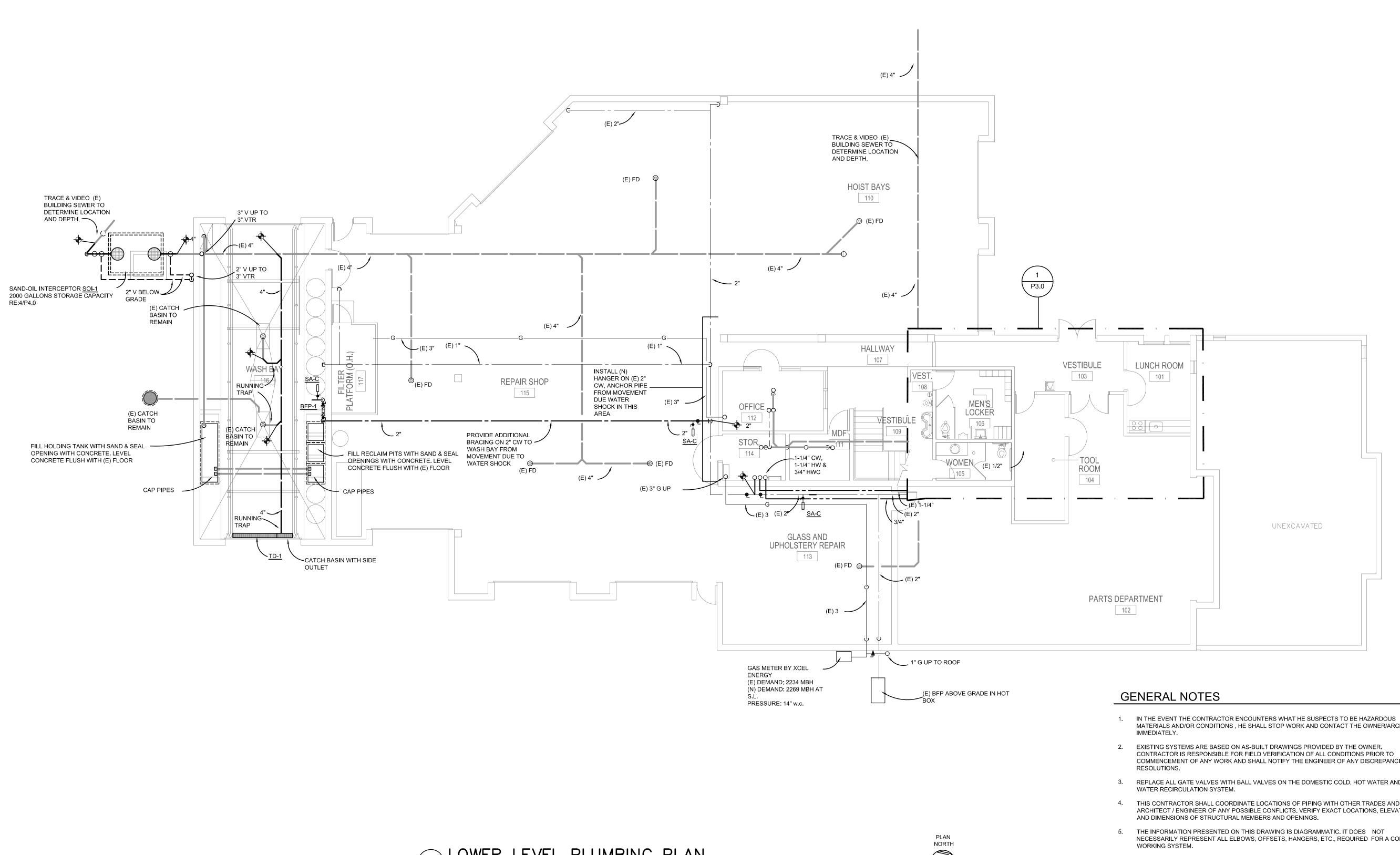
HATCHED AREA SHALL HAVE PIPES & FIXTURES REMOVED.

REMOVE & REPLACE (E) SINK & TRIM. (E) WATER, WASTE & VENT ROUGH-IN TO REMAIN. PREP ROUGH-INS FOR RECONNECTION.

YON TANNER
ARCHITECTURE 2175 S. JASMINE ST. SUITE 217 DENVER CO 80222 PH: (303) 691-8000 FX: (303) 756-2332
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FILE NAME: DWG NAME:
LOWER LEVEL PLUMBING DEMO PLAN
SHEET NO: P1.0



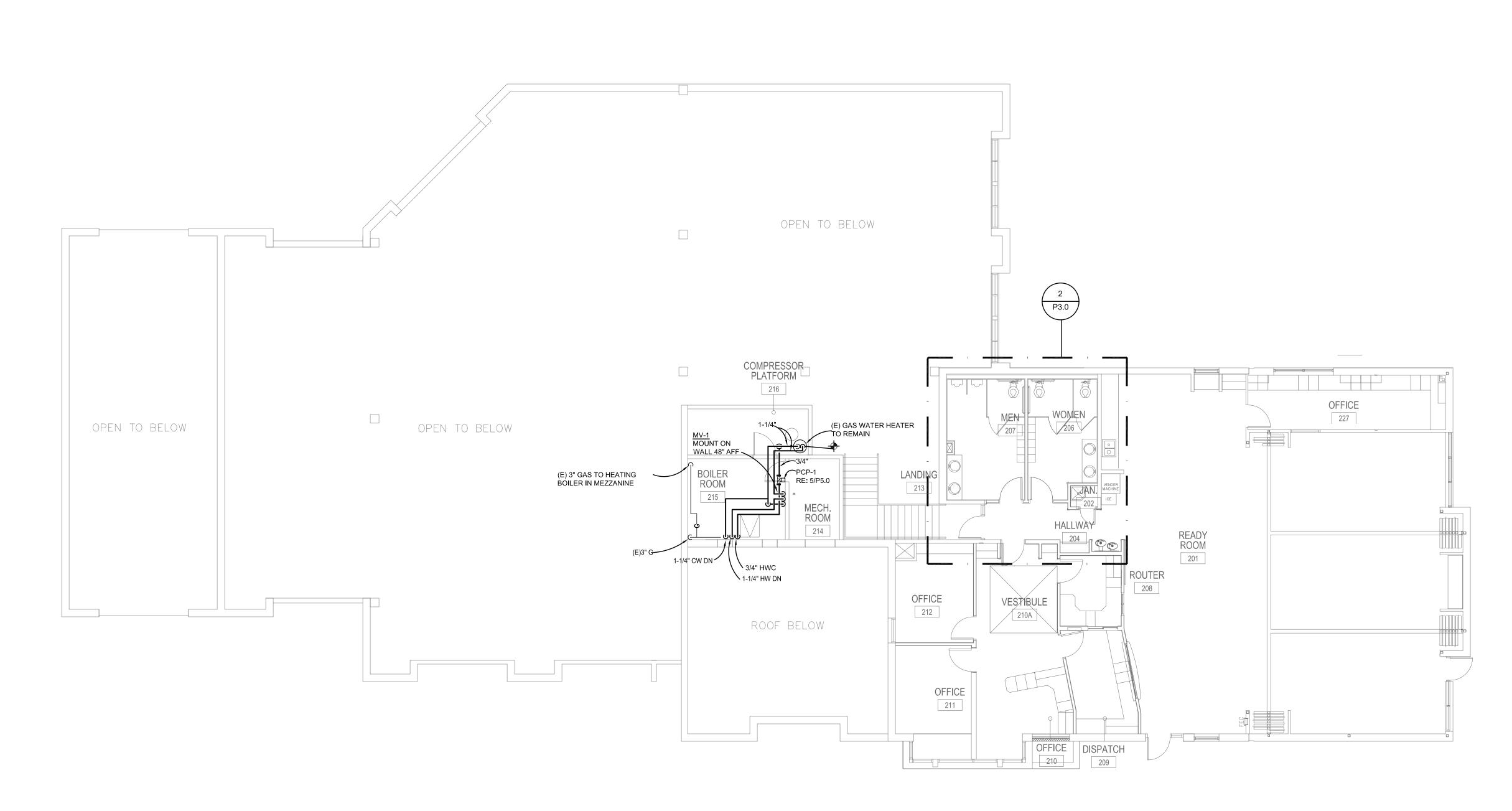
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DWG NAME: UPPER LEVEL PLUMBING DEMO PLAN
SHEET NO: P1.1





- MATERIALS AND/OR CONDITIONS , HE SHALL STOP WORK AND CONTACT THE OWNER/ARCHITECT
- 2. EXISTING SYSTEMS ARE BASED ON AS-BUILT DRAWINGS PROVIDED BY THE OWNER. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOR
- 3. REPLACE ALL GATE VALVES WITH BALL VALVES ON THE DOMESTIC COLD, HOT WATER AND HOT
- 4. THIS CONTRACTOR SHALL COORDINATE LOCATIONS OF PIPING WITH OTHER TRADES AND ADVISE ARCHITECT / ENGINEER OF ANY POSSIBLE CONFLICTS. VERIFY EXACT LOCATIONS, ELEVATIONS
- 5. THE INFORMATION PRESENTED ON THIS DRAWING IS DIAGRAMMATIC. IT DOES NOT NECESSARILY REPRESENT ALL ELBOWS, OFFSETS, HANGERS, ETC., REQUIRED FOR A COMPLETE WORKING SYSTEM.
- 6. SEAL ALL PIPE PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS AND CEILINGS WITH APPROVED FIRE PROOF MATERIALS AS SPECIFIED IN DIVISION 7.
- 7. SEE PLUMBING FIXTURE CONNECTION SCHEDULE FOR PIPE SIZING TO INDIVIDUAL PLUMBING FIXTURES.
- 8. QUICK CLOSING VALVES SHALL HAVE A WATER HAMMER ARRESTOR..
- 9. PROVIDE ISOLATION VALVES ON COLD AND HOT WATER PIPING TO ALL FIXTURES. 10. PROVIDE CLEANOUTS PER SPECIFICATIONS AND LOCAL PLUMBING CODES. LOCATE WALL CLEANOUTS UNDER LAVATORIES, SINK AND IN VENTS OF URINALS

ARC 2175 S SUITE DENV PH: (30	N TANNER CHITECTURE . JASMINE ST. 217 ER CO 80222 03) 691-8000 03) 756-2332
RENOVATION FOR:	LITTLETON PUBLIC SCHOOLS TRANSPORTATION SERVICE CENTER 5565 S. CROCKER ST LITTLETON, COLORADO 80120
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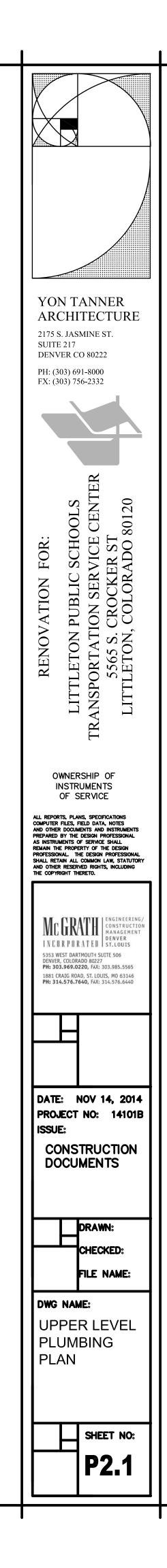


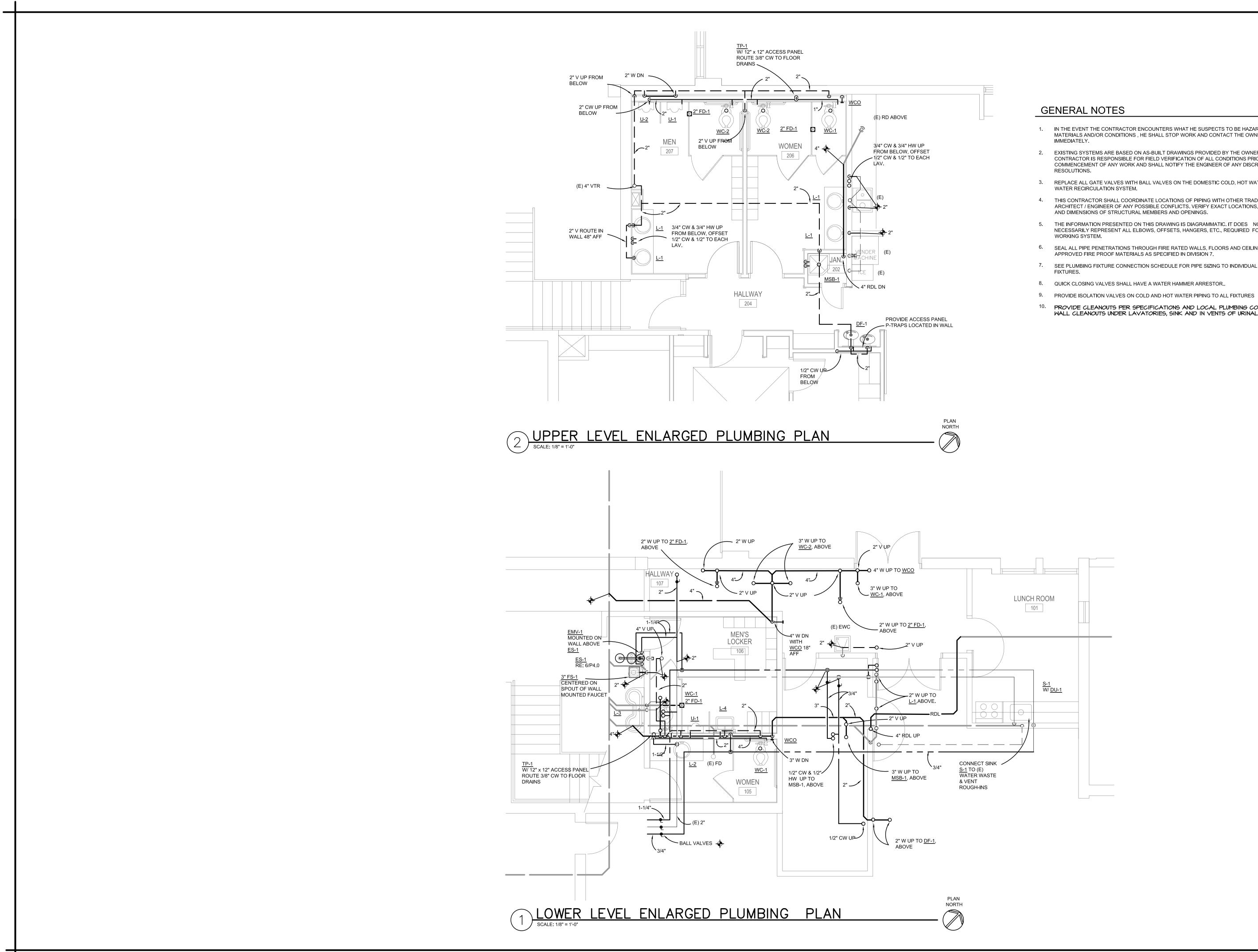
UPPER LEVEL PLUMBING PLAN

## GENERAL NOTES

PLAN NORTH

- IN THE EVENT THE CONTRACTOR ENCOUNTERS WHAT HE SUSPECTS TO BE HAZARDOUS 1. MATERIALS AND/OR CONDITIONS , HE SHALL STOP WORK AND CONTACT THE OWNER/ARCHITECT IMMEDIATELY.
- 2. EXISTING SYSTEMS ARE BASED ON AS-BUILT DRAWINGS PROVIDED BY THE OWNER. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOR RESOLUTIONS.
- 3. REPLACE ALL GATE VALVES WITH BALL VALVES ON THE DOMESTIC COLD, HOT WATER AND HOT WATER RECIRCULATION SYSTEM.
- 4. THIS CONTRACTOR SHALL COORDINATE LOCATIONS OF PIPING WITH OTHER TRADES AND ADVISE ARCHITECT / ENGINEER OF ANY POSSIBLE CONFLICTS. VERIFY EXACT LOCATIONS, ELEVATIONS AND DIMENSIONS OF STRUCTURAL MEMBERS AND OPENINGS.
- 5. THE INFORMATION PRESENTED ON THIS DRAWING IS DIAGRAMMATIC. IT DOES NOT NECESSARILY REPRESENT ALL ELBOWS, OFFSETS, HANGERS, ETC., REQUIRED FOR A COMPLETE WORKING SYSTEM.
- 6. SEAL ALL PIPE PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS AND CEILINGS WITH APPROVED FIRE PROOF MATERIALS AS SPECIFIED IN DIVISION 7.
- 7. SEE PLUMBING FIXTURE CONNECTION SCHEDULE FOR PIPE SIZING TO INDIVIDUAL PLUMBING FIXTURES.
- 8. QUICK CLOSING VALVES SHALL HAVE A WATER HAMMER ARRESTOR.
- 9. PROVIDE ISOLATION VALVES ON COLD AND HOT WATER PIPING TO ALL FIXTURES.
- 10. PROVIDE CLEANOUTS PER SPECIFICATIONS AND LOCAL PLUMBING CODES. LOCATE WALL CLEANOUTS UNDER LAVATORIES, SINK AND IN VENTS OF URINALS

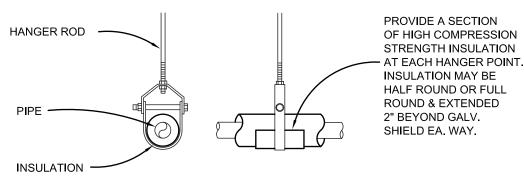




## **GENERAL NOTES**

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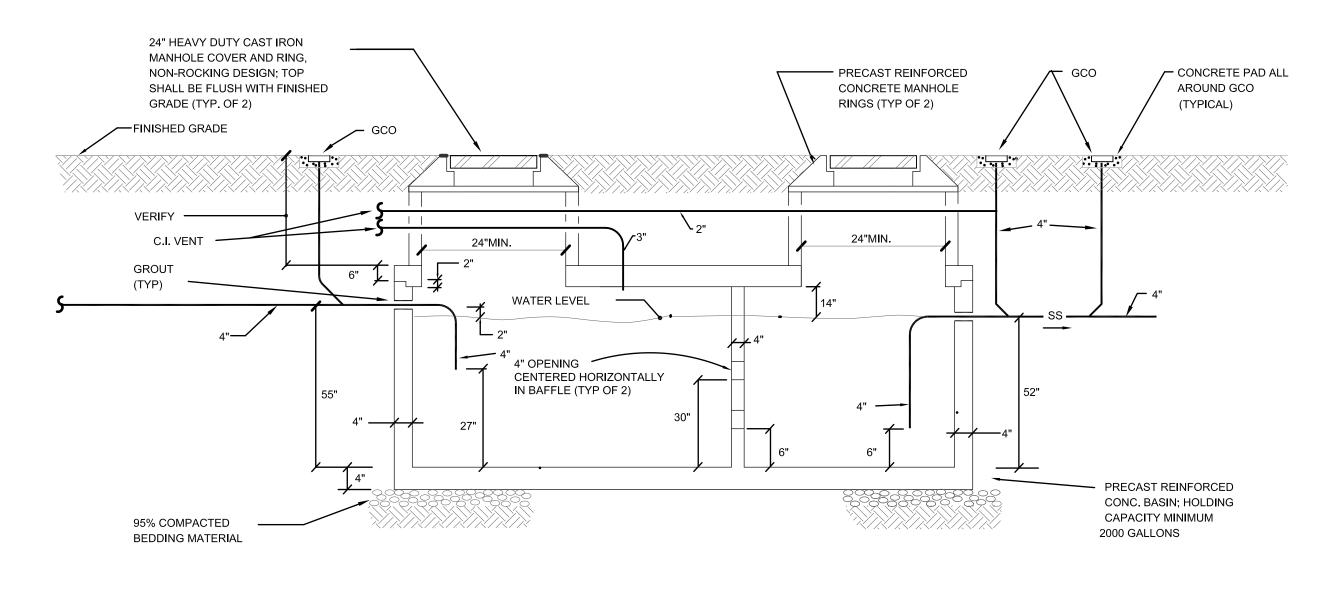
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PLANS SHEET NO: P3.0



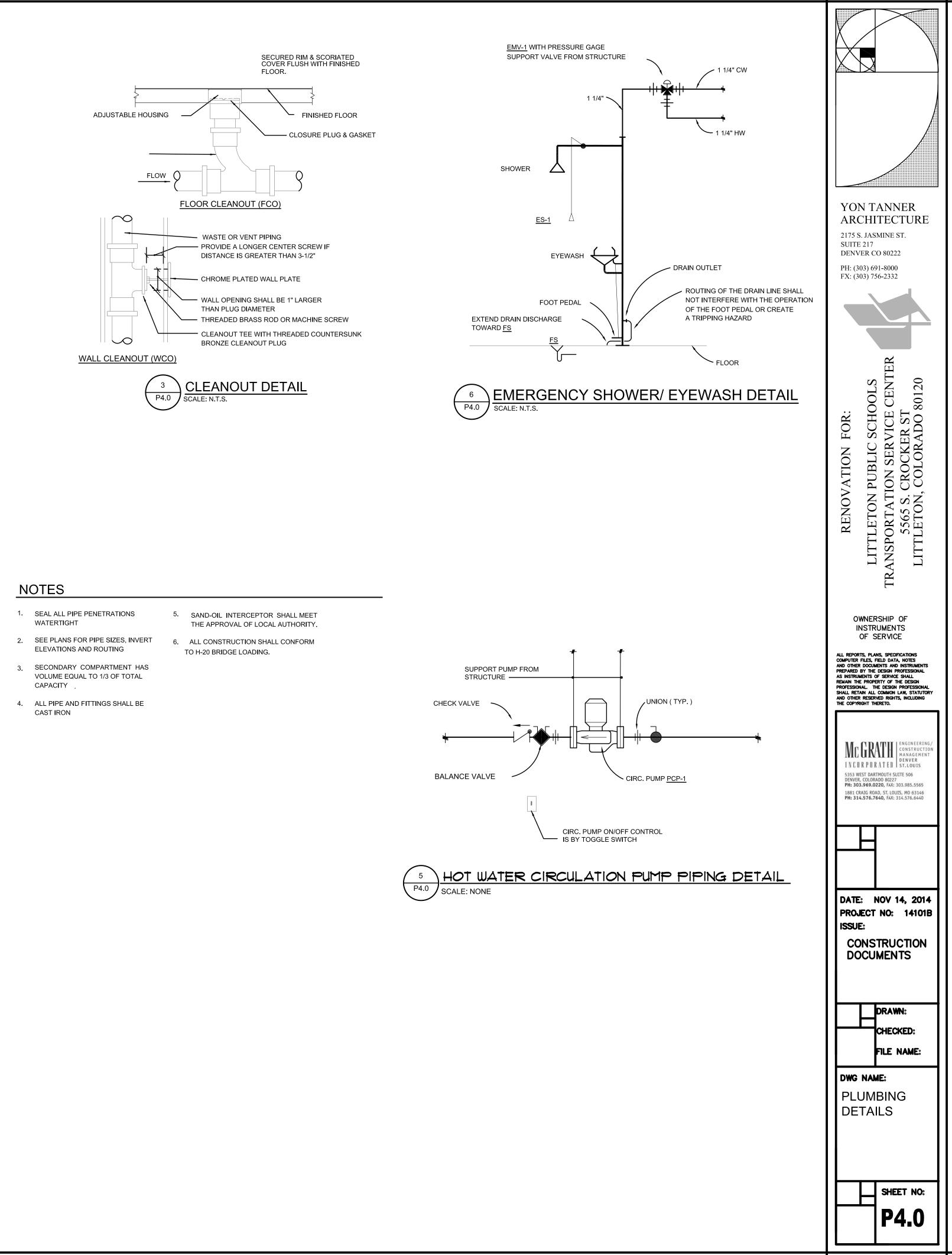
<u>NOTES</u>

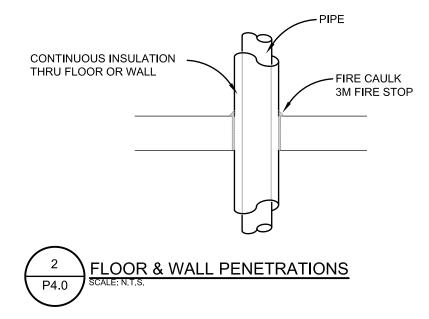
- 1. ATTACH SUPPORTS FOR ALL PIPING SUSPENDED FROM THE
- STEEL STRUCTURE TO THE TOP CORD OF JOISTS OR BEAMS. 2. PROVIDE A CONTINUOUS VAPOR BARRIER SEAL.











CODE	
<u>WC-1</u>	
<u>WC-2</u>	
<u>U-1</u>	
<u>U-2</u>	
<u>L-1</u>	
<u>L-2</u>	
<u>L-3</u>	
<u>L-4</u>	
<u>S-1</u>	
<u>MSB-1</u>	
<u>DF-1</u>	
(1) CxC (2) INSI Z89	UL

	PUMP SCHEDULE											
CODE	MANUFACTURER AND MODEL NO.	SERVICE	PUMP TYPE	MAX. OPER. TEMP. IF	GPM	TOTAL DYNAMIC HEAD (FT.)	MINIMUM HP	RPM	SUCTION SIZE (IN.)	DISCHARGE SIZE (IN.)	CONTROL	ACCESSORIES AND REMARKS
PCP-1	TACO 0011	110. <b>⊮</b> HWC	IN-LINE	125⊡	10	15	1/7	3250	1"	1"	TOGGLE SWITCH	ALL BRONZE

## DI LIMBING EIXTURES & EQUIDMENT SCHEDUI E

					PLUMB	ING F	IXIUR	ES & E	QUIPN	VIENT SCHEI	JULE		
DE	DESCRIPTION	MANUFACTURER	MODEL	VALVE/FAUCET MANUFACTURER	VALVE/FAUCET MODEL	STRAINER	TRAP	SUPPLIES STOPS	SEAT	CARRIER/MOUNTING	MOUNTING HEIGHT FLOOR TO RIM/BUBBLER	MATERIAL, FINISH OR COLOR	REMARKS
<u>-1</u>	WATER CLOSET	ZURN	Z5655-BWL	ZURN		NA	INTEGRAL	NA	BEMIS 1955SSC	FLOOR MOUNTED	15"	VITREOUS CHINA, WHITE	1.6 (MAX) GPF HIGH PERFORMANCE, ELONGATED, FLOOR MOUNTED, FLUSH VALVE.
<u>-2</u>	ADA, WATER CLOSET	ZURN	Z5655-BWL	ZURN		NA	INTEGRAL	NA	BEMIS 1955SSC	FLOOR MOUNTED	16-3/4"	VITREOUS CHINA, WHITE	1.6 (MAX) GPF HIGH PERFORMANCE, ADA, ELONGATED, FLOOR MOUNTED, FLUSH VALVE.
<u>1</u>	URINAL	ZURN	Z5708.205.00	ZURN	ZEG60003EV	NA	INTEGRAL	NA	NA	JOSAM 17810	25"	VITREOUS CHINA, WHITE	.125 (MAX) GPF, ELONGATED, WALL MOUNTED, BATTERY POWERED SENSOR FLUSH VALVE
2	ADA URINAL	ZURN	Z5708.205.00	ZURN	ZEG60003EV	NA	INTEGRAL	NA	NA	JOSAM 17810	17"	VITREOUS CHINA, WHITE	.125 (MAX) GPF, ELONGATED, WALL MOUNTED, BATTERY POWERED SENSOR FLUSH VALVE
-	UNDER COUNTER MOUNTED	ZURN	Z5220	MOEN	L4601	Z8746-PC	17 GA. P-TRAP	CxC 1/2"x3/8"x20"	NA	UNDER COUNTER MOUNTED	36" RE: ARCHITECTURAL	VITREOUS CHINA, WHITE	1 SELF-RIMMING, 20"x17"x7-1/2", SINGLE LEVER FAUCET
	COUNTER MOUNTED	ELKAY	RLR16FB	AMERICAN STANDARD	7400.172	Z8746-PC	17 GA. P-TRAP	CxC 1/2"x3/8"x20"	NA	COUNTER MOUNTED	36" RE: ARCHITECTURAL	18 GAUGE 304 STAINLESS STEEL	SELF-RIMMING ROUND BOWL WITH GOOSENECK & LEVEL HANDLE FAUCET.
-	LAV-DECK	BRADLEY	EXD-2N	AMERICAN STANDARD	7400.172	INTEGRAL	17 GA. P-TRAP	1/2"x1/2"x20"	NA	WALL MOUNTED	31" RE: ARCHITECTURAL	TERRION	(1) WALL MOUNTED (2) STATION LAV-DECK, WITH GOOSENECK & LEVEL HANDLE FAUCET.
	WALL MOUNTED	ELKAY	Z5360	AMERICAN STANDARD	7400.172	INTEGRAL	17/75/204. P-TRAP	1/2"x1/2"x20"	NA	WALL MOUNTED	31" RE: ARCHITECTURAL	VITREOUS CHINA, WHITE	(1) WALL MOUNTED LAVATORY, WITH GOOSENECK & LEVEL HANDLE FAUCET.
-	SINK	ELKAY	LR-2219	DELTA	26C3933	LK-35	17 GA. P-TRAP	1/2"x1/2"x20"	NA	COUNTER MOUNTED	36" RE: ARCHITECTURAL	18 GAUGE 304 STAINLESS STEEL	SINGLE COMPART., SELF-RIMMING, 20"x19"x7-1/2" WITH CENTER DRAIN OUTLET.
<u>3-1</u>	MOP SERVICE BASIN	STERN-WILLIAMS	SBC-1700	DELTA	28T9	DOME	3" CI	NA	NA	NA	36" FLOOR TO FAUCET	TERRAZZO	3 24" X 24" X 12", PROVIDE REINFORCING IN WALL FOR MOUNTING OF FAUCET SUPPORT BRACKET
<u>1</u>	TWO LEVEL ADA DRINKING FOUNTAIN	ELKAY	EDFPBM117RAC	ELKAY	BUBBLER	DOME	17 GA. P-TRAP	CxC 1/2"x3/8"x12"	NA	JOSAM 17550-WCBL	ADA = 36" STANDARD = 41"	18 GAUGE 304	TWO LEVEL DRINKING FOUNTAIN WITH WATER FILTER NSF/ANSI 61
												STAINLESS STEEL	

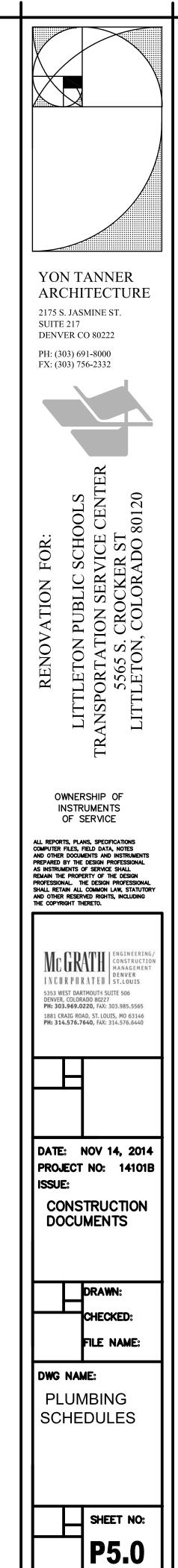
CxC : COMPRESSION BY COMPRESSION SUPPLIES & STOPS

> INSULATE CW & HW SUPPLIES, AND P-TRAP OF LAVATORIES IN ACCORDANCE WITH ADA REQUIREMENTS. ZURN Z8946-3-NT

3 BP - SPLASH PANEL-20GA TYPE 304 STAINLESS STEEL, A-20 ANODIZED ALUMINUM CAP AND 6" DROP FRONT.

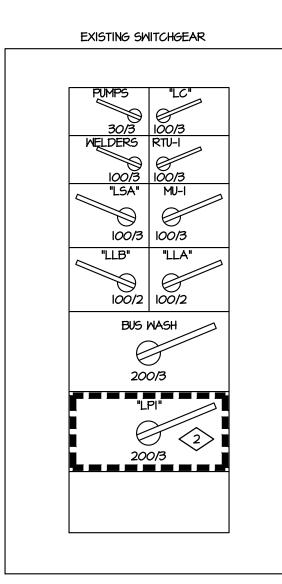
FIXTURE		TRAP AND TRAP ARM SIZE	VENT SIZE	CW SIZE	HW SIZE	TEPID WATER	REMARKS		CC
WATER CLOSETS ( <u>WC</u> )	(FLUSH VALVES)	4"	2"	1"	-				BF
URINALS ( <u>U</u> )	(FLUSH VALVES)	2"	1-1/2"	3/4"	_			_	<u>F</u> [
LAVATORIES ( <u>L</u> )		1-1/2"	1-1/2"	1/2"	1/2"			-	<u>F</u> [
SINKS ( <u>S</u> )		1-1/2"	1-1/2"	1/2"	1/2"			_	<u>F</u> S
MOP SERVICE BASINS ( <u>MSB</u> )		3"	2"	1/2"	1/2"			-	<u>F(</u>
WALL HYDRANT (WH)			_	3/4"				-	G
				0,1				_	w
								_	HE
								-	<u>S</u> A

	PLUME	SING SP	ECIALTIE	S SCHE	DULE	
CODE	DESCRIPTION	MFGR	MODEL/ SERIES	SIZE/ CAPACITY	MATERIAL/ FINISH	REMARKS
<u>BFP-1</u>	ANGLE PATTERN REDUCED PRESSURE ASSEMBLY	FEBCO	825Y	3/4" - 2"	PAINTED STEEL	HORIZ FLOW IN / HORIZ. FLOW OUT
<u>FD-1</u>	FLOOR DRAIN	ZURN	Z415S	SEE DWGS	BRONZE	SQUARE GRATE FINISH AREA
<u>FD-2</u>	FLOOR DRAIN	ZURN	Z505-T-Y	SEE DWGS	BRONZE	GARAGE AREA DRAIN WITH SQUARE TOP ANI SEDIMENT BUCKET
<u>FS-1</u>	FLOOR SINK	ZURN	ZN1900-2	SEE DWGS	A.R.C. CAST IRON	
<u>FCO</u>	FLOOR CLEANOUT	ZURN	ZN1400	SEE DWGS	BRONZE	
<u>GCO</u>	GRADE CLEANOUT	ZURN	ZN1474 ZN1440	SEE DWGS	N/A	
<u>wco</u>	WALL CLEANOUT	ZURN	Z1441	SEE DWGS	S.S. COVER	GAS & WATER TIGHT ABS TAPERED THREAD PLUG
<u>HB-1</u>	HOSE BIBB	WOODFORD	24	3/4"		
<u>SA-A</u>	SHOCK ARRESTOR	SIOUX CHIEF	650	N/A	N/A	4-11 f.u.'s
<u>SA-B</u>	SHOCK ARRESTOR	SIOUX CHIEF	650	3/4"	N/A	12-32 f.u.'s
<u>SA-C</u>	SHOCK ARRESTOR	SIOUX CHIEF	650	1"	N/A	33-60 f.u.'s
<u>WH-1</u>	WALL HYDRANT	WOODFORD	B67	N/A	N/A	
<u>MV-1</u>	MIXING VALVE	LEONARD	TM-80-E	1" x 1-1/4"	BRONZE	
<u>MV-2</u>	MIXING VALVE	SYMMONS	S-210CK	SEE DWG	BRONZE	POINT OF USE AT LAVATORIES
<u>PET-1</u>	PLUMBING EXPANSION TANK	AMTROL	ST-5VC	5 GALLONS	STEEL	ASME
<u>AAV-1</u>	AIR ADMITTANCE VALVE	STUDOR	MINI VENT	1-1/2" - 2"	PVC	
<u>TP-1</u>	TRAP PRIMER	PPP	PR-500-DU-U	1/2"	BRONZE BODY	
<u>TS-1</u>	TRAP SEAL	SURE SEAL	SS2009 SS3000	2" 3"	ELASTOMERIC	
<u>GRV-1</u>	GAS REGULATOR VALVE	ACTARIS	B34R	REFER TO DWG		14 w.c. REDUCED TO 7" w.c.
<u>TD-1</u>	TRENCH DRAIN	ZURN	PDX6	12" W x 38' L	1	2345 STARTING DEPTH 6"
<u>SOI-1</u>	SAND OIL INTERCEPTOR	COPELAND	2000	2000 GALLONS	PRECAST CONCRETE	
<u>DU-1</u>	DISPOSER	ISE	LC-50	120V- 1PH	PRECAST CONCRETE	
<u>ES-1</u>	EMERGENCY SHOWER & EYE/FACE WASH	BRADLEY	S19314AB2ABBA00	22 GPM AT 30 PSI	304 STAINLESS STEEL	
<u>EMV-1</u>	EMERGENCY MIXING VALVE	LEONARD	TM-600LF	22 GPM AT 10 PSI DROP	BRASS	
NOTES: (1 (2 (3)	DUCTILE IRON - SLOTTED GRATE		5 INSTALL TF INSTRUCTI NT 6 DUCTILE IR	ION KIT & SHOVEL H RENCH DRAIN <u>TD-1</u> F ONS. ON - SLOTTED CATC AD CLASS E	PER MANUFACTUR	



°oint #l	- At The	Transforme	r				
	lsc =	13,000					
Point #2	- At the	Main Board	I "MDC"				
	f =	[1.732	X length	х	lsc(pre∨)] / [# runs	X wire factor	X voltage]
	= 1 = 1	1.732 0.037	X 25	Х	13 <i>,000 /</i> 3	X 24,296	X 208
	M =	I/(I+F)					
	M =	0.964					
		lsc(prev) x	м				
	lsc =	12,535					
⁹ 0int #3	- At Par	nel "LC"					
	f =	[1.732	X length	x	lsc(prev)] / [# runs	X wire factor	X voltage]
	f =	1.732	x 40	Х	12,535 / I		X 208
	f =	0.573					
	M =	I/(I+F)					
	M =	0.636					
	lsc =	lsc(prev) x	м				
	lsc =	1,971					
² oint #4	- At Pa	nel "LD"					
	f =	[1.732	X length	х	lsc(prev)] / [# runs	X wire factor	X voltage]
	f =	1.732	X 35	X	12,535 / I		X 208
	f =	0.284					
	M =	I/(I+F)					
	M =	0.779					
	lsc =	lsc(prev) x	M				
	lsc =	9,759					

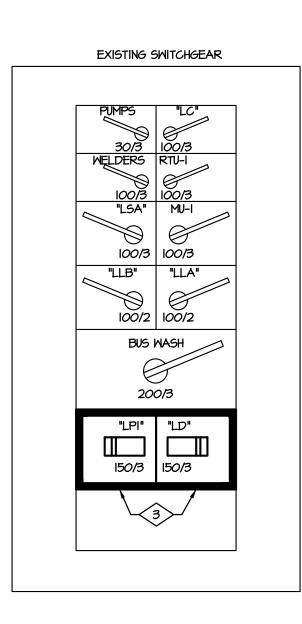
DESCRIPTION	SYMBOL
DOOR CONTACT	Þđ
CARD READER	দে
TWO-WAY SPEAKER/ANALOG CLOCK COMBO UNIT - (1) CAT5e	୧୦୦
SURFACE MOUNT IP POE 2.5" 6 DIGIT DIGITAL CLOCK - (1) CAT5e	ହ
POWER POLE	99
MOTION DETECTOR	Ж
PROJECTOR - (1) CAT5e	Ø
OUTDOOR HORN - (1) CAT5e	E ⊞K
SECURITY CAMERA, (I) CAT6	Ř
SECURITY CAMERA, CORNER MOUNT, AXIS M3025 - (I) CAT6	<b>□</b> ^a
SECURITY CAMERA, PENDANT MOUNT, AXIS M3025 - (I) CAT6	Δ _δ
SECURITY CAMERA, CEILING MOUNT, AXIS P3354 - (I) CAT6	°2
SECURITY CAMERA, CEILING MOUNT, SONY SNC-EM601 - (1) CAT6	
SECURITY CAMERA, WALL MOUNT, AXIS M3006 - (I) CAT6	
SECURITY CAMERA, PENDANT MOUNT, AXIS P3364-VE - (I) CAT6	<b>₽</b> [±]
SECURITY CAMERA, CORNER MOUNT, AXIS P3367-VE - (I) CAT6	<b>□</b> ^g
WALL PHONE - (1) CAT5e	
DATA - (I) CAT5e	V
VOICE/DATA - (2) CAT5e, 2 GANG BOX, I GANG MUD RING, I" C.	$\mathbf{V}^{2a}$
VOICE/DATA - (2) CAT5e, 2 GANG BOX, 2 GANG MUD RING, (2) I" C.	<b>V</b> ^{2b}
VOICE/DATA - (4) CAT5e, 2 GANG BOX, 2 GANG MUD RING, (2) I" C.	$\mathbf{V}^4$
WIRELESS ACCESS POINT - (1) CAT50	Ø
SURFACE MOUNT IP SPEAKER - (1) CAT50	© [⊮]
ONE-WAY IP SPEAKER - (I) CAT5e	୭⊮
ANALOG SLAVE SPEAKER	6



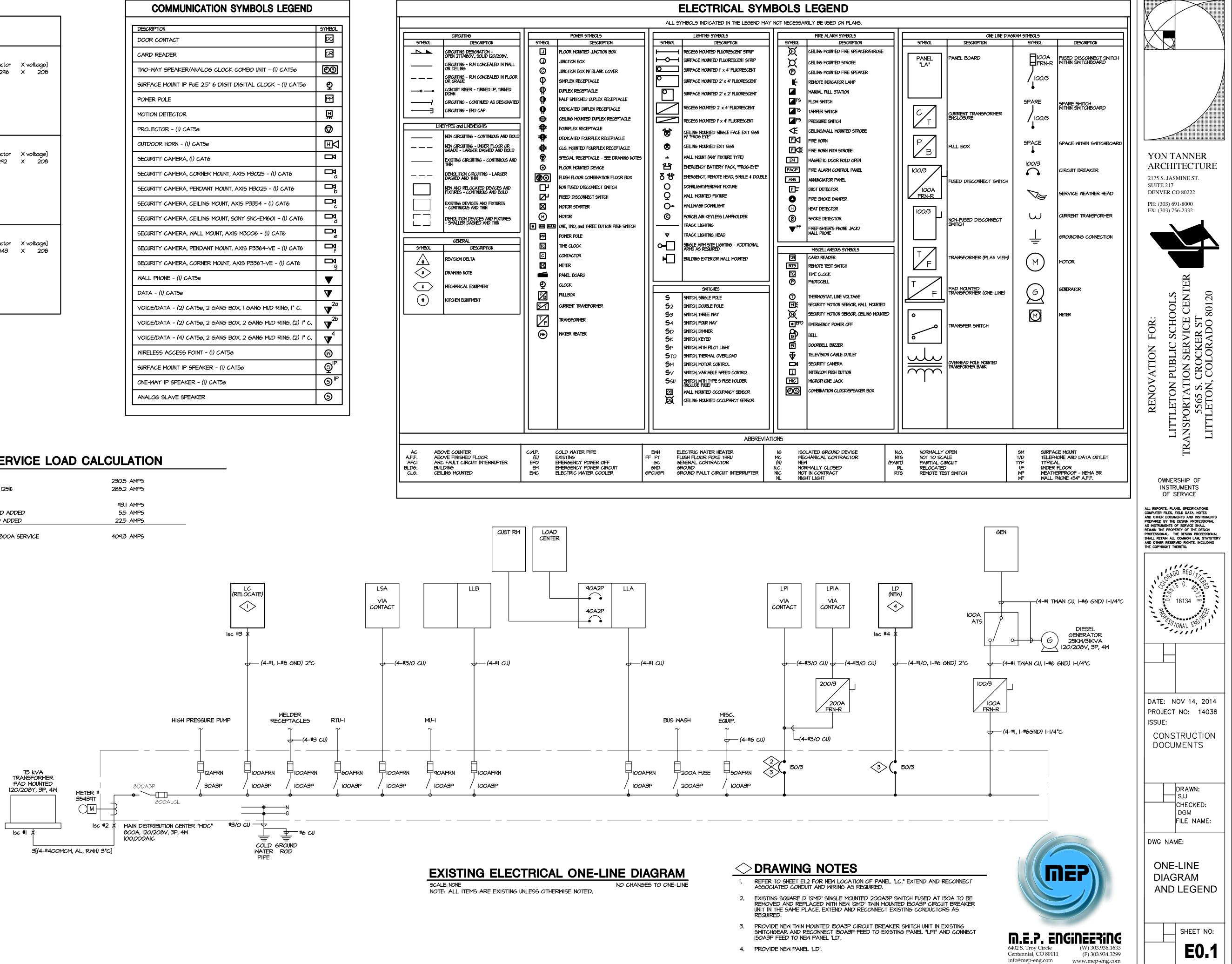
## **800A SERVICE LOAD CALCULATION**

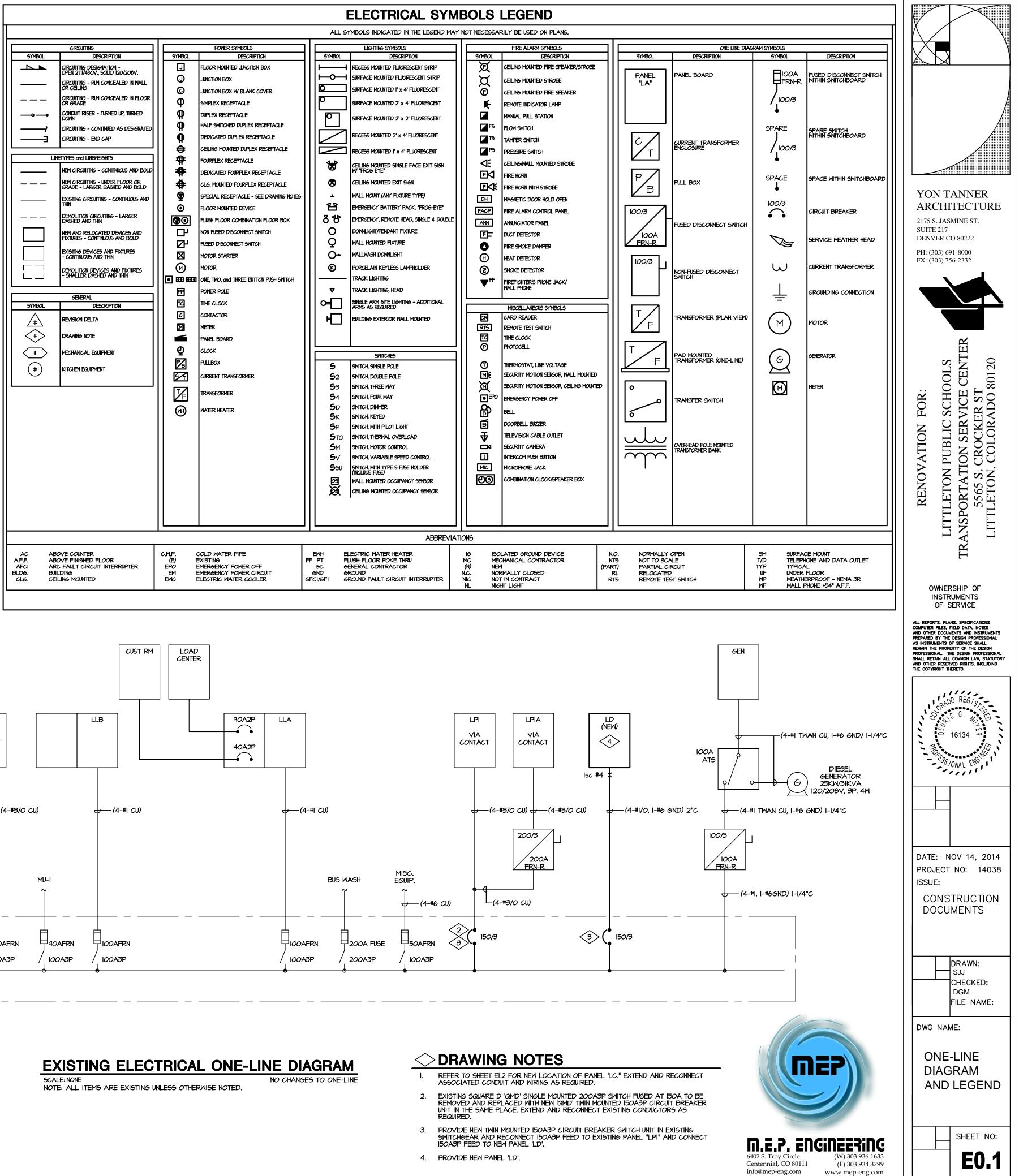
PEAK DEMAND	230.5 AMPS
PEAK DEMAND @ 125%	288.2 AMPS
NEW PANEL "LD"	93.1 AMPS
PANEL "GEN" LOAD ADDED	5.5 AMPS
PANEL "LC" LOAD ADDED	22.5 AMPS
TOTAL LOAD ON 800A SERVICE	409.3 AMPS

## DEMOLITION SWITCHGEAR DIAGRAM



## NEW SWITCHGEAR DIAGRAM





	PANEL GEN	(EX	(ISTING)	-	V	OLTAGE	120	_ /	208	V	3	ø	4	W			
	FLUSH	MAIN		_		MLO	х	_									
	SURFACE X	BUS	250/3	-	FEED	THRU			-	A.I.C.	10,000	)					
TYPE	DESCRIPTION	BKR	CIR	LOAD (VA/ø) CIR							BKR		ON	TYPE			
				A	ø	В	ø	с	ø								
М	BAY DOOR #7	20	1	696	250					2	20	METSY	S PANEL		6		
М	BAY DOOR #6	20	3			696	1024			4	20	OFFIC	e lights		L		
М	BAY DOOR #I	20	5					696	800	6	20	gen B	LOCK HEATER	ર	G		
М	BAY DOOR #2	20	7	696	800					8	20	GEN B	ATT. CHARGE	R	G		
G	FUEL ISLAND	50	9			2500	180			10	20	TELE.	OUTLET		R		
G	-	2	11					2500	180	12	20	TELE.	OUTLET		R		
L	EM LIGHTS	30 /	13	1440	180					14	20	TELE.	OUTLET				
L	-		15			1440	0			16	20	SECUR	ITY SYSTEM				
L	-	/ 3	17					1440	2500	18	90 /	PANEL	'0'		G		
L	BAY LIGHTS SE	SHTS SE 20 19 1600 2500						20 / 2		-		G					
L	BAY LIGHTS SE	20	21			1600	528	0	528	22 24	20	FRONT	GATE		M		
	SPARE	20	23								20	FRONT	GATE		М		
	SPARE	20	25	0	250					26	20	SECUR	ITY DVR		G		
	SPARE	20	27			0	0			28	20	SPARE					
	SPARE	20	29					0	0	30	20	SPARE					
	SPARE	20	31	0	0					32	20	SPARE					
	SPARE	20	33			0	0			34	20	SPARE					
	SPARE	20	35					0	0	36	20	O SPARE					
	SPARE	20	37	0	0					38	20	SPARE					
G	MDF REC.	20 /	39			500	500			40	20 /	MDF R	EC		G		
G	-	2	41					500	500	42	/ 2	-			G		
				8412		8968		9644									
	LOAD	) TYPE	CON	NECTE	D KVA	TO	TAL	FAC	TOR	DE	MAND	KVA	TOTAI	L			
			Aø	Bø	Cø	ALL 9	ø's			Aø	Bø	Cø	ALL ø'S	;			
	LIGHTING/CONTIN	IUOUS	3.0	4.1	1.4	8.5		125%		3.8	5.1	1.8	10.7				
	RECEPTACLE (10	KVA OR LESS)	0.2	0.2	0.2	0.5		100%		0.2	0.2	0.2	05				
	RECEPTACLE (OV	/ER 10KVA)	0.0	0.0	0.0	0.0		100%		0.0	0.0	0.0	0.0		1		
	HVAC/MOTOR		0.7	0.5	0.5	1.7		100%		0.7					1		
	MOTOR(LARGEST)	1	0.7 0.7 0.7 2.1 125% 0.9 0.9						0.9	2.6		1					
	KITCHEN EQUIPM						0.0 0.0			1							
	MISCELLANEOUS		3.8	3.5	6.8	14.1		100%		3.8	3.5	6.8	4.		1		
		TOTAL KVA		9.0	9.6	27.0			TOTAL KVA 9.3 10.2 10.2 29.7					1			
			0.4	1.0	1.0	21.0	то	-							-		
							iC	TAL AM	IPERES	77.9	84.7	84.8	84.8		-		

* CIRCUIT REVISED THIS CONTRACT.

TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	MOUNTING	LAMPS
A	Acuity Lithonia	26TL4 LP840	2' X 4' LED TROFFER	RECESSED	LED 4000K
	HALO (OR EQUAL)	SLD4	4" RECESSED DOWNLIGHT	RECESSED	15W LED 3000K
-	INTER-LUX (OR EQUAL)	(SCHMITZ) 35505.25	65" LINEAR FLUORESCENT VANITY FIXTURE PROVIDE WITH END CAPS	WALL	(2) 39W T5 4000K
	ACUITY LITHONIA	LBP4 LP840	LED WRAPAROUND I' X 4'	CEILING	LED 4000K
	METALUX (OR EQUAL)	2-SNLED-21-UNV-LW-L835-CD	LINEAR LED SURFACE STRIP	CEILING	24W LED 3500K
x	ACUITY LITHONIA	LQMSWBGELN	LED EXIT SIGN PROVIDE 90-MIN BATTERY BACKUP GREEN LETTERING	CEILING	LED

PANEL "LC"	(RELOC	ATED)		V	OLTAGE	120	/	208	V	3	ø	4	W				PANEL	"LD"		(NEW)	_	V	OLTAGE	120	. /	208	V	3	ø	4	W
FLUSH X	MAIN				MLO	х											FLUSH		MAIN		_		MLO	x	_						
SURFACE	BUS_			FEED	THRU				A.I.C.	10,000	>		_				SURFACE	X	BUS	150/3	-	FEED	) Thru			-	A.I.C.	10,000	>		-
PE DESCRIPTION	BKR	CIR			LOAD	(VA/ø)			CIR	BKR		DESCRIPT	ΓΙΟΝ	TYPE		TYPE	DESCR	RIPTION	BKR	CIR			LOAD	(VA/ø)			CIR	BKR		DESCRIPT	ION T
			Α	ø	В	ø	С	ø														ø	В	ø	с	ø					
KITCHEN REC	20	1	180	366					2	1	LGTS			L	*	G	ACCU-I		30 /	1	2340	5784					2	60 /	RTU-2		
KITCHEN REC	20	3			180	584			4		LGTS			L	*	G	-			3			2340	5784			4		-		
PHONE/TRNG REC	20	5					1260	720	6		RR, CO			R	*	G	-		3	-					2340	5784	6	<u> </u>	• <u>-</u>		
TRNG WALL REC	20	7	720	720					8		OFFICE			R	*		EF-I/EF-2		20	7	1056	540					8			1 105,106	
	20	9			180	720	1524	102.0	10		OFFICE			R	*		PCP-I		20	9			528	0	24.0	_	10		SPARE		
TRNG LTG	20 20	11 13	360	720			1556	1080	12 14		OFFICE			R R	*	ĸ	ROOF RECE	EPTACLE	20 20	11 13	0	0			360	0	12 14		SPARE SPARE		
COPIER OFFICE	20	15	560	120	1250	540			14	1	OFFICE			R	*		SPARE		20	15			0	0			16		SPARE		
GEN OFFICE REC	20	17			12.50	570	540	250	18			ng fountai	N	G	*		SPARE		20	17				0	0	0	18	-	SPARE		
ROOF REC	20	19	540	180			010	200	20		READY			R	*		SPARE		20	19	0	0					20		SPARE		
VENDING REC	20	21	0.0		1500	0			22		SPARE						SPARE		20	21			0	0			22	20	SPARE		
	20	23				-	0	0	24		SPARE			-			SPARE		20	23			-	-	0	0	24		SPARE		
SPARE	20	25	0	0					26		SPARE						SPACE			25	0	0					26		SPACE		
SPARE	20	27			0	0			28	20	SPARE						SPACE			27			0	0			28		SPACE		
SPARE	20	29					0	0	30	20	SPARE						SPACE			29					0	0	30		SPACE		
SPARE	20	31	0	0					32	20	SPARE										9720		8652		8484						
SPARE	20	33			0	0			34		SPARE							LOAD TYP	E	CON	NECTE	D KVA	TO	TAL	FAC	TOR	DE	EMAND	KVA	TOTA	NL
SPARE	20	35					0	0	36	20	SPARE			_						Aø	Bø	Cø	ALL Ø	ø'S			Aø	Bø	Cø	ALL ø'	S
SPACE		37	0	0					38		SPACE			_				CONTINUOUS	5	0.0	0.0	0.0	0.0		125%		0.0	0.0	0.0	0.0	
SPACE		39			0	0			40		SPACE							LE (10KVA			0.0	0.4	0.9		100%		0.5	0.0	0.4	0.9	
SPACE		41	270/		1051		0	0	42		SPACE							•													
		l	3786		4954		5386											LE (OVER 1	UKVA)	0.0	0.0	0.0	0.0		100%		0.0	0.0	0.0	0.0	
LOAD TYPE		CON	NECTE	D KVA	TO		FAC	TOR	DE	MAND	KVA	TOTA					HVAC/MOT			1.0	0.5	0.0	1.5		100%		1.0	0.5	0.0	1.5	
		Aø	Bø	Cø	ALL Ø	o'S			Aø	Bø	Cø	ALL ø'	S	_			MOTOR(LA	RGEST)		5.8	5.8	5.8	17.4		125%		7.3	7.3	7.3	21.8	
LIGHTING/CONTINUOUS		0.4	0.6	1.5	2.5		125%		0.5	0.7	1.9	3.1					KITCHEN E	EQUIPMENT		0.0	0.0	0.0	0.0		100%		0.0	0.0	0.0	0.0	
RECEPTACLE (10KVA OR	LESS)	3.3	1.6	3.3	8.3		100%		3.3	1.6	3.3	8.3	;				MISCELLAN	NEOUS		2.3	2.3	2.3	<b>7.</b> 0		100%		2.3	2.3	2.3	7.0	
RECEPTACLE (OVER 10KV	/A)	0.1	0.0	0.3	0.4		100%		0.1	0.0	0.3	0.4						Т	OTAL KVA	9.7	8.7	8.5	26.9		тот/	AL KVA	11.2	10.1	9.9	31.2	
HVAC/MOTOR		0.0	0.0	0.0	0.0		100%		0.0		0.0	0.0		1												IPERES				93.1	
MOTOR(LARGEST)		0.0	0.0	0.0	0.0		125%		0.0	0.0		0.0		1			LEGEN	יי- יו חו	IGHTING	<b>1</b> 2 - 1	RECEPT		M = H				= KITCł			CELLANEO	
· · ·														-						K - 1			ы <b>-</b> п					۲ اعد:	0 - mis		~
		0.0	0.0	0.0	0.0		100%		0.0		0.0	0.0		-				1													
MISCELLANEOUS		0.0	2.8	0.3	3.0		100%		0.0			3.0		-																	
TOTAL	L KVA	3.8	5.0	5.4	4.		TOTA		3.9	5.1	5.8	14.7	1	_																	
						TO	TAL AM	IPERES	32.3	42.5	48.1	48.1	I																		

* CIRCUIT REVISED THIS CONTRACT.

MECHANICAL EQUIPMENT SCHEDULE												
DESIGNATION	DESCRIPTION	VOLTAGE	PH	HP	kVA	FLA (MCA)	CONDUCTORS	CONDUIT	SWITCH	СВ	FUSE SIZE/TYPE	REMARK
RTV-2	ROOF TOP UNIT	208	3	15		(48.2)	4-#6;  -#IO GND	"	60A3P	60/3	60A FRN-R	l
EF-I	EXHAUST FAN	120	I	1/6			3-#12; 1-#12 GND	I/2"	STO	20/1		3
EF-2	EXHAUST FAN	120	I	1/6			3-#12; 1-#12 GND	I/2"	STO	20/1		4,5
ACCU-I	SPLIT SYSTEM	208	3			(19.5)	3-#10; 1-#12 GND	3/4"	30A3P	30/3	30A FRN-R	2
AC-I		208	3									2
PCP-I	PUMP	120	1	1/6			3-#12; 1-#12 GND	I/2 <b>"</b>	STO	20/1		

I. UNIT REQUIRES DUCT DETECTOR. PROVIDED BY EC, INSTALLED BY MC.

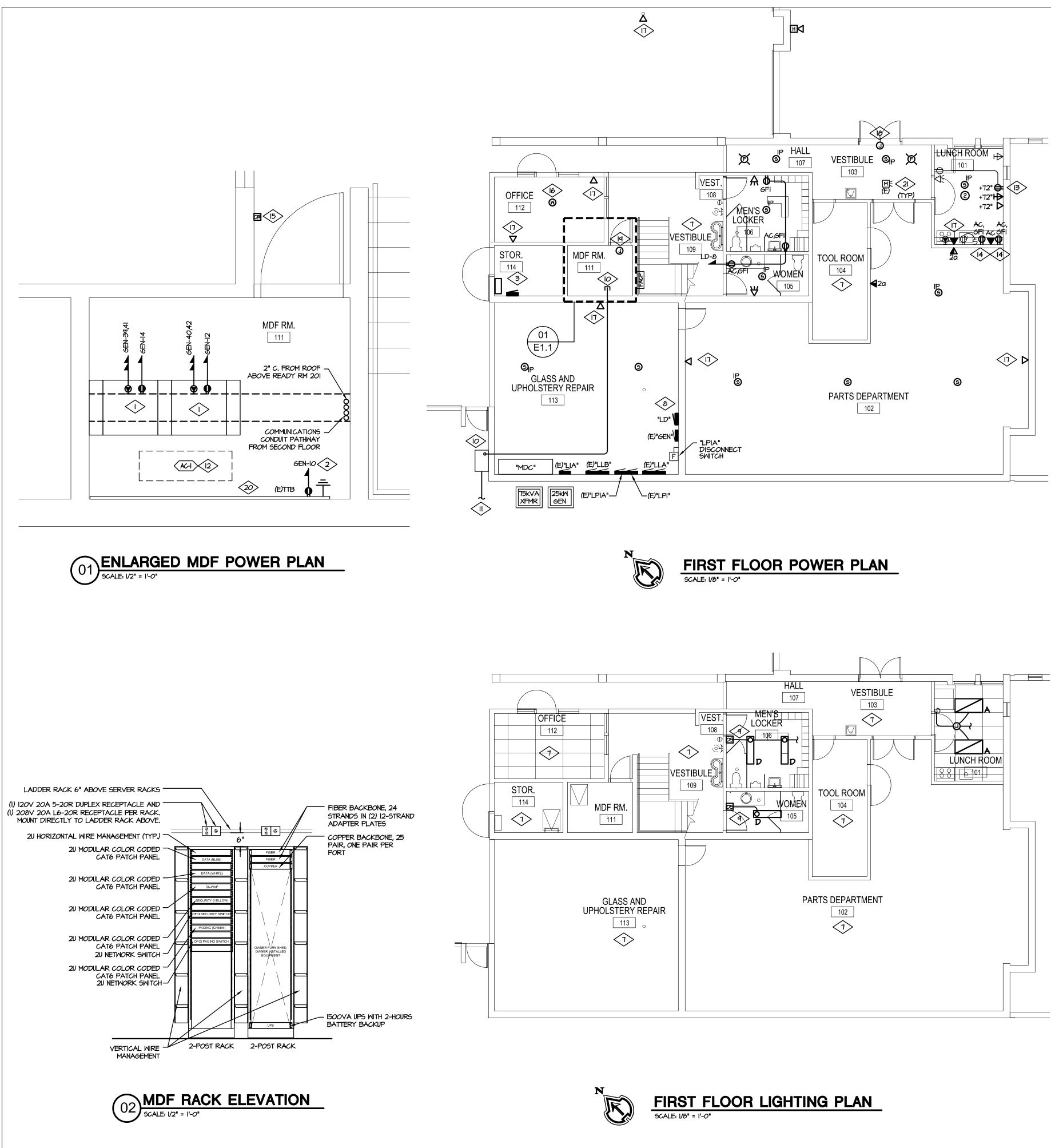
3. INTERLOCK WITH RTU-2. 4. INTERLOCK WITH MOTORIZED CONTROL DAMPERS. RE: MECH.

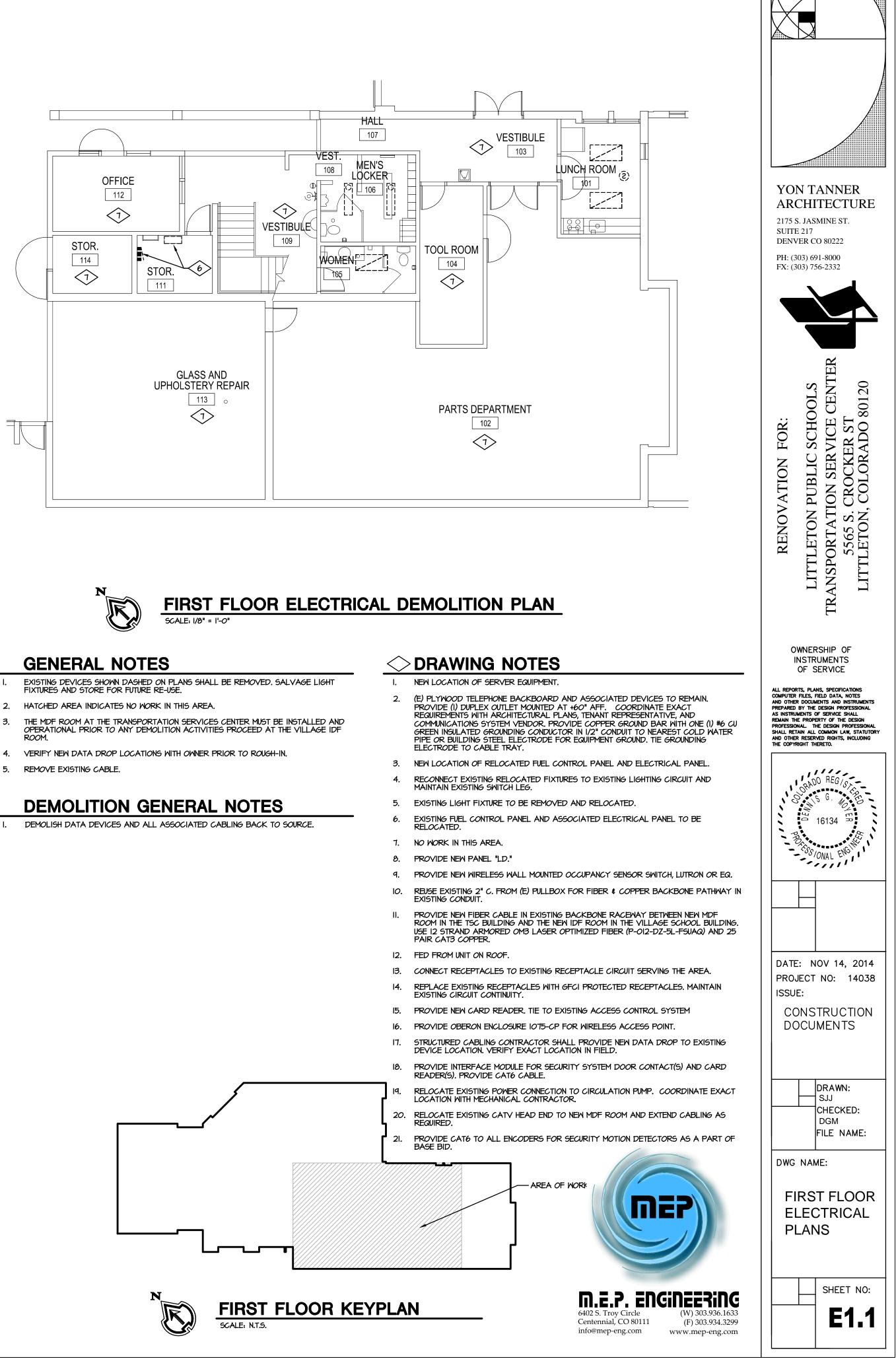
5. CONTROLLED VIA WALLSWITCH, RE: MECH

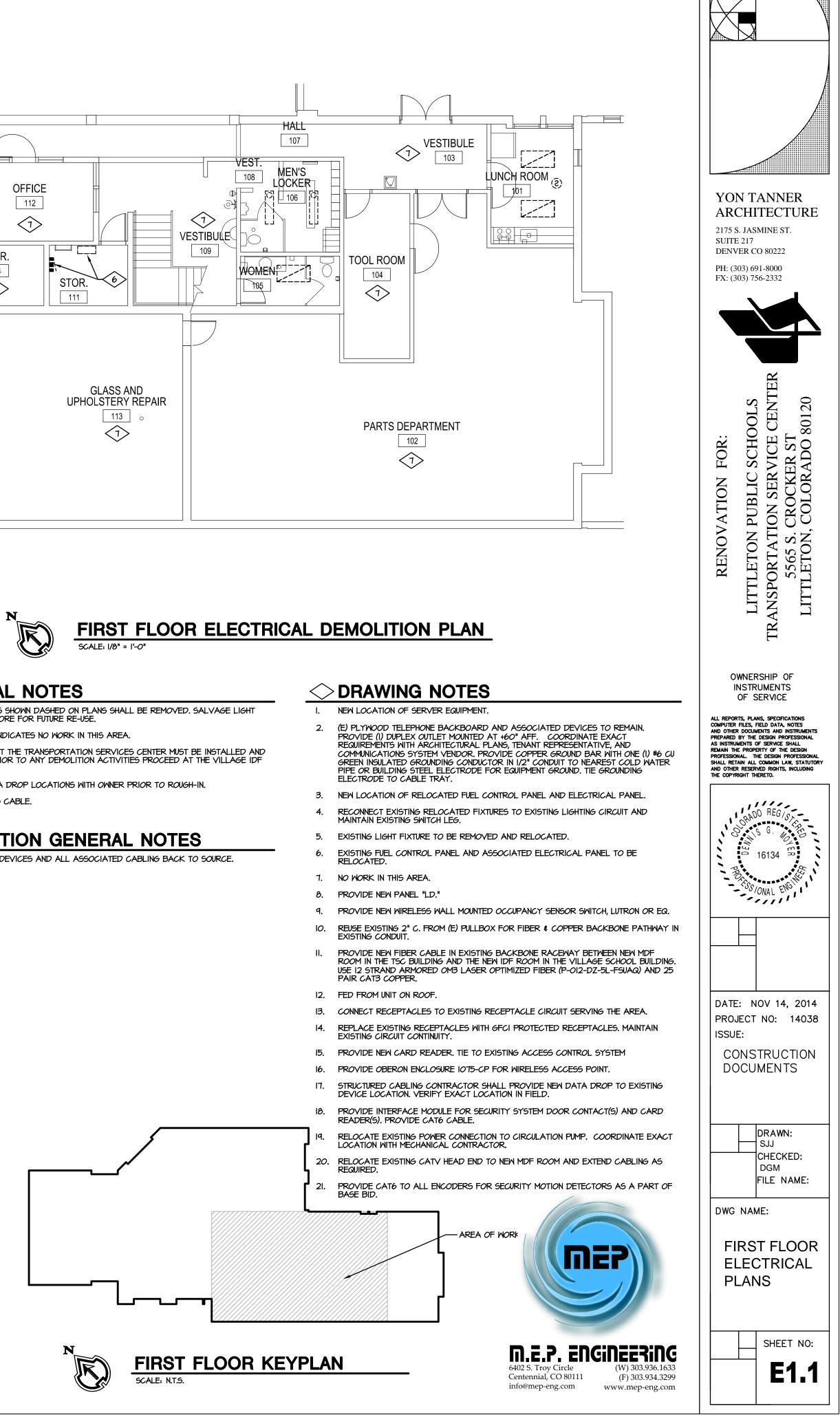
2. SINGLE POINT OF CONNECTION AT OUTDOOR UNIT. COORDINATE ELECTRICAL CABLING BETWEEN UNITS WITH MECHANICAL. PROVIDE CABLING AS REQUIRED.



YON TANNER
ARCHITECTURE 2175 S. JASMINE ST. SUITE 217 DENVER CO 80222 PH: (303) 691-8000 FX: (303) 756-2332
RENOVATION FOR: LITTLETON PUBLIC SCHOOLS TRANSPORTATION SERVICE CENTER 5565 S. CROCKER ST LITTLETON, COLORADO 80120
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DATE: NOV 14, 2014 PROJECT NO: 14038 ISSUE: CONSTRUCTION DOCUMENTS
DRAWN: SJJ CHECKED: DGM FILE NAME: DWG NAME: ELECTRICAL SCHEDULES
SHEET NO: E0.2



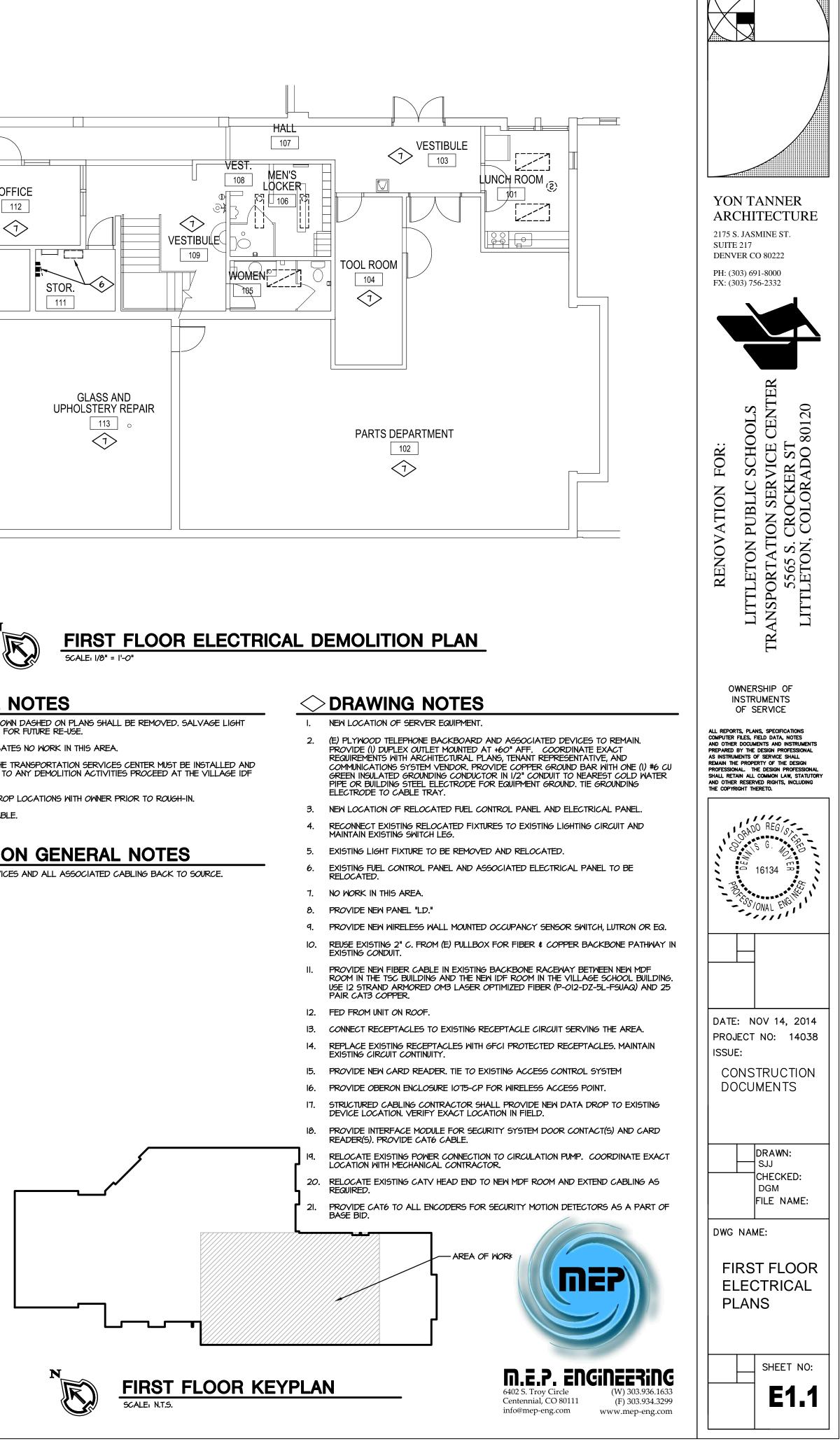




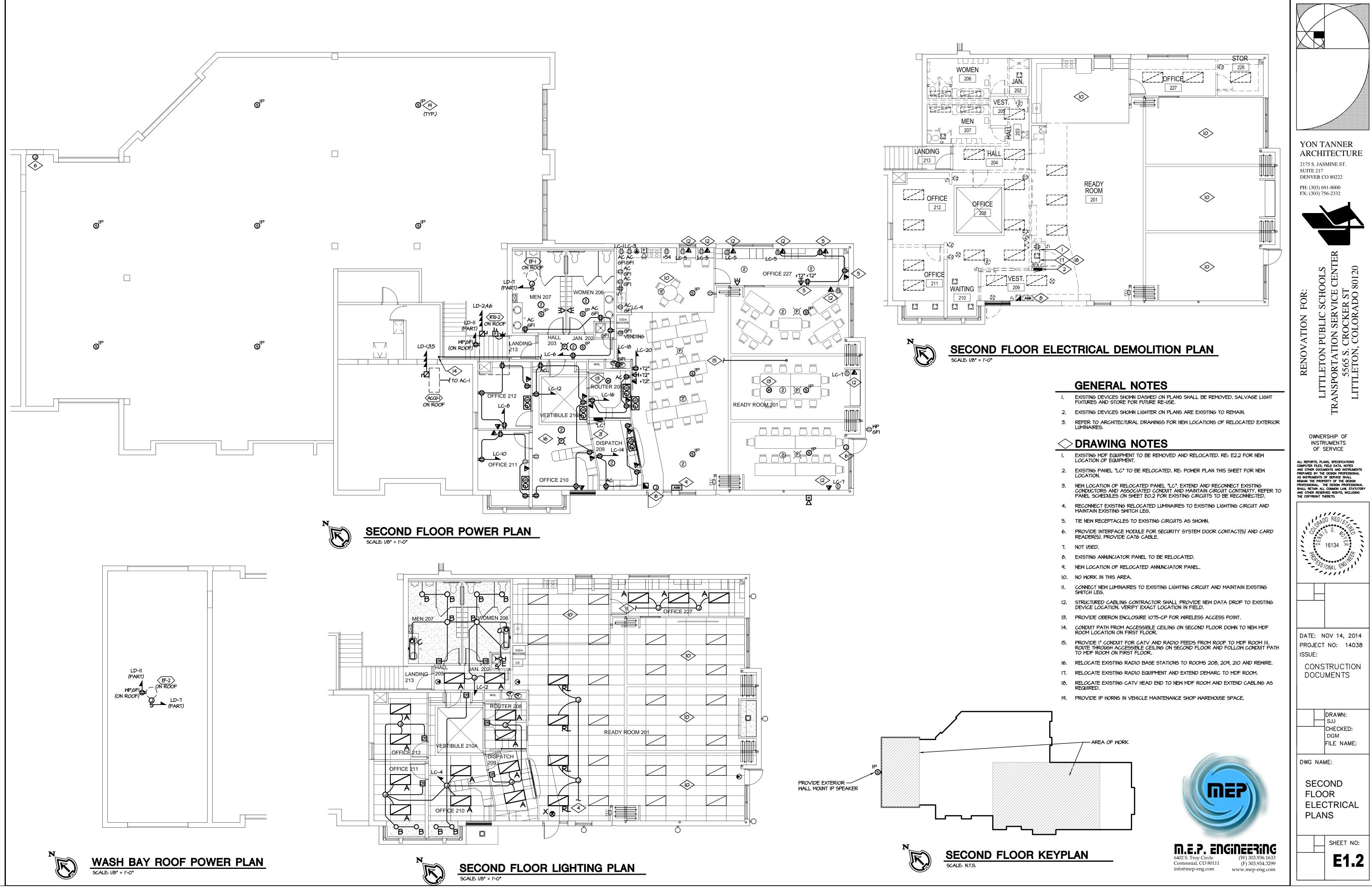
- 2.

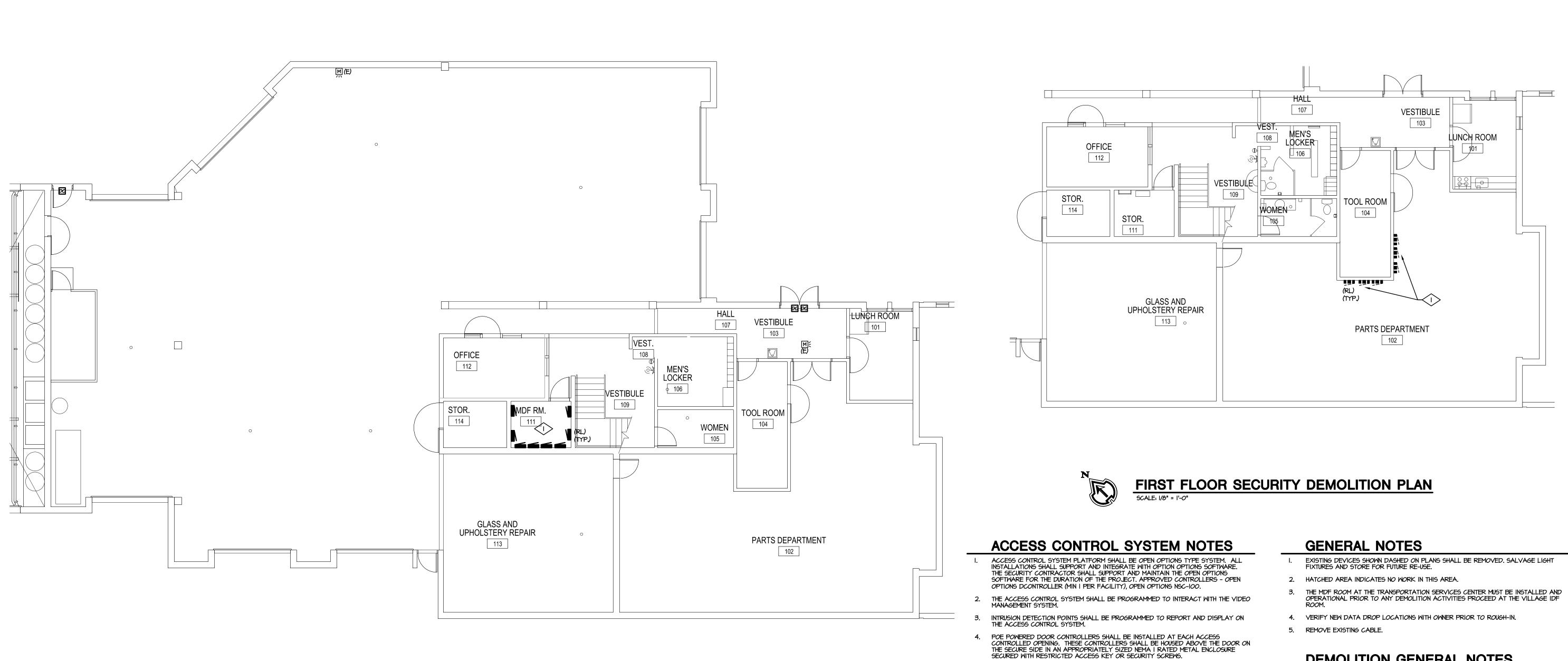
- 5.

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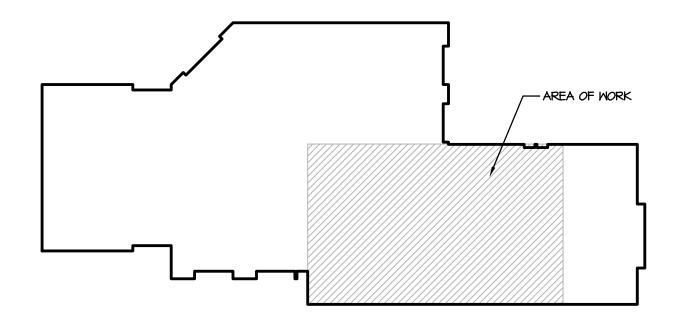








- CARD READERS SHALL BE APPROVED BY LPS SECURITY DIRECTOR. READERS SHALL BE MULTI-TECHNOLOGY TYPE READERS FOR BOTH 125KHz AND 13.56MHz. ALL CARD READERS SHALL INCLUDE INTEGRAL KEYPAD. ALL NEW ACCESS CARDS SHALL BE 5. COMPATIBLE WITH 13.56MHz FREQUENCY RANGE.
- 6. ALL ACCESS CONTROLLED DOORS SHALL INCLUDE DOOR POSITION SWITCHES. MULTI-DOOR OPENINGS WITHIN A SINGLE FRAME SHALL HAVE A DOOR POSITION SWITCH ON EACH LEAF WIRED IN SERIES.





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- - OPERATIONAL PRIOR TO ANY DEMOLITION ACTIVITIES PROCEED AT THE VILLAGE IDF

## **DEMOLITION GENERAL NOTES**

I. DEMOLISH DATA DEVICES AND ALL ASSOCIATED CABLING BACK TO SOURCE.

I. RELOCATE (II) EXISTING LOW VOLTAGE/SECURITY PANELS TO NEW MDF ROOM.

ME5

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Centennial, CO 80111

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## FIRST FLOOR KEYPLAN

