

UTAH NATIONAL GUARD

RTI CLASSROOMS

NEW MODULAR CLASSROOMS

DRAPER, UTAH

JUNE 2010



State of Utah - Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

4110 State Office Building / Salt Lake City, Utah 84114 / 538-3018

ajc PROJECT NO. 1031

CAMP WILLIAMS

DRAWING PHASE:
CONSTRUCTION DOCUMENTS
UNITS 13,14,15,16
DFCM PROJECT # 10178480

PREPARED BY:

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CONSTRUCTION DOCUMENT SUBMITTAL
APPROVALS: REVIEW SET

Prime Agency _____	Date _____
DFCM _____	Date _____

APPROVAL DOES NOT RELIEVE A/E OF DESIGN LIABILITY

DRAWING INDEX:

GI001	COVER SHEET
C101	UTILITY PLAN
C501	UTILITY DETAILS
C502	UTILITY DETAILS
AE001	GENERAL NOTES AND ABBREVIATIONS
AE002	CODE SUMMARY, LOCATION MAP, DEFERRED SUBMITTALS & SPECIAL INSPECTIONS
AS101	EXISTING CONDITIONS/ SITE PREP PLAN
AS102	NEW CONSTRUCTION SITE PLAN
AE101	FLOOR PLAN 14 & 16, REFLECTED CEILING PLAN, POWER PLAN, FOOTING AND FOUNDATION LAYOUT AND MATERIAL GUIDE
AE102	FLOOR PLAN 13 & 15, REFLECTED CEILING PLAN, POWER PLAN, FOOTING AND FOUNDATION LAYOUT AND MATERIAL GUIDE
AE103	RAMP PLAN, SECTIONS AND DETAILS
AE501	DETAILS
E-101	ELECTRICAL SITE PLAN AND NOTES
E-601	ELECTRICAL DIAGRAMS, AND DETAILS



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R.T.I. CLASSROOMS
13,14,15,16
CAMP WILLIAMS
DRAPER, UTAH

SHEET NAME:

COVER SHEET

REVISIONS

MARK	DATE	DESCRIPTION
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ISSUE DATA

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SHEET 1 OF 14



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R.T.I. CLASSROOMS
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CAMP WILLIAMS
DRAPER, UTAH

SHEET NAME:

UTILITY PLAN

REVISIONS

MARK	DATE	DESCRIPTION

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C101
SHEET 2 OF 13



- UTILITY NOTES:**
- CONTRACTOR IS RESPONSIBLE FOR ALL UTILITIES SHOWN OR NOT SHOWN.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PUBLIC SAFETY AND OSHA STANDARDS AT AND ADJACENT TO CONSTRUCTION SITE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIGGING PERMITS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR CARE OF ALL CONSTRUCTION STAKES.
 - ALL WATERLINES SHALL BE MINIMUM 48" BELOW FINISHED ASPHALT TO TOP OF PIPE.
 - CONTRACTOR SHALL CONFORM TO THE STATE OF UTAH "RULES FOR PUBLIC DRINKING WATER SYSTEMS", R309, SECTION HORIZONTAL SEPARATION, PRESSURE AND LEAKAGE TESTING, SEALING OF PIPE JOINTS AND ENDS, AIR RELIEF AND VALVES.
 - CONTRACTOR TO INSTALL TRACER WIRE ON ALL WATER LINE INSTALLATIONS INCLUDING LATERALS.
 - ALL SEWER CONSTRUCTION SHALL COMPLY WITH THE PROJECT STANDARDS AND SPECIFICATIONS.
 - SEWER LINES AND LATERALS SHALL BE SDR-35 PVC
 - ALL VALVES AND MANHOLE LIDS SHALL BE ADJUSTED TO FINISH GRADE, AND CONCRETE COLLARS INSTALLED.
 - CONTRACTOR TO STAKE AND FIND ALL UTILITIES. POT HOLE ALL UTILITIES TO DETERMINE IF CONFLICT EXISTS. NOTIFY ENGINEER IMMEDIATELY IF CONFLICT EXISTS. ENGINEER IS NOT RESPONSIBLE FOR LOCATION AND DEPTH OF EXISTING UTILITIES.
 - CONTRACTOR RESPONSIBLE FOR ALL DAMAGE DUE TO CONSTRUCTION. PROTECT ALL EXISTING STREET IMPROVEMENTS.
 - LOCATION OF EXISTING UTILITIES ARE APPROXIMATE. NOT ALL UTILITIES MAY BE SHOWN, AND LOCATIONS WHERE SHOWN MAY BE INACCURATE.
 - CONTRACTOR TO PATCH AND REPAIR ALL ASPHALT REMOVED DUE TO NEW UTILITY WORK.
 - INSTALL WATER AND SEWER LATERALS TO CONNECT TO PORTABLE BUILDING PLUMBING.
 - VERIFY LATERAL LOCATIONS WITH BUILDING PLUMBING PLANS.
 - TV ALL NEW SEWER LINES FOR DEBRIS AND ENSURE PROPER SLOPE PRIOR TO SEALING. ALL DEBRIS TO BE CLEARED.
 - CONTRACTOR TO POTHOLE AND VERIFY EXISTING SEWER DEPTHS AND LOCATIONS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY IF PROBLEMS EXIST.
 - ALL SANITARY SEWER CONSTRUCTION SHALL COMPLY WITH SOUTH VALLEY SEWER DISTRICT'S DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS.
 - FOUR FEET OF COVER WILL BE REQUIRED OVER ALL SEWER LINES.
 - CONSTRUCTION TO CONFORM TO THE FOLLOWING APWA (LATEST EDITION) TABLE:

21.1. ASPHALT CONCRETE "T" PATCH	ASTM 255 TYPE A
21.2. CONCRETE PAVEMENT PATCH	ASTM 256, 261 TYPE D
21.3. TRENCH BACKFILL	ASTM 381
21.4. PIPE ZONE BACKFILL	ASTM 382 TYPE B
21.5. SEWER LATERAL CONNECTION	ASTM 431
21.6. WATERLINE LOOP	ASTM 542
 - CONTRACTOR SHALL PROVIDE SURVEYED ELEVATIONS ON ALL EXISTING AND NEWLY INSTALLED SANITARY SEWER MANHOLES AND CLEANOUTS IDENTIFIED ON THIS PLAN TO THE ENGINEER FOR INCORPORATION INTO THE RECORD DRAWINGS. CONTRACTOR SHALL OBTAIN EXISTING BENCHMARK INFORMATION FROM CAMP WILLIAMS AND PROVIDE IT TO THE ENGINEER FOR INCORPORATION INTO THE RECORD DRAWINGS.

DASHED LINE INDICATES LIMITS OF CONSTRUCTION UNLESS NOTED TO BE CONSTRUCTED THIS PHASE - ALL WORK REQUIRED TO PROVIDE AND INSTALL MODULAR CLASSROOM UNITS #9 - #12 INCLUDING SIDEWALKS, RAMPS AND PAVING WHERE INDICATED.

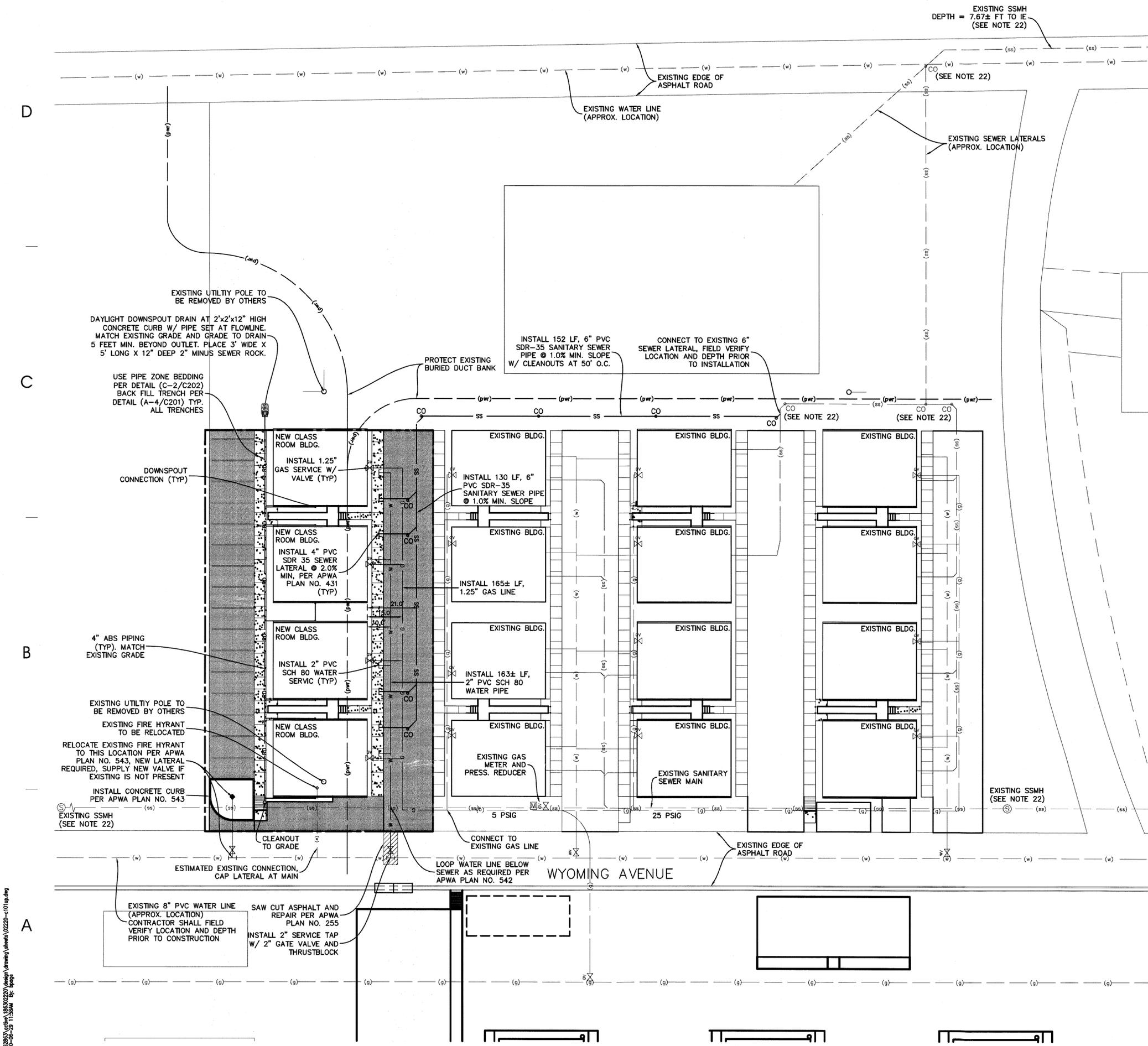
SEE SHEET E-101 FOR ELECTRICAL SITE PLAN.

LEGEND:

---	(g)	EXISTING GAS LINE
---	(g)	NEW GAS LINE
---	(ss)	EXISTING SANITARY SEWER
---	(ss)	NEW SANITARY SEWER
---	(w)	EXISTING WATER LINE
---	(w)	NEW WATER LINE
---	(rd)	NEW ROOF DRAIN LINE



STAMP NOT VALID UNLESS SIGNED.

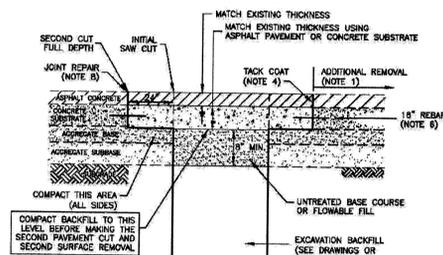
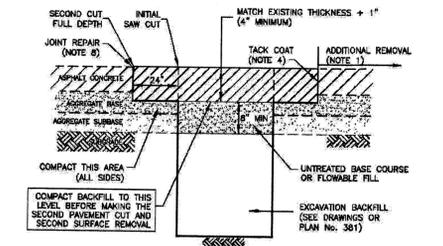


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Asphalt concrete "T" patch

- ADDITIONAL PAVEMENT REMOVAL:** Remove additional pavement to a painted lane stripe, a lip of gutter, a curb, an existing pavement patch, or an edge of the pavement if such street feature is within 2 feet of the second saw-cut.
- UNTREATED BASE COURSE:** Provide material specified in APWA Section 32 11 23.
 - Do not use gravel as a substitute for untreated base course without ENGINEER's permission.
 - Place material per APWA Section 32 05 10.
 - Compact per APWA Section 31 23 26 to a modified proctor density of 95 percent or greater. Maximum lift thickness before compaction is 8 inches when using riding compaction equipment or 6 inches when using hand held compaction equipment.
- FLOWABLE FILL:** Provide 28 day 60 psi controlled low strength material as specified in APWA Section 31 05 15. Use fill material which flows easily and vibration is not required. Cure to initial set before placing aggregate base or asphalt pavement. Use flowable fill in excavations that are too narrow to receive compaction equipment.
- TACK COAT:** APWA Section 32 12 14. Full tack coat coverage on all vertical surfaces.
- ASPHALT PAVEMENT:** Use asphalt concrete specified in APWA Section 33 05 25.
 - Install in lifts no greater than 3 inches after compaction.
 - Compact to 94 percent of ASTM D 2041 (Rice Method) plus or minus 2 percent.
- REINFORCEMENT:** ASTM A 615, Grade 60, No. 5 galvanized or epoxy coated deformed steel 12 inches on center.
 - Required if existing concrete thickness is 6 inches or greater.
 - Not required if (1) existing concrete is less than 6 inches thick, (2) existing concrete is deteriorating, (3) excavation is less than 3 feet square, (4) asphalt pavement is substituted for concrete substrate.
- CONCRETE SUBSTRATE:** Class 4000 per APWA Section 03 30 04. Place concrete per APWA Section 03 30 10. Cure to initial set before placing new asphalt concrete patch.
- JOINT REPAIR:** If a crack occurs at the "T" patch connection to existing pavement or at any street fixture, seal the crack per APWA Section 32 01 17.
- PATCH REPAIR:** Repair the asphalt pavement patch if any of the following conditions within the patch occur.
 - Pavement surface distortion exceeds 1/4 inch deviation in 10 feet. Repair option: Plane off surface distortions. Coat placed surfaces with a cationic or anionic emulsion that complies with APWA Section 12 03 and provide sand blitter.
 - Cracks at least 1-foot long and 1/4 inch wide occur more often than 1 in 10 square feet. Repair option: Crack seal.
 - Asphalt raveling is greater than 1 square foot per 100 square feet. Repair option: Mill and inlay.

SHALLOW EXCAVATION
(LESS THAN 48 INCHES FROM PAVEMENT SURFACE TO BOTTOM OF EXCAVATION)



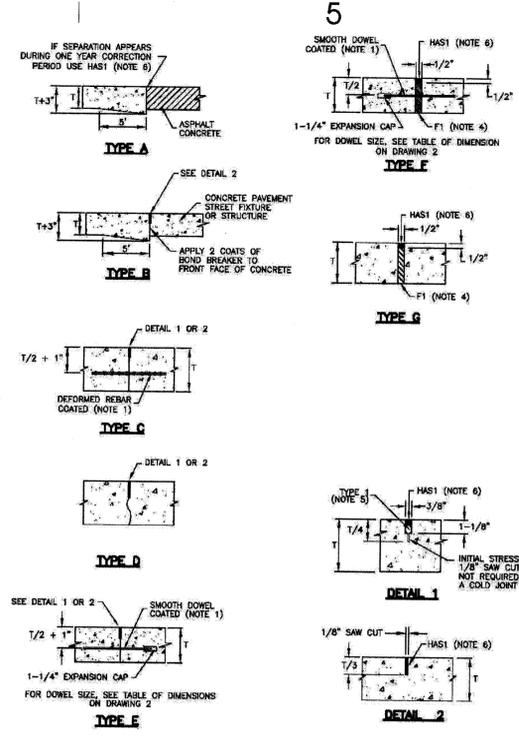
Asphalt concrete "T" patch

Plan No. **255**
Drawing 1 of 2

APWA PLAN NO. 255
ASPHALT CONCRETE "T" PATCH
NTS

Concrete pavement joints

- REINFORCEMENT:** ASTM A 615, grade 60, galvanized or epoxy coated deformed steel rebar or smooth steel dowels with diameter and length as indicated.
 - Space rebar and dowels at 12 to 15 inches on center.
 - Grease dowels to provide movement in expansion joints.
 - Keep tie bars in the vertical center of the concrete slab and perpendicular to the joint during concrete placement.
- SAWING:** Keep at least 3 working power saws on-site when concrete is being placed. Saw crack control joints (contraction joints) before shrinkage cracking takes place. Do not tear or ravel concrete during sawing. In cool weather, the joint sawing may be delayed only for the time required to prevent tearing and raveling the concrete. Cut joint to dimensions recommended by sealant manufacturer and approved by ENGINEER.
- JOINTS:** Lay out joints to aid construction and control random cracking.
 - Longitudinal joint spacing is 12 feet for concrete pavement less than 9 inches thick and 15 feet for concrete pavement 9 inches thick and thicker.
 - Transverse joints spacing is 30 x T (slab thickness in feet) where the maximum slab length to slab width ratio is 1.5 to 1.
 - Extend transverse contraction joints continuously across the full width of the concrete. Make the joints coincide with curb and gutter joints.
 - Make adjustments in joint locations to meet inlet or manhole locations.
- JOINT FILLER:** Type F1 per APWA Section 32 13 73, extending to the bottom of the concrete slab.
- BACKER ROD:** Type 1 (round rod) APWA Section 32 13 73. It must be oversized approximately 25 percent to fit tightly into each joint and compatible with hot poured sealant.
- JOINT SEALANT:** Hot applied, APWA Section 32 13 73. Remove dirt, oil and curing compounds from joint reservoir. Seal joints immediately after cleaning.



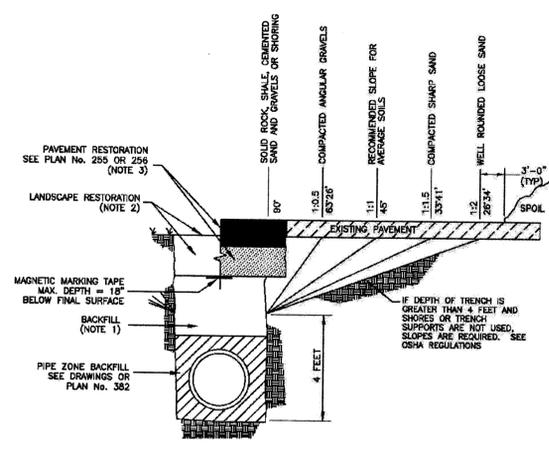
Concrete pavement joints

Plan No. **261**
Drawing 1 of 2

APWA PLAN NO. 261
CONCRETE PAVEMENT JOINTS
NTS

Trench backfill

- BACKFILL:** Above the pipe zone.
 - Granular Fill. Limit maximum particle size to 6 inches. Place fill per APWA Section 33 05 20. Compact to a modified proctor density of 95 percent or greater. Maximum lift thickness is 8 inches before compaction. Do not use clay without ENGINEER's review and acceptance. Water jetting is NOT allowed in backfilling operation.
 - Flowable Fill. Provide and place controlled low strength material per APWA Section 31 05 15. Cure the fill before placing surface restorations.
- LANDSCAPED RESTORATION:** Provide landscaped surfaces with topsoil. Rake to match existing grade. Replace vegetation to match pre-construction conditions. See APWA Section 32 92 00 or APWA Section 32 93 13 requirements.
- PAVEMENT RESTORATION:** Do not install asphalt or concrete surfacing until trench compaction is accepted by ENGINEER.
- PEA GRAVEL:** Pea gravel is not allowed in any part of the trench.



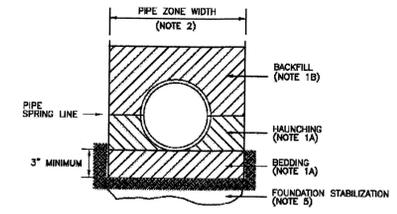
Trench backfill

Plan No. **381**

APWA PLAN NO. 381
TRENCH BACKFILL SECTION
NTS

Pipe zone backfill

- BACKFILL:** Do not use sewer rock or recycled RAP aggregate in the pipe zone without ENGINEER's written approval.
 - Granular Fill Below Pipe Spring Line.
 - Furnish 3/4 inch crushed aggregate base material, unless specified otherwise by pipe manufacturer. When using concrete, provide at least Class 2,000 per APWA Section 03 30 04.
 - Install and compact backfill material per pipe manufacturer's recommendations.
 - Water jetting is not allowed in backfilling operation.
 - Submission of quality control compaction test result data developed for haunching areas may be requested by ENGINEER at any time. CONTRACTOR is to provide results of tests immediately upon request.
 - Granular Fill Above Pipe Spring Line.
 - Furnish 3/4 inch crushed aggregate base material, unless specified otherwise by pipe manufacturer. Place in lifts not exceeding 9 inches before compaction.
 - Water jetting is not allowed in backfilling operation.
 - Compact per APWA Section 31 23 26 to a modified proctor density of 95 percent or greater unless pipe manufacturer requires more stringent installation.
- Flowable Fill.**
 - Provide and place controlled low strength material per APWA Section 31 05 15 if allowed by pipe manufacturer.
 - Prevent pipe flotation by installing in lifts and providing pipe restraints as required by pipe manufacturer.
 - Reset pipe to line and grade if pipe "floats" out of position.
- PIPE ZONE WIDTH:** Provide width recommended by pipe manufacturer. Width of pipe zone is measured at the pipe spring line and includes any necessary sheathing. In trench box applications, follow manufacturer's recommendations.
- PIPE LOCATION:** Install pipe in center of trench or no closer than 6 inches from wall of pipe to wall of trench.
- PEA GRAVEL:** Pea gravel is not allowed in any part of the pipe zone.
- FOUNDATION STABILIZATION:** Use sewer rock of APWA Section 31 05 13. Installation of stabilization-separation geotextile per APWA Section 31 05 19 will be required to separate backfill material and native subgrade materials if sewer rock cannot provide a working surface or to prevent soils migration.



Pipe zone backfill

Plan No. **382**

APWA PLAN NO. 382
PIPE ZONE BEDDING
NTS

Aug 2006

178

May 2006

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DETAILS

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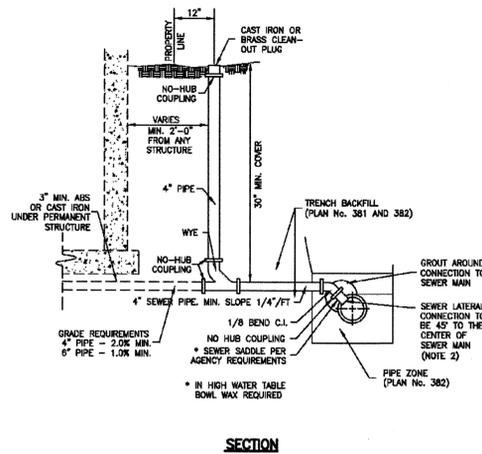
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C501
SHEET 3 OF 13



Sewer lateral connection

- INSPECTION:
 - Prior to installation, secure acceptance by ENGINEER for all pipe, fittings, and couplings to be used.
 - Prior to backfilling, secure inspection of installation by ENGINEER. Give at least 24 hours notice.
- INSTALLATION:
 - Provide agency approved wye or tee with appropriate donut. Verify whether CONTRACTOR or agency is to install the wye.
 - Tape wrap pipe as required by soil conditions.
 - Remove core plug from sewer main. Do not break into sewer main to make connection.
 - Stainless steel straps required.
- BACKFILL: Provide and place per APWA Section 33 05 20. Compact per APWA Section 31 23 26 to a modified proctor density of 95 percent or greater. Maximum lift thickness is 8 inches before compaction.



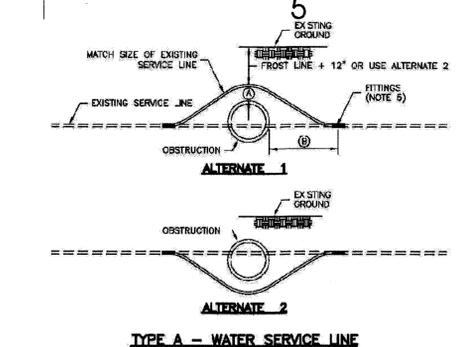
Sewer lateral connection

Plan No. **431**

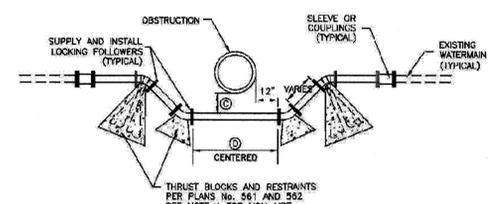
A APWA PLAN NO. 431
SEWER LATERAL CONNECTION
C502 NTS

Waterline loop

- INSPECTION: Prior to backfilling trench excavation, secure inspection of installation by ENGINEER.
- BACKFILL: Provide and place per APWA Section 33 05 20. Compact per APWA Section 31 23 26 to a modified proctor density of 95 percent or greater. Maximum lift thickness is 8 inches before compaction.
- PIPE: Match existing service. Bond pipe around obstruction.
- THRUST BLOCKS: Not required for flange or welded pipe systems.
- FITTINGS: Use copper to copper flange fittings or copper to iron pack joint coupling with locking split clamp on iron pipe side and flare on copper side. All couplings to be brass.
- GREASE: Apply poly-fm grease to all buried metal surfaces. Wrap with 8 mil thick polyethylene sheet and tape wrap.
- STEEL SPOOL: Weld in place and provide slip on flange except when fitting in pipe system could move. Epoxy line per AWWA C210, AWWA C213, and coated per AWWA C208, or AWWA C214.
- LOCATION: Loop water mains over top of sewer lines.



TYPE A - WATER SERVICE LINE



TYPE B - WATER MAIN

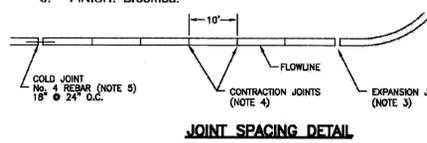
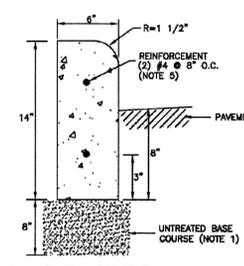
TABLE OF DIMENSIONS		
No.	OBSTRUCTION	
1	SEWER MAIN	18"
2	OTHER	2"
3		6"
4		12" MIN.
5	FULL PIPE LENGTH	O.D. + 12"

Waterline loop

Plan No. **542**

B APWA PLAN NO. 542
WATER LINE LOOP DETAIL
C502 NTS

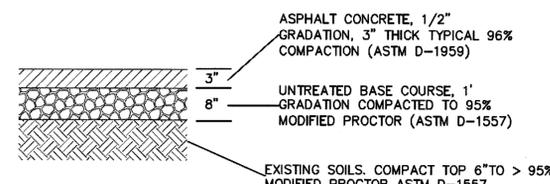
- UNTREATED BASE COURSE: Provide material specified in APWA Section 32 11 23.
 - Do not use gravel as a substitute for untreated base course without ENGINEER's permission.
 - If flow line grade is greater than 0.5 percent (s=0.005), provide 6 inches uncompacted thickness. If less, provide 8 inches uncompacted thickness.
 - Place material per APWA Section 32 05 10.
 - Compact per APWA Section 31 23 26 to a modified proctor density of 95 percent or greater. Maximum lift thickness before compaction is 8 inches when using riding compaction equipment or 6 inches when using hand held compaction equipment.
- CONCRETE: Class 4000 per APWA Section 03 30 04.
 - If necessary, provide concrete that achieves design strength in less than 7 days. Caution: concrete crazing (spider cracks) may develop if air temperature exceeds 90 degrees F.
 - Place concrete per APWA Section 03 30 10.
 - Provide 1/2 inch radius on concrete edges exposed to public view.
 - Cure concrete per APWA Section 03 39 00 with type ID Class A or B (clear with fugitive dye) membrane forming compound unless specified otherwise.
- EXPANSION JOINT: Make expansion joints vertical, full depth, 1/2 inch wide with type F1 joint filler material per APWA Section 32 13 73.
 - Set top of filler flush with surface of concrete.
 - Expansion joints are required at the start or end of a street intersection curb return.
 - Expansion joints are not required in slip form work.
- CONTRACTION JOINT: Make contraction joints vertical.
 - 1/8 inch wide and 2 inch deep or 1/4 slab thickness if slab is greater than 8 inches thick.
 - If necessary, match location of contraction joints in portland cement concrete roadway pavements.
- REINFORCEMENT: ASTM A 615, grade 60, galvanized or epoxy coated deformed steel. See APWA Section 03 20 00 requirements.
- FINISH: Broomed.



Curbs

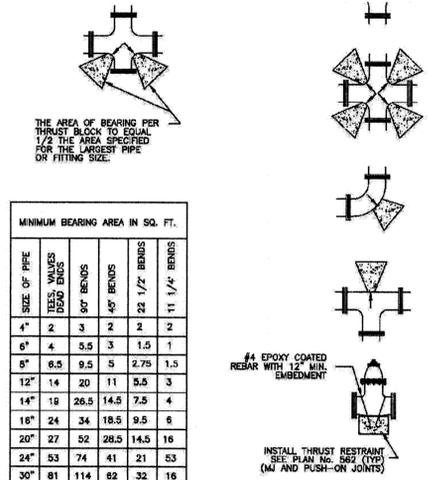
Plan No. **209**

C APWA PLAN NO. 209
JOINT SPACING DETAIL
C502 NTS



D ASPHALT PAVEMENT SECTION
C502 NTS

- CONCRETE: Class 2000 minimum per APWA Section 03 30 04. Pour concrete against undisturbed soil.
- PIPE JOINTS: Do not cover with concrete. Leave completely accessible.
- GREASE: Apply poly-fm grease to all buried metal surfaces. Wrap with 8 mil thick polyethylene sheet and tape wrap.
- SPECIAL CONSTRUCTION REQUIREMENTS:
 - Thrust design for pipe sizes or configurations not shown require special design.
 - Bearing areas, volumes, and special thrust blocking details shown on Drawings take precedence over this plan.
 - Reinforcing steel bars to be epoxy coated at least 15 mils thick. Minimum stress yield strength of tie down bars is 70,000 psi.
 - Locking restraint devices may be used in conjunction with concrete thrust blocking (at option of ENGINEER).
- INSPECTION: Prior to backfilling around thrust block, secure inspection of installation by ENGINEER.
- BACKFILL: Provide and place per APWA Section 33 05 20. Compact per APWA Section 31 23 26 to a modified proctor density of 95 percent or greater. Maximum lift thickness is 8 inches before compaction.



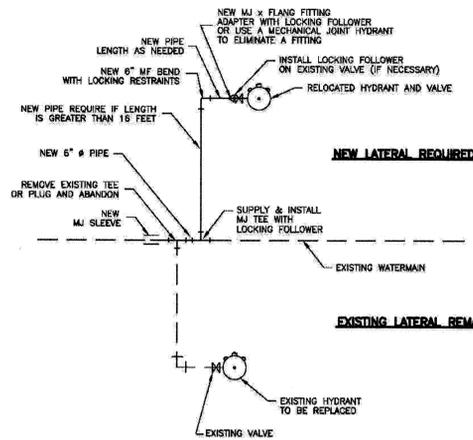
MINIMUM BEARING AREA IN SQ. FT.					
SIZE OF PIPE	TEES	45° BENDS	90° BENDS	1/2° BENDS	1/4° BENDS
4"	2	3	2	2	2
6"	4	5.5	3	1.5	1
8"	6.5	9.5	5	2.75	1.5
12"	14	20	11	5.5	3
14"	19	26.5	14.5	7.5	4
18"	24	34	18.5	9.5	6
20"	27	52	28.5	14.5	16
24"	53	74	41	21	53
30"	81	114	6	82	32

Direct bearing thrust block

Plan No. **561**

E APWA PLAN NO. 561
DIRECT BEARING THRUST BLOCK DETAILS
C502 NTS

- INSPECTION: Prior to backfilling trench excavation, secure inspection of installation by ENGINEER.
- BACKFILL: Provide and place per APWA Section 33 05 20. Compact per APWA Section 31 23 26 to a modified proctor density of 95 percent or greater. Maximum lift thickness is 8 inches before compaction.
- TEMPORARY THRUST BLOCKING: Use wood.
- VALVE BOXES: Salvage any C.I.S.T. valve boxes and reuse. Adjust to grade as necessary on relocated hydrant.
- PIPING: Match existing pipe, fittings and coupling sizes and materials.
- ADJUSTMENTS: Adjust hydrant to grade with hydrant extensions if necessary.
- CONNECTIONS: If existing valve and hydrant have O.B. connections, delete MJ x Flange adapter and install 6 inch MJ sleeve.



Fire hydrant replacement or relocation

Plan No. **543**

F APWA PLAN NO. 543
FIRE HYDRANT RELOCATION DETAIL
C502 NTS



703 east 1700 south
salt lake city, utah 84105
ph: 801.466.8818
fx: 801.466.4411
ajc@ajcarchitects.com

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CONTACT: Roy Kolkman Engineering Co., Inc.
PH#: (801) 484-8161 64 West 1700 South
FAX: (801) 484-3538 Salt Lake City, Utah 84115

STRUCTURAL Bsumek Mu & Assoc.
CONTACT: Reinhold Bsumek
Phone: 801.575.8223 345 South 400 East
Fax: 801.532.3778 Salt Lake City, Utah 84111

CIVIL Stantec Consulting
CONTACT: Ken Engstrom
PH#: (801) 261-0390 3995 S 700 E Suite 300
FAX: (801) 266-1671 Salt Lake City, Utah, 84107

PROJECT DESCRIPTION

State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: <http://www.dfcv.utah.gov>

R.T.I CLASSROOMS
13,14,15,16
CAMP WILLIAMS
DRAPER, UTAH

SHEET NAME:

B UTILITY
DETAILS

REVISIONS

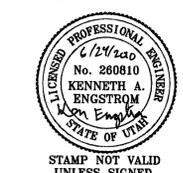
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ISSUE DATA

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ISSUE TYPE: CD
DRAWN BY: STANTEC
CHECKED BY: KAE
CAD FILE NAME: 02200c-502.dft
DFCM PROJECT #: 10178480
STATE PROPERTY #: 00000
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SHEET NUMBER:

C502
SHEET 4 OF 13



STAMP NOT VALID UNLESS SIGNED.

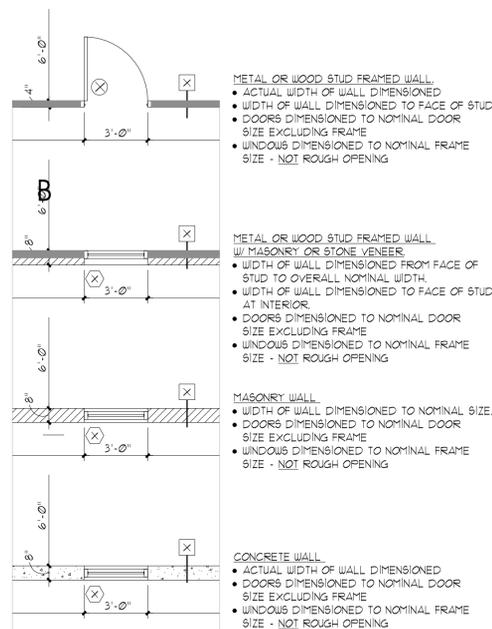
ABBREVIATIONS

AB	ANCHOR BOLTS	EA	EACH	MAINT	MAINTENANCE	SECT	SECTION
ABBREV	ABBREVIATION (S)	ELEC	ELECTRICAL	MAT'L	MATERIAL	SHT	SHEET
APPR	APPROVED	ELEV or EL	ELEVATION	MAX	MAXIMUM	SIM	SIMILAR
ACOUS	ACOUSTICAL	ELEV	ELEVATOR	MB	MACHINE BOLT	SIMUL	SIMULATED
AC	ASPHALT CONCRETE	EQ	EQUAL	MECH	MECHANICAL	SPECS	SPECIFICATIONS
A/C	AIR CONDITIONING	EQUIP	EQUIPMENT	MET	METAL	SS	STAINLESS STEEL
AD	ACCESS DOOR	EXIST	EXISTING	MEZZ	MEZZANINE	STA	STATION
AFF.	ABOVE FINISHED FLOOR	EJ	EXPANSION JOINT	MFR	MANUFACTURER	STD	STANDARD
ALUM	ALUMINUM	EXT	EXTERIOR	MISC	MISCELLANEOUS	STL	STEEL
		EWC	ELEC WATER COOLER	MO	MASONRY OPENING	SQ	SQUARE
BD	BOARD	FF	FINISH FLOOR	MULL	MULLION	SUSP	SUSPENDED
BLDG	BUILDING	FHC	FIRE HOSE CABINET			SYM	SYMMETRICAL
B	BLOCK	FN	FINISH				
BEAM	BEAM	FLR	FLOOR	(N)	NEW		
BO.B	BOTTOM OF BEAM	FO	FINISHED OPENING	NO.	NUMBER		
BOT	BOTTOM	FOC	FACE OF CONCRETE	NT.S	NOT TO SCALE		
				NR	NON-RATED	T	TREAD
						T & G	TRAFFIC DECK COVERING
C/C	CENTER TO CENTER	FOF	FACE OF STUD	OC	ON CENTER	TEL	TELEPHONE
CER	CERAMIC	FDN	FOUNDATION	OCC	OPERATOR CONTROL CENTER	THK	THICK
CH	CEILING HEIGHT	FRP	FIBER REINFORCED PLASTIC	OD	OUTSIDE DIAMETER	T.O.C.	TOP OF CONCRETE or CURB
CEM	CEMENT	FD	FLOOR DRAIN	OF	OVERFLOW	T.O.F.	TOP OF FOOTING
CLG	CEILING	FS	FLOOR SINK	OFF	OFFICE	T.O.P.	TOP OF PARAPET
CLOS	CLOSET	FS	FULL SIZE	OFI	OWNER FURNISH ITEM	T.O.S.	TOP OF STEEL
CLR	CLEAR	FSD	FULL SIZE DETAIL	OFOI	OWNER FURNISH OWNER INSTALLED	TYP	TYPICAL
CMU	CONCRETE MASONRY UNIT	FT	FEET	OH	OPPOSITE HAND	T.O.W.	TOP OF WALL
COL	COLUMN	FH	FULL HEIGHT	OPNG	OPENING		
COMP	COMPOSITION	GA	GAUGE	OPF	OPPOSITE	UNO	UNLESS NOTED OTHERWISE
CONC	CONCRETE	GC	GENERAL CONTRACTOR			VER	VERTICAL
CONN	CONNECTION	GL	GLASS	PC	PORTLAND CEMENT		
CONT	CONTINUOUS	GR	GALVANIZED	PL	PLATE		
CORR	CORRIDOR	GR	GRADE	PLAS	PLASTER		
CSK	COUNTERSINK	GYP BD	GYP SUM BOARD	PLYWD	PLYWOOD		
				FR	PAIR	W	WIDE
DEL	DELETE			PREP	PREPARATION	WC	WATER CLOSET
DET	DETAIL	H	HIGH	PROJ	PROJECTION	WD	WOOD
DF	DOUGLAS FIR	HWD	HARDWOOD	PT	PRESSURE TREATED	WI	WROUGHT IRON
DF	DRINKING FOUNTAIN	HORIZ	HORIZONTAL	PTDF	PRESSURE TREATED DOUGLAS FIR	WL	WATER LEVEL
DIA	DIAMETER	HM	HOLLOW METAL			WP	WORKING POINT
DIAG	DIAGONAL	HP	HIGH POINT	QT	QUARRY TILE	WP	WATERPROOFING
DIM	DIMENSION						
DIR	DIRECTION			R	RISER		
DL	DOUBLE	ID	INSIDE DIAMETER	R or RAD	RADIUS		
DN	DOWN	INSUL	INSULATION	RD	ROOF DRAIN		
DO	DOOR OPENING	INT	INTERIOR	REF	REFERENCE		
DOOR	DOOR			REFL	REFLECTED		
DOWNSPOUT	DOWNSPOUT	JAN	JANITOR	REINF	REINFORCE		
DRAWING	DRAWING			REQ'D	REQUIRED		
		LAV	LAVATORY	RES	RESILIENT		
		LEV	LEVEL	RFY	ROUGH OPENING		
		LTG	LIGHTING	RO	ROUGH OPENING		
		LTWT	LIGHT WEIGHT	REDU'D	REDUWOOD		

MATERIALS LEGEND (TYPICAL PLAN VIEWS)

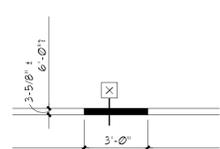
NEW CONSTRUCTION

ALL NEW CONSTRUCTION IS SHOWN HATCHED AS ILLUSTRATED BELOW
ALL NEW CONSTRUCTION IS FULLY NOTATED AS SHOWN BELOW
ALL WORK IS NEW UNLESS LABELED "EXISTING"



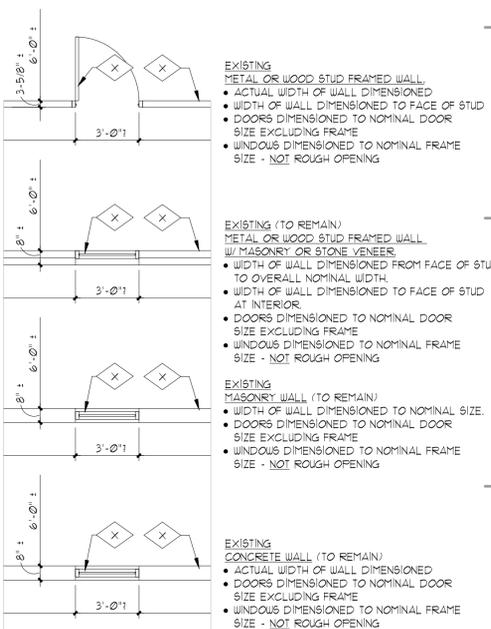
NEW CONSTRUCTION AT EXISTING

ALL NEW CONSTRUCTION IS SHOWN THICK LINE & HATCHED AS ILLUSTRATED BELOW
ALL EXISTING COMPONENTS SHOWN THIN LINE SOLID, NO HATCH.



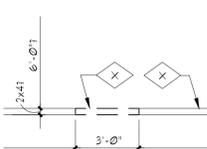
EXISTING CONDITIONS

ALL EXISTING CONSTRUCTION IS SHOWN WITHOUT HATCH AS ILLUSTRATED BELOW
ALL EXISTING CONSTRUCTION IS LABELED "EXISTING" BY KEYNOTE OR OTHERWISE
ALL DIMENSIONS TO EXISTING ARE APPROXIMATE ONLY AND ARE TO BE FIELD VERIFIED BY THE CONTRACTOR

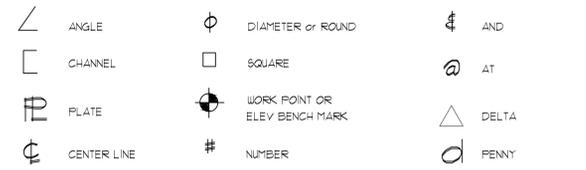


DEMOLITION AT EXISTING CONDITIONS

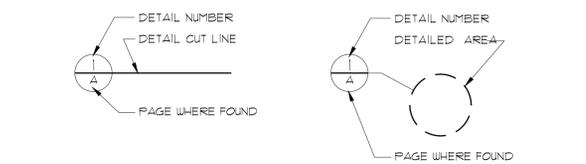
ALL EXISTING COMPONENTS SHOWN THIN LINE SOLID, NO HATCH.
ALL COMPONENTS TO BE DEMOLISHED ARE SHOWN DASHED, THIN LINE



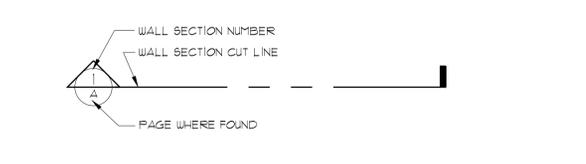
SYMBOLS



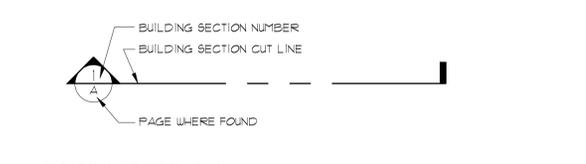
DETAIL TAGS



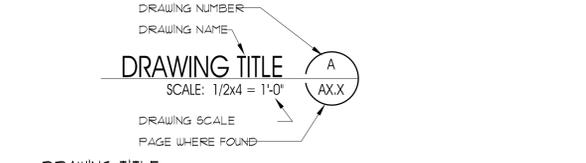
DETAIL TAGS



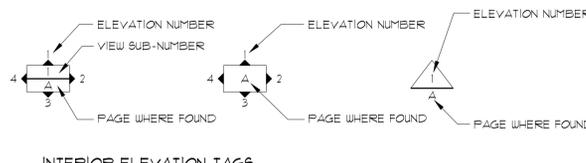
WALL SECTION TAG



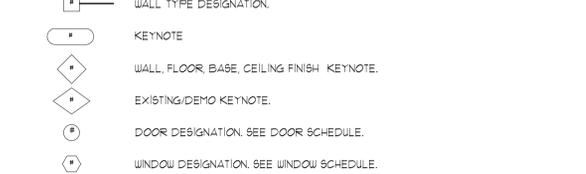
BUILDING SECTION TAG



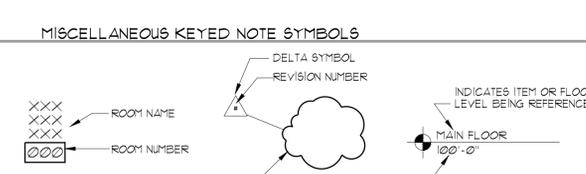
DRAWING TITLE



INTERIOR ELEVATION TAGS



MISCELLANEOUS KEYED NOTE SYMBOLS



ROOM NAME TAG

REVISION CLOUD

DATUM TAG

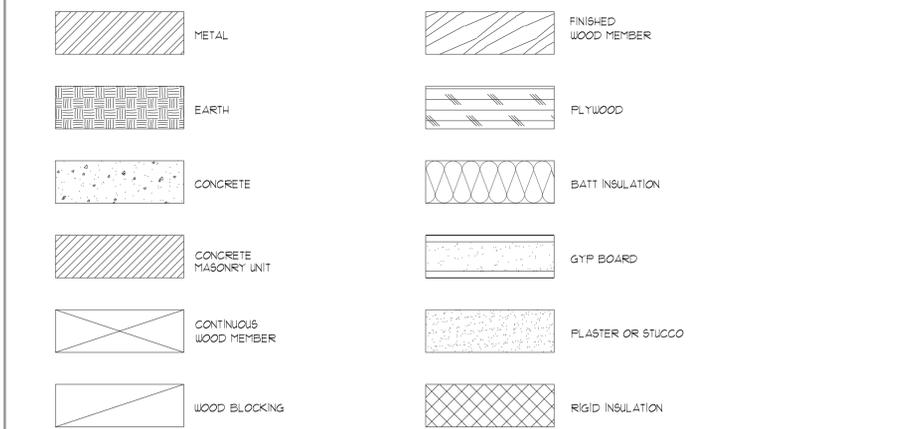
GENERAL NOTES:

- THE GENERAL CONTRACTOR SHALL HEREFTER BE REFERRED TO AS "GENERAL CONTRACTOR" OR "GC".
- THE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO ANY WORK AND SHALL BE RESPONSIBLE FOR ALL WORK AND MATERIALS INCLUDING THOSE FURNISHED BY SUBCONTRACTORS. CONTRACTOR SHALL ACCEPT PREMISES AS FOUND. OWNER WILL MAINTAIN THE EXISTING CONDITION OF THE SITE AND EXISTING STRUCTURES AT THE TIME OF BIDDING AND THEREAFTER.
- DIMENSIONS TAKE PRECEDENCE OVER DRAWINGS; DO NOT SCALE DRAWINGS TO DETERMINE ANY LOCATIONS. THE ARCHITECT/OWNER SHALL BE NOTIFIED IF ANY DISCREPANCY OCCURS PRIOR TO CONTINUING WITH WORK.
- ALL PLAN DIMENSIONS ARE FROM GRIDLINE OR FACE OF STUD OR FACE OF BLOCK UNLESS OTHERWISE INDICATED. SEE SECTION ON "DIMENSIONING" THIS SHEET.
- ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE BUILDING CODES AND LOCAL RESTRICTIONS. THE GENERAL CONTRACTOR MUST COMPLY WITH THE CONTRACTOR REGISTRATION REQUIREMENTS OF ALL GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL REPORT TO THE ARCHITECT ALL CONDITIONS REQUIRING COORDINATION/ CHANGES WITH THE CONTRACT DOCUMENTS. COORDINATION / APPROVAL SHALL TAKE PLACE BEFORE THE WORK BEGINS. ALL CHANGES TO THE CONTRACT COST SHALL BE APPROVED THROUGH A CHANGE ORDER.
- A GENERAL BUILDING PERMIT IS NOT REQUIRED. ALL OTHER PERMITS OR CONNECTION FEES SHALL BE SECURED AND PAID FOR BY THE GENERAL CONTRACTOR.
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREIN OR NOT AND TO PROTECT THEM FROM DAMAGE. THE GENERAL CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE PROSECUTION OF THE WORK.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE JOB IS IN PROGRESS AND UNTIL JOB IS COMPLETED, AND KEYS TURNED OVER TO OWNER.
- ALL DEBRIS SHALL BE REMOVED FROM PREMISES AND ALL AREAS SHALL BE LEFT IN A CLEAN (BROOM) CONDITION AT ALL TIMES.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF THE OCCUPANTS AND WORKERS AT ALL TIMES.
- CONTRACTOR SHALL PROVIDE TEMPORARY WATER, POWER AND TOILET FACILITIES, AS WELL AS ON SITE PHONE OR CELLULAR.
- APPROVED PLANS SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT THE SAME INFORMATION. THE GENERAL CONTRACTOR SHALL ALSO MAINTAIN, IN GOOD CONDITION, ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDUMS AND CHANGE ORDERS, ON THE PREMISES AT ALL TIMES. THESE ARE TO BE KEPT UNDER THE CARE OF THE JOB SUPERINTENDENT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR RECEIVING, UNLOADING, UNCRATING, INSTALLATION AND HOOK-UP OF ALL OWNER FURNISHED ITEMS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REPLACE OR REMEDY ANY FAULTY, IMPROPER OR INFERIOR MATERIALS OR WORKMANSHIP WHICH SHALL APPEAR WITHIN ONE (1) YEAR OR AS OTHERWISE SPECIFIED FOR A SPECIFIC COMPONENT AFTER THE COMPLETION AND ACCEPTANCE OF THE WORK UNDER THIS CONTRACT.
- DISCREPANCIES BETWEEN PORTIONS OF THE CONTRACT DOCUMENTS ARE NOT INTENDED. THE GENERAL CONTRACTOR IS TO CLARIFY WITH THE ARCHITECT ANY SUCH DISCREPANCIES PRIOR TO COMMENCING WORK.
- THE ARCHITECT/OWNER WILL REVIEW SHOP DRAWINGS AND SAMPLES FOR CONFORMANCE WITH DESIGN CONCEPT OF THE PROJECT. THE OWNER/ARCHITECT'S REVIEW OF A SEPARATE ITEM SHALL NOT INDICATE APPROVAL OF AN ASSEMBLY IN WHICH THE ITEM FUNCTIONS.
- MINIMUM FLAME SPREAD CLASSIFICATION OF INTERIOR FINISH SHALL CONFORM TO THE BUILDING CODE AND LOCAL GOVERNING BUILDING CODES/ORDINANCES.
- GENERAL CONTRACTOR TO COORDINATE JOB SITE SECURITY WITH UTAH NATIONAL GUARD PERSONNEL.
- THE GENERAL CONTRACTOR IS TO ASSURE THAT NO REBAR OR REINFORCEMENT IS PRESENT PRIOR TO CORE DRILLING OR PLACING BOLTS OR ANY OTHER ITEM WHICH COULD DISTURB THE STRUCTURAL SLAB OR FOUNDATION WALLS.
- DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS.
- FOR CONSTRUCTION DETAILS NOT SHOWN, USE THE MANUFACTURER'S STANDARD DETAILS OR APPROVED SHOP DRAWINGS / DATA SHEETS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- ALL PROJECT CONSTRUCTION SHALL CONFORM WITH ANSI A-111.1-2003, AND IBC 2006 INCLUDING 106.3.4.2.

PLEASE NOTE:
IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO UTILIZE THE CONSTRUCTION DRAWINGS AND WRITTEN SPECIFICATIONS FOR ALL REQUIRED INFORMATION TO PROVIDE COMPLETE CONSTRUCTION OF THIS PROJECT. ITEMS LISTED IN DRAWINGS, MAY NOT BE INCLUDED IN SPECIFICATIONS. ITEMS LISTED IN SPECIFICATIONS, MAY NOT BE INCLUDED IN DRAWINGS.

GENERAL CONTRACTOR RESPONSIBLE TO SUBMIT MODULAR BUILDING DESIGN DRAWINGS AND CALCULATIONS TO ARCHITECT AND DFCM FOR REVIEW PRIOR TO FINAL RELEASE OF CONSTRUCTION DOCUMENTS FOR CONSTRUCTION. DOCUMENTS ISSUED BY DFCM PRIOR TO REVIEW OF MODULAR BUILDING DESIGN DRAWINGS AND CALCULATIONS ARE FOR BIDDING PURPOSES ONLY.

MATERIALS LEGEND (TYPICAL SECTION VIEWS)



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fx: 801.466.4411
ajc@ajcarchitects.com

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R.T.I CLASSROOMS
13,14,15,16
CAMP WILLIAMS
DRAPER, UTAH

SHEET NAME:
GENERAL NOTES AND ABBREVIATIONS

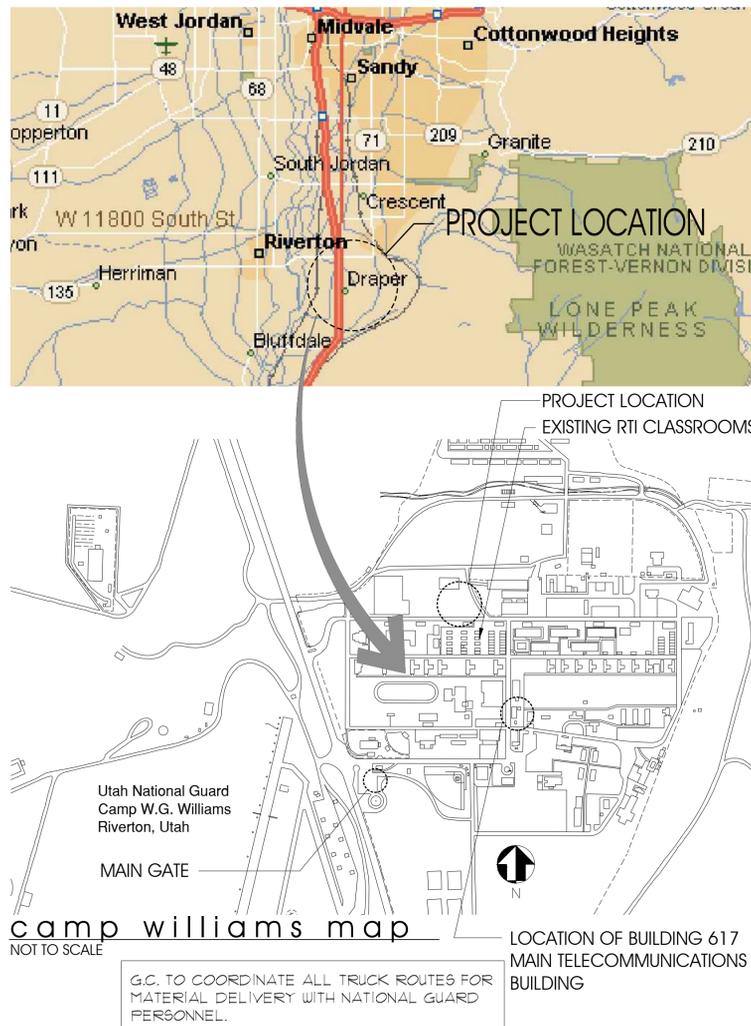
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ISSUE DATA
ISSUE DATE: JUNE 2010
ISSUE TYPE: CD
DRAWN BY: BJA
CHECKED BY: 1031 AE001
CAD FILE NAME: DFCM PROJECT # 10178480
STATE PROPERTY # 00000
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SHEET NUMBER:

AE001
SHEET 5 OF 14

LOCATION MAP:



CODE ANALYSIS

APPLICABLE CODES			
	Year		Year
International Building Code	2006	National Electrical Code	2008
International Mechanical Code	2006	Uniform Code for Building Conservation	2006
International Fuel Gas Code	2006	ADA Accessibility Guidelines	2003
International Plumbing Code	2006		
International Fire Code	2006		
International Energy Conservation Code	2006		

- A. Occupancy and Group: BUSINESS GROUP B
 Change in Use: Yes No Mixed Occupancy: Yes No
 Special Use and Occupancy (e.g. High Rise, Covered Mall): NONE
- B. Seismic Design Category: D Design Wind Speed: 90 mph
- C. Type of Construction (circle one):
 I/A I/B II/A II/B III/A III/B IV/HT V/A V/B
- D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):
 North: 1 South: 1 East: 1 West: 1
- E. Mixed Occupancies: NONE Nonseparated Uses: NONE
- F. Sprinklers:
 Required: NO Provided: NO
 Type of Sprinkler System (IBC 903.3.1): NA
- G. Number of Stories: 1 Building Height: 22'
- H. Actual Area per Floor (square feet): 5,120 S.F. TOTAL FOR ENTIRE ROW AS ONE BUILDING
- I. Tabular Area: (table 503): 2 STORY / 9,000 SF
- J. Area Modifications:
 a) $A_a = \left\{ A_t + \left[A_t \times I_f \right] + \left[A_t \times I_s \right] \right\} I_f = \left[F/P - 0.25 \right] W / 30$
- b) Sum of the Ratio Calculations for Mixed Occupancies:
 $\frac{\text{Actual Area}}{\text{Allowable Area}} \leq 1$
- c) Total Allowable Area for:
 1) One Story: _____
 2) Two Story: A_a(2) 9,000 SF
 3) Three Story: A_a(3) _____
- d) Unlimited Area Building: Yes No Code Section: _____
- K. Fire Resistance Rating Requirements for Building Elements (hours).

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	0	NA	Floors - Ceiling Floors	0	NA
Interior Bearing Walls	0	NA	Roofs - Ceiling Roofs	0	NA
Exterior Non-Bearing Walls	0	NA	Exterior Doors and Windows	0	NA
Structural Frame	0	NA	Shaft Enclosures		
Partitions - Permanent			Fire Walls		
Fire Barriers			Fire Partitions		
			Smoke Partitions		

CODE ANALYSIS (CONT.)

- L. Design Occupant Load: 49 PER MODULAR UNIT
 Exit Width Required: (1) EXIT @ 9.8" WIDE TBL 1004.1.2
 Exit Width Provided: (1) EXIT @ 34" CLEAR WIDTH
- M. Minimum Number of Required Plumbing Facilities:
 a) Water Closets - Required (m) _____ (f) _____ Provided (m) _____ (f) _____
 b) Urinals - Required (m) 0 (f) _____ Provided (m) _____ (f) _____
 c) Lavatories - Required (m) _____ (f) _____ Provided (m) _____ (f) _____
 d) Bath Tubs or Showers: _____
 e) Drinking Fountains: 1 Service Sinks: 1 1

- FOOTNOTES:
 1) In case of conflict with the U.S. Department of Justice Federal Registers Parts through - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
 2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
 a) High Rise Requirements.
 b) Atriums.
 c) Performance Based Criteria.
 d) Means or Egress Analysis.
 e) Fire Assembly Locator Sheet.
 f) Exterior and Interior Accessibility Route.
 g) Fire Stopping, Including Tested Design Number.

STRUCTURAL BASIS FOR DESIGN:

Based on the 2006 International Building Code

STRUCTURAL DESIGN OF THIS CLASSROOM STRUCTURE SHALL BE IN ACCORDANCE WITH THE 2006 IBC. NOTE THAT THE IRC IS NON APPLICABLE. MODULAR MANUFACTURER SHALL SUBMIT STRUCTURAL DESIGN CALCULATIONS SHOWING COMPLIANCE WITH IBC SEISMIC FORCES AS WELL AS 90 MPH, EXPOSURE C WIND FORCE.

ROOF LOADS LIVE LOADS.....36 PSF
 FLOOR LIVE LOADS.....50 PSF
 FLOOR DEAD LOAD AS INDICATED ON DRAWINGS INCLUDE WEIGHT OF PARTITIONS SHOWN.
 SUBMIT STRUCTURAL CALCULATIONS FOR ROOF TRUSSES AND ROOF GIRDER.

PROVIDE LATERAL SUPPORT OF NON-BEARING PARTITION WALLS AND ACCOMMODATE ROOF DEFLECTIONS AT WALLS.

DESIGN FOOTINGS FOR 1500 PSF SOIL PRESSURE.

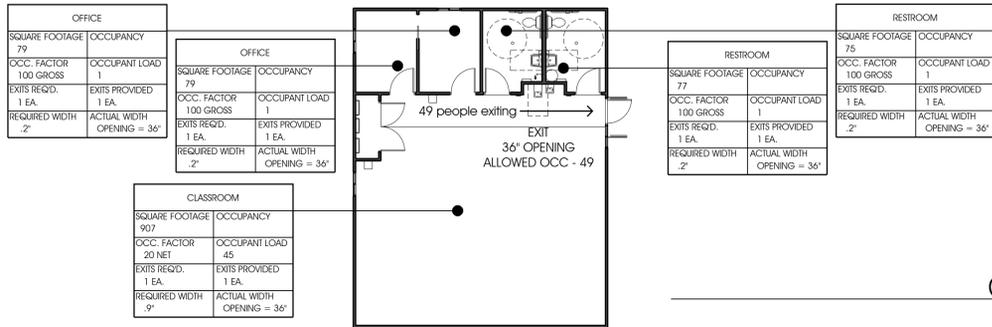
THE GENERAL CONTRACTOR IS REQUIRED TO MEET THE REQUIREMENTS OF GEOTECHNICAL STUDY # 0128-060-10 PRODUCED BY GORDON SPILKER HUBER GEOTECHNICAL CONSULTANTS.

DEFERRED SUBMITTALS:

SUBMITTAL	APPROX. SUBMITTAL DATE.
MECHANICAL IECC CODE COMPLIANCE ANALYSIS	SEPTEMBER 30, 2010
FIRE ALARM AND SUPPRESSION SYSTEMS	SEPTEMBER 30, 2010
DETAILS AND SEISMIC ENGINEERING CALCULATIONS FOR PERMANENTLY ATTACHED MECHANICAL AND PLUMBING ITEMS.	SEPTEMBER 30, 2010

WORK RELATED TO DEFERRED SUBMITTALS IS NOT TO COMMENCE UNTIL THEY ARE APPROVED BY THE BUILDING OFFICIAL.

CODE REFERENCE PLAN B4
 SCALE: 1/16" = 1'-0" AE002



SPECIAL INSPECTION AND TESTING UNDER THE PROVISIONS OF IBC 1704 AND FOR MISCELLANEOUS AREAS

Indicate required Special inspections for project by checking the appropriate boxes and provide specific instructions as to the inspection requirements and the expectations of the architect, engineer and owner:

FABRICATORS (IBC 1704.2)
 Approved Fabricator Fabricators Name: _____
 Unapproved Fabricator Fabricators Name: _____
 In-plant inspections
 Steel Construction Welding Details

CONCRETE CONSTRUCTION (IBC 1704.4)
 Item Detailed Instructions and Frequencies
 Materials (1704.4.1) Continuous Periodic
 Steel placement Continuous Periodic
 Steel welding Continuous Periodic
 Bolts prior & during placement Continuous Periodic
 Use of required design mix Continuous Periodic
 Concrete sampling for strength test, slump, air content, and temperature of concrete Continuous Periodic
 Concrete & shotcrete placement Continuous Periodic
 Curing temperature and techniques Continuous Periodic
 Pre-stressed concrete Continuous Periodic
 Pre-cast concrete Continuous Periodic
 Posttensioned concrete Continuous Periodic
 Form work Continuous Periodic

CONCRETE CONSTRUCTION (IBC 1704.4)
 Item Detailed Instructions and Frequencies
 Materials (1704.4.1) Continuous Periodic
 Steel placement Continuous Periodic
 Steel welding Continuous Periodic
 Bolts prior & during placement Continuous Periodic
 Use of required design mix Continuous Periodic
 Concrete sampling for strength test, slump, air content, and temperature of concrete Continuous Periodic
 Concrete & shotcrete placement Continuous Periodic
 Curing temperature and techniques Continuous Periodic
 Pre-stressed concrete Continuous Periodic
 Pre-cast concrete Continuous Periodic
 Posttensioned concrete Continuous Periodic
 Form work Continuous Periodic

WOOD CONSTRUCTION (IBC 1704.6)
 Item Detailed Instructions and Frequencies
 Prefabricated elements & assembly Continuous Periodic INSPECT WOOD TRUSSES AND GIRDER PRIOR TO CONSTRUCTION.

SOILS CONSTRUCTION (IBC 1704.7)
 Item Detailed Instructions and Frequencies
 Site preparation Continuous Periodic
 Structural fill material Continuous Periodic

Structural fill lift thickness Continuous Periodic
 Structural fill soil densities Continuous Periodic
 Backfill soils materials Continuous Periodic
 Backfill soil densities Continuous Periodic

MISCELLANEOUS AREAS
 These inspections are recommended by the Architect/Engineer and approved by DFCM.
 Suspended Ceiling Grid Clips Continuous Periodic
 Suspended Ceiling wire spacing (Seismic) Continuous Periodic
 Soils backfill (specify locations and frequency) Continuous Periodic
 Soils for curb and gutter (specify locations and frequency) Continuous Periodic
 Soils for parking lots (specify locations and frequency) Continuous Periodic
 Soils for utility trench backfill Continuous Periodic
 Reinforcement for slab on grade sidewalks and drive approaches (specify locations and frequency) Continuous Periodic
 Reinforcement for interior slab on grade (specify locations and frequency) Continuous Periodic
 Concrete testing for slab on grade sidewalks and drive approaches (specify locations and frequency) Continuous Periodic
 Concrete testing for interior slab on grade (specify locations and frequency) Continuous Periodic

Masonry Veneer (specify locations and frequency) Continuous Periodic
 Asphalt inspection (specify locations and frequency) Continuous Periodic
 Asphalt testing (specify locations and frequency) Continuous Periodic
 Inspection of seismic resistance (specify locations and frequency) Continuous Periodic END WALLS, SEISMIC HOLD-DOWN INSTALLATIONS
 Steam and water line welding (specify locations and frequency) Continuous Periodic
 Seismic supports for duct work and sealing of joints for duct work Continuous Periodic

Special Inspectors Shall:
 • Be approved by the Building Official prior to performing any duties;
 • Provide proof of licensure as a special inspector by the State of Utah for each type of inspection;
 • Inspection reports are to meet the requirements of IBC 1704.1.2 and DFCM standards;
 • Inspection reports are to be submitted to the code consultant, architect, DFCM project manager, and the State of Utah Building Official within 48 hrs. of inspections;
 • A final inspection report shall be submitted following completion of the project documenting the types of special inspections performed and a statement indicating that the structure is in compliance with the drawings, specifications and applicable codes. IBC 1704.1.2

ARCHITECT PROJECT #1031

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State of Utah
 Department of Administrative Services

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Internet: <http://www.dfm.utah.gov>

R.T.I CLASSROOMS
 13,14,15,16
 CAMP WILLIAMS
 DRAPER, UTAH

SHEET NAME:
CODE SUMMARY
LOCATION MAP

REVISIONS
 MARK DATE DESCRIPTION

ISSUE DATA
 ISSUE DATE: JUNE 2010
 ISSUE TYPE: CD
 DRAWN BY: BJA
 CHECKED BY:
 CAD FILE NAME: 1031AE002
 DFCM PROJECT # 10178480
 STATE PROPERTY # 00000
 COPYRIGHT: STATE OF UTAH

SHEET NUMBER:

AE002
 SHEET 6 OF 14



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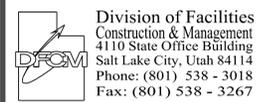
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R.T.I CLASSROOMS
 13,14,15,16
 CAMP WILLIAMS
 DRAPER, UTAH

SHEET NAME:
**EXISTING CONDITIONS
 SITE PREP PLAN**

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATA

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 ISSUE TYPE: CD
 DRAWN BY:
 CHECKED BY:
 CAD FILE NAME: 1031 AS101
 DFCM PROJECT # 10178480
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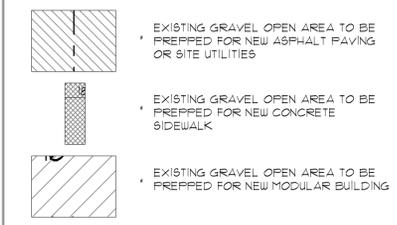
SHEET NUMBER:

AS101

SHEET 7 OF 14

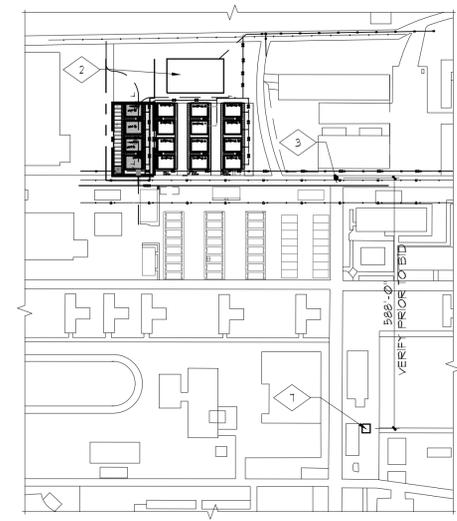
GENERAL NOTES AND LEGEND:
 FOR SHEET AS101 ONLY.

- SEE SHEET AE001 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO OWNER / ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- CONTRACTOR TO REMOVE GRAVEL FROM AREA OF CONSTRUCTION AND STORE ON SITE FOR USE AFTER CONSTRUCTION - G.C. TO COORDINATE STORAGE LOCATION WITH UTNG.
- CONTRACTOR TO COORDINATE ALL CONSTRUCTION STAGING AREA(S) AND EMPLOYEE PARKING WITH NATIONAL GUARD PERSONNEL.

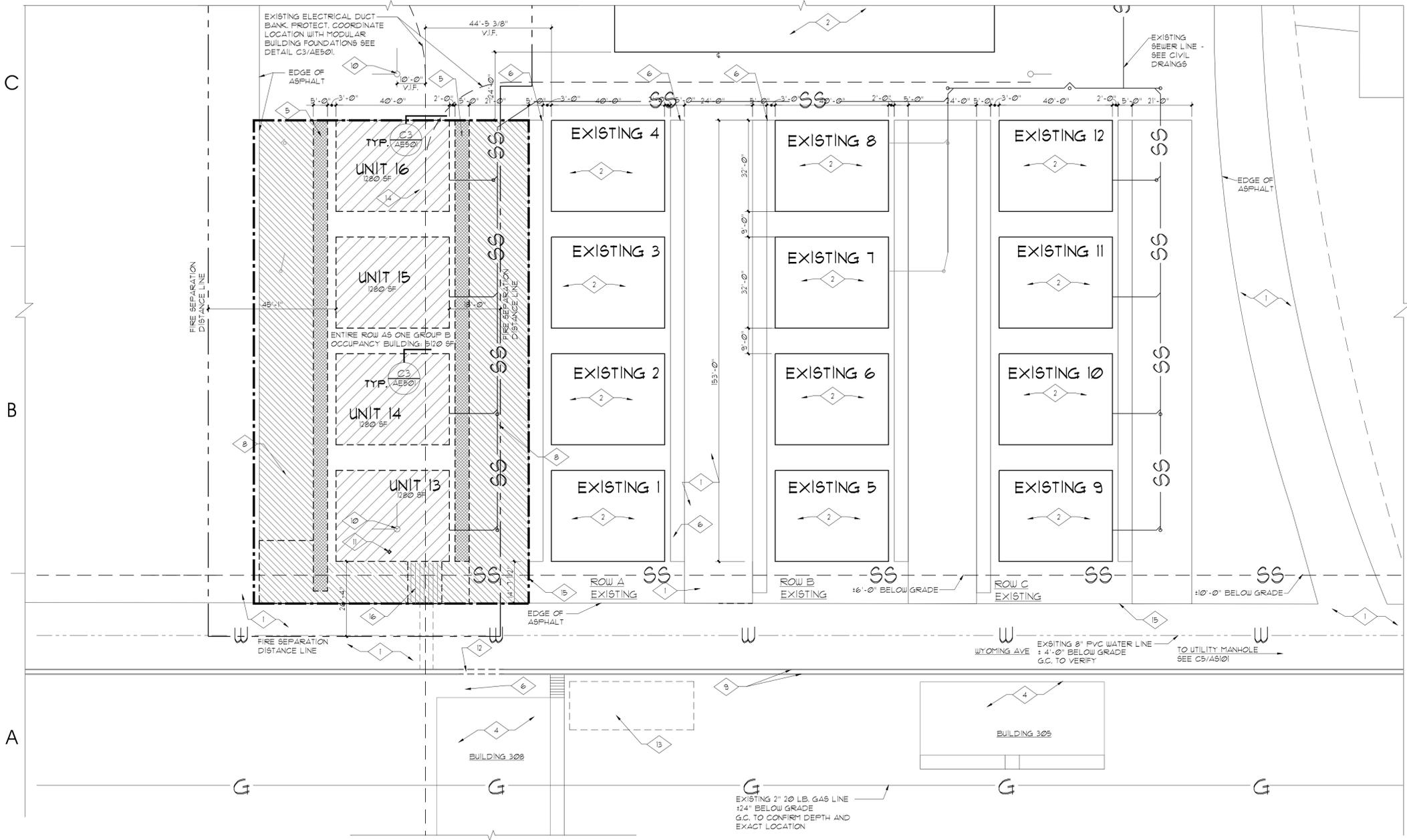


KEYED NOTE LEGEND:
 FOR SHEET AS101 ONLY.

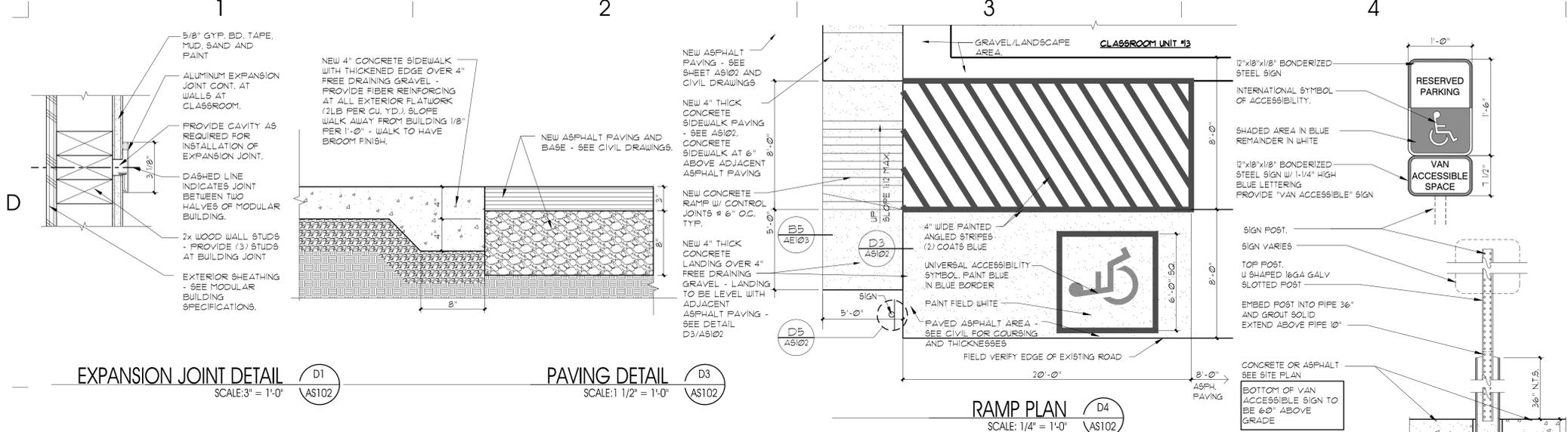
- EXISTING ASPHALT PAVING TO REMAIN.
- EXISTING BUILDING TO REMAIN - PROTECT DURING ALL PHASES OF CONSTRUCTION.
- EXISTING ELEC. / COMM. MANHOLE.
- EXISTING STRUCTURE - PROTECT DURING ALL PHASES OF CONSTRUCTION.
- HATCHED AREA TO BE PREPARED AS REQUIRED FOR INSTALLATION OF NEW 4" CONCRETE SIDEWALK OVER 4" FREE DRAINING GRAVEL. COORDINATE WITH CONSTRUCTION LIMIT LINE FOR THIS BID.
- EXISTING CONCRETE SIDEWALK TO REMAIN - PROTECT.
- EXISTING TELECOM BUILDING (BUILDING 617).
- HATCHED AREA TO BE EXCAVATED AND PREPARED AS REQUIRED FOR INSTALLATION OF NEW ASPHALT PAVING - SEE CIVIL DRAWINGS. COORDINATE WITH CONSTRUCTION LIMIT LINE FOR THIS BID.
- EXISTING HISTORICAL STONE GUTTER SYSTEM TO REMAIN INTACT - PROTECT DURING ALL PHASES OF CONSTRUCTION.
- EXISTING POWER POLE AND GUY-WIRE TO BE REMOVED BY OTHERS.
- EXISTING FIRE HYDRANT - TO BE RELOCATED. SEE CIVIL DRAWINGS.
- EXISTING STEEL PLATE DRIVE TO REMAIN - PROTECT.
- PREFABRICATED BLEACHERS AT THIS LOCATION - PROTECT.
- HATCHED AREA TO BE EXCAVATED AND PREPARED FOR INSTALLATION OF NEW MODULAR BUILDINGS WITH CONTINUOUS PERIMETER FOOTINGS AND FOUNDATIONS. COORDINATE WITH EXISTING ELECTRICAL DUCT BANK WITH CONSTRUCTION LIMIT LINE FOR THIS BID.
- CONSTRUCTION LIMIT LINE.
- HATCHED AREA TRENCHED AS REQUIRED FOR INSTALLATION OF NEW UTILITY CONDUIT - SEE CIVIL AND ELECTRICAL DRAWINGS.



OVERALL SITE PLAN C5 AS101
 graphic scale = 1"=200'-0"



EXISTING CONDITIONS / SITE PREP PLAN A5 AS101
 graphic scale = 1"=20'-0"

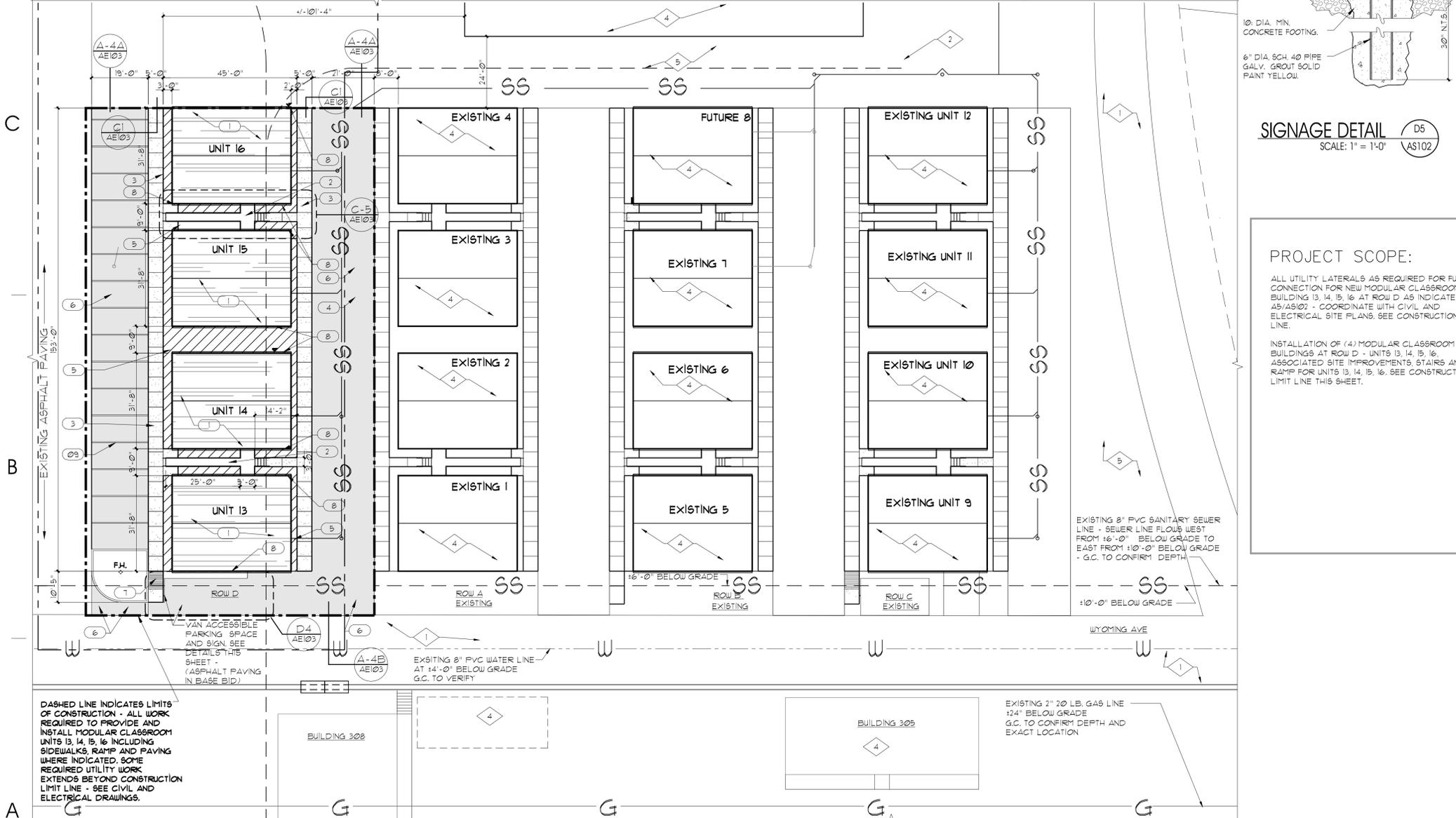


EXPANSION JOINT DETAIL
SCALE: 3" = 1'-0"
D1 AS102

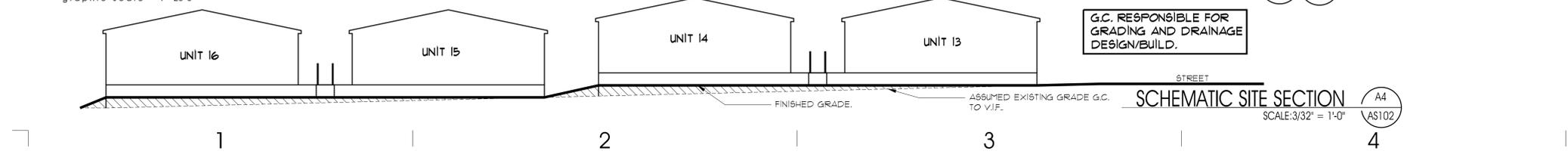
PAVING DETAIL
SCALE: 1/2" = 1'-0"
D3 AS102

RAMP PLAN
SCALE: 1/4" = 1'-0"
D4 AS102

SIGNAGE DETAIL
SCALE: 1" = 1'-0"
D5 AS102



NEW CONSTRUCTION SITE PLAN
A5 AS102



SCHEMATIC SITE SECTION
SCALE: 3/32" = 1'-0"
A4 AS102

GENERAL NOTES AND LEGEND:

- SEE SHEET A601 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO OWNER/ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- CONTRACTOR TO COORDINATE ALL CONSTRUCTION STAGING AREA(S) AND EMPLOYEE PARKING WITH NATIONAL GUARD PERSONNEL.
- CONTRACTOR SHALL INCLUDE IN THE BID AND PAY FOR ALL IMPACT FEES AND CONNECTION COSTS ASSESSED BY SOUTH VALLEY SEWER DISTRICT.
- ALL SANITARY SEWER CONSTRUCTION SHALL COMPLY WITH SOUTH VALLEY SEWER DISTRICT'S DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS. (SEE WWW.SOUTHVALLEYDISTRICTS.COM) FOUR FEET OF COVER WILL BE REQUIRED OVER ALL SEWER LINES.

EXIST. COND. KEYED NOTE LEGEND:

- 1 EXISTING ASPHALT PAVING TO REMAIN.
- 2 EXISTING POWER POLE AND GUY-WIRE TO BE REMOVED BY OTHERS.
- 3 EXISTING FIRE HYDRANT TO BE RELOCATED. SEE CIVIL DRAWINGS - G.C. TO PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 4 EXISTING BUILDING TO REMAIN - PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 5 EXISTING GRAVEL AREA TO REMAIN.

KEYED NOTE LEGEND:

- 1 G.C. TO PURCHASE AND INSTALL NEW MODULAR CLASSROOM BUILDING - FINISH FLOOR AT 2'-11" MAX. ABOVE GRADE AND NEW MODULAR CLASSROOMS TO MATCH EXISTING MODULAR CLASSROOMS AT ROW A/B COORDINATE WITH CONSTRUCTION LIMIT LINE FOR THIS BID.
- 2 NEW PREFABRICATED STEEL RAMP AND STAIR PROVIDED BY MODULAR BUILDING MANUF. AND INSTALLED BY G.C. - G.C. TO PROVIDE 2'-0" X 2'-0" 6" REINFORCED CONCRETE PAD 5'-0" O.C. MAX. SPACING ON EACH SIDE OF RAMP OVER COMPACTED SUBGRADE. G.C. TO COORDINATE EXACT LOCATIONS OF CONCRETE PADS WITH RAMP SUPPORTS. COORDINATE WITH CONSTRUCTION LIMIT LINE FOR THIS BID.
- 3 NEW 4" CONCRETE SIDEWALK OVER FREE DRAINING GRAVEL - SIDEWALK TO HAVE A BROOM FINISH. COORDINATE WITH CONSTRUCTION LIMIT LINE FOR THIS BID.
- 4 BACKFILL EXISTING GRAVEL AT AREAS OF UTILITY EXCAVATION TO MATCH EXISTING GRAVEL DEPTH. G.C. TO IMPORT NEW GRAVEL AS REQUIRED (NEW GRAVEL TO MATCH EXISTING). COORDINATE WITH CONSTRUCTION LIMIT LINE FOR THIS BID.
- 5 HATCH INDICATES NEW GRAVEL INFILL TO A DEPTH OF 16" - G.C. TO RE-USE GRAVEL ON SITE AND PROVIDE NEW AS REQUIRED. NEW GRAVEL TO MATCH EXISTING. COORDINATE WITH CONSTRUCTION LIMIT LINE FOR THIS BID.
- 6 NEW ASPHALT PAVING - SEE CIVIL FOR COURSING AND THICKNESS. COORDINATE WITH CONSTRUCTION LIMIT LINE FOR THIS BID.
- 7 NEW CONCRETE RAMP AND LANDING - SEE D4/A5102. COORDINATE WITH CIVIL DRAWINGS.
- 8 NEW RAIN GUTTER AND DOWNSPOUT TO MATCH EXISTING AT EXISTING RTI CLASSROOMS - COORDINATE DOWNSPOUT LOCATION WITH CIVIL DRAWINGS. COORDINATE WITH CONSTRUCTION LIMIT LINE FOR THIS BID.
- 9 NEW 4" WIDE PARKING STRIPING.

PROJECT SCOPE:

ALL UTILITY LATERALS AS REQUIRED FOR FULL CONNECTION FOR NEW MODULAR CLASSROOM BUILDING 13, 14, 15, 16 AT ROW D AS INDICATED ON A5/A5102 - COORDINATE WITH CIVIL AND ELECTRICAL SITE PLANS. SEE CONSTRUCTION LIMIT LINE.

INSTALLATION OF (4) MODULAR CLASSROOM BUILDINGS AT ROW D - UNITS 13, 14, 15, 16 ASSOCIATED SITE IMPROVEMENTS, STAIRS AND RAMP FOR UNITS 13, 14, 15, 16. SEE CONSTRUCTION LIMIT LINE THIS SHEET.

ARCHITECT PROJECT #1031

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R.T.I CLASSROOMS
13, 14, 15, 16
CAMP WILLIAMS
DRAPER, UTAH

SHEET NAME:
NEW CONSTRUCTION
SITE PLAN

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATA

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CHECKED BY:	
CAD FILE NAME:	1031 AS102
DFCM PROJECT #	10178480
STATE PROPERTY #	00000
COPYRIGHT:	STATE OF UTAH

SHEET NUMBER:

AS102
SHEET 8 OF 14

MATERIAL / DESIGN GUIDELINES:

BUILDING LENGTH: 40
 BUILDING WIDTH: 32
 TOTAL SQUARE FOOTAGE: 1280

CODES:
 IBC 2006
 OCCUPANCY CONST. TYPE NEC
 IFC 2006
 IMC 2006

DESIGN LOADS:
 FLOOR ROOF WIND UPLIFT

CHASIS:
 TYPE BEAM SIZE AXLES TIRES HITCH BOTTOM BOARD

FLOOR CONSTRUCTION:
 JOISTS DECKING INSULATION VAPOR BARRIER

FLOOR COVERING:
 FLOORING BASE

EXTERIOR WALL CONST.:
 WALL STUDS INSULATION SHEATHING SIDING TRIM INTERIOR FINISH

INTERIOR WALL CONSTRUCTION:
 LINEAL FEET CEILING HEIGHT WALL STUDS WALL COVERING INSULATION WAINSCOT

ROOF CONSTRUCTION:
 TYPE JOIST OR RAFTER SHEATHING ROOF FINISH INSULATION INTERIOR FINISH EAVES AND OVERHANGS RAIN GUTTER AND DN. SPOUT. VENTING

EXTERIOR DOOR:
 SIZE QUANTITY TYPE FRAME LOCKSET CLOSER FRAMIC CLOSER

INTERIOR DOORS:
 SIZE QUANTITY TYPE FRAME OF JAMB HARDWARE

WINDOWS:
 TYPE SIZE QUANTITY MINIBLINDS SECURITY SCREENS

ELECTRICAL:
 PANEL SIZE SERVICE RACEWAY LIGHTS (INTERIOR) LIGHTS (EXTERIOR) EXIT SIGNS RECEPTACLES DUPLEX GFI

HVAC:
 UNIT TYPE SIZE BRAND RETURN DUCT SIZE RETURN DUCT SIZE DIFFUSERS RETURN AIR GRILLES - TYP. AT END WALLS INSULATED CROSSOVERS EXHAUST FANS

PLUMBING:
 WATER LINE DRAIN LINE WATER HEATER EMAX LAVATORY AND FAUCET WATER CLOSET ADA COMPLIANT ACCESSORIES FLOOR DRAIN (QTY. 2)

RAMP / STAIR:

SEE STRUCTURAL BASIS OF DESIGN SHEET AE002

OUTRIGGER @ 8'-0" O.C. 10" HIGH MAX 1" BEAM 3 EACH 6 EACH FLOOR DETACHABLE 40 MIL PLASTIC

2x8 AT 16" O.C. 3/4" T&G PLYWOOD R-19 FIBERGLASS 40 MIL PLASTIC

12"x12"x1/8" VCT TILE CARPET TILE - SHAW CONSTELLATION COLOR SELECTED BY OWNER STATE CONTRACT #MA 1863 CARPET 2 1/2" VINYL

2x4 WOOD @ 16" O.C. R-11 FIBERGLASS W/V.B. NONE 1/8" ABITCO TI-11 -PAINT 1/4 AND 1/8 PRO TRIM - PAINTED 5/8" GYPSUM - MATCHING BATTS

AS INDICATED ON PLAN AS INDICATED ON PLAN METAL OR WOOD 5/8" GYP. BD. PAINTED NONE IN RESTROOMS FRP (TO 4'-0")

PITCHED ROOF MONO TRUSS AT 16" O.C. 1/16" OSB 235 LB ASPHALT SHINGLES OVER 30 LB FELT R-30 FIBERGLASS T-GRID 2x4 PANELS 3" ON SIDE WALLS CONT. BOTH SIDES OF BLDG.

SEE HARDWARE SCHEDULE THIS SHEET 3'-0" x 6'-8" x 1 3/4" COMMERCIAL GRADE 2 EA. ACTIVE STEEL ALUMINUM LEVER LOCKSET - COORD. W/ UTNG. FER HARDWARE SCHEDULE YES YES

SEE HARDWARE SCHEDULE THIS SHEET 3'-0" x 6'-8" x 1 3/4" COMMERCIAL GRADE 6 EA. (1 PAIR) HOLLOW CORE WOOD - PAINT. HOLLOW METAL - PAINT. LEVER STYLE LOCKSET

WHITE VINYL SLIDER CLEAR INSULATED GLASS W/ LOW-E COATING. 4'-0" x 3'-0" YES YES

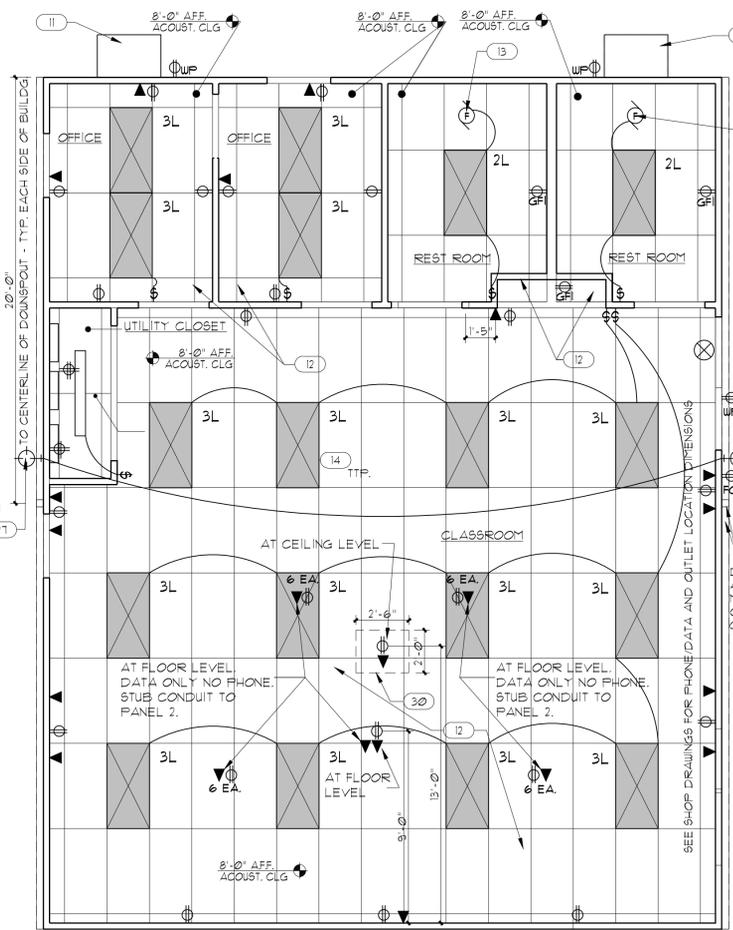
SEE DIVISION 16000 OF PROJECT MANUAL 100 AMP THROUGH FLOOR RUN ELECTRICAL WIRING IN 3/4" MIN. CONDUIT W/ THIN OR METAL CLAD CABLE. 2x4 4 1x4 FLUORESCENT (SEE PLAN FOR QUANTITY AND LAMP COUNT) ELECTRONIC BALLAST AND 18 LAMPS VANDAL 10 WATT HIGH PRESSURE SODIUM ON PHOTOCELL SWITCH. YES - QUANTITY (2) STD DUPLEX (11 TOTAL) WEATHER PROOF DUPLEX (1 TOTAL) GFCI DUPLEX (3 TOTAL)

WALL MOUNT - NATURAL GAS 1 TON FER 500 sq. Ft. BRAND 2x8 - FIBERGLASS AT END WALL SIZE - 12x12 - QUANTITY 8 EA. QUANTITY 1 EA. 8" QUANTITY 4 EA. QUANTITY 2 EA.

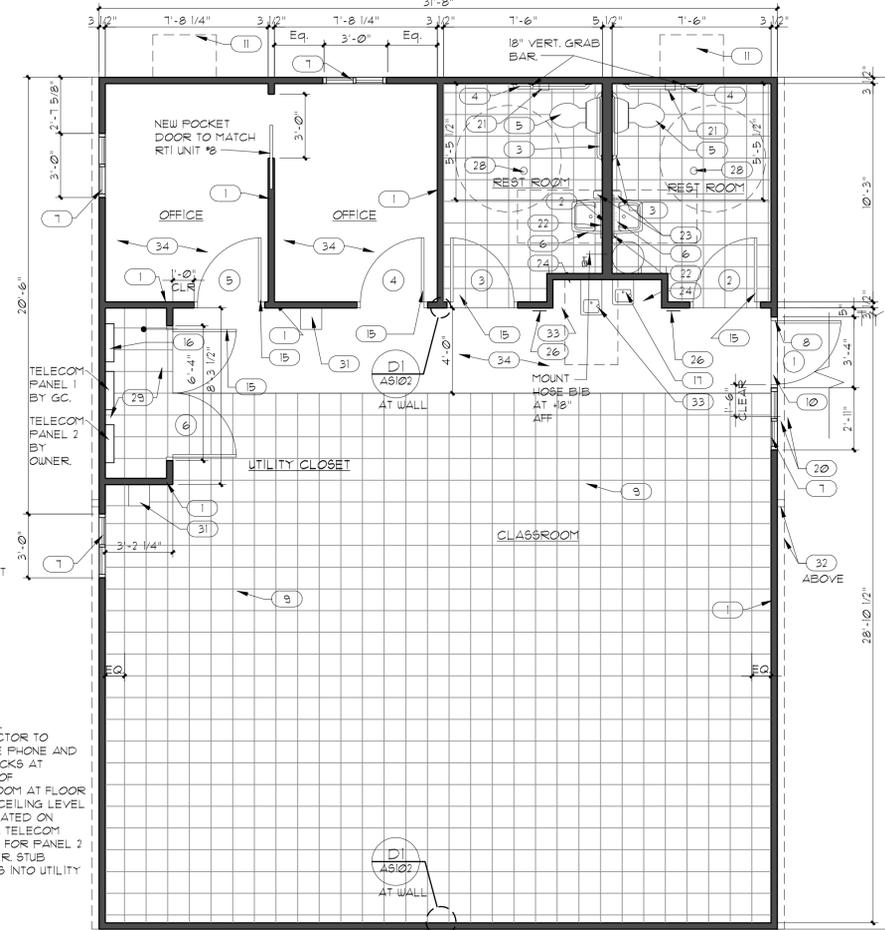
COPPER 3/4" SERVICE ABS (MAIN DRAIN SIZE 3"). 6 GAL. - QUANTITY 2 WALL HUNG - QUANTITY 2 ELONGATED - QUANTITY 2 YES SEE PLAN

PRE FABRICATED METAL RAMP AND STAIRS - PROVIDE AND INSTALLED AS INDICATED ON PLANS

NOTE: NEW MODULAR CLASSROOMS AND ALL ACCESSORIES TO MATCH EXISTING MODULAR CLASSROOMS AND ACCESSORIES UNO.



REFLECTED CEILING / POWER PLAN SCALE: 1/4" = 1'-0"



MODULAR CLASSROOMS #14 & 16 FLOOR PLAN SCALE: 1/4" = 1'-0"

HARDWARE SCHEDULE GROUP 1 (FOR DOOR 1)

QTY	ITEM	MODEL	FINISH	MANUFACTURER
15 PAIR	BUTTS	BB5000 45 x 45	26D	BOMMER
1 EA.	PANIC	98L x 1C BEST CYL	26D	VON DUPRN
1 EA.	CLOSER	F4041 SPRING CUSH	-	LCN
1 EA.	KICKPLATE	10" x 2" LDW	32D	QUALITY
1 EA.	THRESHOLD	425	-	NG
1 EA.	WEATHERSTRIP	160	-	NG
1 EA.	SWEEP	200	-	NG

HARDWARE SCHEDULE GROUP 2 (FOR DOORS 2 & 3)

15 PAIR	BUTTS	BB5000 45 x 45	26D	BOMMER
1 EA.	PRIVACY	93KO-L-15CX	26D	BEST
1 EA.	KICKPLATE	10" x 2" LDW	32D	QUALITY
1 EA.	SWEEP	301	26D	QUALITY

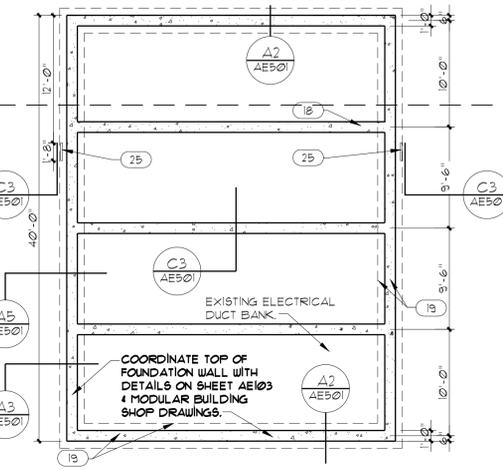
HARDWARE SCHEDULE GROUP 3 (FOR DOORS 4 & 5)

15 PAIR	BUTTS	BB5000 45 x 45	26D	QUALITY
1 EA.	LOCKSET	93K1-AB-15C	616	BEST
1 EA.	STOP	302	26D	QUALITY

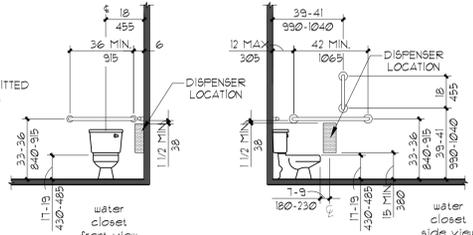
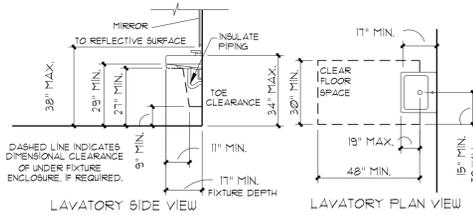
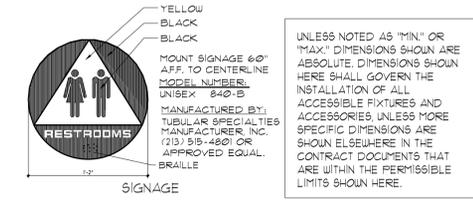
HARDWARE SCHEDULE GROUP 4 (FOR DOOR 6)

3 PAIR	BUTTS	BB5000 45 x 45	26D	QUALITY
1 EA.	LOCKSET	93K1-AB-15C	616	BEST
2 EA.	STOP	302	26D	QUALITY
2 EA.	FLUSH BOLT	1358-12"	26D	QUALITY

NOTE: FURNISH LOCK CORES TO UTNG FOR KEYING AND INSTALLATION.



GRADE BEAM / FOOTING AND FOUNDATION LAYOUT SCALE: 1/8" = 1'-0"



H.C. ACCESSIBLE FIXTURE GUIDELINES AND SIGNAGE SCALE: NO SCALE

GENERAL NOTES AND LEGEND:

- SEE SHEET AE001 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
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- GENERAL CONTRACTOR TO COORDINATE UTILITY CONNECTIONS AT BUILDINGS WITH MODULAR BUILDING MANUFACTURER

- WALL MOUNTED EXTERIOR LIGHTING
- 2x4 LAY-IN FLUORESCENT LIGHT FIXTURE SEE PLAN FOR LAMP COUNT SEE ELECTRICAL FOR EMERGENCY FIXTURES
- 2L (2) LAMP FIXTURE
- 3L (3) LAMP FIXTURE
- 4L (4) LAMP FIXTURE
- 4'-0" TWO LAMP SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE
- TELEPHONE AND DATA JACK AT 14" AFF. TYP. IN CONDUIT UNLESS HEIGHT IS NOTED - PROVIDE (2) CAT 5 E WIRES (8/230S OR EQ.) 1/2 FOOT PATCH PANELS AT EA. LOCATION
- SINGLE POLE SWITCH
- 10V DUPLEX CONV. OUTLET MOUNT # 14" AFF. TYPICALLY UNO
- 10V FOURPLEX CONV. OUTLET MOUNT # 14" AFF. TYPICALLY
- 10V DUPLEX CONV. OUTLET W/ GROUNDFAULT CIRCUIT INTERRUPTER MOUNT # 13" AT BATHROOM VANITY
- WEATHERPROOF DUPLEX OUTLET
- EXIT LIGHT
- EXHAUST FAN

KEYED NOTE LEGEND:

- 2x4 WOOD STUD WALL - SPACE STUDS AT 16" O.C. MAX. SPACING. PROVIDE THERMAL BATT INSULATION AT EXTERIOR WALLS.
- 2x6 WOOD STUD WALL - SPACE STUDS AT 16" O.C. MAX. SPACING.
- 36" GRAB BAR - BOBRICK B-6806x36 OR APPROVED EQUAL.
- 42" GRAB BAR - BOBRICK B-6806x42 OR APPROVED EQUAL.
- H.C. ACCESSIBLE WATER CLOSET.
- H.C. ACCESSIBLE WALL HUNG LAVATORY AND FAUCETS.
- VINYL HORIZONTAL SLIDING WINDOW (WHITE) 4'-0" x 3'-0". ALL GLAZING WITHIN 24" OF DOOR TO BE TEMPERED.
- NEW 3'-0" x 6'-8" INSULATED METAL EXTERIOR DOOR FRAME AND HARDWARE. G.C. TO COORDINATE DOOR LOCATION ON SIDE OF BUILDING WITH RAMP. SEE AS201 FOR RAMP LOCATIONS.
- VCT TILE FLOORING.
- METAL THRESHOLD.
- LOCATION OF THROUGH WALL HVAC UNIT (GAS) - IF (1) UNIT PROVIDED, COORDINATE LOCATION WITH ARCHITECT.
- 2'-0" x 4'-0" SUSPENDED CEILING TILE AND GRID (PROVIDE VINYL FACED AT TOILET ROOMS).
- EXHAUST FAN.
- 4 LAMP RECESSED FLUORESCENT FIXTURE.
- NEW 3'-0" x 6'-8" SOLID CORE WOOD INTERIOR DOOR. FRAME AND HARDWARE - DOORS TO BE COMMERCIAL GRADE 1 3/4" THICK.
- LOCATION OF ELECTRICAL PANEL.
- WATER HEATER.
- LINE OF CONT. GRADE BEAM - G.C. TO COORDINATE EXACT LOCATION WITH MODULAR BUILDING MANUF.
- CONTINUOUS REINFORCED CONCRETE FOOTING AND STEM WALL (AT PERIMETER ONLY).
- PREFABRICATED STEEL LANDING AND RAILING - SEE C5/AE102.
- TOILET PAPER DISPENSER - BOBRICK B-2888 OR APPROVED EQUAL.
- MIRROR - BOBRICK B-165-2436 OR APPROVED EQUAL (9/2E 24"x36").
- SOAP DISPENSER - BOBRICK B-2112 OR APPROVED EQUAL.
- PAPER TOWEL DISPENSER / WASTE RECEPTACLE - BOBRICK B-3809 OR APPROVED EQUAL.
- LOCATION OF 20"x20" VENTED ACCESS PANEL.
- UNISEX RESTROOM SIGN (PLASTIC SURFACE MOUNTED - SEE DETAIL A-4/AE101).
- EXTERIOR LIGHT FIXTURE.
- FLOOR DRAIN WITH TRAP PRIMER.
- REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF TELEPHONE BOARD AND EQUIPMENT THIS AREA.
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- LOCATION OF FIRE EXTINGUISHER IN CABINET.
- NEW GUTTER AND DOWNSPOUT. SIZE AND COLOR TO MATCH EXISTING RTI CLASSROOMS - SEE CIVIL DRAWINGS. GUTTER TO RUN FULL LENGTH OF BUILDING.
- ACCESSIBLE WATER COOLER. PROVIDE GFI OUTLET.
- CARPET FLOORING W/ MTL. CARPET EDGE.

ARCHITECT PROJECT #1031



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R.T.I. CLASSROOMS
 13,14,15,16
 CAMP WILLIAMS
 DRAPER, UTAH

SHEET NAME:

FLOOR PLAN 14 & 16
 MATERIAL GUIDE
 CEILING PLAN/ FTG.
 AND FNDTN. PLAN
 GRADE BEAM LAYOUT

REVISIONS

MARK	DATE	DESCRIPTION

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AE101

SHEET 9 OF 14

MATERIAL / DESIGN GUIDELINES:

BUILDING LENGTH: 40
 BUILDING WIDTH: 32
 TOTAL SQUARE FOOTAGE: 1280

CODES:
 IBC 2003
 OCCUPANCY CONST. TYPE
 NEC
 IFC
 IMC

DESIGN LOADS:
 FLOOR
 ROOF
 WIND
 UPLIFT

CHASIS:
 TYPE
 BEAM SIZE
 AXLES
 TIRES
 HITCH
 BOTTOM BOARD

FLOOR CONSTRUCTION:
 JOISTS
 DECKING
 INSULATION
 VAPOUR BARRIER

FLOOR COVERING:
 FLOORING

EXTERIOR WALL CONST:
 WALL STUDS
 INSULATION
 SHEATHING
 SIDING
 TRIM
 INTERIOR FINISH

INTERIOR WALL CONSTRUCTION:
 LINEAL FEET
 CEILING HEIGHT
 WALL STUDS
 WALL COVERING
 INSULATION
 WAINSCOT

ROOF CONSTRUCTION:
 TYPE
 JOIST OR RAFTER
 SHEATHING
 ROOF FINISH

INSULATION:
 INTERIOR FINISH
 EAVES AND OVERHANGS
 RAIN GUTTER AND DN. SPOUT.
 VENTING

EXTERIOR DOOR:
 SIZE
 QUANTITY
 TYPE
 FRAME
 LOCKSET
 CLOSER
 FRAMING
 CLOSER

INTERIOR DOORS:
 SIZE
 QUANTITY
 TYPE
 FRAME OF JAMB
 HARDWARE

WINDOWS:
 TYPE
 GLASS
 QUANTITY
 MINIBLINDS
 SECURITY SCREENS

ELECTRICAL:
 PANEL SIZE
 SERVICE
 RACEWAY
 LIGHTS (INTERIOR)
 LIGHTS (EXTERIOR)
 EXIT SIGNS
 RECEPTACLES
 DUPLEX
 GFI

HVAC:
 UNIT TYPE
 SIZE
 BRAND
 SUPPLY DUCT SIZE
 RETURN DUCT SIZE
 DIFFUSERS
 RETURN AIR GRILLES - TYP. AT END WALLS
 INSULATED CROSSOVERS
 EXHAUST FANS

PLUMBING:
 WATER LINE
 DRAIN LINE
 WARMER EMAX
 LAVATORY AND FAUCET
 WATER CLOSET
 ADA COMPLIANT
 ACCESSORIES
 FLOOR DRAIN (QTY. 2)

RAMP / STAIR:

SEE STRUCTURAL BASIS OF DESIGN SHEET AE002

OUTRIGGER @ 8'-0" O.C.
 1"11" BEAM
 3 EACH
 6 EACH FLOOR
 DETACHABLE
 40 MIL PLASTIC

2x8 AT 16" O.C.
 3/4" TAG PLYWOOD
 R-19 FIBERGLASS
 40 MIL PLASTIC

12"x12"x1/8" VCT TILE
 CARPET TILE - SHAW CONSTELLATION
 COLOR SELECTED BY OWNER STATE
 CONTRACT #MA 1863 CARPET
 2 1/2" VINYL

2x4 WOOD @ 16" O.C.
 R-11 FIBERGLASS W/V.B.
 NONE
 1/16" ABITCO TI-11 -PAINT
 1/4" AND 1/8" PRO TRIM - PAINTED
 5/8" GYPSUM - MATCHING BATTS

AS INDICATED ON PLAN
 AS INDICATED ON PLAN
 METAL OR WOOD
 5/8" GYP. BD. PAINTED
 NONE
 IN RESTROOMS FRP (TO 4'-0")

PITCHED ROOF
 MONO TRUSS @ 16" O.C.
 1/16" OSB
 235 LB ASPHALT SHINGLES
 OVER 30 LB FELT
 R-30 FIBERGLASS
 T-GIRD 2x4 PANELS
 3" ON SIDE WALLS
 CONT. BOTH SIDES OF BLDG.

PER CODE

SEE HARDWARE SCHEDULE THIS SHEET
 3'-0" x 6'-8" x 1 3/4" COMMERCIAL GRADE
 2 EA.
 ACTIVE STEEL
 ALUMINUM
 LEVER LOCKSET - COORD. W/ UTNG.
 PER HARDWARE SCHEDULE
 YES
 CLOSER
 YES

SEE HARDWARE SCHEDULE THIS SHEET
 3'-0" x 6'-8" x 1 3/4" COMMERCIAL GRADE
 6 EA. (1 PAIR)
 HOLLOW CORE WOOD - PAINT.
 HOLLOW METAL - PAINT
 LEVER STYLE LOCKSET

WHITE VINYL SLIDER CLEAR INSULATED
 GLASS
 4'-0" x 3'-0"
 YES
 YES

SEE DIVISION 16000 OF PROJECT MANUAL
 THROUGH FLOOR
 RUN ELECTRICAL WIRING IN 3/4" MIN.
 CONDUIT W/ THIN OR METAL CLAD CABLE.
 2x4 4 1x4 FLUORESCENT (SEE PLAN FOR
 QUANTITY AND LAMP COUNT) ELECTRONIC
 BALLAST AND 18 LAMPS
 VANDAL 10 WATT HIGH PRESSURE SODIUM
 ON PHOTOCELL SWITCH
 YES - QUANTITY (2)
 STD DUPLEX (11 TOTAL)
 WEATHER PROOF DUPLEX (1 TOTAL)
 GFCI DUPLEX (5 TOTAL)

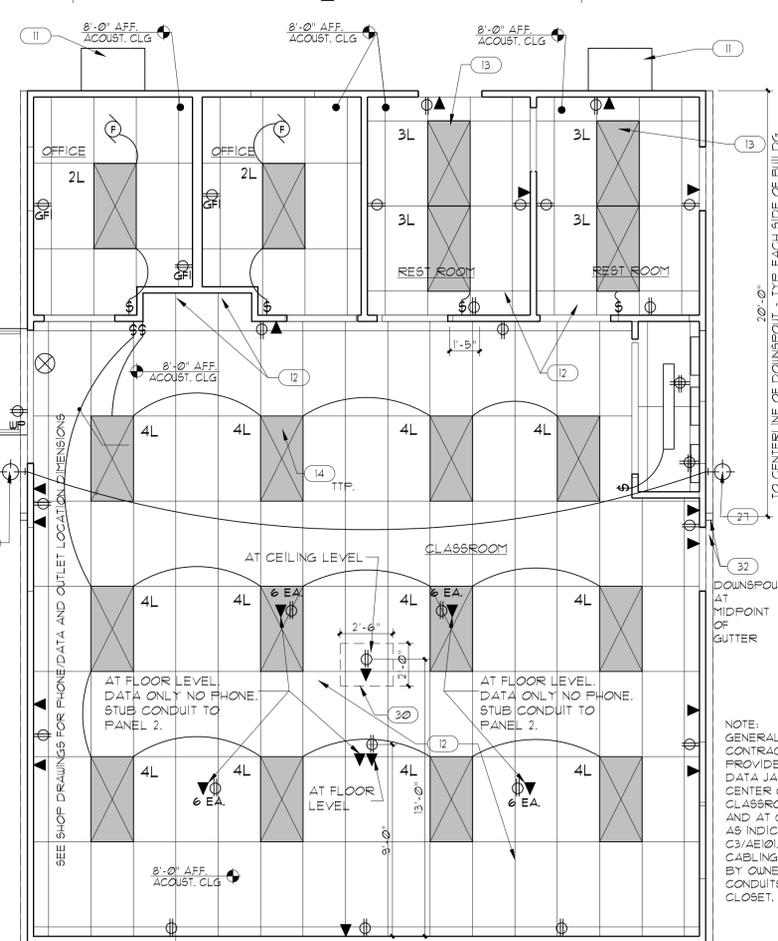
WALL MOUNT - NATURAL GAS
 1 TON PER 500 sq. Ft.
 BRAND
 2x8 - FIBERGLASS
 AT END WALL
 SIZE - 12x12 - QUANTITY 8 EA.
 QUANTITY 1 EA.

8" QUANTITY 4 EA.
 QUANTITY 2 EA.

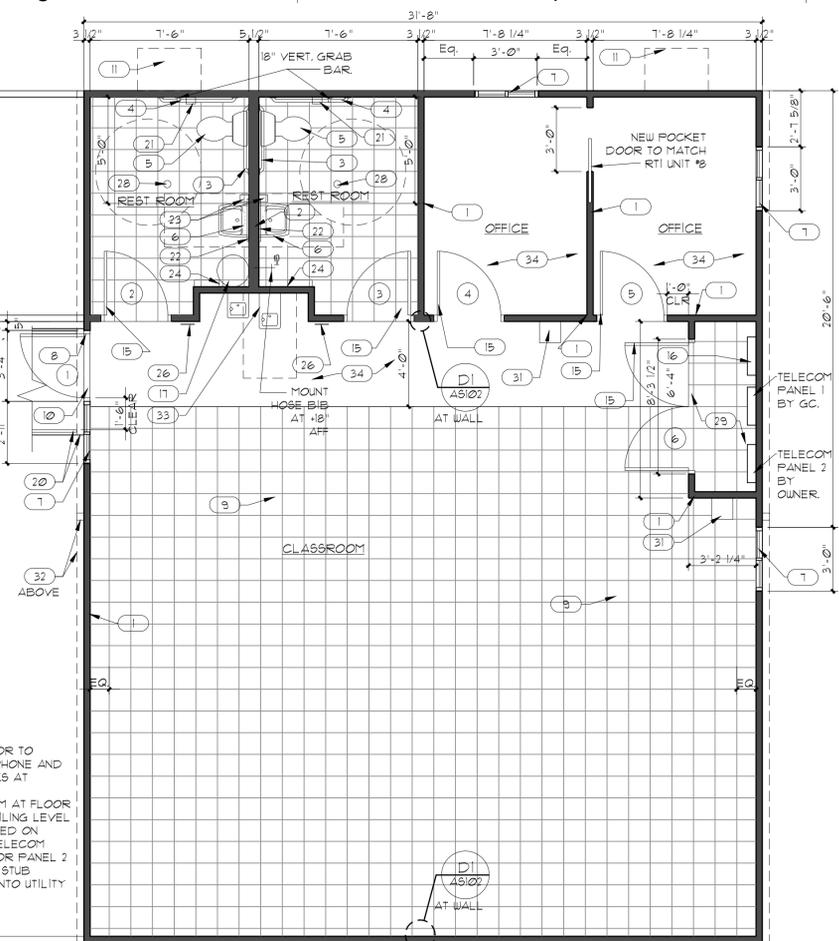
COPPER 3/4" SERVICE
 ABS (MAIN DRAIN SIZE 3")
 6 GAL. - QUANTITY 2
 WALL HUNG - QUANTITY 2
 ELONGATED - QUANTITY 2
 YES
 SEE PLAN

PRE FABRICATED METAL RAMP AND
 STAIRS - PROVIDE AND INSTALLED AS
 INDICATED ON PLANS

NOTE: NEW MODULAR CLASSROOMS AND ALL ACCESSORIES TO MATCH EXISTING MODULAR CLASSROOMS AND ACCESSORIES UNO.



REFLECTED CEILING / POWER PLAN SCALE: 1/4" = 1'-0"



MODULAR CLASSROOMS #13 & 15 FLOOR PLAN SCALE: 1/4" = 1'-0"

HARDWARE SCHEDULE GROUP 1 (FOR DOOR 1)

QTY	ITEM	MODEL	FINISH	MANUFACTURER
15 PAIR	BUTTS	BB5006 45 x 45	26D	BOMMER
1 EA.	PANIC	98L x 1C BEST CYL	26D	VON DUPRN
1 EA.	CLOSER	F4041 SPRING CUSH	-	LCN
1 EA.	KICKPLATE	10" x 2" LDW	32D	QUALITY
1 EA.	THRESHOLD	425	-	NG
1 EA.	WEATHERSTRIP	160	-	NG
1 EA.	SWEEP	200	-	NG

HARDWARE SCHEDULE GROUP 2 (FOR DOORS 2 & 3)

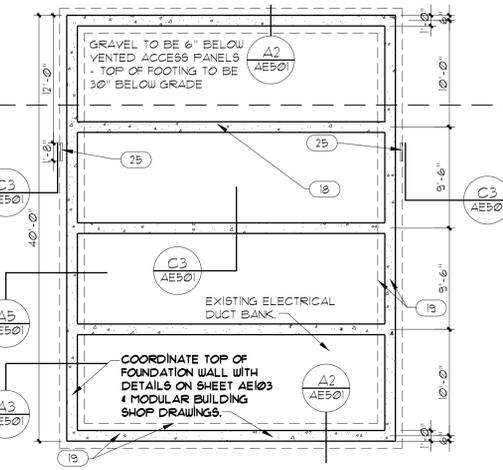
QTY	ITEM	MODEL	FINISH	MANUFACTURER
15 PAIR	BUTTS	BB5000 45 x 45	26D	BOMMER
1 EA.	PRIVACY	93KO-L-15CX	26D	BEST
1 EA.	KICKPLATE	10" x 2" LDW	32D	QUALITY
1 EA.	SWEEP	301	26D	QUALITY

HARDWARE SCHEDULE GROUP 3 (FOR DOORS 4 & 5)

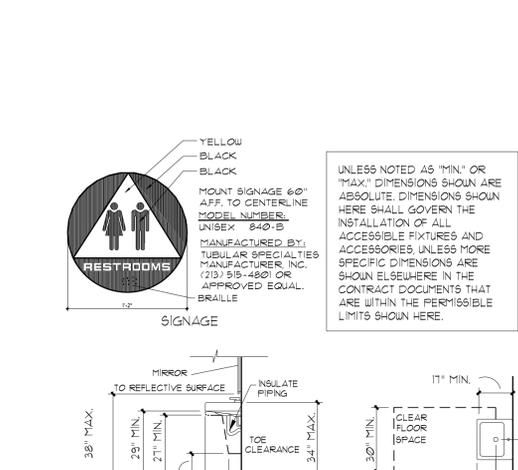
QTY	ITEM	MODEL	FINISH	MANUFACTURER
15 PAIR	BUTTS	BB5000 45 x 45	26D	QUALITY
1 EA.	LOCKSET	93K1-AB-15C	616	BEST
1 EA.	STOP	302	26D	QUALITY

HARDWARE SCHEDULE GROUP 4 (FOR DOOR 6)

QTY	ITEM	MODEL	FINISH	MANUFACTURER
3 PAIR	BUTTS	BB5000 45 x 45	26D	QUALITY
1 EA.	LOCKSET	93K1-AB-15C	616	BEST
2 EA.	STOP	302	26D	QUALITY
2 EA.	FLUSH BOLT	1358-12"	26D	QUALITY



GRADE BEAM / FOOTING AND FOUNDATION LAYOUT SCALE: 1/8" = 1'-0"



H.C. ACCESSIBLE FIXTURE GUIDELINES AND SIGNAGE SCALE: NO SCALE

GENERAL NOTES AND LEGEND:

- SEE SHEET AE001 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO OWNER / ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- GENERAL CONTRACTOR TO COORDINATE UTILITY CONNECTIONS AT BUILDINGS WITH MODULAR BUILDING MANUFACTURER.

- WALL MOUNTED EXTERIOR LIGHTING
- 2x4 LAY-IN FLUORESCENT LIGHT FIXTURE
SEE PLAN FOR LAMP COUNT
SEE ELECTRICAL FOR EMERGENCY FIXTURES
- 2L (2) LAMP FIXTURE
3L (3) LAMP FIXTURE
4L (4) LAMP FIXTURE
- 4'-0" TWO LAMP SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE
- TELEPHONE AND DATA JACK AT 14" AFF. TYP. IN CONDUIT UNLESS HEIGHT IS NOTED - PROVIDE (2) CAT 5E WIRES (8/230NS OR EQ.) 1/2 FOOT PATCH PANELS AT EA. LOCATION
- SINGLE POLE SWITCH
- 100V DUPLEX CONV. OUTLET
MOUNT # 14" AFF. TYPICALLY UNO
- 100V FOURPLEX CONV. OUTLET
MOUNT # 14" AFF. TYPICALLY
- 100V DUPLEX CONV. OUTLET W/ GROUNDFAULT CIRCUIT INTERRUPTER
MOUNT # 138" AT BATHROOM VANITY
- WEATHERPROOF DUPLEX OUTLET
- EXIT LIGHT
- EXHAUST FAN

KEYED NOTE LEGEND:

- 2x4 WOOD STUD WALL - SPACE STUDS AT 16" O.C. MAX. SPACING. PROVIDE THERMAL BATT INSULATION AT EXTERIOR WALLS.
- 2x6 WOOD STUD WALL - SPACE STUDS AT 16" O.C. MAX. SPACING.
- 36" GRAB BAR - BOBRICK B-6806x36 OR APPROVED EQUAL.
- 42" GRAB BAR - BOBRICK B-6806x42 OR APPROVED EQUAL.
- H.C. ACCESSIBLE WATER CLOSET.
- H.C. ACCESSIBLE WALL HUNG LAVATORY AND FAUCETS.
- VINYL HORIZONTAL SLIDING WINDOW (WHITE) 4'-0" x 3'-0". ALL GLAZING WITHIN 24" OF DOOR TO BE TEMPERED.
- NEW 3'-0" x 6'-8" INSULATED METAL EXTERIOR DOOR FRAME AND HARDWARE. G.C. TO COORDINATE DOOR LOCATION ON SIDE OF BUILDING WITH RAMP. SEE A5201 FOR RAMP LOCATIONS.
- VCT TILE FLOORING.
- METAL THRESHOLD.
- LOCATION OF THROUGH WALL HVAC UNIT (GAS) - IF (1) UNIT PROVIDED, COORDINATE LOCATION WITH ARCHITECT.
- 2'-0" x 4'-0" SUSPENDED CEILING TILE AND GRID (PROVIDE VINYL FACED AT TOILET ROOMS).
- EXHAUST FAN.
- 4 LAMP RECESSED FLUORESCENT FIXTURE.
- NEW 3'-0" x 6'-8" SOLID CORE WOOD INTERIOR DOOR. FRAME AND HARDWARE - DOORS TO BE COMMERCIAL GRADE 1 3/4" THICK.
- LOCATION OF ELECTRICAL PANEL.
- WATER HEATER.
- LINE OF CONT. GRADE BEAM - G.C. TO COORDINATE EXACT LOCATION WITH MODULAR BUILDING MANUF.
- CONTINUOUS REINFORCED CONCRETE FOOTING AND STEM WALL (AT PERIMETER ONLY).
- REFABRICATED STEEL LANDING AND RAILING - SEE C5/AE102.
- TOILET PAPER DISPENSER - BOBRICK B-2888 OR APPROVED EQUAL.
- MIRROR - BOBRICK B-165-2436 OR APPROVED EQUAL (SIZE 24"x36").
- SOAP DISPENSER - BOBRICK B-2112 OR APPROVED EQUAL.
- PAPER TOWEL DISPENSER / WASTE RECEPTACLE - BOBRICK B-3809 OR APPROVED EQUAL.
- LOCATION OF 20"x20" VENTED ACCESS PANEL.
- UNISEX RESTROOM SIGN (PLASTIC SURFACE MOUNTED - SEE DETAIL A-4/AE102).
- EXTERIOR LIGHT FIXTURE ON PHOTOCELL SWITCH.
- FLOOR DRAIN WITH TRAP PRIMER.
- REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF TELEPHONE BOARD AND EQUIPMENT THIS AREA.
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- NEW GUTTER AND DOWNSPOUT. SIZE AND COLOR TO MATCH EXISTING RTI CLASSROOMS - SEE CIVIL DRAWINGS. GUTTER TO RUN FULL LENGTH OF BUILDING.
- DRINKING FNS. SEE A4/AE102. PROVIDE GFI OUTLET.
- CARPET FLOORING. W/ MTL. CARPET EDGE.



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 AND FNDTN. PLAN
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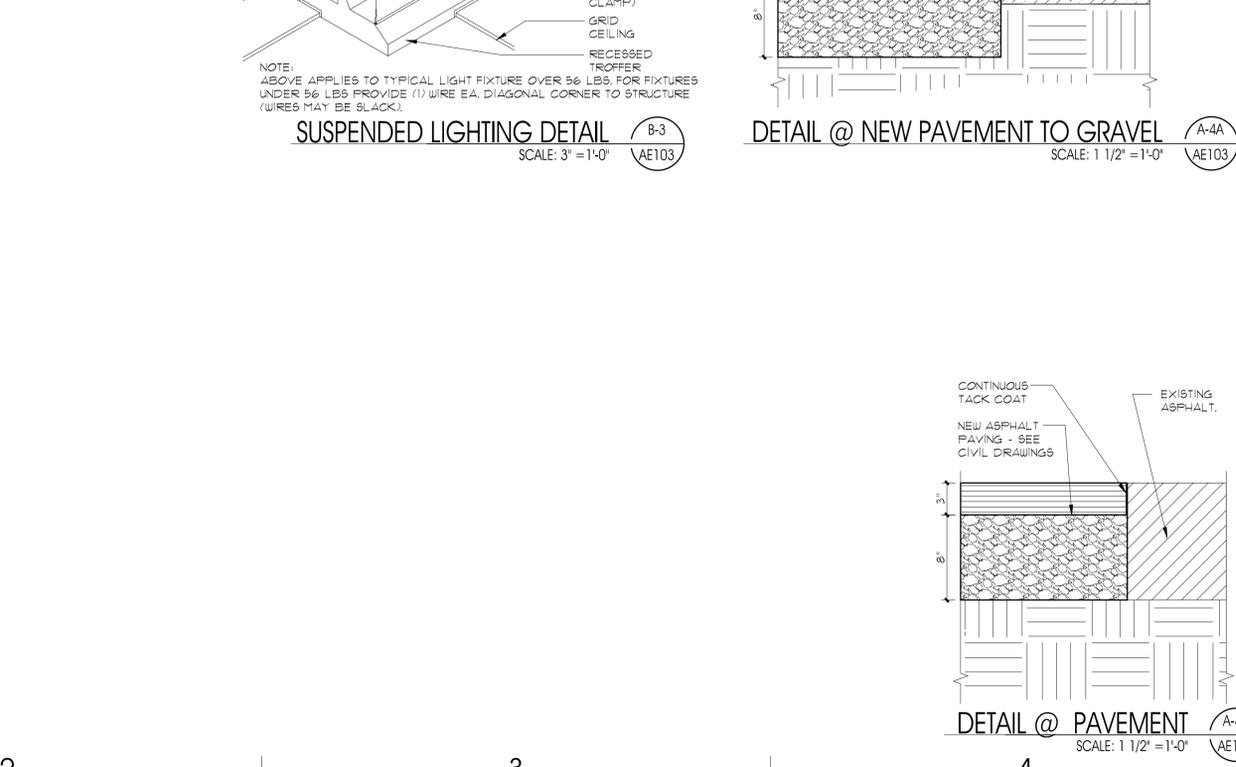
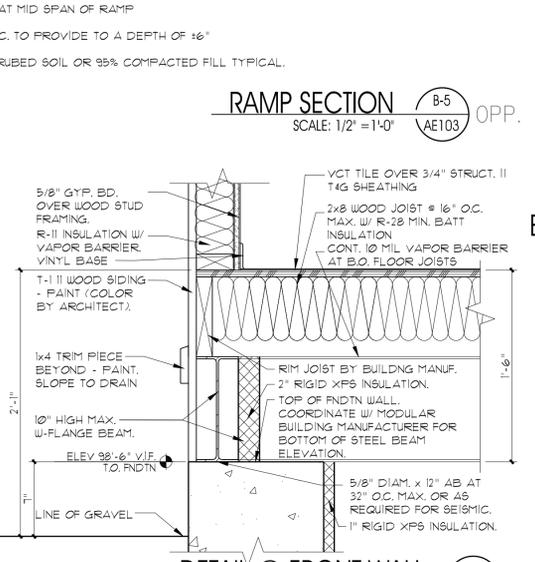
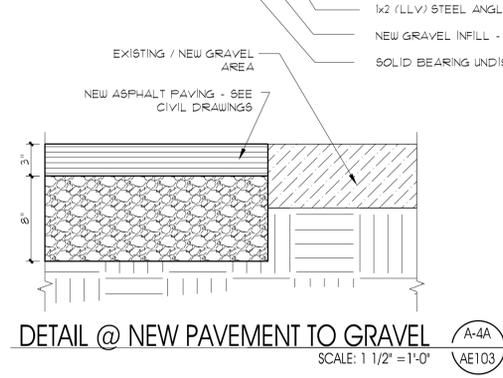
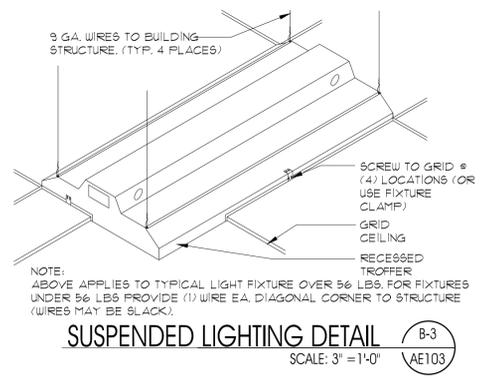
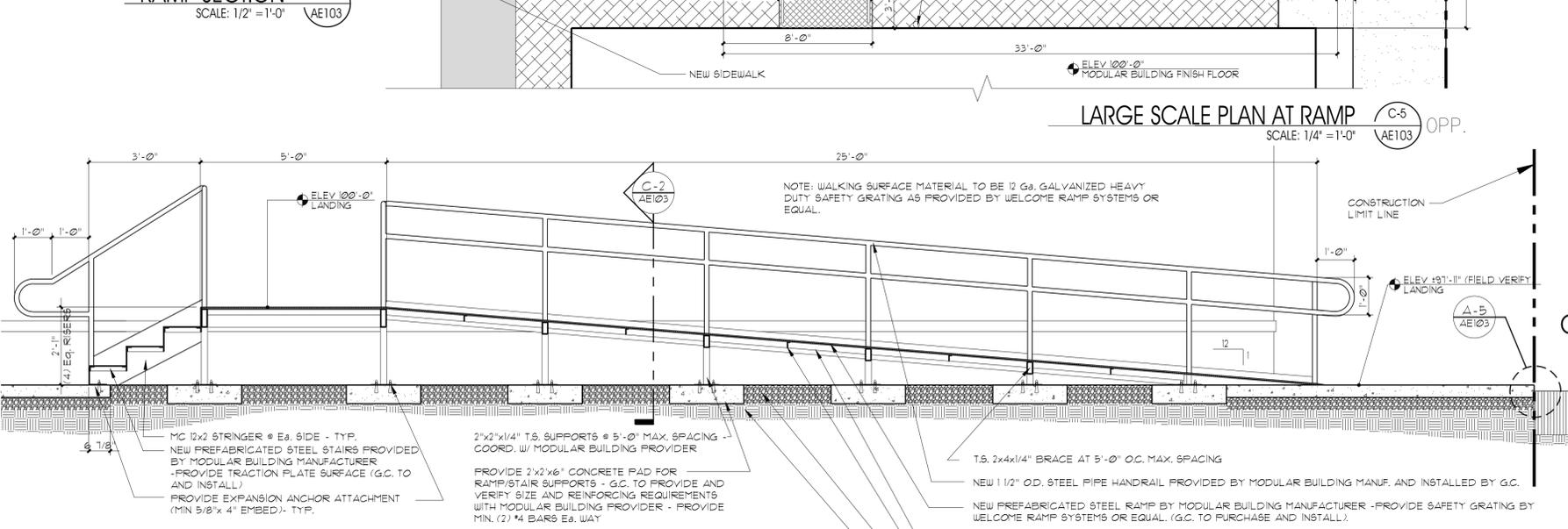
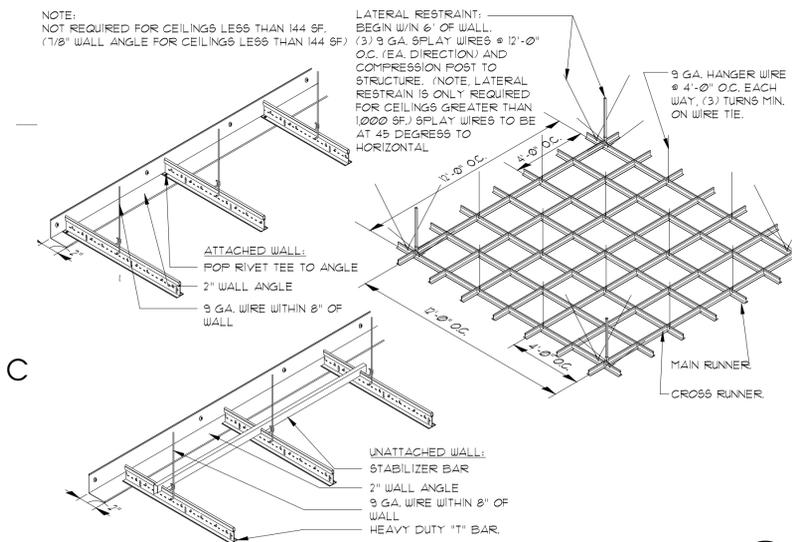
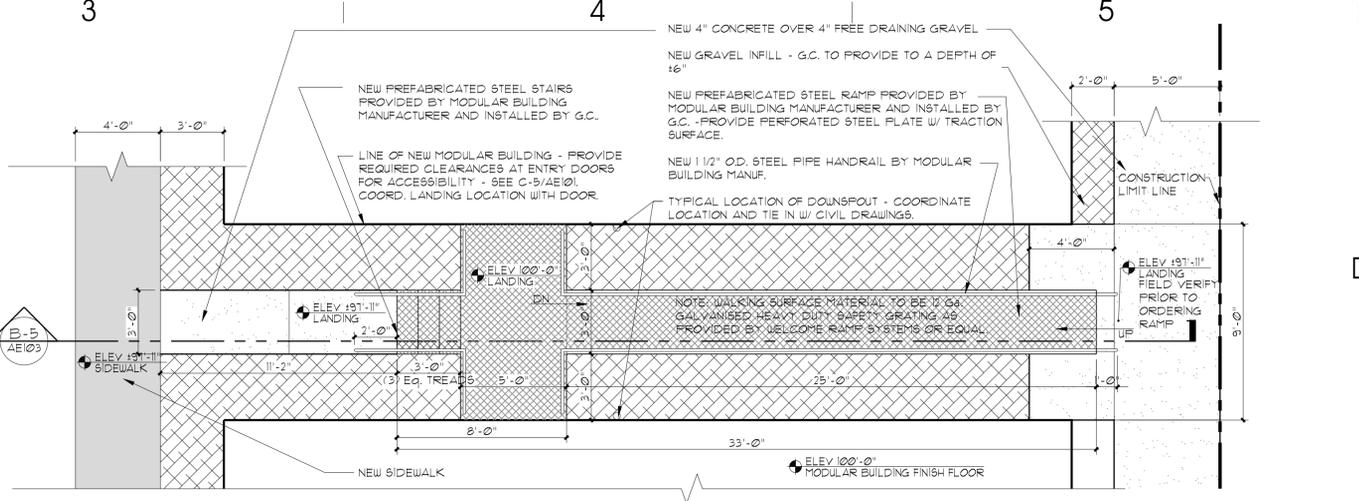
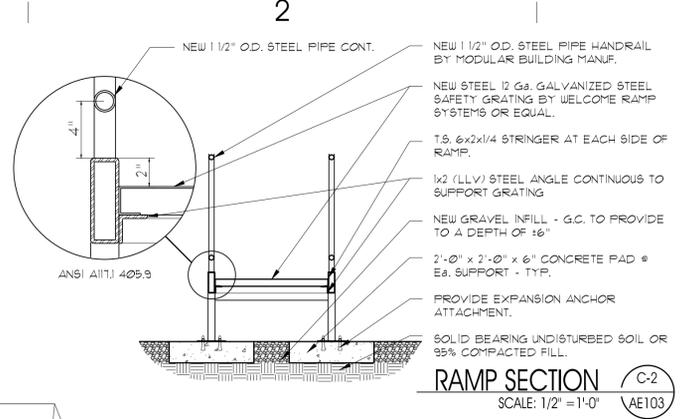
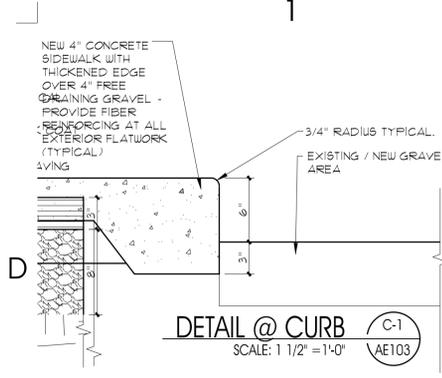
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R.T.I CLASSROOMS
13,14,15,16
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SHEET NAME:
RAMP PLAN,
SECTIONS
DETAILS

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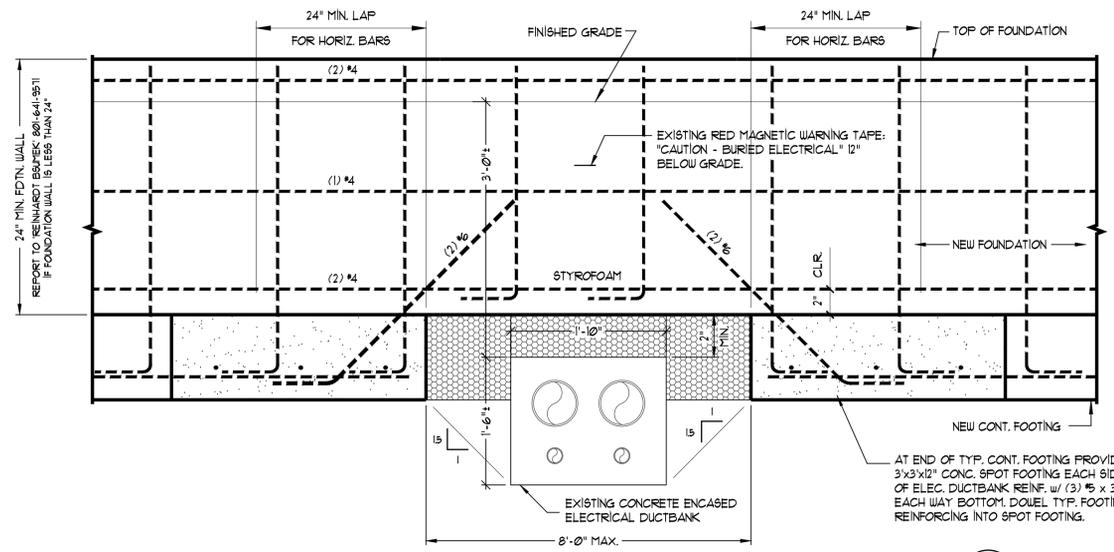
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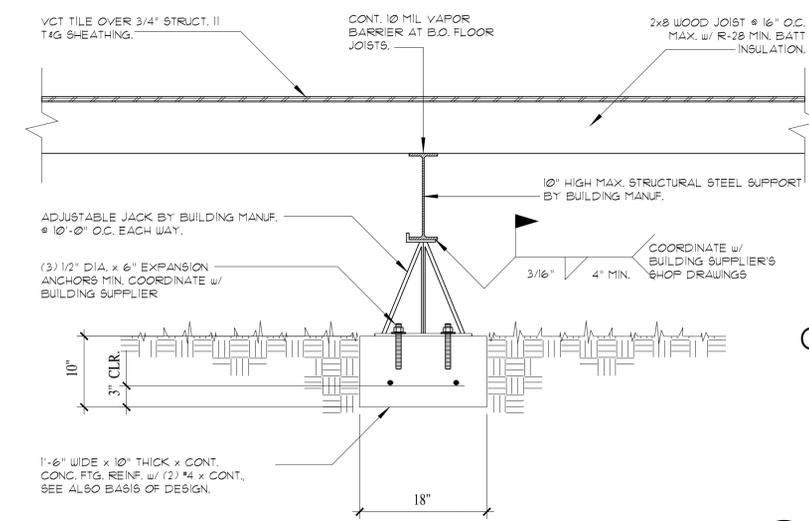
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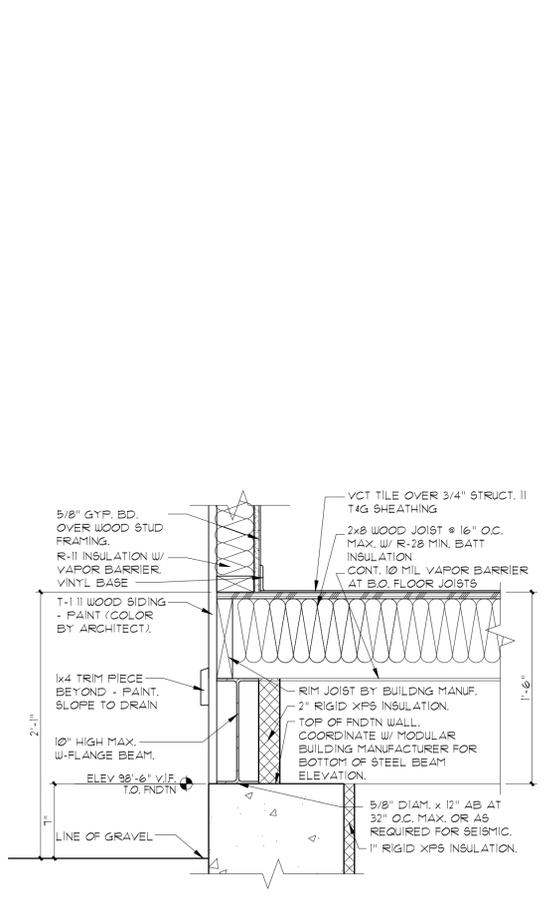
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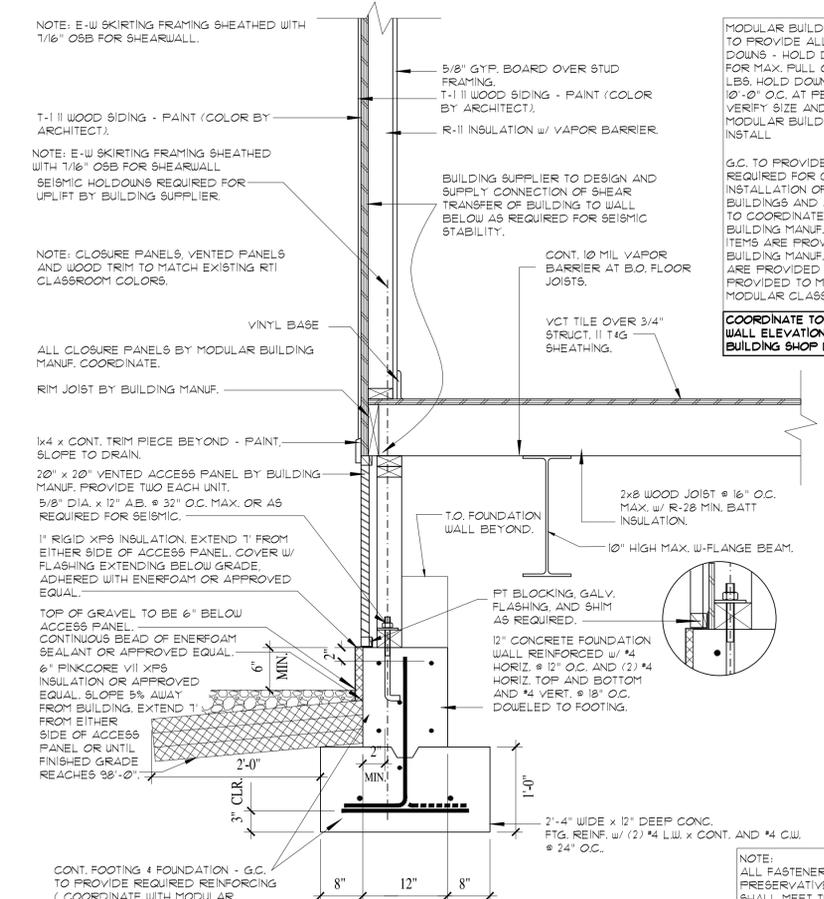
DUCT BANK SECTION C3
 SCALE: 1" = 1'-0" AE501



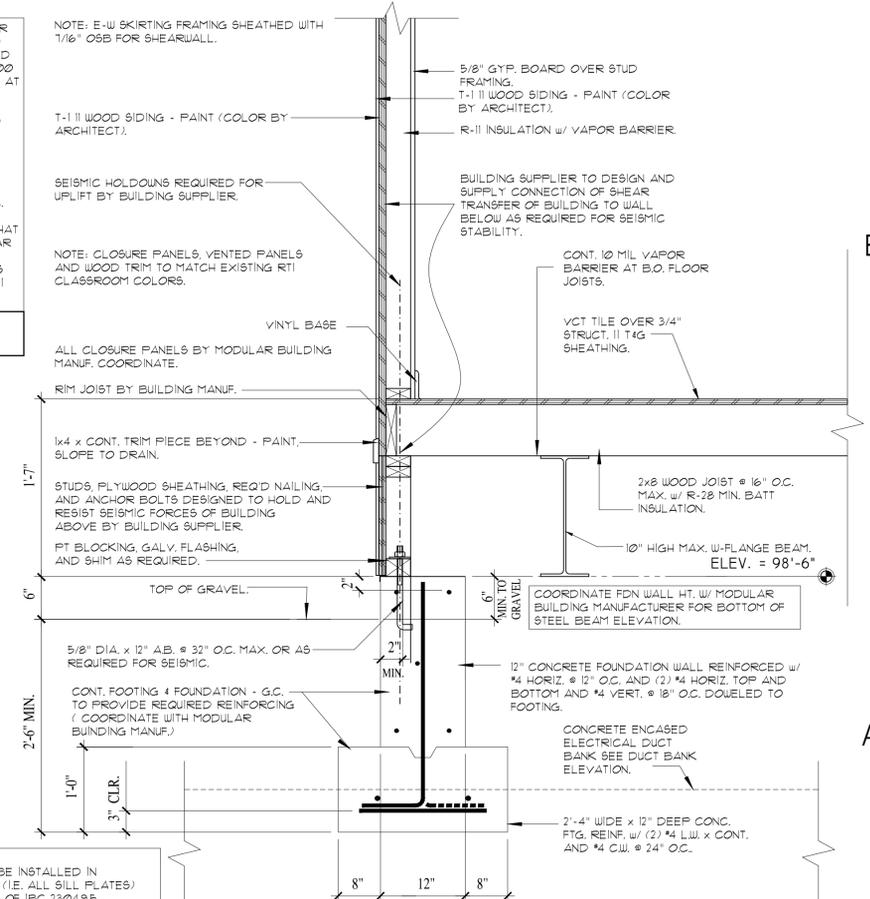
DETAIL @ SUPPORT C5
 SCALE: 1" = 1'-0" AE501



DETAIL @ FRONT WALL A2
 SCALE: 1 1/2" = 1'-0" AE501



DETAIL @ ACCESS PANEL & FROST PROTECTED FOOTING A3
 SCALE: 1" = 1'-0" AE501



DETAIL @ EXTERIOR WALL A5
 SCALE: 1" = 1'-0" AE501

R.T.I CLASSROOMS
 13,14,15,16
 CAMP WILLIAMS
 DRAPER, UTAH

SHEET NAME:

RAMP PLAN,
 SECTIONS
 DETAILS

REVISIONS

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AE501

SHEET 12 OF 14

GENERAL ELECTRICAL NOTES:

- BURY ALL UNDERGROUND LOW VOLTAGE (600 VOLT AND BELOW) CONDUITS MINIMUM 24" BELOW FINISH GRADE TO TOP OF CONDUIT.
 - BURY ALL UNDERGROUND MEDIUM VOLTAGE CONDUIT MINIMUM 36" BELOW FINISH GRADE TO TOP OF CONCRETE ENCASUREMENT.
 - PROVIDE RED MAGNETIC WARNING TAPE STATING "CAUTION - BURIED ELECTRICAL" 12 INCHES BELOW GRADE DIRECTLY ABOVE ALL UNDERGROUND CONDUIT.
 - USE GALVANIZED RIGID STEEL CONDUIT (GRC) FOR ALL CONDUIT THROUGH GRADE AND ELBOWS IN PVC CONDUIT RUNS. CORROSION PROTECT GRC CONDUIT IN ACCORDANCE WITH SPECIFICATION SECTION 260933.
 - COORDINATE ELECTRICAL SITE WORK WITH ARCHITECTURAL SITE PLANS, SHEET A9101 & A9102, GENERAL CONTRACTOR, MECHANICAL CONTRACTOR AND LANDSCAPING CONTRACTOR. INSTALL UNDERGROUND CONDUITS SUCH THAT CONDUITS WILL NOT BE DAMAGED BY SUBSEQUENT INSTALLATION OF OTHER UTILITIES, TREES, SHRUBBERY, ETC.
 - LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, CONDUCTORS, CONDUITS, ETC. ARE BASED ON FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
1. POWER OUTAGES TO EXISTING BUILDINGS WHICH REMAIN WILL NOT BE ALLOWED EXCEPT AS DIRECTED BY OWNER. SUBMIT WRITTEN REQUESTS FOR POWER OUTAGES TO THE OWNER MINIMUM SEVEN (7) DAYS PRIOR TO ANY PROPOSED POWER OUTAGES. DO NOT TAKE ANY POWER OUTAGES WITHOUT OWNER'S PERMISSION.

ELECTRICAL KEYED NOTES:
FOR SHEET E-101 ONLY

- (E1) EXISTING OVERHEAD PRIMARY POWER LINE AND POLES TO BE REMOVED BY OTHERS UNDER A CONCURRENT PROJECT.
 - (E2) EXISTING POLE MOUNT TRANSFORMER TO BE REMOVED BY OTHERS UNDER A CONCURRENT PROJECT.
 - (E3) EXISTING PAD MOUNT PRIMARY SWITCH PROVIDED BY OTHERS UNDER A CONCURRENT PROJECT.
 - (E4) EXISTING CONCRETE ENCASED UNDERGROUND PRIMARY ELECTRICAL DUCTBANK PROVIDED BY OTHERS UNDER A CONCURRENT PROJECT.
 - (E5) NEW PAD MOUNT TRANSFORMER AND RECONNECT OF EXISTING UNDERGROUND SECONDARY ELECTRICAL SERVICES TO EXISTING BUILDING TO BE PROVIDED BY OTHERS UNDER A CONCURRENT PROJECT.
 - (E6) EXISTING UNDERGROUND SECONDARY ELECTRICAL SERVICE EXISTING BLDG 1 METERING SWITCHGEAR TO BE REMOVED BY OTHERS UNDER A CONCURRENT PROJECT. EXISTING 4" PVC UNDERGROUND CONDUIT MAY BE REMOVED BY THIS CONTRACTOR WHERE CONFLICT OCCURS WITH NEW BUILDING FOOTINGS AND FOUNDATION.
 - (E7) EXISTING METERING SWITCHGEAR, 120/240 V, 1φ, TO REMAIN.
 - (E8) EXISTING BUILDING ELECTRICAL PANEL, 100 AMP, 120/240 V, 1φ, WITH 2" PVC UNDERGROUND ELECTRICAL SERVICE FROM METERING SWITCHGEAR TO REMAIN.
- (E9) NEW UNDERGROUND PRIMARY FEEDER FROM EXISTING PRIMARY SWITCH TO NEW PAD MOUNT TRANSFORMER. SEE POWER RISER DIAGRAM, SHEET E-601.
- (E10) CORE-DRILL EXISTING CONCRETE VAULT UNDER PRIMARY SWITCH FOR INSTALLATION OF NEW CONDUIT AND SEAL WATERTIGHT WITH NON-SHRINK GROUT OR OTHER METHOD ACCEPTABLE TO OWNER AND ENGINEER. PROVIDE RIGID STEEL CONDUIT TO EXTEND 5 FT FROM VAULT AND TERMINATE USING END BELLS WITH GROUNDING LUG TO MATCH EXISTING CONDUIT INSTALLATION.
- (E11) NEW PAD MOUNT SINGLE PHASE TRANSFORMER. SEE SINGLE LINE DIAGRAM, SHEET E-601.
- (E12) NEW UNDERGROUND ELECTRICAL SERVICE FROM EXISTING TRANSFORMER TO NEW METERING SWITCHGEAR. SEE POWER RISER DIAGRAM, SHEET E-601 FOR CONDUIT AND WIRE SIZES.
- (E13) NEW METERING SWITCHGEAR TO SERVE NEW BUILDINGS 13 THRU 16, SEE POWER RISER DIAGRAM, SHEET E-601.
- (E14) PROVIDE FOOTING ELECTRODE IN BLDG 13 FOOTING FOR NEW METERING SWITCHGEAR GROUNDING ELECTRODE.
- (E15) NEW 2" PVC UNDERGROUND ELECTRICAL SERVICE FROM NEW METERING SWITCHGEAR TO NEW ELECTRICAL PANEL, 100 AMP, 120/240 V, 1φ, FURNISHED WITH NEW CLASSROOM BUILDINGS. SEE POWER RISER DIAGRAM, SHEET E-601 FOR CONDUIT AND WIRE SIZES.
- (E16) PROVIDE SLEEVE THROUGH NEW BUILDING FOOTING AND/OR FOUNDATION AS REQUIRED FOR UNDERGROUND ELECTRICAL AND TELECOM SERVICE CONDUITS. COORDINATE REQUIREMENTS WITH GENERAL CONTRACTOR.
- (E17) NEW PANEL 'D1' FOR BUILDING 13 SHALL HAVE MINIMUM SHORT CIRCUIT CURRENT RATING OF 22,000 AMPERES. ALL OTHER PANELS MAY HAVE STANDARD 10,000 AMPERE SHORT CIRCUIT CURRENT RATINGS.

TELECOM KEYED NOTES:
FOR SHEET E-101 ONLY

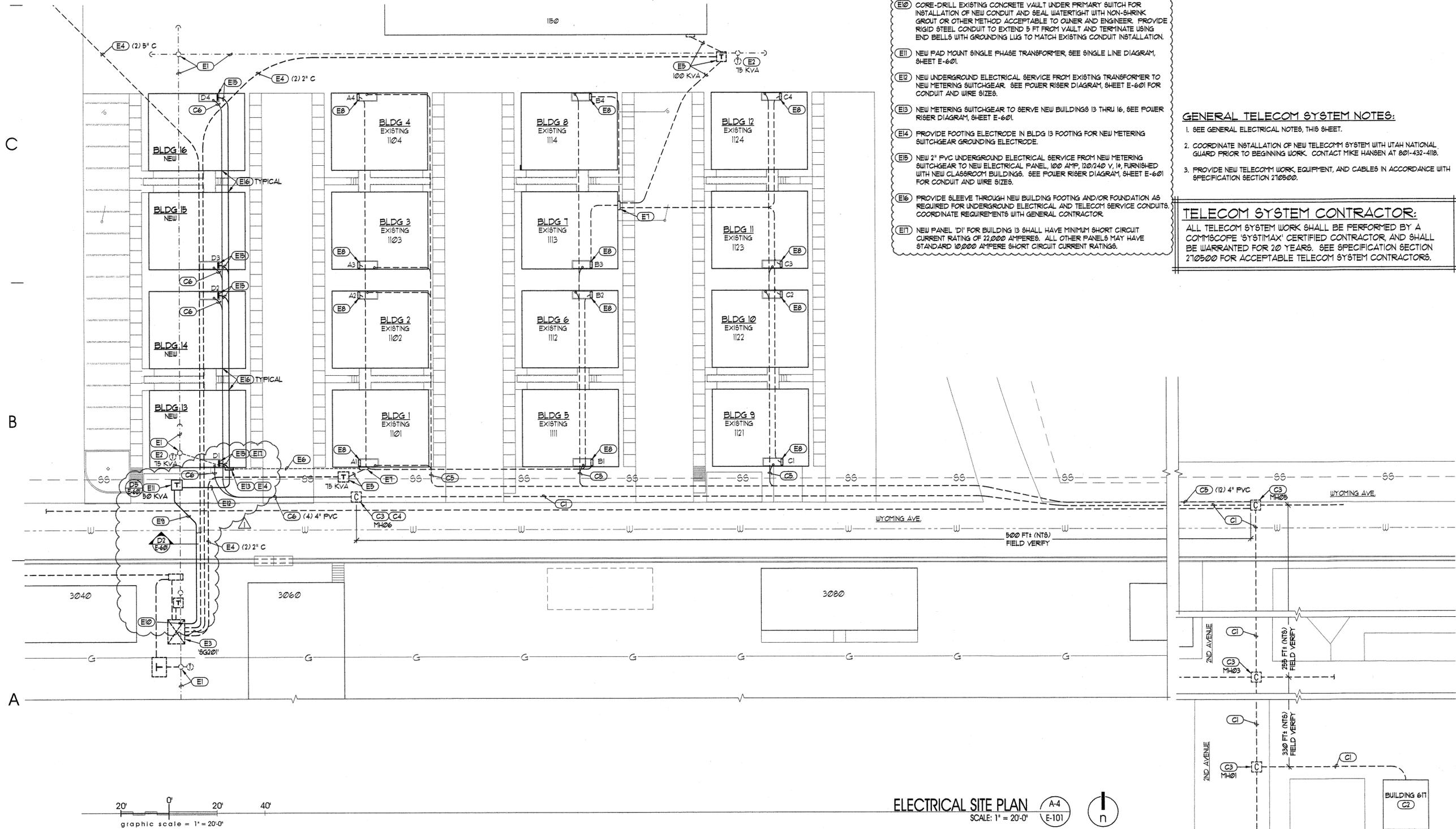
- (C1) PROVIDE NEW 100 PAIR TELEPHONE CABLE AND NEW 24 STRAND FIBER OPTIC CABLE IN EXISTING 4" UNDERGROUND CONDUIT DUCTBANK FROM EXISTING MDF IN BUILDING 610 TO NEW SPlice CLOSURES IN EXISTING MANHOLE "M406" TO SERVE NEW BUILDINGS 13 THRU 16. FIELD COORDINATE SPECIFIC CONDUIT USAGE WITH UTAH STATE TELECOMMUNICATIONS MANAGER PRIOR TO INSTALLING NEW CABLES.
- (C2) EXISTING TELECOM MAIN DISTRIBUTION FRAME (MDF) FOR CAMP WILLIAMS IN EXISTING BUILDING 610. PROVIDE NEW AVAYA 100 PAIR BURGE PROTECTION 100 STYLE TERMINAL FOR NEW TELEPHONE CABLE. PROVIDE NEW SECOR CCH03U 12 STRAND RACK MOUNT LIU FOR NEW FIBER OPTIC CABLE.
- (C3) EXISTING UNDERGROUND TELECOM MANHOLE TO REMAIN. PROVIDE MINIMUM 20 FOOT MAINTENANCE LOOP OF NEW CABLES IN EXISTING MANHOLES.
- (C4) PROVIDE NEW SPlice CLOSURES IN EXISTING MANHOLE "M406" FOR NEW TELEPHONE AND NEW FIBER OPTIC CABLES. REPLACE EXISTING LID MARKED "SEWER" WITH NEW LID MARKED "COMMUNICATION".
- (C5) EXISTING 25 PAIR TELEPHONE CABLE, AND 4 STRAND FIBER OPTIC CABLE IN 4" PVC UNDERGROUND TELECOM SERVICE TO EACH EXISTING RTI CLASSROOM BUILDING TO REMAIN, SHOWN FOR REFERENCE ONLY.
- (C6) PROVIDE NEW 25 PAIR TELEPHONE CABLE AND NEW 4 STRAND FIBER OPTIC CABLE IN NEW 4" PVC UNDERGROUND FROM NEW SPlice CLOSURES IN MANHOLE "M406" TO NEW INTERMEDIATE DISTRIBUTION FRAME (IDF) IN NEW RTI CLASSROOM BUILDINGS 13, 14, 15 & 16 AND MAKE ALL TERMINATIONS. SEE TELECOM RISER DIAGRAM, SHEET E-601 AND MODULAR CLASSROOM BUILDING PLANS, SHEET A6101.

GENERAL TELECOM SYSTEM NOTES:

- SEE GENERAL ELECTRICAL NOTES, THIS SHEET.
- COORDINATE INSTALLATION OF NEW TELECOM SYSTEM WITH UTAH NATIONAL GUARD PRIOR TO BEGINNING WORK. CONTACT MIKE HANSEN AT 801-432-4118.
- PROVIDE NEW TELECOM WORK, EQUIPMENT, AND CABLES IN ACCORDANCE WITH SPECIFICATION SECTION 210500.

TELECOM SYSTEM CONTRACTOR:

ALL TELECOM SYSTEM WORK SHALL BE PERFORMED BY A COMMSCOPE "SYSTEMAX" CERTIFIED CONTRACTOR, AND SHALL BE WARRANTED FOR 20 YEARS. SEE SPECIFICATION SECTION 210500 FOR ACCEPTABLE TELECOM SYSTEM CONTRACTORS.



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R.T.I. CLASSROOMS
13,14,15,16
CAMP WILLIAMS
DRAPER, UTAH

SHEET NAME:
**ELECTRICAL SITE PLAN
AND NOTES**

REVISIONS

MARK	DATE	DESCRIPTION
△	7/14/10	ADD NEW XFMR

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SHEET NUMBER:
E-101
SHEET 12 OF 13



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R.T.I CLASSROOMS
13, 14, 15, 16
CAMP WILLIAMS
DRAPER, UTAH

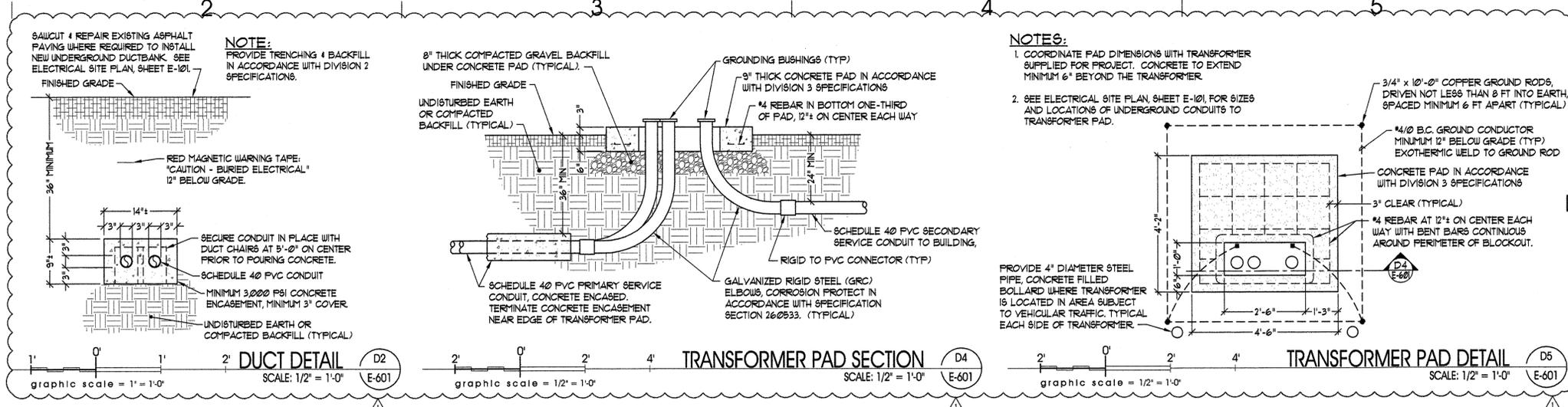
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ELECTRICAL DIAGRAMS AND DETAILS

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E-601
SHEET 13 OF 13



TELECOMM RISER NOTES:

- TELECOM EQUIPMENT LAYOUT IS SCHEMATIC ONLY. COORDINATE EQUIPMENT LOCATIONS WITH UTAH NATIONAL GUARD PRIOR TO BEGINNING WORK. CONTACT MIKE HANSEN AT (801) 432-4118.
- TELECOM OUTLETS, RACEWAYS, FLYWOOD TERMINAL BOARD, ETC. ARE BE FURNISHED AND INSTALLED BY MODULAR BUILDING MANUFACTURER.
- TELECOM CONTRACTOR FURNISH AND INSTALL ALL TELECOM EQUIPMENT, CABLING, TERMINATIONS, TESTING, ETC. IN ACCORDANCE WITH SPECIFICATION SECTION 2710500.

TELECOM SYSTEM CONTRACTOR:

ALL TELECOM SYSTEM WORK SHALL BE PERFORMED BY A COMMSCOPE 'SYSTEMAX' CERTIFIED CONTRACTOR, AND SHALL BE WARRANTED FOR 20 YEARS. SEE SPECIFICATION SECTION 2710500 FOR ACCEPTABLE TELECOM SYSTEM CONTRACTORS.

TELECOM RISER NOTES:

- SEE GENERAL ELECTRICAL NOTES, SHEET E-101.
- COORDINATE INSTALLATION OF NEW TELECOM SYSTEM WITH UTAH NATIONAL GUARD PRIOR TO BEGINNING WORK. CONTACT MIKE HANSEN AT (801) 432-4118.
- PROVIDE NEW TELECOM EQUIPMENT AND CABLES IN ACCORDANCE WITH SPECIFICATION SECTION 2710500.

TELECOM RISER KEYED NOTES:

- EXISTING MDF IN EXISTING BUILDING 6110 TO REMAIN.
- PROVIDE NEW 1000 PAIR OUTSIDE FEED TELEPHONE CABLE AND NEW 24 STRAND OUTSIDE FEED FIBER OPTIC CABLE IN EXISTING 4" PVC UNDERGROUND COMMUNICATION CONDUITS FROM EXISTING BUILDING 6110 TO EXISTING COMMUNICATIONS MANHOLE "M406" NEAR BUILDING 1101.
- TERMINATE NEW TELEPHONE CABLE AT EXISTING MDF IN BUILDING 6110 WITH NEW NEW AVAYA 1200 PAIR SURGE PROTECTION 110 STYLE TERMINAL.
- TERMINATE NEW FIBER OPTIC CABLES AT EXISTING MDF IN BUILDING 6110 WITH NEW SECOR CCH03U 12 STRAND RACK MOUNT LRU.
- PROVIDE TELEPHONE CABLE SPlice CLOSURES FOR NEW TELEPHONE CABLES IN EXISTING MANHOLE AND TERMINATE ALL NEW TELEPHONE CABLES.
- PROVIDE FUSION SPlice CLOSURE FOR NEW FIBER OPTIC CABLES IN EXISTING MANHOLE AND TERMINATE ALL NEW FIBER OPTIC CABLES.
- PROVIDE NEW 25 PAIR OUTSIDE FEED TELEPHONE CABLE AND 4 STRAND OUTSIDE FEED FIBER OPTIC CABLE IN NEW 4" PVC UNDERGROUND COMMUNICATION CONDUIT FROM EXISTING COMMUNICATION MANHOLE TO EACH NEW BUILDING.
- TERMINATE NEW CONDUITS AT EXISTING MANHOLE WITH BELL ENDS. CORE-DRILL OVERSIZED HOLE TO ALLOW INSTALLATION OF BELL ENDS AND SEAL WITH WATERPROOF RESILIENT SEALING COMPOUND SUCH AS SILICONE RUBBER.
- TELECOM TERMINAL BOARD IN EACH MODULAR CLASSROOM BUILDING. SEE TYPICAL TELECOM TERMINAL BOARD DETAIL B2/E-610 AND MODULAR CLASSROOM BUILDING PLANS, SHEET AE101.

