INDEX OF DRAWINGS

G100 COVER SHEET, GENERAL NOTES, SYMBOLS, &

M310 T-BUILDING PARTIAL FIRST FLOOR PLAN

DRAWING INDEX

A. GENERAL NOTES

- 1. ALL CONTRACTORS ARE REQUIRED TO VISIT THE SITE AND BE KNOWLEDGEABLE REGARDING EXISTING CONDITIONS AND THEIR EFFECT ON THE PROPOSED WORK. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR, ANY CONDITIONS REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE PROJECT.
- 2. NOTIFY THE OWNER'S REPRESENTATIVE A MINIMUM OF 72 HOURS PRIOR TO THE INTERRUPTION OF ANY UTILITY.
- 4. NO WORK WILL BE PERMITTED TO BE INSTALLED WITHOUT RECEIPT AND SUBSEQUENT REVIEW OF FULL AND COMPLETE SUBMITTALS BY THE ARCHITECT/ENGINEER.

3. CONTRACTORS AND SUBCONTRACTORS SHALL COORDINATE THEIR WORK WITH THAT OF OTHER TRADES.

- 5. DO NOT SCALE DRAWINGS, DIMENSIONS INDICATED TAKE PRECEDENCE OVER SCALE.
- 6. VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD. WHERE DISCREPANCIES ARE FOUND BETWEEN DIMENSIONS OR ELEVATIONS SHOWN AND ACTUAL FIELD CONDITIONS, NOTIFY ARCHITECT/ENGINEER. 7. DEFINITIONS:
- 7.1. <u>FURNISH:</u> SUPPLY, DELIVER TO AND UNLOAD AT PROJECT SITE READY FOR ASSEMBLY AND INCORPORATION INTO THE WORK.
- 7.2. <u>INSTALL:</u> AT THE PROJECT SITE, UNPACK/UNCRATE ASSEMBLE, PLACE, ANCHOR, FINISH, PROTECT, CLEAN, AND PERFORM ALL OTHER SIMILAR OPERATIONS REQUIRED TO FULLY AND PROPERLY INCORPORATE AN ITEM INTO THE WORK. LEGALLY DISPOSE OF OR RECYCLE PACKAGING AND EXTRA MATERIAL OFF-SITE.
- 7.3. PROJECT SITE: THE SPACE AVAILABLE TO THE CONTRACTOR FOR PERFORMANCE OF CONSTRUCTION ACTIVITIES. THE EXTENT OF THE PROJECT SITE IS THE AREAS TO BE REMODELED AS INDICATED ON THE DRAWINGS, AND EXTENDS TO SUCH AREAS AS CONTAIN TERMINATIONS FOR POWER, DATA AND OTHER
- 7.4. OFF-SITE: OUTSIDE THE PROPERTY IN WHICH THE PROJECT SITE IS LOCATED.
- 7.5. <u>Provide</u>: Furnish and Install, as defined above.
- 8. WHERE CONFLICTS MAY EXIST BETWEEN THE REQUIREMENTS OF PORTIONS OF THE CONTRACT DOCUMENTS, THE GREATER QUANTITY, HIGHER QUALITY OR MORE STRINGENT REQUIREMENT SHALL GOVERN. THEREFORE, BY EXECUTING A CONTRACT FOR CONSTRUCTION, THE CONTRACTOR AGREES THAT, IF IT RAISED NO QUESTIONS REGARDING SUCH CONFLICTS DURING THE BIDDING PROCESS. AND IN THE ABSENCE OF A CLARIFYING ADDENDUM ISSUED DURING THE BIDDING PROCESS, IT HAS VOLUNTEERED TO COMPLY WITH THE MORE EXPENSIVE REQUIREMENT AS PART OF ITS BASE BID AND IS NOT ENTITLED TO ANY ADDITIONAL COMPENSATION TO RESOLVE THE CONFLICT.
- 9. THE CONTRACT DOCUMENTS REQUIRE THE CONTRACTOR TO FURNISH AND INSTALL COMPLETE PRODUCTS, SYSTEMS AND SERVICES. BY EXECUTING A CONTRACT FOR CONSTRUCTION, THE CONTRACTOR AGREES THAT THE DRAWINGS SET FORTH THE DESIGN INTENT AND, THEREFORE, MAY NOT EXPRESSLY DEPICT EVERY LENGTH, SEGMENT, PIECE, PART, COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE. THE CONTRACTOR FURTHER AGREES THAT, AS PART OF ITS BID, IT MUST FURNISH AND INSTALL EVERY LENGTH, SEGMENT, PIECE, PART, COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE AND, CONSEQUENTLY, THE CONTRACTOR IS NOT ENTITLED TO ANY ADDITIONAL COMPENSATION FOR ANY LENGTH, SEGMENT, PIECE, PART COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE BECAUSE IT IS NOT EXPRESSLY DEPICTED HEREIN.
- 10. ARCHITECT SHALL BE NAMED AS ADDITIONAL INSURED ON ALL REQUIRED INSURANCE POLICIES.

B: MISCELLANEOUS AND DEMOLITION NOTES

- DEFINITIONS:
- 1.1. <u>DEMOLISH:</u> DISCONNECT FROM SERVICES, UNFASTEN, REMOVE, DISASSEMBLE AND LEGALLY DISPOSE

DETAIL NUMBER-

DRAWING NUMBER -

DRAWING NUMBER -

DETAIL NUMBER -

IDENTIFICATION

DRAWING NUMBER — \ \A6.05/

15.21

INSULATION

BLOCKING

BLOCKING

CONTINUOUS

DISCONTINUOUS

RIGID

- 1.2. <u>SALVAGE</u>: CAREFULLY, SO AS TO PRESERVE INTEGRITY AND USEFULNESS, DISCONNECT FROM SERVICES, UNFASTEN, REMOVE, DISASSEMBLE IF NECESSARY, AND STORE TEMPORARILY FOR REINCORPORATION INTO THE WORK OR FOR DELIVERY/TURN-OVER TO THE OWNER AS INDICATED IN
- 1.3. <u>SALVAGE IN PLACE</u>: PROTECT, RE-USE, CLEAN, RE-CONDITION IF NECESSARTY, REFINISH IF INDICATED IN THE DRAWINGS, EXISTING INSTALLED ITEM/COMPONENT WITHOUT DISCONNECTING, UNFASTENING OR REMOVING FROM THE WORK.
- 1. COORDINATE PENETRATIONS AND/OR SLEEVES REQUIRED IN WALLS, FLOORS, CEILINGS OR ROOFS FOR MECHANICAL AND ELECTRICAL WORK REQUIRED BY ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND
- SEAL WITH UL APPROVED MATERIALS PENETRATIONS OF DUCTWORK, CONDUIT AND PIPES THROUGH FIRE-RATED ASSEMBLIES, TO MAINTAIN THE RATING INTEGRITY OF THOSE ASSEMBLIES. PROVIDE FIRE DAMPERS AS INDICATED ON THE DRAWINGS.
- 3. SEAL WITH ACOUSTICAL SEALANT PENETRATIONS OF DUCTWORK, CONDUIT AND PIPES THROUGH NON-RATED FLOORS, FULL-HEIGHT WALLS/PARTITIONS, ACOUSTICALLY INSULATED WALLS/PARTITIONS, AND SOUND-RATED WALLS/PARTITIONS, TO MAINTAIN THE ACOUSTICAL INTEGRITY OF THOSE
- 4. APPLY APPROPRIATE & COMPATIBLE SEALANT MATERIALS AS REQUIRED TO SEPARATE DISSIMILAR METALS, FILL GAPS IN EXISTING ASSEMBLIES OR WHERE NEW AND EXISTING ASSEMBLIES MEET OR WHERE OTHERWISE REQUIRED BY THE SPECIFICATIONS.
- 5. BRING ANY UNFORESEEN OR CONFLICTING CONDITIONS TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- 6. REPAIR, PATCH, OR REPLACE FINISH MATERIALS OR VISIBLE ASSEMBLIES THAT ARE SOILED, CUT OR DAMAGED IN ANY FASHION DURING THE COURSE OF THE WORK. PERFORM PATCHING SUCH THAT EDGES BLEND INTO CONTIGUOUS SURFACES SMOOTHLY, MATCHING TEXTURE AND COLOR OF ADJACENT
- OWNER WILL CONTINUE TO OCCUPY AREAS ADJACENT TO THE PROJECT AREAS DURING THE CONSTRUCTION PERIOD. COORDINATE WITH OWNER TO MINIMIZE CONFLICT AND TO FACILITATE OWNER'S OPERATIONS. LIMIT CONDUCT OF ESPECIALLY NOISY OR DISRUPTIVE WORK TO ONLY THOSE TIMES MUTUALLY AGREED TO BY OWNER. REQUEST MUTUALLY AGREEABLE TIME FROM OWNER PRIOR TO CONDUCTING SUCH WORK, AND PROCEED WITH SUCH WORK ONLY AFTER RECEIVING OWNER'S EXPRESS PERMISSION TO DO SO.

C: BIDDING NOTES

- 1. GENERAL CONTRACTOR TO PROVIDE A \$5,000 ALLOWANCE IN HIS/HER BID FOR UNFORSEEN/MISCELLANEOUS CONDITIONS. WHEN FIGURING THIS ALLOWANCE IN THE BID, CONTRACTOR IS TO INCLUDE ALL NECESSARY OVERHEAD AND PROFIT. THIS ALLOWANCE IS NOT FOR THE CONTRACTOR'S BENEFIT, AND IS ONLY AUTHORIZED TO CHARGE AGAINST THIS ALLOWANCE WHEN DIRECTED AND APPROVED BY JOLIET JUNIOR COLLEGE. THE CONTRACTOR WILL BE ALLOWED TO INVOICE FOR MATERIAL AND RAW LABOR COST ONLY.
- **CONSTRUCTION SCHEDULE:** START: MAY 26, 2014 COMPLETE: JUNE 30, 2014

STANDARD ABBREVIATIONS

		T			
@ A B	ATANCHOR BOLT	EXP EXP CONST	EXPANSIONEXPOSED CONSTRUCTION	PL — PLATE PL LAM — PLASTIC LAMINATE	
ABR	- ANCHOR BOLT - ABRASIVE	FD	- FLOOR DRAIN	PL – PLASTER	
ABR AT—(1) AFF	 ACOUSTIC TILE CEILING (TYPE) 	FDN	FOUNDATION	PLB'G — PLUMBING	
AFF AFG	ABOVE FINISH FLOORABOVE FINISH GRADE	FE FEC	FIRE EXTINGUISHERFIRE EXTINGUISHER CABINET	PLB'G CONTR — PLUMBING CONTRACTOR PLYWD — PLYWOOD	
ACOUS	- ACOUSTIC	FHC	- FIRE HOSE CABINET	PNT – PAINT	
ADD'N	- ADDITION	FIN	- FINISH	PVC — POLYVINYL CHLORIDE	
ADD'L ADJ	ADDITIONALADJACENT	FLR FRT	FLOORFIRE RETARDANT TREATED (RATED)	PL-(1) - GYPSUM PLASTER (TYPE) R OR RAD - RADIUS	
ADJT	ADJUSTABLE	FUR CHN'L	FURRING CHANNEL	R - RISER	
AL	- ALUMINUM	FTG	- FOOTING	RD — ROOF DRAIN	
ALT ANCH	ALTERNATEANCHOR	GA GALV	GAUGEGALVANIZED	RO — ROUGH OPENING RF (1) — RUBBER FLOORING (TYPE)	
AP	ACCESS PANEL	GEN CONTR	 GENERAL CONTRACTOR 	RH	
APPROX ASPH	APPROXIMATEASPHALT	GC GL	GENERAL CONTRACTORGLASS	REF — REFERANCE REINF — REINFORCING	
AUTO	- AUTOMATIC	GYP DB-(1)	- GYPSUM WALL BOARD (DRYWALL)(TYPE)	REQ'D — REQUIRED	
AVG	- AVERAGE	GYP DB-(1) GYP PL-(1)	- GYPSUM PLASTER (TYPE)	RM - ROOM	
BSMT BD	BASEMENTBOARD	H HD	HIGHHEAVY DUTY	SF — SQUARE FOOT SI — SQUARE INCH	
BITUM	BITUMINOUS/BITUMASTIC	HD	HARD	SK – SINK	
BLDG BLK'G	- BUILDING	HDNR	- HARDENER	SS — STAINLESS STEEL	
BLK G BM	BLOCKING (WOOD)BEAM	HD WD-(1) HDWRE	HARD WOOD (TYPE)HARDWARE	SSK — SERVICE SINK SQ — SQUARE	
B.M.	BENCH MARK	HGT	- HEIGHT	SCHED - SCHEDULE	
BT STL PL BRG	BENT STEEL PLATEBEARING	HM HP	HOLLOW METALHIGH POINT	SEAL/HDNR — SEALER/HARDENER SEC — SECTION	
BRKT	- BRACKET	HORIZ	HORIZONTAL	SHT - SHEET	
BRK	- BRICK	HTG	- HEATING	SIM — SIMILAR	
BTM BTW'N	BOTTOMBETWEEN	HVAC N	HEATING/VENTILATING/AIR CONDITIONINGINCH	SOG — SLAB ON GRADE SPEC — SPECIFICATION(S)	
CJ	 CONSTRUCTION/CONTRACTION JOINT 	l ID	– INSIDE DIAMETER	SPC'G - SPACING	
CAB	- CABINET	INCL	- INCLUDE (D)	SPK'R - SPEAKER	
CEM PL-(1) CT PAV-(1)	CEMENT PLASTER (TYPE)CERAMIC PAVER TILE (TYPE)	INSUL JT	– INSULATION OR INSULATING– JOINT	STN - STN STD - STANDARD	
CIPC	 CAST— IN— PLACE CONCRETE 	KD	- KNOCK DOWN	STD WGT — STANDARD WEIGHT	
CIPC CLG CLR	CEILINGCLEAR	L LAM	LONGLAMINATED	STL — STEEL STRUCT — STRUCTURAL OR STRUCTURE	
CO	CLEAN OUT	LAW	LAVATORY	SUSP - SUSPEND(ED)	
CMU	- CONCRETE MASONRY UNIT	LH	- LEFT HAND	SYM - SYMMETRICAĹ	
COL COMB	COLUMNCOMBINATION	LP LGT WGT	LOW POINTLIGHTWEIGHT	T — TREAD T&G — TONGUE AND GROOVE	
COMP	- COMPRESSIBLE	LL	LIVE LOAD	T/B — TOP OF BEAM	
COMPT'D CONC	COMPACTEDCONCRETE	LLH LLV	LONG LEG HORIZONTALLONG LEG VERTICAL	T/B - TOP OF BEAM T/C - TOP OF CURB T/F - TOP OF FOUNDATION	
CONC OPNG	- CONCRETE OPENING	LLV	- LOUVER	T/S - TOP OF SLAB	
COND	CONDITION	MO	MASONRY OPENING	T/STL - TOP OF STEEL	
CONT CONTR	CONTINUOUSCONTRACT (OR)	MT MAS'Y	METAL THRESHOLDMASONRY	T'/W — TOP OF WALL TB (4) — TACKBOARD (LENGTH)	
CPT-(1)	– CARPET (TYPE)	MAT'L	- MATERIAL	TOM - TOP OF MASONRY	
CT-(1)	- CERAMIC TILE (TYPE)	MAX	- MAXIMUM	TYP - TYPICAL	
CTR`´ CTR SK	COUNTERCOUNTER SINK	MB-(16) MECH	MARKERBOARD— (LENGTH)MECHANICAL	UNO — UNLESS NOTED OTHERWISE VBC — VINYL BASE COVED	
CTS	CENTER(S)	MECH CONTR	 MECHANICAL CONTRACTOR 	VBS — VINYL BASE STRAIGHT	
CUH CUV	 CABINET ÚNIT HEATER CABINET UNIT VENTILATOR 	MFR MIN	- MANUFACTURER	VCT - VINYL COMPOSITION TILE VEN DI (1) - VENEER DI ASTER (TYDE)	
DIA	- CABINET UNIT VENTILATOR - DIAMETER	MIN MISC	MINIMUMMISCELLANEOUS	VEN PL (1) — VENEER PLASTER (TYPE) VERT — VERTICAL	
DIM	- DIMENSION	MSB	MOP SERVICE BASIN (SINK)	W — WIDE OR WIDTH	
DN DR	DOWNDOOR	MT(D) MTL	MOUNT(ED)METAL	W/O - WITH W/O - WITHOUT	
DWG'S	- DRAWINGS	NIC	NOT IN CONTRACT	WCG — WALL CORNER GUARD	
DTL	DETAIL	NOM	NOMINAL	WD — WOOD	
DWL'S EA	DOWELSEACH	NTS NO	NOT TO SCALENUMBER	WDN — WINDOW WGT — WEIGHT	
EJ EL	EXPANSION JOINT	OA	OVERALL	WP – WATER PROOF	
EL ELEC	ELEVATIONELECTRIC/ELECTRICAL	OC OD	ON CENTEROUTSIDE DIAMETER	WWF — WELDED WIRE FABRIC WSB — WALL SERVICE BASIN	
ELEC CONTR	 ELECTRICAL CONTRACTOR 	OF	OUTSIDE FACE	WALL SLIVIOL DASIN	
ELEV	ELEVATOR	OPN'G	OPENING	THE MATERIALS, ABBREVIATIONS, AND DRAFTING	
EMBED EMER	– EMBEDMENT– EMERGENCY	OPP OPP HD	OPPOSITEOPPOSITE HAND	SYMBOLS LEGEND ARE EACH AN ALL INCLUSIVE	
EP PNT	EPOXY PAINT	PSF	 POUNDS PER SQUARE FOOT 	MASTER LIST USED BY THIS FIRM. THE INCLUSION	
EQ	- EQUAL	PSI	 POUNDS PER SQUARE INCH 	OF THESE LEGENDS INTO THESE DOCUMENTS DOES	
EW EWC	EACH WAYELECTRIC WATER COOLER	PT PTN	PRESSURE TREATEDPARTITION	NOT IMPLY THAT ALL THE SYMBOLS OR MATERIALS INCLUDED IN THESE LEGENDS ARE INCORPORATED	
EWH	 ELECTRIC WATER HEATER 	PAV'T	PAVEMENT	INTO THIS PROJECT.	
ER-(26)	EXHIBIT RAIL (LENGTH)	PC	- PIECE		
EXIST	- EXISTING	PFM	- PERMANENT FLOOR MAT		



PROJECT JOLIET JUNIOR COLLEGE -

> PROSTHETICS LAB DUST **COLLECTION SYSTEM**

- T BUILDING

JJC PROJECT NO. JJC-14-604

OWNER JOLIET JUNIOR COLLEGE

1215 HOUBOLT ROAD

JOLIET, IL 60431

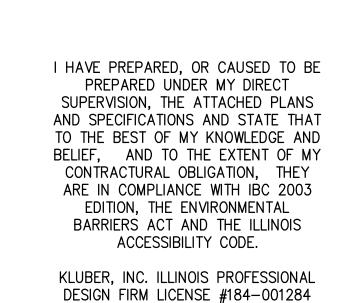
ARCHITECT/ KLUBER, INC. **ENGINEER**

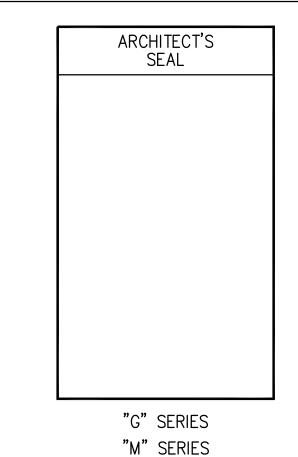
10 S. SHUMWAY AVE.

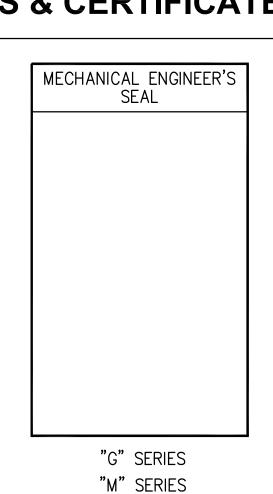
BATAVIA, ILLINOIS 60510

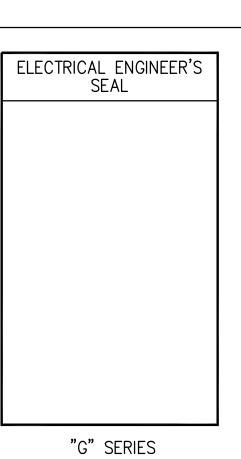
TEL 630-406-1213 FAX 630-406-9472 www.kluberinc.com

SEALS & CERTIFICATES









"M" SERIES

DRAWN CHECKED APPROVED SHEET TITLE

COVER

SHEET NUMBER

2.492 DEMOLISH EXISTING MECHANICAL SYSTEM COMPONENT: CEILING DIFFUSER/GRILLE AND RE-INSTALL AFTER ABOVE CEILING DUCTWORK PLACEMENT AND CEILING GRID HAS BEEN RE-INSTALLED.

2.499 DEMOLISH EXISTING LIGHT FIXTURE TO ALLOW FOR ABOVE CEILING DUCTWORK PLACEMENT. RE-INSTALL

CONTRACTOR AND A/E STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH OPENING CUT. 3.009 EXISTING PRECAST CONCRETE FLOOR PLANKS. COORDINATE OPENING THROUGH FLOOR PLANKS WITH MECHANICAL

3.216 CONCRETE REINFORCING: CONTINUOUS REINFORCING BAR. #5 U.N.O. QUANTITY AS DEPICTED. 3.221 CONCRETE REINFORCING: #4 DOWELS @ 1'-0" O.C. HORIZONTAL LEG= 2'-6", VERTICAL LEG= 2'-6" U.N.O.

5.500 METAL FABRICATION: PROVIDE UNISTRUT FRAMING SYSTEM AS REQUIRED TO SUPPORT NEW DUST COLLECTION

6.002 WOOD BLOCKING: DIMENSIONAL LUMBER; SIZE AS REQUIRED; REFER TO SPECIFICATIONS FOR TREATMENT.

7.628 PREFINISHED WOOD ANCHORS WITH NEOPRENE WASHERS SPACED AT 6 INCHES O.C. MATCH DARK BRONZE

7.629 SHEET METAL ANCHORS: SIZED AS REQUIRED TO SUPPORT DUCTWORK LOAD SPACED AT MAX. 8 INCHES O.C.

LINE. TYPICAL.

7.900 JOINT SEALANT: REFER TO SPECIFICATIONS; PROVIDE BACKER ROD OR BOND BREAKER.

9.001 EXISTING DRYWALL CONSTRUCTION. 9.010 EXISTING METAL STUD FRAMING: 1-5/8" STUD; 16" O.C. SPACING. CAREFULLY REMOVE STUDS AT NEW OPENING LOCATION TO ACCOMMODATE NEW MECHANICAL PENETRATION. INSTALL NEW STUDS AS NECESSARY

9.214 METAL STUD FRAMING: STUD RUNNER: SIZE TO MATCH METAL STUDS.

9.290 GYPSUM BOARD: 5/8" THICK; TYPE "X". 9.900 REPAINT ENTIRE WALL SURFACE WITH ONE COAT LATEX PRIMER AND TWO COATS OF LATEX PAINT TO MATCH EXISTING WALL COLOR AND FINISH. TYPICAL AT ALL EXISTING WALL WITH NEW DUCTWORK PENETRATIONS

23.101 PROVIDE 6 INCH TAKE-OFF AND CONNECTION TO EXTRACTION ARMS.

23.104 REMOVE AND RELOCATE WATER PIPES, SPRINKLER PIPES OR DUCTWORK IN JANITOR CLOSET TO AVOID CONFLICT

PLASTIC NAMEPLATE "ACTIVATE SWITCH FOR ROOM (#) WHEN DUST COLLECTOR IS ACTIVATED".

23.107 BLAST GATE AT END OF BRANCH DUCT FOR MINIMUM AIRFLOW BALANCING (TYP OF SEVEN).

23.110 PROVIDE 6 INCH TAKE-OFF AND CONNECTION TO EXTRACTION ARMS. MOUNT ARM TO WALL. COORDINATE EXACT

26.010 PROVIDE NEW FEEDER FOR DUST COLLECTOR 3#3,#8G, 1 1/4"C. HOMERUN TO MOTOR CONTROL CENTER, MCCB.

26.013 PROVIDE 100 AMPERE, 3 POLE, HEAVY DUTY NON-FUSED DISCONNECT, NEMA 3R.

26.015 PROVIDE NEW 20/1 BREAKER AT PANELBOARD B2-MA FOR DAMPER CONTROLLER AND AIR COMPRESSOR. PROVIDE

26.016 DUST COLLECTOR ON/OFF, DAMPER A OPEN/CLOSE, DAMPER B OPEN/CLOSE MANUAL SINGLE POLE SWITCH, 3

26.017 REMOVE AND RELOCATE LIGHT FIXTURES IN JANITOR CLOSET AS REQUIRED FOR DUCTWORK CONFLICT.

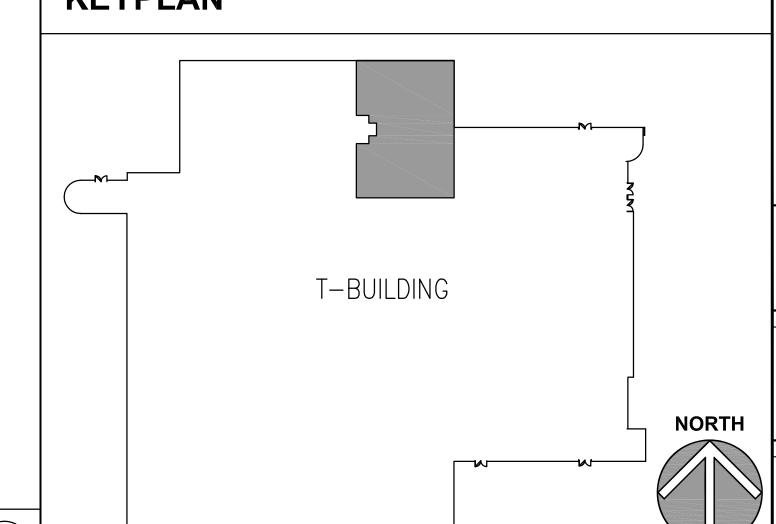
26.018 PROVIDE DUPLEX RECEPTACLE, 48"AFF AND DEDICATED CIRCUIT, 2#12,#12G,1/2"C., FROM PANEL B2-MA FOR AIR COMPRESSOR AND DRYER. REFER TO KEY NOTE 26.016.

TO REMOVE AND DISPOSE OF 18" OF UNSUITABLE/TOPSOIL MATERIAL.

ALL PIPING AND DUCTWORK IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL REQUIRED FITTINGS, OFFSETS, DROPS AND RISES. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE AND WORKING SYSTEM. COORDINATE WITH OTHER TRADES FOR SPACE AVAILABLE AND RELATIVE LOCATIONS OF

BEEN MADE WITH RESPECT TO ALL EQUIPMENT SCHEDULED ON THESE DRAWINGS AND IN THE SPECIFICATIONS OF THE FIRST NAMED MANUFACTURER ONLY. OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY MEET

KEYPLAN



ABOVE CEILING DUCTWORK PLACEMENT AND SUSPENSION HANGERS. INSTALL NEW GRID TO MATCH EXISTING AND RE-INSTALL EXISTING ACOUSTICAL CEILING TILES.

2.495 DEMOLISH EXISTING FIRE PROTECTION HEAD AND RELOCATE TO NEW LOCATION TO AVOID CONFLICTS WITH NEW DUCTWORK MAINS OR TO ADJUST SPRINKLER LOCATION TO AVOID DUCTWORK OBSTRUCTION. LOCATE IN

EXISTING FIXTURE AFTER DUCTWORK PLACEMENT AND CEILING GRID RESTORATION IS COMPLETE. 2.500 DEMOLISH EXISTING SMOKE DETECTOR TO ALLOW FOR ABOVE CEILING DUCTWORK PLACEMENT AND RELOCATE TO AREA SHOWN.

3.007 EXISTING CONCRETE FLOOR TOPPING.

3.008 EXISTING PRECAST CONCRETE WALL PANELS. COORDINATE OPENING THROUGH PANEL WITH MECHANICAL

CONTRACTOR AND A/E STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH OPENING CUT. 3.111 CONCRETE FORMING AND ACCESSORIES: CONTINUOUS 3/4" CHAMFER U.N.O.

3.215 CONCRETE REINFORCING: REINFORCING STEEL MAT. #5 @ 12" O.C. EACH WAY U.N.O.

3.303 CAST-IN-PLACE CONCRETE: EXTERIOR SLAB-ON-GRADE. REFER TO SPECIFICATIONS FOR MIX TYPE AND FINISH. REINFORCE WITH WWF-6x6 W2.1 x W2.1. SLOPE AWAY FROM BUILDING. ELEVATION AT DOOR AT MATCH INTERIOR SLAB/FINISH FLOOR ELEVATION. SLAB TO BE 5" THICK U.N.O.

ARM SYSTEM. ANCHOR FRAMING TO TOP OF EXISTING DESK TOP AND ANCHOR TO UNDERSIDE OF EXISTING PRECAST FLOOR FRAMING ABOVE. ANCHOR TO WALL AT APPLICABLE LOCATIONS.

7.212 INSULATION: THERMAL BATT; THICKNESS TO FILL CAVITY, UNLESS INDICATED OTHERWISE. 7.627 PREFINISHED CONCRETE ANCHORS WITH NEOPRENE WASHERS SPACED AT 6 INCHES O.C. MATCH DARK BRONZE

PAINTED SHEET METAL COLOR. TYPICAL. PAINTED SHEET METAL COLOR. TYPICAL.

PROVIDE 14 GAUGE CONTINUOUS METAL CLEAT AT PERIMETER OF DUCTWORK TO SUPPORT DUCTWORK AT FLOOR

7.840 FIRESTOPPING: PACKING MATERIAL; REFER TO SPECIFICATIONS 7.841 FIRESTOPPING: SEALANT; REFER TO SPECIFICATIONS.

7.901 SELF EXPANDING JOINT SEALANT. EMSEAL OR EQUIVALENT WITH 400% EXPANSION CAPABILITY: 2 INCHES WIDE MINIMUM. TYPICAL AT PERIMETER OF ALL DUCTS.

23.100 PROVIDE EXHAUST AIR DUCTWORK BELOW AND AS TIGHT TO LAY-IN CEILING AS POSSIBLE.

23.102 REMOVE AND RELOCATE RETURN AIR GRILLE OPEN TO PLENUM TO NEW LOCATION. REPLACE WITH CEILING TILE FROM RELOCATED GRILLE LOCATION.

23.105 DAMPER SWITCH SHALL BE ACTIVATED FOR ROOMS THAT WILL BE USING DUST COLLECTION SYSTEM. PROVIDE 23.106 PROVIDE AIR COMPRESSOR AND AIR DRYER AND PIPE TO DUST COLLECTOR. REFER TO DETAIL 7 FOR REQUIRED

23.108 PROVIDE INSULATION AND ALUMINUM JACKET ON EXTERIOR DUCTWORK. 23.109 PROVIDE DUCTWORK BRANCHES AS HIGH AS POSSIBLE IN MECHANICAL ROOM.

LOCATION WITH OWNER.

23.310 MECHANICAL DUCT: REFER TO MECHANICAL DRAWINGS.

23.330 MECHANICAL DUCT ACCESSORY: FIRE DAMPER; REFER TO MECHANICAL DRAWINGS.

26.011 ROUTE DOWN TO DUST COLLECTOR CONTROL PANEL. 26.012 PROVIDE NEW 100/3 AMPERE FUSIBLE SECTION AT 'MCCB' WITH 100 AMP FUSES, HORSEPOWER RATED.

26.014 PROVIDE GRS CONDUIT WITH LIQUID—TIGHT FLEXIBLE CONDUIT AT DUST COLLECTOR. NEW 2#12,#12G,1/2"C. CIRCUIT. COORDINATE WITH OWNER FOR EXACT LOCATION.

GANG NEMA 1 ENCLOSURE. COORDINATE WITH OWNER FOR EXACT LOCATION.

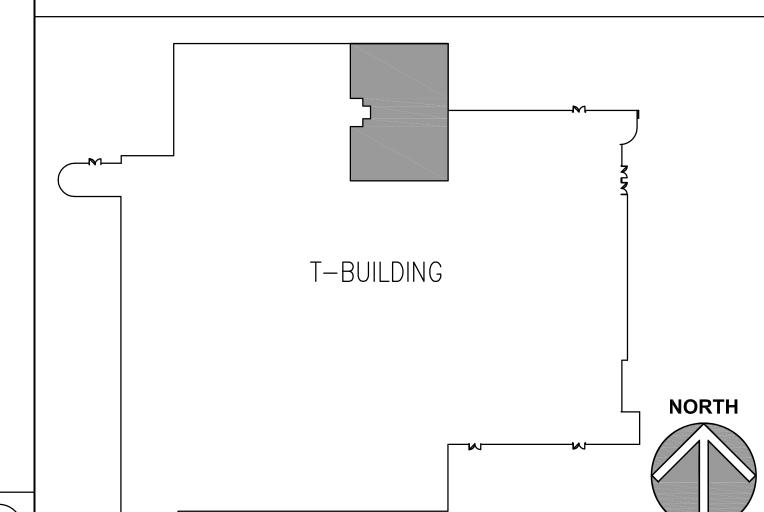
31.232 EXCAVATION FILL: ENGINEERED GRANULAR FILL OVER EXISTING CLAY SOIL. CONTRACTOR TO ASSUME NEED

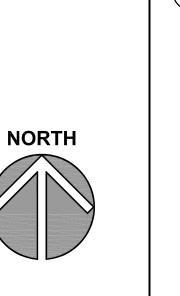
GENERAL NOTES

REFER TO DRAWING G100 FOR PROJECT GENERAL NOTES.

PERFORMANCE REQUIREMENTS AND AFOREMENTIONED COORDINATION.







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

NORTH

1-5/8", F.V. SEE MECHANICAL PLAN

TYP. RATED FLOOR PENETRATION

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

31.232 MINIMUM 6" LAYER OF CA-6 STONE

OR PAD LOCATION AND

DIMENSIONS.

TYPICAL EXTERIOR PAD SCALE: 3/4"= 1'-0"

T2013

PRESSURE REGULATOR

BYPASS

DRYER

. ALL CONDENSATE DRAINED FROM DRAIN VALVES AND

ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

COMPRESSED AIR HEADER IS TO BE PITCHED TO

AND/OR OIL THAT MAY CONDENSE INSIDE THE

PROVIDE A MEANS FOR DRAINAGE OF LIQUID WATER

SCALE: NTS

RECOMMENDATIONS.

TYPICAL WALL PENETRATION SCALE: 1-1/2" = 1'-0"

HEADER.

COMPRESSED AIR SYSTEM DETAILS

2. ALL PIPING TO BE SUPPORTED PER GOOD ENGINEERING PRACTICE AND PIPE SYSTEM MANUFACTURERS'

DRIP LEGS TO BE DISPOSED OF IN ACCORDANCE WITH

COALESCING FILTER

VALVE, SET AT 90 PSIG -7

(7.629)

7.629

3.111

3.216

(3.221)-

VALVE —

VIBRATION

ISOLATORS -

9.900

9.001)-

(9.290)-

9.010

(9.214)

7.628)-

2.0 HP STATIONARY AIR 니

COMPRESSOR WITH 30 GALLON AIR

TANK (ASME CODE). 120V/240V

ISOLATION

VALVE \

B2-MA MCCB

W/FIRE DAMPER

DUST COLLECTOR

PARTIAL SECOND FLOOR PLAN (2)

TRANSFORMER(e)

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

AHU(e)

PARTIAL FIRST FLOOR MECHANICAL PLAN

SHEET TITLE T-BUILDING **PARTIAL FLOOR**