

ADDENDUM NO. 4

DATE: May 23th 2013
PROJECT: Workforce Building 3rd Level Build Out
LOCATION: 6815 Rustic Ave. Houston, Texas 77087
PROJECT NO.
DISTRIBUTION:
DELIVERED VIA:
NO. PAGES: 2
PREPARED BY: Smith & Company Architects, Inc



05/23/2013

This addendum forms a part of the Specifications for the Workforce Building 3rd Level Build Out for Houston Community College, documents posted on April 22, 2013 for the subject project and modifies/add to them as noted below.

CHANGES TO DRAWINGS

1. Replace Sheet A2.01 Finish Floor Plan, Dated April 22, 2013, Replace with attached Sheet A2.01 Finish Floor Plan, Dated May 23, 2013.
 2. Replace Sheet A2.20 Enlarged Plans, Dated April 22, 2013, Replace with attached Sheet A2.20 Enlarged Plans, Dated May 23, 2013.
 3. Replace Sheet A2.30 Reflected Ceiling Plan, Dated April 22, 2013, Replace with attached Sheet A2.30 Reflected Ceiling Plan, Dated May 23, 2013.
 4. Replace Sheet A2.31 Enlarged Reflected Ceiling Plan & Ceiling Details, Dated April 22, 2013, Replace with attached Sheet A2.31 Enlarged Reflected Ceiling Plan & Ceiling Details, Dated May 23, 2013.
 5. Replace Sheet A3.03 Material & Finish Schedule, Dated April 22, 2013, Replace with attached Sheet A3.03 Material & Finish Schedule, Dated May 23, 2013.
 6. Replace Sheet A4.01 Schedules, Legends & Notes, Dated April 22, 2013, Replace with attached Sheet A4.01 Schedules, Legends & Notes, Dated May 23, 2013.
- A. Issuing sheet E-231 for clarification for the power and data added in addendum 1 write-up which read: "Provide (1) 20A@120V GFCI Quad Receptacle and data outlet at teacher's workstation. Connect receptacle to circuit 3LB-39, route 2#12 and 1#12G in a

¾" conduit, provide a 20A/1P GFCI type circuit breaker, route conduit from above ceiling down to teacher's station inside service chase."

7. Sheet M-301– Mechanical Details & Schedules A. Added reference to Detail 9/A2.31 to details 5 and 9.
8. Add As Built Sheets S2.04, S4.03 & S4.04 New Roof Exhaust Penetration Information only, Dated May 23, 2013.

END OF ADDENDUM NO. 4

ISSUE LOG

NO.	DATE	DESCRIPTION
▲	5-13-2013	ADDENDUM 1
▲	5-22-2013	ADDENDUM 4

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SEAL:

PROJECT NAME :
**SE CAMPUS
WORK FORCE BUILDING
LEVEL 3 RENOVATION
HOUSTON COMMUNITY COLLEGE**

6815 RUSTIC AVE.,
HOUSTON, TX 77087



KEY MAP:

REVIEWED:

PROJECT MANAGER _____ SPONSORING DEPARTMENT _____

PROJECT MANAGER _____

CONSULTANT(S) :

DATE : APRIL 22, 2013
PROJECT NO. : R060112
SCALE :
DRAWN BY : JAW
CHECKED BY : TDS

SHEET TITLE :
**LEVEL 3
FINISH FLOOR PLAN**

SHEET NO. :
A2.01

- ① LOCATION OF CORNERGAURDS, CG-1
- ② REFER TO INTERIOR ELEVATION SHEETS FOR ADDITIONAL DETAILS
- ③ CONTRACTOR TO INSTALL FIELD TILE, PCT-1 IN MONOLITHIC PATTERN. USE WHOLE TILES AS SHOWING IN THE FINISH PLANS.
- ④ ALL VCT FLOOR FINISHES SHOWING AT DIAGONAL IN FINISH FLOOR PLAN ARE TO BE CUT PARALLEL TO THE DIAGONAL OF THE RAILING @ LOBBY OPEN AREA.
- ⑤ USE WHOLE TILES AT ALL TILE TRANSITIONS, LIMIT CUT TILES TO WALLS AND CENTER TILE PATTERNS IN ROOM.
- ⑥ ALL GROUT LINES TO BE RECTIFIED 1/8"
- ⑦ ALIGN ALL GROUT LINES WITH WALL EDGES WHERE APPLICABLE.
- ⑧ PROVIDE SMOOTH TRANSITION IN FLOORING MATERIALS. INSTALL SCHLUTER ALUMINUM TRIM AS NEEDED.

FINISH LEGEND

VCT-1

VCT-2

VCT-3

VCT-4

CPT-1

CPT-2

- 1. STANDARDS AND PROCEDURES FOR THE PREPARATION AND APPLICATION OF INTERIOR FINISHES ARE DEFINED IN THE PROJECT MANUAL. FINISH SUB-CONTRACTORS ARE REQUIRED TO READ, UNDERSTAND, AND FOLLOW ALL RELEVANT SECTIONS OF THE PROJECT MANUAL.
- 2. FINISH MATERIAL SPECIFICATIONS ARE LISTED IN THE FINISH LEGEND COMPONENT OF THE FINISH SCHEDULE. PERFORMANCE SPECIFICATIONS ARE INCLUDED IN THE PROJECT MANUAL. ANY CONFLICTS OR DISCREPANCIES BETWEEN THESE TWO SHOULD BE BROUGHT TO THE ARCHITECTS ATTENTION IMMEDIATELY.
- 3. REFER TO SHEET A3.01 FOR FINISH SCHEDULE, AND MATERIALS AND FINISH DESIGNATIONS.
- 4. ALL VERTICAL TRANSITIONS BETWEEN DIFFERING WALL FINISHES ARE TO BE MADE AT INSIDE CORNERS (UNLESS NOTED OTHERWISE).
- 5. CERAMIC & PORCELAIN WALL TILE TO EXTEND FULL WIDTH AND FULL HEIGHT FOR ANY AND ALL SCHEDULED TILED WALLS (UNLESS NOTED OTHERWISE).
- 6. PROVIDE STRAIGHT PROFILE RUBBER BASE AT ALL CARPETED AREAS AND COVE BASE AT ALL RESILIENT FLOORING. REFER TO MATERIALS SCHEDULE FOR HEIGHT AND COLOR.
- 7. APPROPRIATE METAL OR RESILIENT TRANSITION STRIPS OR THRESHOLDS MUST BE PROVIDED AT ALL FINISH FLOORING CHANGES. DETAILS MUST BE APPROVED BY ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
- 8. PAINT FACE OF ALL ELECTRIC PANELS NOT LOCATED WITHIN ELECTRICAL ROOMS. MATCH WALL FINISH.
- 9. VCT PATTERNS ARE NOT SHOWN UNDER CASEWORK FOR CLARITY. CONTINUE PATTERNS UNDERNEATH COUNTERTOPS AND CASEWORK WHERE FLOOR IS VISIBLE.
- 10. CHANGES IN FLOOR FINISH MATERIALS IN ADJOINING ROOMS TO OCCUR CENTERED DIRECTLY UNDER THE LEAF OF THE DOOR IN THE CONNECTING DOORWAY.
- 11. ALL FLOORING INSTALLERS/CONTRACTOR/SUB CONTRACTOR TO CONTACT DESIGNER FOR COLOR CODED FINISH FLOOR PLAN, AVAILABLE UPON REQUEST FOR EASE OF INSTALLATION.

KEY NOTES

NO SCALE 15

FINISH LEGEND

NO SCALE 10

GENERAL NOTES

NO SCALE 5



LEVEL 3 FINISH FLOOR PLAN

1/8" = 1'-0" 1

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KEY MAP:

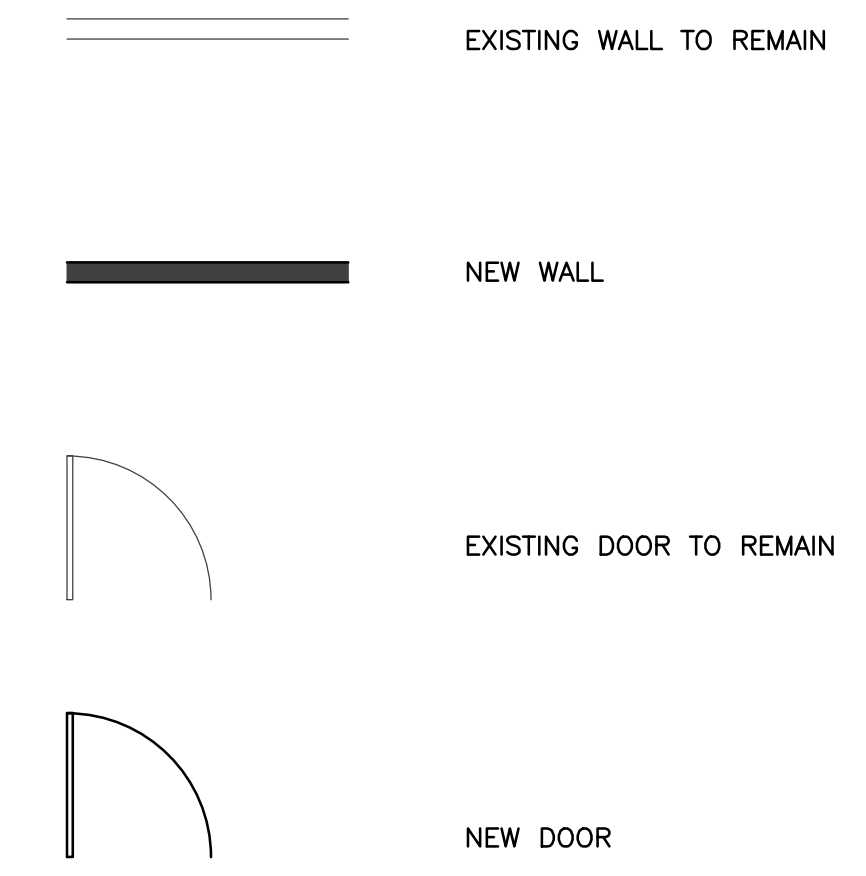
REVIEWED:
PROJECT MANAGER _____ SPONSORING DEPARTMENT _____
PROJECT MANAGER _____

CONSULTANT(S) :

DATE : APRIL 22, 2013
PROJECT NO.: R060112
SCALE :
DRAWN BY : JAW
CHECKED BY : TDS

SHEET TITLE :
**ENLARGED PLANS
AND
LAB LEGEND**

SHEET NO. :
A2.20



LEGEND

NO SCALE 10

GENERAL NOTES

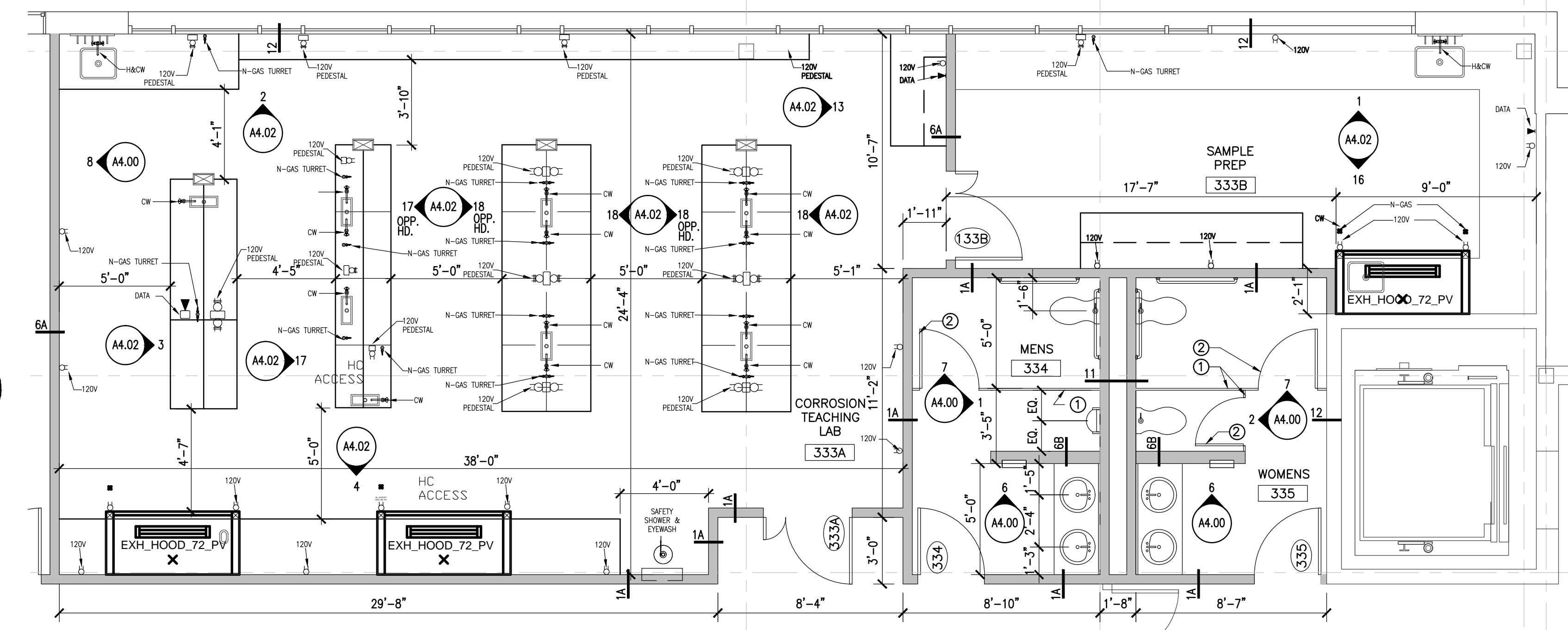
NO SCALE 5

- REFER TO SHT. A3.02 FOR PARTITION TYPES.
- REFER TO FINISH SCHEDULE SHEET A3.03 FOR NEW FINISH REQUIREMENTS.
- REFER TO DOOR SCHEDULE SHT. A3.00 FOR NEW & EXISTING DOOR, FRAME, & HARDWARE REQUIREMENTS.
- REFER TO PLUMBING DRAWINGS FOR NEW PLUMBING FIXTURES.
- REFER TO MECHANICAL DRAWINGS FOR NEW MECH. UNITS.
- ALL ITEMS ARE EXISTING TO REMAIN U.N.O.
- SEE SHT. A3.00 FOR WINDOW & INTERIOR STOREFRONT
- SEE SHT. A0.02 FOR GENERAL PROJECT REQUIREMENTS
- PAINT ALL EXPOSED STRUCTURAL COLUMNS TO MATCH WALL FINISH
- REFER 9/A2.31 FOR TYP. FUME HOOD VENT ROOF PENETRATION DETAIL

- NEW SOLID POLYMER TOILET COMPARTMENT - REF SPECS
- NEW SOLID POLYMER DOOR WITH PIANO CONTINUOUS SPRING HINGE, TYP. - REF SPECS

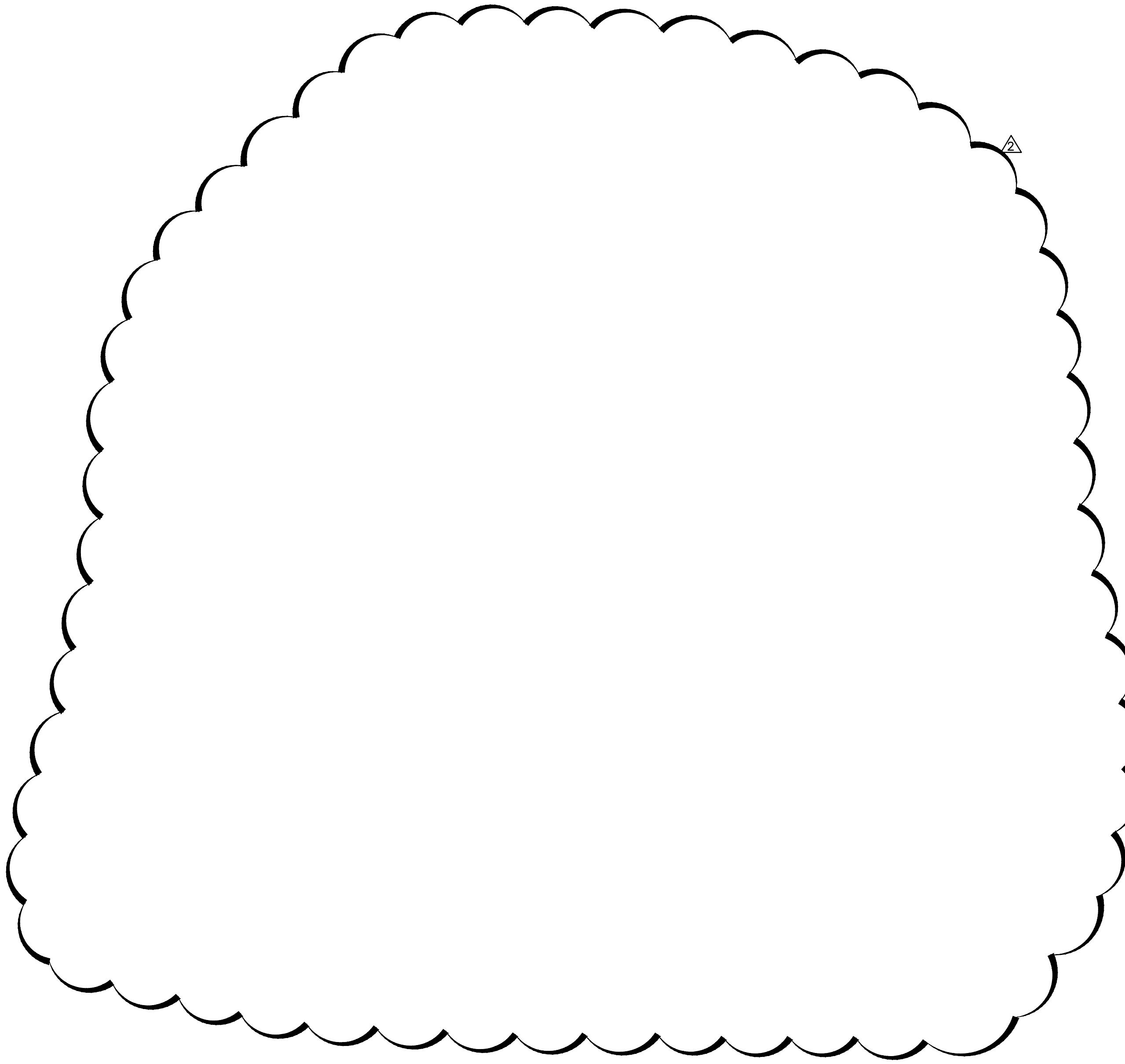
KEY NOTES

NO SCALE 4



ENLARGED FLOOR PLAN

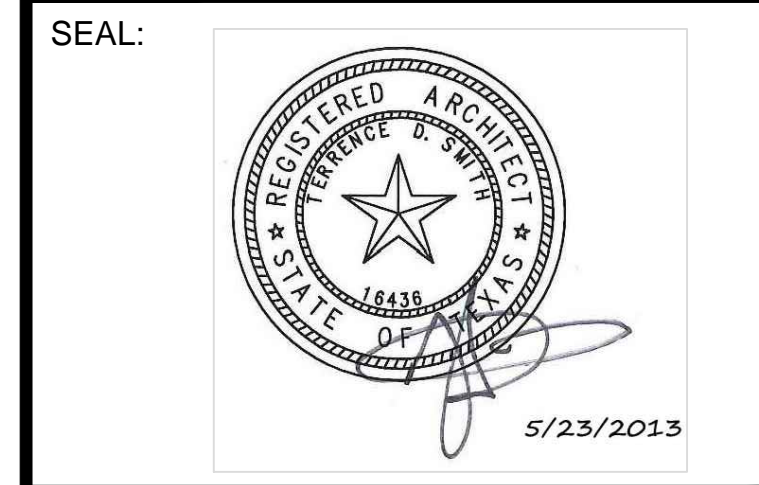
1/4" = 1'-0" 1



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SHEET TITLE :
**LEVEL 3
REFLECTED
CEILING PLAN**

SHEET NO. :
A2.30

- ① EXISTING CEILING TO REMAIN WITH NEW PAINT, RE: FIN. SCHED. A3.03
- ② NO WORK SCHEDULE
- ③ DA-LITE NEW ADVANTAGE ELECTROL (CEILING RECESSED ELECTRIC SCREEN) - 69 inches x 92 inches - PROVIDE SCREEN, POWER, SWITCH AND CONDUIT - REF ELEC.
- ④ CEILING MOUNTED DATA PROJECTOR PROVIDED & INSTALLED BY OWNER. CONTRACTOR TO INSTALL CONDUIT - REF ELEC.
- ⑤ DA-LITE NEW ADVANTAGE ELECTROL (CEILING RECESSED ELECTRIC SCREEN) - PART # 84328LS

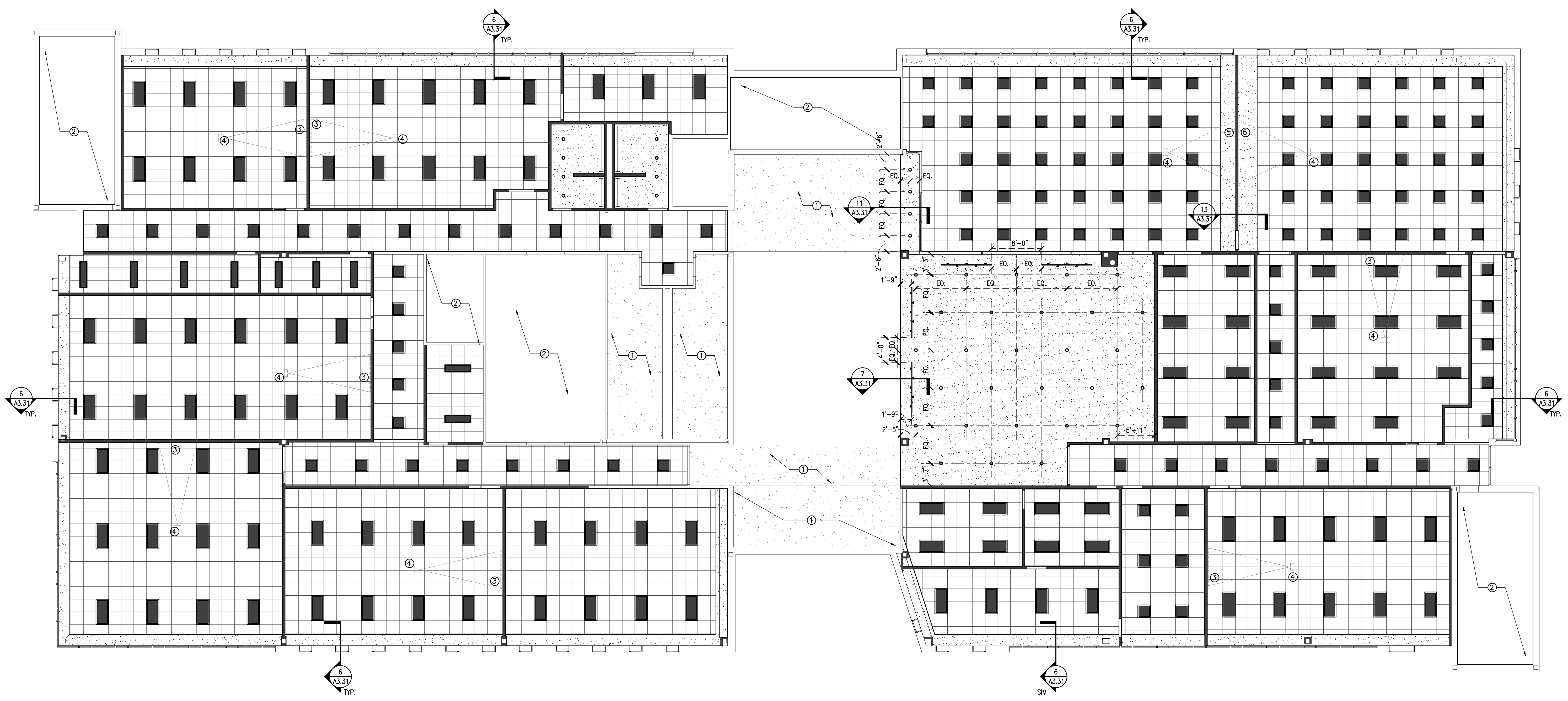
- NEW 8FT TRACK LIGHTING
- NEW LIGHT COVE
- NEW 6 INCH RECESSED CAN FIXTURES
- NEW 1x4 SURFACE MOUNTED FLUORESCENT FIXTURES
- NEW 2x4 RECESSED FLUORESCENT FIXTURES
- NEW 2x2 RECESSED FLUORESCENT FIXTURES
- NEW PAINTED GYP. CEILING
- NEW 2X2 CEILING TILE AND 2X2 GRID SYSTEM

- 1. SEE ELECTRICAL DWG'S FOR LIGHT FIXTURE TYPES.
- 2. MECHANICAL DEVICES NOT SHOWN FOR CLARITY - REF. MECHANICAL
- 3. ALL CEILING ARE 2x2 CEILING TILE AND GRID U.N.O.
- 4. REFER TO SHEET A3.03 FOR FINISH SCHEDULE

KEY NOTES NO SCALE 15

LEGEND NO SCALE 10

GENERAL NOTES NO SCALE 5



LEVEL 3 OVERALL FLOOR PLAN

1/8" = 1'-0" 1

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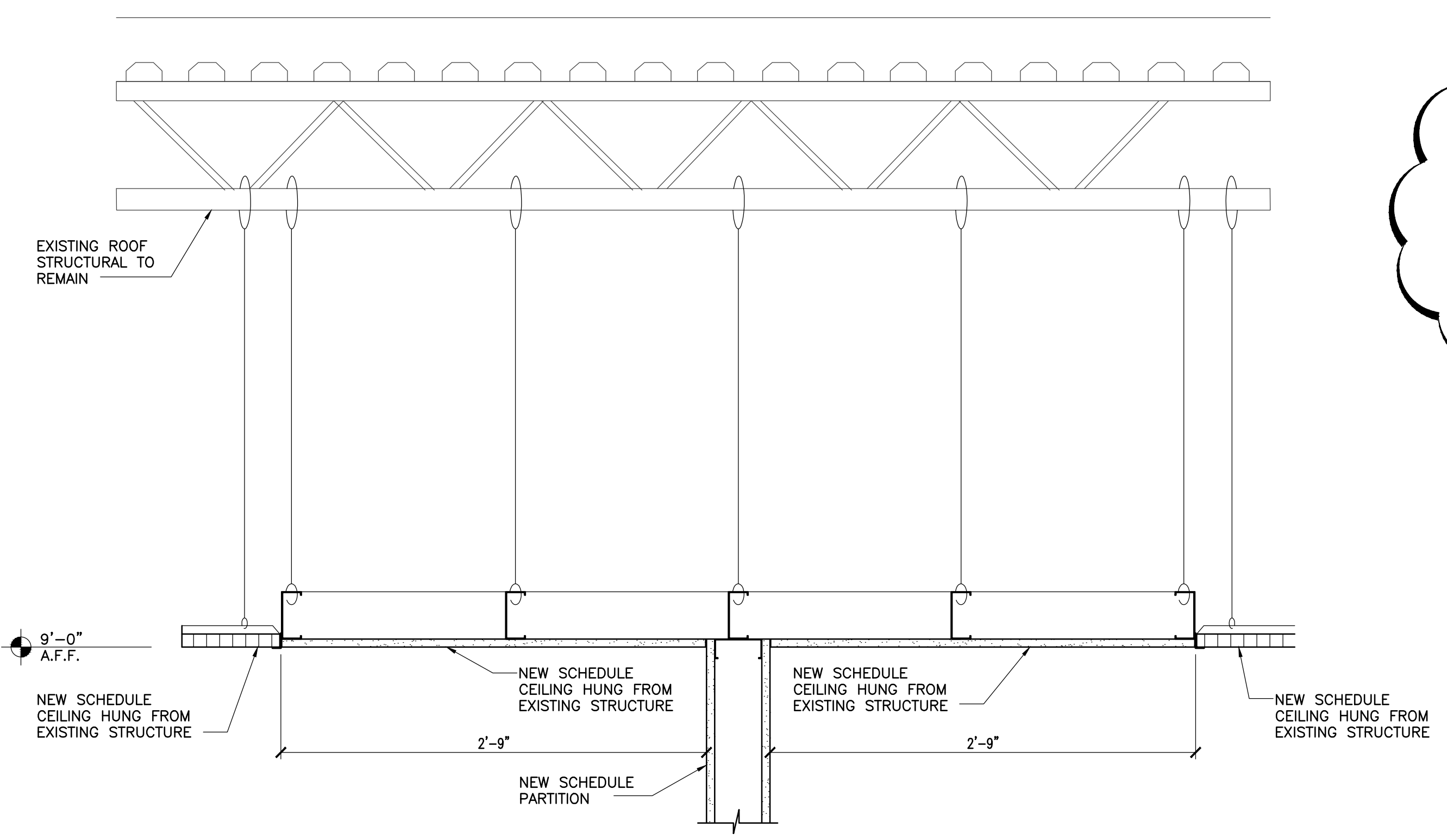
SHEET TITLE :

**ENLARGED REFLECTED
CEILING PLAN**

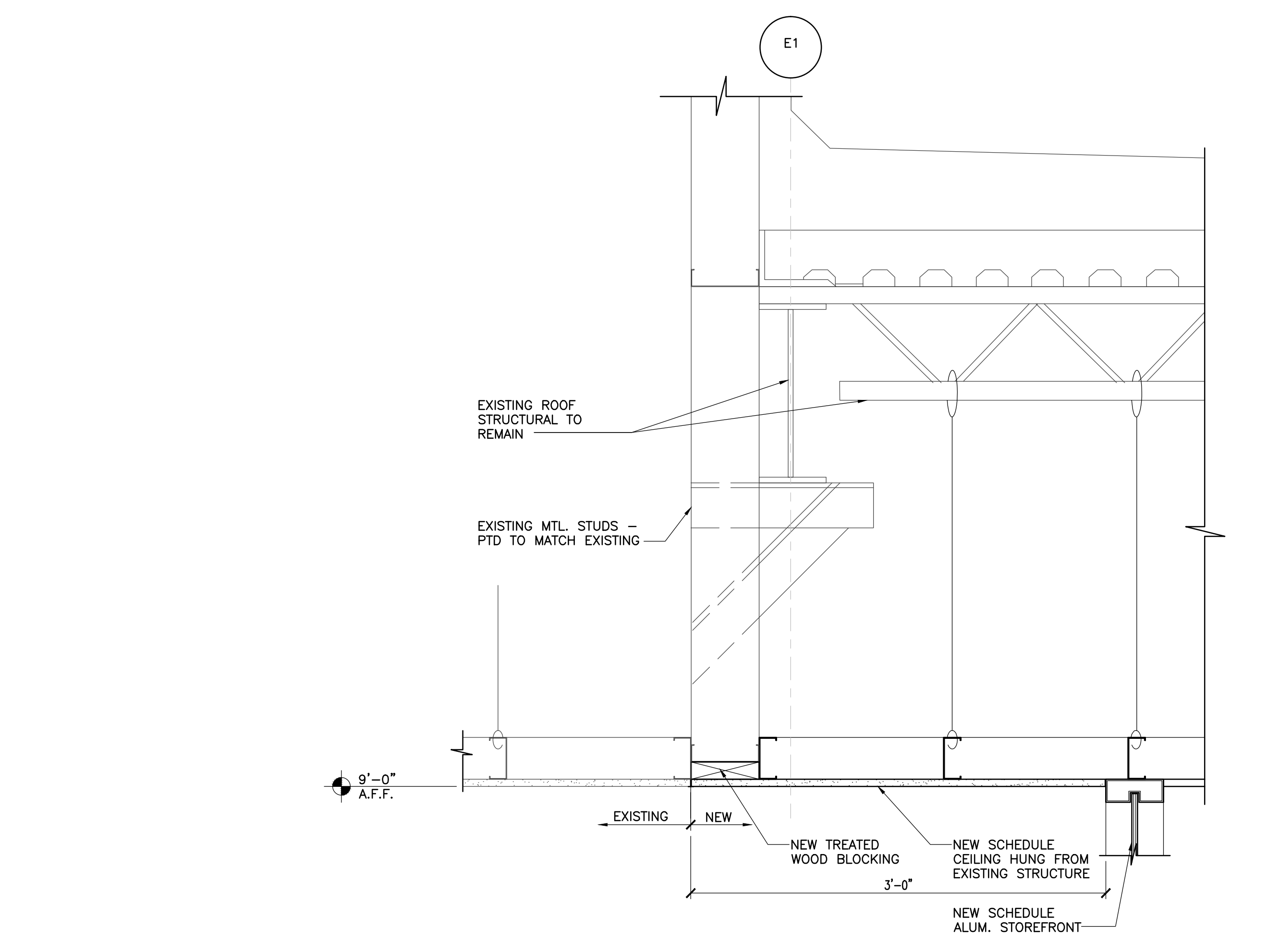
CEILING DETAILS

SHEET NO. :

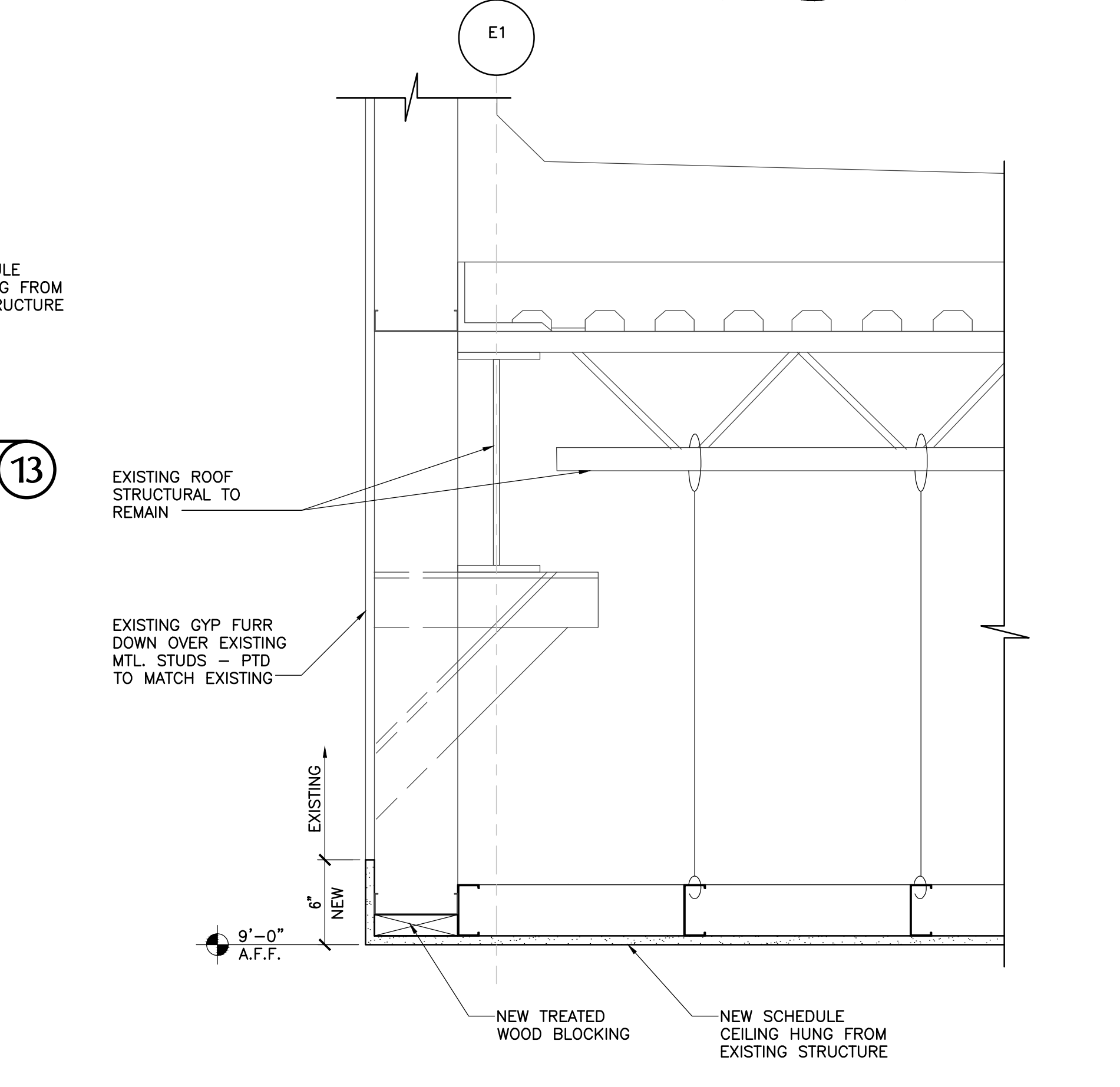
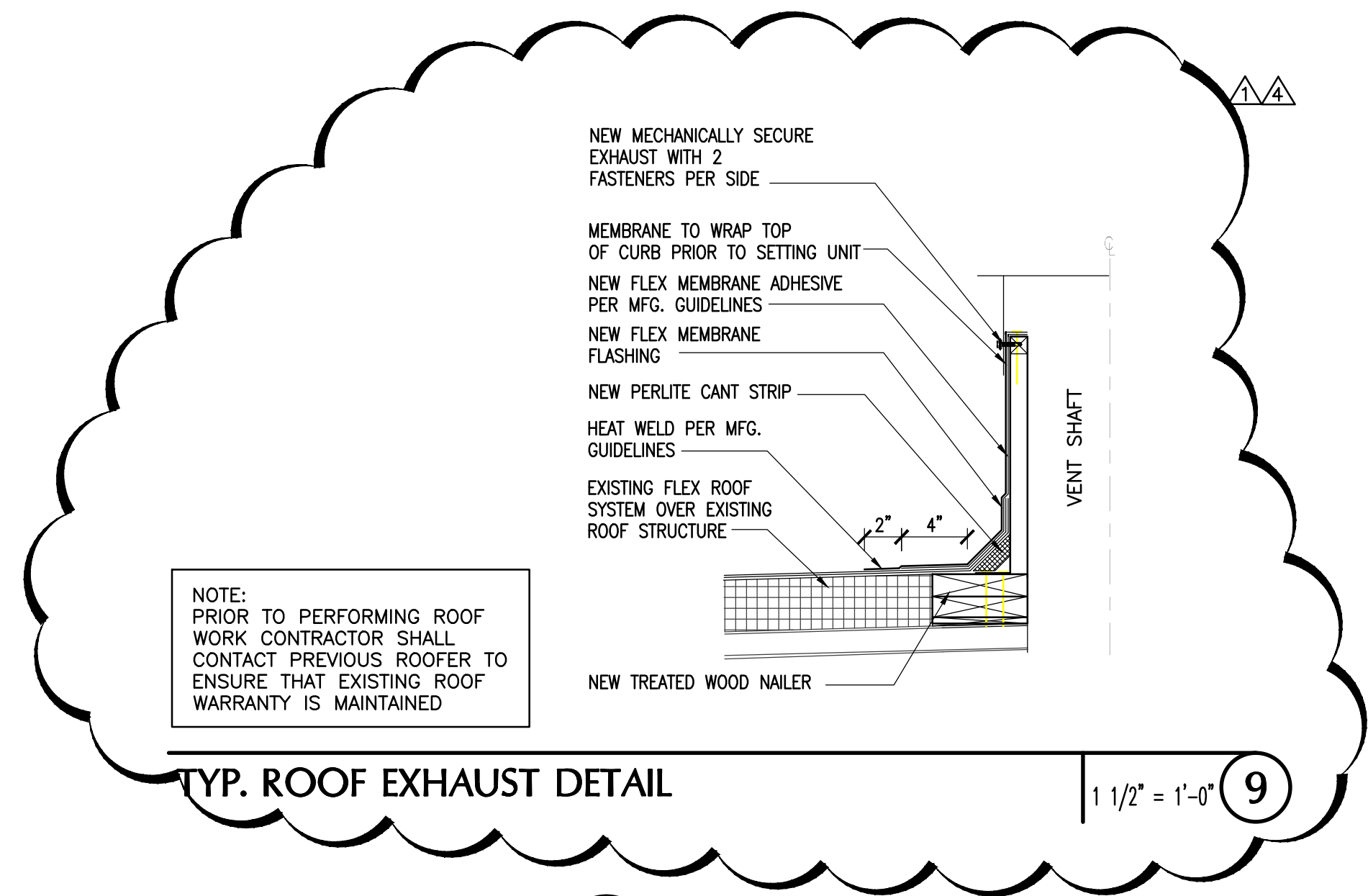
A2.31



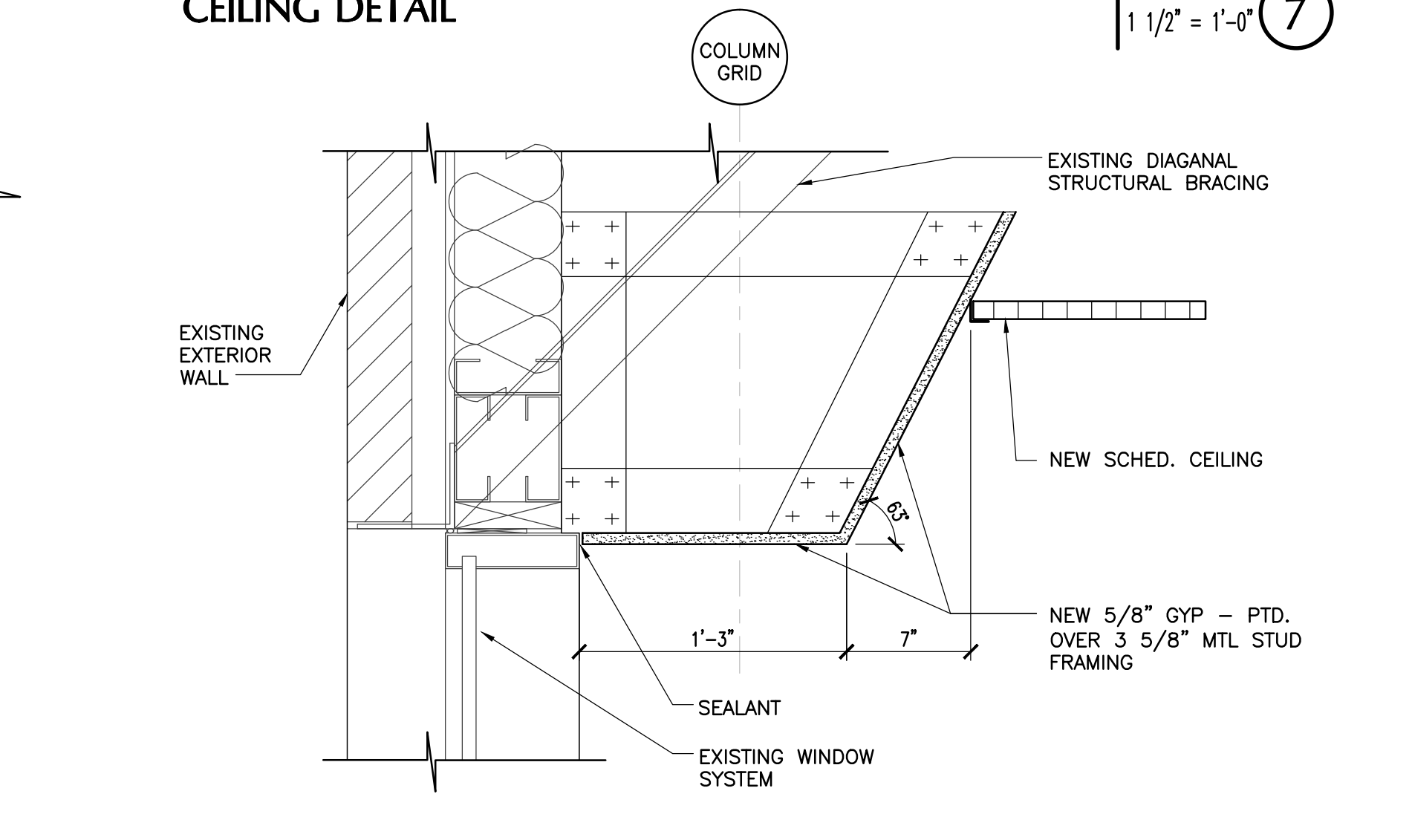
CEILING DETAIL 1 1/2" = 1'-0" 13



CEILING DETAIL 1 1/2" = 1'-0" 11



CEILING DETAIL 1 1/2" = 1'-0" 7



CEILING DETAIL 1 1/2" = 1'-0" 6

① EXISTING CEILING TO REMAIN

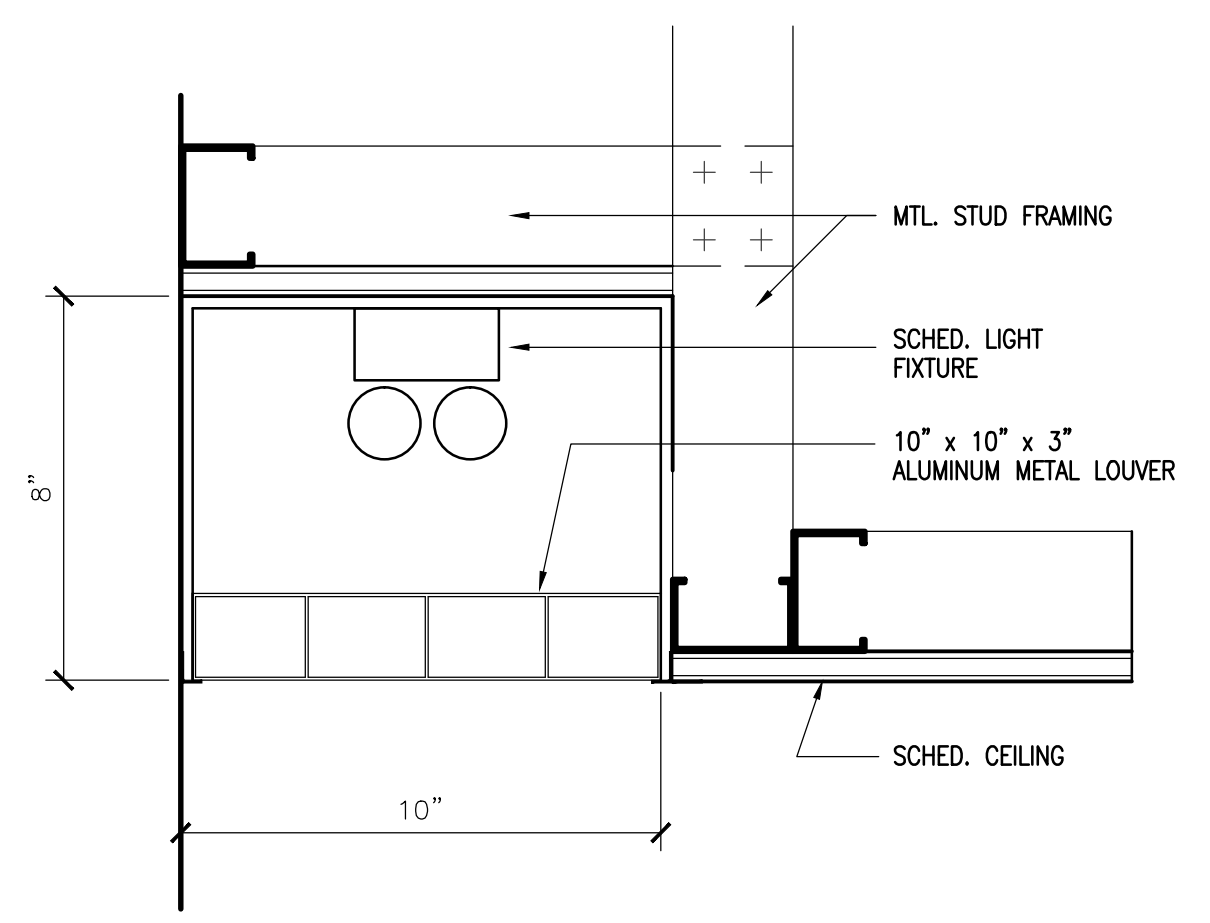
KEY NOTES NO SCALE 5

1. SEE ELECTRICAL DWG'S FOR LIGHT FIXTURE TYPES.
2. MECHANICAL DEVICES NOT SHOWN FOR CLARITY - REF. MECHANICAL
3. ALL CEILING ARE 2x2 CEILING TILE AND GRID U.N.O.
4. REFER TO SHEET A3.03 FOR FINISH SCHEDULE

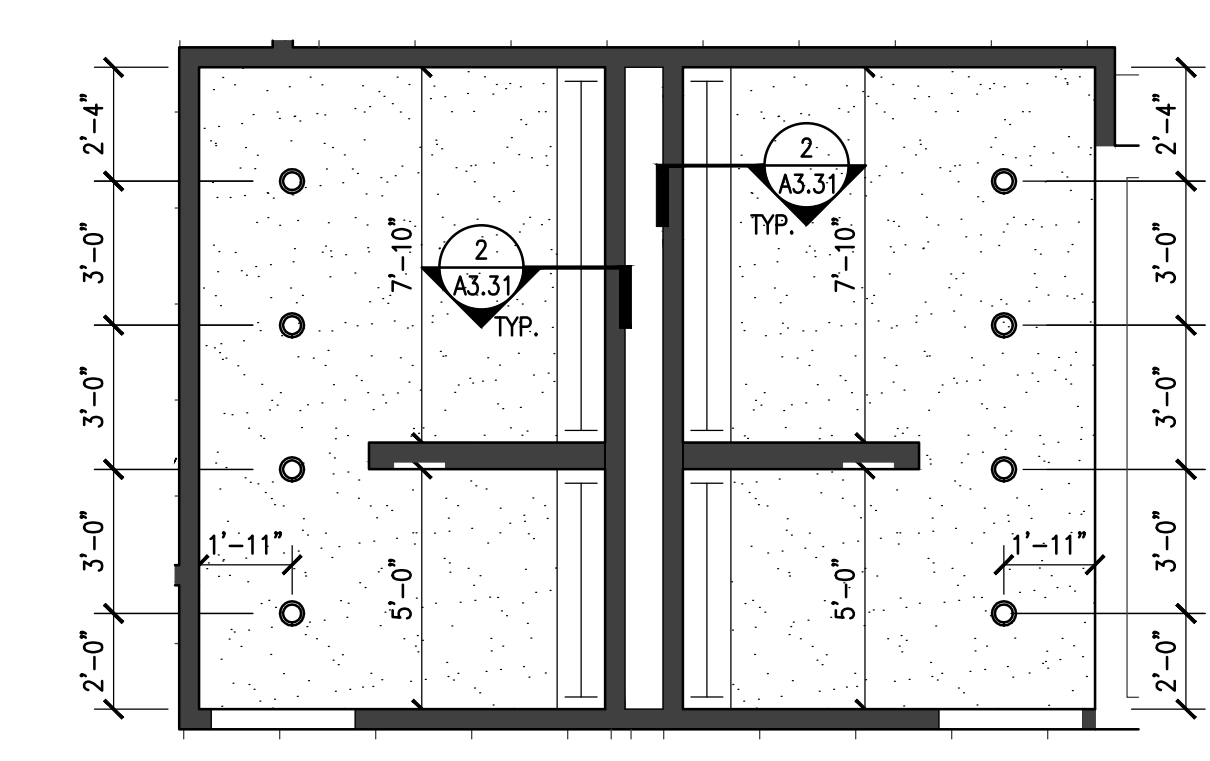
GENERAL NOTES NO SCALE 4

- NEW LIGHT COVE
- NEW 6 INCH RECESSED CAN FIXTURES
- NEW 1x4 SURFACE MOUNTED FLUORESCENT FIXTURES
- NEW 2x4 RECESSED FLUORESCENT FIXTURES
- NEW 2x2 RECESSED FLUORESCENT FIXTURES
- NEW PAINTED GYP. CEILING
- NEW 2X2 CEILING TILE AND 2X2 GRID SYSTEM

LEGEND NO SCALE 3



COVE LIGHTING DETAIL 3" = 1'-0" 2



ENLARGED REFLECTED CEILING PLAN 1/4" = 1'-0" 1

© RM'S 334 & 335

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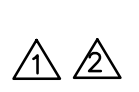
CONSULTANT(S) :

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SHEET TITLE :

**MATERIAL AND FINISH
SCHEDULE**

SHEET NO. :
A3.03



RM #s	ROOM NAME	FLOOR		WALLS					CEILING		REMARKS
		FLOOR	BASE	ALL	NORTH	SOUTH	EAST	WEST	MATL./FINSH	HEIGHT	
300	STAIR 101	VCT-1	RB-1	---	PT-3	PT-2	PT-2	---	---	---	EXISTING, EXCEPT FOR ACCENT PAINT, & VCT FLOORING
301	STAIR 101	---	---	---	---	---	---	---	---	---	EXISTING
302	CENTER FOR ENTR.	OPT-1	RB-1	PT-1	---	---	---	---	ACT-1, GYP-1	9'-0"	REFER TO FINISH PLANS WHERE MULTIPLE FINISHES APPEAR
303	BUSINESS LOUNGE	OPT-2	RB-1	---	PT-2	PT-4	PT-4	PT-3	---	---	PT-3, GRAY GARDENS, ON COLUMNS ONLY, IN BUSINESS LOUNGE
304	STORAGE	VCT-4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
305	COMPUTER CLASS RM.	OPT-1	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
306A	CORRIDOR	VCT-4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
306B	CORRIDOR	VCT-4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
307A	CORRIDOR	VCT-4	RB-1	PT-1	---	---	---	---	---	---	EXISTING
307B	CORRIDOR	VCT-4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	EXISTING
308	STAIR 108	---	---	---	---	---	---	---	---	---	EXISTING
309	LOGISTICS CLASS RM.	VCT-1-4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
310	CONFERENCE RM.	OPT-1	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
311	RECEPTION	OPT-1	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
312	OFFICE	OPT-1	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
313	OFFICE	OPT-1	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
317	CORRIDOR	VCT-4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
318	STUDENT LOUNGE	VCT-1-4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
319	CLASS RM.	VCT-2,4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
320	ELECTRICITY CLASS RM.	VCT-2,4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
321	CORROSION COMPUTER	OPT-1	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
323	STORAGE	VCT-4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
324	STORAGE	VCT-4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
325	JANITORS CLOSET	VCT-4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
326	L.T. / A.V.	VCT-4	RB-1	PT-1	---	---	---	---	---	---	NOT IN SCOPE
327	MECHANICAL	VCT-4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	NOT IN SCOPE
328	WOMENS TOILET ROOM	---	---	---	---	---	---	---	---	---	NOT IN SCOPE
329	MENS TOILET ROOM	---	---	---	---	---	---	---	---	---	NOT IN SCOPE
330	CORRIDOR	VCT-4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
331	STAIR 131	---	---	---	---	---	---	---	---	---	EXISTING
332	CLASSROOM	VCT-2,4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
333	CORROSION LAB	VCT-2,4	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
333	SAMPLE PREP	VCT-2	RB-1	PT-1	---	---	---	---	ACT-1	9'-0"	
334	MENS TOILET ROOM	CT-1	CTB-1	CWT-1, PT-1	---	---	---	---	ACT-1	9'-0"	
335	WOMENS TOILET ROOM	CT-1	CTB-1	CWT-1, PT-1	---	---	---	---	ACT-1	9'-0"	

ROOM FINISH SCHEDULE

NO SCALE 5



MATERIALS AND FINISHES

FLOOR FINISHES	WALL FINISHES	CEILING FINISHES	BASE FINISHES	MILLWORK FINISHES
<p>VCT-1 VINYL COMPOSITION TILE LOCATION: LOBBY, STUDENT LOUNGE, CLASSROOM MFR./NAME/NO.:/ JOHNSONITE/ AZROCK/ V-234 SIZE: 12"x12"x1/8" COLOR: FINCH OF SALT REMARKS:</p> <p>VCT-2 VINYL COMPOSITION TILE LOCATION: STUDENT LOUNGE, CLASSROOMS MFR./NAME/NO.:/ JOHNSONITE/ AZROCK/ V-214 SIZE: 12"x12"x1/8" COLOR: ASHES REMARKS:</p> <p>VCT-3 VINYL COMPOSITION TILE LOCATION: STUDENT LOUNGE, CLASSROOM MFR./NAME/NO.:/ JOHNSONITE/ AZROCK/ V-2605 SIZE: 12"x12"x1/8" COLOR: BUTTERNUT REMARKS:</p> <p>VCT-4 VINYL COMPOSITION TILE LOCATION: CORRIDORS, STUDENT LOUNGE, CLASSROOMS MFR./NAME/NO.:/ JOHNSONITE/ AZROCK/ V-220 SIZE: 12"x12"x1/8" COLOR: CAST PEWTER REMARKS:</p>	<p>PT-1 WALL PAINT LOCATION: GENERAL MFR./NAME/NO.:/ BENJAMIN MOORE/ REVERE PEWTER/ HC-172 TYPE: LATEX ENAMEL COLOR: REVERE PEWTER/ HC-172 FINISH: SATIN REMARKS:</p> <p>PT-2 WALL PAINT LOCATION: BUS. LOUNGE 303, STUDENT LOUNGE 318 MFR./NAME/NO.:/ BENJAMIN MOORE/ SANDY HOOK GRAY/ HC-108 TYPE: LATEX ENAMEL COLOR: SANDY HOOK GRAY/ HC-108 FINISH: SATIN REMARKS:</p> <p>PT-3 WALL PAINT LOCATION: BUS. LOUNGE 303, LOBBY NORTH WALL & COLUMNS MFR./NAME/NO.:/ BENJAMIN MOORE/ GRAY GARDENS/ CSP-55 TYPE: LATEX ENAMEL COLOR: GRAY GARDENS/ CSP-55 FINISH: SATIN REMARKS:</p> <p>PT-4 WALL PAINT LOCATION: BUSINESS LOUNGE EAST & SOUTH WALL MFR./NAME/NO.:/ BENJAMIN MOORE/ PASSION PLUM/ 2073-20 TYPE: LATEX ENAMEL COLOR: PASSION PLUM/ 2073-20 FINISH: SATIN REMARKS:</p> <p>PT-5 WALL PAINT LOCATION: MENS & WOMENS RESTROOMS 334 & 335 MFR./NAME/NO.:/ BENJAMIN MOORE/ REVERE PEWTER/ HC-172 TYPE: LATEX ENAMEL COLOR: REVERE PEWTER/ HC-172 FINISH: SEMI-GLOSS REMARKS:</p>	<p>ACT-1 ACOUSTICAL CEILING TILE LOCATION: CORRIDORS 101A, 101B, 103, 105 MFR./NAME/NO.:/ USG/ OLYMPIA MICRO CLIMA PLUS PANELS/4231 GRID: FINELINE DXF 2' x 2' x 5/8" GRID COLOR: WHITE REMARKS:</p> <p>GYP-1 PAINTED GYPSUM LOCATION: MEN'S AND WOMEN'S RESTROOMS MFR./NAME/NO.:/ IC/ LT120-88 COLOR: QUIET SHELL FINISH: SATIN REMARKS:</p>	<p>RB-1 RUBBER BASE LOCATION: GENERAL MFR./NAME/NO.:/ ROPPE/ PINNAACLE/ 700 SERIES HEIGHT: 4" COLOR: 123 CHARCOAL REMARKS:</p> <p>CTB-1 CERAMIC TILE BASE LOCATION: MENS & WOMENS RESTROOMS 334 & 335 MFR./NAME/NO.:/ DAL TILE/ SEMI GLOSS/ A-3601 TYPE: COVE BASE SIZE: 6 x 6 SETTING BED : THIN SET COLOR: ARCTIC WHITE (1) 0190 GROUT: LATICRETE/ BRIGHT WHITE 44/ 1/8" REMARKS:</p>	<p>SF-1 SOLID SURFACE LOCATION: MENS & WOMENS RESTROOMS 334 & 335 MFR./NAME/NO.:/ DUPONT/ ZODIAC/ STORM GREY COLOR: REMARKS:</p> <p>TP-1 TOILET PARTITIONS LOCATION: MENS & WOMENS RESTROOMS 334 & 335 MFR./NAME/NO.:/ SCRANTON PRODUCTS/ CLASSIC/ BLACK COLOR/FINISH: BLACK/ ORANGE PEEL HARDWARE/REMARKS: STEALTH HARDWARE/ FLOOR MOUNT W/ TOP RAIL</p> <p>PL-1 PLASTIC LAMINATE LOCATION: ALL INTERIOR DOORS MFR./NAME/NO.:/ FORMICA/ MACCHIATO WALNUT/ 6932-NT COLOR/FINISH: REMARKS: ALL INTERIOR DOORS TO MATCH EXISTING FINISHES ON LEVELS 1 & 2 **ALL DOOR FRAMES TO BE PAINT TO MATCH FINISH ON LEVELS 1 & 2</p> <p>TP-1 TOILET PARTITIONS LOCATION: MENS & WOMENS RESTROOMS 334 & 335 BATHROOM STALLS MFR./NAME/NO.:/ SCRANTON PRODUCTS/ CLASSIC/ BLACK COLOR/FINISH: BLACK/ ORANGE PEEL HARDWARE/REMARKS: STEALTH HARDWARE/ FLOOR MOUNT W/ TOP RAIL</p>
<p>CPT-1 CARPET TILE LOCATION: 302A & 302B, OFFICES & 311, 310, & COMP. CLASSES 305 & 321 MFG./NAME/NO.:/ MANNINGTON/ SOCIAL- INFINITY MODULAR/ NETWORKED COLOR: NETWORKED/ 83198 CONTENT: INSTALLATION: VERTICAL ASHLAR SIZE: 24x24</p> <p>CPT-2 CARPET TILE LOCATION: BUSINESS LOUNGE 303 MFG./NAME/NO.:/ MANNINGTON/ SOCIAL-INFINITY MODULAR/ UPLOAD COLOR: UPLOAD/ 43211 CONTENT: INSTALLATION: VERTICAL ASHLAR SIZE: 24x24</p>	<p>CT-1 TILE LOCATION: MENS & WOMENS RESTROOMS 334 & 335 MFG./NAME/NO.:/ DAL TILE/ COLOUR SCHEME/ B905 TYPE: GLAZED PORCELAIN SIZE: 18 x 18 FIELD TILE SETTING BED : THIN SET COLOR: DESERT GRAY/ B905 GROUT: LATICRETE/ DUSTY GREY 60/ 1/8" REMARKS: INSTALL MONOLITHIC PATTERN</p> <p>CT-2 WALL TILE LOCATION: MENS & WOMENS RESTROOMS 334 & 335 MFG./NAME/NO.:/ DAL TILE/ SEMI GLOSS/ TYPE: GLAZED CERAMIC TILE SIZE: 3 x 6 FIELD TILE (100 TILES/CARTON) SETTING BED : THIN SET COLOR: ARCTIC WHITE (1) 0190 GROUT: LATICRETE/ BRIGHT WHITE 44/ 1/8" TRIM: BULLNOSE/ S-4269/ 2x6 REMARKS: 1/3 RUNNING BOND, TRIM HT. @ 5'-6" ALL WALLS PAINT ABOVE TRIM TO FINISH AT CEILING, PT-5</p>			

MATERIAL AND FINISH SCHEDULE

NO SCALE 1

SYMBOL LIBRARY			
TOP VIEW	FRONT VIEW	SIDE VIEW	DESCRIPTION
			DATA/VOICE - WALL MOUNT
			DATA/VOICE - BENCH MOUNT
			ELECTRICAL CIRCUIT SYMBOL 120V - WALL MOUNT
			ELECTRICAL CIRCUIT SYMBOL 220V - BENCH MOUNT
			ELECTRICAL CIRCUIT SYMBOL 120V - BENCH MOUNT
			EYEWASH - BENCH MOUNT
			DOUBLE TURRET - BENCH MOUNT
			SINGLE TURRET - BENCH MOUNT
			VALVE - BENCH MOUNT
			HOT/COLD WATER (HCW) FAUCET
			DEIONIZED WATER (DI) FAUCET
			COLD WATER (CW) PANEL MOUNT (IN HOOD)
			CUP SINK (CS)
			EPOXY RESIN SINK
			PEGBOARD
			SNORKEL (ADJUSTABLE)
			DIRECT CONNECT
			EYEWASH/SAFETY SHOWER - FLOOR MOUNT
			FUMEHOOD
			HOOD ENCLOSURE
			TURRET - PANEL MOUNT (IN HOOD)
			VALVE
			FUME HOOD REMOTE CONTROL HANDLE USED AT FUME HOODS
			DOUBLE COLD WATER TURRET - BENCH MOUNT
			SINGLE COLD WATER TURRET - BENCH MOUNT

TURNKEY INSTALLATION SPECIFICATIONS:
(PROVIDED BY LABORATORY CASEWORK/FUME HOOD MANUFACTURER/SUBCONTRACTOR.)

- ERECTION**
- Take field measurements so that factory can fabricate tops and other items of equipment to fit space allotted.
 - Unload all items of laboratory equipment at jobsite.
 - Inspect all items for visible and concealed damage (report any damage to carrier). Inspect all tops for chips and breakage. Inventory all items (report shortages in writing).
 - Move to proper location where equipment is to be installed. Set, level, anchor and scribe to walls.
 - Furnish hangers, fasteners, compounds and silicones necessary to secure each piece of equipment to walls, floors and ceilings. Set mechanical fixtures, large sinks and cup sinks and electrical fixtures mechanically in place.
 - Supply and install base molding on laboratory equipment to match building cove molding.

- SANITARY DRAIN SYSTEM**
- Supply and install epoxy sinks, sink strainers, traps and drain line material from opening in sink to point of rough-in within each assembly.
 - Cup sinks shall be provided with APG traps; all other sinks shall be provided with non-siphoning APG drum traps.
 - RE to MEP Plans and Specifications for all drain line materials.

- SERVICE PIPING**
- Furnish service piping from shank on each fixture to point of rough-in.
 - Rough-in shall be provided with cut-off valve one time for each service within each assembly of equipment.

- ELECTRICAL**
- Furnish electrical conduit and wiring from each receptacle to junction box within each assembly. This includes interlocking blower with blower switch and light with light switch for fume hoods. Also includes disconnect switches and motor starters as required for each blower.
 - All wiring to be in accordance with the current issue of the National Electric Code and/or specifications for this project.

- DUCT AND BLOWER SYSTEM**
- Make in roof and duct flashing shall be provided as required by General Contractor.
 - Set exhaust blower(s) permanently in place, furnishing blower foundation and vibration isolators.
 - Furnish Fume Hood and exhaust BSC exhaust duct from collar on hood to blower and from blower to atmosphere. A Zero Static Pressure Loss Stack head (ZSPL) will be attached to the outlet of the exhaust fan.
 - RE to MEP Plans and Specifications for all exhaust duct material.
 - Perform fume hood certification in accordance with the ASHRAE / ANSI Z9.5 procedure. Adjust exhaust blower to produce 100 fpm average face velocity. Submit hood certification chart on each hood to Owner. Attach one certification sticker to face of each hood.

- MISCELLANEOUS**
- Clean, test and adjust ready for use.
 - Remove all trash and put in dumpster, dumpster provided by others.
 - One year warranty on work.
- WORK BY OTHERS**
- Rough-in of services as noted.
 - Grounds in wall for support of wall cases or shelving.
 - Properly vented drain rough-ins.

CASEWORK / FUME HOOD SPECIFICATIONS

- CASEWORK**
- All Casework shown on the Plans and Elevations will be:
 - Wood Casework manufactured by Mott Manufacturing Co. or approved.
 - Cabinet Door and Drawer cores will be Particle Board Plywood.
 - Standard Overlay Reveal.
 - Standard front and back rail cabinets.
 - Standard full extension drawer slides.
 - Door & Cabinet Pulls - standard Option 62'
 - Door / Hinges - standard Option 20.
 - Door Pull - configuration 1; standard.
 - Door Systems - standard.
 - Lock Type - Option LK4. (ALL CABINETS AND DRAWERS WILL REQUIRE LOCKS)

- All casework Tops and Splashes will be modified epoxy resin.
- All tops will be factory cut for all necessary openings for all mechanical / electrical & plumbing fixtures.
- All mechanical / electrical & plumbing fixtures will be as shown on the MEP Drawings and Specifications.

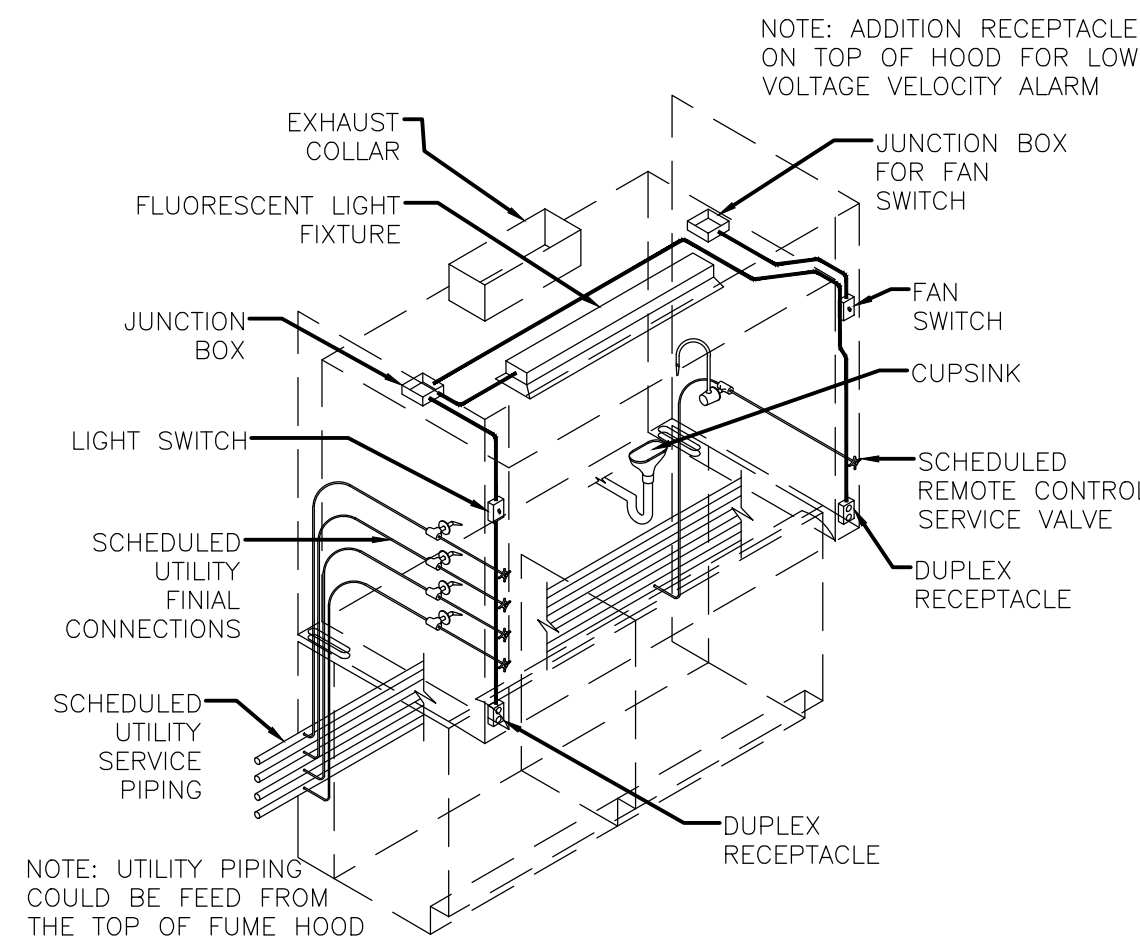
- Approved Wood Casework vendors are:
- Kewanee Scientific (Hallmark)
 - Halderman Homme

- All Exhaust Fume Hoods shown on the Plans and Elevations will be:
- Therma Scientific Hamilton / SafeAire II restricted bypass superstructure of approved equal
 - Fume Hood Size 72" unless noted otherwise.
 - Collar size 6" X 23"
 - 100 FPM vertical sash - 18" opening / 785 FPM - SP 0.13
 - All Fume Hoods shall have Ceiling Closure Panels provided by the Hood Manufacture. Coordinate height of closure panel with actual ceiling heights.

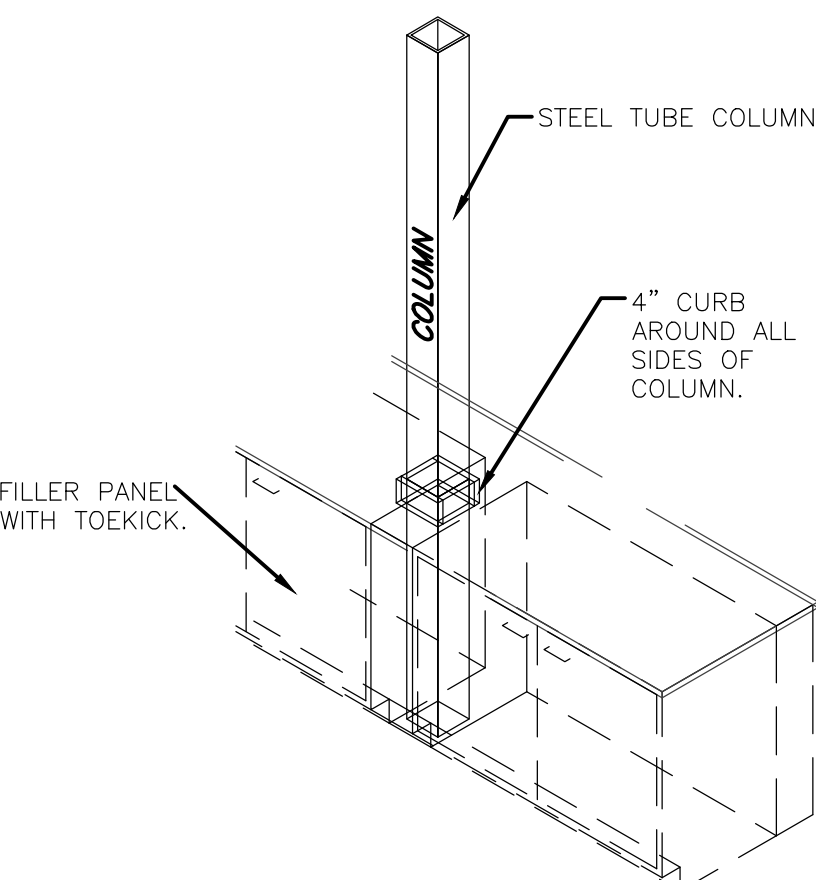
- All Fume Hood Tops and Splashes will be modified epoxy resin.
- All tops will be factory cut for all necessary openings for all mechanical / electrical & plumbing fixtures.
 - All mechanical / electrical & plumbing fixtures will be as shown on the MEP Drawings and Specifications.

- Approved Fume Hood vendors are:
- Mott Manufacturing Co.
 - Kewanee Scientific (Hallmark)

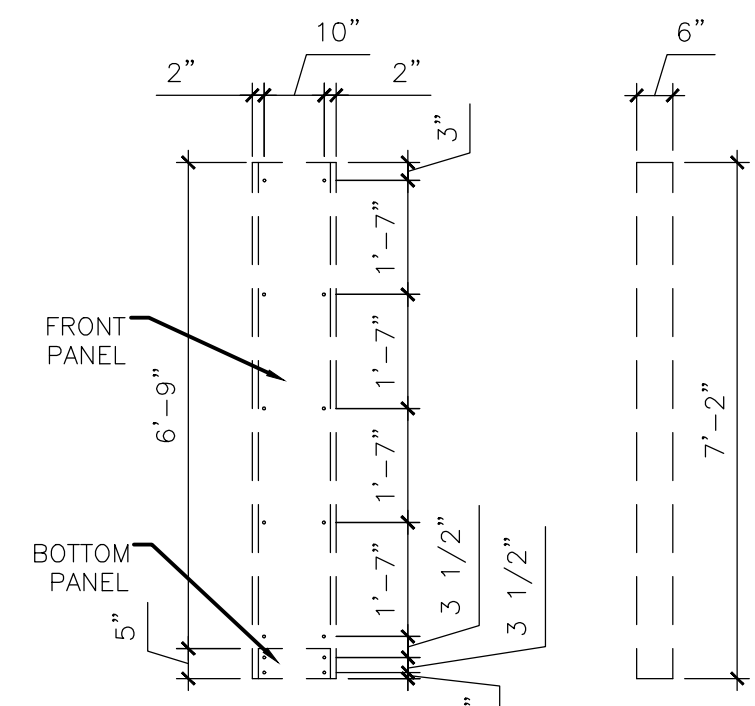
- All Biological Safety Cabinets shown on the Plans and Elevations will be:
- Labconco - Purifier Logic + Class II complete with hood and leg assemblies.
 - Include all lights, electrical outlets, stainless steel tops and surfaces.
 - BSC Hood to be ADA-Compliant and will include all service fixtures and utilities as shown on the MEP Drawings and Specifications.



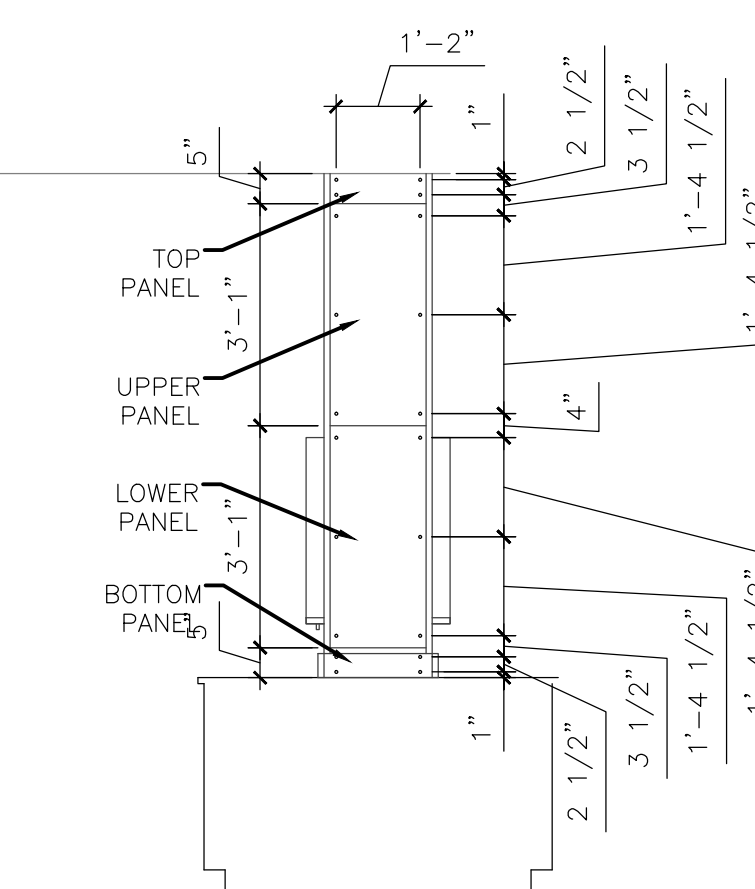
TYPICAL FUME HOOD UTILITY ARRANGEMENT SCALE = NTS



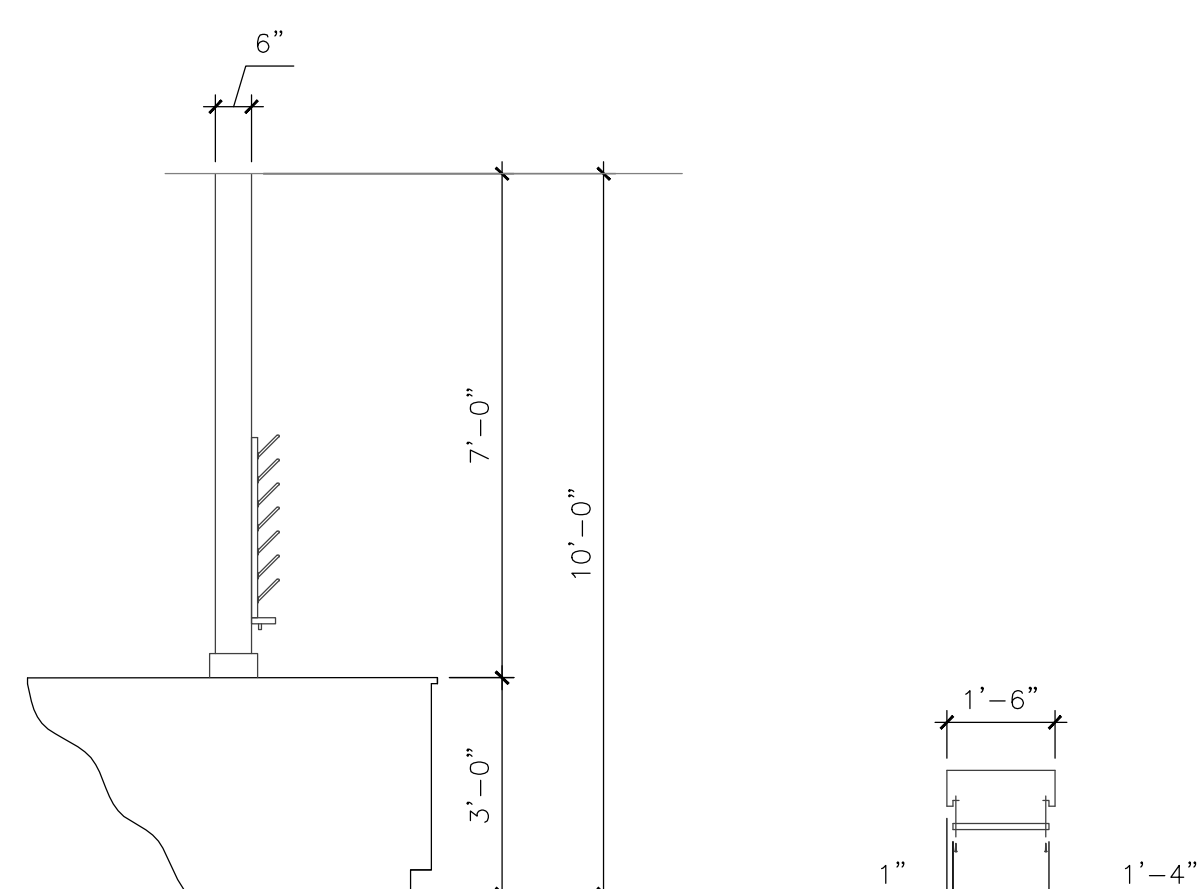
COLUMN/CASEWORK INTERSECTION SCALE = NTS



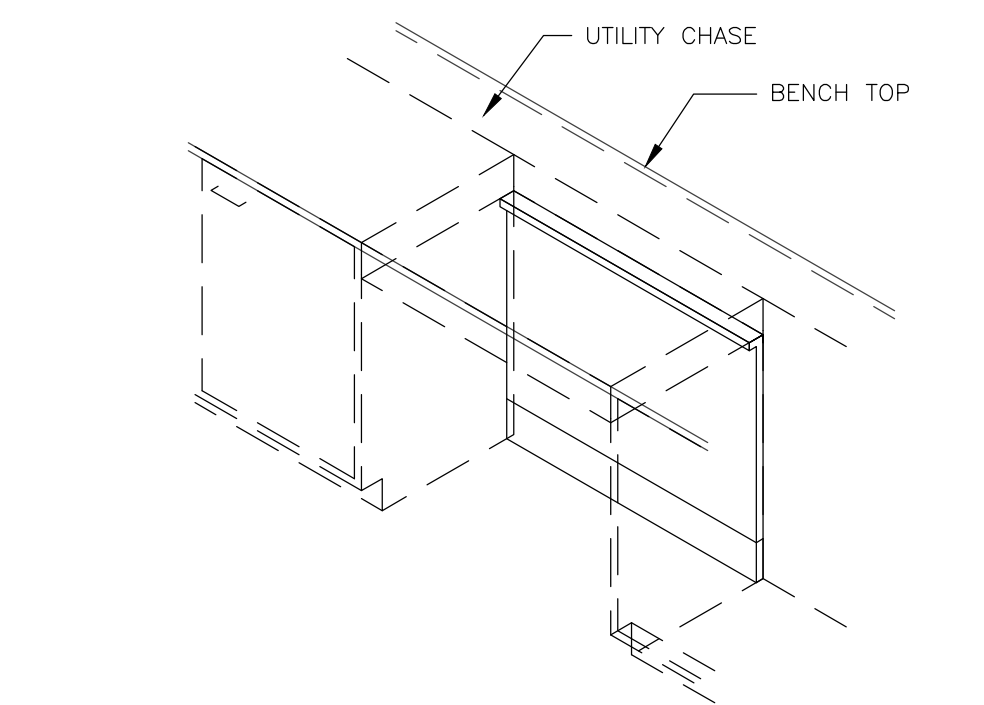
BENCH TOP TO CEILING UTILITY CHASE



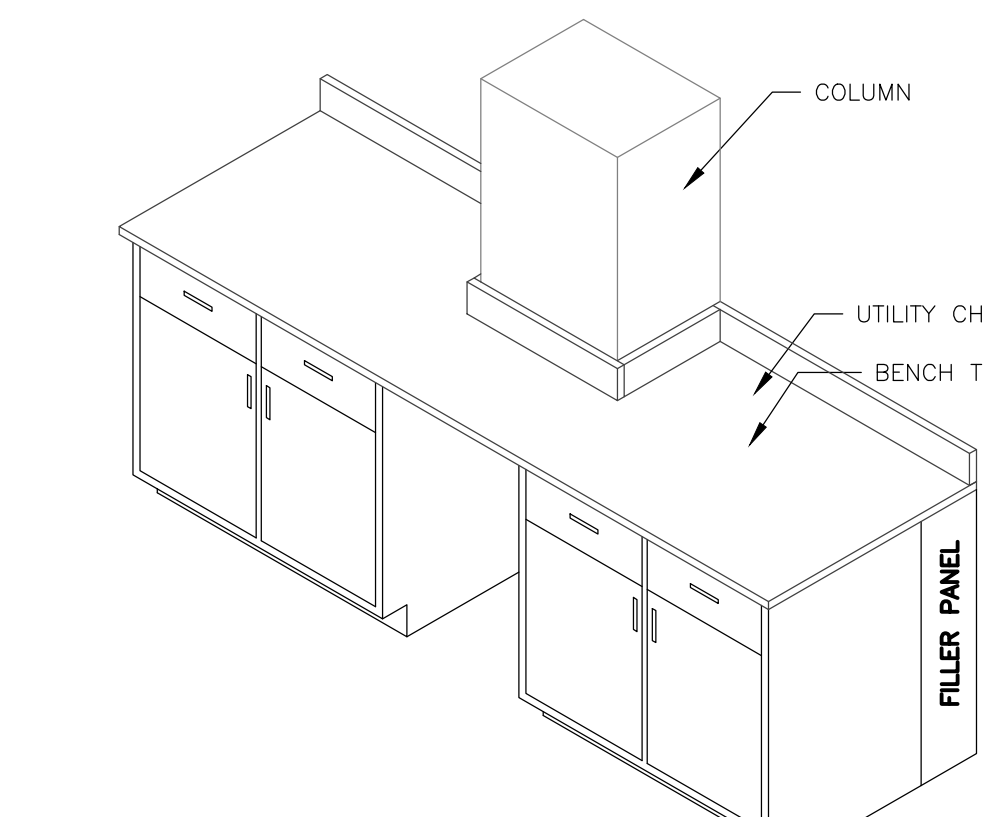
DETAIL - BENCHTOP TO CEILING UTILITY CHASE SCALE = NTS



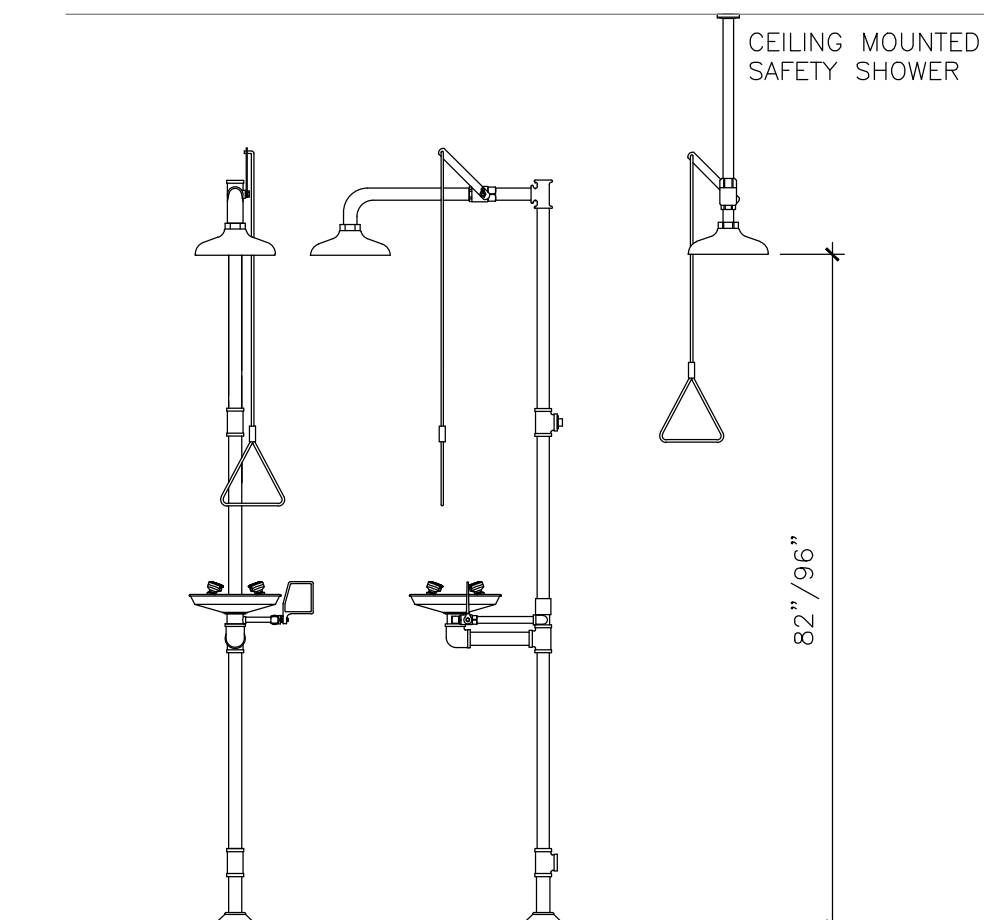
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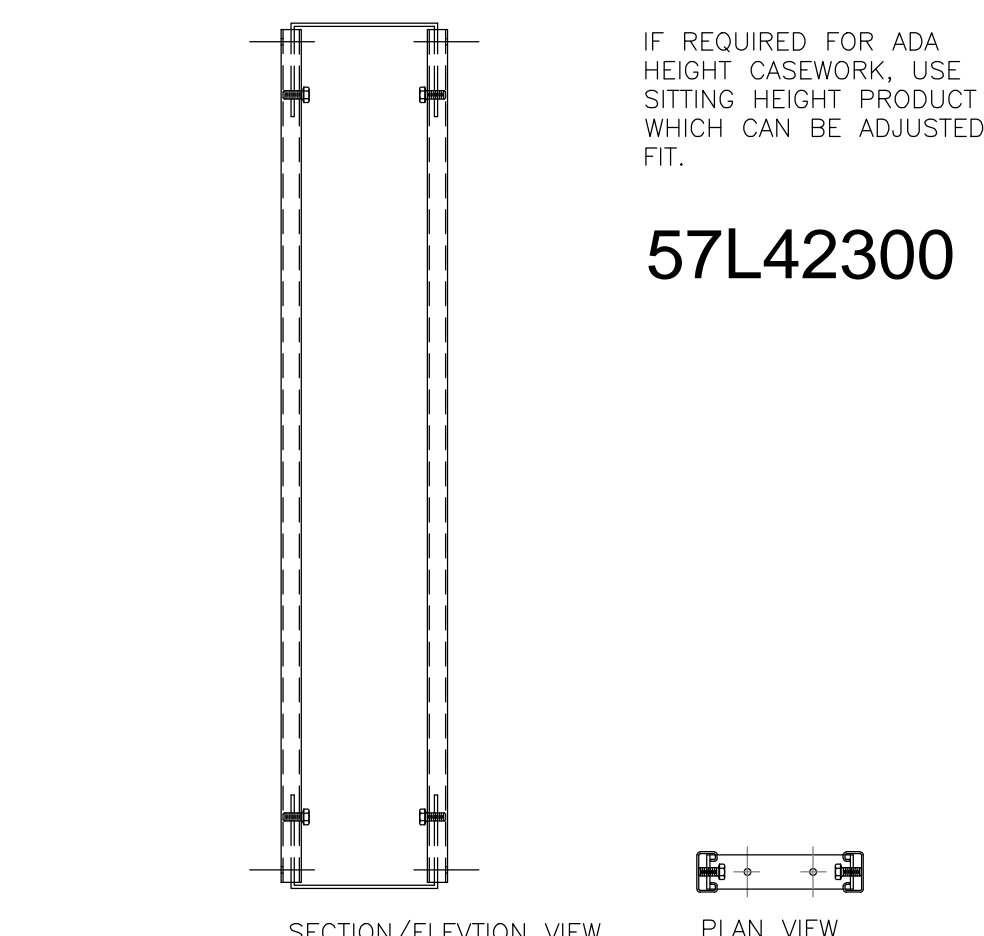
KNEE SPACE PANEL SCALE = NTS



KNEE SPACE PANEL COLUMN SCALE = NTS



SAFETY SHOWER / EYE WASH SCALE = NTS



STRUT ASSEMBLY SCALE = NTS

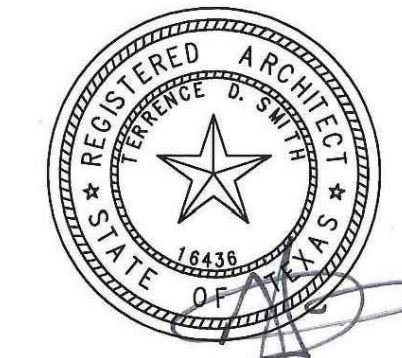
ISSUE LOG

NO.	DATE	DESCRIPTION
△	5-13-2013	ADDENDUM 1
△	5-23-2013	ADDENDUM 4

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SEAL:



PROJECT NAME :

SE CAMPUS
WORK FORCE BUILDING
LEVEL 3 RENOVATION
HOUSTON COMMUNITY COLLEGE

6815 RUSTIC AVE.,
HOUSTON, TX 77087



KEY MAP:

REVIEWED:

PROJECT MANAGER _____ SPONSORING DEPARTMENT _____

PROJECT MANAGER _____

CONSULTANT(S) :

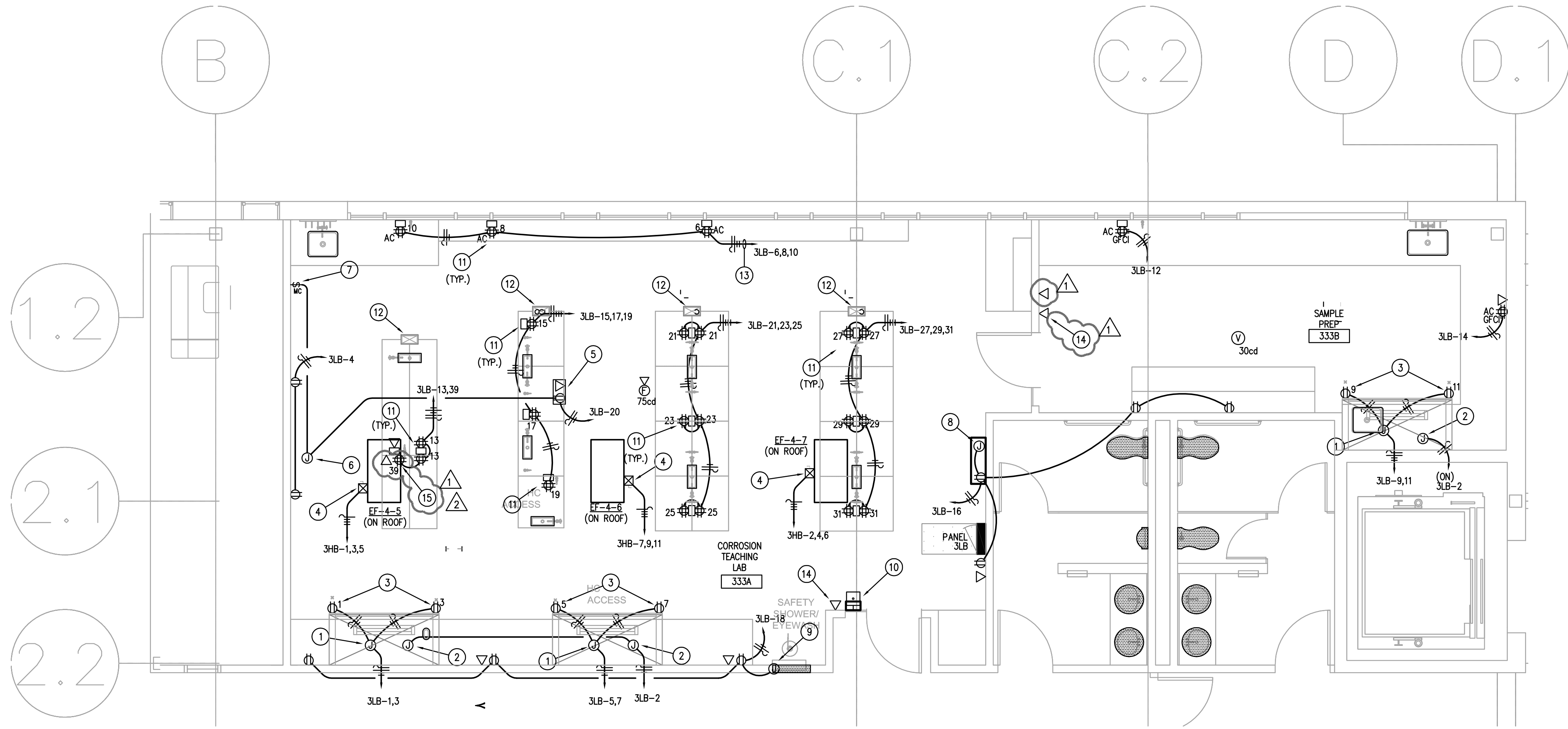
DATE : APRIL 22, 2013
PROJECT NO.: R060112
SCALE : VARIES
DRAWN BY : JAW
CHECKED BY : TDS

SHEET TITLE :

SCHEDULE, LEGENDS & GENERAL NOTES

SHEET NO. :

A4.01



1 ENLARGED LAB POWER PLAN
E-231 1/4"=1'-0"

ELECTRICAL GENERAL NOTES:

- A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE VERIFIED EXISTING JOB-SITE CONDITIONS DURING THE BIDDING PERIOD TO OBTAIN THE SCOPE OF ELECTRICAL WORK INVOLVED AS A RESULT OF ARCHITECTURAL MODIFICATIONS TO THE EXISTING STRUCTURE. THE SCOPE OF WORK SHALL INCLUDE MATERIALS AND OUTLETS, CONSISTING OF FIXTURES, DEVICES, EQUIPMENT OR APPARATUS, WHICH MUST BE REROUTED, RELOCATED OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED, SO THAT THE INDICATED REMODELING MAY BE ACCOMPLISHED. NOT ALL EXISTING OUTLETS ARE NECESSARILY INDICATED ON THE DRAWINGS.
- B. WHEN OUTLETS ARE ABANDONED, WIRE MUST BE PULLED OUT OF THE CONDUIT BACK TO THE NEAREST REMAINING BOX OR CABINET. EXPOSED CONDUIT THAT HAS BEEN ABANDONED MUST BE REMOVED.
- C. RE-ESTABLISH SERVICE TO ALL OUTLETS THAT MAY BE INTERRUPTED DUE TO REMODELING WORK.
- D. PROVIDE ALL APPURTENANCES REQUIRED TO REROUTE, RELOCATE, REMOVE OR REINSTALL ALL ITEMS DESCRIBED IN THESE NOTES.
- E. VERIFY THE LOADING OF EACH CIRCUIT AFFECTED BY REMODELING WORK. THE MAXIMUM LOAD OF ANY BRANCH CIRCUIT MUST NOT EXCEED 80% OF ITS BREAKER RATING.
- F. ALL ELECTRICAL OUTLET COVER PLATES SHALL BE LABELED WITH PANEL AND CIRCUIT NUMBER.
- G. TYPICAL VOICE/DATA OUTLET. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE GANG WALL BOX WITH 1" EMPTY CONDUIT WITH PULLSTRING FROM WALL BOX TO ABOVE CEILING. VOICE/DATA CABLING, FACEPLATE AND INSERTS PROVIDED AND INSTALLED BY OTHERS. TYPICAL UNLESS NOTED OTHERWISE.
- H. ELECTRICAL CONTRACTOR SHALL GROUP HOMERUNS WITH THREE HOTS (A,B AND C PHASE), #10 NEUTRAL TO PROVIDE MULTI-WIRE BRANCH CIRCUITS. NO MORE THAN 2 MULTI-WIRE HOMERUNS PER CONDUIT. CONTRACTOR SHALL PROVIDE HANDLE TIES MANUFACTURED BY THE SWITCHGEAR SUPPLIER ON ALL MULTI-WIRE CIRCUITS. AT THE CONTRACTOR'S OPTION, TWO AND THREE POLE BREAKERS MAY BE USED.
- I. REFER TO ARCHITECTURAL INTERIOR CASEWORK AND MILLWORK ELEVATIONS FOR EXACT LOCATIONS OF ALL DEVICES. COORDINATE ALL DEVICE LOCATIONS WITH OWNER/ARCHITECT AND EQUIPMENT REQUIREMENTS PRIOR TO ROUGH-IN.
- J. ALL RECEPTACLES MOUNTED ABOVE COUNTERS AND WITHIN 6FT OF SINKS AND/OR LAVATORIES SHALL BE EQUIPPED WITH GFCI PROTECTION.

ELECTRICAL KEYED NOTES:

- 1 JUNCTION BOX CONNECTION TO FUME HOOD'S RECEPTACLES WITH (2) 20A, 120V CIRCUITS, FIELD COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER AND ADDITIONAL EQUIPMENT'S REQUIREMENTS PRIOR TO ROUGH-IN.
- 2 120V JUNCTION BOX CONNECTION TO FUME HOOD'S LIGHT CIRCUIT, FIELD COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER AND ADDITIONAL EQUIPMENT REQUIREMENTS PRIOR TO ROUGH-IN.
- 3 20A @25V DUPLEX RECEPTACLE PROVIDED WITH FUME HOOD, EACH RECEPTACLE SHALL BE SERVED BY A DEDICATED CIRCUIT.
- 4 HVAC EQUIPMENT COMBINATION STARTER/DISCONNECT PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.
- 5 POWER AND DATA OUTLETS FOR CEILING MOUNTED PROJECTOR. FIELD COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER AND ADDITIONAL EQUIPMENT REQUIREMENTS PRIOR TO ROUGH-IN.
- 6 120V JUNCTION BOX CONNECTION TO MOTORIZED PROJECTION SCREEN, FIELD COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER AND ADDITIONAL EQUIPMENT REQUIREMENTS PRIOR TO ROUGH-IN.
- 7 PROVIDE SPOT MOMENTARY CONTACT SWITCH FOR UP/DOWN CONTROL TO MOTORIZED PROJECTION SCREEN, FIELD COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER AND ADDITIONAL EQUIPMENT REQUIREMENTS PRIOR TO ROUGH-IN, ROUTE (1) 3/4" CONDUIT TO SCREEN JUNCTION BOX, WIRING TO BE FIELD COORDINATED WITH MANUFACTURER'S REQUIREMENTS.
- 8 120V JUNCTION BOX CONNECTION TO SOLENOID VALVE BOX, FIELD COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR AND ADDITIONAL EQUIPMENT REQUIREMENTS PRIOR TO ROUGH-IN.
- 9 120V JUNCTION BOX CONNECTION TO EMERGENCY SHOWER/EYEWASH, FIELD COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR AND ADDITIONAL EQUIPMENT REQUIREMENTS PRIOR TO ROUGH-IN.
- 10 PROVIDE BACK-BOX FOR EMERGENCY SHUT-OFF BUTTON FOR SOLENOID VALVE BOX, FIELD COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR AND ADDITIONAL EQUIPMENT REQUIREMENTS. ROUTE (1) 3/4" CONDUIT WITH TO SOLENOID VALVE BOX. COORDINATE WIRING REQUIREMENTS WITH PLUMBING CONTRACTOR.
- 11 PROVIDE FLEXIBLE CONNECTION TO TOMBSTONE OUTLETS PROVIDED WITH LAB FURNITURE, FIELD COORDINATE EXACT LOCATION WITH INSTALLER (TYPICAL).
- 12 POWER CONDUIT AND DATA CABLING SHALL BE ROUTED FROM ACCESSIBLE CEILING INSIDE SERVICE DROP DOWN TO LAB FURNITURE, FIELD COORDINATE ROUGH-IN WITH OTHER DISCIPLINES SUCH AS PLUMBING AND MECHANICAL.
- 13 ROUTE WIRING TO NEAREST ACCESSIBLE WALL TO ABOVE ACCESSIBLE CEILING FOR TOMBSTONE OUTLETS.
- 14 COMMUNICATIONS OUTLET FOR WALL MOUNTED TELEPHONE, REFER TO DETAIL #17/E-301 FOR ADDITIONAL INFORMATION.
- 15 PROVIDE A 20A @120V GFCI RECEPTACLE AND DATA OUTLET ON TEACHER'S STATION, FIELD COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.

ISSUE LOG		
NO.	DATE	DESCRIPTION
1	5-13-2013	ADDENDUM 1
2	5-23-2013	ADDENDUM 4

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PROJECT NAME:
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 3RD LEVEL RENOVATION
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 6815 RUSTIC AVE.,
 HOUSTON, TX 77087


KEY MAP:

REVIEWED:
 PROJECT MANAGER _____ SPONSORING DEPARTMENT _____
 PROJECT MANAGER _____

CONSULTANT(S):

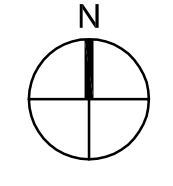
DATE: MAY 13, 2013
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 SCALE: NOTED ON PLAN
 DRAWN BY: ---
 CHECKED BY: ---

SHEET TITLE:
ENLARGED LAB POWER PLAN

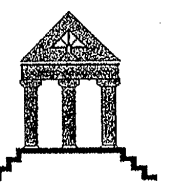
SHEET NO.: **E-231**

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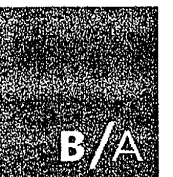


DBR Project Number	12253.000		
CS	JV	RC	DL



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HCC SE WORKFORCE BUILDING

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ISSUE:	DATE:	DESCRIPTION:
02.18.2009	DESIGN DEVELOPMENT	
05.06.2009	50% CD	
08.26.2009	95% CD	
10.23.2009	REVISIONS	
01.26.2010	PERMIT RESUBMITTAL	
05.05.2010	PERMIT RESUBMITTAL	
06.18.2010	ISSUE FOR BID	

B/A Project No.: 07143
Drawn By:
Checked By:
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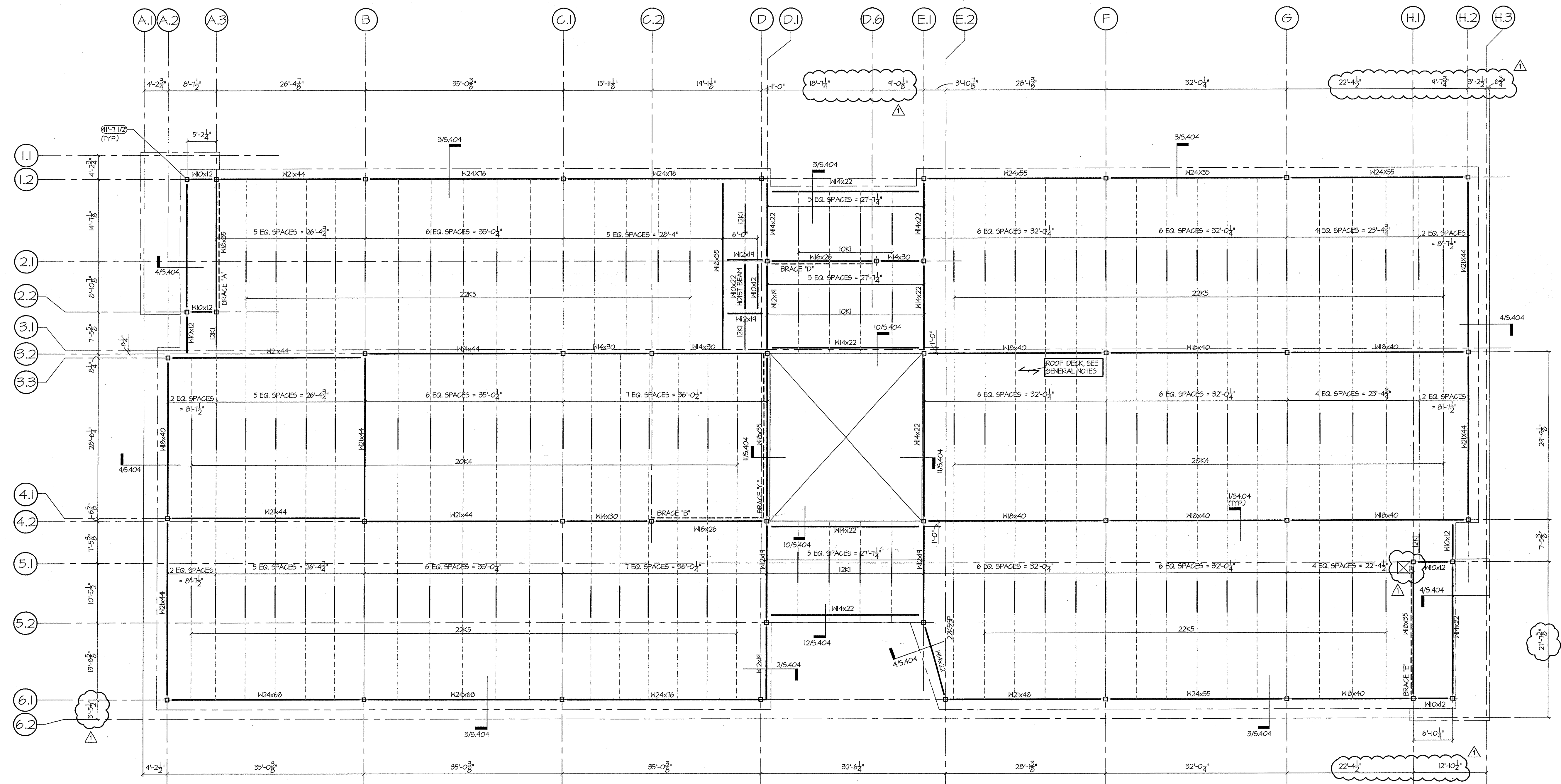
ROOF FRAMING PLAN

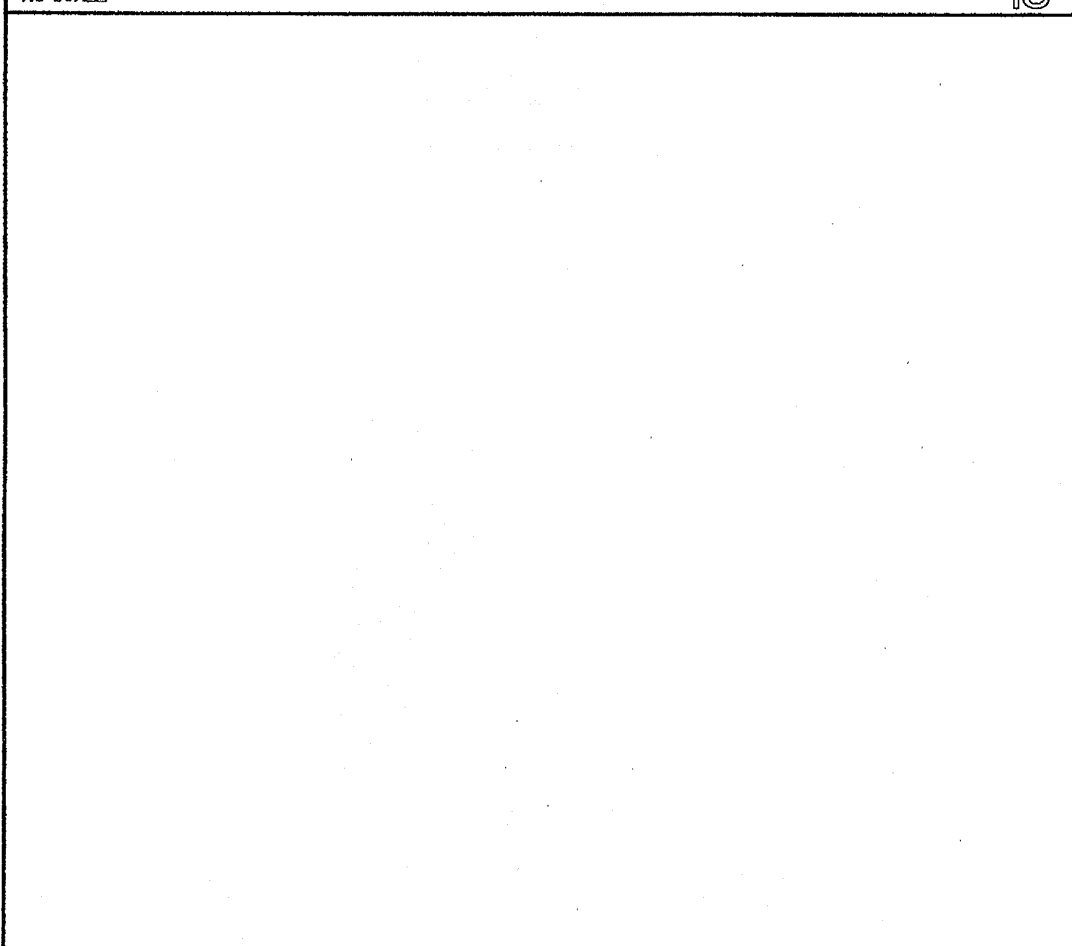
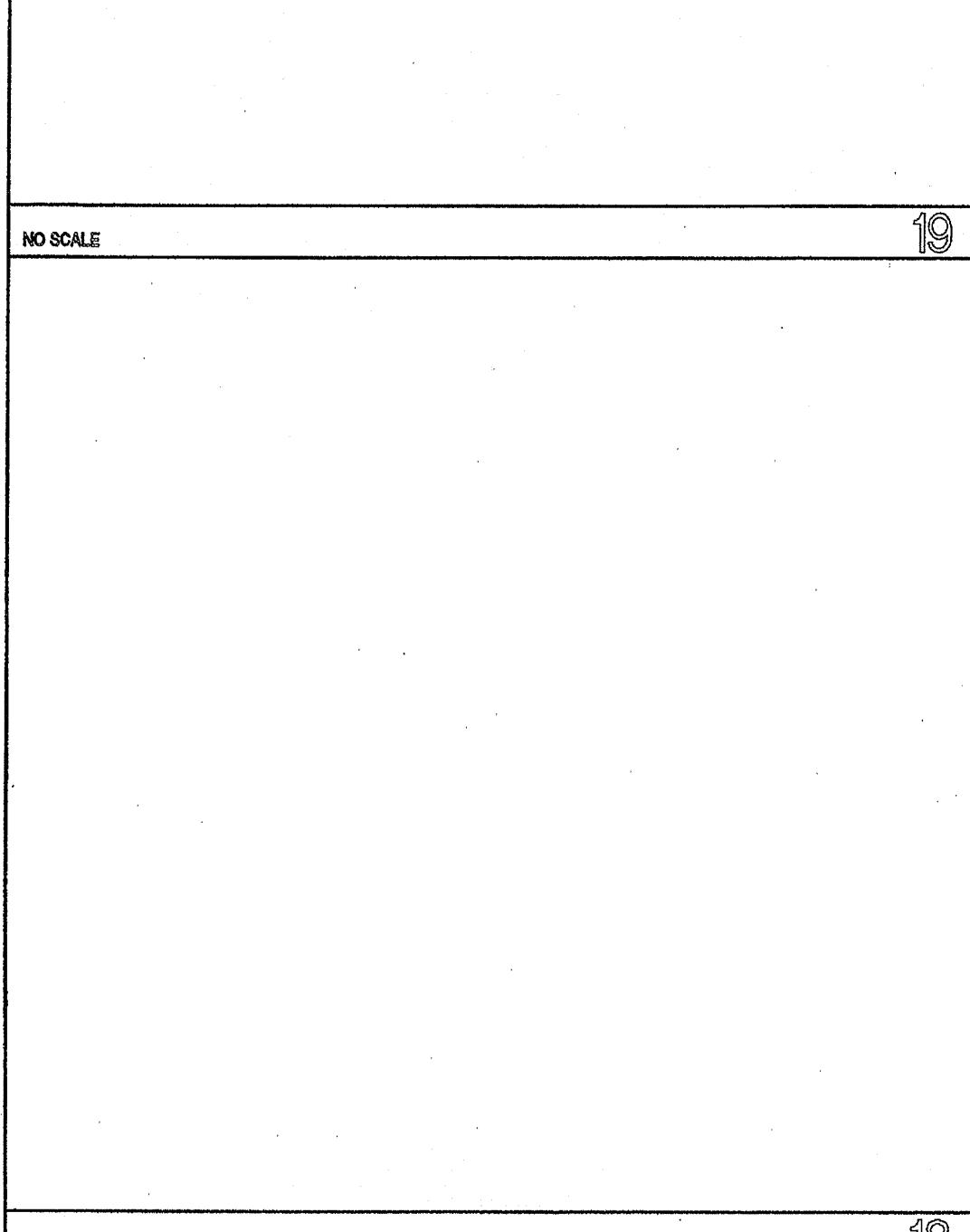
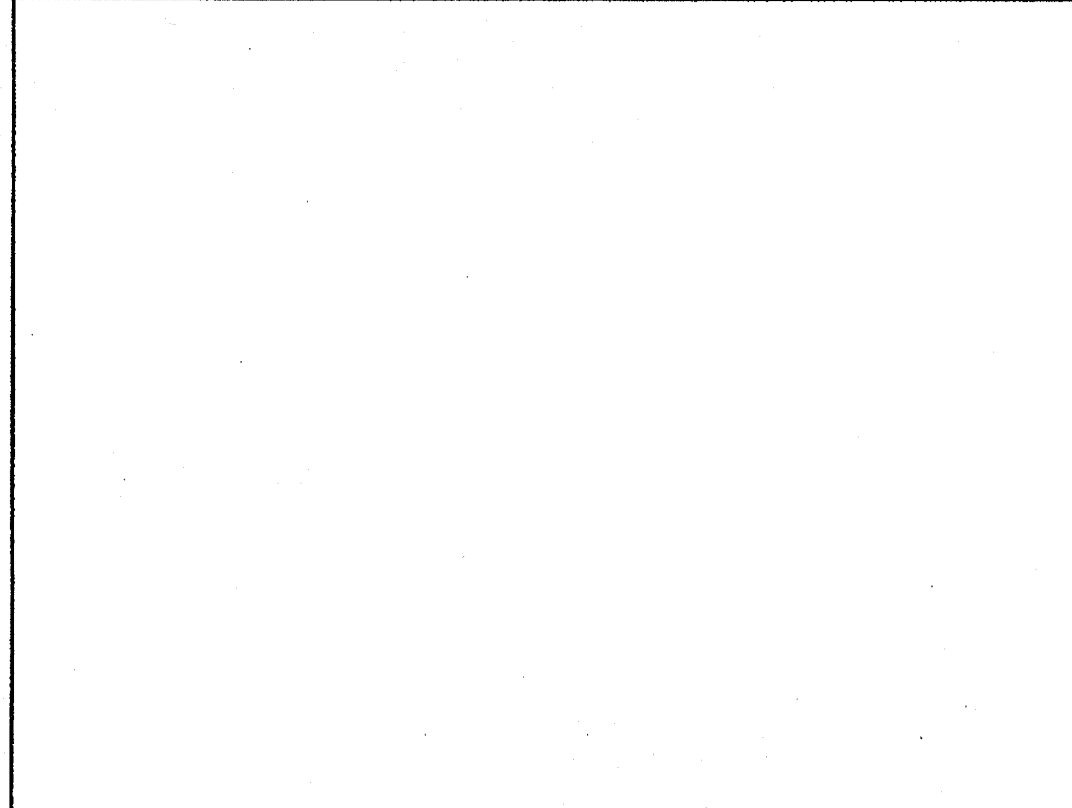
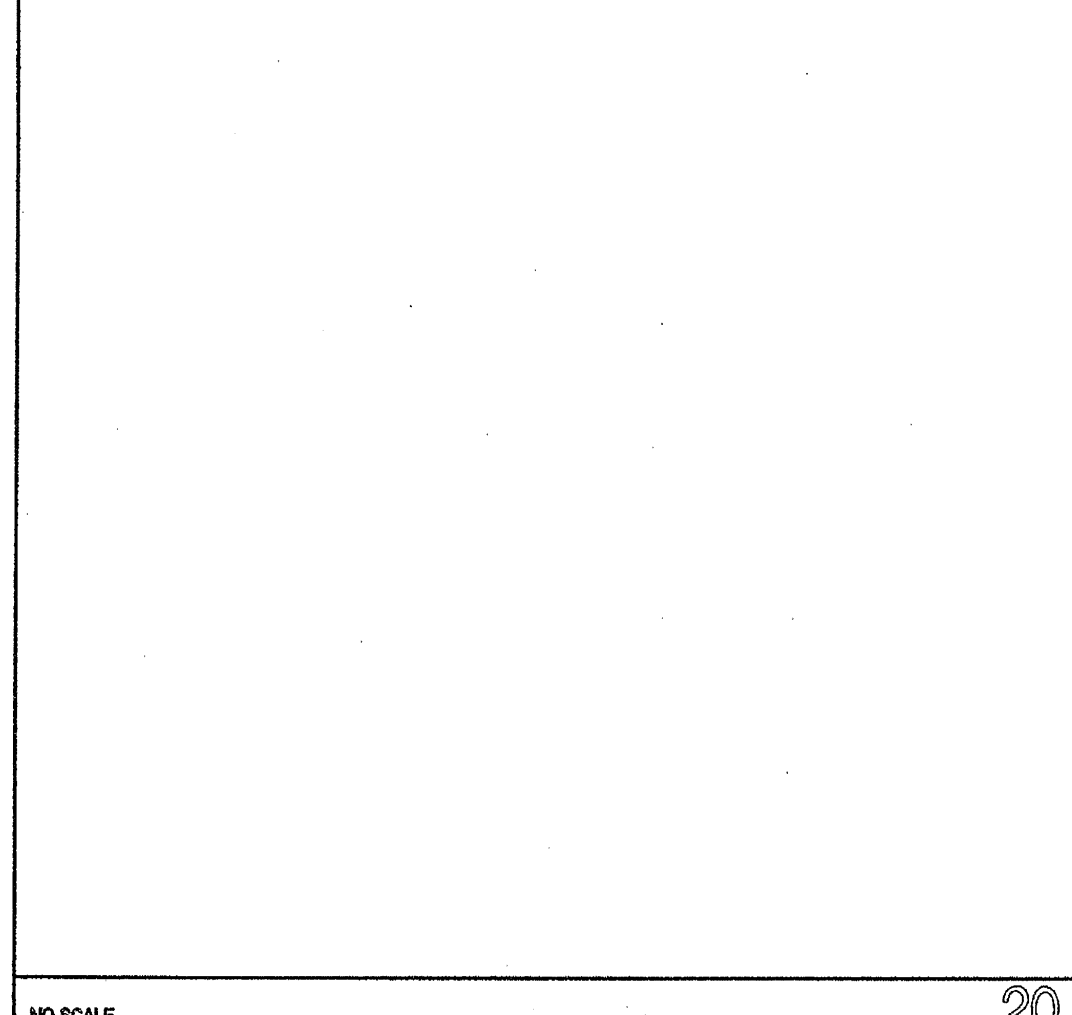
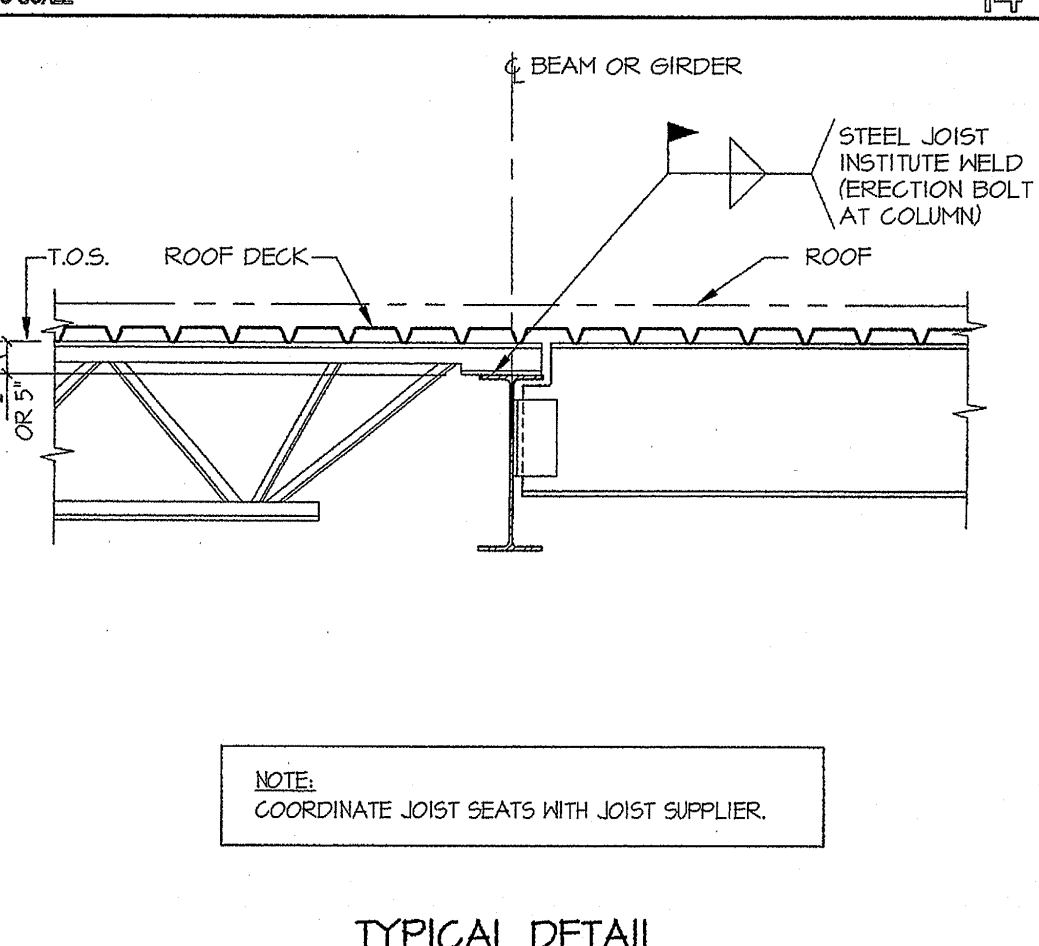
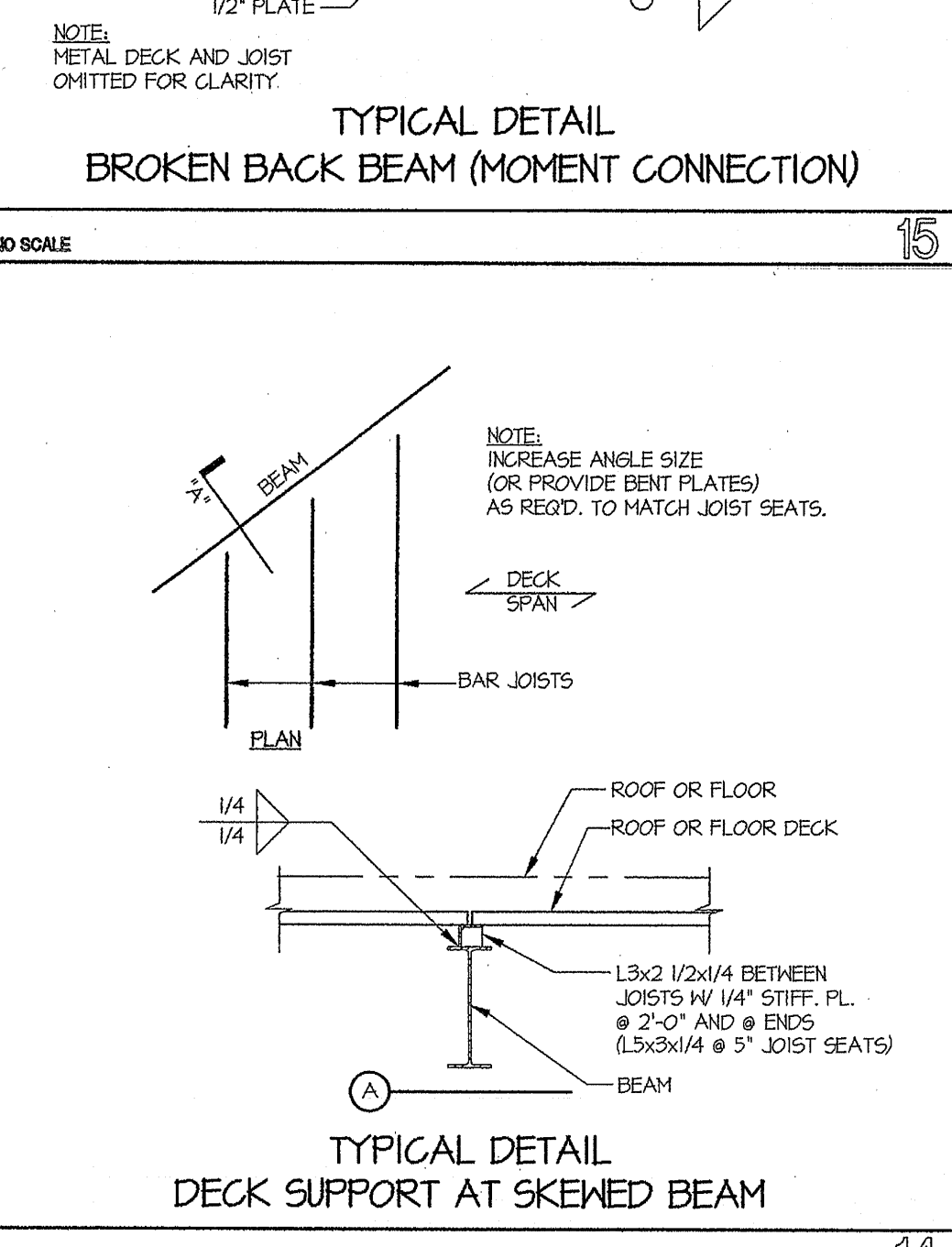
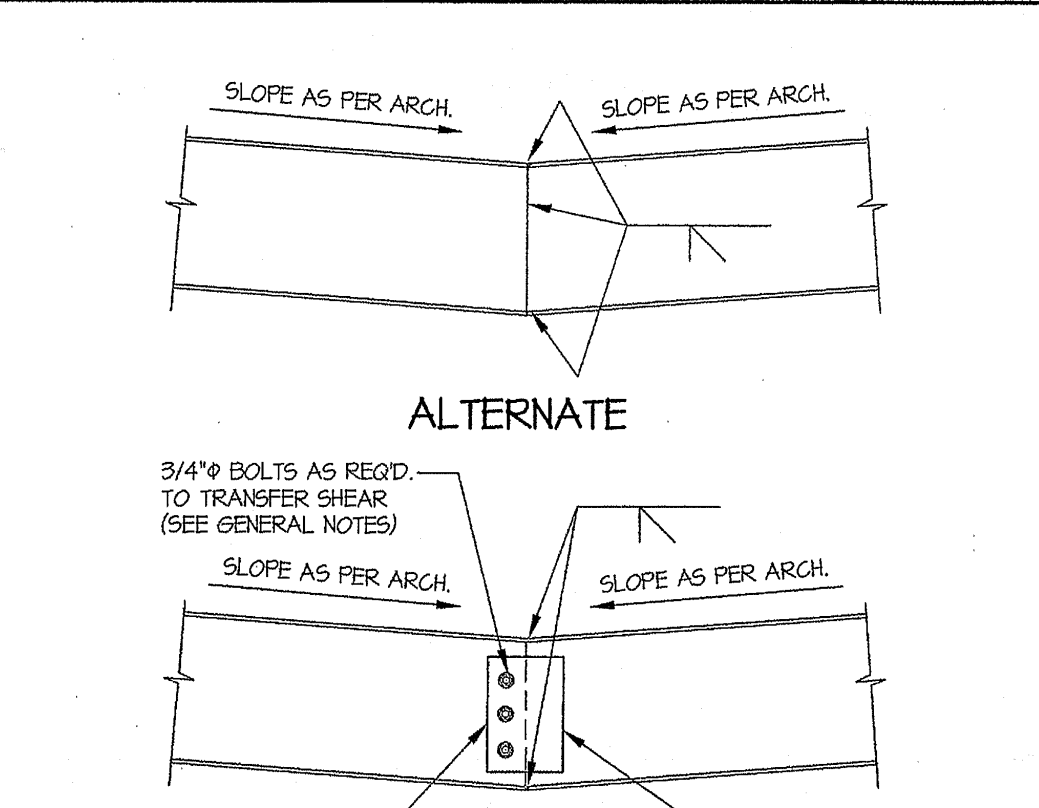
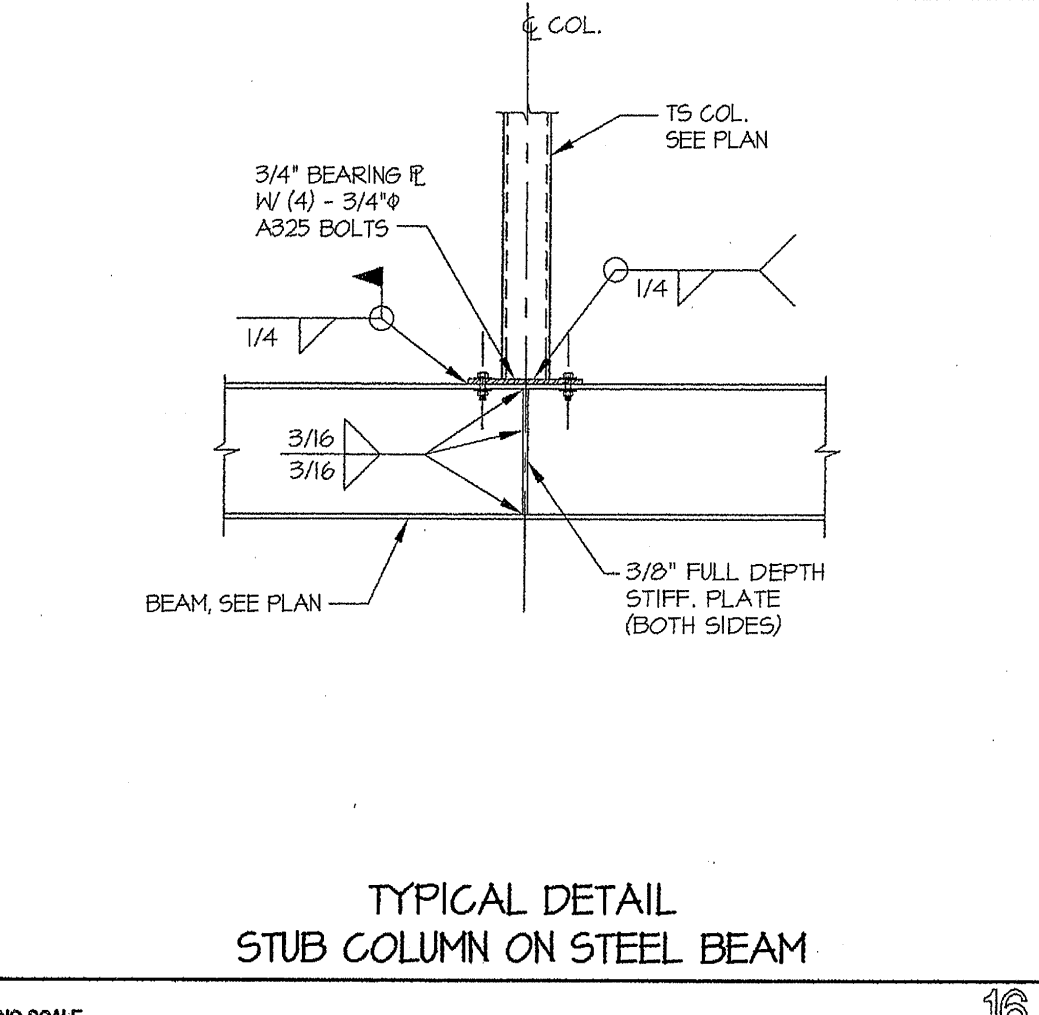
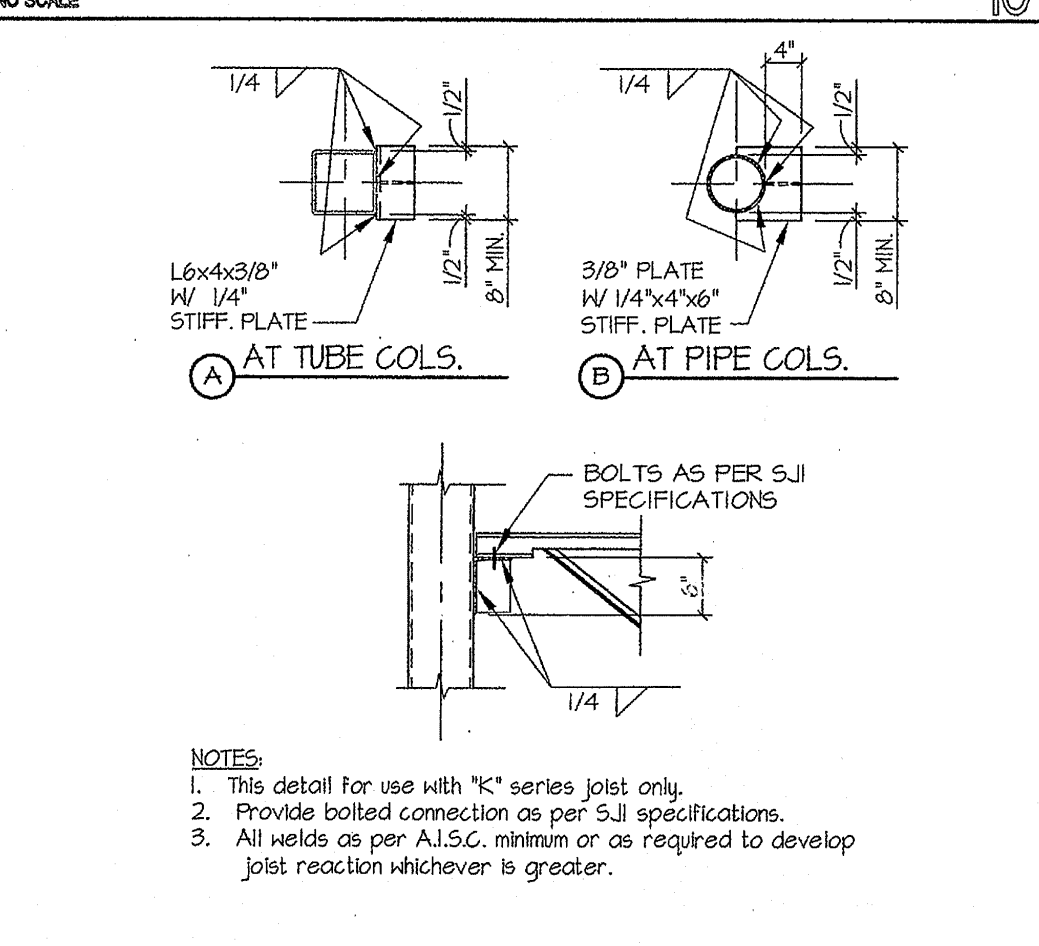
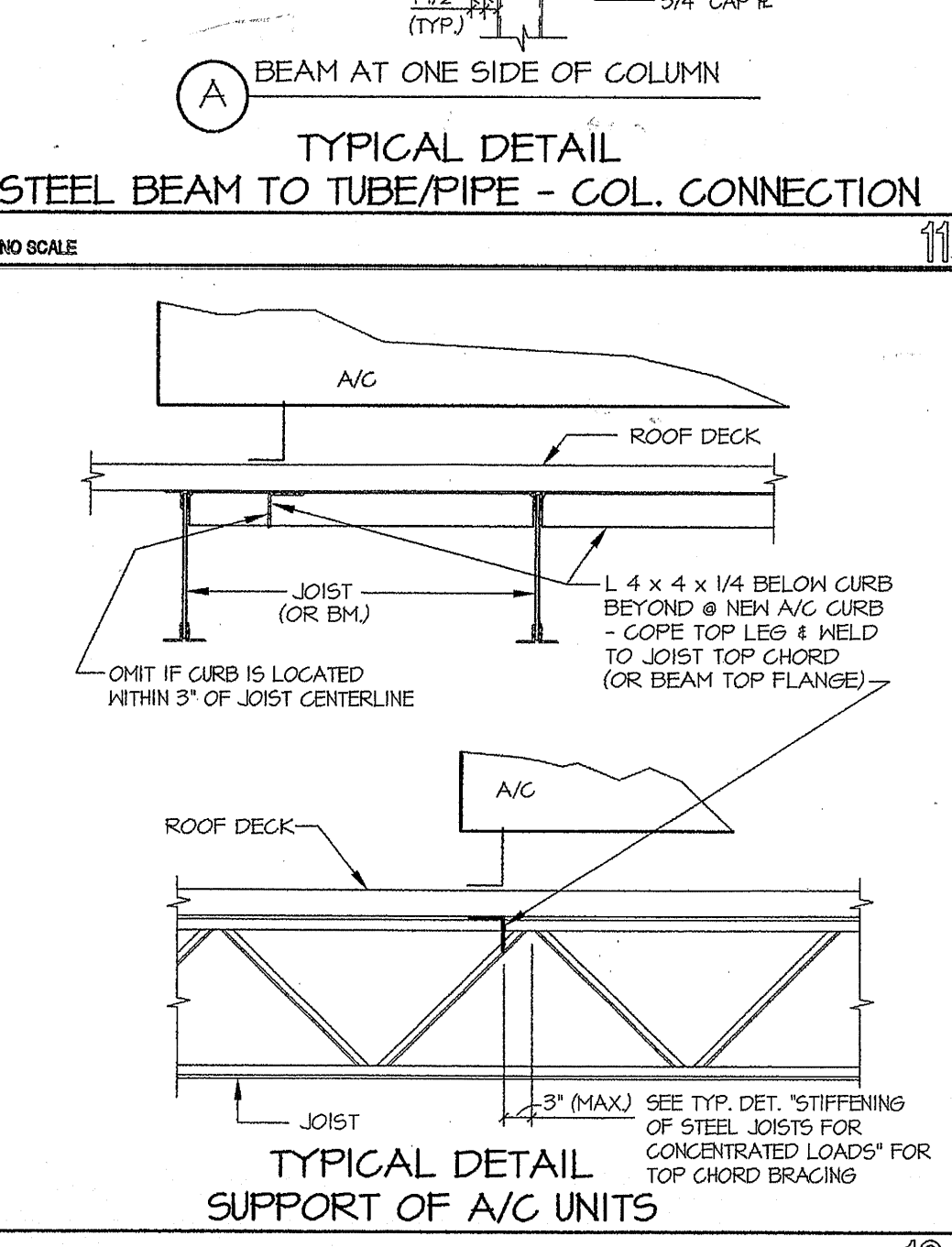
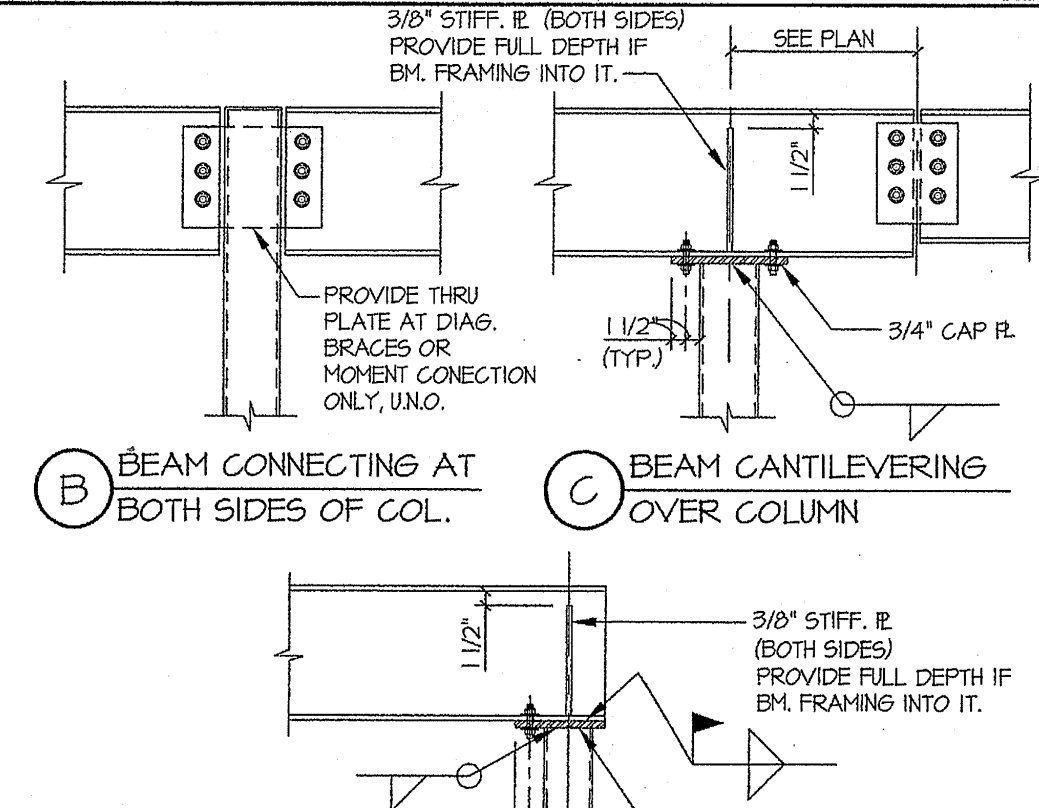
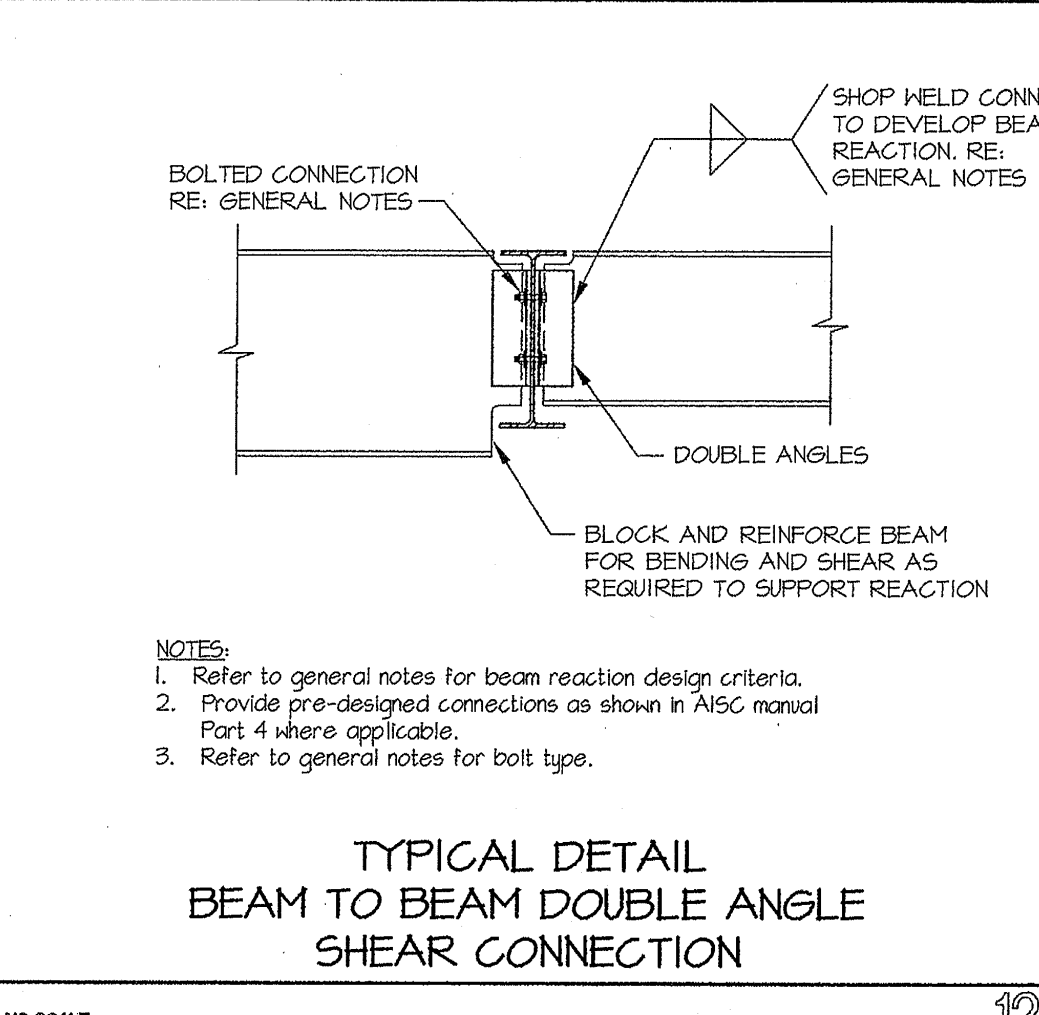
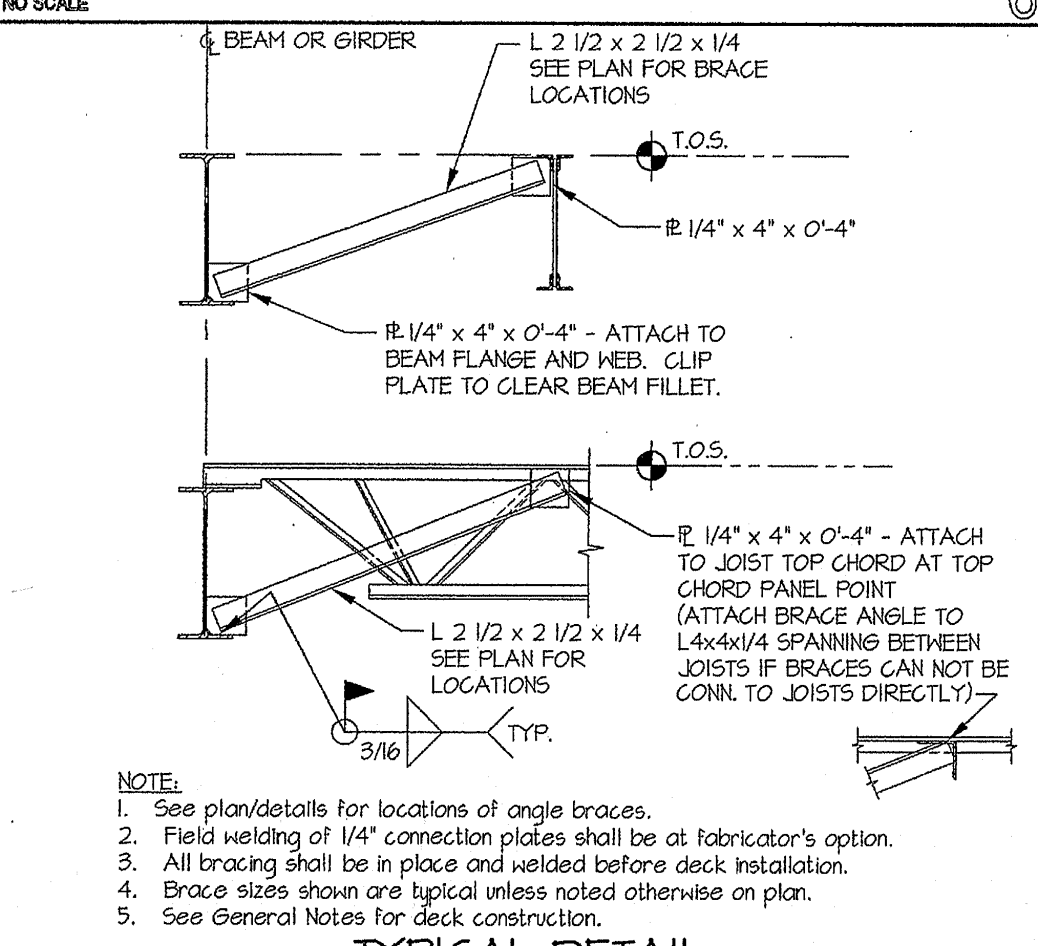
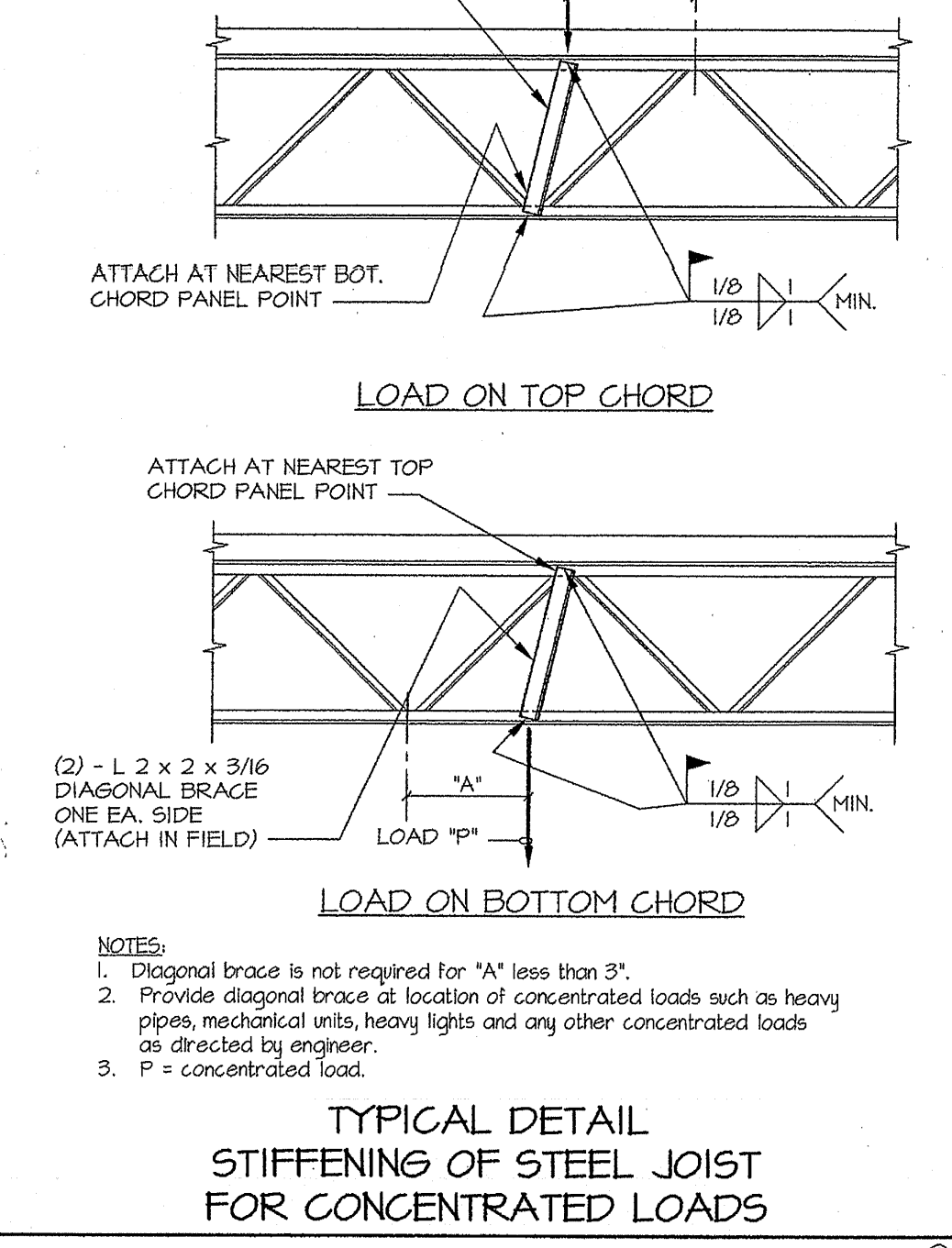
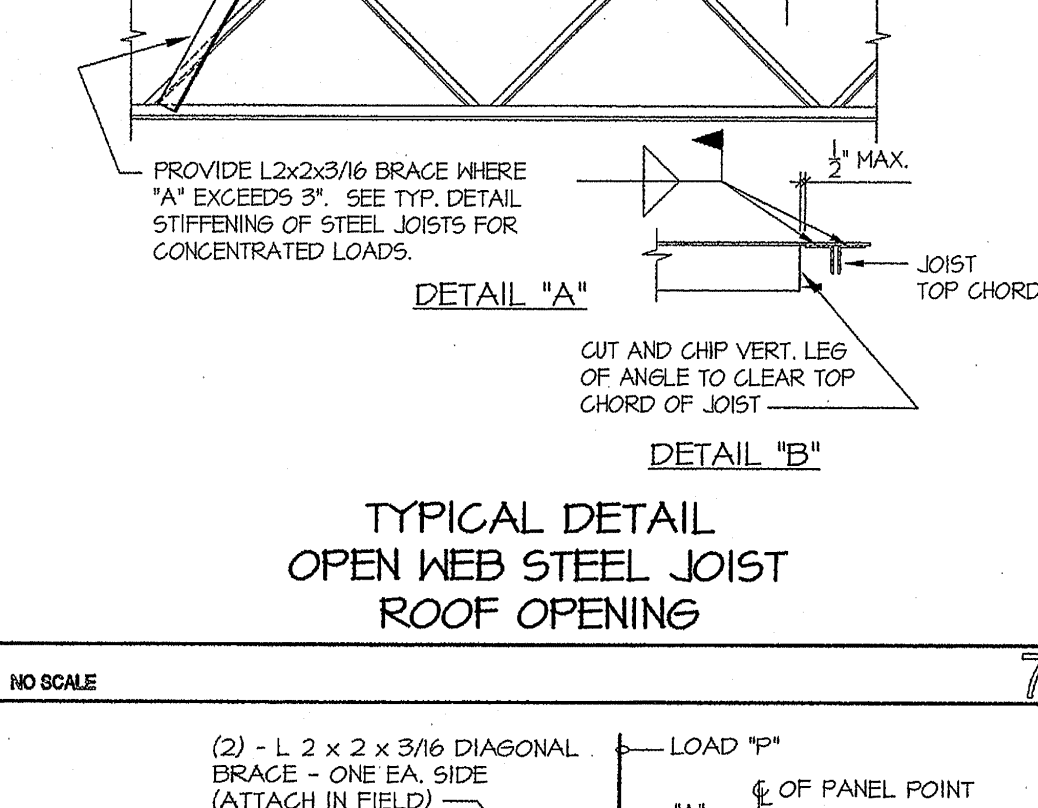
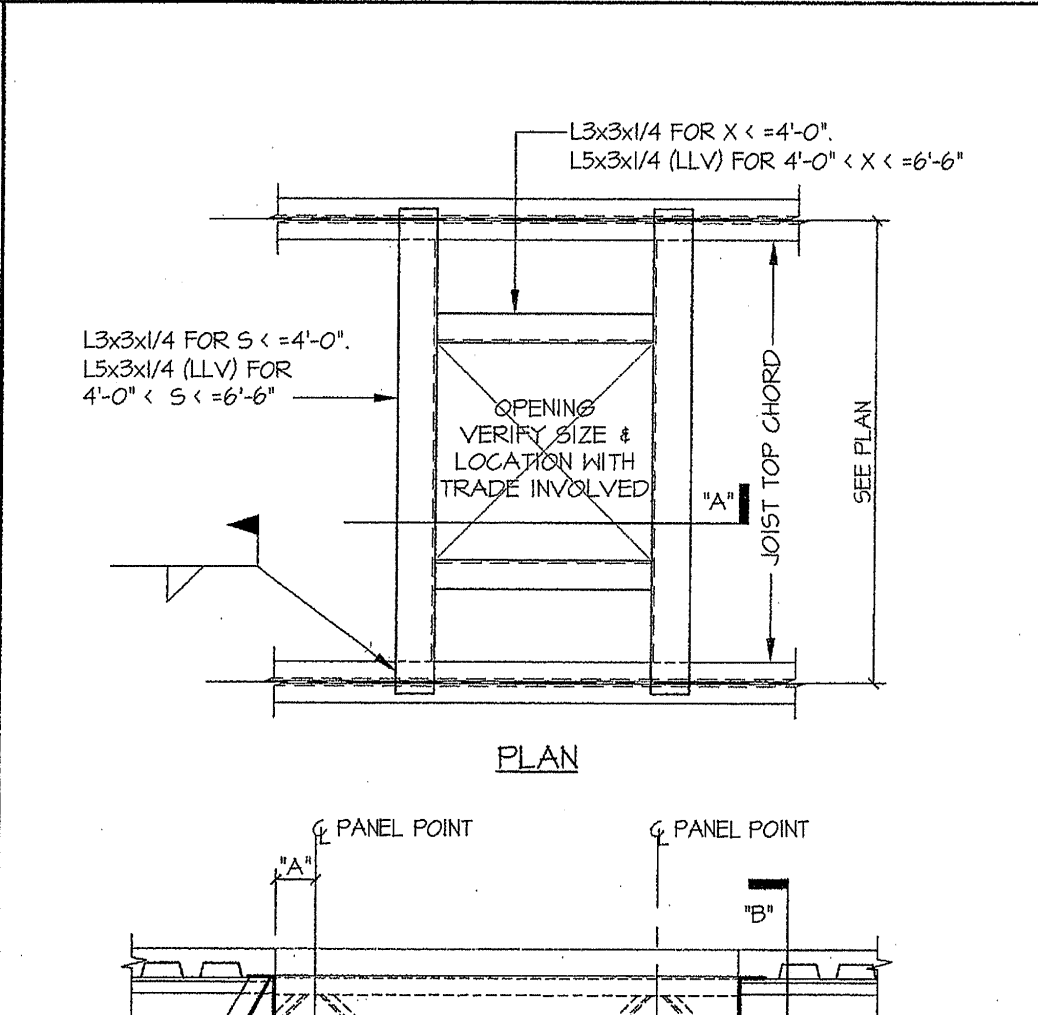
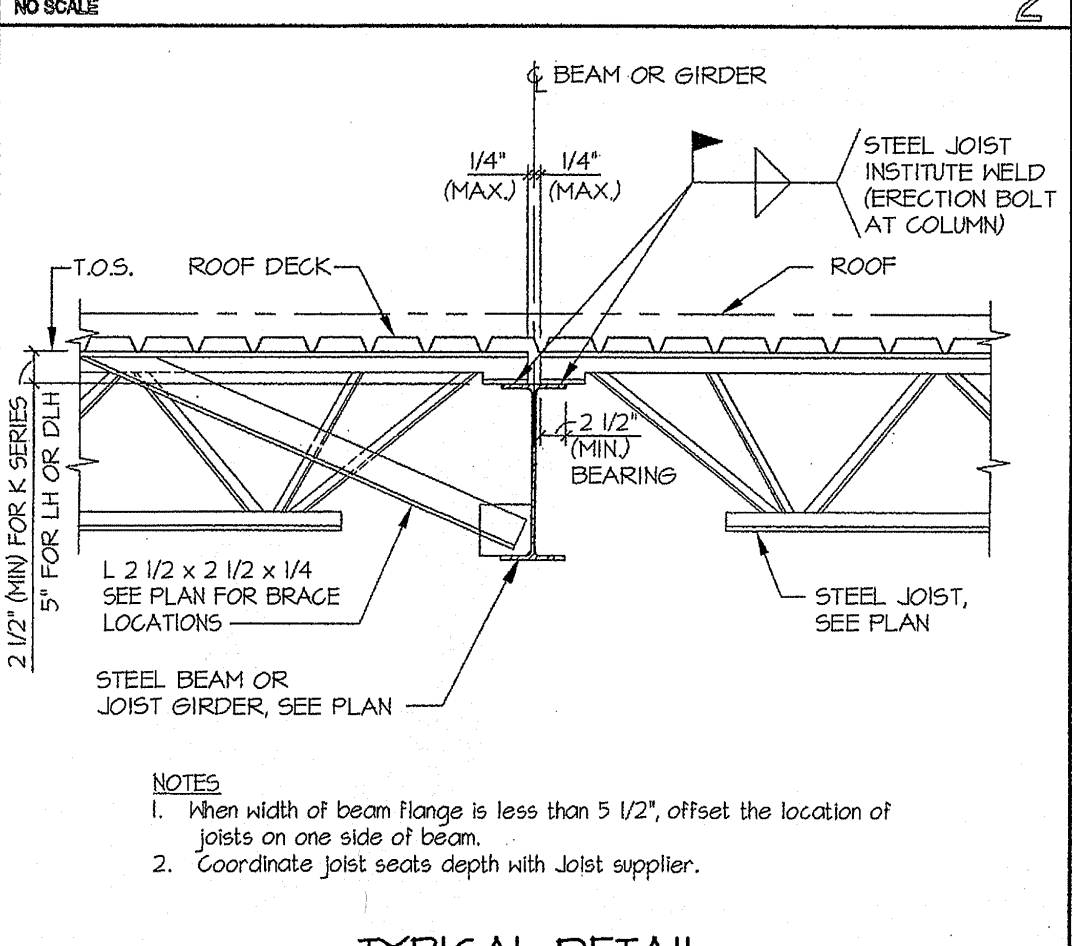
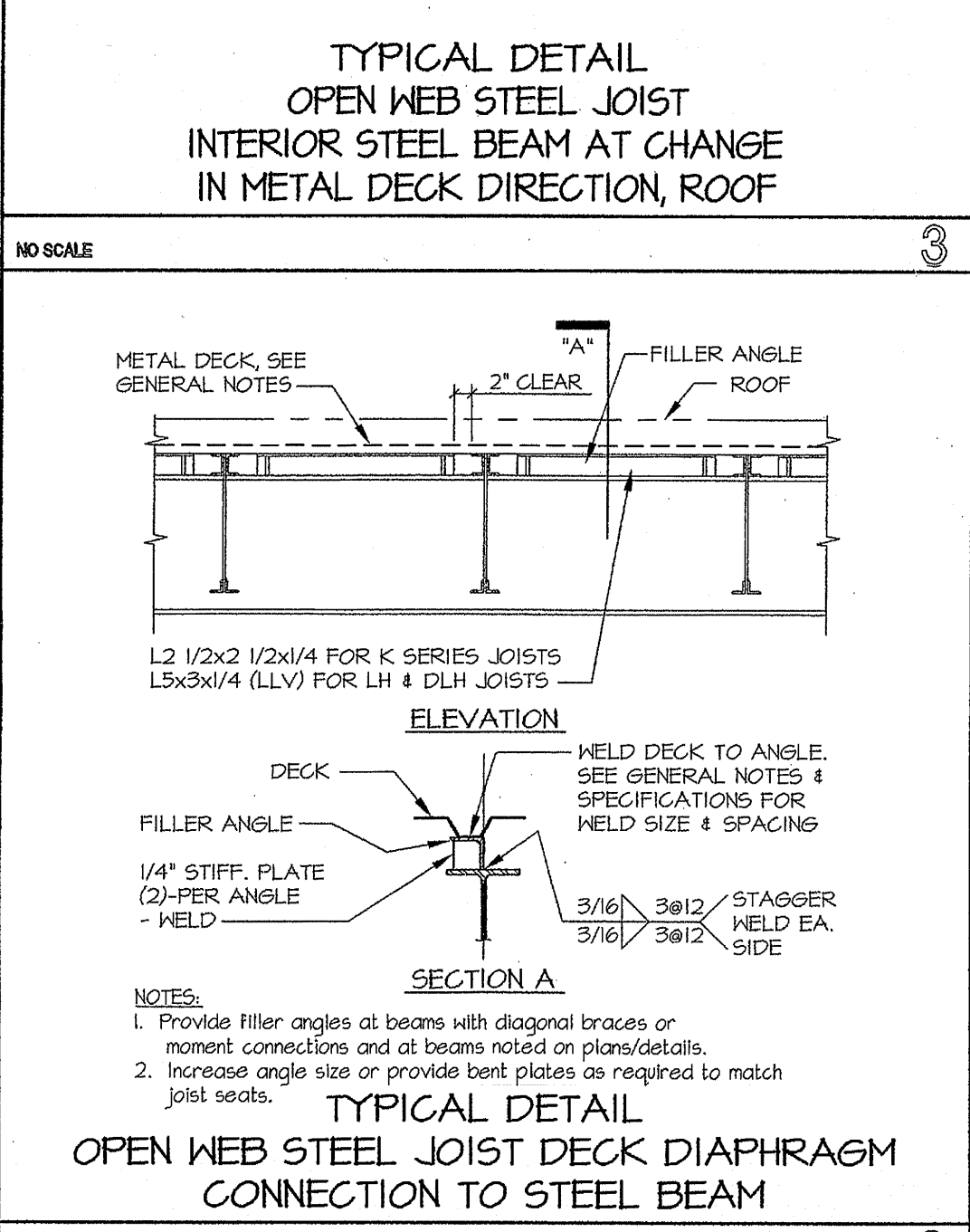
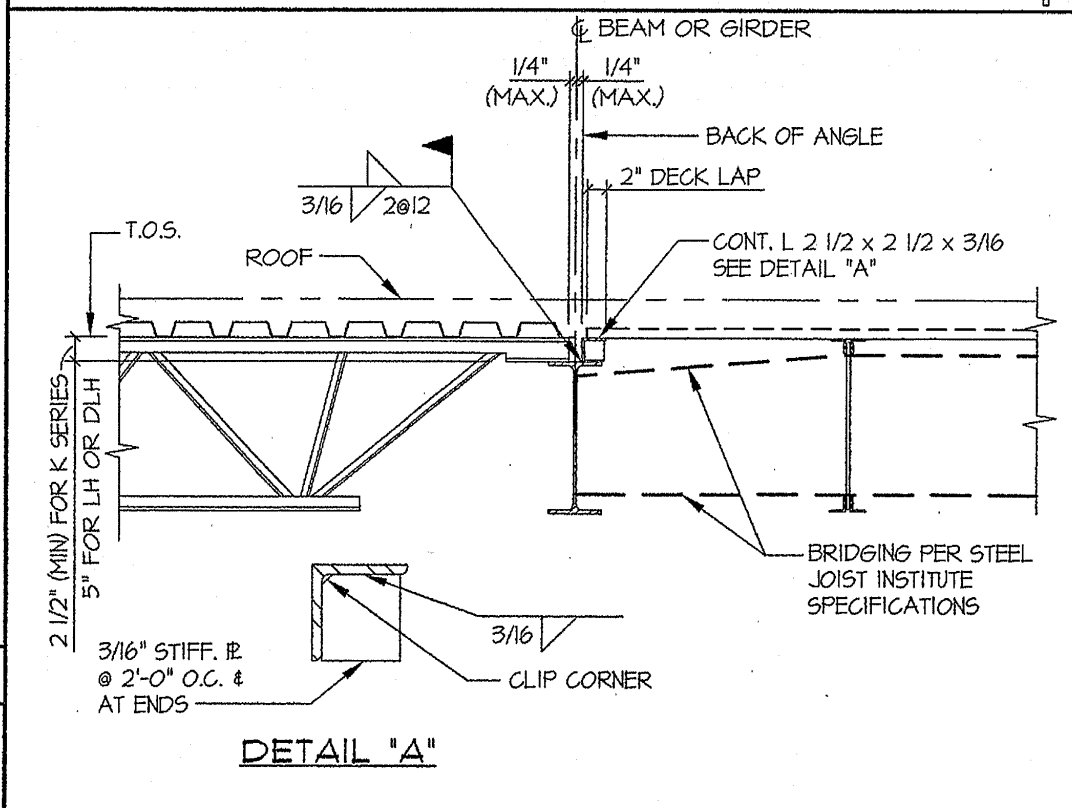
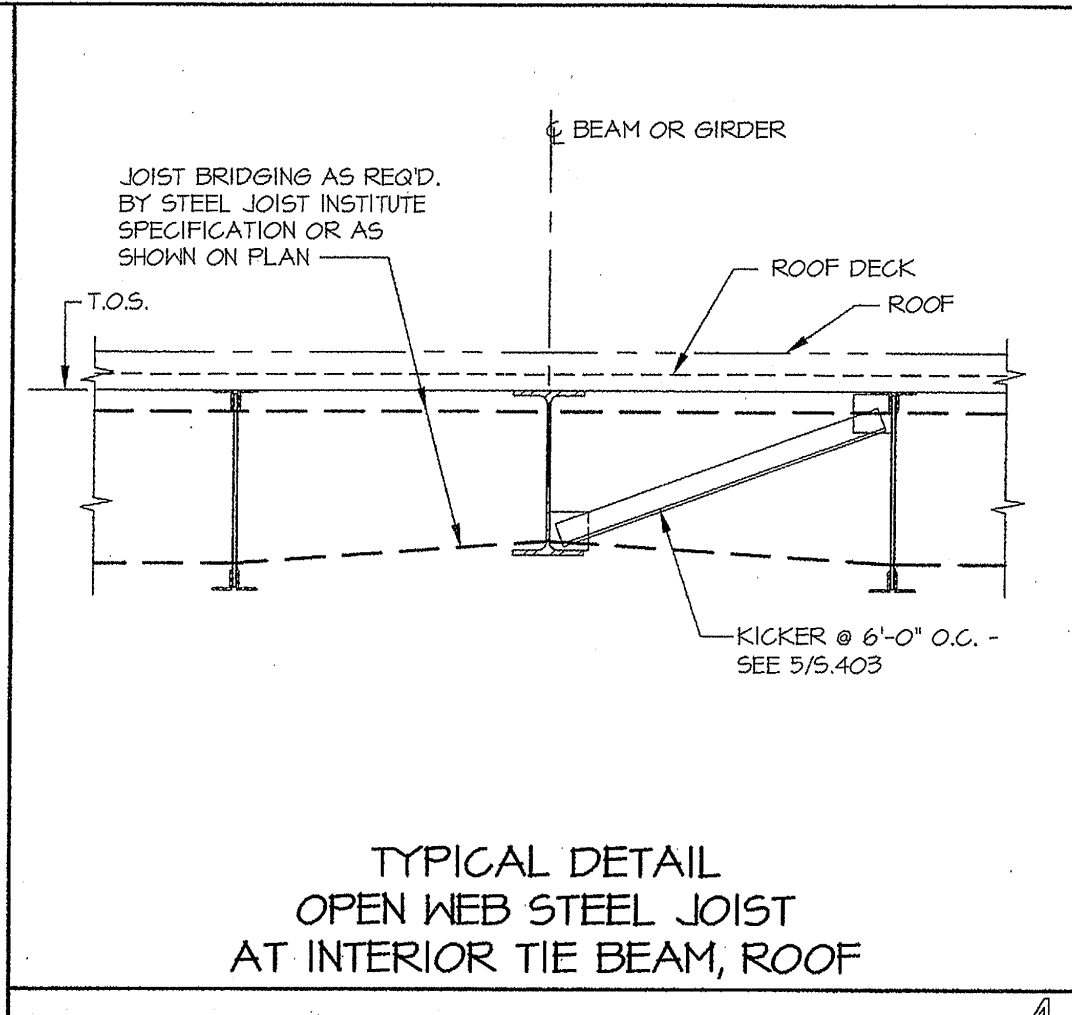
Scale: 1/8" = 1'-0"



S.204

MSE-08083





AS BUILTS ISSUED FOR ROOF INFORMATION ONLY

Matrix Structural Engineers
 TBE Firm Registration No. F-2840



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 5555 San Felipe, Suite 1000
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 24 Greenway Plaza, Suite 1508
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HCC SE WORKFORCE BUILDING

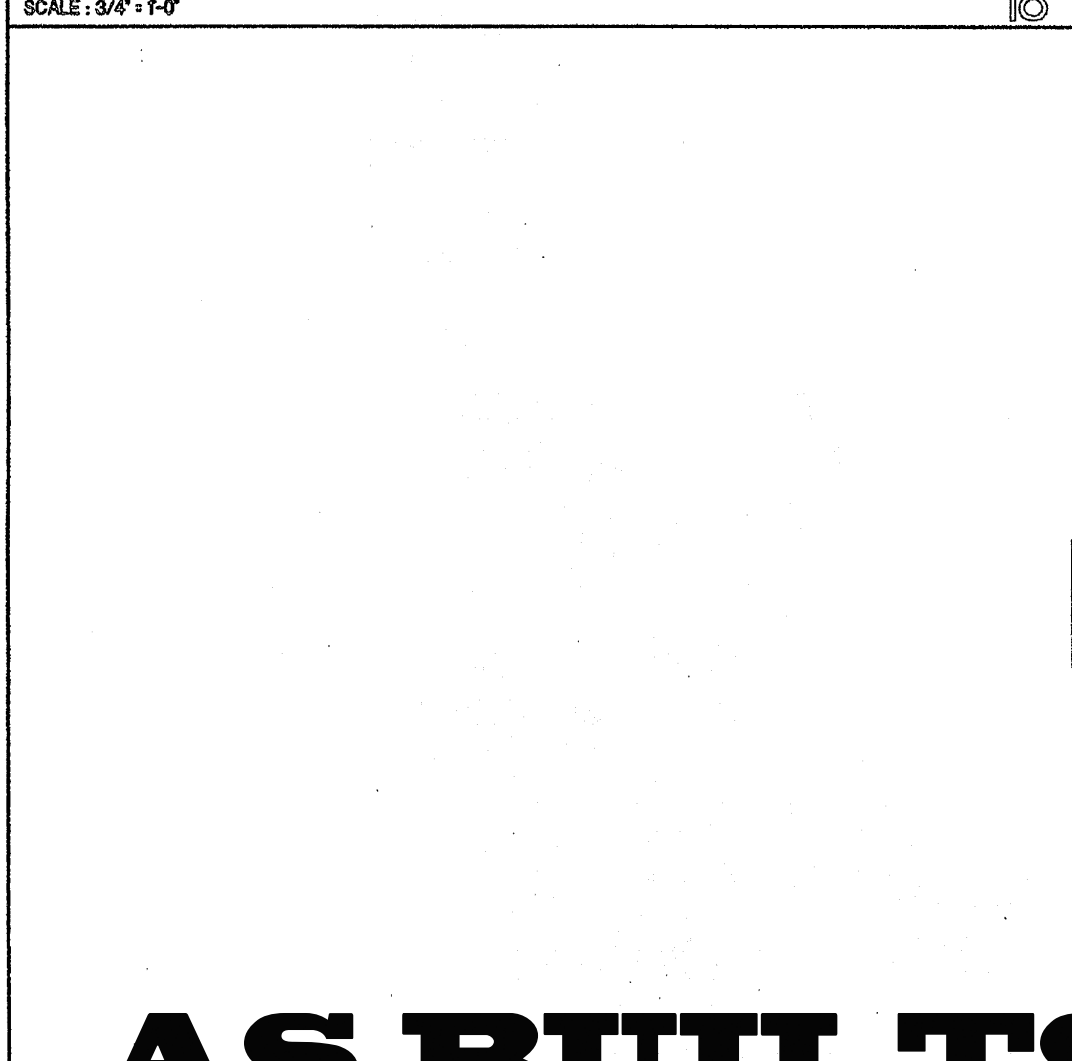
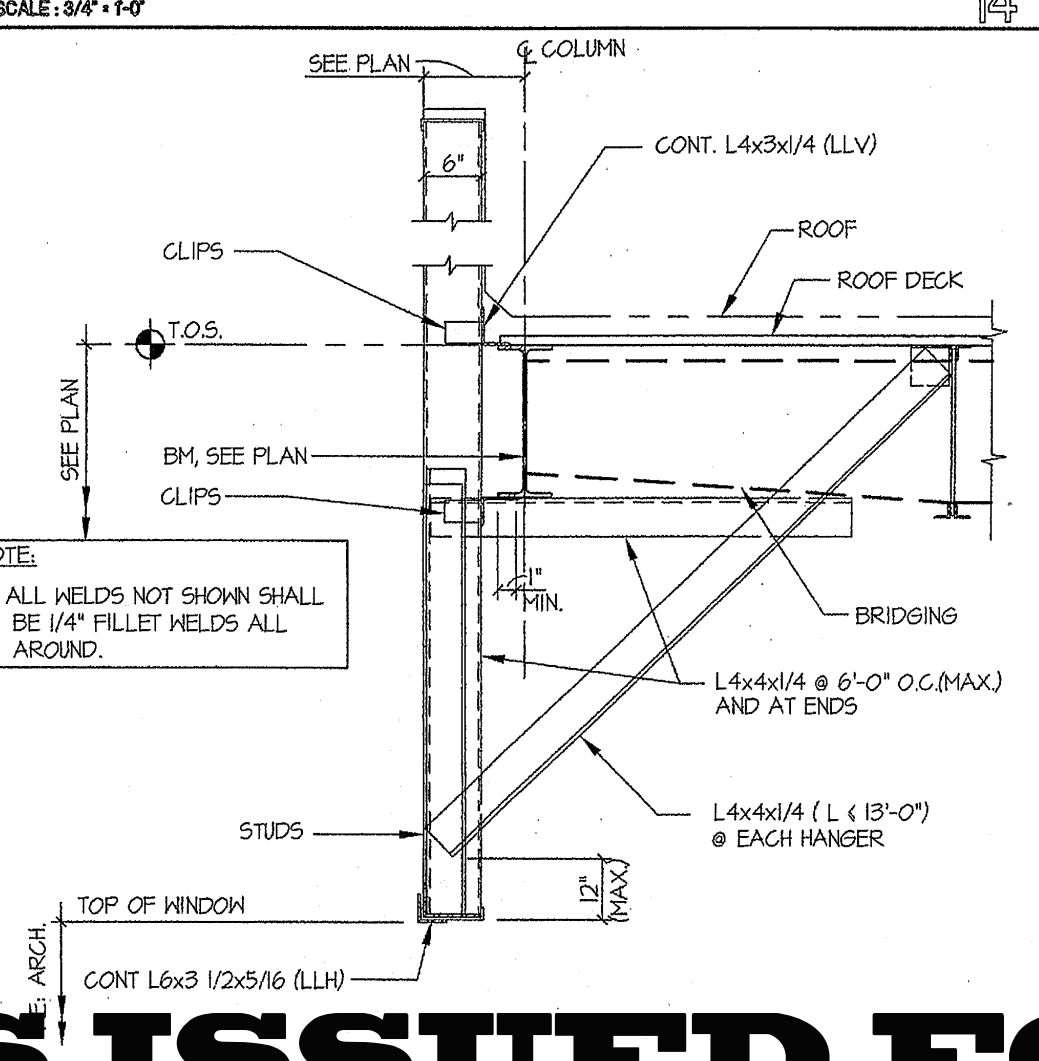
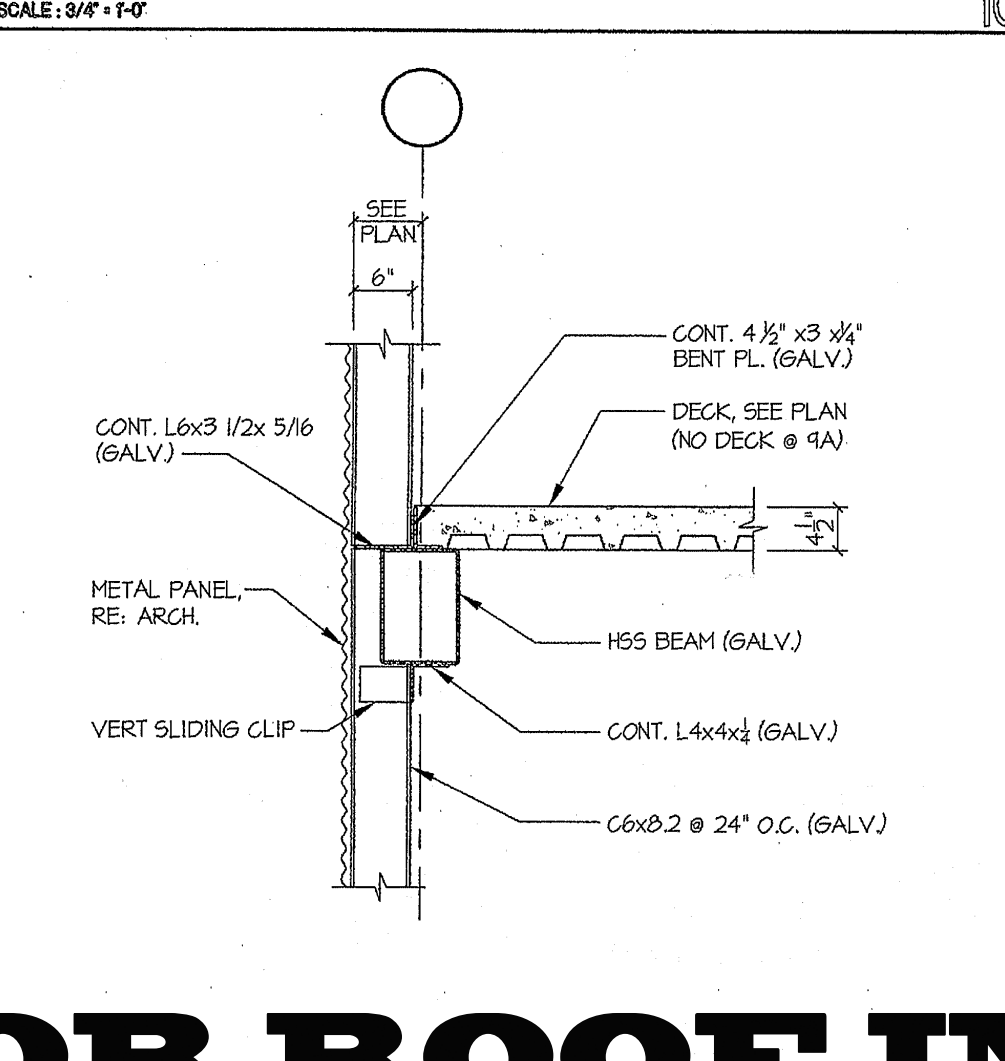
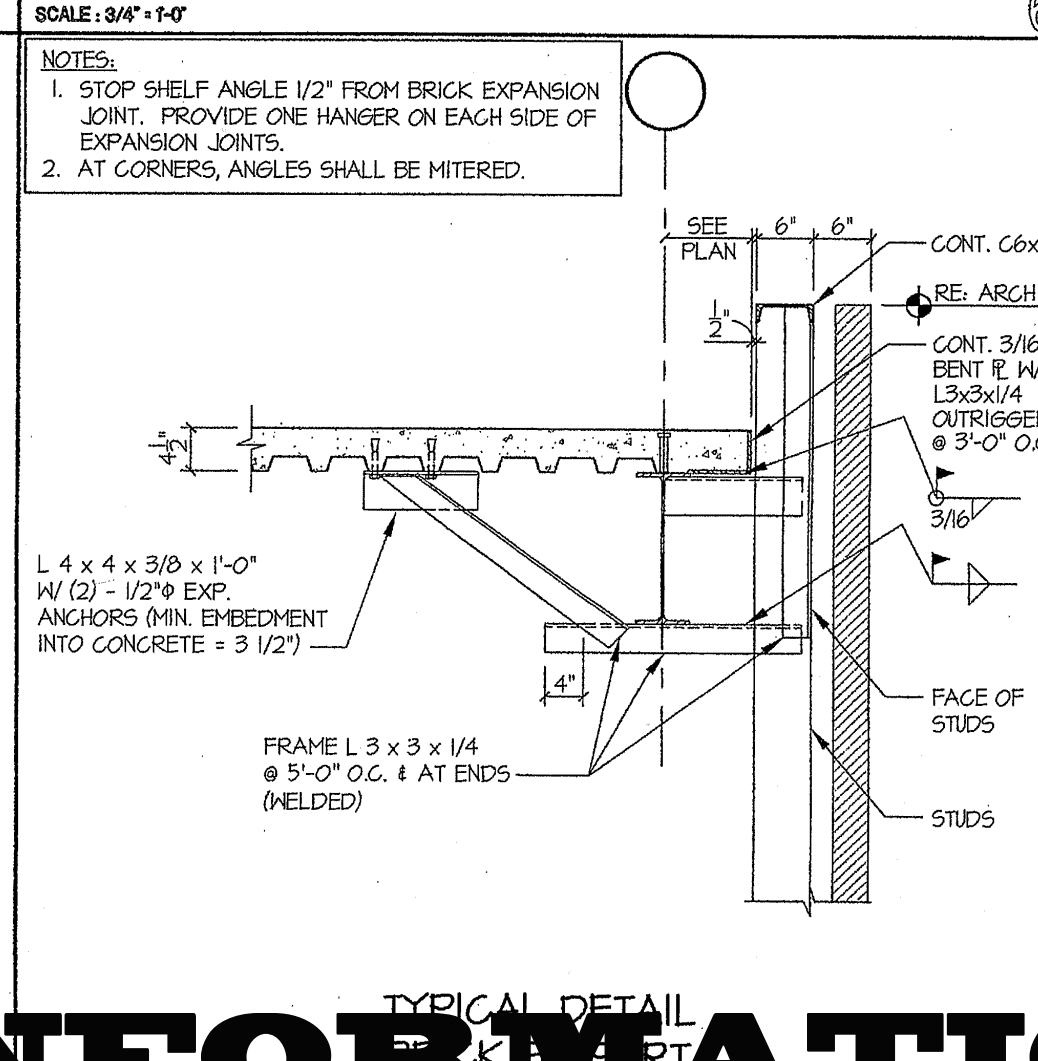
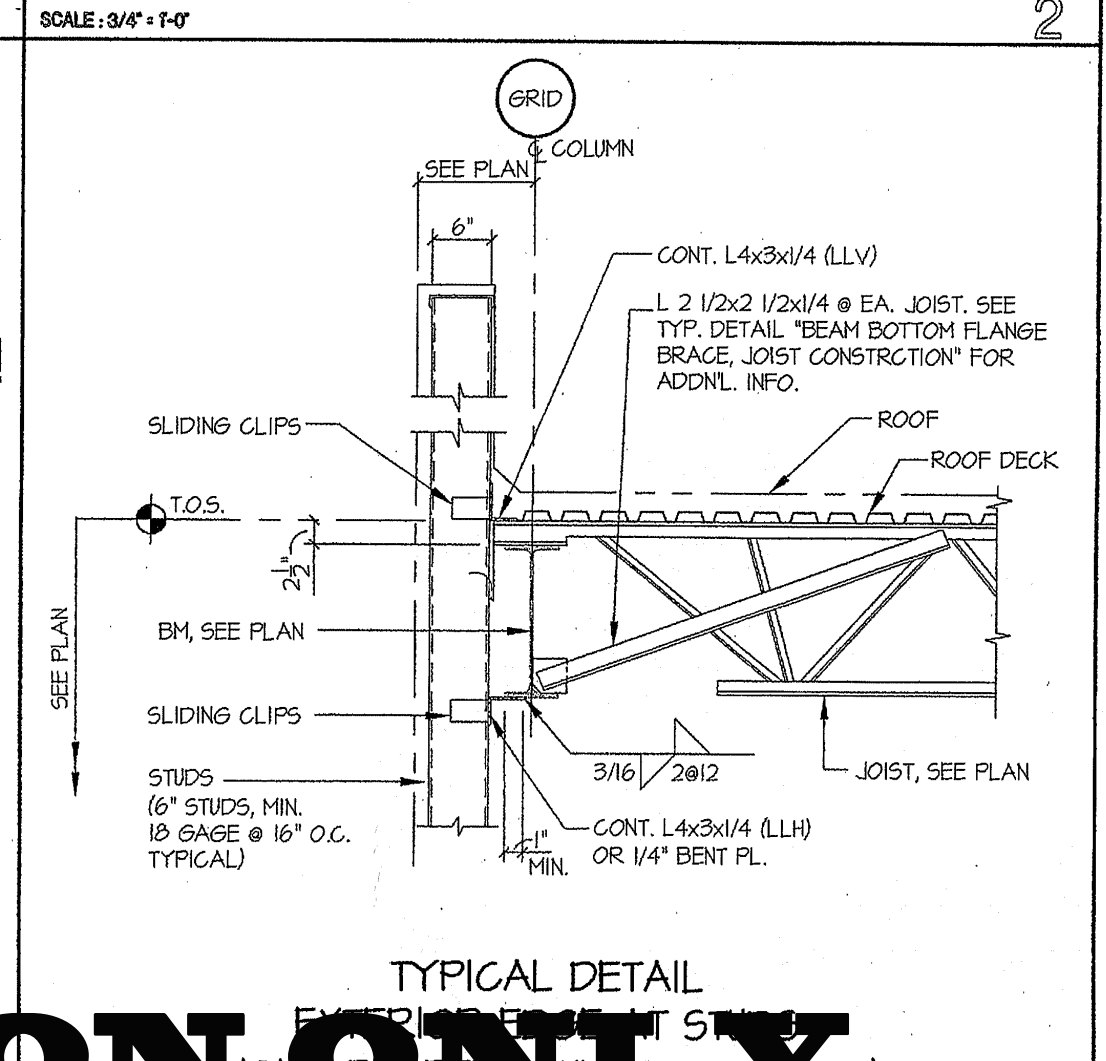
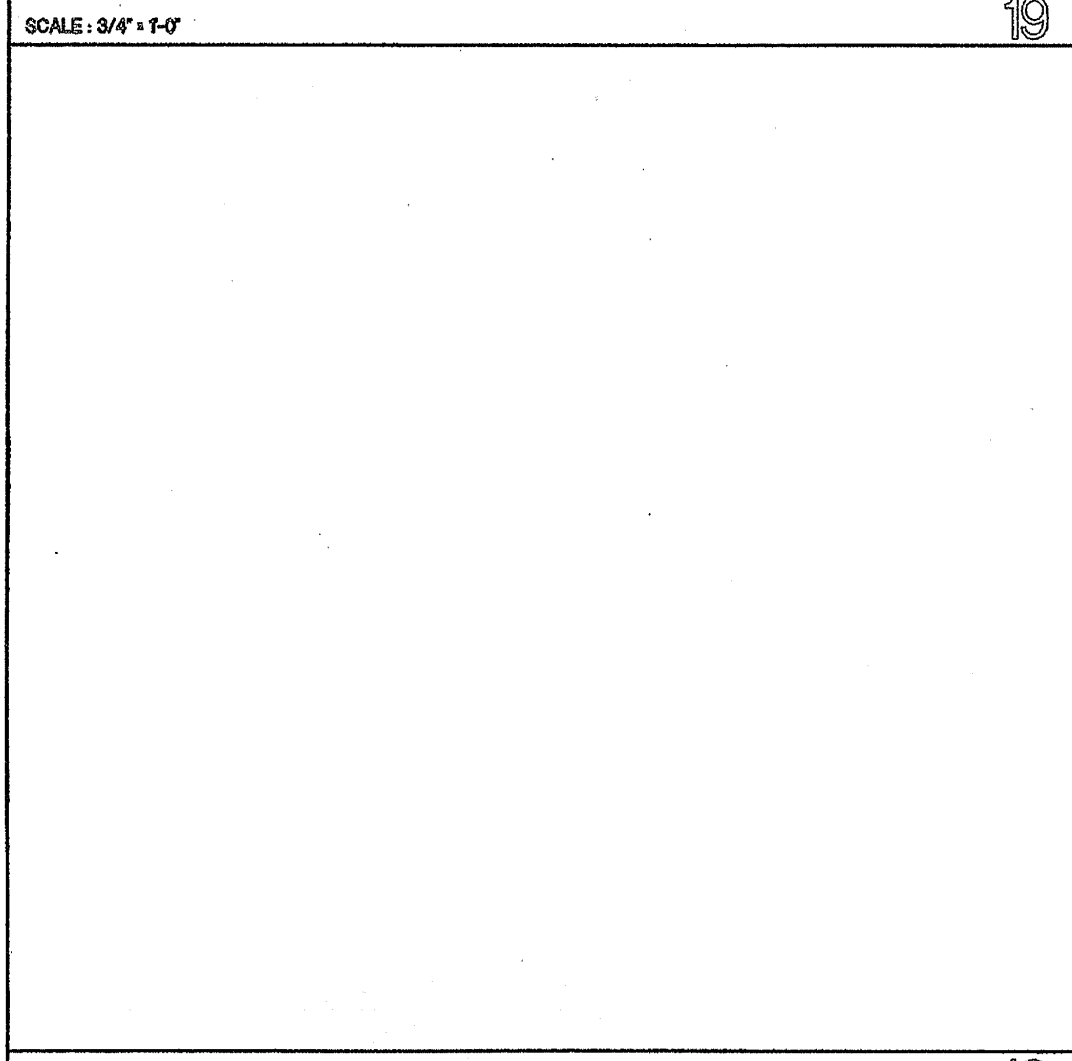
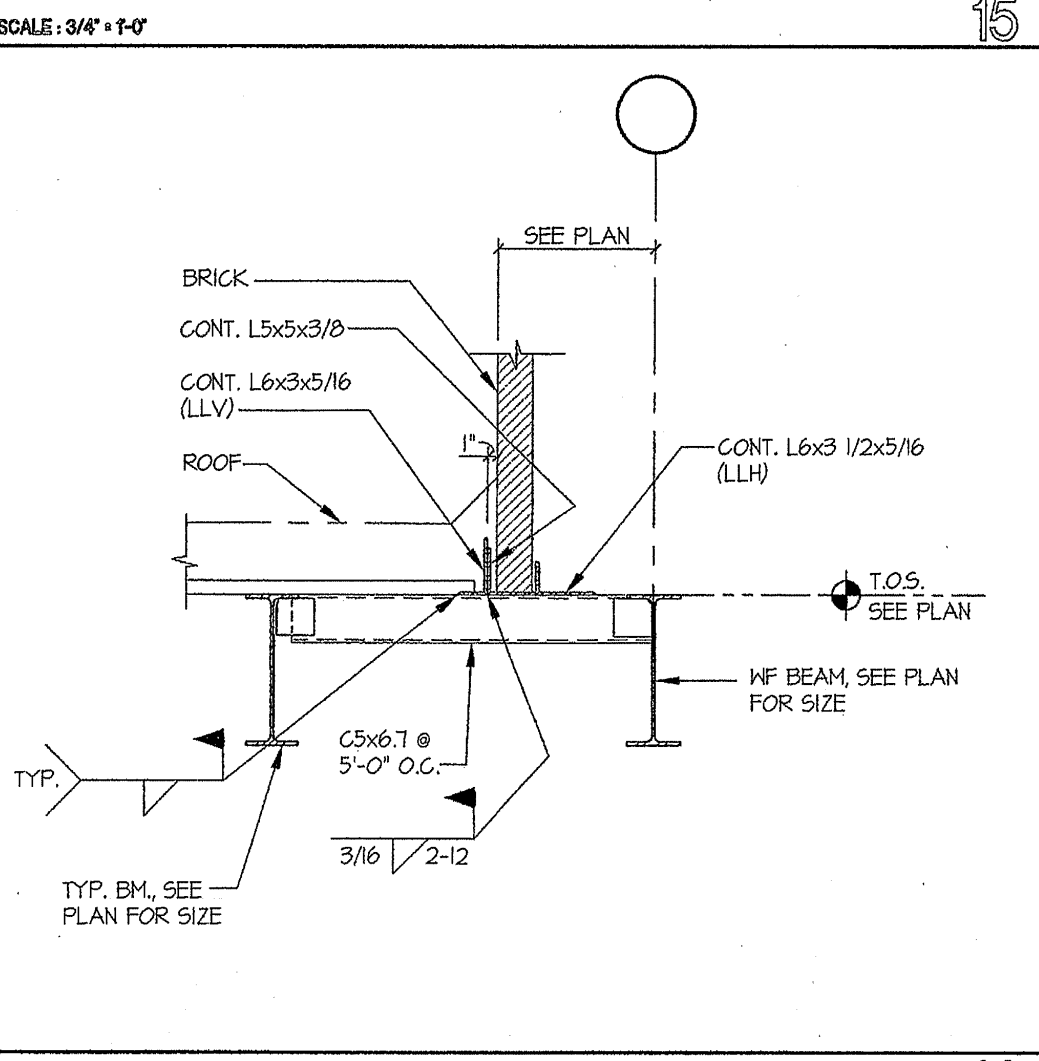
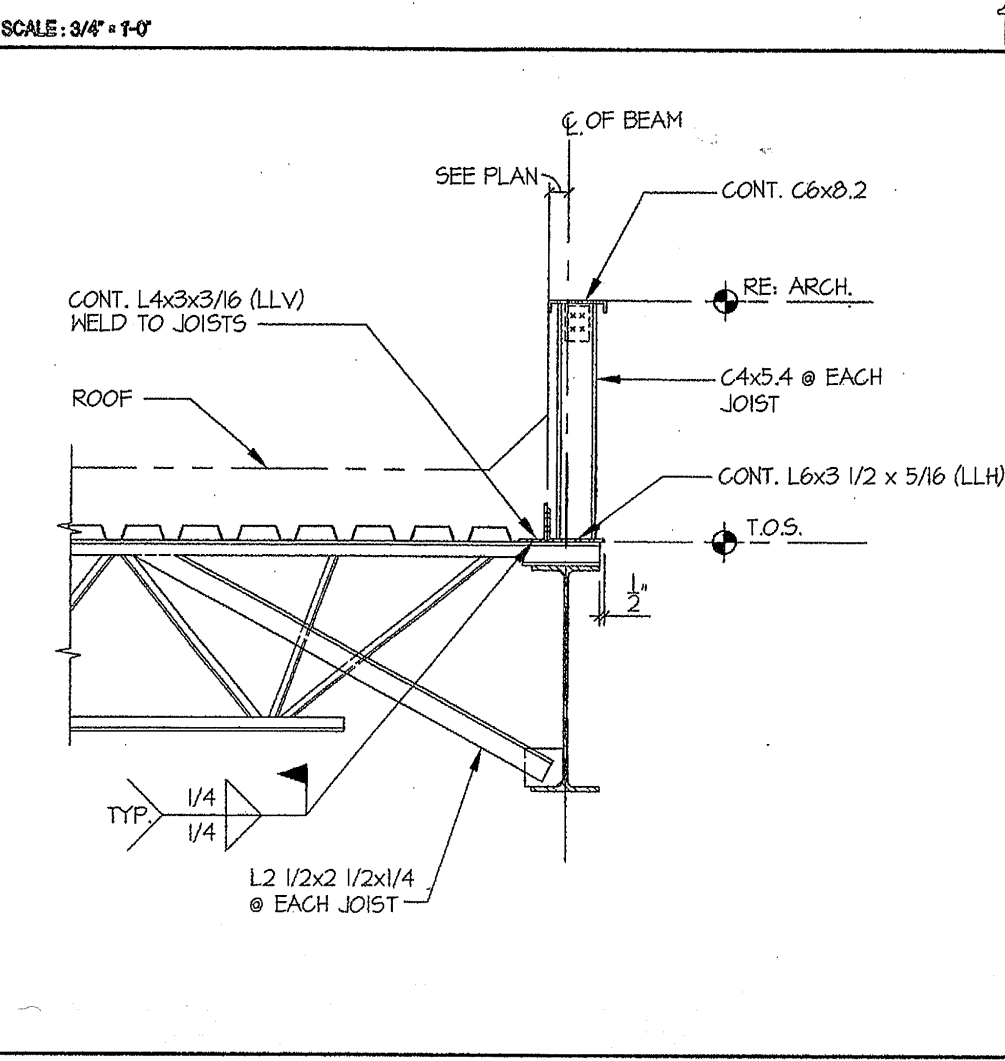
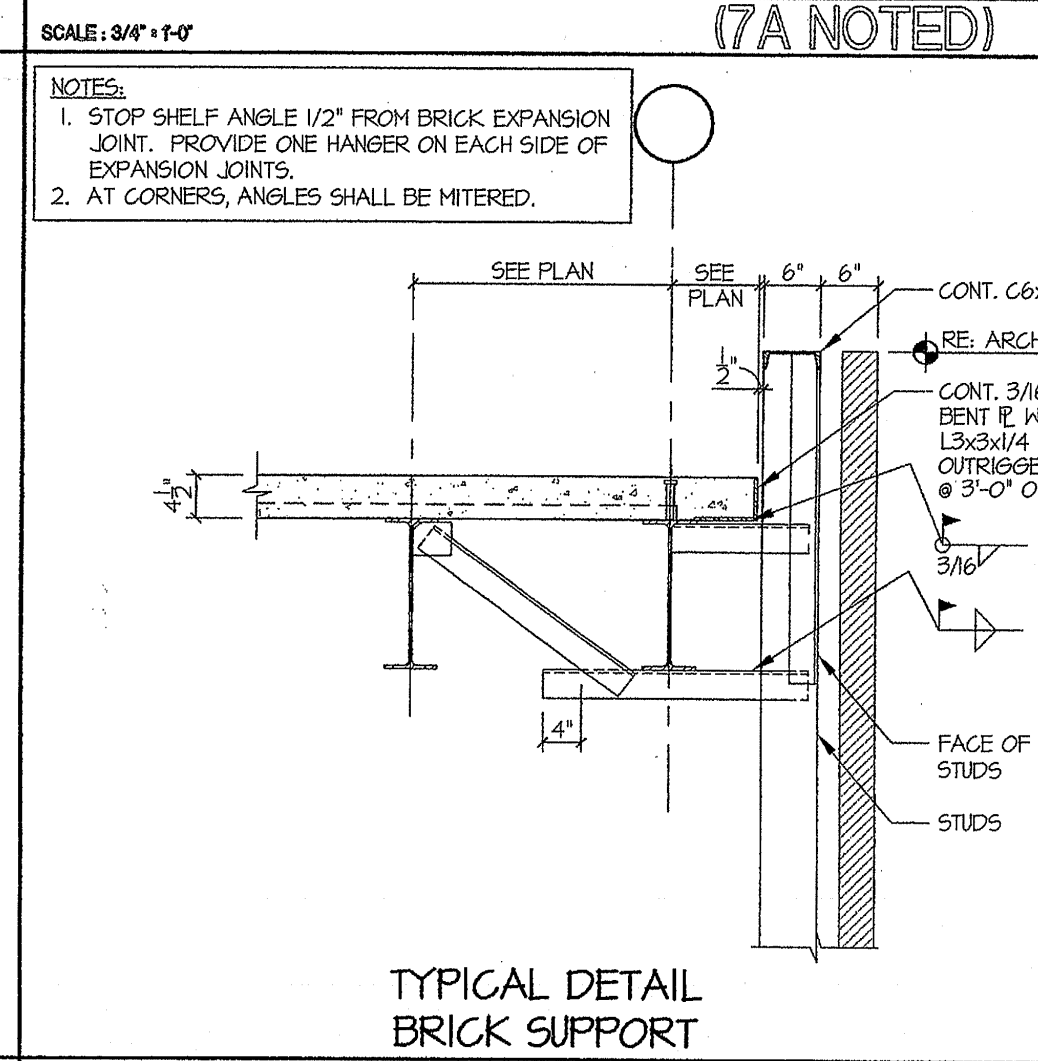
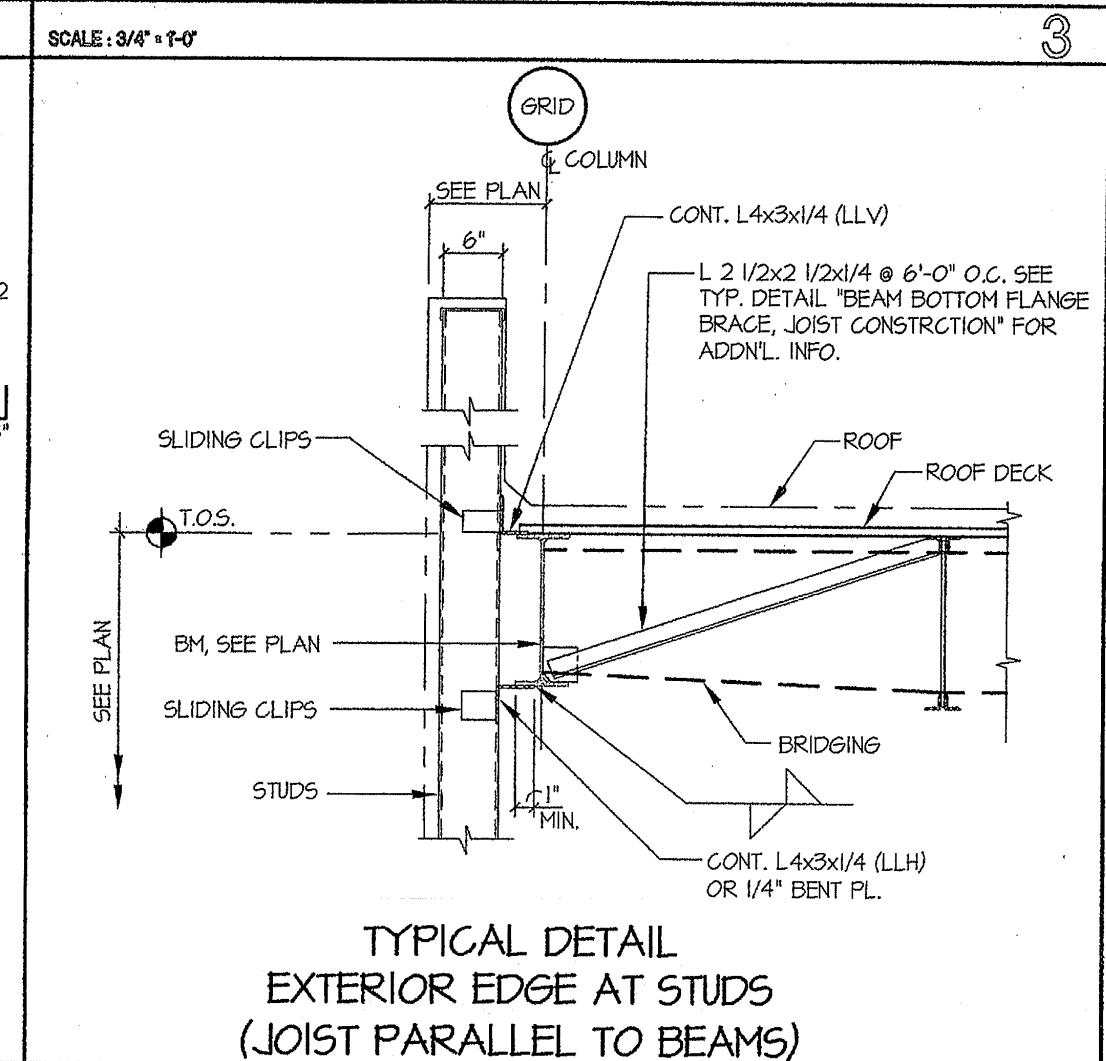
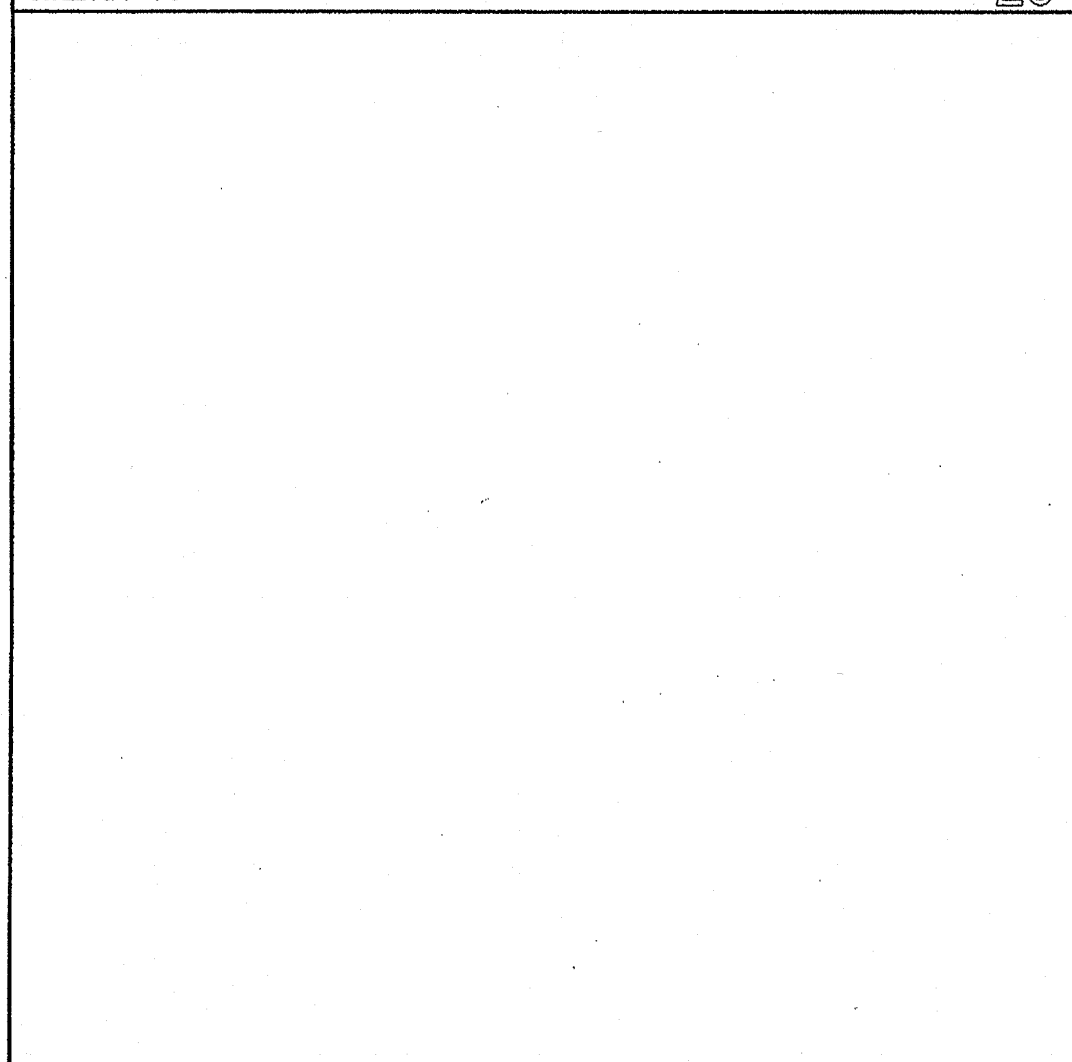
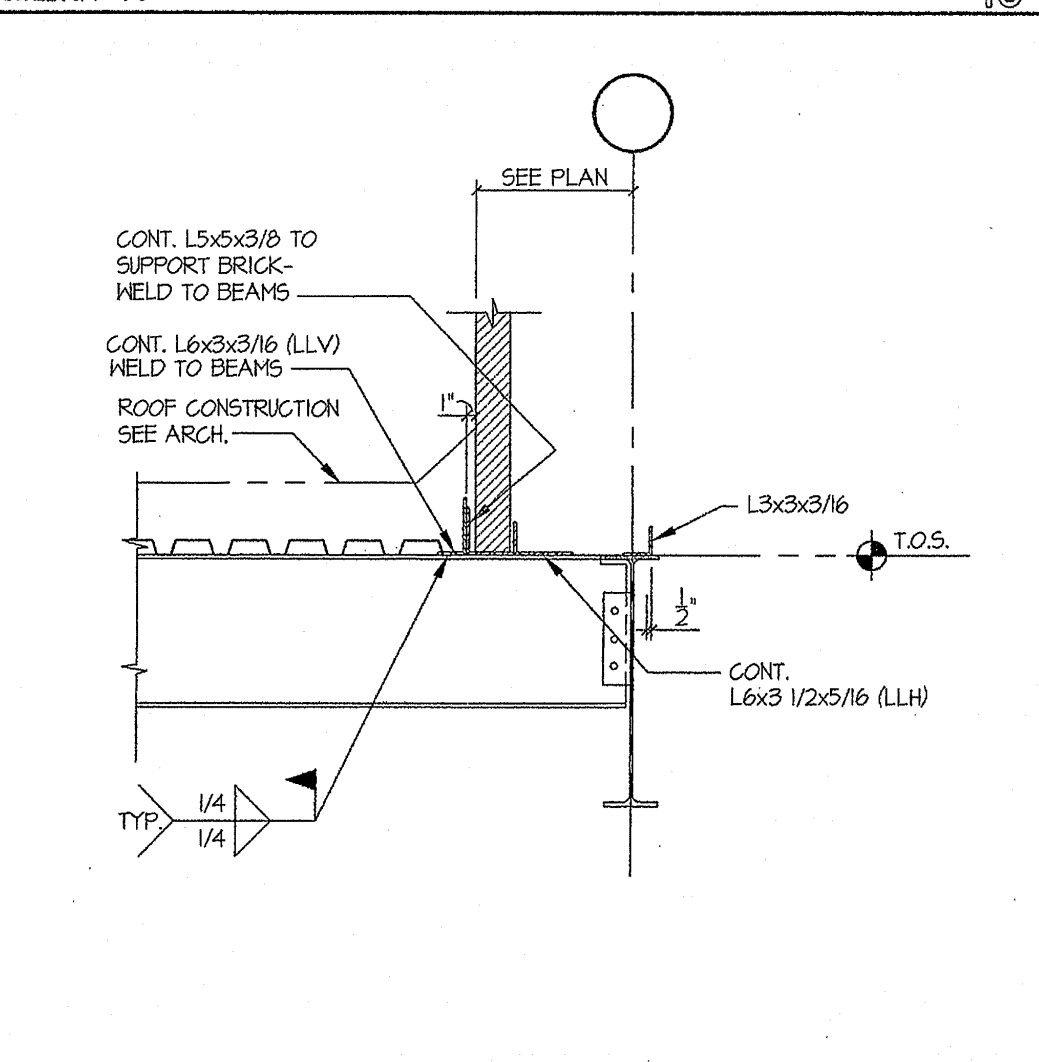
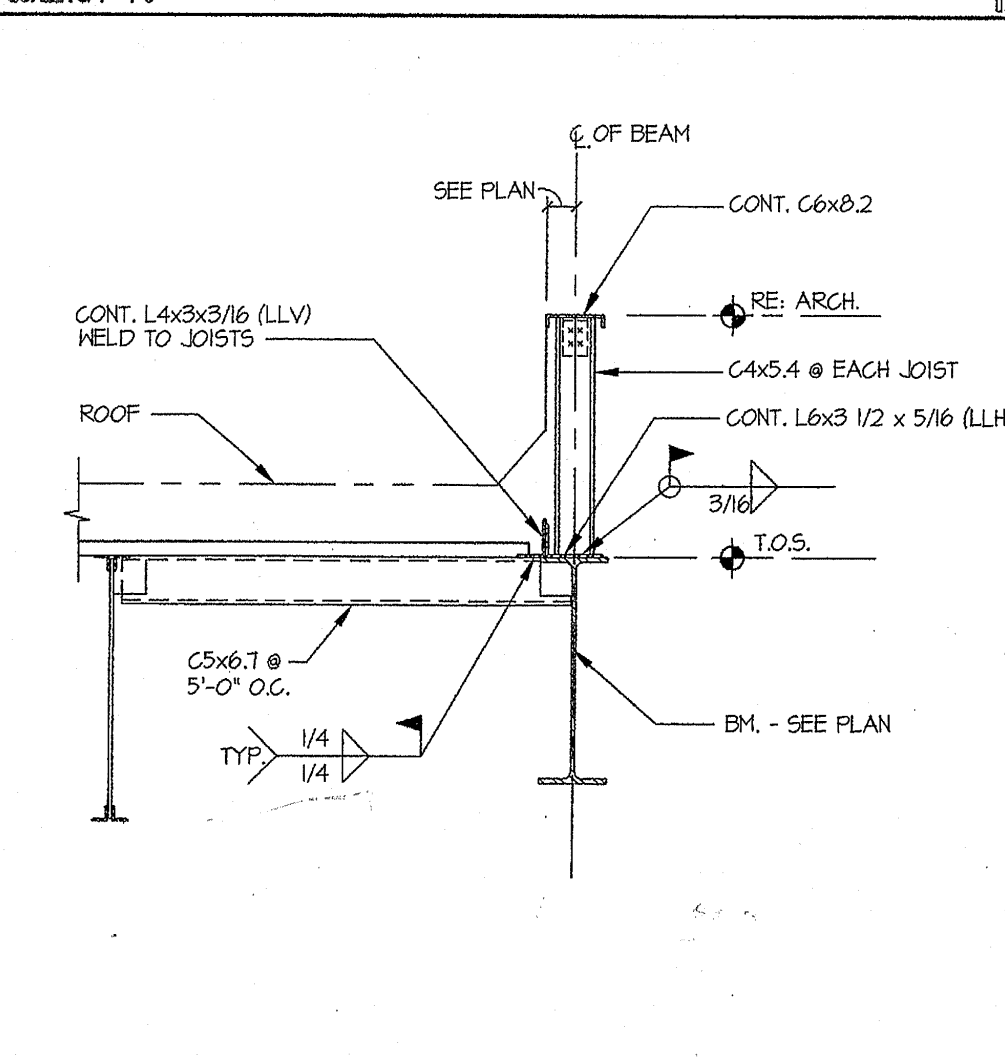
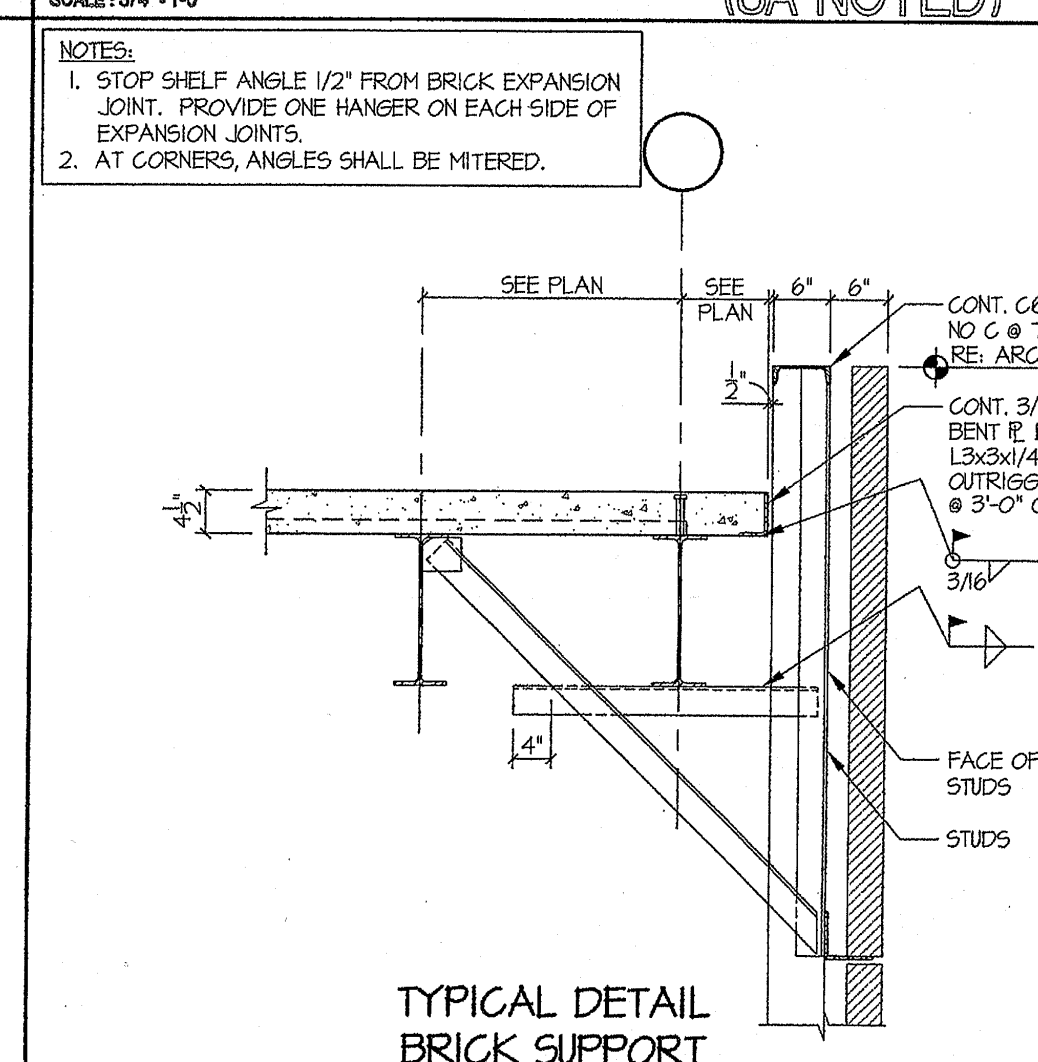
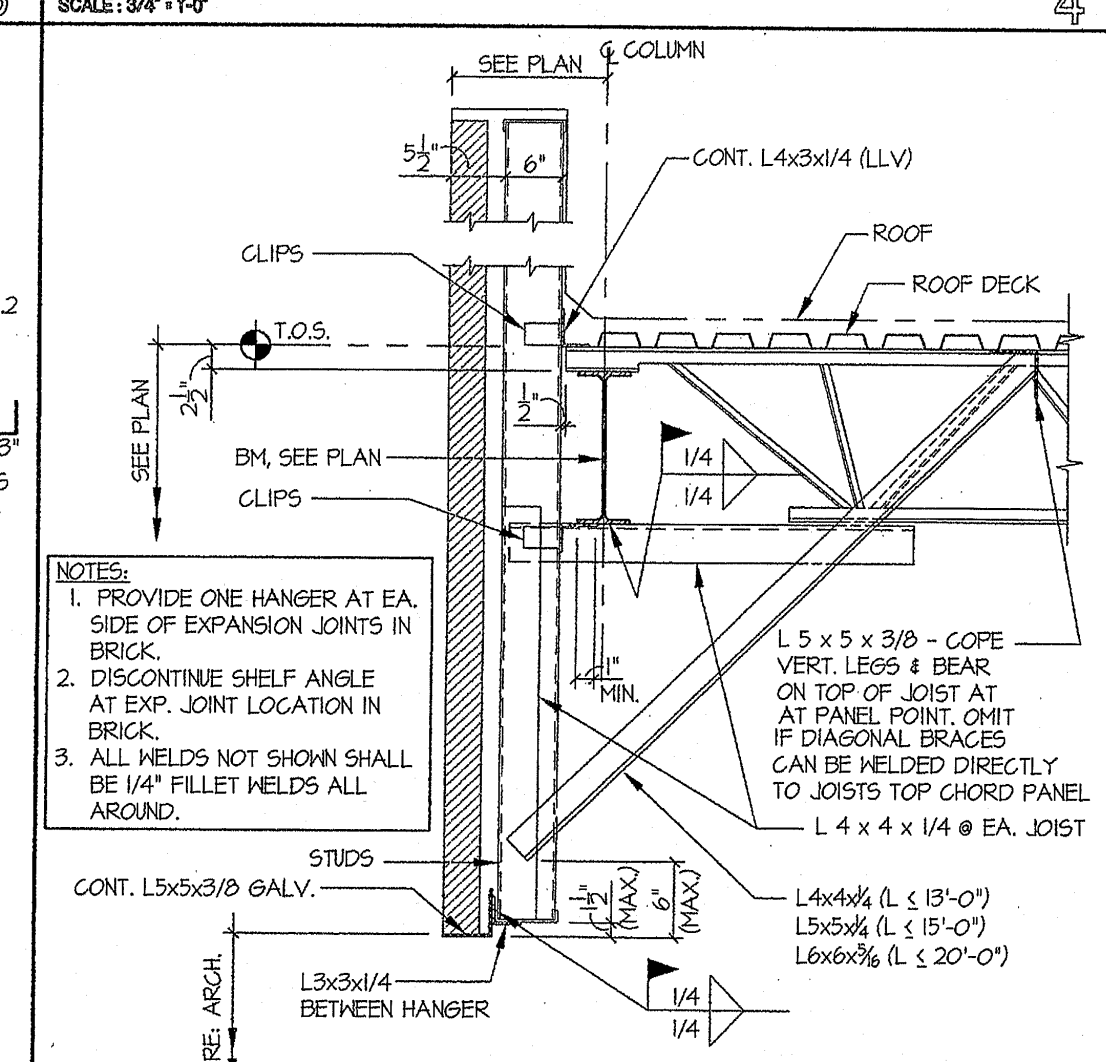
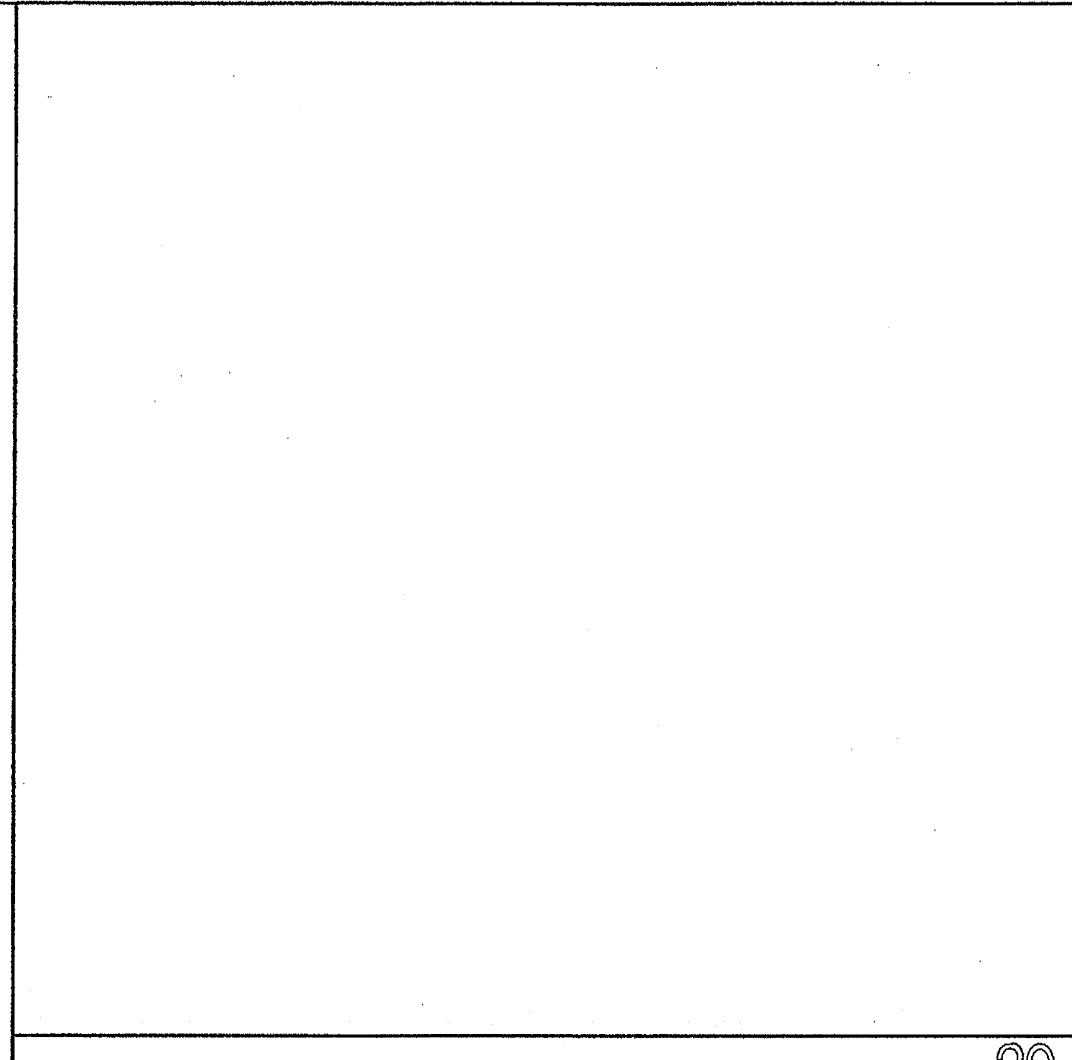
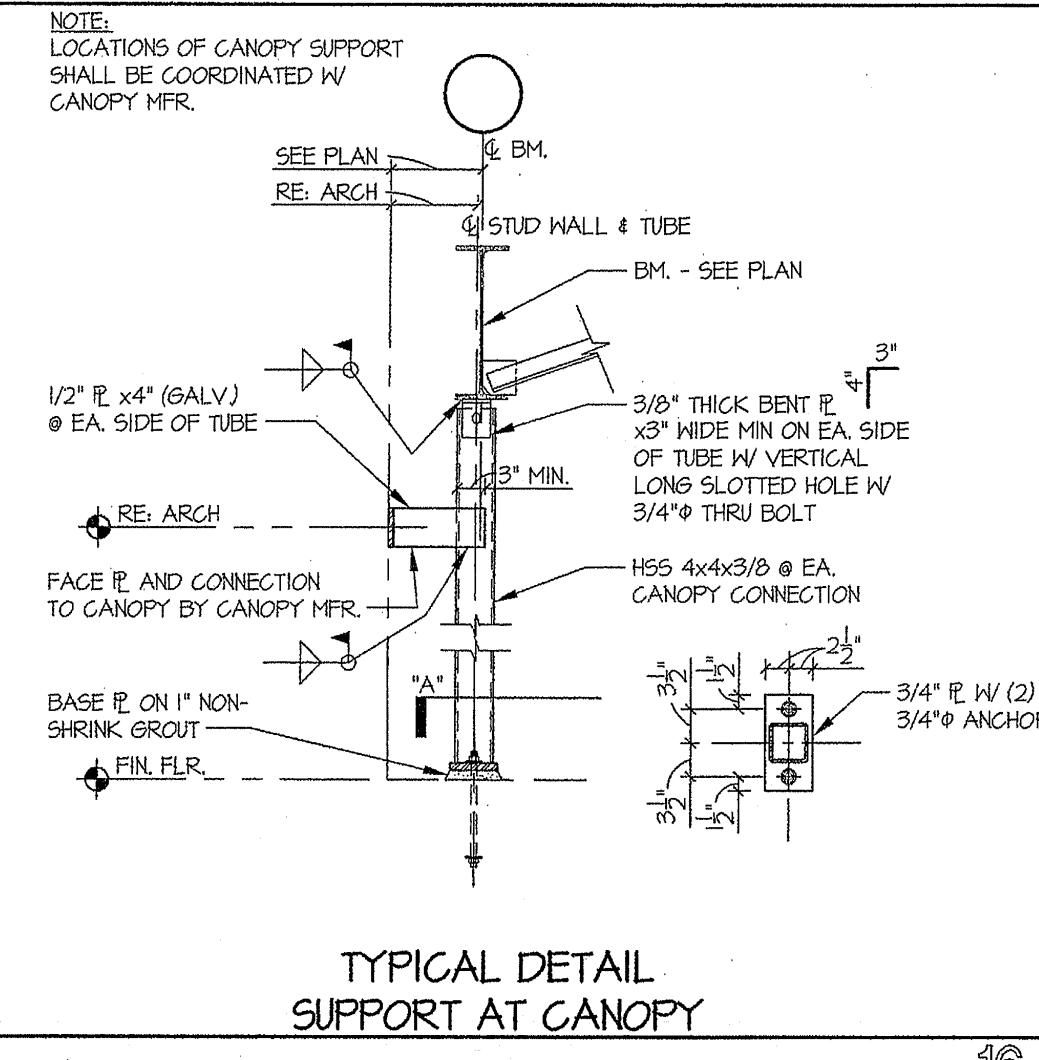
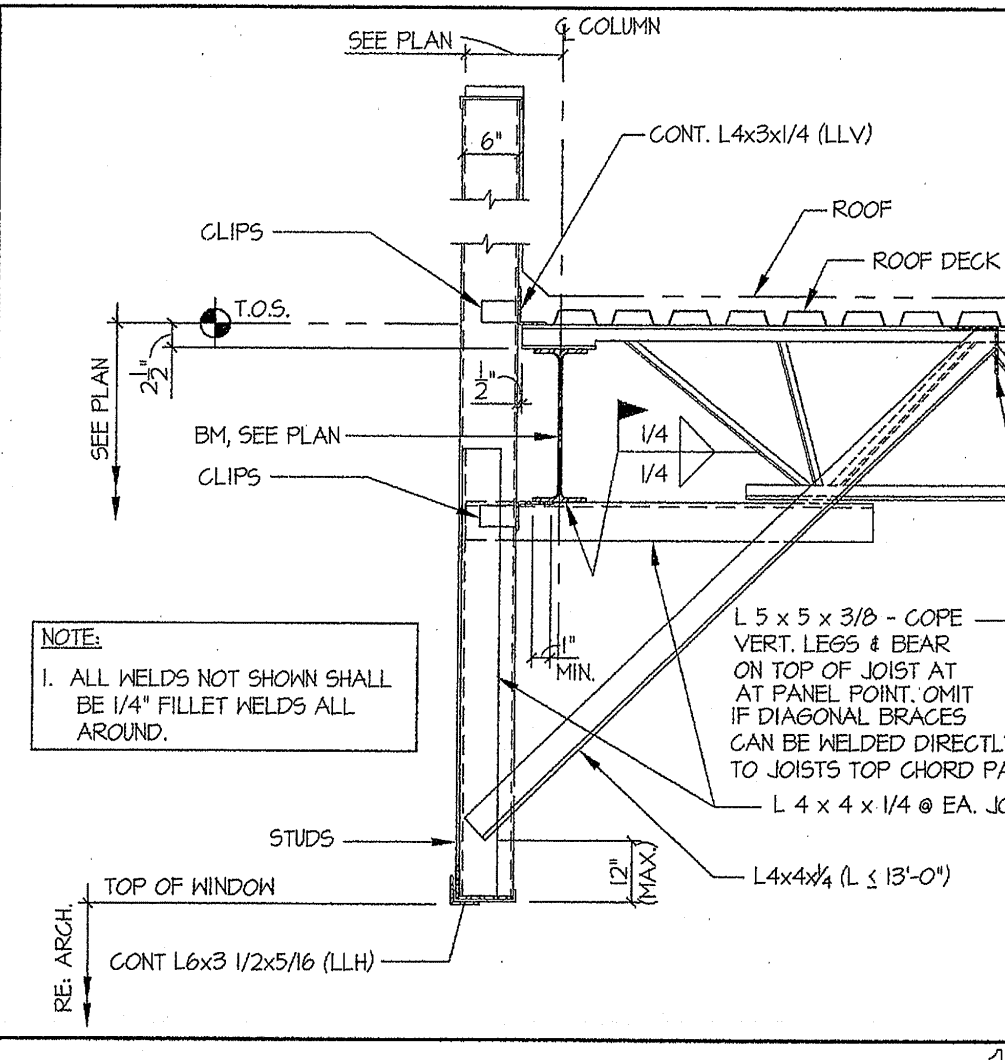
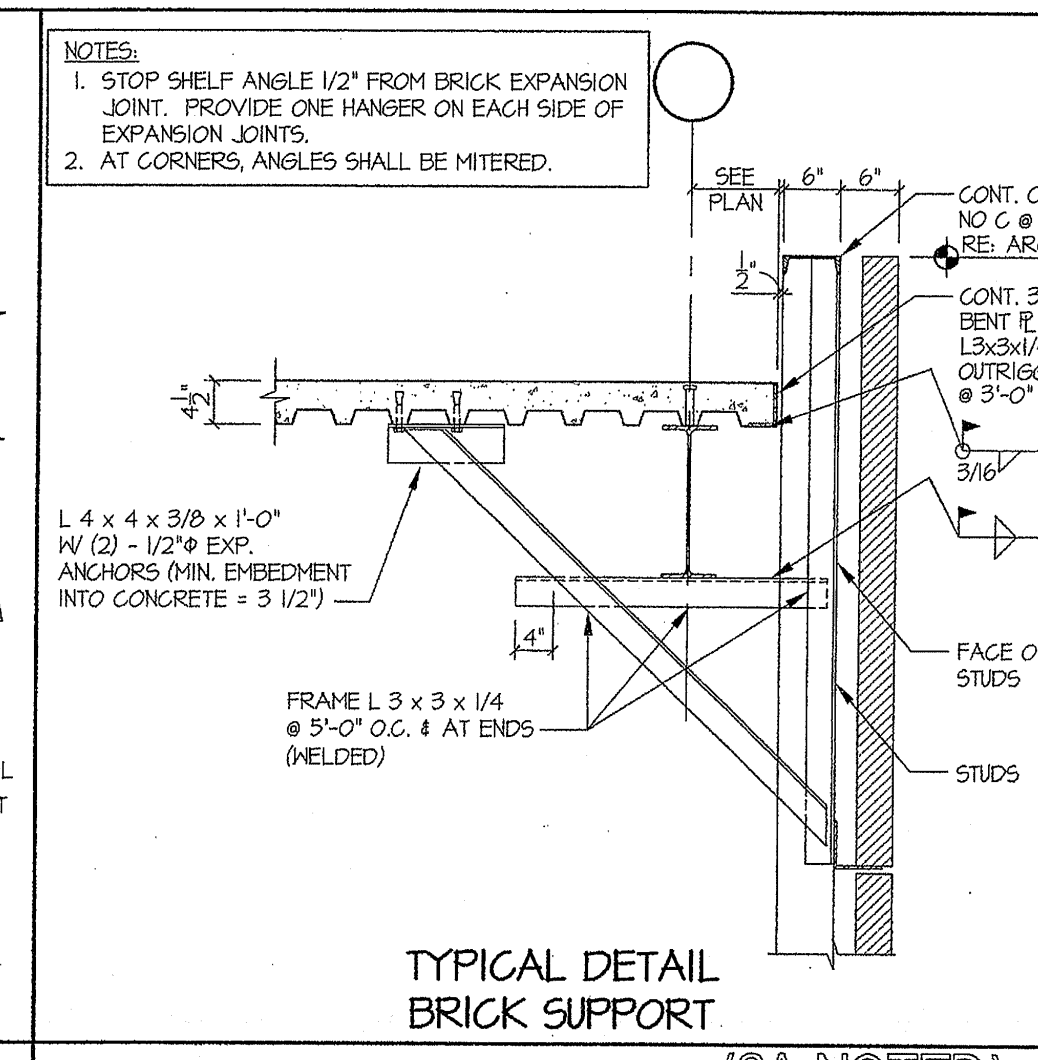
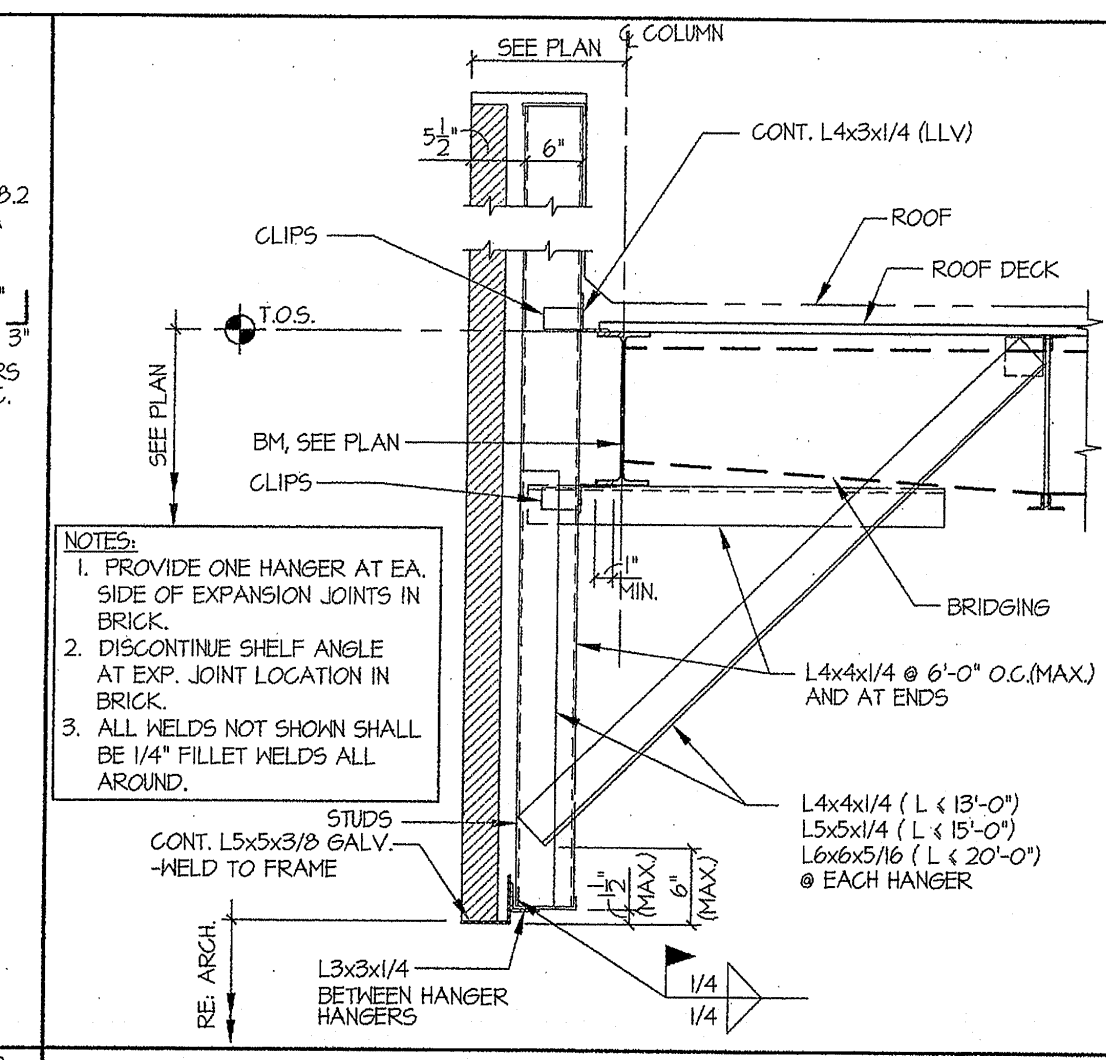
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ISSUE:

02.18.2009	DESIGN DEVELOPMENT
05.06.2009	50% CD
08.26.2009	95% CD
10.23.2009	REVISIONS
01.26.2010	PERMIT RESUBMITTAL
05.05.2010	PERMIT RESUBMITTAL
06.18.2010	ISSUE FOR BID

B/A Project No.: 07143
 Drawn By:
 Checked By:
 CAD File: 08083-CD-DWGS.dwg

FRAMING TYPICAL DETAILS
 Scale: AS NOTED



ADDENDUM NO. 4

DATE: May 23th 2013
PROJECT: Garage Corrosion Laboratory Buildout
LOCATION: 6815 Rustic Ave. Houston, Texas 77087
PROJECT NO.
DISTRIBUTION:
DELIVERED VIA:
NO. PAGES: 1
PREPARED BY: Smith & Company Architects, Inc



05/23/2013

This addendum forms a part of the Specifications for the Garage Corrosion Laboratory Buildout for Houston Community College, documents posted on April 22, 2013 for the subject project and modifies/add to them as noted below.

CHANGES TO DRAWINGS

1. Replace Sheet A2.01 Finish Floor Plan, Dated April 22, 2013, Replace with attached sheet A2.01 Finish Floor Plan, Dated May 23, 2013.
2. Replace Sheet A2.30 Reflected Ceiling Plan, Dated April 22, 2013, Replace with attached sheet A2.30 Reflected Ceiling Plan, Dated May 23, 2013
3. Replace Sheet A3.03 Material & Finish Schedule, Dated April 22, 2013, Replace with attached sheet A3.03 Material & Finish Schedule, Dated May 23, 2013.
4. Replace Sheet A4.01 Schedules, Legends & Notes, Dated April 22, 2013, Replace with attached sheet A4.01 Schedules, Legends & Notes, Dated May 23, 2013

END OF ADDENDUM NO. 4

NO.	DATE	DESCRIPTION
1	5/13/2013	ADDENDUM 1
2	5-22-2013	ADDENDUM 4

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SEAL:

PROJECT NAME :
**SE CAMPUS
GARAGE CORROSION LAB
BUILD OUT**
HOUSTON COMMUNITY COLLEGE

6815 RUSTIC AVE.,
HOUSTON, TX 77087

KEY MAP:

REVIEWED:

PROJECT MANAGER _____ SPONSORING DEPARTMENT _____

PROJECT MANAGER _____

CONSULTANT(S) :

DATE : APRIL 03, 2013
PROJECT NO.: R122812
SCALE :
DRAWN BY : JAW
CHECKED BY : TDS

SHEET TITLE :
**GARAGE
CORROSION
LAB
FINISH FLOOR PLAN**

SHEET NO. :
A2.01

- ① LOCATION OF CORNERGAURDS, CG-1
- ② REFER TO INTERIOR ELEVATION SHEETS FOR ADDITIONAL DETAILS
- ③ CONTRACTOR TO INSTALL FIELD TILE, PCT-1 IN MONOLITHIC PATTERN. USE WHOLE TILES AS SHOWING IN THE FINISH PLANS
- ④ INSTALL VCT-3, IN STACKED GRID PATTERN AS SHOWING IN FINISH PLANS.
- ⑤ USE WHOLE TILES AT ALL TILE TRANSITIONS, LIMIT CUT TILES TO WALLS AND CENTER TILE PATTERNS IN ROOM.
- ⑥ ALL GROUT LINES TO BE RECTIFIED 1/8"
- ⑦ INSTALL TILE, PCT-3, IN HERRINGBONE PATTERN AS SHOWING, AT 45 DEGREE ANGLE.
- ⑧ ALIGN ALL GROUT LINES WITH WALL EDGES WHERE APPLICABLE.
- ⑨ PROVIDE SMOOTH TRANSITION IN FLOORING MATERIALS. INSTALL SCHLUTER ALUMINUM TRIM AS NEEDED.

KEY NOTES NO SCALE ③

VCT-1 [Pattern]

VCT-2 [Pattern]

VCT-3 [Pattern]

CT-1 [Pattern]

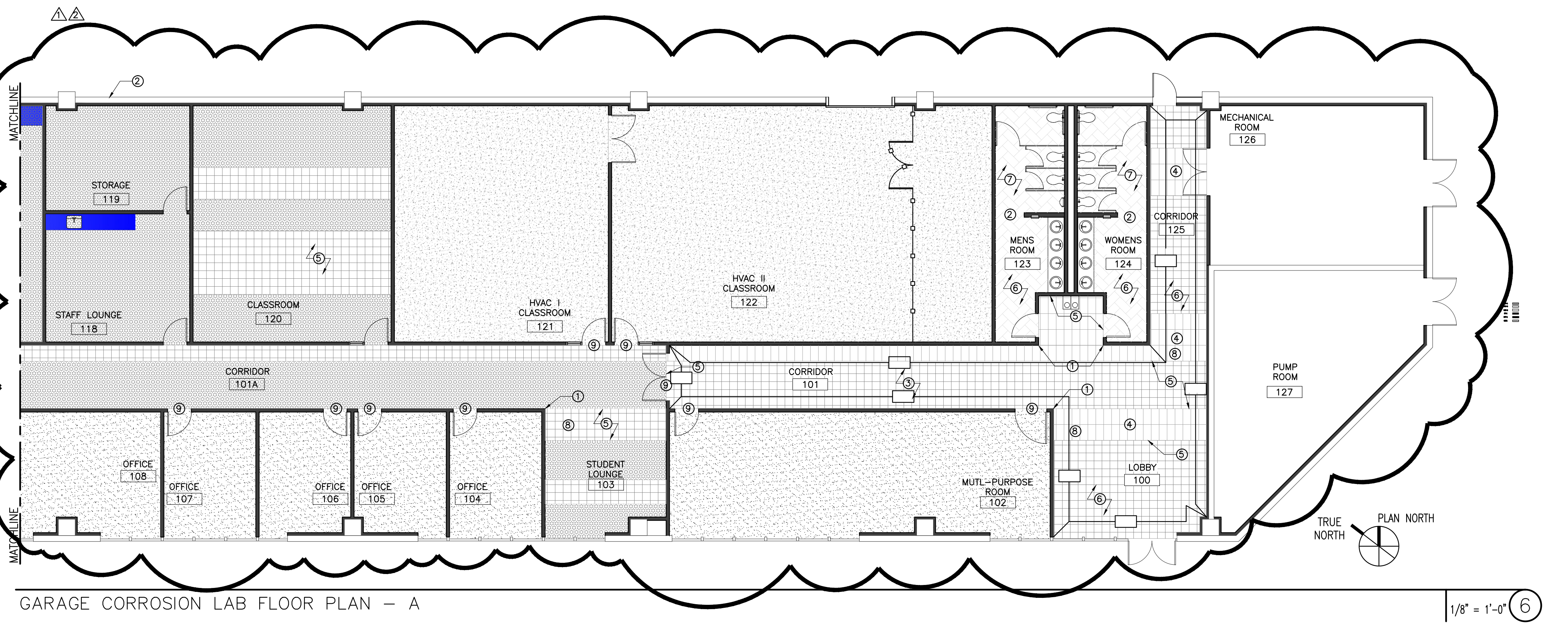
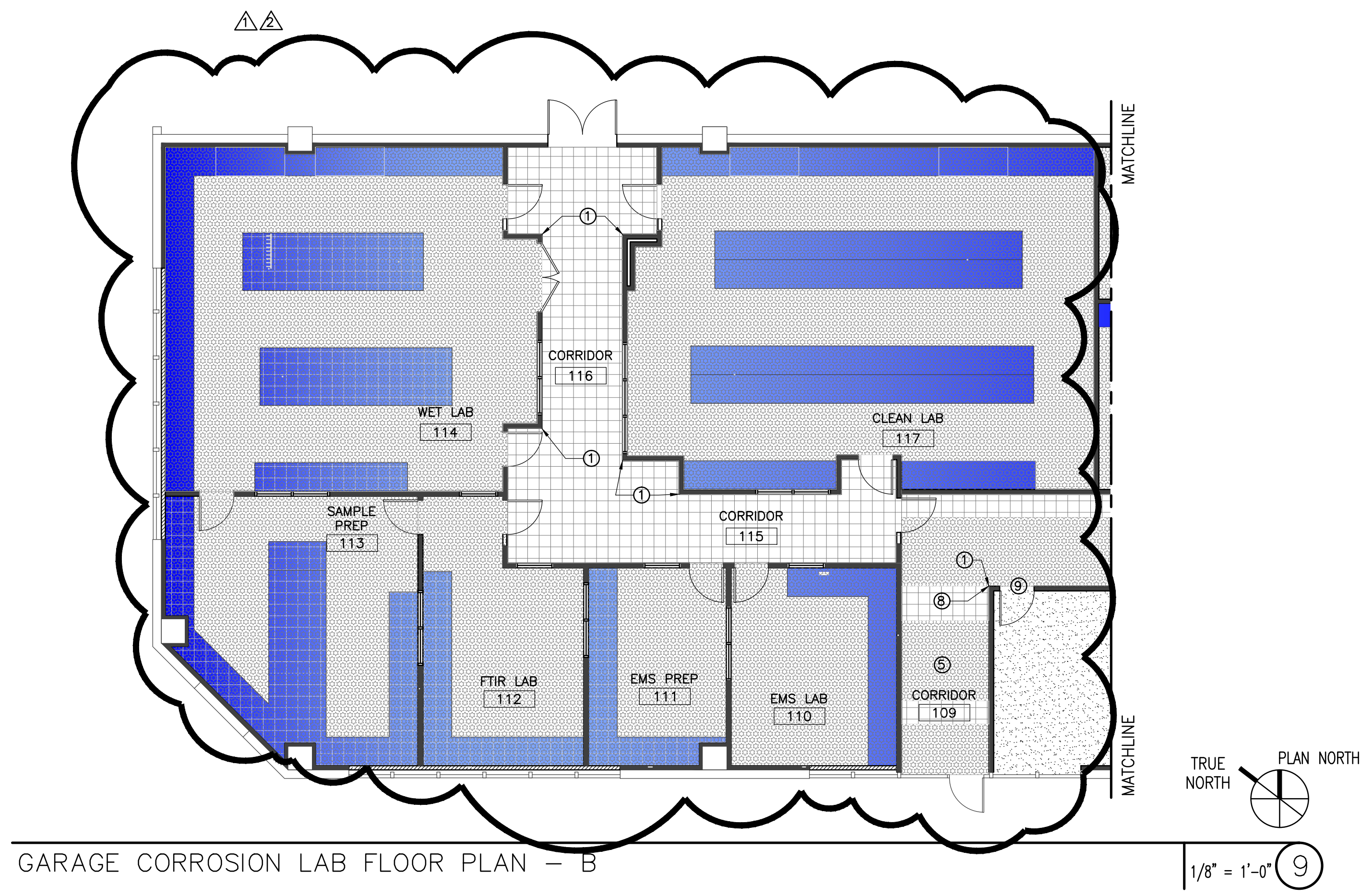
CPT-1 [Pattern]

CONC. [Pattern]

FINISH KEY NO SCALE ②

1. STANDARDS AND PROCEDURES FOR THE PREPARATION AND APPLICATION OF INTERIOR FINISHES ARE DEFINED IN THE PROJECT MANUAL. FINISH SUB-CONTRACTORS ARE REQUIRED TO READ, UNDERSTAND, AND FOLLOW ALL RELEVANT SECTIONS OF THE PROJECT MANUAL.
2. FINISH MATERIAL SPECIFICATIONS ARE LISTED IN THE FINISH LEGEND COMPONENT OF THE FINISH SCHEDULE. PERFORMANCE SPECIFICATIONS ARE INCLUDED IN THE PROJECT MANUAL. ANY CONFLICTS OR DISCREPANCIES BETWEEN THESE TWO SHOULD BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
3. REFER TO SHEET A3.01 FOR FINISH SCHEDULE, AND MATERIALS AND FINISH DESIGNATIONS.
4. ALL VERTICAL TRANSITIONS BETWEEN DIFFERING WALL FINISHES ARE TO BE MADE AT INSIDE CORNERS (UNLESS NOTED OTHERWISE).
5. CERAMIC & PORCELAIN WALL TILE TO EXTEND FULL WIDTH AND FULL HEIGHT FOR ANY AND ALL SCHEDULED TILED WALLS (UNLESS NOTED OTHERWISE).
6. PROVIDE STRAIGHT PROFILE RUBBER BASE AT ALL CARPETED AREAS AND COVE BASE AT ALL RESILIENT FLOORING. REFER TO MATERIALS SCHEDULE FOR HEIGHT AND COLOR.
7. APPROPRIATE METAL OR RESILIENT TRANSITION STRIPS OR THRESHOLDS MUST BE PROVIDED AT ALL FINISH FLOORING CHANGES. DETAILS MUST BE APPROVED BY ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
8. PAINT FACE OF ALL ELECTRIC PANELS NOT LOCATED WITHIN ELECTRICAL ROOMS. MATCH WALL FINISH.
9. VCT PATTERNS ARE NOT SHOWN UNDER CASEWORK FOR CLARITY. CONTINUE PATTERNS UNDERNEATH COUNTERTOPS AND CASEWORK WHERE FLOOR IS VISIBLE.
10. CHANGES IN FLOOR FINISH MATERIALS IN ADJOINING ROOMS TO OCCUR CENTERED DIRECTLY UNDER THE LEAF OF THE DOOR IN THE CONNECTING DOORWAY.

GENERAL NOTES NO SCALE ①



ISSUE LOG

NO.	DATE	DESCRIPTION
△	5-13-2013	ADDENDUM 1
△	5-23-2013	ADDENDUM 4

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SEAL:



PROJECT NAME :
**SE CAMPUS
GARAGE CORROSION LAB
BUILD OUT**
HOUSTON COMMUNITY COLLEGE
6815 RUSTIC AVE.,
HOUSTON, TX 77087

KEY MAP:

REVIEWED:

PROJECT MANAGER _____ SPONSORING DEPARTMENT _____

PROJECT MANAGER _____

CONSULTANT(S) :

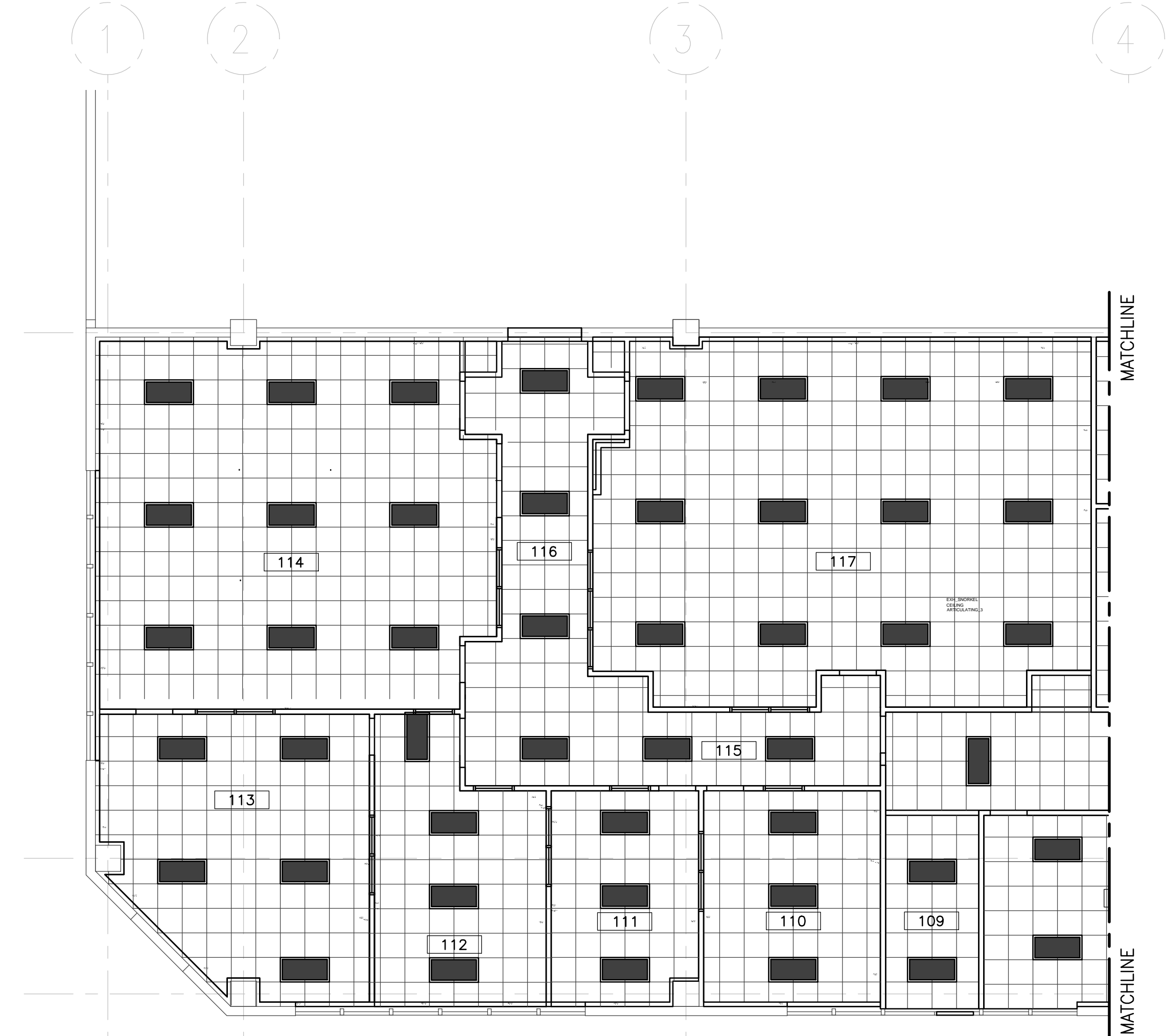
DATE : APRIL 03, 2013
PROJECT NO.: R122812
SCALE :
DRAWN BY : JAW
CHECKED BY : TDS

SHEET TITLE :

**GARAGE
CORROSION LAB
REFLECTED
CEILING PLAN**

SHEET NO. :

A2.30



GARAGE CORROSION LAB FLOOR PLAN - B

1/8" = 1'-0" 9

- ① DA-LITE NEW ADVANTAGE ELECTROL (CEILING RECESSED ELECTRIC SCREEN) - 69 inches x 92 inches - PROVIDE SCREEN, POWER, SWITCH AND CONDUIT - REF ELEC.
- ② CEILING MOUNTED DATA PROJECTOR PROVIDED & INSTALLED BY OWNER. CONTRACTOR TO INSTALL CONDUIT - REF ELEC.

KEY NOTES

NO SCALE 3

- NEW LIGHT COVE
- NEW 6 INCH RECESSED CAN FIXTURES
- NEW 2x4 RECESSED FLUORESCENT FIXTURES
- NEW PAINTED GYP. CEILING
- NEW 2x2 CEILING TILE AND 2x2 GRID SYSTEM

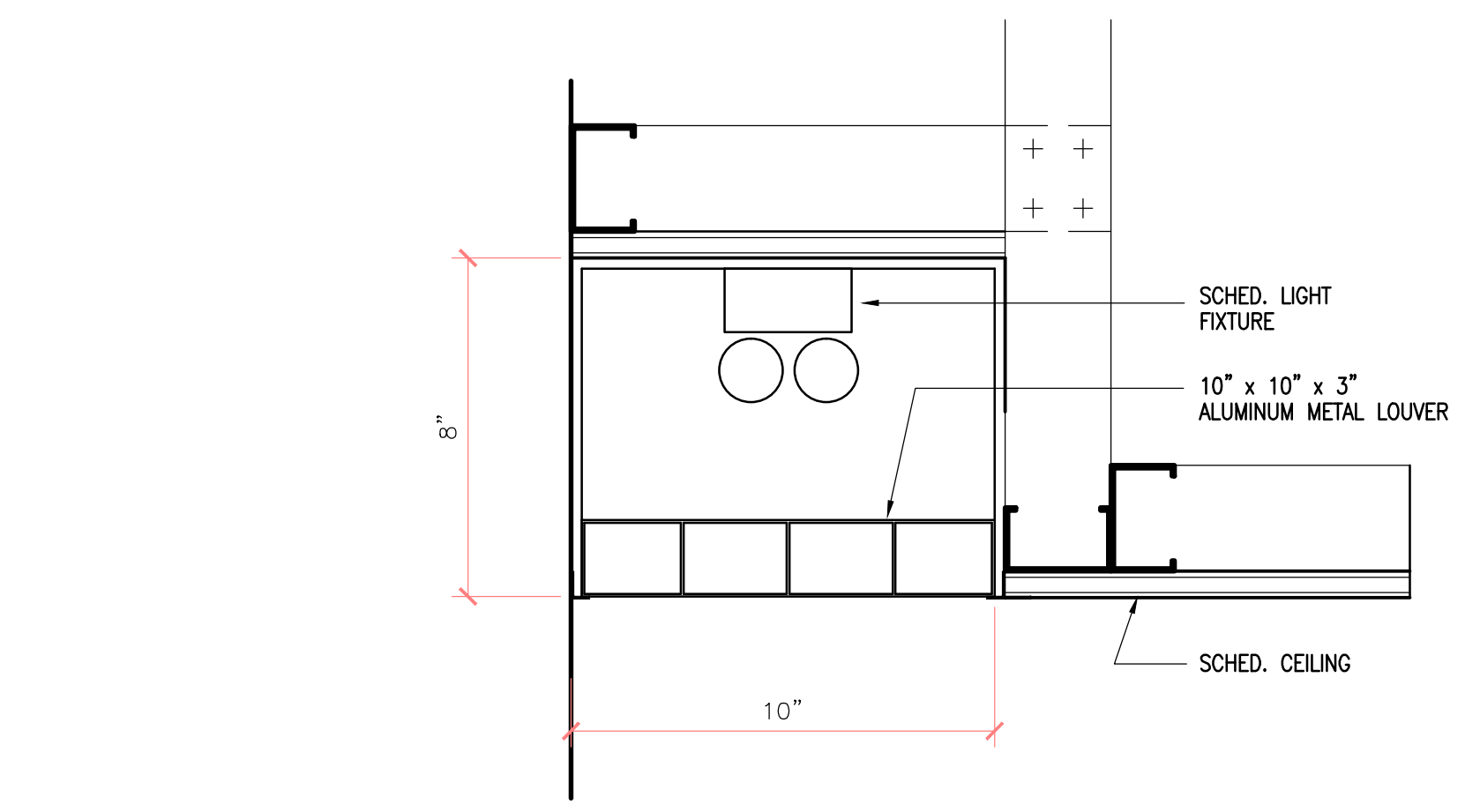
LEGEND

NO SCALE 2

- 1. SEE ELECTRICAL DWG'S FOR LIGHT FIXTURE TYPES.
- 2. MECHANICAL DEVICES NOT SHOWN FOR CLARITY - REF. MECHANICAL
- 3. ALL CEILING ARE 2x2 CEILING TILE AND GRID U.N.O.
- 4. REFER TO SHEET A3.03 FOR FINISH SCHEDULE

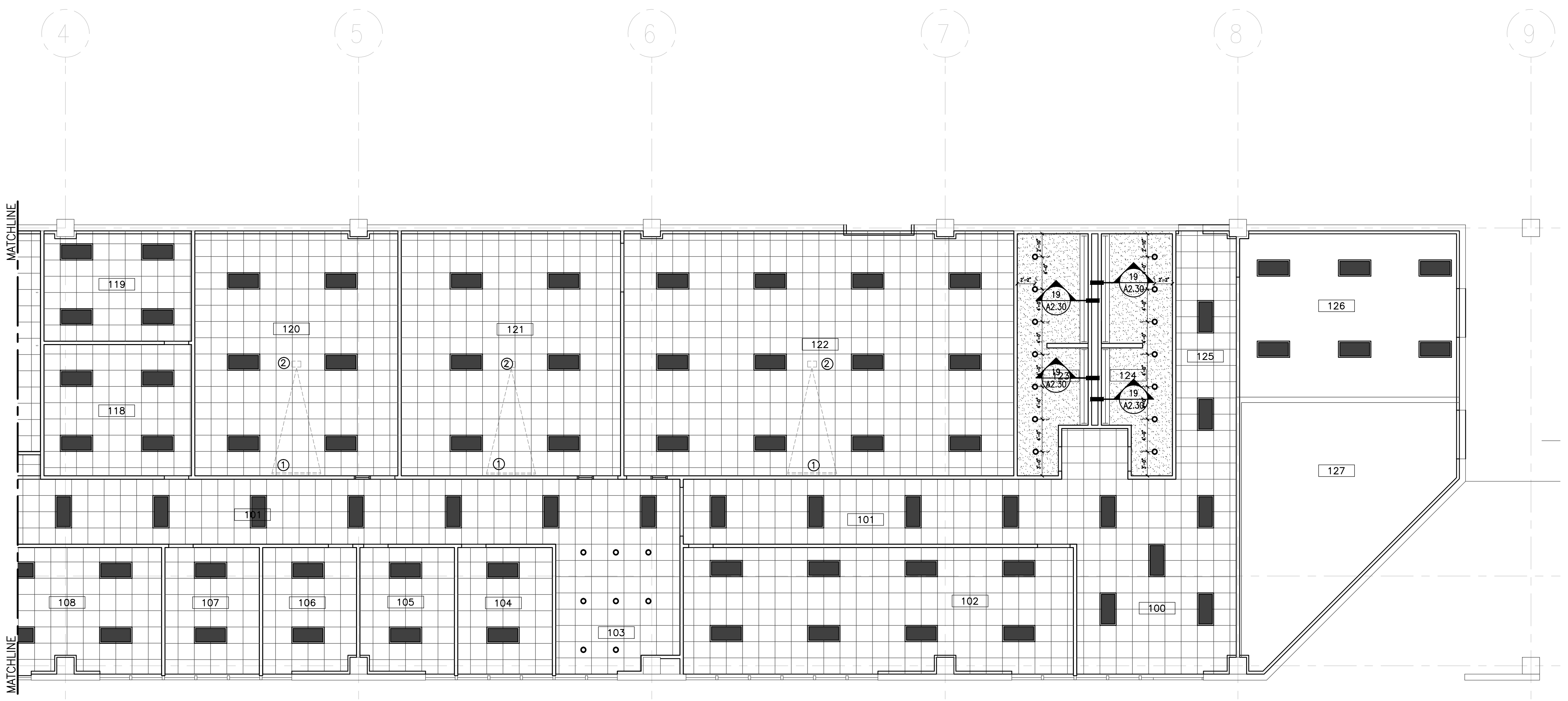
GENERAL NOTES

NO SCALE 1



COVE LIGHTING DETAIL

3" = 1'-0" 19



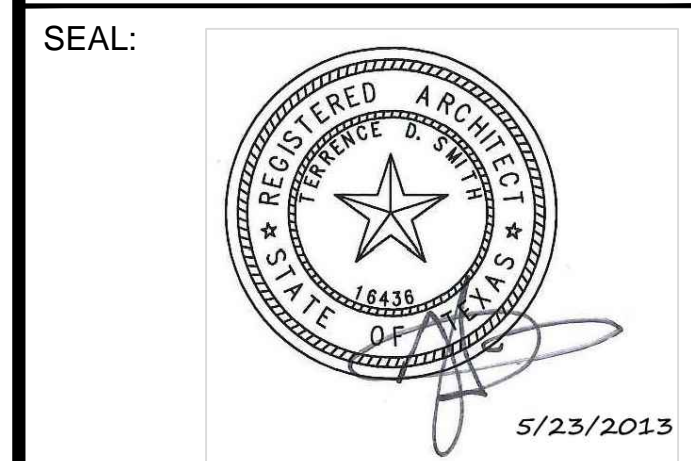
GARAGE CORROSION LAB FLOOR PLAN - A

1/8" = 1'-0" 6

NO.	DATE	DESCRIPTION
1	5/13/2013	ADDENDUM 1
2	5-22-2013	ADDENDUM 4

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PROJECT NAME :
SE CAMPUS GARAGE CORROSION LAB BUILD OUT
HOUSTON COMMUNITY COLLEGE

6815 RUSTIC AVE.,
HOUSTON, TX 77087

KEY MAP:

REVIEWED:

PROJECT MANAGER _____ SPONSORING DEPARTMENT _____

PROJECT MANAGER _____

CONSULTANT(S) :

DATE : APRIL 03, 2013

PROJECT NO.: R122812

SCALE :

DRAWN BY : JAW

CHECKED BY : TDS

SHEET TITLE :

MATERIAL AND FINISH SCHEDULE

SHEET NO. : **A3.03**

ROOM FINISH SCHEDULE

RM #s	ROOM NAME	FLOOR		WALLS					CEILING		REMARKS
		FLOOR	BASE	ALL	NORTH	SOUTH	EAST	WEST	MATL./FINISH	HEIGHT	
100	LOBBY	VCT-1,3	RB-1		PT-3	PT-1			ACT-1	8'-6"	SEE FINISH PLANS FOR PLACEMENT
101	CORRIDOR	VCT-1,3	RB-1		PT-3	PT-1	PT-4	PT-1	ACT-1	8'-6"	SEE FINISH PLANS FOR PLACEMENT
101A	CORRIDOR	VCT-1,2	RB-1	PT-1					ACT-1	8'-6"	
102	MULTI PURPOSE	CPT-1	RB-1	PT-2					ACT-1	8'-6"	
103	STUDENT LOUNGE	VCT-1,2	RB-1	PT-1					ACT-1	8'-6"	
104	OFFICE	CPT-1	RB-1	PT-2					ACT-1	8'-6"	
105	OFFICE	CPT-1	RB-1	PT-2					ACT-1	8'-6"	
106	OFFICE	CPT-1	RB-1	PT-2					ACT-1	8'-6"	
107	OFFICE	CPT-1	RB-1	PT-2					ACT-1	8'-6"	
108	OFFICE	CPT-1	RB-1	PT-2					ACT-1	8'-6"	
109	CORRIDOR	VCT-1,2	RB-1	PT-1					ACT-1	8'-6"	
110	EMS LAB	VCT-2	RB-1	PT-1					ACT-1	8'-6"	
111	EMS PREP	VCT-2	RB-1	PT-1					ACT-1	8'-6"	
112	FTIR LAB	VCT-2	RB-1	PT-1					ACT-1	8'-6"	
114	SAMPLE PREP	VCT-2	RB-1	PT-1					ACT-1	8'-6"	
114	WET LAB	VCT-2	RB-1	PT-1					ACT-1	8'-6"	
115	CORRIDOR	VCT-1	RB-1	PT-1					ACT-1	8'-6"	
116	CORRIDOR	VCT-1	RB-1	PT-1					ACT-1	8'-6"	
117	CLEAN LAB	VCT-2	RB-1	PT-1					ACT-1	8'-6"	
118	STAFF LOUNGE	VCT-1	RB-1	PT-1					ACT-1	8'-6"	
119	STORAGE	VCT-1	RB-1	PT-1					ACT-1	8'-6"	
120	CLASSROOM	VCT-1,2	RB-1	PT-1					ACT-1	8'-6"	
121	HVAC 1 CLASSROOM	CONC	RB-1	PT-1					STR-1	8'-6"	
122	HVAC 2 CLASSROOM	CONC	RB-1	PT-1					STR-1	8'-6"	
123	MENS TOILET ROOM	CT-1	CTB-1	PT-5/CWT-1					GYP-1	8'-6"	
124	WOMENS TOILET ROOM	CT-1	CTB-1	PT-5/CWT-1					GYP-1	8'-6"	
125	CORRIDOR	VCT-1,3	RB-1		PT-3	PT-1	PT-4	PT-5,1	ACT-1	8'-6"	SEE FINISH PLANS FOR PLACEMENT
126	MECHANICAL ROOM		RB-1	PT-1					STR-1	8'-6"	
127	PUMP ROOM		RB-1	PT-1					STR-1	8'-6"	

ROOM FINISH SCHEDULE

NO SCALE 5

FLOOR FINISHES	BASE FINISHES	WALL FINISHES	CEILING FINISHES	MILLWORK
<p>VCT-1 VINYL COMPOSITION TILE</p> <p>LOCATION: GENERAL MFR/NAME/NO.: JOHNSONITE/AZROCK/V-214 COLOR: ASHES SIZE: 12"x12" REMARKS:</p>	<p>RB-1 RUBBER BASE</p> <p>LOCATION: GENERAL MFR/NAME/NO.: ROPPE COLOR: LUNAR DUST SIZE: 4" REMARKS:</p>	<p>PT-1 PAINT</p> <p>LOCATION: GENERAL MFR/NAME/NO.: BENJAMIN MOORE/ HC-172 COLOR: REVERE PEWTER FINISH: SATIN REMARKS:</p>	<p>ACT-1 ACCOUSTICAL CEILING TILE</p> <p>LOCATION: GENERAL MFR/NAME/NO.: USC/ OLYMPIA MICRO CLIMA PLUS PANELS/ 4231 COLOR: WHITE SIZE: 24"x24" GRID: 5/8"</p>	<p>PL-1 PLASTIC LAMINATE</p> <p>LOCATION: STUDENT & STAFF LOUNGE COUNTERS MFR/NAME/NO.: FORMICA/ ELEMENTAL CONCRETE/ 8830-58 COLOR: 8830-58; ELEMENTAL CONCRETE SIZE: REMARKS: MATCHING 3MM PVC EDGE BAND</p>
<p>VCT-2 VINYL COMPOSITION TILE</p> <p>LOCATION: GENERAL, LAB CLASSROOMS MFR/NAME/NO.: JOHNSONITE/AZROCK/V-220 COLOR: CAST PEWTER SIZE: 12"x12" REMARKS:</p>	<p>CTB-1 PORCELAIN TILE BASE</p> <p>LOCATION: RESTROOMS MFR/NAME/NO.: DAL TILE/RITTENHOUSE SQUARE/A-3361 PART #: COVE BASE: A-3361 COVE BASE CORNER: SCRL-3361 COLOR: DESERT GRAY/X114 SIZE: 3"x6" REMARKS:</p>	<p>PT-2 PAINT</p> <p>LOCATION: OFFICES, MULTIPURPOSE ROOM MFR/NAME/NO.: BENJAMIN MOORE/ HC-108 COLOR: SANDY HOOK GRAY FINISH: SATIN REMARKS:</p>	<p>GYP-1 PAINTED GYPSUM</p> <p>LOCATION: RESTROOMS MFR/NAME/NO.: TBD PAINT/FINISH: BENJAMIN MOORE/PT-1/SEMI GLOSS REMARKS:</p>	<p>PL-2 PLASTIC LAMINATE</p> <p>LOCATION: STAFF LOUNGE CASEWORK MFR/NAME/NO.: FORMICA/ ARTISAN COLLECTION/ 5886-43 COLOR: 5886-43 - NORREL CHERRY SIZE: REMARKS: BASE CABINETS ONLY</p>
<p>VCT-3 VINYL COMPOSITION TILE</p> <p>LOCATION: LOBBY MFR/NAME/NO.: JOHNSONITE/AZROCK/ TEXTILE V-289 COLOR: BERBER GRAY SIZE: 12"x24" REMARKS: REFER TO FINISH PLAN FOR INSTALLATION INSTALL STACKED GRID LENGTH TO BE RUNNING NORTH & SOUTH</p>		<p>PT-3 PAINT</p> <p>LOCATION: ACCENT @ MULTI-PURPOSE ROOM 102 MFR/NAME/NO.: BENJAMIN MOORE/ HC-168 COLOR: CHELSEA GRAY FINISH: SATIN REMARKS:</p>	<p>STR-1 EXPOSED STRUCTURE</p> <p>LOCATION: HVAC CLASSROOM I & II MFR/NAME/NO.: PAINT/FINISH: CLEAR WATERPROOF SEALANT REMARKS:</p>	<p>PL-3 PLASTIC LAMINATE</p> <p>LOCATION: INTERIOR DOORS MFR/NAME/NO.: FORMICA/ ARTISAN COLLECTION/ 5886-43 COLOR: 5886-43, NORREL CHERRY SIZE: REMARKS: 5886-43, NORREL CHERRY</p>
<p>CT-1 PORCELAIN TILE</p> <p>LOCATION: RESTROOMS MFR/NAME/NO.: DAL TILE/FLORENTINE/CARRARA-FLO6 COLOR: CARRARA FLO6 SIZE: 12"x24" GROUT/COLOR/SIZE: LATICRETE/SMOKE GREY 89/ 1/8" TILE PATTERN: HERRINGBONE REMARKS: ALIGN GROUT JOINTS TO WALL EDGES AND ADJ. TILE PATTERNS. AVOID CUT TILES AT ADJ. TILE PATTERNS, REFER TO FINISH PLAN FOR PATTERN.</p>		<p>PT-4 PAINT</p> <p>LOCATION: LOBBY MFR/NAME/NO.: PITTSBURGH PAINTS (PPG)/ 454-5 COLOR: BARTONE/ 454-5 FINISH: SATIN REMARKS:</p>		<p>TP-1 TOILET PARTITIONS</p> <p>LOCATION: RESTROOMS MFR/NAME/NO.: SCRANTON PRODUCTS/ CLASSIC COLLECTION COLOR/FINISH: BLACK/ ORANGE PEEL SIZE: HARDWARE: STEALTH HARDWARE/ FLOOR MOUNT W/ HEAD RAIL REMARKS:</p>
<p>CPT-1 CARPET TILE</p> <p>LOCATION: OFFICES, MULTI-PURPOSE ROOM MFR/NAME/NO.: SHAW CONTRACT/ TECHNIQUE/51022 COLOR: SUMAC/22504 SIZE: 24"x24" REMARKS: INSTALL MONOLITHIC PATTERN</p>		<p>PT-5 PAINT</p> <p>LOCATION: RESTROOM WALLS MFR/NAME/NO.: BENJAMIN MOORE/ HC-168 COLOR: CHELSEA GRAY FINISH: SEMI-GLOSS REMARKS:</p>		<p>QS-1 QUAZRTZ SURFACE</p> <p>LOCATION: RESTROOM COUNTERTOPS MFR/NAME/NO.: DUPONT/ZODIAQ/STORM GREY COLOR: STORM GREY SIZE: REMARKS:</p>
<p>CONC SEALED CONCRETE</p>		<p>CWT-1 GLAZED CERAMIC WALL TILE</p> <p>LOCATION: MEN'S & WOMEN'S RESTROOM MFR/NAME/NO.: DAL TILE/GLAZED CERAMIC/DTX114 COLOR: DESERT GRAY/X114 SIZE: 3"x6" TILE PATTERN: STACKED GRID GROUT: LATICRETE/SILVER SHADOW 88/ 1/8" TRIM/COLOR/NO: BULLNOS/DESERT GRAY/S-4369 (3X6) REMARKS: ALIGN GROUT JOINTS TO WALL EDGES AND ADJ. TILE PATTERNS. AVOID CUT TILES AT ADJ. TILE PATTERNS, REFER TO ELEVATIONS FOR PATTERN & HEIGHTS. TRIM HEIGHT AT 5'6" AFF. SEMI GLOSS PAINT, PT-6 ABOVE TRIM TO TERMINATE AT CEILING, GYP-1</p>		<p>CG-1 CORNER GUARDS</p> <p>LOCATION: ALL LOBBY & CORRIDOR CORNERS MFR/NAME/NO.: ACROYN COLOR: STAINLESS STEEL SIZE: REMARKS:</p>

MATERIAL AND FINISH SCHEDULE

NO SCALE 1

SYMBOL LIBRARY			
TOP VIEW	FRONT VIEW	SIDE VIEW	DESCRIPTION
			DATA/VOICE - WALL MOUNT
			DATA/VOICE - BENCH MOUNT
			ELECTRICAL CIRCUIT SYMBOL 120V - WALL MOUNT
			ELECTRICAL CIRCUIT SYMBOL 220V - BENCH MOUNT
			ELECTRICAL CIRCUIT SYMBOL 120V - BENCH MOUNT
			EYEWASH - BENCH MOUNT
			DOUBLE TURRET - BENCH MOUNT
			SINGLE TURRET - BENCH MOUNT
			VALVE - BENCH MOUNT
			HOT/COLD WATER (HCW) FAUCET
			DEIONIZED WATER (DI) FAUCET
			COLD WATER (CW) PANEL MOUNT (IN HOOD)
			CUP SINK (CS)
			EPOXY RESIN SINK
			PEGBOARD
			SNORKEL (ADJUSTABLE)
			DIRECT CONNECT
			EYEWASH/SAFETY SHOWER - FLOOR MOUNT
			FUMEHOOD
			HOOD ENCLOSURE
			TURRET - PANEL MOUNT (IN HOOD)
			VALVE
			FUME HOOD REMOTE CONTROL HANDLE USED AT FUME HOODS
			DOUBLE COLD WATER TURRET - BENCH MOUNT
			SINGLE COLD WATER TURRET - BENCH MOUNT

TURNKEY INSTALLATION SPECIFICATIONS:
(PROVIDED BY LABORATORY CASEWORK/FUME HOOD MANUFACTURER/SUBCONTRACTOR.)

- ERECTION**
- Take field measurements so that factory can fabricate tops and other items of equipment to fit space allotted.
 - Unload all items of laboratory equipment at jobsite.
 - Inspect all items for visible and concealed damage (report any damage to carrier). Inspect all tops for chips and breakage. Inventory all items (report shortages in writing).
 - Move to proper location where equipment is to be installed. Set, level, anchor and scribe to walls.
 - Furnish hangers, fasteners, compounds and silicones necessary to secure each piece of equipment to walls, floors and ceilings. Set mechanical fixtures, large sinks and cup sinks and electrical fixtures mechanically in place.
 - Supply and install base molding on laboratory equipment to match building cove molding.

- SANITARY DRAIN SYSTEM**
- Supply and install epoxy sinks, sink strainers, traps and drain line material from opening in sink to point of rough-in within each assembly.
 - Cup sinks shall be provided with APG traps; all other sinks shall be provided with non-siphoning APG drum traps.
 - RE to MEP Plans and Specifications for all drain line materials.

- SERVICE PIPING**
- Furnish service piping from shank on each fixture to point of rough-in.
 - Rough-in shall be provided with cut-off valve one time for each service within each assembly of equipment.

- ELECTRICAL**
- Furnish electrical conduit and wiring from each receptacle to junction box within each assembly. This includes interlocking blower with blower switch and light with light switch for fume hoods. Also includes disconnect switches and motor starters as required for each blower.
 - All wiring to be in accordance with the current issue of the National Electric Code and/or specifications for this project.

- DUCT AND BLOWER SYSTEM**
- Hoist in roof and duct flashing shall be provided as required by General Contractor.
 - Set exhaust blower(s) permanently in place, furnishing blower foundation and vibration isolators.
 - Furnish Fume Hood and exhaust BSC exhaust duct from collar on hood to blower and from blower to atmosphere. A Zero Static Pressure Loss Stack head (ZSPL) will be attached to the outlet of the exhaust fan.
 - RE to MEP Plans and Specifications for all exhaust duct material.
 - Perform fume hood certification in accordance with the ASHRAE / ANSI 29.5 procedure. Adjust exhaust blower to produce 100 fpm average face velocity. Submit hood certification chart on each hood to Owner. Attach one certification sticker to face of each hood.

- MISCELLANEOUS**
- Clean, test and adjust ready for use.
 - Remove all trash and put in dumpster, dumpster provided by others.
 - One year warranty on work.

- WORK BY OTHERS**
- Rough-in of services as noted.
 - Grounds in wall for support of wall cases or shelving.
 - Properly vented drain rough-ins.

CASEWORK / FUME HOOD SPECIFICATIONS

- CASEWORK**
- All Casework shown on the Plans and Elevations will be:
 - Wood Casework manufactured by Mott Manufacturing Co. or approved.
 - Cabinet Door and Drawer cores will be Particle Board Plywood.
 - Standard Overlay Reveal.
 - Standard front and back rail cabinets.
 - Standard full extension drawer slides.
 - Door & Cabinet Pulls - standard Option 62'
 - Door / Hinges - standard Option 20.
 - Door Pull - configuration 1; standard.
 - Door Systems - standard.
 - Lock Type - Option LK4. (ALL CABINETS AND DRAWERS WILL REQUIRE LOCKS)

- All casework Tops and Splashes will be modified epoxy resin.
- All tops will be factory cut for all necessary openings for all mechanical / electrical & plumbing fixtures.
- All mechanical / electrical & plumbing fixtures will be as shown on the MEP Drawings and Specifications.

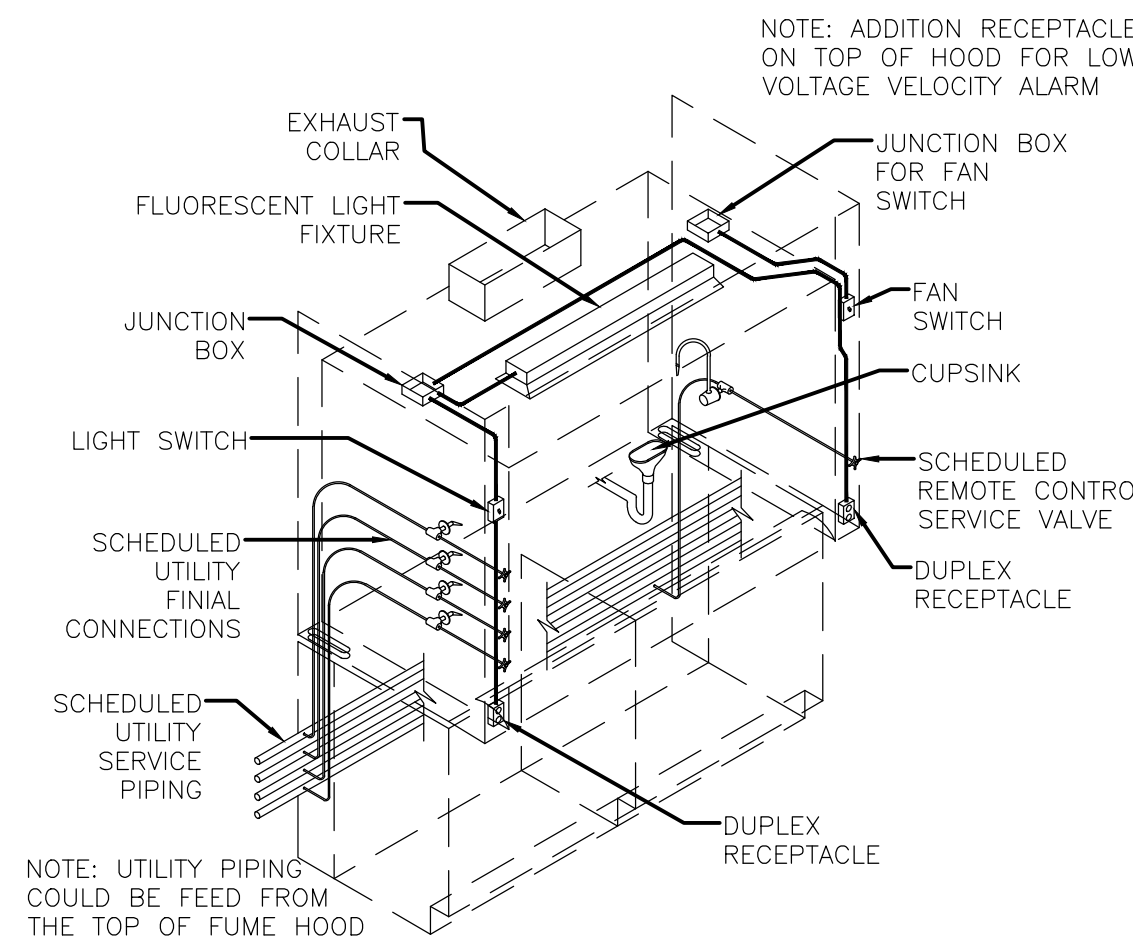
- Approved Wood Casework vendors are:
- Kewanee Scientific (Hallmark)
 - Halderman Homme

- All Exhaust Fume Hoods shown on the Plans and Elevations will be:
- Therma Scientific Hamilton / SafeAire II restricted bypass superstructure of approved equal
 - Fume Hood Size 72" unless noted otherwise.
 - Collar size 6" X 23"
 - 100 FPM vertical sash - 18" opening / 785 FPM - SP 0.13
 - All Fume Hoods shall have Ceiling Closure Panels provided by the Hood Manufacture. Coordinate height of closure panel with actual ceiling heights.

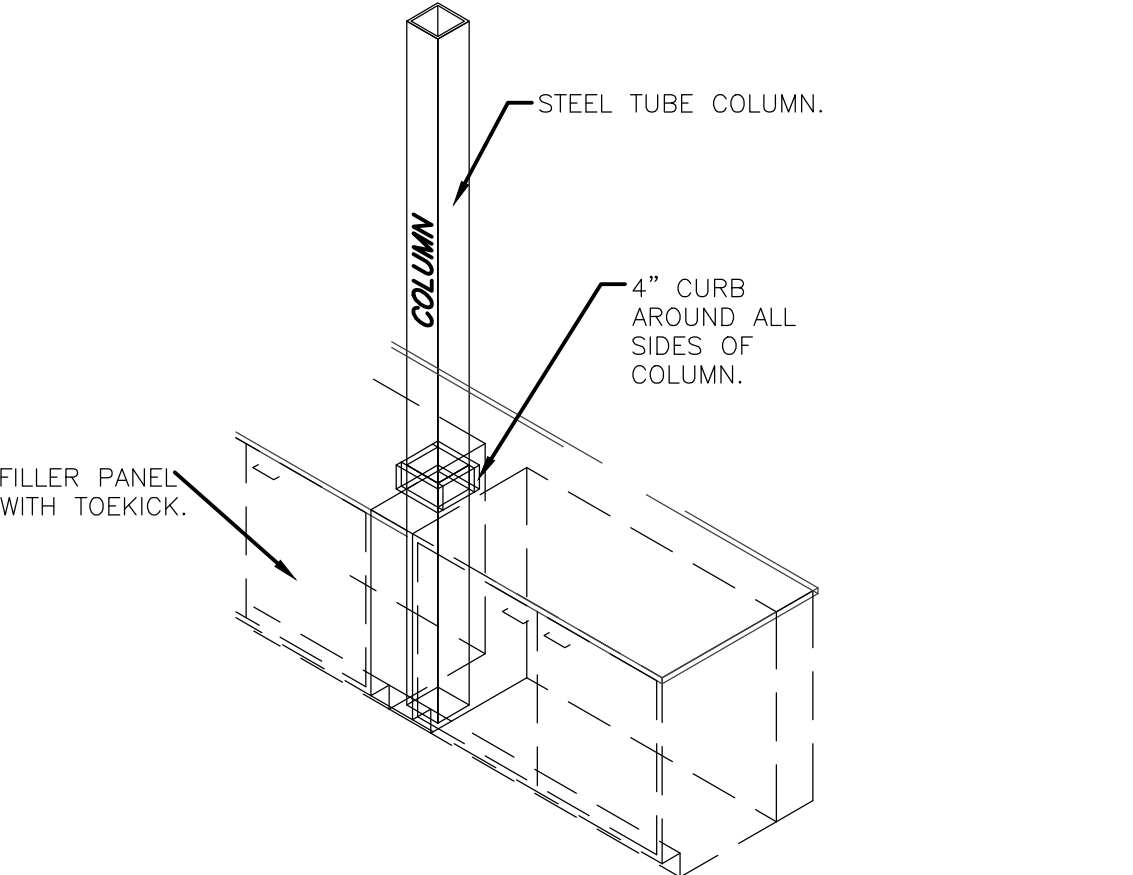
- All Fume Hood Tops and Splashes will be modified epoxy resin.
- All tops will be factory cut for all necessary openings for all mechanical / electrical & plumbing fixtures.
 - All mechanical / electrical & plumbing fixtures will be as shown on the MEP Drawings and Specifications.

- Approved Fume Hood vendors are:
- Mott Manufacturing Co.
 - Kewanee Scientific (Hallmark)

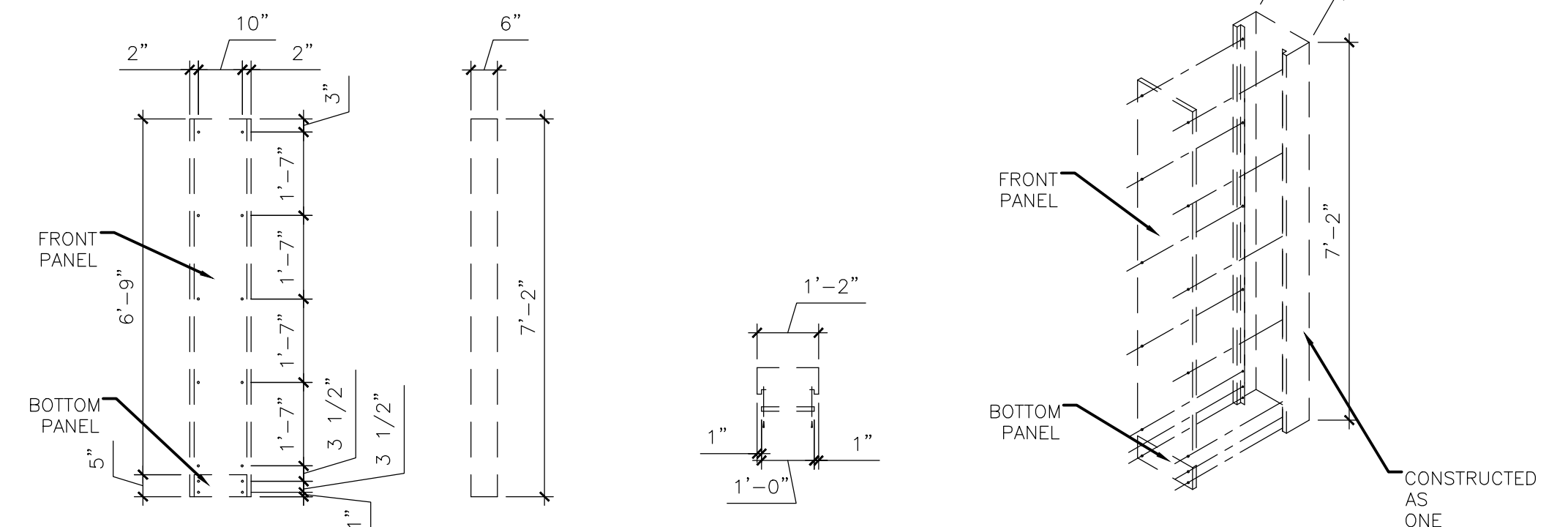
- All Biological Safety Cabinets shown on the Plans and Elevations will be:
- Labconco - Purifier Logic + Class II complete with hood and leg assemblies.
 - Include all lights, electrical outlets, stainless steel tops and surfaces.
 - BSC Hood to be ADA-Compliant and will include all service fixtures and utilities as shown on the MEP Drawings and Specifications.



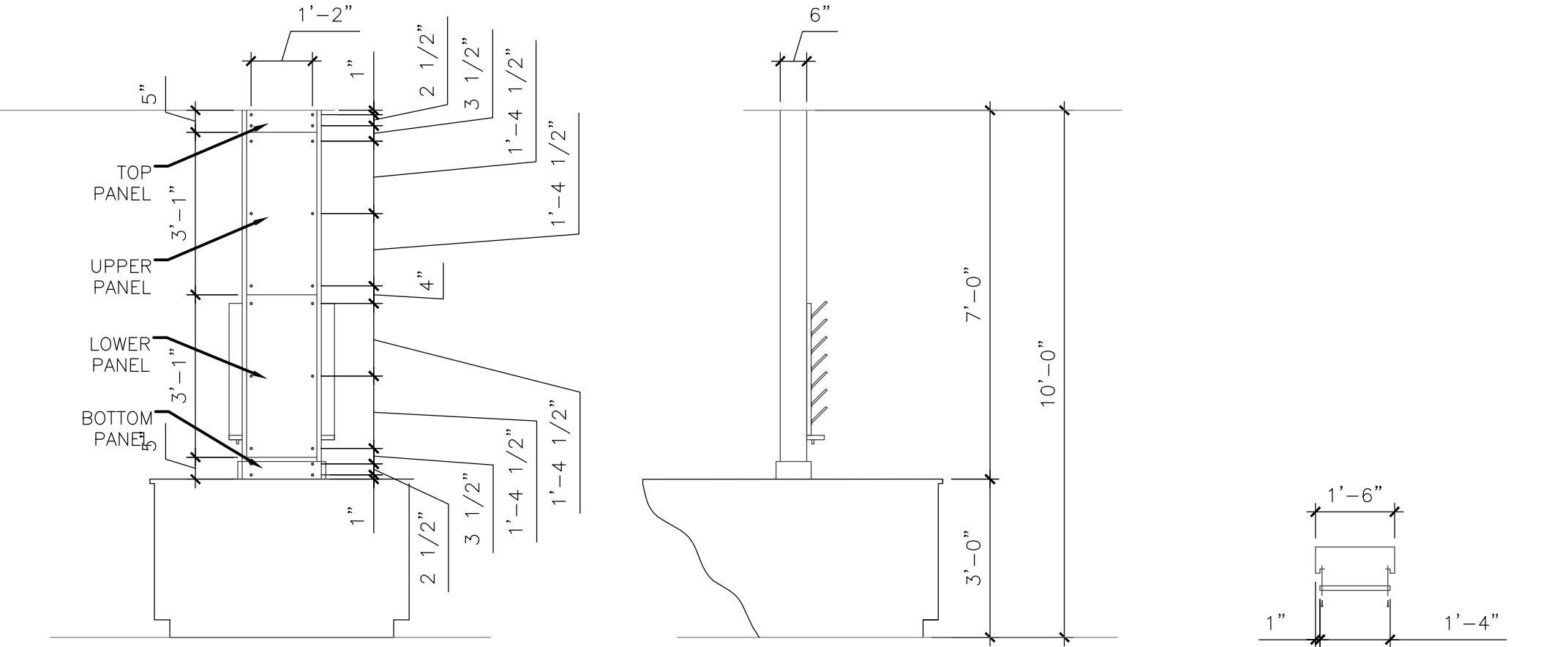
TYPICAL FUME HOOD UTILITY ARRANGEMENT SCALE = NTS



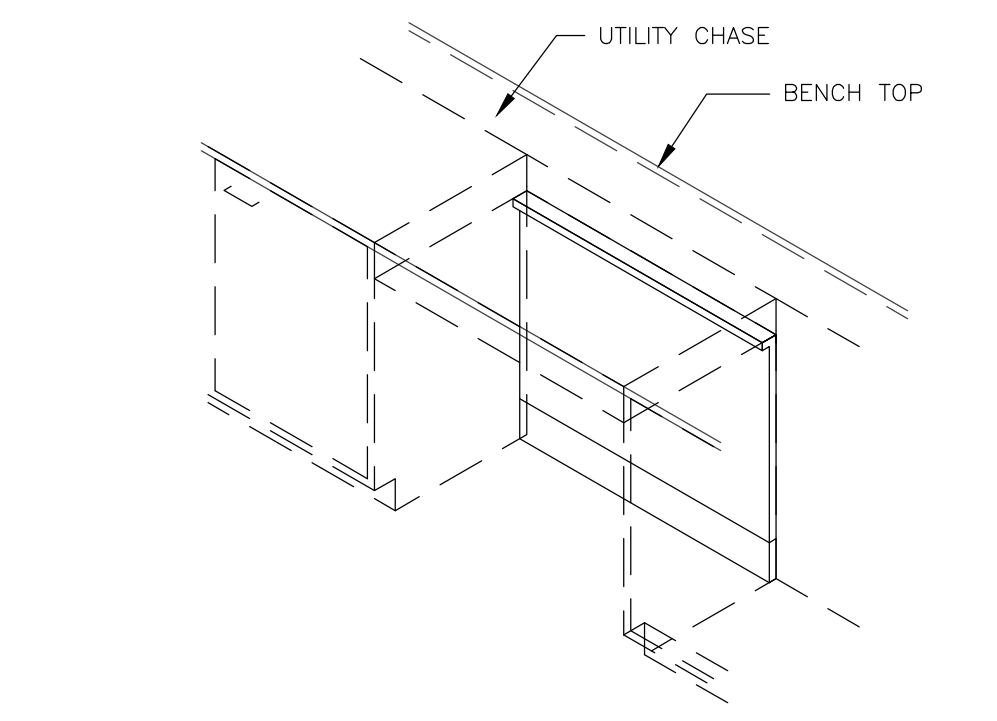
COLUMN/CASEWORK INTERSECTION SCALE = NTS



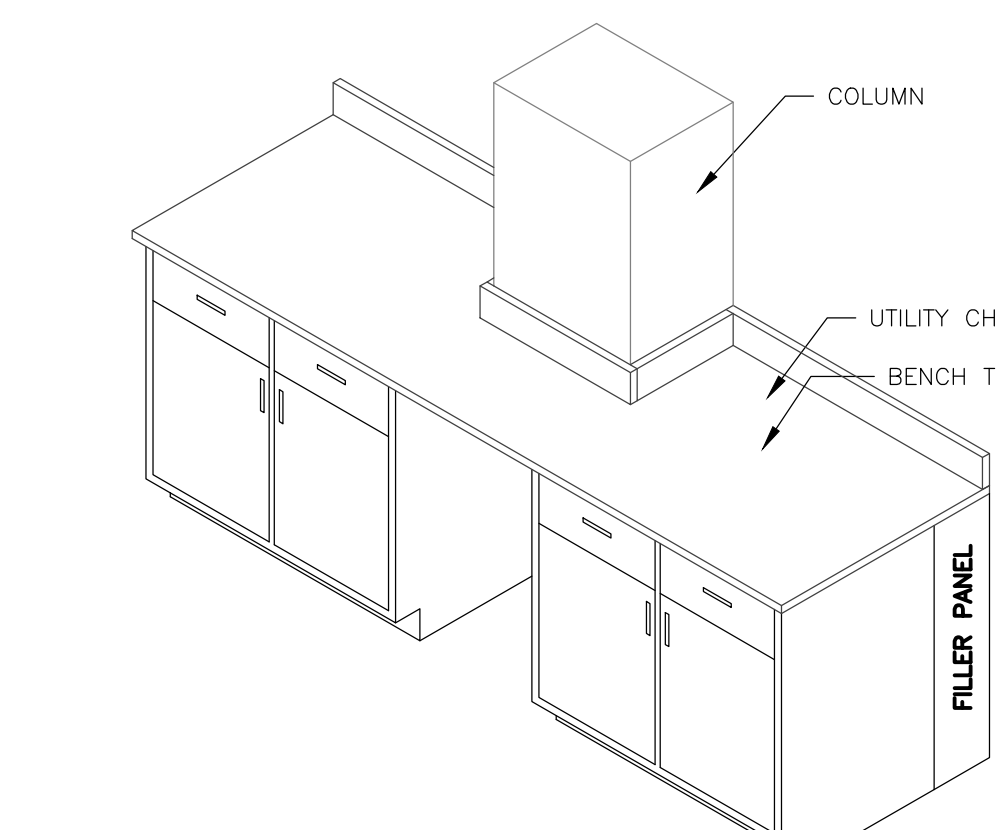
BENCH TOP TO CEILING UTILITY CHASE SCALE = NTS



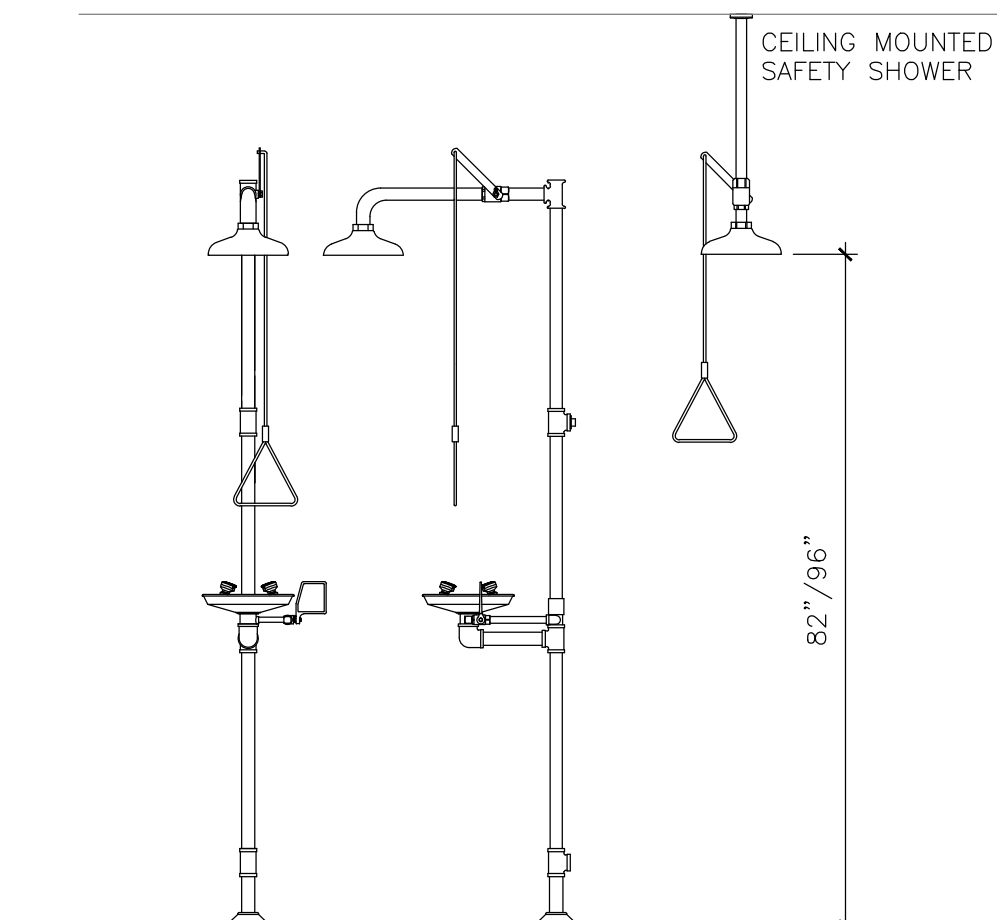
DETAIL - BENCHTOP TO CEILING UTILITY CHASE SCALE = NTS



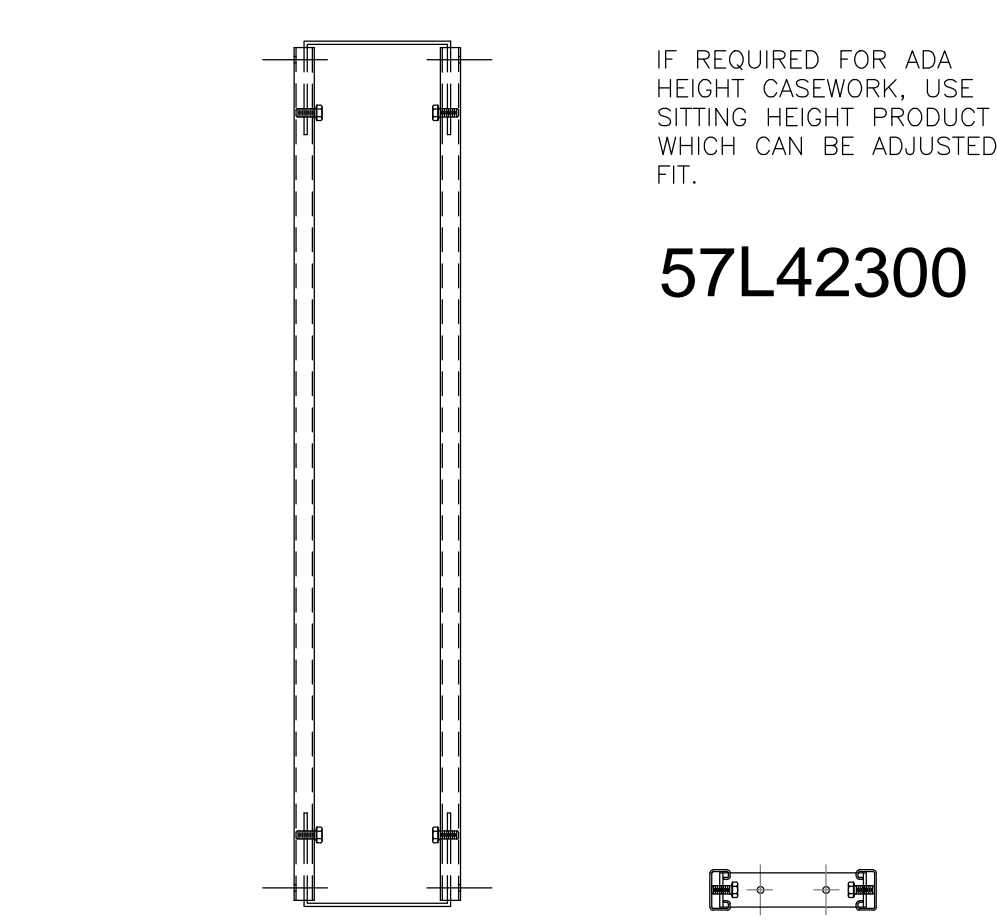
KNEE SPACE PANEL SCALE = NTS



KNEE SPACE PANEL COLUMN SCALE = NTS



SAFETY SHOWER / EYE WASH SCALE = NTS



STRUT ASSEMBLY SCALE = NTS

ISSUE LOG

NO.	DATE	DESCRIPTION
△	5-13-2013	ADDENDUM 1
△	5-23-2013	ADDENDUM 4

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SEAL:

PROJECT NAME :
SE CAMPUS WORK FORCE BUILDING LEVEL 3 RENOVATION
HOUSTON COMMUNITY COLLEGE
6815 RUSTIC AVE.,
HOUSTON, TX 77087



KEY MAP:

REVIEWED:

PROJECT MANAGER _____ SPONSORING DEPARTMENT _____

PROJECT MANAGER _____

CONSULTANT(S) :

DATE : APRIL 22, 2013
PROJECT NO.: R060112
SCALE : VARIES
DRAWN BY : JAW
CHECKED BY : TDS

SHEET TITLE :

SCHEDULE, LEGENDS & GENERAL NOTES

SHEET NO. : **A4.01**