

# RENOVATION FOR: PLEASURE RIDGE PARK FIRE STATION 1

4500 KERRICK LN.  
LOUISVILLE, KY 40258



PROJECT INFORMATION	
<b>APPLICABLE BUILDING CODES</b>	
BUILDING CODE	KBC 2018
ACCESSIBILITY CODE	ADA 2010 2009 ANSI 117.1
ENERGY CODE	2010 IECC
<b>USE AND OCCUPANCY:</b> MIXED USE BUILDING BUSINESS, R-2, S-2.	
<b>CONSTRUCTION TYPE:</b> V-8	
<b>BUILDING INFORMATION:</b> RENOVATION AND ADDITIONS	
EXISTING BUILDING:	8,495.5 S.F.
BUILDING ADDITION:	3,221.3 S.F.
ALTERNATE #1:	774.8 S.F.
TOTAL BUILDING SIZE:	16,487.90 S.F.
FIRE SUPPRESSION: FULLY SPRINKLED (COMBINATION WET & DRY SYSTEM) PER NFPA-13	

OCCUPANCY ALLOWANCE			
FUNCTION OF SPACE	ALLOWANCE	AREA	OCCUPANCY
BUSINESS/VISITORS	2 OFFICERS	3,580	4
RESIDENTIAL-2	10 STAFF	2,696	10
STORAGE-2	FIRE BAYS	6,201	0
TOTAL OCCUPANCY ALLOWANCE:			14

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## ARCHITECT:

KEYES ARCHITECTS AND ASSOCIATES  
3005 TAYLOR BOULEVARD  
LOUISVILLE, KENTUCKY 40208  
PH: (502) 636-5113  
CONTACT: CHARLES J. KEYES III  
EMAIL: ckeyes@keyesarchitects.com  
ARCHITECT: CHARLES J. KEYES III

## SURVEYOR/CIVIL ENGINEER

LJB INC. CIVIL DESIGNER SURVEYOR  
4010 DUPONT CIRCLE  
SUITE 478. LOUISVILLE, KY. 40207  
PH: (502) 899-9611  
CONTACT: KARL A. LENTZ IV  
EMAIL: klentz@ljbinc.com

## MECH. & ELEC. ENGINEER

E.C. ENGINEERING, INC.  
P.O. BOX 91977  
LOUISVILLE, KY. 40291  
PH: (502) 494-4219  
CONTACT: ERNIE CRUSE  
EMAIL: ecruse@engtgt.com

## OWNER

PLEASURE RIDGE PARK FIRE DISTRICT  
9500 STONESTREET ROAD  
LOUISVILLE, KY. 40272  
PH: (502) 935-3878  
CONTACT: MAJOR ALLEN RICHARD  
EMAIL: arichard@prpfire.org

## PLUMBING DESIGN

DOUBLE "S" DESIGNS  
3317 PIONEER TRAIL  
SHEPERSVILLE, KY. 40165  
PH: (502) 664-7936  
CONTACT: SONNY SKIDMORE  
EMAIL: doublesdesignservice@gmail.com

## GEOTECHNICAL ENGINEER

GREENBAUM ASSOCIATES, INC.  
994 LONGFIELD AVENUE  
LOUISVILLE, KY. 40215  
PH: (502) 361-8447  
CONTACT: Sandor R. Greenbaum, P.E.  
EMAIL: srg@geo-engineers.com

## STRUCTURAL ENGINEER

RICHARD BARRIOS, CONSULTING ENGINEER  
10212 WORTHINGTON LANE  
PROSPECT, KY 40059  
PH: (502) 873-5741  
CONTACT: RICHARD BARRIOS  
EMAIL: rbarrios6@att.com

**UTILITY NOTE**

ALL UTILITIES SHOWN ON THESE PLAN ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER "B.U.D." (TOLL FREE PHONE NO. 1-800-752-6007) FORTY EIGHT HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (I.E. STORM, SANITARY, TELECOMMUNICATION LINES, ELECTRIC WIRES, GAS, AND WATERLINES). THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL EXISTING UTILITY LOCATIONS AND STRUCTURES LOCATED IN OR ADJACENT TO THE PROJECT WORK AREA. THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLAN ARE TAKEN FROM EXISTING RECORDS AND OBSERVED FIELD EVIDENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING UTILITY LOCATIONS. THE EXISTING UTILITIES SHOWN ON THE PLAN ARE FOR THE CONVENIENCE OF CONTRACTOR ONLY, AND NO RESPONSIBILITY IS ASSUMED BY EITHER OWNER OR ENGINEER FOR THEIR ACCURACY OR COMPLETENESS.

**EROSION PREVENTION AND SEDIMENT CONTROL NOTES**

THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND-DISTURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATIONS TO THE APPROVED EPSC PLAN MUST BE REVIEWED AND APPROVED BY MSD'S PRIVATE DEVELOPMENT REVIEW OFFICE. EPSC BMP'S SHALL BE INSTALLED PER THE PLAN AND MSD STANDARDS. DETENTION BASINS, IF APPLICABLE, SHALL BE CONSTRUCTED FIRST AND SHALL PERFORM AS SEDIMENT BASINS DURING CONSTRUCTION UNTIL THE CONTRIBUTING DRAINAGE AREAS ARE SEEDDED AND STABILIZED. ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOIL TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAILY. SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCE. ALL STREAM CROSSINGS MUST UTILIZE LOW-WATER CROSSING STRUCTURES PER MSD STANDARD DRAWING ER-02. WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED. SEDIMENT-LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING OR OTHER EXCAVATION ACTIVITIES SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGE INTO A STREAM, POND, SWALE OR CATCH BASIN.



**SAFETY NOTE**

The Contractor shall comply with the U.S. Dept of Labor Safety and Health regulations for construction promulgated under the Occupational Safety and Health Act of 1970 (P.L. 91-596) and under Section 107 of the Contract Work Hours and Safety Standards Act (P.L. 91-54). During all phases of this project (including excavations or trenching) the Contractor shall be responsible for safety at all times.

**GENERAL NOTES**

1. COMPATIBLE UTILITY LINES (ELECTRIC, PHONE, CABLE) SHALL BE PLACED IN COMMON TRENCH UNLESS OTHERWISE REQUIRED BY THE APPROPRIATE AGENCIES.
2. THE DEVELOPMENT LIES IN THE PLEASURE RIDGE PARK FIRE DISTRICT.
3. MITIGATION MEASURES FOR DUST CONTROL SHALL BE IN PLACE DURING CONSTRUCTION TO PREVENT FLUGITIVE PARTICULATE EMISSIONS FROM REACHING EXISTING ROADS AND NEIGHBORING PROPERTIES.
4. MOSQUITO CONTROL IN ACCORDANCE WITH CHAPTER 96 OF THE LOUISVILLE JEFFERSON COUNTY METRO ORDINANCES.

**MSD NOTES**

1. CONSTRUCTION PLANS AND DOCUMENTS SHALL COMPLY WITH LOUISVILLE AND JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT DESIGN MANUAL AND STANDARD SPECIFICATIONS AND OTHER LOCAL, STATE, AND FEDERAL ORDINANCES.
2. NO PORTION OF THE SUBJECT PROPERTY IS LOCATED IN THE 100 YEAR FLOODPLAIN PER FIRM MAP 2111C0089E DATED DEC. 5, 2006.
3. SANITARY SEWER SERVICE TO BE PROVIDED BY EXISTING SANITARY SEWER SERVING THE SITE. NO ADDITIONAL SANITARY SERVICE REQUIRED FOR THIS PROJECT. SITE SERVICED BY MORRIS FORMAN WOTC.
4. THE PROJECT IS SUBJECT TO MS4 WATER QUALITY REGULATIONS ONCE THE INCREMENTAL AREA OF DISTURBANCE SUMS EQUAL TO OR GREATER THAN 1 ACRE OF DISTURBANCE. PER THIS COMMUNITY FACILITY REVIEW PLAN, THE APPROXIMATE AREA OF DISTURBANCE IS 10,0058 SF (0.23 ACRES)
5. STORMWATER TO BE DIRECTED TO THE EXISTING DRAINAGE SYSTEM.

# SITE CONSTRUCTION PLANS FOR PROPOSED BUILDING EXPANSION: PLEASURE RIDGE PARK FIRE STATION #1

4500 KERRICK LANE  
LOUISVILLE, KY. 40258



LOCATION MAP  
NOT TO SCALE

**INDEX OF DRAWINGS**

- C1.0 - DEMOLITION PLAN
- C2.0 - LAYOUT, GRADING, DRAINAGE, & EPSC PLAN
- C3.0 - DETAIL SHEET

**OWNER**  
PLEASURE RIDGE PARK FIRE DISTRICT  
4500 KERRICK LANE  
LOUISVILLE, KY. 40258  
D.B. 5924, PG. 390  
PARCEL ID: 10320464000

PUBLIC WORKS METROPOLITAN PUBLIC WORKS 444 S. 5th STREET, Suite 500 LOUISVILLE, KENTUCKY 40203 PHONE: 502-574-5810	STORM & SANITARY SEWER METROPOLITAN SEWER DISTRICT (MSD) 700 WEST LIBERTY STREET LOUISVILLE, KENTUCKY 40203 PHONE: 502-540-6000
PLEASURE RIDGE PARK FIRE DISTRICT 4500 KERRICK LANE LOUISVILLE, KENTUCKY 40217 PHONE: 502-935-1932	CABLE TELEVISION SPECTRUM 10168 LINN STATION ROAD, Suite 120 LOUISVILLE, KENTUCKY 40223 PHONE: 502-664-8155
TELEPHONE AT&T COMMUNICATION 3719 BARDSTOWN ROAD, FLOOR 2 LOUISVILLE, KENTUCKY 40218 PHONE: 502-8665	WATER LOUISVILLE WATER COMPANY 550 SOUTH 3RD STREET LOUISVILLE, KENTUCKY 40202 PHONE: 502-569-33600
TELECOMMUNICATIONS VERIZON 2421 HOLLOWAY ROAD LOUISVILLE, KENTUCKY 40299 PHONE: 502-593-5585	KTC-DIXIE HIGHWAY KENTUCKY TRANSPORTATION CABINET PERMITS, DISTRICT 5 LOUISVILLE CONTACT: JASON RICHARDSON PHONE: 502-210-5400
NATURAL GAS LOUISVILLE GAS AND ELECTRIC 6900 Enterprise Drive LOUISVILLE, KENTUCKY 40214 Auburdale Service Center PHONE: 502-384-8239	ELECTRIC LOUISVILLE GAS AND ELECTRIC 6900 Enterprise Drive LOUISVILLE, KENTUCKY 40214 Auburdale Service Center PHONE: 502-384-8239

EXISTING IMPERVIOUS	INCREASE IMPERVIOUS	TOTAL IMPERVIOUS
50,960 SQ.FT.	1,375 SQ.FT.	52,335 SQ.FT.

2.70 % INCREASE  
AREA OF DISTURBANCE = 10,058 SQ.FT. (0.23 ACRES)

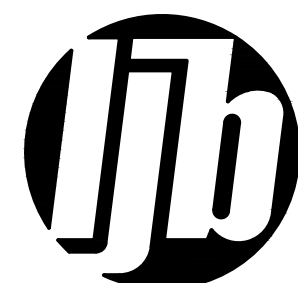
**RECAPITULATION**

1. EXISTING ZONING C2
2. FORM DISTRICT SUBURBAN MARKETPLACE
3. EXISTING USE FIRE STATION
4. LAND AREA 1.68 ACRES (73,296.29 SQ.FT.)
5. BUILDING AREA
  - A. EXISTING BLDG #1 & #2 14,715 SQ.FT.
  - B. PROPOSED 3,172 SQ.FT. (21.6% INCREASE)
  - TOTAL = 17,887 SQ.FT.
6. PARKING
  - A. REQUIRED - 15 EMPLOYEES / 3 FIRE VEHICLES (APPARATUS)
 

MINIMUM SPACES REQUIRED	MAXIMUM SPACES ALLOWED
1 SPACE FOR EACH 2 EMPLOYEES ON THE MAXIMUM SHIFT, PLUS 3 SPACES.	1 SPACE FOR EACH EMPLOYEE ON THE MAXIMUM SHIFT, PLUS 3 ADDITIONAL SPACES.
4 SPACES FOR EACH PIECE OF APPARATUS.	6 SPACES FOR EACH PIECE OF APPARATUS.
11 SPACES - EMPLOYEES	18 SPACES - EMPLOYEES
12 SPACES - APPARATUS	18 SPACES - APPARATUS
23 SPACES - MIN. REQUIRED	36 SPACES - MAX. REQUIRED
  - B. PROVIDED 23 SPACES TOTAL W/ 4 HANDICAP SPACES
7. VUA 31,675 SQ.FT.
8. ILA NOT REQUIRED



**LJB INC.**  
4010 Dupont Circle  
Suite 478  
Louisville, Ky 40207  
(502) 899-9611  
LJBinc.com



BENCHMARK: LOJIC MONUMENT - GREENWOOD2  
ELEVATION = 455.90 (NAVD88)

SITE BECHMARK: EXISTING SANITARY MANHOLE #89,537  
RIM ELEVATION = 452.60 (NAVD88)


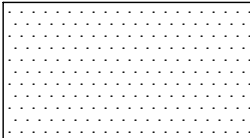

REVISED

PROJECT NO.: 0119463A.00  
DRAWING NAME: PRP FIRE-COV.DWG 1/15/2021 WM#2429

**GENERAL DEMOLITION NOTES:**

1. ALL MATERIALS REMOVED FROM THE SITE SHALL BE DISPOSED OF IN AN APPROVED WASTE DISPOSAL SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND FEES ASSOCIATED WITH DISPOSAL OF WASTE MATERIALS.
2. COORDINATE WITH THE APPLICABLE UTILITY COMPANIES ON THE DISCONNECT, REMOVAL, ABANDONMENT, AND/OR RELOCATION OF EXISTING UTILITY SERVICE LINES ON THE SITE.
3. ALL UTILITY LINES TO BE ABANDONED IN PLACE, AND ANY OTHER PIPING, CONDUITS, ETC. ENCOUNTERED SHALL BE REMOVED TO A POINT 18" BELOW THE PROPOSED GRADE AND PLUGGED.
4. THE CONTRACTOR SHALL MAKE ALL PROVISIONS TO ASSURE ALL UTILITY MANHOLES, LIDS, VALVES, ETC. (LOCATED HEREON OR NOT) ARE PROPERLY ADJUSTED TO THE GRADES ESTABLISHED BY THIS PROJECT.
5. FILL BELOW GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION ACTIVITIES IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL EXPLORATION REPORT.

**DEMOLITION LEGEND:**

-  EXISTING ASPHALT PAVEMENT TO BE REMOVED - 3,350 SQ. FT.
-  EXISTING CONCRETE SIDEWALK BE REMOVED - 990 SQ. FT.
-  EXISTING CONCRETE CURB BE REMOVED - 150 L.F.

**DEMOLITION KEY NOTES:**

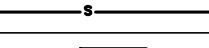

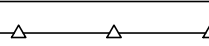
- 1 SAW CUT EXISTING ASPHALT PAVEMENT WHERE INDICATED ON PLAN.
- 2 REMOVE ASPHALT PAVEMENT WHERE INDICATED ON PLAN.
- 3 REMOVE EXISTING SIDEWALK & CURBING WHERE INDICATED ON PLAN.
- 4 REMOVE EXISTING FLAGPOLE - RELOCATE WHERE SHOWN PER SHEET C2.0.
- 5 REMOVE EXISTING LIGHT POLE - RELOCATE WHERE SHOWN PER SHEET C2.0.
- 6 REMOVE EXISTING SHRUBS WHERE INDICATED ON PLAN.

**ESPC DEMOLITION SEQUENCE**

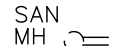



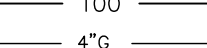


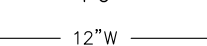


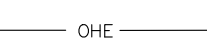
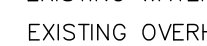













1. MEETING WITH MSD INSPECTOR PRIOR TO ESPC INSTALLATION.
2. INSTALL SILT FENCE, SILT DIKE & STORM INLET PROTECTION.
3. PERFORM SITE DEMOLITION.
4. PERFORM SITE CONSTRUCTION
5. REMOVE SILT FENCE AFTER CONSTRUCTION AND VEGETATIVE COVER IS ESTABLISHED.
6. ALL BMP'S SHALL BE INSPECTED WITHIN 24 HOURS OF A RAINFALL EVENT PRODUCING 1/2 INCH OR MORE OF RAIN. REPAIRS MUST BE MADE BEFORE CONSTRUCTION MAY RESUME.

THE EROSION PREVENTION AND SEDIMENT CONTROL DEVICES SHOWN ON THIS PLAN SET ARE INTENDED TO BE THE MINIMUM CONTROL MEASURES. ADDITIONAL ESPC DEVICES MAY NEED TO BE INSTALLED AS NECESSARY BY THE CONTRACTOR TO PREVENT EROSION AND SEDIMENTATION.

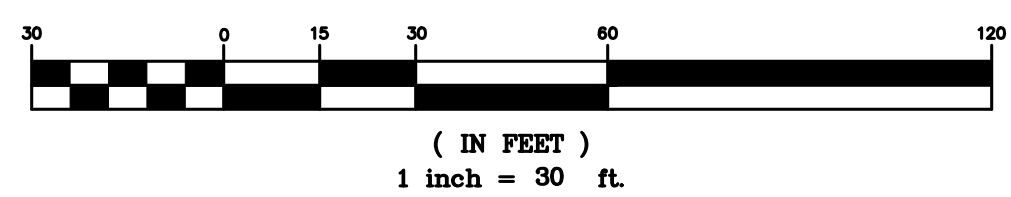
AT THE END OF EACH WORK DAY SITE SHALL BE CLEANED OF SEDIMENT AND DEBRIS. DISTURBED AREAS SHALL HAVE SILT CONTROL INSTALLED OR WILL BE STABILIZED SO THAT SEDIMENT WILL NOT GET OFF SITE OR INTO STORM SYSTEM DURING A RAIN EVENT.

EROSION AND SEDIMENT CONTROL DETAIL LEGEND		
SYMBOL	DESCRIPTION	MSD STD DWG NO.
	SILT FENCE	EF-09-02
	STONE BAG INLET PROTECTION OR DANDY BAG	EF-03-02
	TRIANGULAR SILT DIKE (OR APPROVED EQUAL)	SEE DETAIL SHEET 2 OF 2

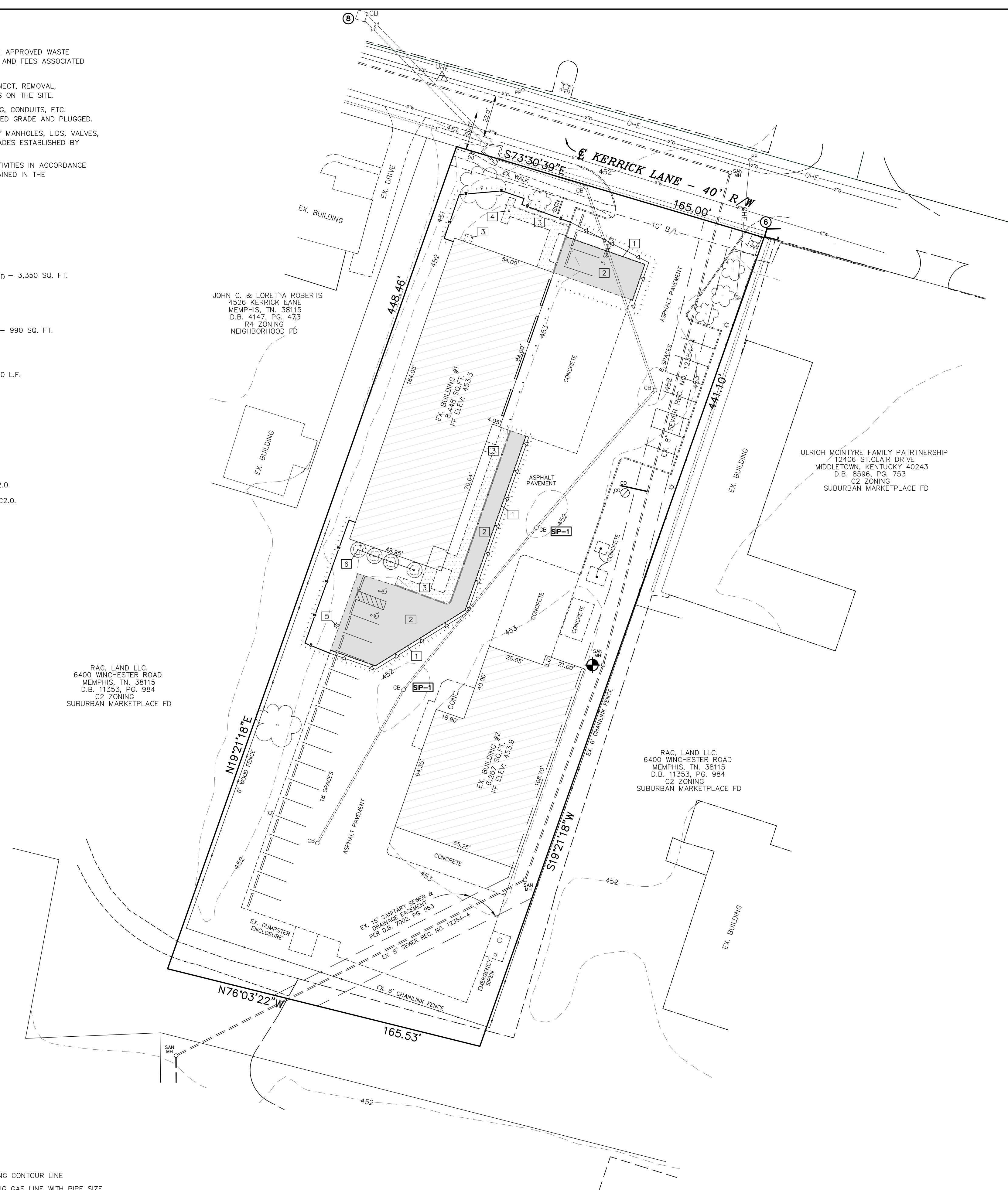
**LEGEND**

- |  |   |  |       |   |                                    |
|--|---|--|-------|---|------------------------------------|
|  | EXISTING SEWER LINE AND MANHOLE         |                             | 100'  |  | EXISTING CONTOUR LINE              |
|  | EXISTING WATER VALVE                    |  | 4"    |  | EXISTING GAS LINE WITH PIPE SIZE   |
|  | EXISTING GAS VALVE                      |  | 12"   |  | EXISTING WATER LINE WITH PIPE SIZE |
|  | EXISTING GUY WIRE                       |                             | OHE   |  | EXISTING OVERHEAD ELEC. WIRE       |
|  | EXISTING GUY POLE                       |                             | UGT   |  | EXISTING OVERHEAD TELE. WIRE       |
|  | EXISTING CATCH BASIN                    |                             | ----- |  | AREA OF DISTURBANCE (0.756 ACRES)  |
|  | FIRE HYDRANT                            |  |       |   |                                    |
|  | GAS METER                               |  |       |   |                                    |
|  | WATER METER                             |  |       |   |                                    |
|  | EXISTING POWER POLE                     |  |       |   |                                    |
|  | EXISTING TELE POLE                      |  |       |   |                                    |
|  | DRAINAGE FLOW DIRECTION                 |  |       |   |                                    |
|  | EXISTING 6" PROPERTY SERVICE CONNECTION |  |       |   |                                    |

**GRAPHIC SCALE**



 SITE BECHMARK: EXISTING SANITARY MANHOLE #89,537  
RIM ELEVATION = 452.60 (NAVD88)



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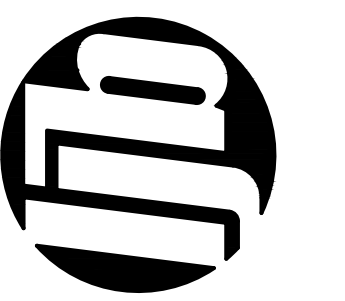
**REVISIONS:**




DRWN BY: *KAL/DLL*

CHKD BY: *EMH*

DRAWING NAME:  
PRP FIRE.DWG



**LJB INC.**  
4010 Dupont Circle  
Suite 478  
Louisville, Ky 40207  
(502) 899-9611  
LJBinc.com

**PLEASURE RIDGE PARK FIRE STATION #1**  
4500 KERRICK LANE - LOUISVILLE, KENTUCKY 40258

DATE: 1/15/2021

PROJECT NO.:  
0119463A.00

Sheet **C1.0**

PIPE NO.	UPSTREAM STRUCTURE NO.	DOWNSTREAM STRUCTURE NO.	LOCAL DRAINAGE AREA	TOTAL DRAINAGE AREA	LOCAL C FACTOR	TOTAL C FACTOR	Tc (m/s)	I10	O10	I100	O100	LENGTH (feet)	PIPE SIZE (inches)	SLOPE (ft/ft)	PIPE CAPACITY (cfs)	V 10 (fps)	HW 100 (feet)
1 (EXISTING)	2 (EXISTING)	0.23	0.92	0.92	10.00	5.30	1.12	7.20	1.52	90	10 (EXISTING)	0.0035	1.52	*	*	*	
2 (EXISTING)	3 (EXISTING)	0.19	0.42	0.92	10.00	5.30	2.05	7.20	2.78	106	10 (EXISTING)	0.0035	1.52	*	*	*	
3 (EXISTING)	4 (EXISTING)	0.25	0.67	0.88	10.00	5.30	3.20	7.20	4.34	92	10 (EXISTING)	0.0040	1.63	*	*	*	
4 (EXISTING)	5 (EXISTING)	0.24	0.91	0.86	10.00	5.30	4.24	7.20	5.77	108	12 (EXISTING)	0.0035	2.48	*	*	*	
5 (EXISTING)	7 (EXISTING)	0.00	0.91	0.88	10.00	5.30	4.24	7.20	5.77	46	12 (EXISTING)	0.0087	3.91	*	*	*	
6 (EXISTING)	7 (EXISTING)	1.86	1.86	0.81	0.81	10.00	5.30	7.88	7.20	19.85	24 (EXISTING)	0.0053	19.42	3.7	1.15		
7 (EXISTING)	8 (EXISTING)	1.63	4.40	0.52	0.71	10.00	5.30	16.56	7.20	22.49	166	24x37 (EXISTING)	0.0058	36.86	3.7	1.15	

\*NOTE: A PORTION OF THE EXISTING ON-SITE DRAINAGE SYSTEM (PIPES 1, 2, 3, 4, 5, 6, 7, 8) DO NOT HAVE ADEQUATE CAPACITY TO CONVEY THE 10-YEAR POST DEVELOPMENT DISCHARGE PER SECTION 10.3.1.1 OF THE LOUISVILLE MSD DESIGN MANUAL. THE EXISTING ASPHALT PAVEMENT AREA ACTS AS A SAFE AND ADEQUATE OVERFLOW PATH WHEN THE DRAINAGE SYSTEM'S DESIGN STORM IS EXCEEDED. THE OVERFLOW PATH DOES NOT IMPACT OR CREATE UNSAFE CONDITIONS AT ANY EXISTING OR PROPOSED STRUCTURE, ROAD, TRAVELWAY, OR WALKWAY. THE MAXIMUM PONDING DEPTH DOES NOT EXCEED 12" WITHIN THE PAVEMENT AREA AS SHOWN PER EXISTING SPOT ELEVATIONS - THIS SHEET. AS SHOWN PER THE PIPE CHART CALCULATIONS THE EXISTING DRAINAGE SYSTEM HAS CAPACITY TO CONVEY THE OVERLAND FLOWS OF THE 10 AND 100-YEAR POST DEVELOPMENT DISCHARGE PER LOUISVILLE MSD DESIGN MANUAL STANDARDS.

**EXISTING DRAINAGE STRUCTURE LEGEND**

- ① EXISTING CATCH BASIN  
GRATE ELEVATION: 452.07  
INVERT ELEVATION: 449.39 (10"PIPE)
- ② EXISTING CATCH BASIN  
GRATE ELEVATION: 451.62  
INVERT ELEVATION: 449.07 (10"PIPE)
- ③ EXISTING CATCH BASIN  
GRATE ELEVATION: 451.84  
INVERT ELEVATION: 448.70 (10"PIPE)
- ④ EXISTING CATCH BASIN  
GRATE ELEVATION: 451.60  
INVERT ELEVATION: 448.38 (10"PIPE & 12"RCP)
- ⑤ EXISTING JUNCTION BOX  
RIM ELEVATION: 452.20  
INVERT ELEVATION: 448.00 (12"RCP)
- ⑥ EXISTING HEADWALL  
INVERT ELEVATION: 448.70 (24"RCP)
- ⑦ EXISTING DRAINAGE BOX  
GRATE ELEVATION: 451.60  
INVERT ELEVATION: 447.95 (24"RCP)  
INVERT ELEVATION: 447.60 (12" & 24"X 37"RCP)
- ⑧ EXISTING CATCH BASIN  
GRATE ELEVATION: 449.55  
INVERT ELEVATION: 446.63 (24"X 37"RCP)

**EXISTING DRAINAGE PIPE LEGEND**

- △ EXISTING 90 LF OF 10" PIPE @ 0.35% SLOPE
- △ EXISTING 106 LF OF 10" PIPE @ 0.35% SLOPE
- △ EXISTING 92 LF OF 10" PIPE @ 0.40% SLOPE
- △ EXISTING 108 LF OF 12" RCP @ 0.35% SLOPE
- △ EXISTING 46 LF OF 12" RCP @ 0.87% SLOPE
- △ EXISTING 142 LF OF 24" RCP @ 0.53% SLOPE
- △ EXISTING 166 LF OF 24"X 37" RCP @ 0.58% SLOPE

**ESPC CONSTRUCTION SEQUENCE**

1. MEETING WITH MSD INSPECTOR PRIOR TO ESPC INSTALLATION.
2. INSTALL SILT FENCE, SILT DIKE & STORM INLET PROTECTION.
3. PERFORM SITE DEMOLITION.
4. PERFORM SITE CONSTRUCTION.
5. REMOVE SILT FENCE AFTER CONSTRUCTION AND VEGETATIVE COVER IS ESTABLISHED.
6. ALL BMP'S SHALL BE INSPECTED WITHIN 24 HOURS OF A RAINFALL EVENT PRODUCING 1/2 INCH OR MORE OF RAIN. REPAIRS MUST BE MADE BEFORE CONSTRUCTION MAY RESUME.

THE EROSION PREVENTION AND SEDIMENT CONTROL DEVICES SHOWN ON THIS PLAN SET ARE INTENDED TO BE THE MINIMUM CONTROL MEASURES. ADDITIONAL ESPC DEVICES MAY NEED TO BE INSTALLED AS NECESSARY BY THE CONTRACTOR TO PREVENT EROSION AND SEDIMENTATION.

AT THE END OF EACH WORK DAY SITE SHALL BE CLEANED OF SEDIMENT AND DEBRIS. DISTURBED AREAS SHALL HAVE SILT CONTROL INSTALLED OR WILL BE STABILIZED SO THAT SEDIMENT WILL NOT GET OFF SITE OR INTO STORM SYSTEM DURING A RAIN EVENT.

SYMBOL	DESCRIPTION	MSD STD DWG NO.
—	SILT FENCE	EF-09-02
SIP-1	STONE BAG INLET PROTECTION OR DANDY BAG	EF-03-02
▲	TRIANGULAR SILT DIKE (OR APPROVED EQUAL)	SEE DETAIL SHEET 2 OF 2

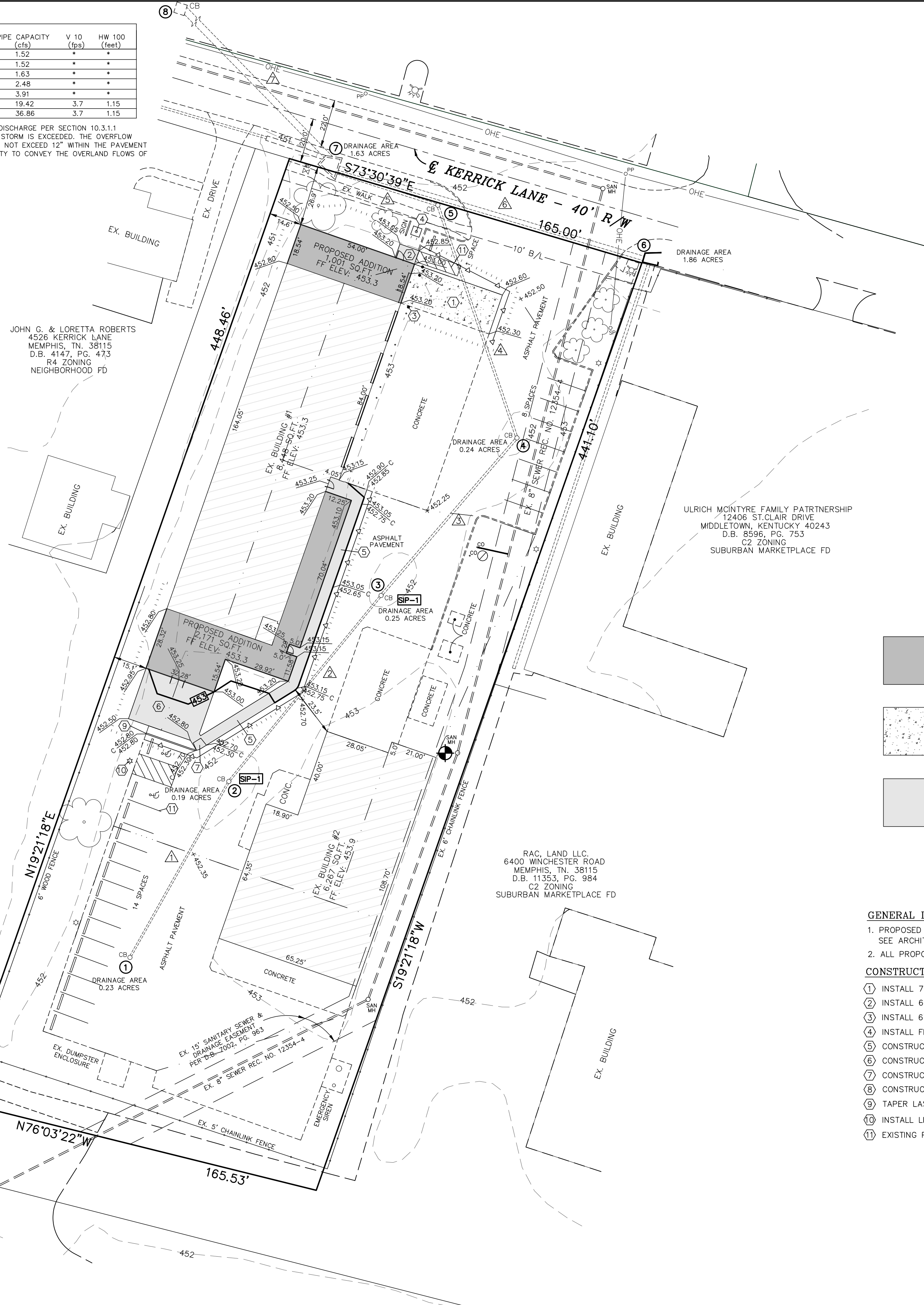
**LEGEND**

SAN MH	EXISTING SEWER LINE AND MANHOLE	100	EXISTING CONTOUR LINE
WV	EXISTING WATER VALVE	4" G	EXISTING GAS LINE WITH PIPE SIZE
GV	EXISTING GAS VALVE	12" W	EXISTING WATER LINE WITH PIPE SIZE
GW	EXISTING GUY WIRE	OHE	EXISTING OVERHEAD ELEC. WIRE
GP	EXISTING GUY POLE	UGT	EXISTING OVERHEAD TELE. WIRE
CB	EXISTING CATCH BASIN		AREA OF DISTURBANCE (0.756 ACRES)
FD	FIRE HYDRANT	100.00	PROPOSED SPOT ELEVATION @ FINISH GRADE
GM	GAS METER	100.00	PROPOSED SPOT ELEVATION @ TOP & BOTTOM CONCRETE CURB
WM	WATER METER	99.50	PROPOSED CONTOUR LINE
PP	EXISTING POWER POLE	100	
TP	EXISTING TELE POLE		
DF	DRAINAGE FLOW DIRECTION		
CS	EXISTING 6" PROPERTY SERVICE CONNECTION		

JOHN G. & LORETTA ROBERTS  
4526 KERRICK LANE  
MEMPHIS, TN, 38115  
D.B. 4147, PG. 473  
R4 ZONING  
NEIGHBORHOOD FD

RAC, LAND LLC  
6400 WINCHESTER ROAD  
MEMPHIS, TN, 38115  
D.B. 11353, PG. 984  
C2 ZONING  
SUBURBAN MARKETPLACE FD

RAC, LAND LLC  
6400 WINCHESTER ROAD  
MEMPHIS, TN, 38115  
D.B. 11353, PG. 984  
C2 ZONING  
SUBURBAN MARKETPLACE FD



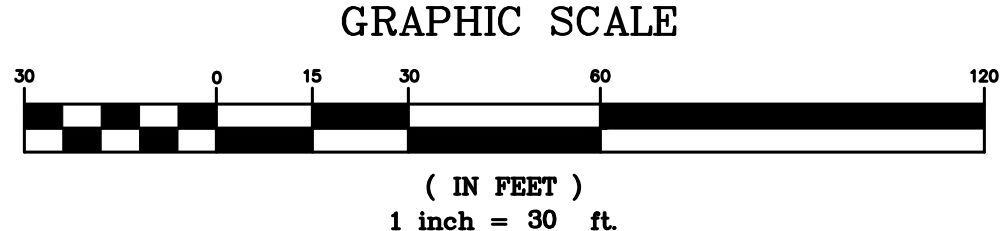
- PROPOSED BUILDING EXPANSION - 3,172 SQ. FT.
- PROPOSED HEAVY DUTY RIGID PAVEMENT - 775 SQ. FT. SEE DETAIL, SHEET C3.0
- PROPOSED CONCRETE AREA/SIDEWALK - 1,662 SQ. FT.

**GENERAL LAYOUT & GRADING NOTES:**

1. PROPOSED BUILDING TO BE CONSTRUCTED TO TO FINISH FLOOR ELEVATIONS AS INDICATED ON PLAN. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR BUILDING AND FOUNDATION DETAILS.
2. ALL PROPOSED SPOT ELEVATIONS SHOWN ARE AT FINISHED GRADE.

**CONSTRUCTION KEY NOTES:**

- ① INSTALL 775 SQ. FT. OF HEAVY DUTY RIGID PAVEMENT PER DETAIL, SHEET C3.0
- ② INSTALL 6'X9' CONCRETE LANDING WHERE INDICATED ON PLAN PER DETAIL, SHEET C3.0
- ③ INSTALL 6" STEEL BOLLARD WHERE INDICATED ON PLAN PER DETAIL, SHEET C3.0
- ④ INSTALL FLAG POLE - TO BE RELOCATED PER DEMOLITION PLAN, SHEET C1.0
- ⑤ CONSTRUCT 148 L.F. OF 5' WIDE INTERCAL CURB AND SIDEWALK PER DETAIL, SHEET C3.0
- ⑥ CONSTRUCT 760 SQ. FT. OF CONCRETE PATIO PER DETAIL, SHEET C3.0
- ⑦ CONSTRUCT SIDEWALK RAMP PER DETAIL, SHEET C3.0
- ⑧ CONSTRUCT 24 L.F. OF CONCRETE CURB PER DETAIL, SHEET C3.0
- ⑨ TAPER LAST 4' OF CONCRETE CURB TO MATCH PROPOSED GRADE.
- ⑩ INSTALL LIGHT POLE - TO BE RELOCATED PER DEMOLITION PLAN, SHEET C1.0
- ⑪ EXISTING PARKING TO BE RE-STRIPED TO PROVIDE REQUIRED SPACES AND BE ADA COMPLIANT.



⊕ SITE BECHMARK: EXISTING SANITARY MANHOLE #89,537  
RIM ELEVATION = 452.60 (NAVD88)

**EROSION PREVENTION AND SEDIMENT CONTROL NOTES**  
THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL (ESPC) PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND-DISTURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATIONS TO THE APPROVED ESPC PLAN MUST BE REVIEWED AND APPROVED BY MSD'S PRIVATE DEVELOPMENT REVIEW OFFICE. ESPC BMP'S SHALL BE INSTALLED PER THE PLAN AND MSD STANDARDS. DETENTION BASINS, IF APPLICABLE, SHALL BE CONSTRUCTED FIRST AND SHALL PERFORM AS SEDIMENT BASINS DURING CONSTRUCTION UNTIL THE CONTRIBUTING DRAINAGE AREAS ARE SEEDDED AND STABILIZED. ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOIL TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAILY. SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCE. ALL STREAM CROSSINGS MUST UTILIZE LOW-WATER CROSSING STRUCTURES PER MSD STANDARD DRAWING ER-02. WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED. SEDIMENT-LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING OR OTHER EXCAVATION ACTIVITIES SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGE INTO A STREAM, POND, SWALE OR CATCH BASIN.



**SAFETY NOTE**  
The Contractor shall comply with the U.S. Dept of Labor Safety and Health regulations for construction promulgated under the Occupational Safety and Health Act of 1970 (P.L. 91-596) and under Section 107 of the Contract Work Hours and Safety Standards Act (P.L. 91-54). During all phases of this project (including excavations or trenching) the Contractor shall be responsible for safety at all times.

**UTILITY NOTE**  
ALL UTILITIES ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. THE CONTRACTOR OR SUB-CONTRACTOR SHALL NOTIFY THE KENTUCKY UNDERGROUND UTILITY PROTECTION, INC. (PHONE: 1-800-752-6007) 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDED ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (i.e. cables, electric wires, gas, and water lines). THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS IN THE TECHNICAL SPECIFICATIONS AND SPECIAL PROVISIONS.

**REVISIONS:**

NO.	DATE	DESCRIPTION

DRWN BY: KAL/DLL

CHKD BY: EWH

DRAWING NAME: PRP FIRE.DWG



LJB INC.  
4010 Dupont Circle  
Suite 478  
Louisville, Ky 40207  
(502) 899-9611  
LJBinc.com

**PLEASURE RIDGE PARK FIRE STATION #1**  
4500 KERRICK LANE - LOUISVILLE, KENTUCKY 40258  
LAYOUT, GRADING, DRAINAGE, & ESPC PLAN

DATE: 1/15/2021

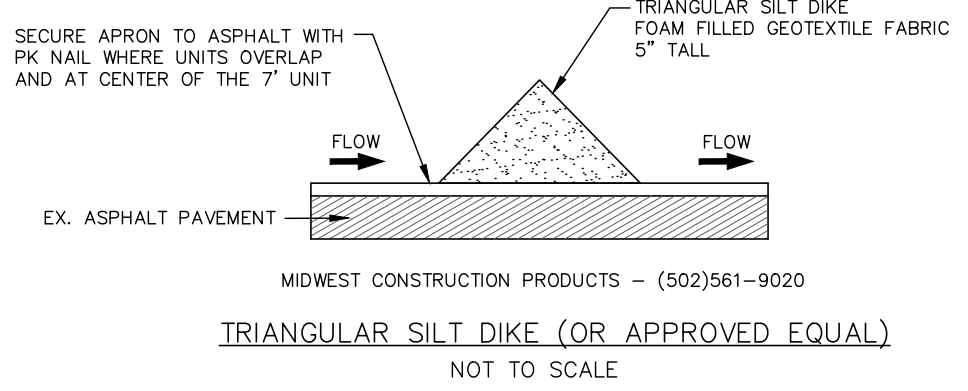
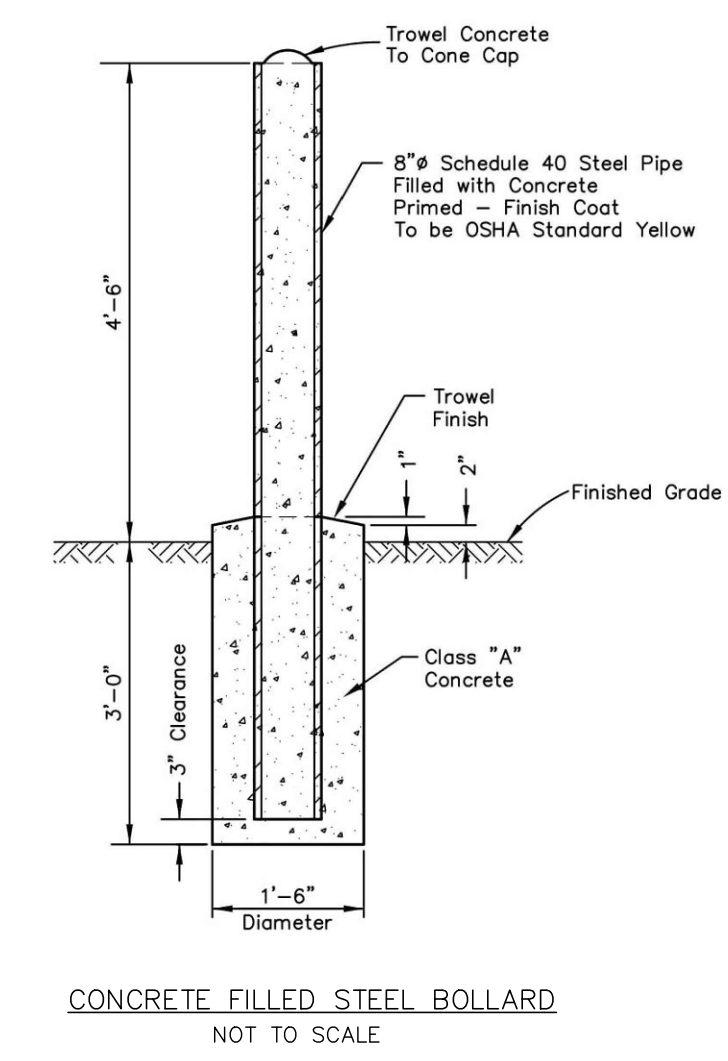
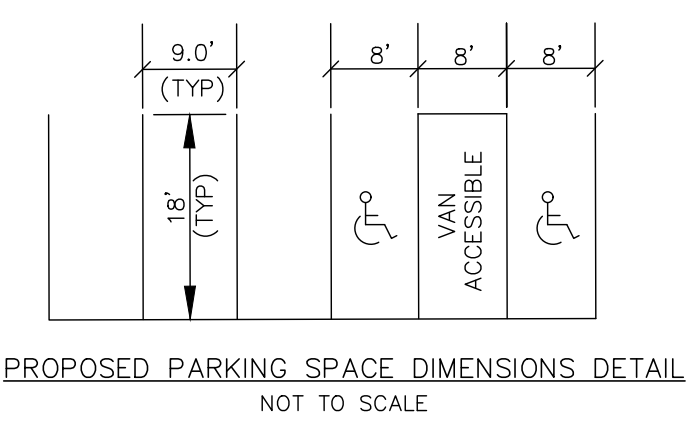
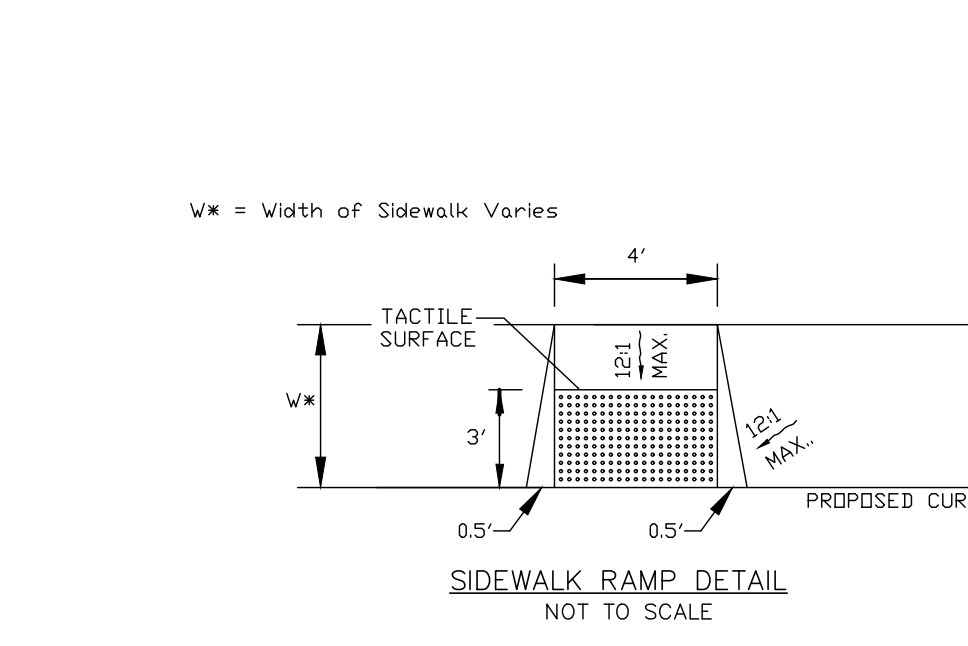
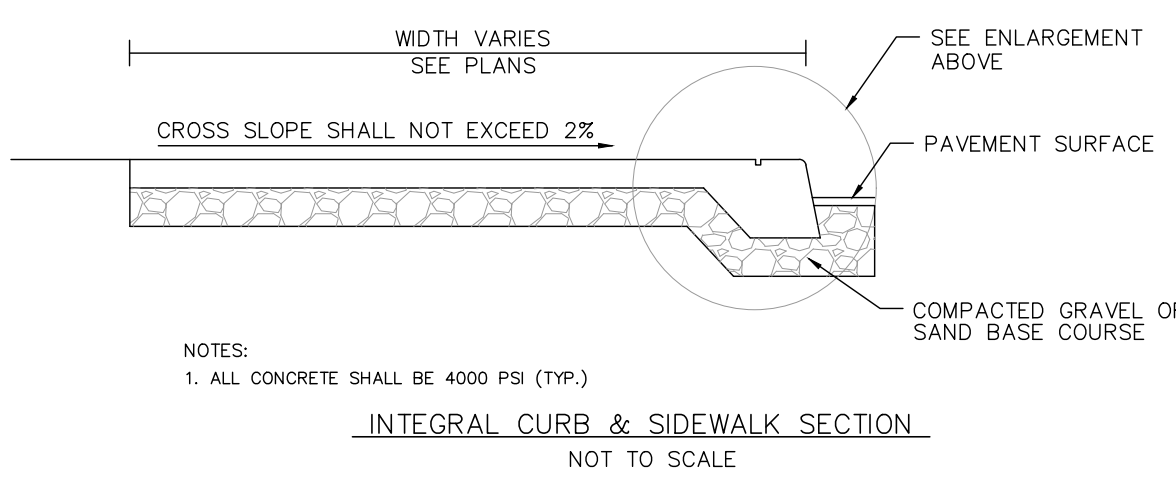
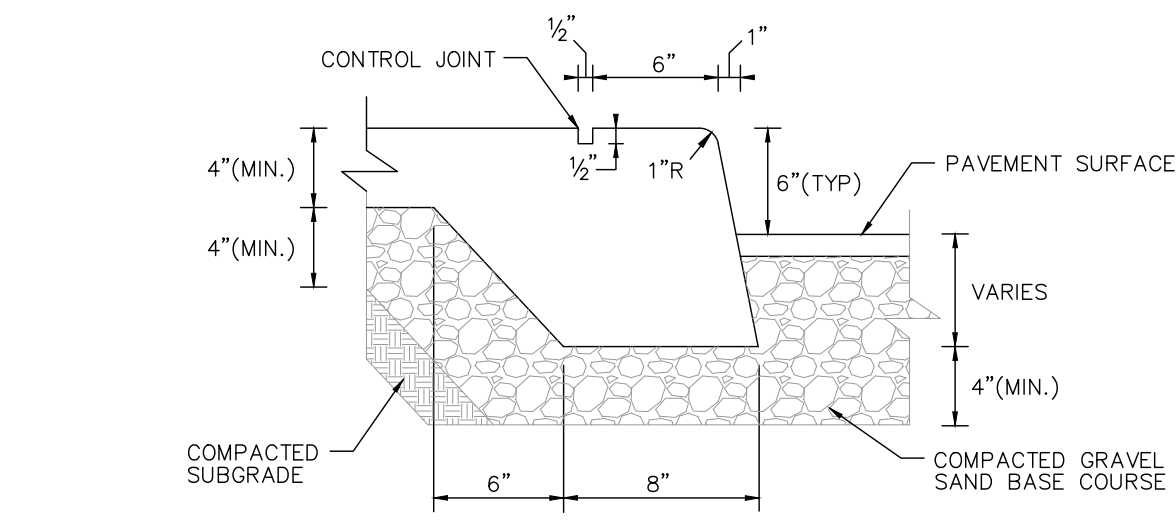
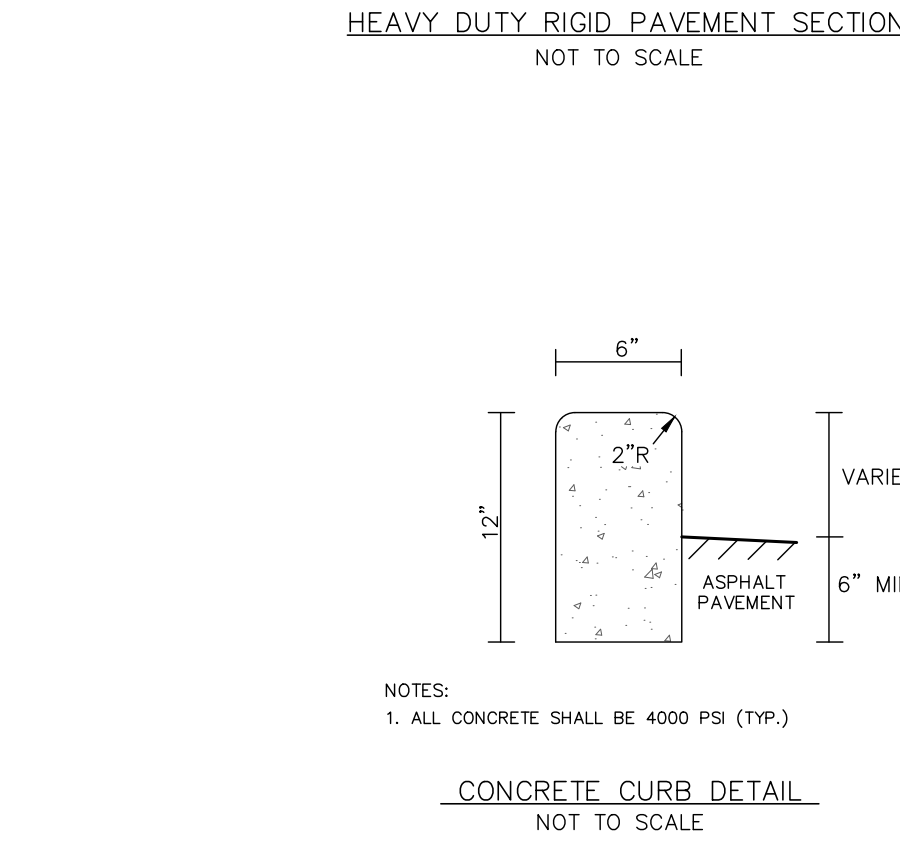
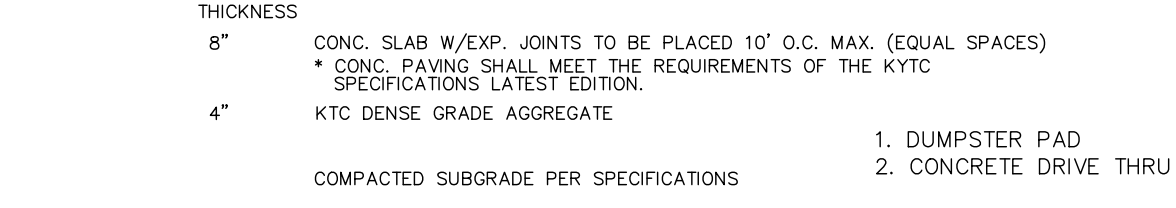
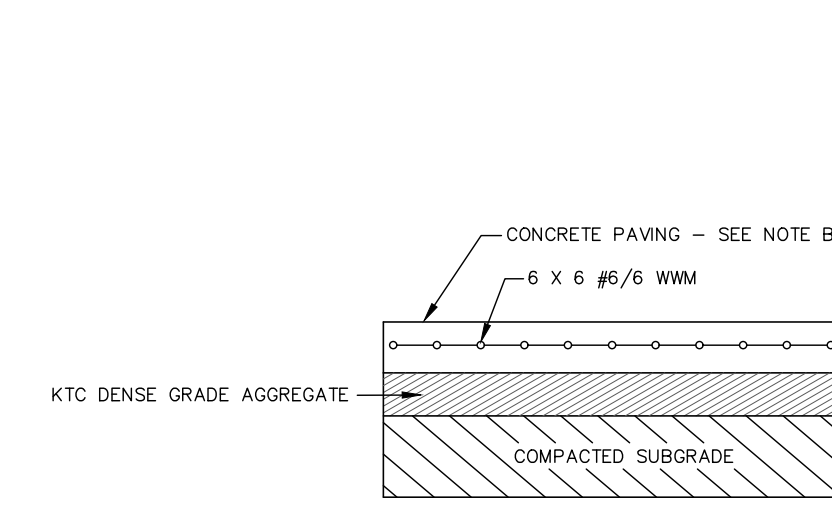
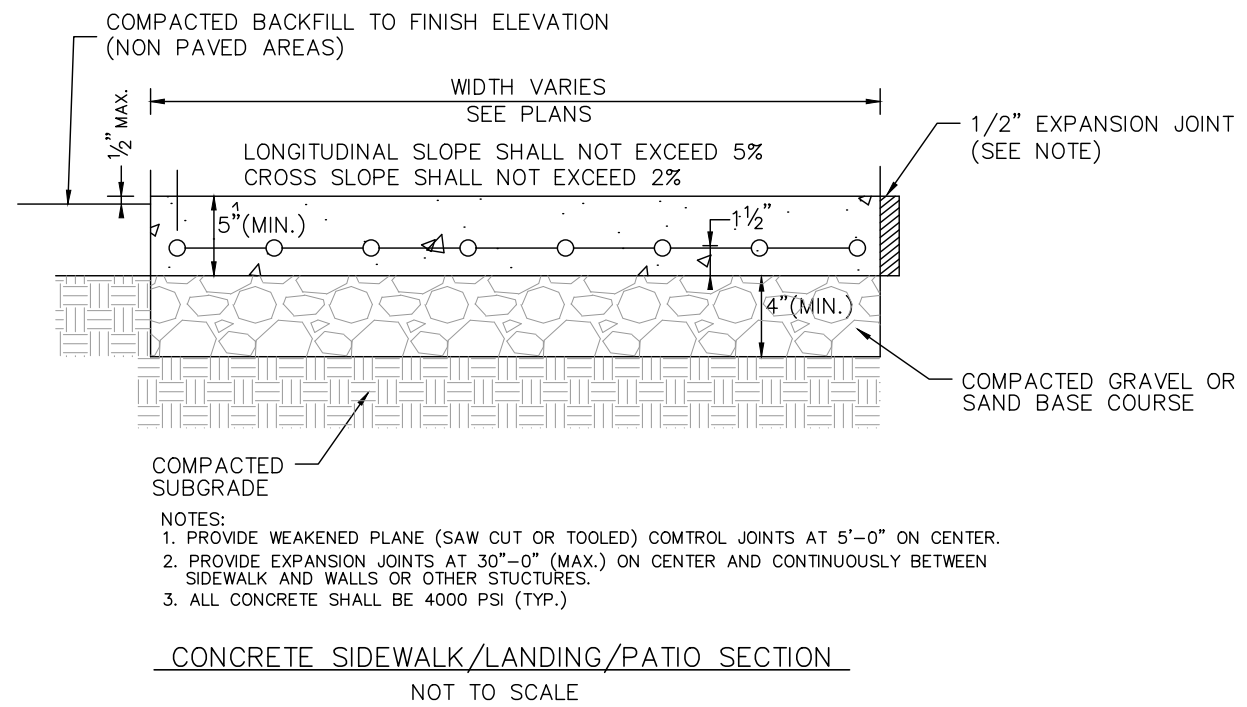
PROJECT NO.: 0119463A.00

Sheet C2.0

WM#2429

GENERAL NOTES

- All construction methods, materials and work activities shall be in accordance with the Kentucky Transportation Cabinet Department of Highways Standard Specifications and Supplement for Road and Bridge Construction latest edition unless otherwise specified. The current Kentucky Standard Drawings will also apply unless otherwise noted on the Plans.
  - The Contractor shall comply with all applicable Local, State and Federal codes, ordinances, regulations and requirements necessary to complete the work. This includes provisions for maintenance of traffic, construction and the Occupational Safety and Health Act (OSHA).
  - All embankment backfill and subgrade materials shall be constructed and compacted to 95% of maximum density and plus 2 or minus 4 percent of the optimum moisture content.
  - A minimum twelve (12) inch depth of cover over all culvert pipes is required. A minimum six (6) inch enclosed Class A concrete encasement with a minimum projection into the pavement structure for any pipe with reduced cover is required.
  - Asphalt tack coat shall be applied at the rate of 0.1 gallon per square yard immediately prior to the placement of the bituminous surface course.
  - Bituminous concrete pavement binder, base and surface shall be Class I construction as shown in the Plans in accordance with the Kentucky Department of Highways Specifications.
  - All cement concrete shall be a minimum of 4000 psi unless otherwise specified.
  - When matching existing bituminous pavements a two (2) inch depth sawcut a minimum of twelve (12) inches from the edge or to sound asphalt material and roadway rock base and the asphalt materials placed to form a watertight joint as directed by Metro Public Works.
  - All sidewalks to be constructed of Class A concrete as shown on the Plans, five (5) inch thickness and five (5) foot in width.
  - Pavement shall be 2' back of curbs, unless otherwise noted.
  - For wingwall details not shown, refer to Kentucky State Highway Drawings.
- NOTE: (1) Fire Hydrants will be installed in accordance with the Regulations of the Jefferson County Fire Safety Program.
- (2) When sidewalk elevations deviate slightly from proposed construction plan elevations, it will be the responsibility of the Developer to pay for the adjustment to the utility cover or grates which have been previously set to the construction plan elevations. For the sidewalk or remove sidewalk and reconstruct to proper elevations.
- It is the responsibility of the contractor to call the UTILITIES PROTECTION CENTER at 1-800-752-6007 and have all existing utilities which may be encountered on the project field located both horizontally and vertically prior to the beginning of any construction.



PERMANENT SEEDING REQUIREMENTS

Species	Site Condition	Maintenance
Kentucky Bluegrass	Sunny Good soils	Frequent mowing desirable
Creeping Red Fescue	Semi-shady Good soils	Frequent mowing desirable
KY 31 Tall Fescue	Steep - droughty or wet soils	Occasional mowing on critical slopes
Crownvetch	Very steep, droughty or rocky soils	Do not mow

ESTABLISHMENT

- On sloping areas, first install needed surface water system to protect new seedings.
- If unfavorable soil conditions exist, add 4 to 6 inches of topsoil, use topsoiling BMP recommendations.
- Apply lime and fertilizer according to soil tests.
- Prepare the soil by disking or other methods to work in the fertilizer and to form a loose seedbed for planting.
- Seed, use recommended rates and seeding dates.
- Mulch, use mulching BMP recommendations.
- Water as needed to keep the upper 3' to 4' moist.

If hydroseeded, use about four times the normal seed rate, and always include adequate fertilizer and mulch.

MAINTENANCE

Mowing - Do not mow newly seeded bluegrass or red fescue until it is four inches tall. Crownvetch must never be mowed. KY 31 tall fescue may be mowed for appearance, or only occasionally, according to the site and the owner's desires.

Fertilization - Annual fertilization is generally advisable at a rate of about 400 lbs. per acre (15-15-15) for legumes or use a soil test.

LAYING SOIL

- Test soil for fertilizer and lime and make necessary applications before sodding.
- If surface is dominantly subsoil, place 4-6" topsoil over the area.
- Disk or loosen soil surface, then smooth and firm.
- If dry, moisten just before sodding.
- Use vigorous, freshly cut, weed and pest-free sod - one to three years old.
- Lay sod across the slope with snug, staggered joints.
- Roll or tamp sod for solid root-soil contact.
- Use netting and/or staples or pegs on steep slopes or waterway areas.
- Water sod immediately and as needed during the first season.

MAINTENANCE

- Allow grass to grow 4' before mowing, then cut as needed at 2' height. Irrigate during dry seasons. Control weeds and fertilize annually.

NOTES:

The site contractor shall be responsible for the installation and maintenance of all silt controls until the binder surface has been constructed for all roadways. After the binder surface has been installed, the owner or his representative shall be responsible for the installation and maintenance of all silt controls until final stabilization is accomplished.

Final stabilization shall consist of permanent seeding and/or sodding. Final stabilization shall be complete prior to any performance bond release.

TEMPORARY SEEDING REQUIREMENTS

ANY DISTURBED AREAS LEFT UNCOVERED FOR 14 OR MORE DAYS SHALL ADHERE TO THE FOLLOWING TEMPORARY COVER SCHEDULE:

Species	Seeding Rate lbs.-acre	Seeding Dates
Annual Ryegrass	40	2/15 - 6/15
Ky 31 Tall Fescue and Rye (grain)	80	2/15 - 6/15 or 8/15 - 11/15
Rye (grain)	120	8/15 - 11/15
Spring Daisies	96	2/15 - 6/15

ESTABLISHMENT

- Remove loose rock, roots, construction debris, etc. from soil surface layer (upper 6").
- Apply lime and fertilizer according to soil test for quick plant growth.
- Disk or loosen upper 4" for seedbed.
- Seed correct grass species, check rates and dates.
- Mulch, especially on slopes or during dry seasons.
- Water to speed germination and growth.
- May be hydroseeded, but if so, increase seed rate.

MAINTENANCE

Water during droughty seasons. Do not mow small grain seedings.

TYPICAL MULCH AND APPLICATION RATES

Type	Quality	1000 sqft.	Acres
Small grain straw, grass or hay straw	Dry, free of weed seed	75-100#	1 1/2 - 2 ton
Wood fiber cellulose	Air dry and non-toxic	25-40#	1,400 - 1,600#
Corn stalks	Dry, cut in 4-6' lengths	185-275#	4 - 6 ton
Asphalt spray	Refer to label	5 gal.	200 gal.

APPLICATION GUIDELINES

- If the site is subject to soil erosion, install temporary diversions or other water control measures above and within the area to be mulched.
- Select the type of mulch and the rate according to the needs and site conditions.
- Application may be by hand, blower or other machines.
- If straw, spread uniformly so that 80-90 percent of ground is covered. Anchor mulch with asphalt or plastic spray, netting or pegs and tene.

TOPSOIL RECOMMENDATIONS

- The original surface soil is generally friable and higher in organic matter and nutrients. In this case, stripping the upper 8-10" and stockpiling for future spreading is the most economical method.

- When topsoil is hauled to the site, it should be checked for quality and plant growth potential. Soil texture (friability), acidity, organic matter and nutrient content are important factors. It should be free of weed seeds.
- Install silt fence around downhill side of topsoil stockpile.
- After final grading, loosen and roughen the surface to insure good bonding with topsoil.
- Remove large rocks, roots and other debris.
- Spread uniformly 4 to 6" thick over entire area.
- Test topsoil and apply lime and fertilizer before seeding or sodding.

REVISIONS:

NO.	DATE	DESCRIPTION



DRWN BY: KAL/DLL

CHKD BY: EWH

DRAWING NAME: PRP FIRE.DWG



LJB INC.  
4010 Dupont Circle  
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Louisville, Ky 40207  
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PLEASURE RIDGE PARK FIRE STATION #1  
4500 KERRICK LANE - LOUISVILLE, KENTUCKY 40258

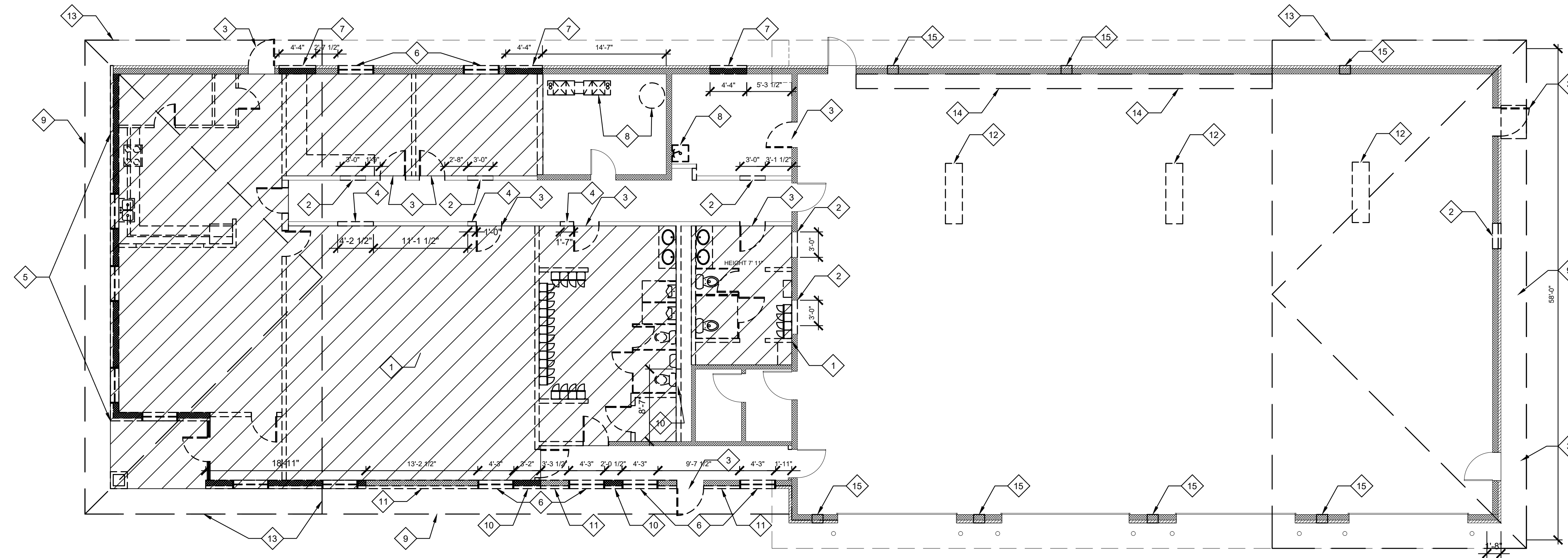
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PROJECT NO.: 0119463A.00

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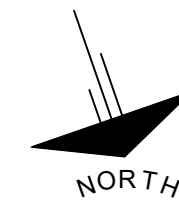
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DETAIL SHEET



**01 DEMOLITION PLAN**

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



**NOTE:** SEE MECH. ELEC. & PLUMBING SHEETS FOR ADDITIONAL DEMOLITION

**NOTE:** CONTRACTOR MAY DEMO MORE OF THE INTERIOR WALLS AND REPLACE WITH NEW IF NEEDED

**SHEET NOTES:**



- 1 ALL FINISHES/WALLS/DOOR ARE TO BE REMOVED INSIDE HATCHED AREA. ALL UTILITIES ARE TO BE CAPPED OFF PER CODE - PATCH TO MATCH SURROUNDINGS
- 2 REMOVE WALL THIS AREA AS SHOWN FOR NEW DOOR OPENING - SEE FLOOR PLANS AND DOOR FINISH SCHEDULE.
- 3 REMOVE EXISTING DOOR-PATCH OPENING TO MATCH SURROUNDINGS
- 4 REMOVE WALL THIS AREA FOR NEW OPENING FLOOR TO CEILING PATCH TO MATCH SURROUNDINGS.
- 5 REMOVE WALL, DOOR, & FINISHES THIS AREA FROM FLOOR TO CEILING - PATCH TO MATCH SURROUNDINGS.
- 6 REMOVE EXISTING WINDOW THIS AREA - PATCH TO MATCH SURROUNDINGS.
- 7 REMOVE WALL THIS AREA AS SHOWN FOR NEW WINDOW OPENING - SEE FLOOR PLANS AND WINDOW FINISH SCHEDULE.
- 8 EQUIPMENT ARE TO BE REMOVED. ALL UTILITIES ARE TO BE CAPPED OFF PER CODE - PATCH TO MATCH SURROUNDINGS
- 9 REMOVE EXISTING FASCIA AND SAVE FOR REUSE IF POSSIBLE & PREPARE FOR NEW WORK PER STRUCTURAL PLANS.
- 10 REMOVE WALL AND PATCH TO MATCH SURROUNDINGS
- 11 REMOVE BRICK VENEER AS SHOWN AND PATCH TO MATCH SURROUNDINGS
- 12 REMOVE SKY LIGHT AS SHOWN AND PATCH TO MATCH SURROUNDINGS WHERE NO NEW ROOF & CEILING IS NEEDED
- 13 REMOVE EXISTING ROOF AND PREPARE FOR NEW ADDITION.
- 14 REMOVE EXISTING SHELF AT FLOOR PATCH FLOOR AS REQD.
- 15 SHORE & DEMO FOR NEW LOUVERS & FANS. SEE MECH. DRAWINGS.

**PATCH AND REPAIR NOTES**

PROMPTLY PATCH AND REPAIR HOLES AND DAMAGED SURFACES CAUSED TO ADJACENT CONSTRUCTION BY SELECTIVE DEMOLITION OPERATIONS.

WHERE REPAIRS TO EXISTING SURFACES ARE REQUIRED, PATCH TO PRODUCE SURFACES SUITABLE FOR NEW MATERIALS.

RESTORE EXPOSED FINISHES OF PATCHED AREAS AND EXTEND FINISH RESTORATION INTO ADJOINING CONSTRUCTION TO REMAIN IN A MANNER THAT ELIMINATES EVIDENCE OF PATCHING AND REFINISHING.

PATCH AND REPAIR FLOOR AND WALL SURFACES IN THE NEW SPACE WHERE DEMOLISHED WALLS OR PARTITIONS EXTEND ONE FINISHED AREA INTO ANOTHER. PROVIDE A FLUSH AND EVEN SURFACE OF UNIFORM COLOR AND APPEARANCES.

**SELECTIVE DEMOLITION NOTES**

REMOVE AND LEGALLY DISPOSE OF ITEMS EXCEPT THOSE INDICATED TO BE REINSTALLED SALVAGED, OR TO REMAIN THE OWNER'S PROPERTY.

REMOVE ITEMS INDICATED, CLEAN SURFACE, AND OTHERWISE REPAIR THEM FOR REUSE, STORE AND PROTECT AGAINST DAMAGE. REINSTALL ITEMS IN LOCATIONS INDICATED.

PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING SELECTIVE DEMOLITION. WHEN PERMITTED BY THE ARCHITECT, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION DURING SELECTED DEMOLITION AND THEN CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS.

IDENTIFY AND ACCURATELY LOCATE CAPPED UTILITIES AND OTHER SUBSURFACE STRUCTURAL ELECTRICAL OR MECHANICAL CONDITIONS. DOCUMENT THESE UTILITIES ON RECORD DRAWINGS PROVIDED TO ARCHITECT UPON COMPLETION OF PROJECT.

PROTECT WALLS, CEILINGS, FLOORS, AND OTHER EXISTING FINISH WORK THAT ARE TO REMAIN AND ARE EXPOSED DURING SELECTIVE DEMOLITION OPERATIONS. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACE AND AREAS.

COVER AND PROTECT FURNITURE, FURNISHINGS, AND EQUIPMENT THAT HAVE NOT BEEN REMOVED.

BY SELECTIVE DEMOLITION OPERATIONS. RETURN AREAS TO CONDITION EXISTING BEFORE START OF NEW WORK.

DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. DISPOSAL: PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON SITE. TRANSPORT DEMOLISHED MATERIALS OFF OWNER'S PROPERTY AND LEGALLY DISPOSE OF THEM. SWEEP THE AREA OF WORK BROOM CLEAN ON COMPLETION OF SELECTIVE DEMOLITION OPERATION.

PROTECTION OF PEDESTRIANS SHALL BE PROVIDED DURING CONSTRUCTION, REMODELING, AND DEMOLITION ACTIVITIES AS REQUIRED BY STATE BUILDING CODE. SIGNS SHALL BE PROVIDED TO DIRECT PEDESTRIAN TRAFFIC DURING DEMOLITION. CONSTRUCTION AND REMODELING.

**NOTE:** ALL DIMENSIONS ARE TO FACE OF STUD

**NOTE:** GENERAL CONTRACTOR RESPONSIBLE FOR COORDINATION OF ALL SUB TRADES AND REQUIREMENTS BY OWNER

**NOTE:** ELECTRICAL, HVAC AND PLUMBING TO BE RELOCATED PER FEDERAL, STATE AND LOCAL CODES. GENERAL CONTRACTOR TO COORDINATE.

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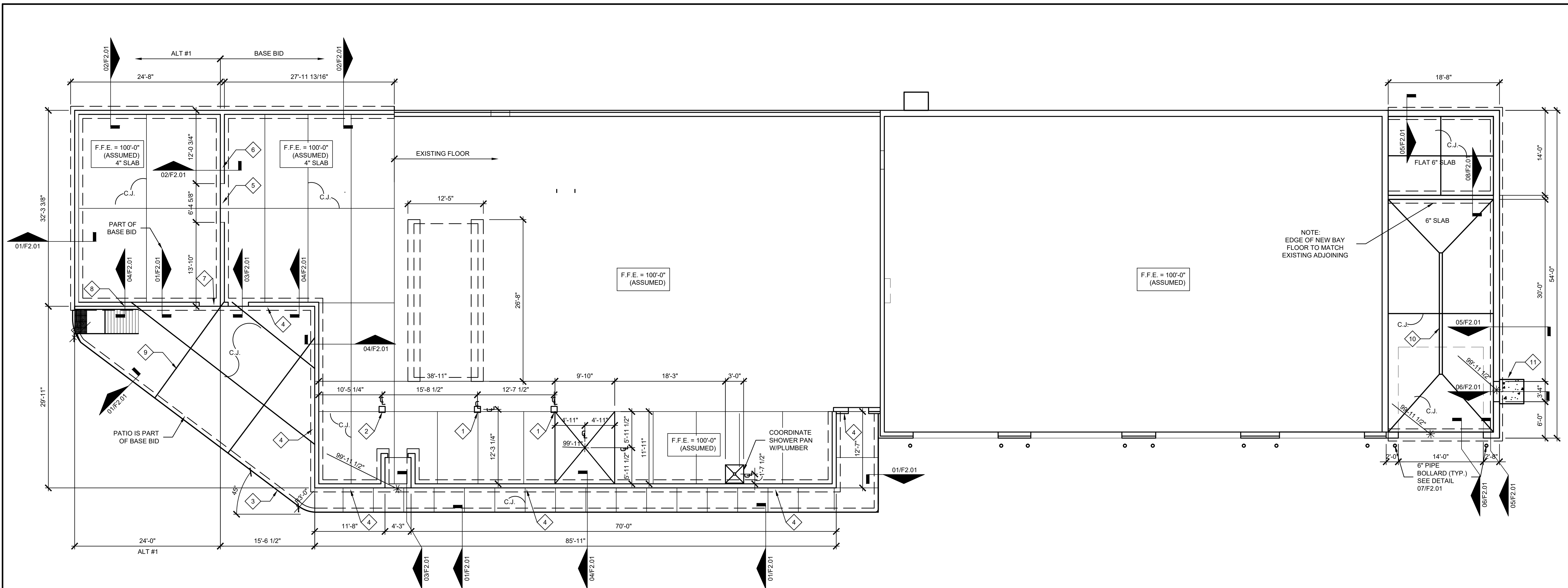


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LOUISVILLE, KENTUCKY 40213 (502) 636-5113

RENOVATION FOR:  
**PLEASURE RIDGE PARK  
FIRE STATION 1**  
4500 KERRICK LN.  
LOUISVILLE, KY 40258

DEMOLITION PLAN

**D1.01**



**01 FOUNDATION PLAN**  
SCALE: 1/8" = 1'-0"



**SHEET NOTES:**

NOTE SYMBOL	NOTE
1	PLACE SOLID 8"X8" MIN. PIER DOWN TO EXISTING FOOTING FOR NEW COL. LOAD POINT SEE PROPOSED PLAN
2	NEW COL. LOAD POINT ON THICKENED SLAB SIM TO DETAIL 08/F2.01
3	SAW CUT CONTROL JOINTS AT 10'-0" C.E.W. STARTING AT THIS POINT -45° TO BUILDING
4	CONC. TO BE 99'-11 1/2" (ASSUMED) AT BLDG. & SLOPE TO CURB 1%
5	IF ALTERNATE #1 IS <u>NOT</u> ACCEPTED SLOPE DOOR OPENING PER 03/F2.01-SEE PLAN
6	IF ALTERNATE #1 IS ACCEPTED OMIT FOOTING THIS WALL
7	POUR THRU IF ALTERNATE #1 IS ACCEPTED -SEE PLAN
8	IF ALTERNATE #1 IS <u>NOT</u> ACCEPTED USE DETAIL # 01/F2.01 THIS EDGE.
9	CONFIRM UNDER SLAB NATURAL GAS FOR GRILL
10	20' LONG TRENCH DRAIN CENTERED IN BAY TOP OF GRATE = 99'-10" (2% SLOPE)
11	4'X5' EXIT PAD SIM. CONST. TO 01/F2.01
12	THICKENED SLAB SIM. TO DETAIL #08/F2.01-SEE PLAN FOR LOCATION.

**FOUNDATION NOTES**

1)	ALL CONCRETE TO BE 4,000 P.S.I.
2)	JUNCTURE OF FLOOR SLAB WITH ALL PIERS AND GRADE TO BE 1/2" WIDE EXPANSION JOINT MATERIAL.
3)	FLOOR SLAB TO BE POURED THRU AT ALL DOORWAYS, SLOPE 2% TO OUTSIDE
4)	VERIFY EXISTING FOOTINGS NOTIFY ARCHITECT IF DIFFERENT THAN DETAILS
5)	VERIFY ALL UNDER SLAB AND FOUNDATION CONFLICTS W/ M.E.P. DRAWINGS BEFORE STARTING
6)	REINF. IN FOOTING MUST BE PLACED ON CONC. ASSOC. RECOMMENDED CHAIRS - NOT BARS DRIVEN IN EARTH

**NOTE:** GENERAL CONTRACTOR RESPONSIBLE FOR COORDINATION OF ALL SUB TRADES AND REQUIREMENTS BY OWNER

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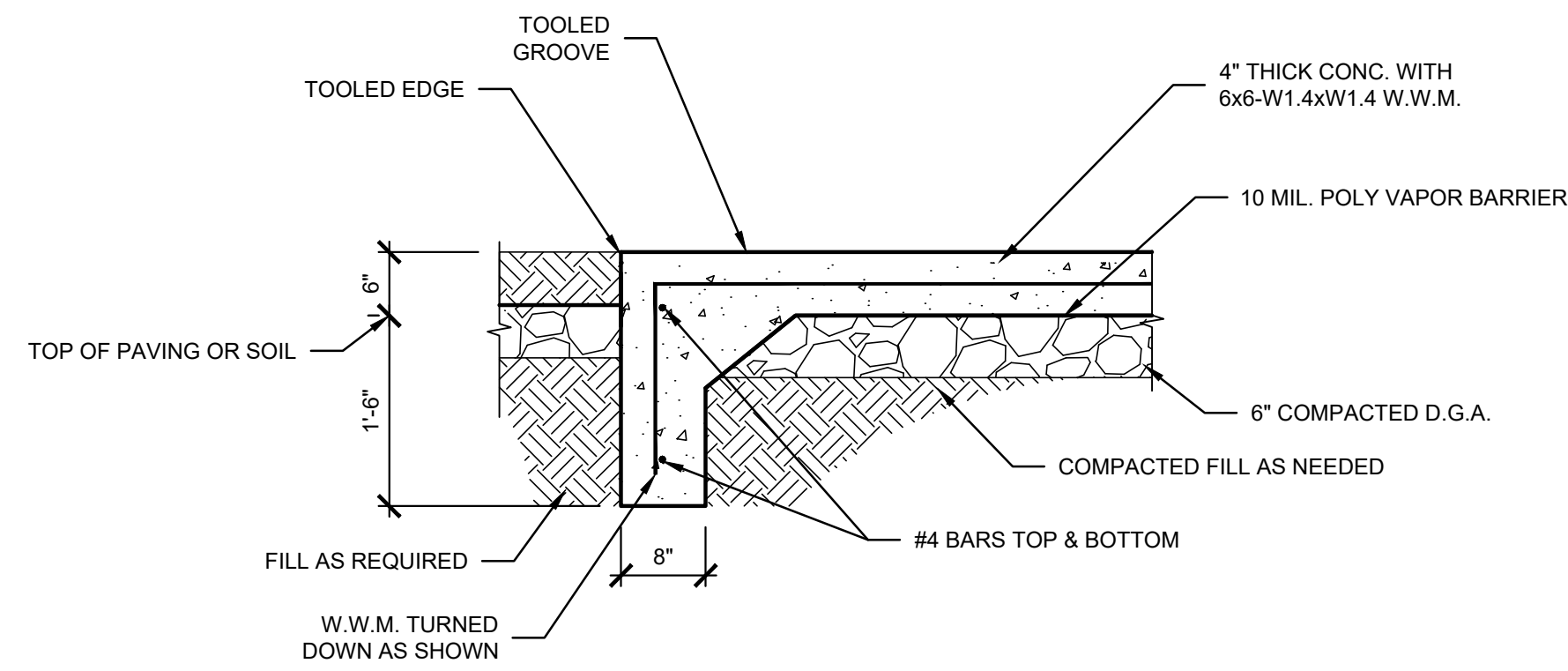


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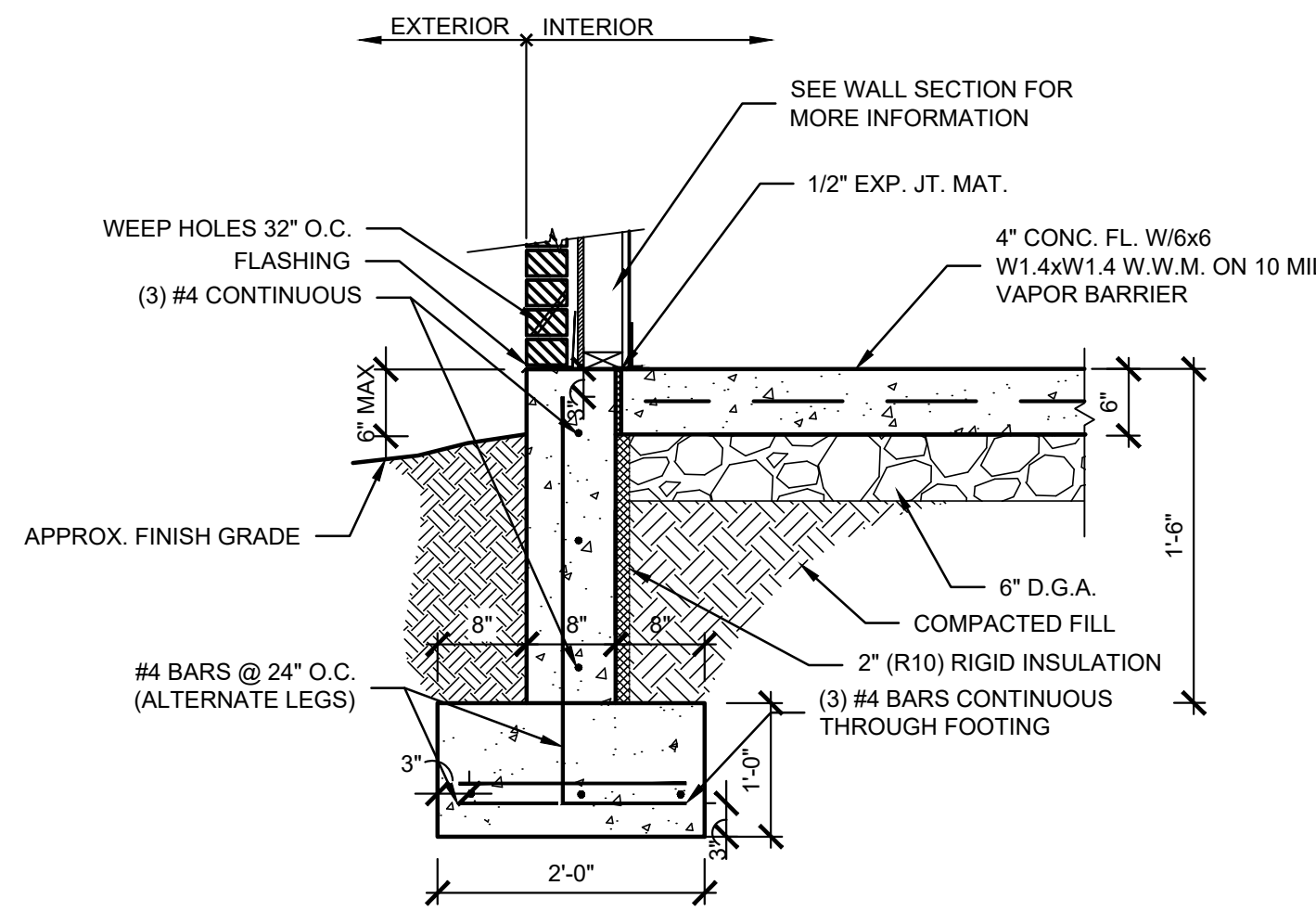
RENOVATION FOR:  
**PLEASURE RIDGE PARK  
FIRE STATION 1**  
4500 KERRICK LN.  
LOUISVILLE, KY 40258

FOUNDATION PLAN

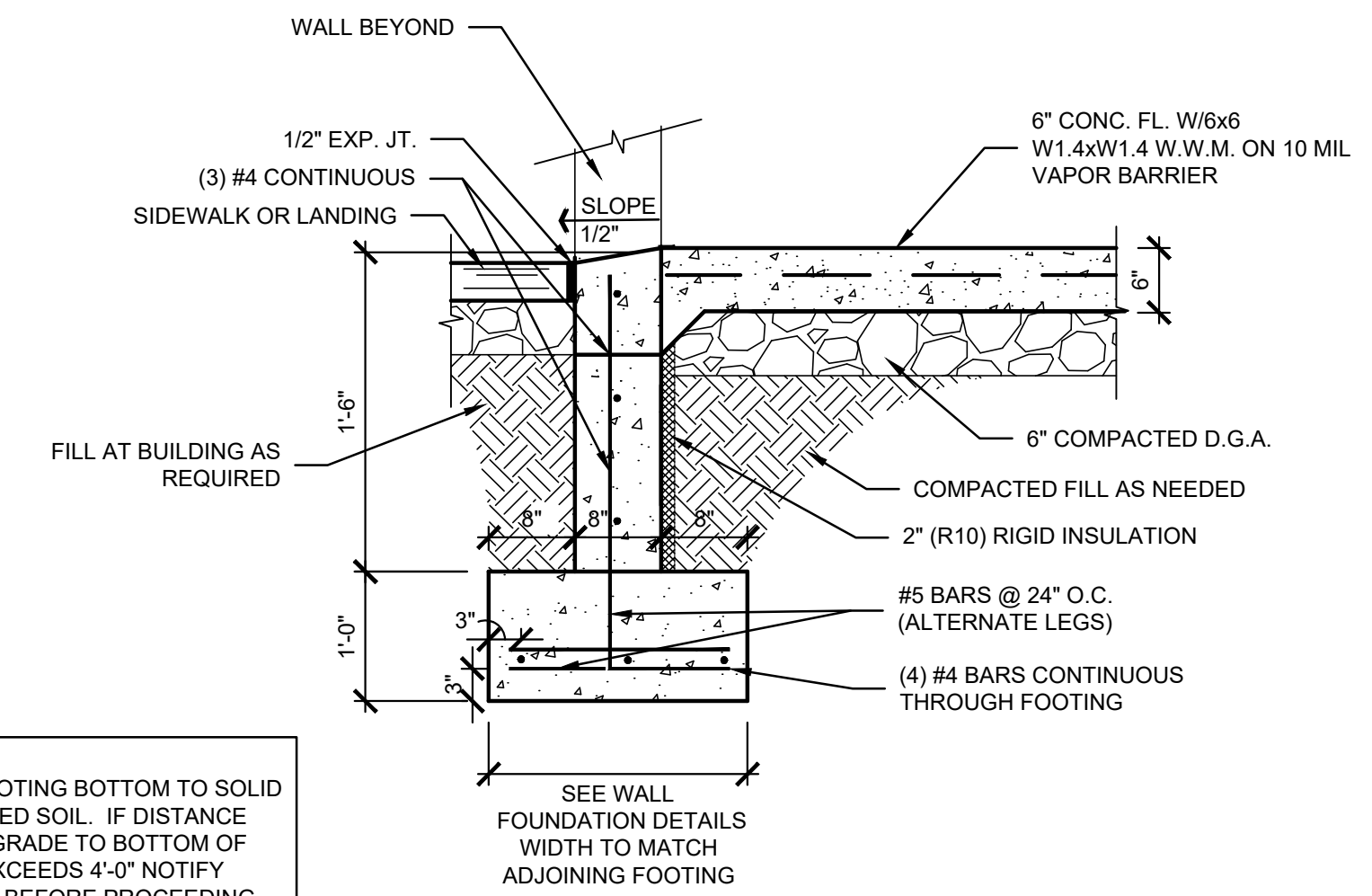
**F1.01**



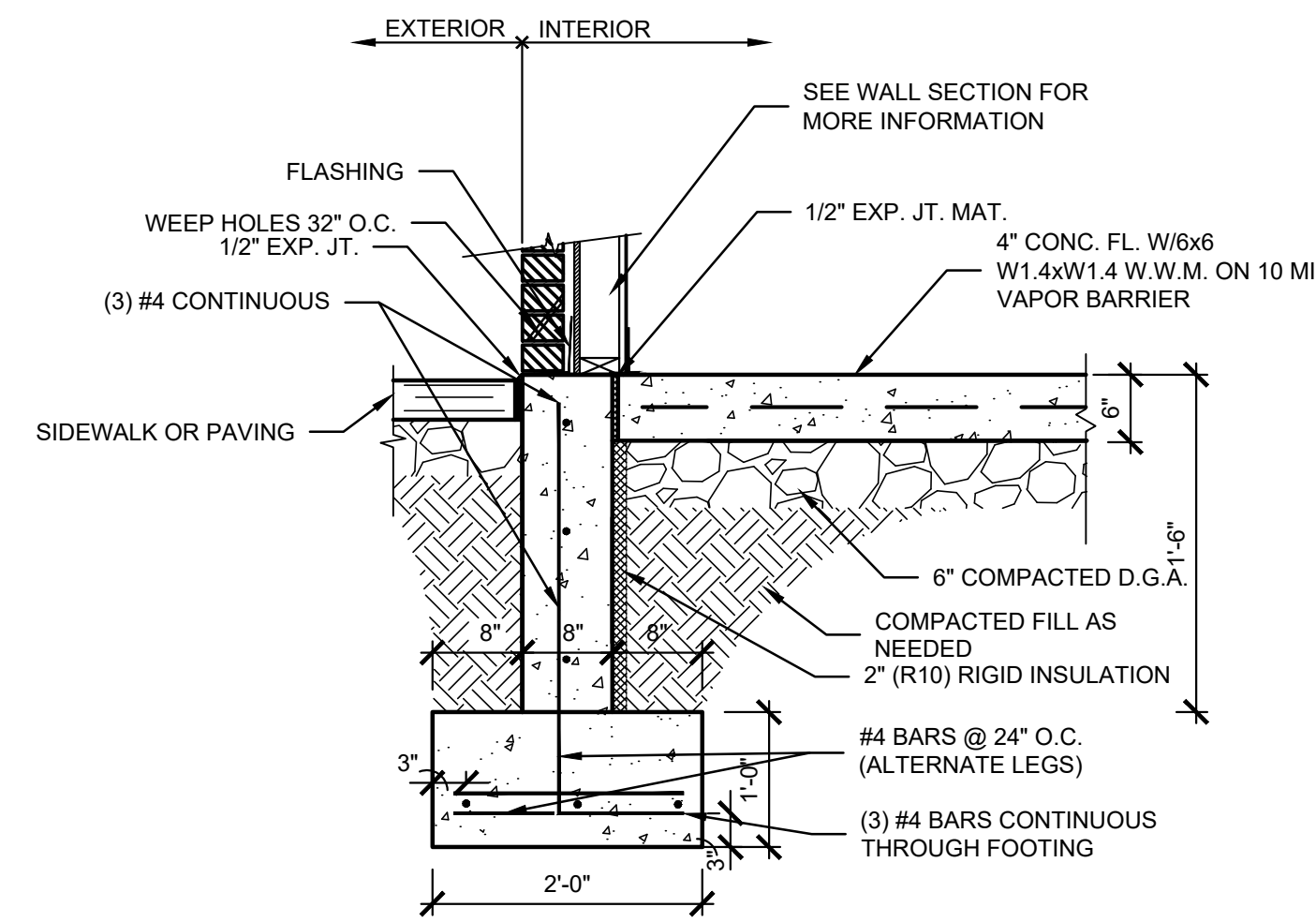
**01** WALK/CURB FOUNDATION DETAIL  
SCALE: 3/4" = 1'-0"



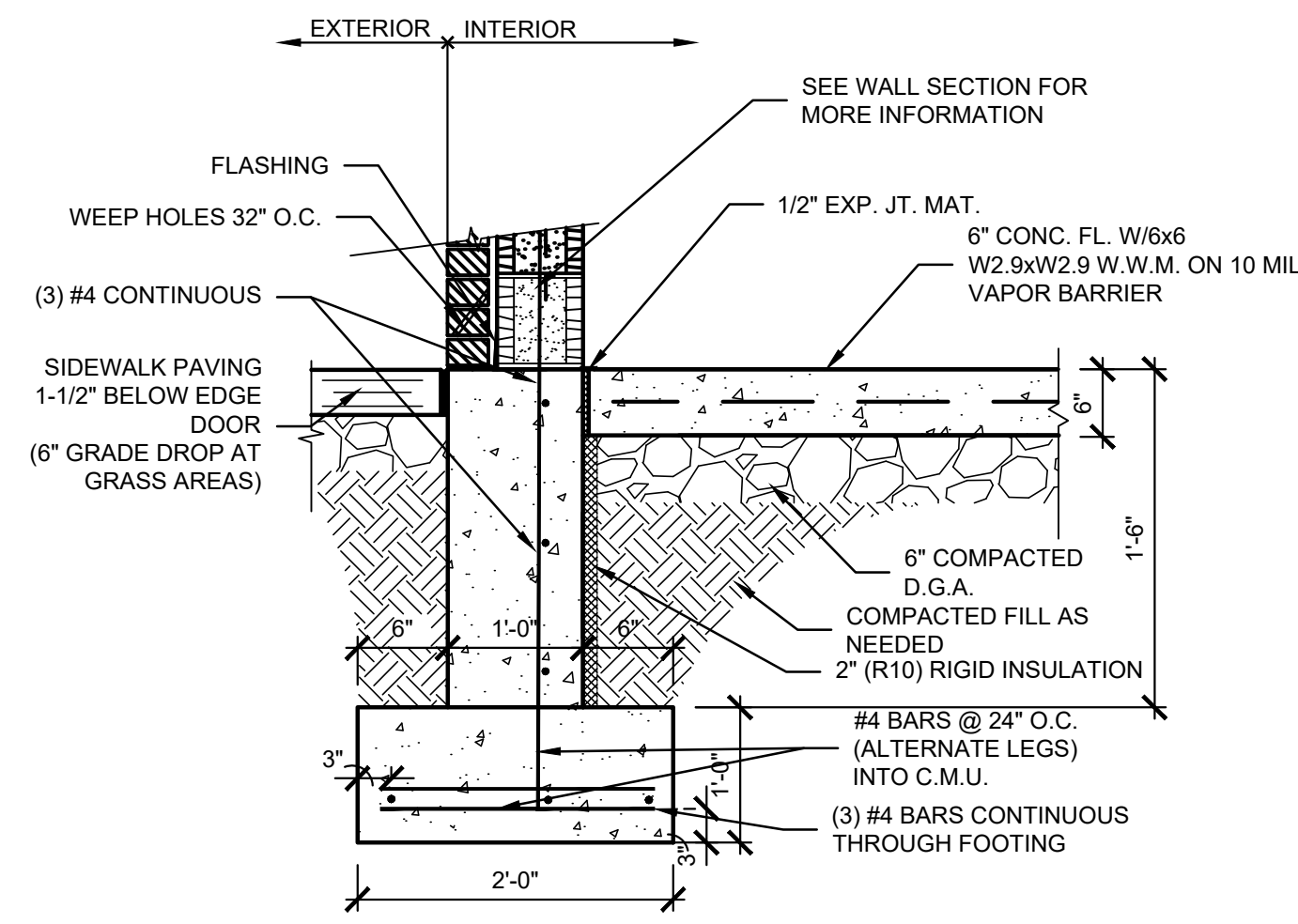
**02** TYPICAL FOUNDATION DETAIL  
SCALE: 3/4" = 1'-0"



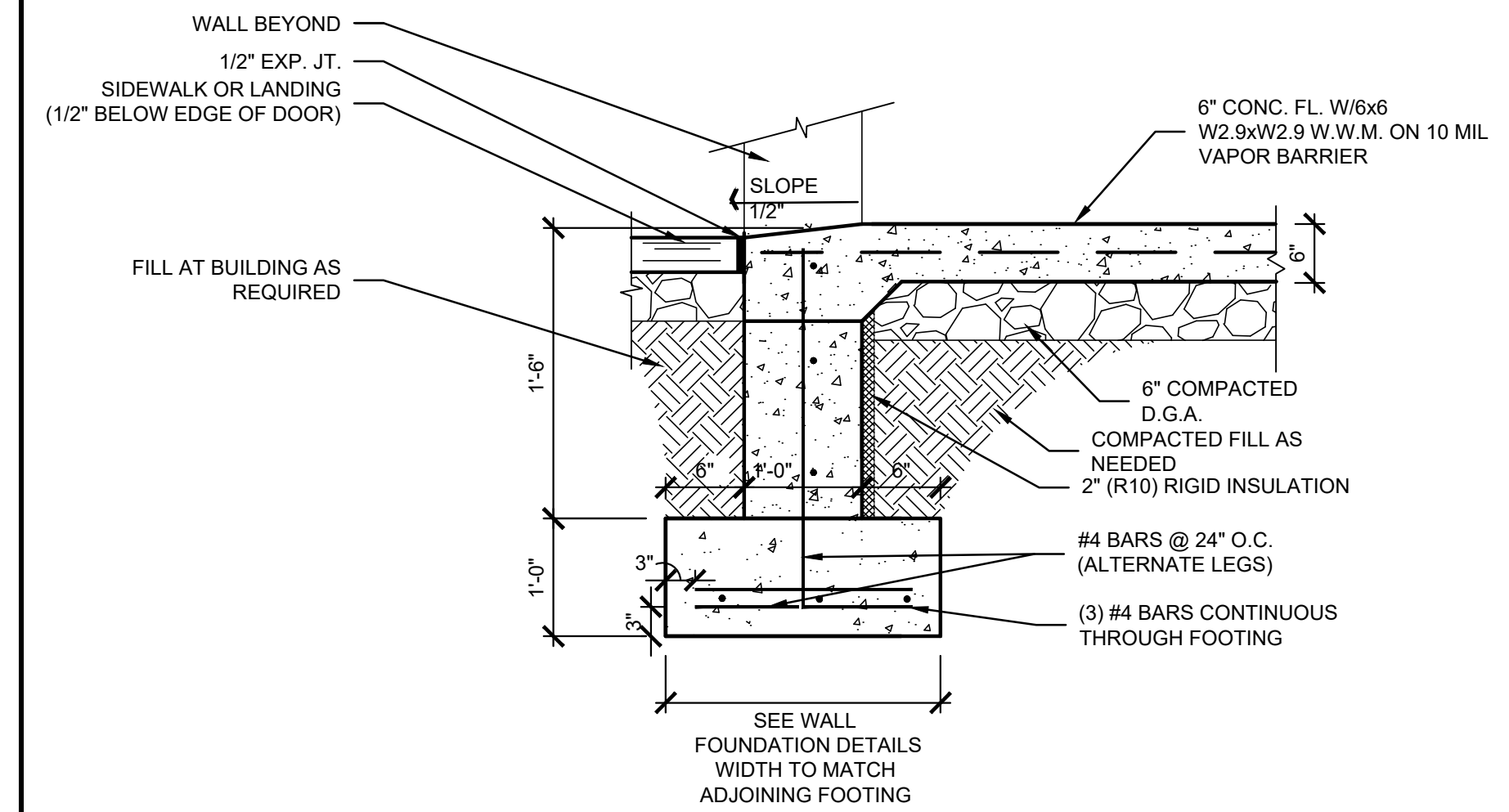
**03** FOUNDATION THROUGH DOOR  
SCALE: 3/4" = 1'-0"



**04** TYPICAL FOUNDATION DETAIL  
SCALE: 3/4" = 1'-0"

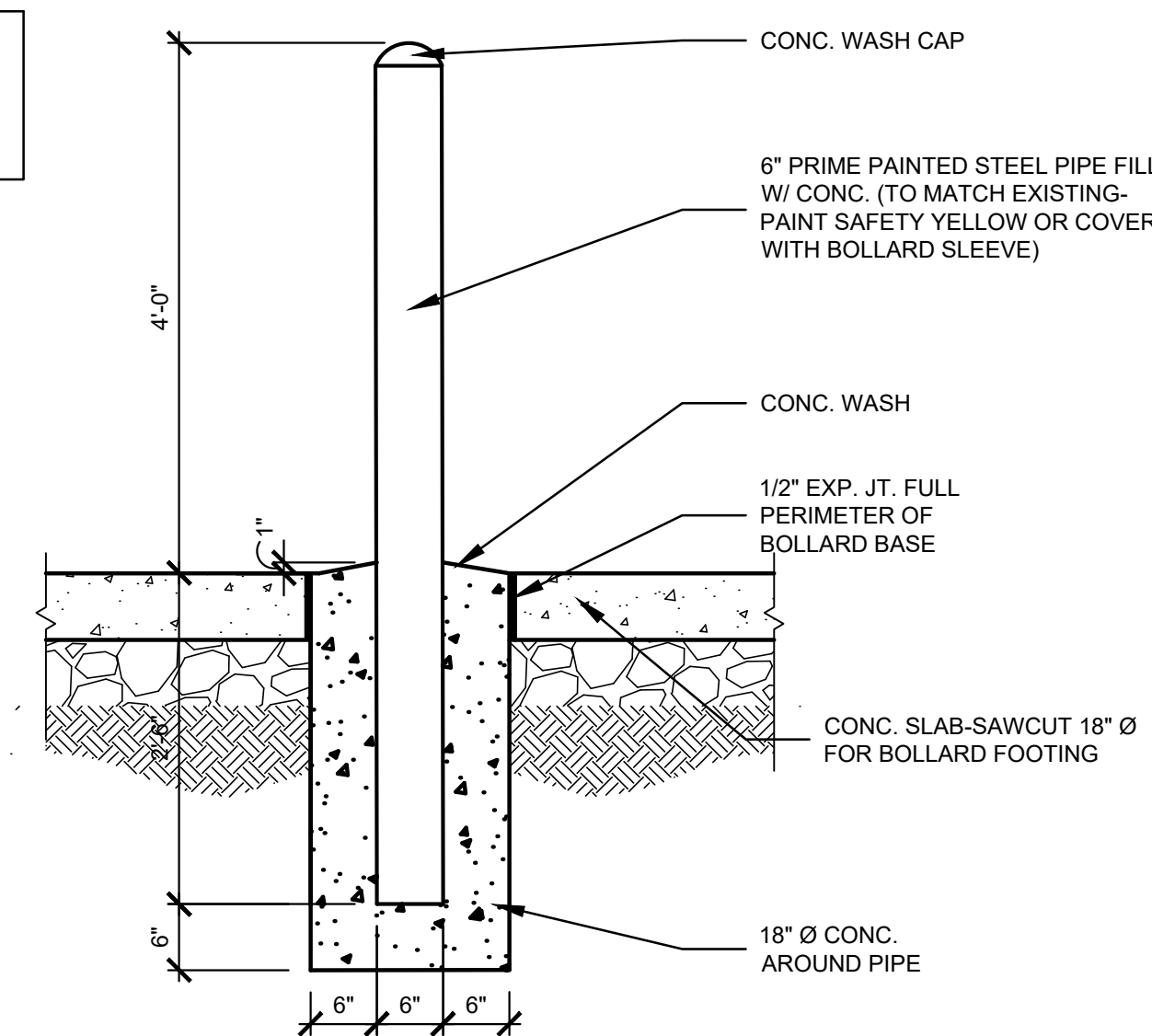


**05** TYPICAL FOUNDATION DETAIL  
SCALE: 3/4" = 1'-0"

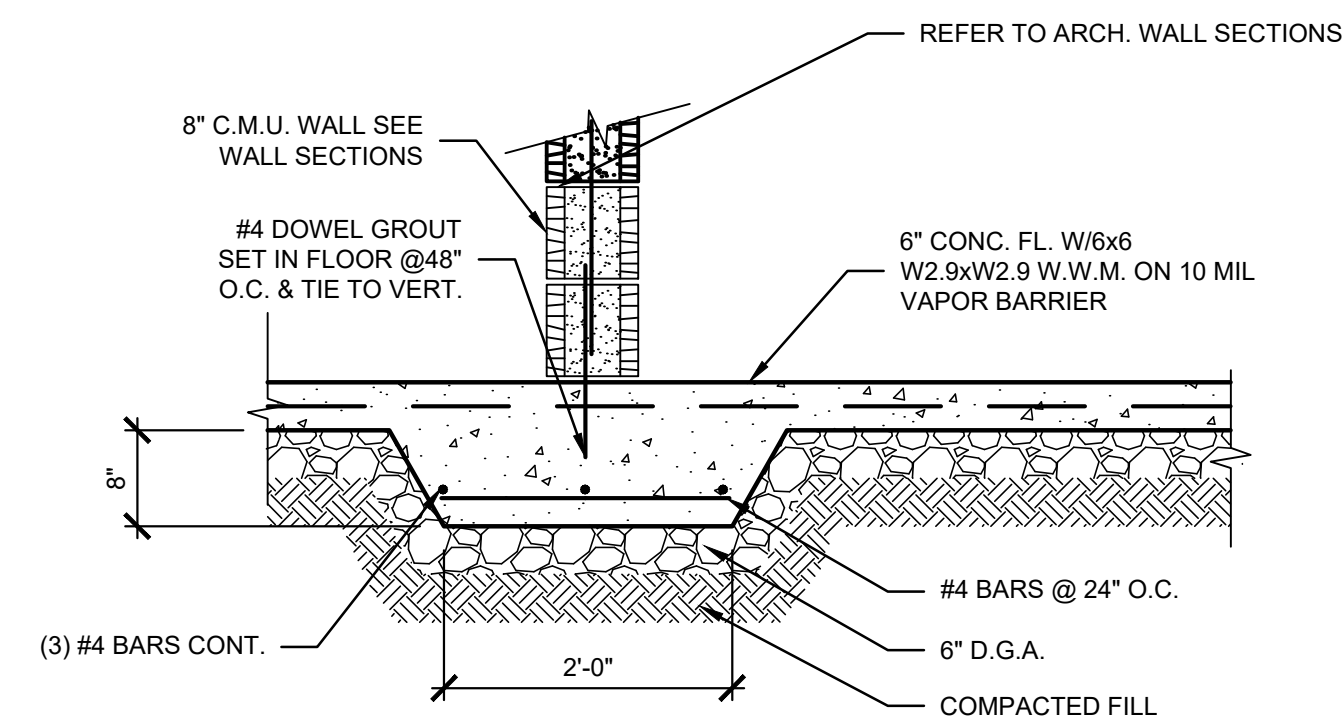


**06** FOUNDATION THROUGH DOOR  
SCALE: 3/4" = 1'-0"

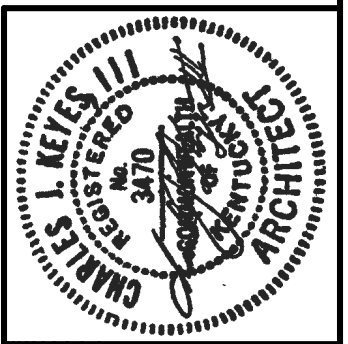
NOTE: BOLLARD CENTERED ON EDGE OF O.H. 1'-0" FROM BUILDING FACE



**07** PIPE BOLLARD DETAIL  
SCALE: 3/4" = 1'-0"



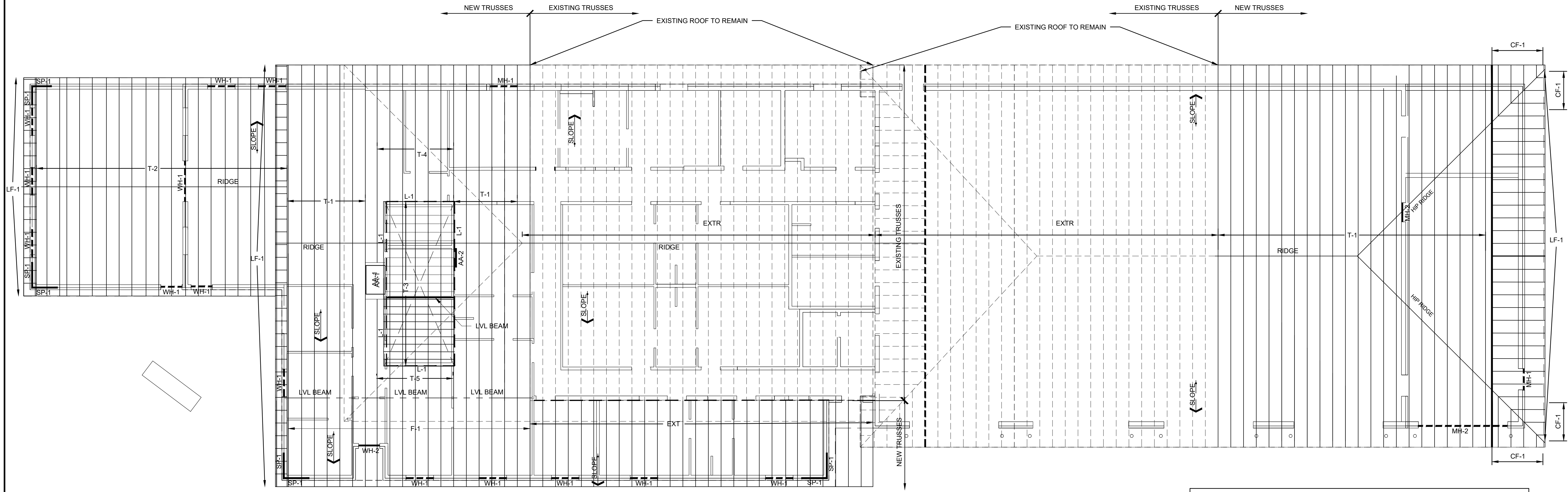
**08** THICKENED SLAB  
SCALE: 3/4" = 1'-0"



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FIRE STATION 1**  
4500 KERRICK LN.  
LOUISVILLE, KY 40258





**01** ROOF FRAMING PLANS  
SCALE: 1/8" = 1'-0"



**TRUSS SCHEDULE**

T-1	LARGE GABLE ROOF TRUSS @ 24" O.C.
T-2	SMALL GABLE TRUSS @ 24" O.C.
T-3	STICK FRAME 2x8 @ 24" O.C. WITH ROOM IN ATTIC AND 2X8 FLOOR JOIST AT MEZZ LEVEL.
T-4	SMALL GABLE TRUSS @24" O.C.
T-5	SMALL GABLE TRUSS @24" O.C.
T-6	SMALL GABLE TRUSS @24" O.C.
F-1	2x8 RAFTERS @24"o.c. WITH 2x6 CEILING JOIST
L-1	LOAD BEARING WALL
LF-1	LADDER FRAMING AS NEEDED TO CREATE GABLE ROOF
CF-1	CORNER TRUSS SET OR FRAMING @24" O.C.
SP-1	4X8 1/2" PLYWOOD SHEAR PANEL
AA-1	30"x60" 1/2" GYP. BD. ATTIC ACCESS - PLACE ATTIC ACCESS BETWEEN ROOF TRUSSES
AA-2	ATTIC ACCESS PANEL THROUGH THE WALL
EXTR	EXISTING TO REMAIN
EXT	EXTEND 2X6
WH-1	WOOD HEADER - 2x12
WH-2	WOOD HEADER - 2x8
MH-1	MASONRY HEADER - 8" U-SHAPE WITH #5 BAR
MH-2	MASONRY HEADER - 16" U-SHAPE WITH (2) #5 BAR (T&B)

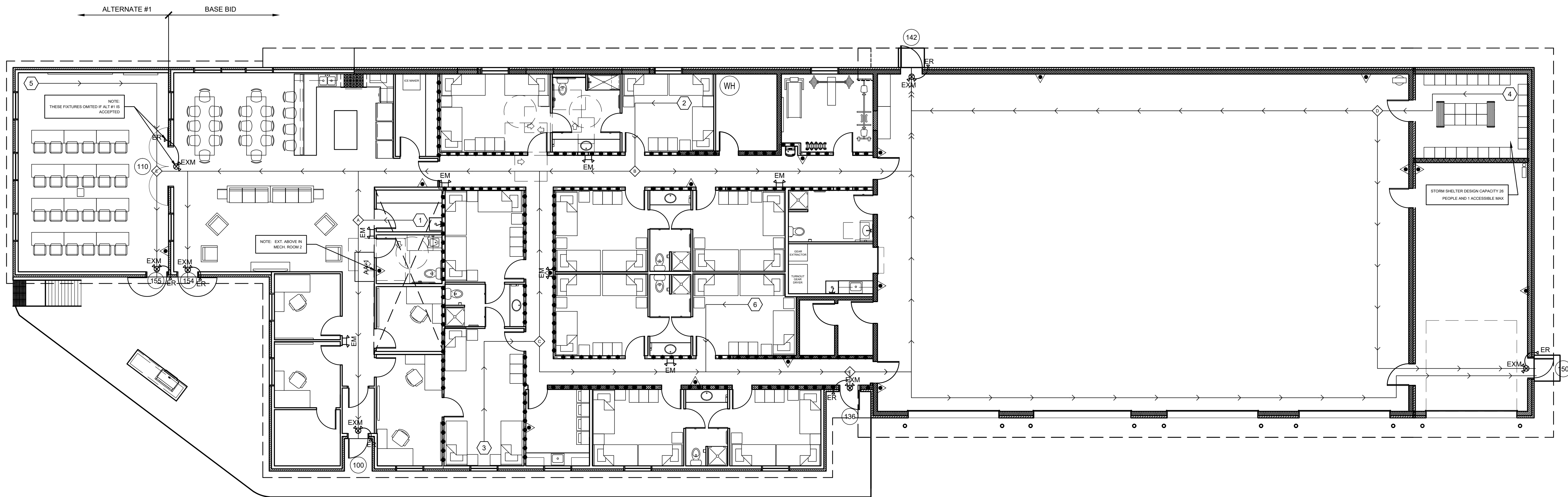
NOTE: ALL TRUSSES SHALL BE DESIGNED BY A KENTUCKY LICENSED STRUCTURAL ENGINEER. TRUSS DESIGN SHALL MEET ALL REQUIREMENTS OF THE KENTUCKY BUILDING CODE. SHOP DRAWINGS SHALL BE STAMPED BY A KENTUCKY LICENSED ENGINEER.

NOTE: COORDINATE ROOF TRUSS LOCATIONS WITH SEPARATION WALLS



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**01 LIFE SAFETY PLAN**  
SCALE: 1/8" = 1'-0"  
NORTH

CODE ANALYSIS- FULLY SPRINKLED PER N.F.P.A. 13 WET DRY SYSTEM.			
CATEGORY	CODE REFERENCE	REQUIREMENT/DESIGNATION	PROVIDED
CONSTRUCTION TYPE	TABLE 503 / 602		V-B
OCCUPANCY GROUPS	304.10000		MIXED B,R-2,S-2
OCCUPANCY LOAD	TABLE 1004.1.1	ACTUAL TOTAL OCCUPANTS	14 OCCUPANTS
	TABULAR	TOTAL OCCUPANTS	63 OCCUPANTS
ALLOWABLE AREA	TABLE 506	ONE STORY BUILDING PROVIDED SPRINKLED SYSTEM	11,219.76 S.F.
	SECTION 507		
EXIT CALCULATIONS	SECTION 1014.3	COMMON PATH OF EGRESS TRAVEL GROUP	100 FT
	SECTION 1017 TABLE 1017.2	EXIT ACCESS TRAVEL DISTANCE	250 FT
SEPARATED OCCUPANCIES	TABLE 508.4	1HR	1HR

FIRE SUPPRESSION		
TYPE	DESCRIPTION	MODEL#
▲	FIRE EXTINGUISHER	BY MANUFACTURER

NOTE: LOCATIONS TO BE VERIFIED BY FIRE MARSHAL.

LIFE SAFETY PATHWAYS								
LOCATION	COMMON PATH	TOTAL TRAVEL DISTANCE						
		DOOR NUMBER						
		EXIT 100	EXIT 136	EXIT 142	EXIT 150	EXIT 154	EXIT 155	
1	A	7'-7-1/2"	32'-10"	-	108'-0"	-	-	49'-5"
2	B	16'-2"	-	85'-2"	57'-10"	-	-	84'-7"
3	C	23'-1"	94'-7"	54'-9"	98'-9"	-	-	-
4	D	21'-0"	-	-	77'-9"	63'-4"	-	-
5	E	30'-11"	-	123'-10"	-	-	15'-7"	20'-4"
6	F	38'-3"	71'-6"	2'-1"	55'-7"	112'-5"		

PATHWAY KEY PLAN:  
 → : TRAVEL PATH W/ DIRECTION OF FLOW  
 (#) : TRAVEL PATH STARTING LOCATION, WHERE "#" = LOCATION COLUMN IN THIS TABLE.  
 (#) : COMMON PATH LOCATION, WHERE "#" = LOCATION COLUMN IN THIS TABLE.  
 (#) : EXIT DOOR LOCATION, WHERE "#" = DOOR IN THIS TABLE AND IN DOOR FINISH SCHEDULE.

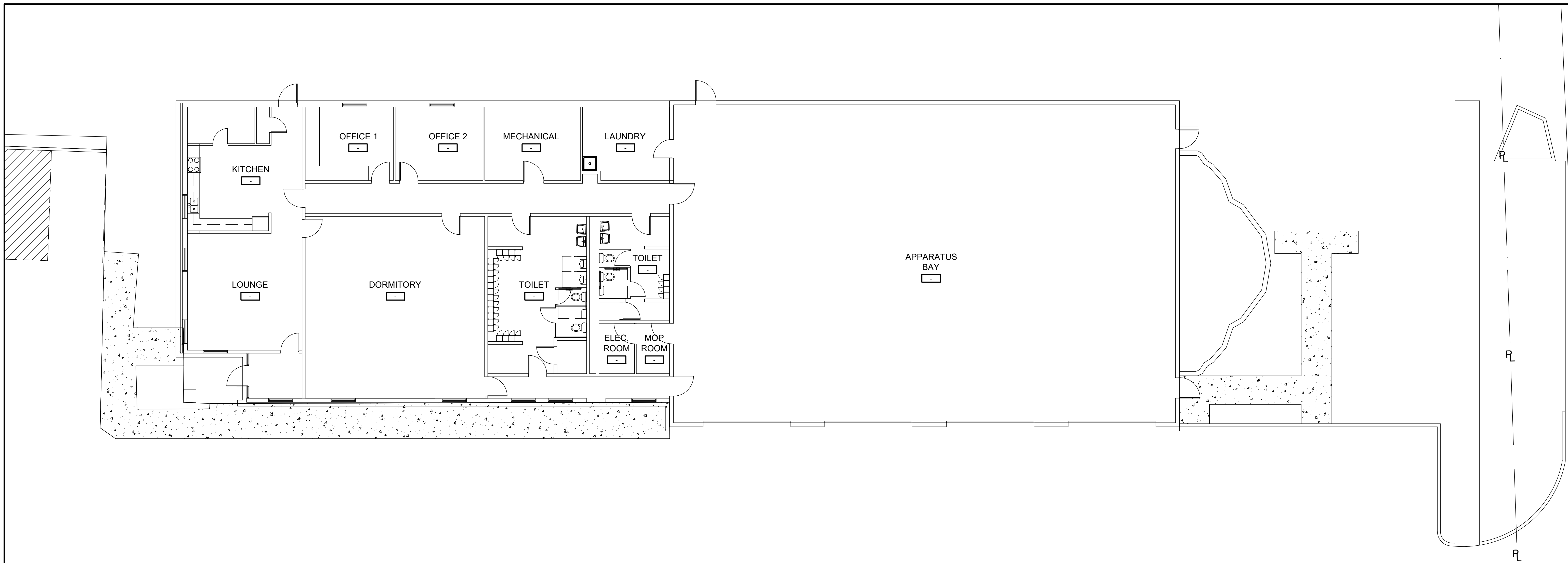
PROJECT: PLEASURE RIDGE PARK FIRE STATION 1 - FILE: LS1.01 Life Safety Plan.dwg - DATE: Apr 21, 2021 1:51 PM - BY: CAROLINA SOTO



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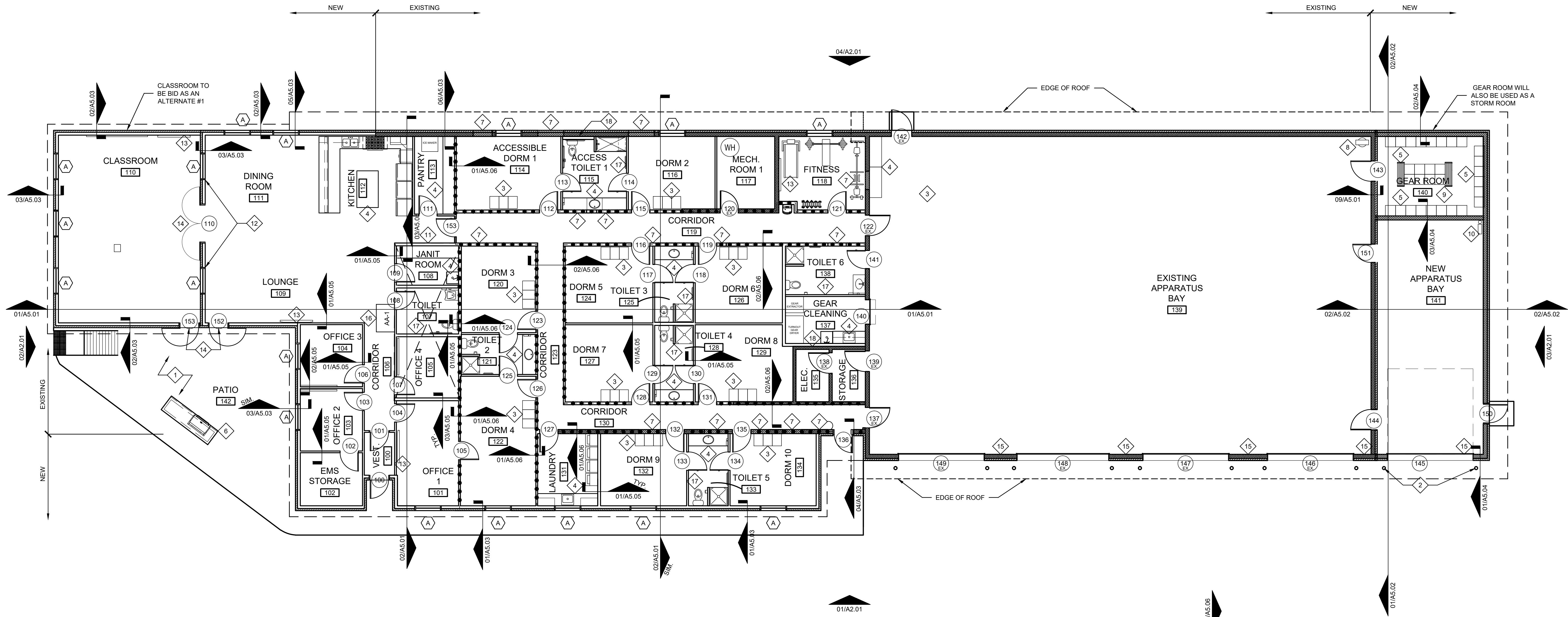
**01** EXISTING FLOOR PLAN  
SCALE: 1/8" = 1'-0"



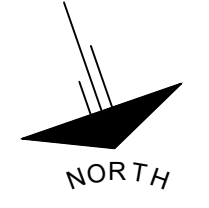
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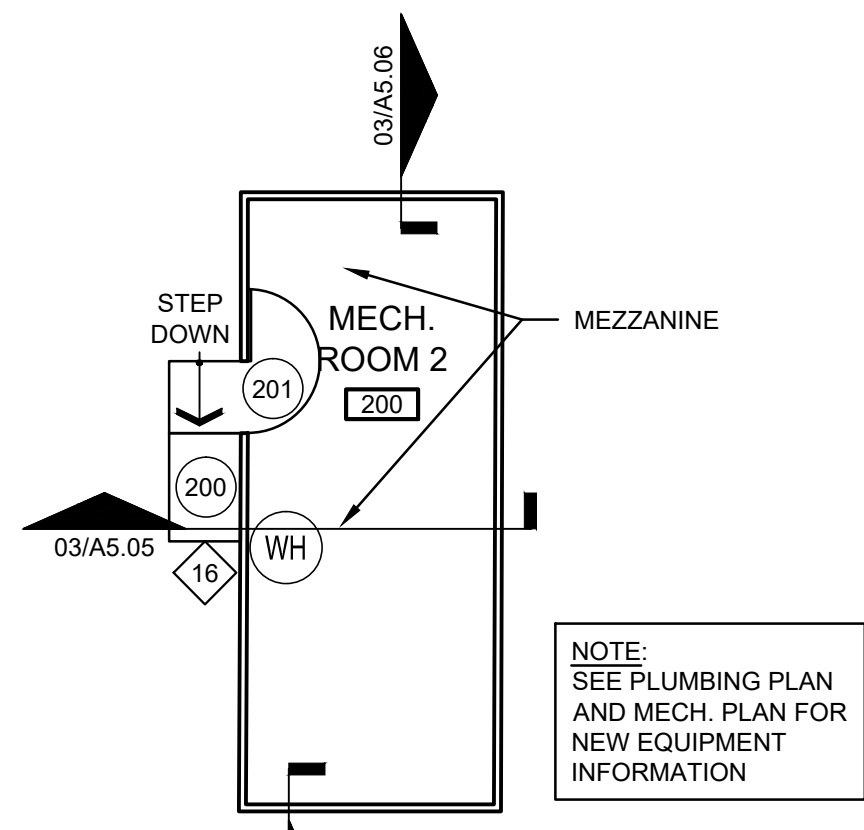
**01 FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



WALL LEGEND	
	EXISTING 8" CMU WALL WITH BRICK VENEER.
	EXISTING 8" CMU WALL WITH FURRING AND 5/8" GYP. BD. AND BRICK VENEER.
	NEW 8" CMU WALL WITH FURRING, 5/8" GYP. BD. AND BRICK VENEER.
	EXISTING 8" CMU WALL. W/ 5/8" GYP. BD. EACH SIDE
	2X4 STUDS WALL @ 16" O.C. W/ 5/8" GYP. BD. EACH SIDE
	NEW 2X6" STUD WALL @ 16" O.C. W/ 5/8" GYP. BD. WITH EXTERIOR GRADE SHEATHING AND BRICK VENEER.
	NEW 2X4" OR 2X6" STUDS (WHERE SHOWN) @ 16" O.C. - FIRE SEPARATION-SEE DETAIL-01/A5.06 & 02/A5.06

\*ALL MATERIALS ARE SIZES LISTED IN THIS LEGEND UNLESS OTHERWISE DIMENSIONED ON THIS PLAN OR SPECIFIED IN THE DETAILS AT A DIFFERENT SIZE

SHEET NOTES:	
1	CONCRETE PATIO-SEE FOUNDATION PLAN
2	PIPE BOLLARD-SEE FOUNDATION PLANS
3	DORM ROOM LOCKERS- SEE DETAIL 02/A7.03
4	CABINETRY- SEE SHEET A 7.01
5	GEARGRID EQUIPMENT STORAGE SEE EQ 1.01
6	GRILL-SEE EQUIPMENT EQ1.01
7	INFILL WALL MATCH EXISTING THICKNESS, MATERIALS AND FINISHES.
8	20 GAL. AIR COMPRESSOR HARSH FIELD CAMPBELL- SEE EQ1.01
9	GEAR GRID BENCH-SEE EQ1.01
10	SPRINKLER RISER
11	MEZZANINE ABOVE
12	OMIT WINDOWS IF ALT # 1 IS ACCEPTED
13	TV - BY OWNER
14	CONSIDER DOOR IF ALT #1 IS ACCEPTED
15	TRAFFIC CONTROL SWITCH
16	PULL DOWN ATTIC STAIRS-SEE DETAIL 06/A7.04
17	SEE ENLARGED TOILET PLANS-SHEETS A3.01 & A3.02
18	ADD NEW 2X6 STUD GYP. BD. WALL TO ALLOW FOR PLUMBING-THIS AREA
19	STORM ROOM VENTS - 8'-0" A.F.F. @ NEAREST C.M.U. COURSING



**02 MEZZANINE FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

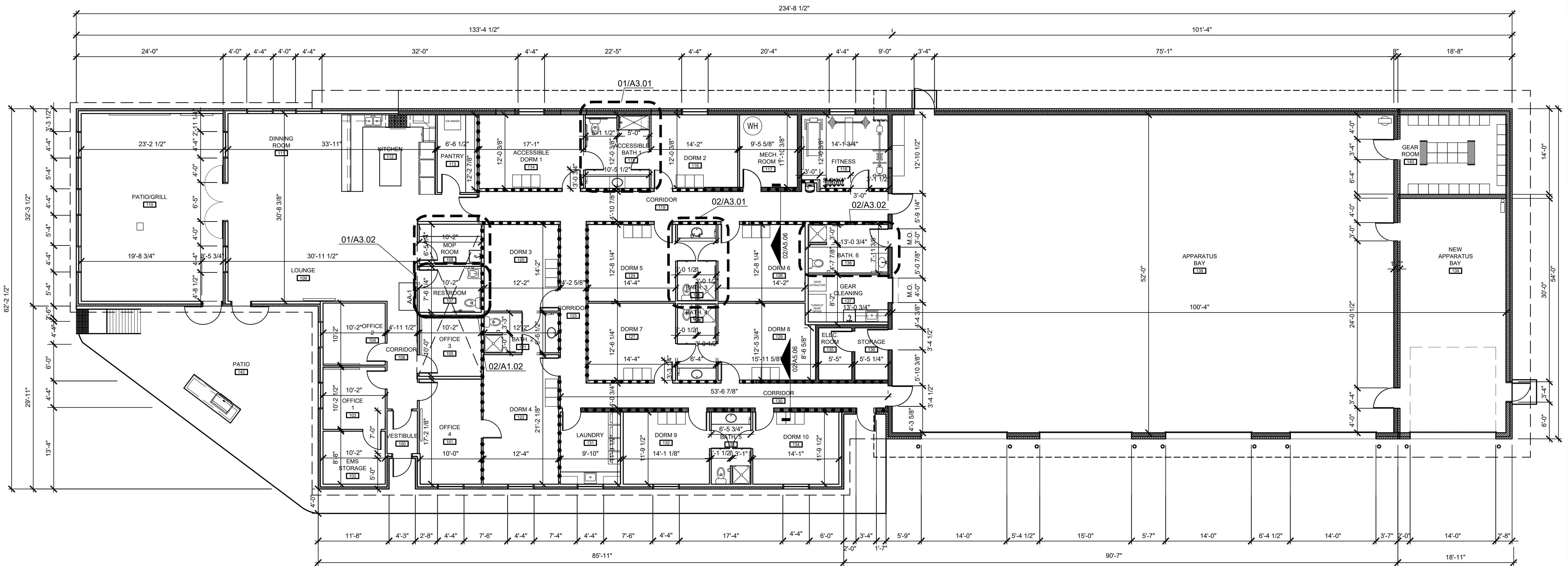
NOTE: SEE EXTINGUISHER LOCATIONS ON LIFE SAFETY PLAN  
**NOTE:** ALL DIMENSIONS ARE TO FACE OF STUD  
**NOTE:** GENERAL CONTRACTOR RESPONSIBLE FOR COORDINATION OF ALL SUB TRADES AND REQUIREMENTS BY OWNER  
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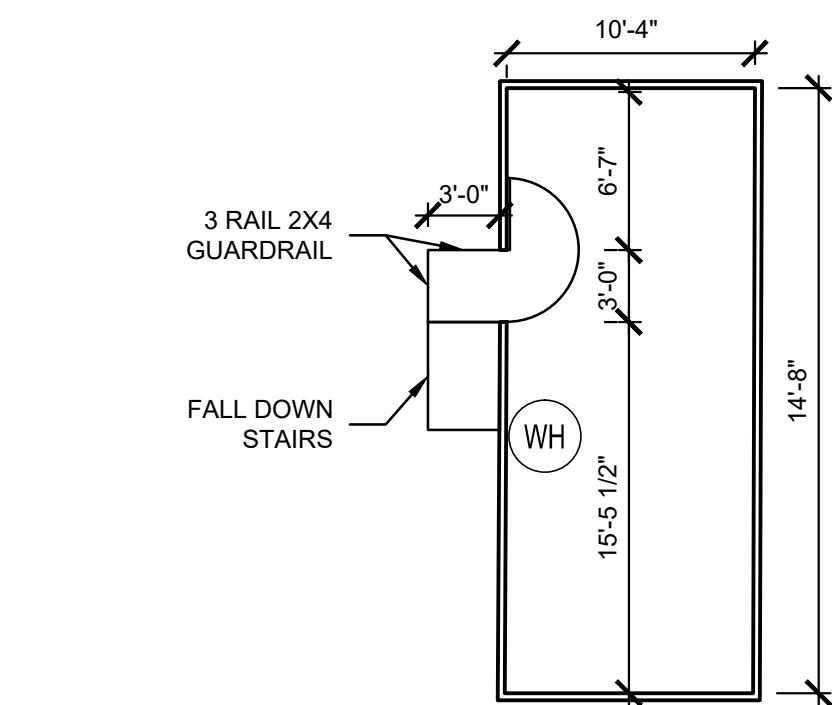


**01 FLOOR DIMENSION PLAN**  
SCALE: 1/8" = 1'-0"



WALL LEGEND	
	EXISTING 8" CMU WALL WITH BRICK VENEER.
	EXISTING 8" CMU WALL WITH FURRING AND 5/8" GYP. BD. AND BRICK VENEER.
	NEW 8" CMU WALL WITH FURRING, 5/8" GYP. BD. AND BRICK VENEER.
	EXISTING 8" CMU WALL, W/ 5/8" GYP. BD. EACH SIDE
	2X4 STUDS WALL @ 16" O.C. W/ 5/8" GYP. BD. EACH SIDE
	NEW 2X6" STUD WALL @ 16" O.C. W/ 5/8" GYP. BD. WITH EXTERIOR GRADE SHEATHING AND BRICK VENEER.
	NEW 2X4" OR 2X6" STUDS (WHERE SHOWN) @ 16" O.C. FIRE SEPARATION-SEE DETAIL-01/A5.06 & 02/A5.06

\*ALL MATERIALS ARE SIZES LISTED IN THIS LEGEND UNLESS OTHERWISE DIMENSIONED ON THIS PLAN OR SPECIFIED IN THE DETAILS AT A DIFFERENT SIZE



**02 MEZZANINE DIMENSION PLAN**  
SCALE: 1/8" = 1'-0"

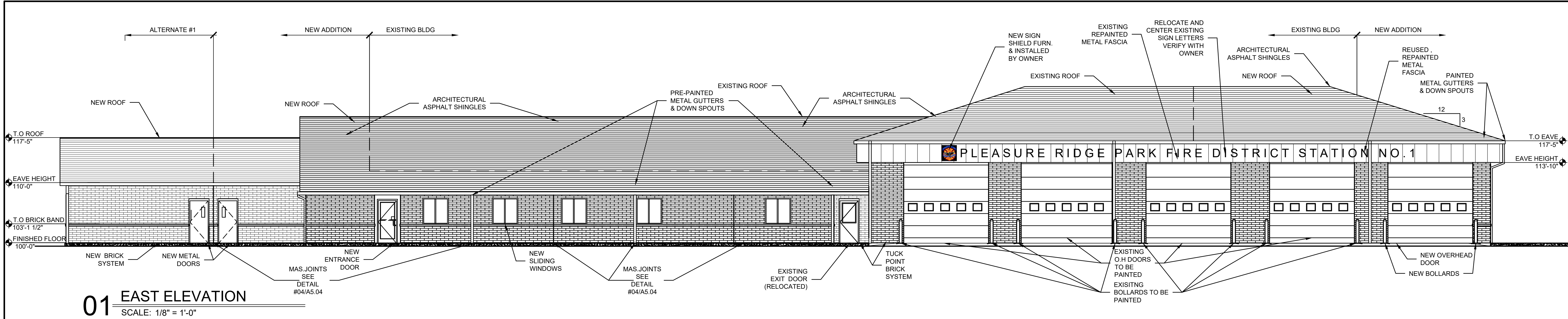
NOTE:  
ALL DIMENSIONS ARE FROM STUD TO STUD OR CMU TO STUD.

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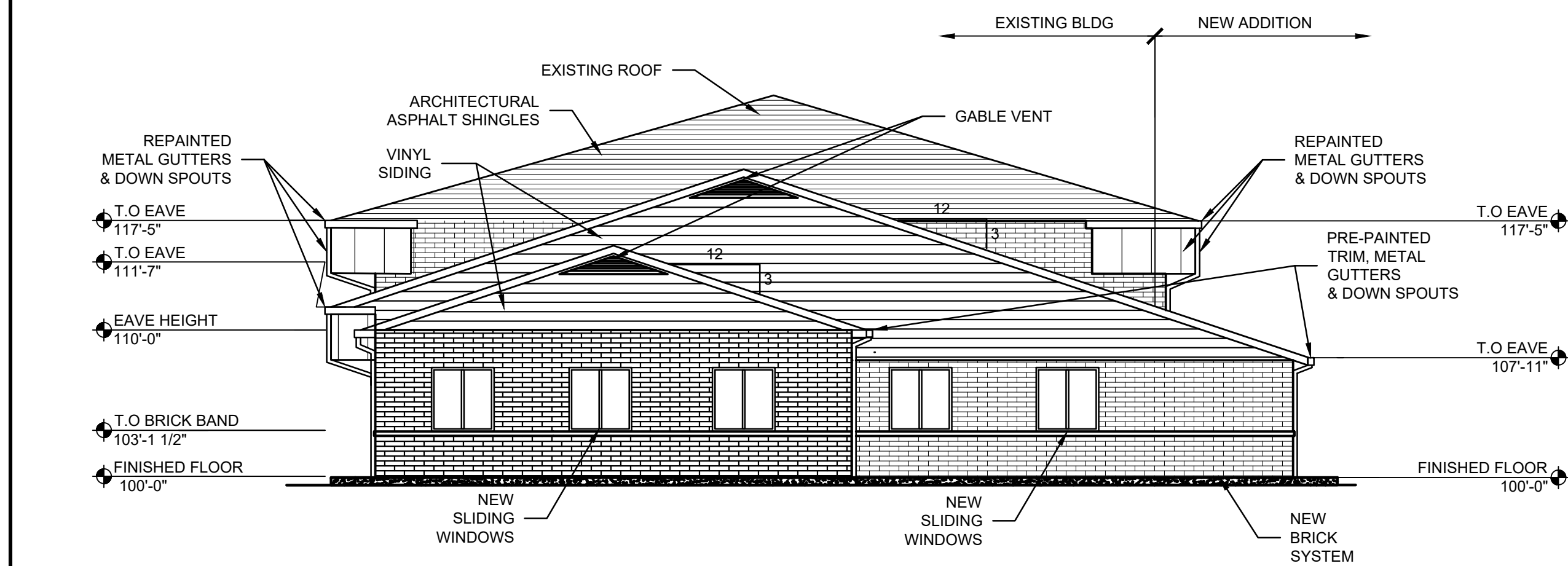


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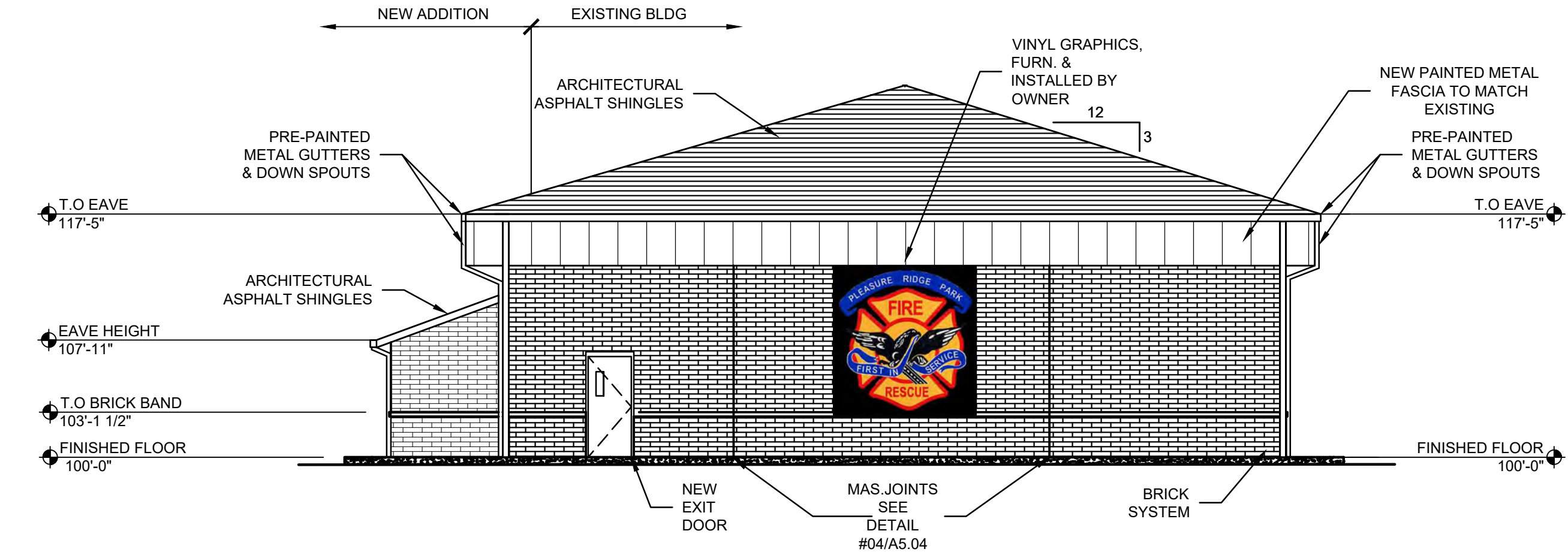
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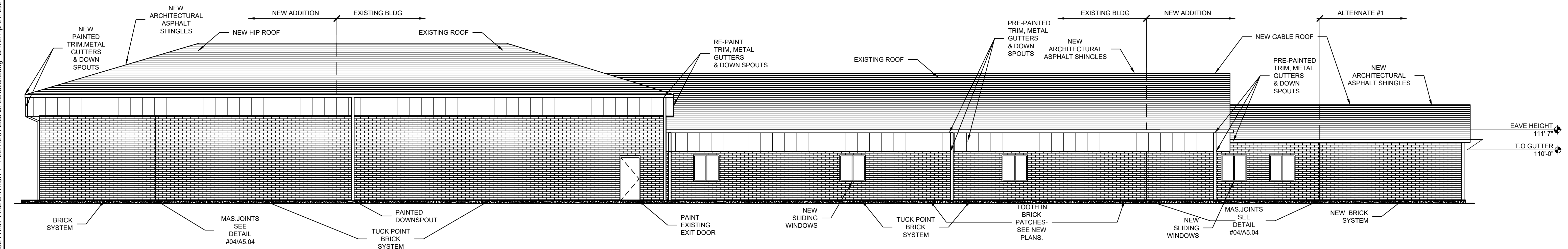
**01 EAST ELEVATION**  
SCALE: 1/8" = 1'-0"



**02 SOUTH ELEVATION - SHOWING ALTERNATE #1**  
SCALE: 1/8" = 1'-0"



**03 NORTH ELEVATION**  
SCALE: 1/8" = 1'-0"



**04 WEST ELEVATION**  
SCALE: 1/8" = 1'-0"



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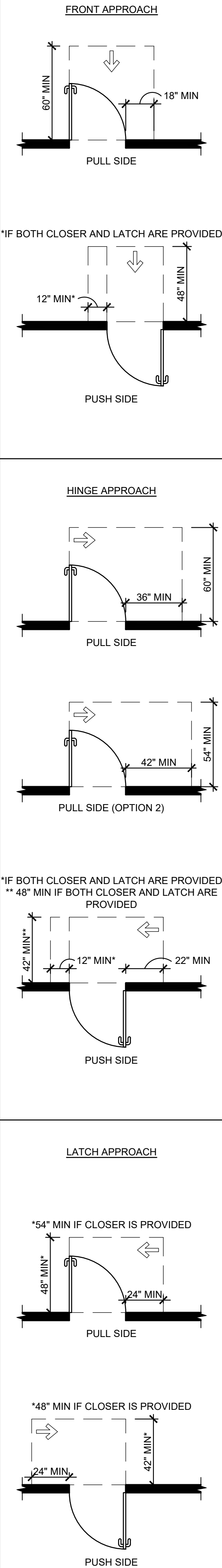
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EXTERIOR ELEVATIONS

**A2.01**

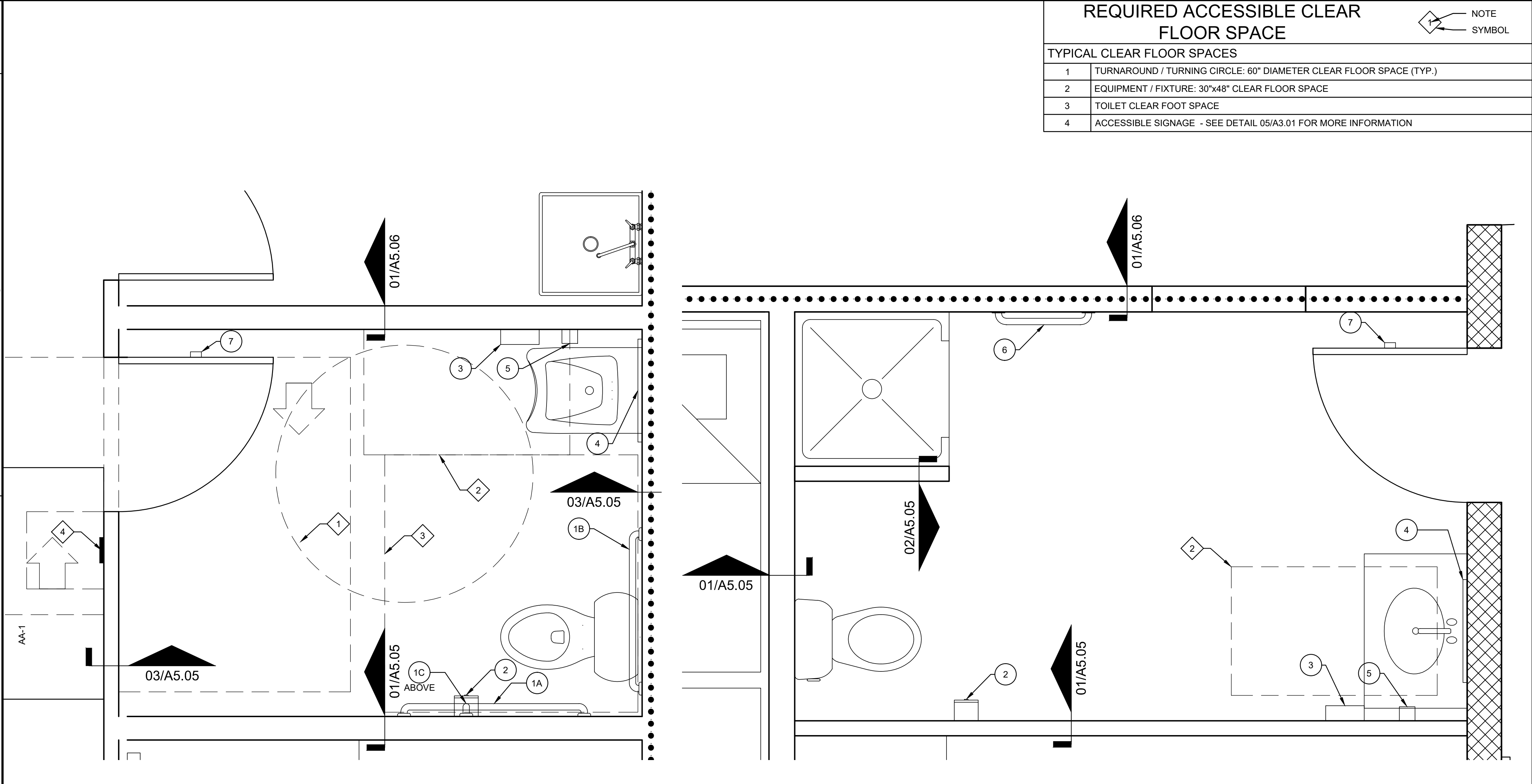
**REQUIRED DOOR ACCESSIBLE CLEAR FLOOR SPACE**



**REQUIRED ACCESSIBLE CLEAR FLOOR SPACE**

NOTE SYMBOL

TYPICAL CLEAR FLOOR SPACES	
1	TURNAROUND / TURNING CIRCLE: 60" DIAMETER CLEAR FLOOR SPACE (TYP.)
2	EQUIPMENT / FIXTURE: 30"x48" CLEAR FLOOR SPACE
3	TOILET CLEAR FOOT SPACE
4	ACCESSIBLE SIGNAGE - SEE DETAIL 05/A3.01 FOR MORE INFORMATION



**01 TOILET ACCESSIBILITY PLAN ROOM-107**  
SCALE: 3/4" = 1'-0"

**02 TOILET PLAN ROOM-138**  
SCALE: 3/4" = 1'-0"

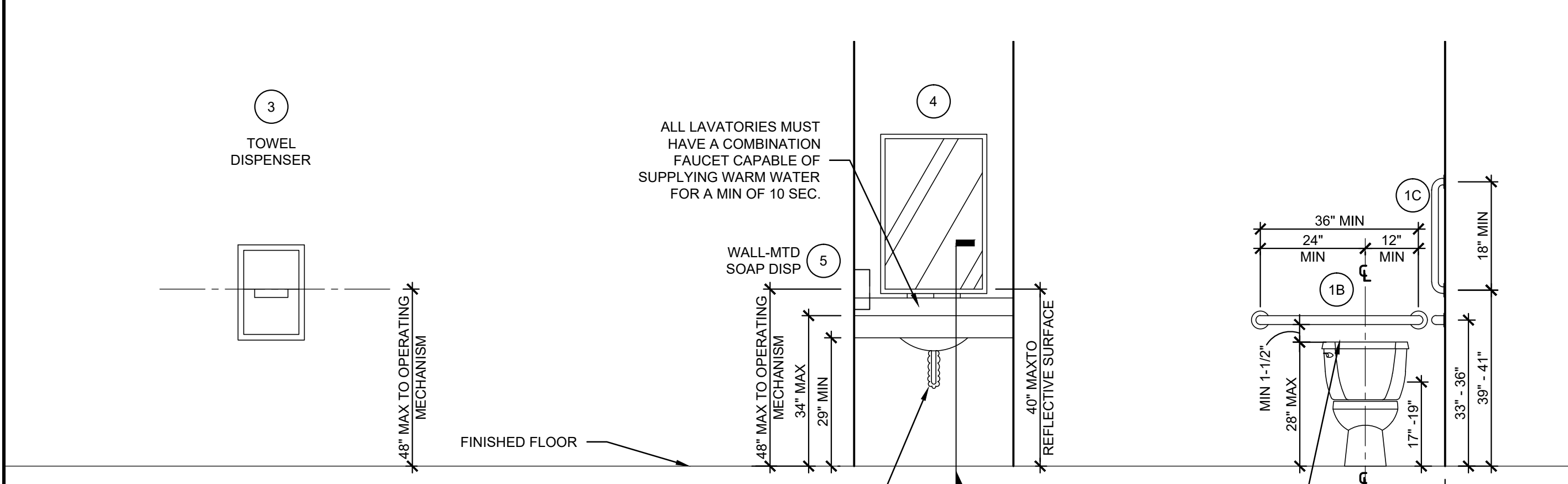
MEETS THE STRICTEST INTERPRETATION OF BOTH THE ANSI 117.1 AND 2010 FEDERAL ADA STANDARDS FOR ACCESSIBLE DESIGN

NOTE:  
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**RESTROOM ACCESSORIES SCHEDULE**

ITEM (SEE NOTE 2)	MODEL #	SUPPLIER	BACKUP SUPPORT (SEE NOTE 3)
(1A) GRAB BAR 42"	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
(1B) GRAB BAR 36"	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
(1C) GRAB BAR 24" (18" MIN)	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
(2) TOILET TISSUE DISPENSER, DOUBLE, SURFACE MOUNTED (SEE NOTE 4)	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
(3) TOWEL DISPENSER	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS

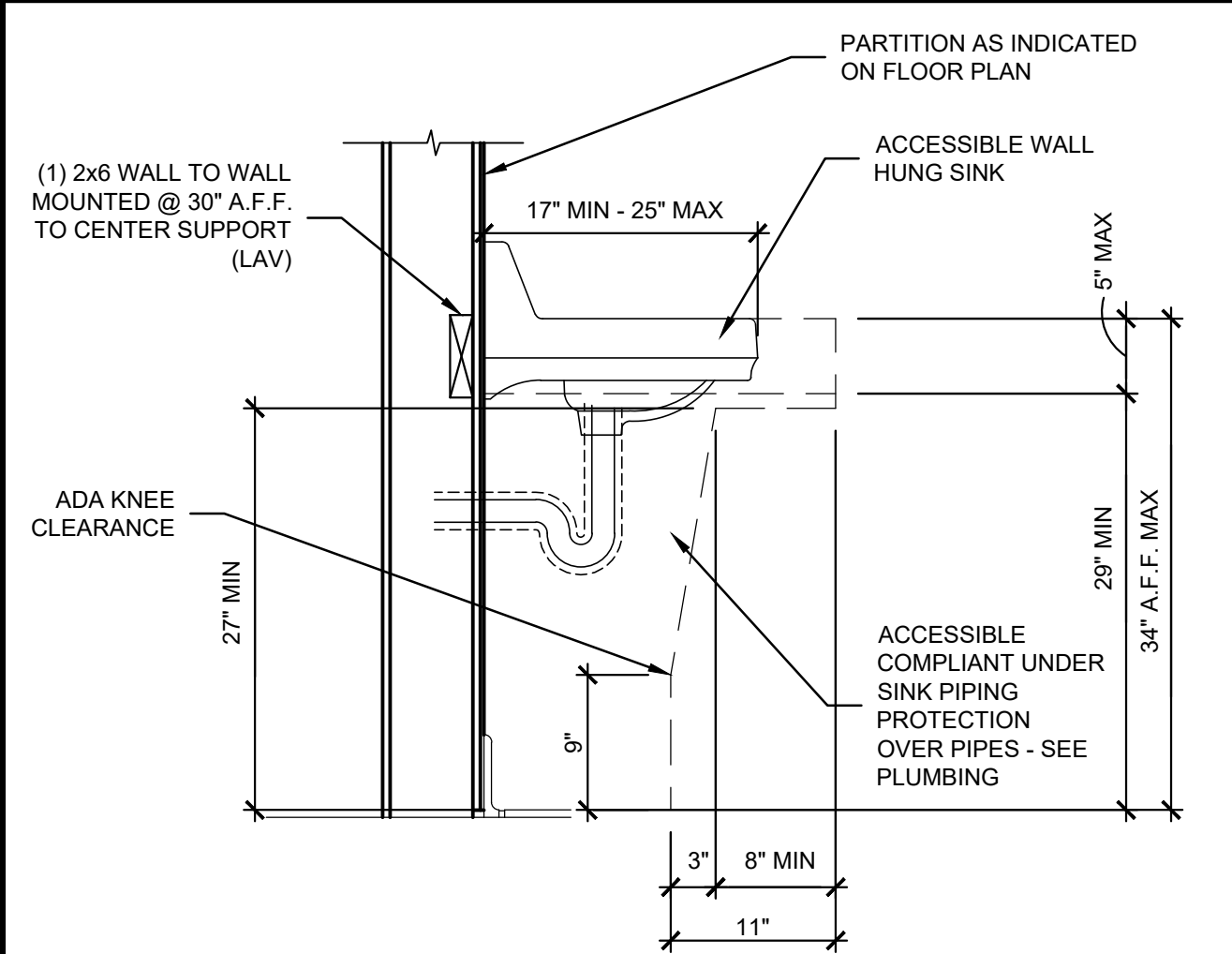
ITEM (SEE NOTE 2)	MODEL #	SUPPLIER	BACKUP SUPPORT (SEE NOTE 3)
(4) MIRROR, CHANNEL FRAME	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
(5) SOAP DISPENSER, COUNTER MOUNTED, 6" SPOUT (OPTIONAL)	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
(6) DOUBLE 24" TOWEL RACK	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
(7) 2 ROBE HOOK	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS



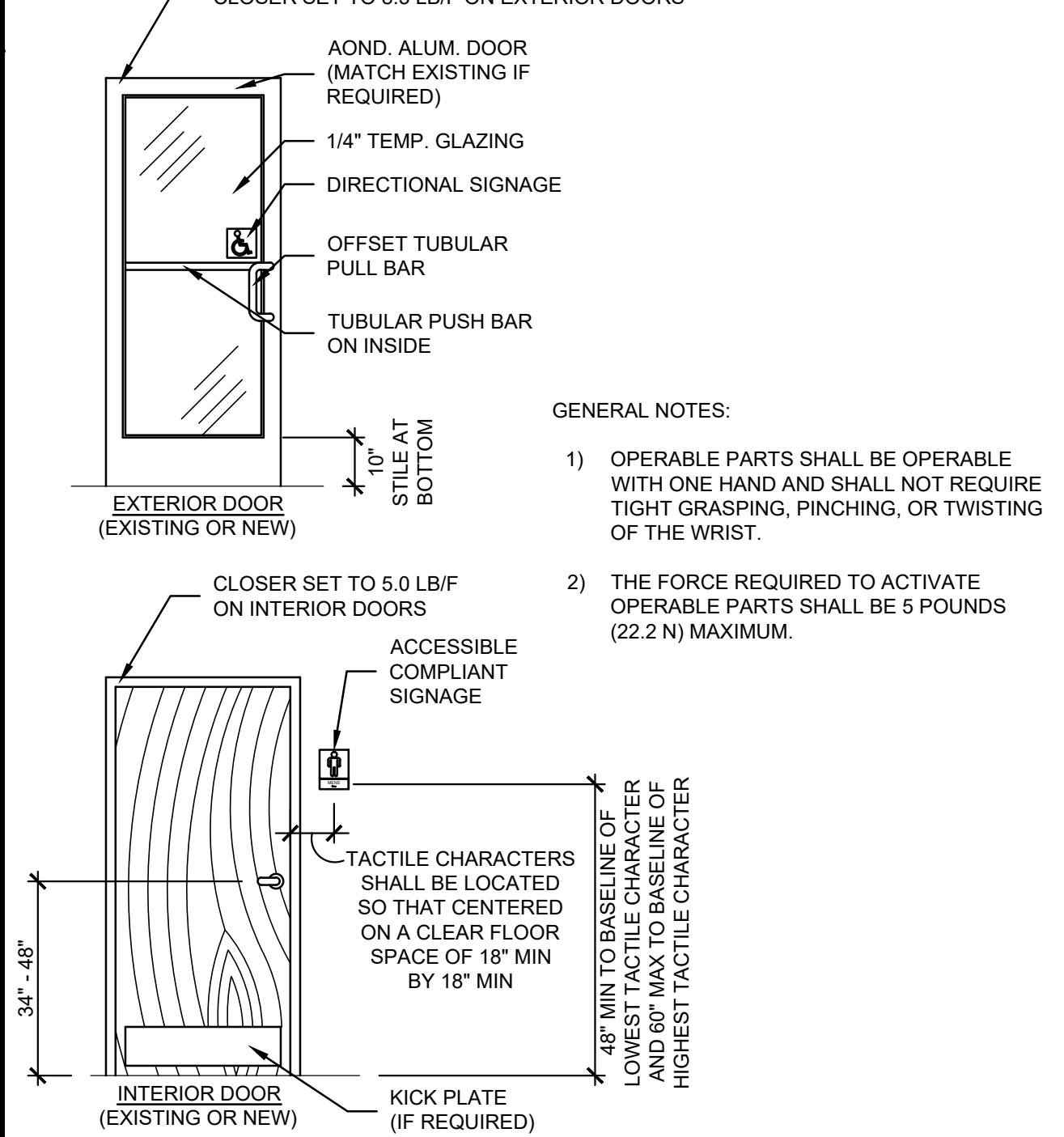
**03 TYPICAL ACCESSIBLE RESTROOM DETAILS**  
SCALE: 1/2" = 1'-0"

ADA / ANSI A117.1 COMPLIANT UNDER SINK PIPING PROTECTION - SEE PLUMBING SPECS.

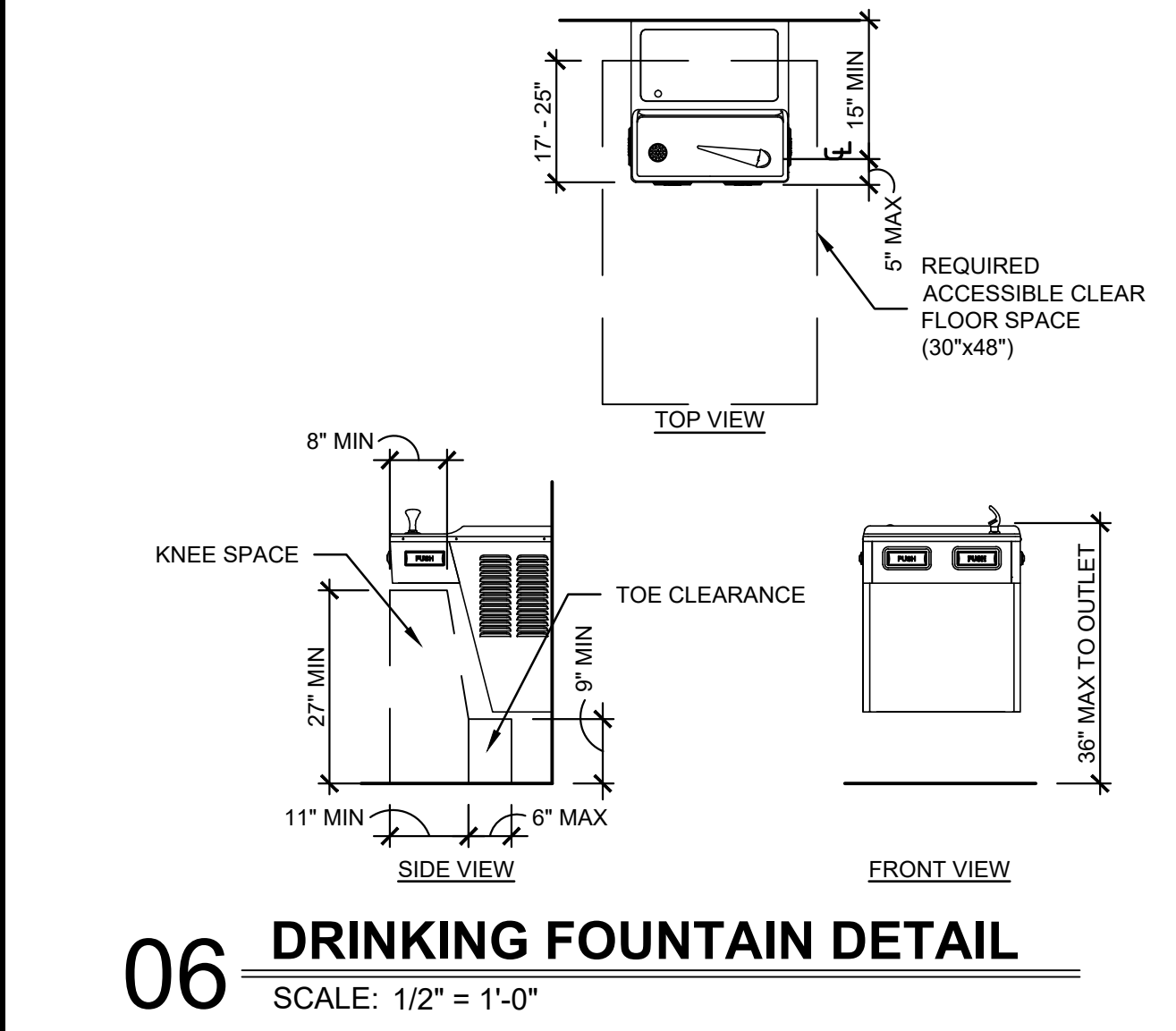
WATER CLOSET FLUSH CONTROL TO BE LOCATED ON THE WIDE SIDE OF ACCESSIBLE STALL FIXTURE



**04 LAVATORY DETAIL**  
SCALE: 1" = 1'-0"



**05 DOOR SIGN / DOOR DETAIL**  
SCALE: 3/8" = 1'-0"



**06 DRINKING FOUNTAIN DETAIL**  
SCALE: 1/2" = 1'-0"

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PROJECT NO: 20-4017  
DRAWN BY: CS/  
DATE: 04-20-2021

KEYES ARCHITECTS & ASSOCIATES  
4717 PRESTON HIGHWAY  
LOUISVILLE, KENTUCKY 40213 (502) 636-5113

RENOVATION FOR:  
**PLEASURE RIDGE PARK FIRE STATION 1**  
4500 KERRICK LN.  
LOUISVILLE, KY 40258

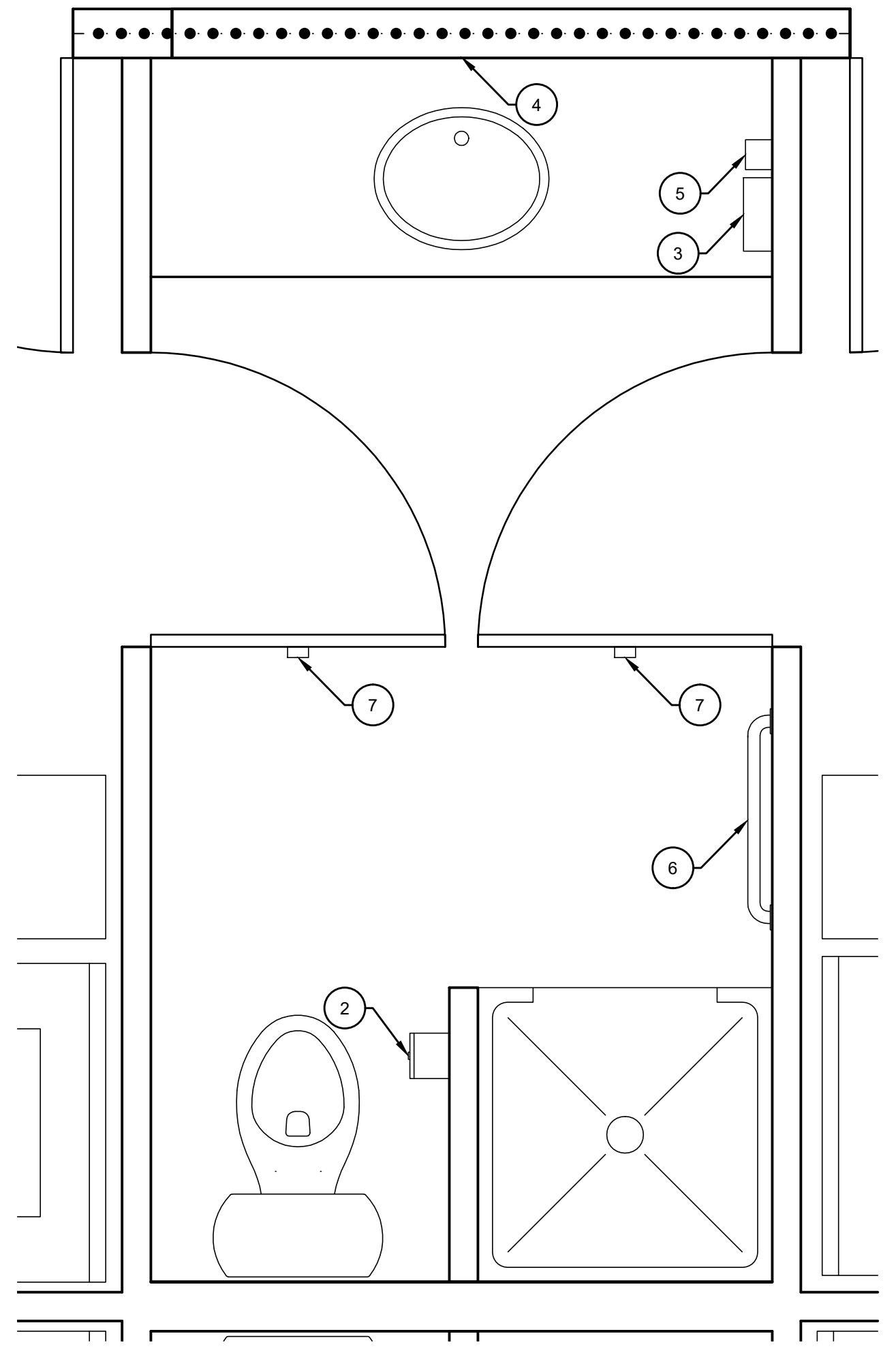
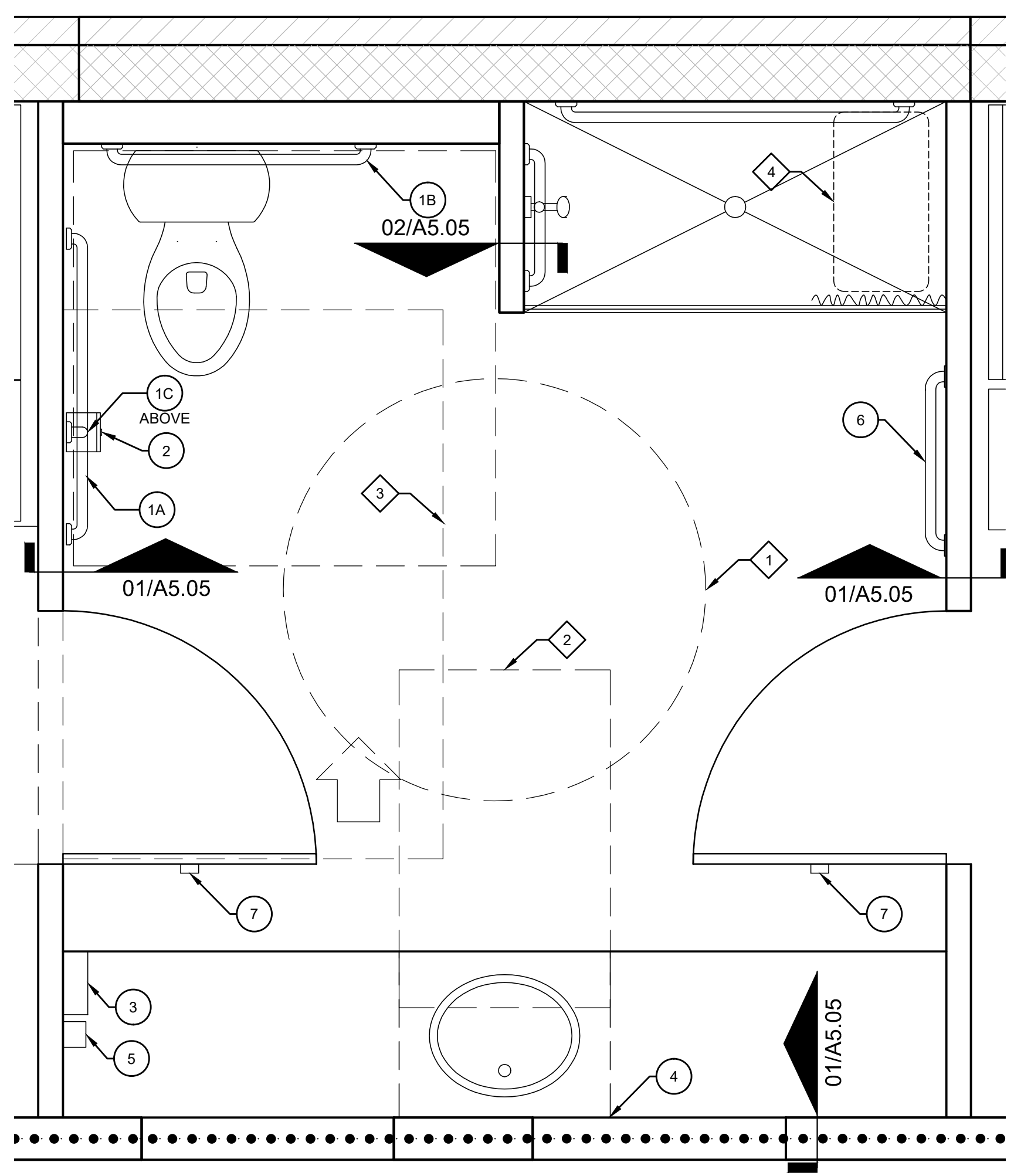
COMMERCIAL ADA-ANSI GUIDELINES  
**A3.01**

PROJECT: PLEASURE RIDGE PARK FIRE STATION 1 - FILE: A3.01 Commercial ADA-Ansi Guidelines.dwg - DATE: Apr 21, 2021 2:38PM - BY: CAROLINA SOTO

**REQUIRED ACCESSIBLE CLEAR FLOOR SPACE**

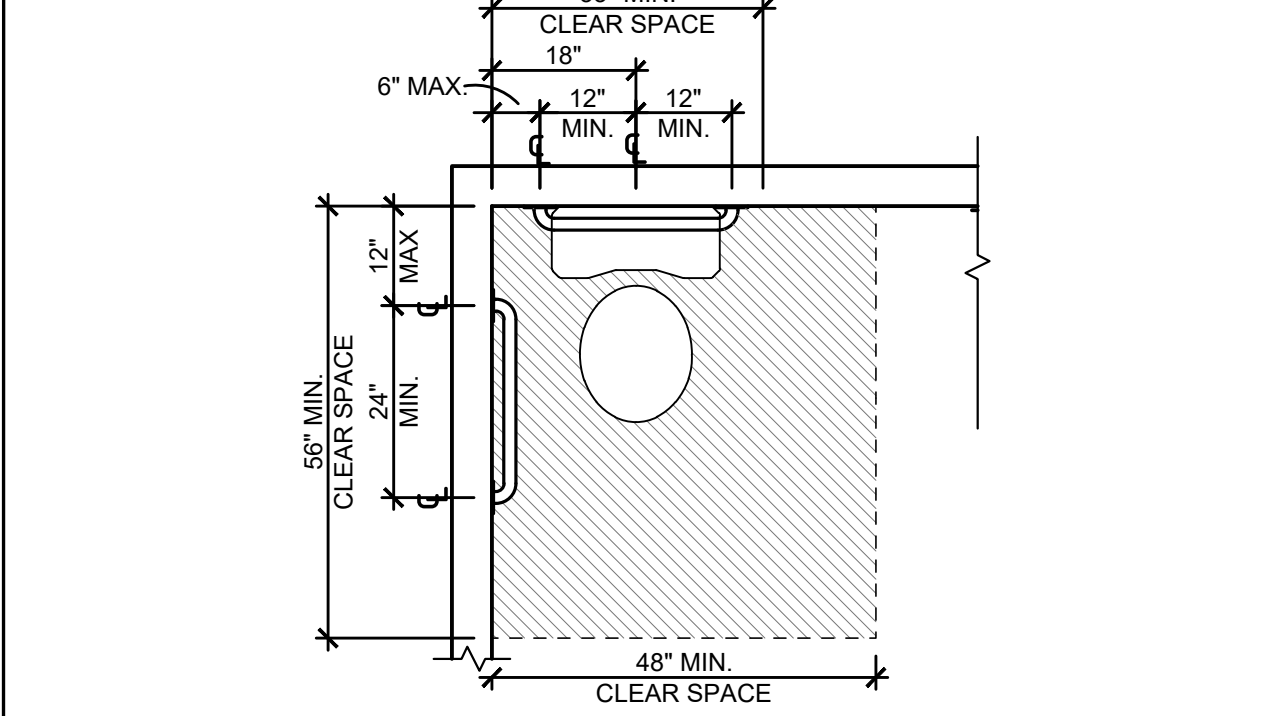
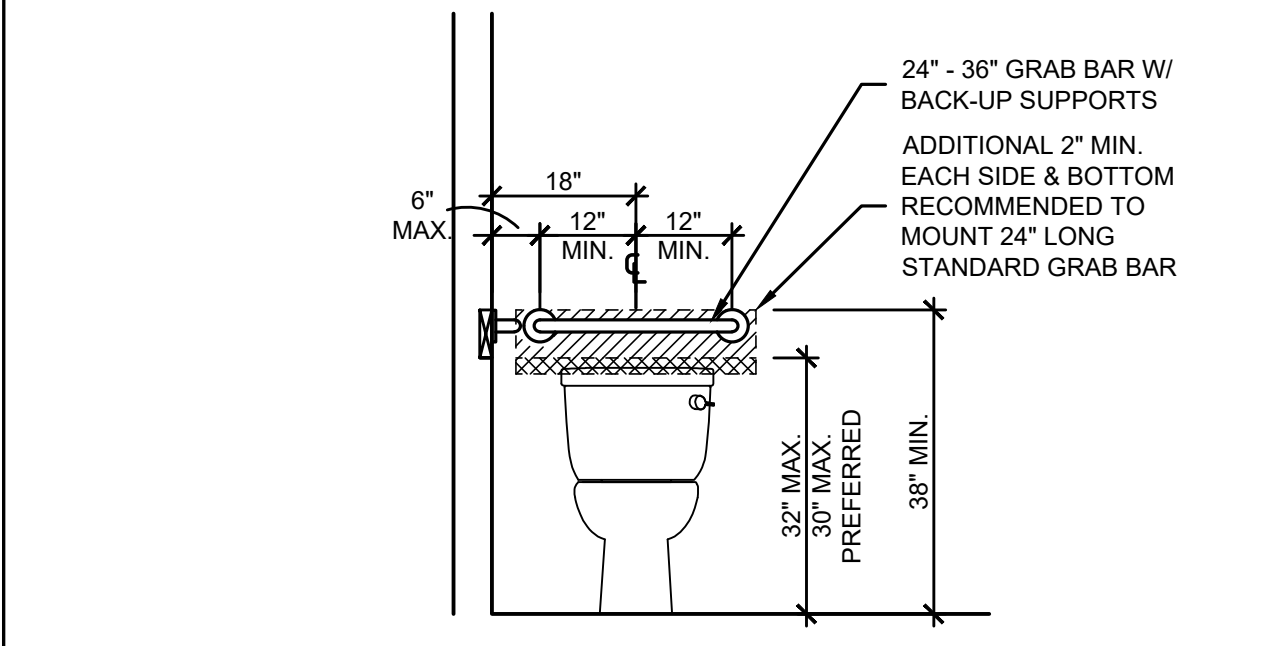
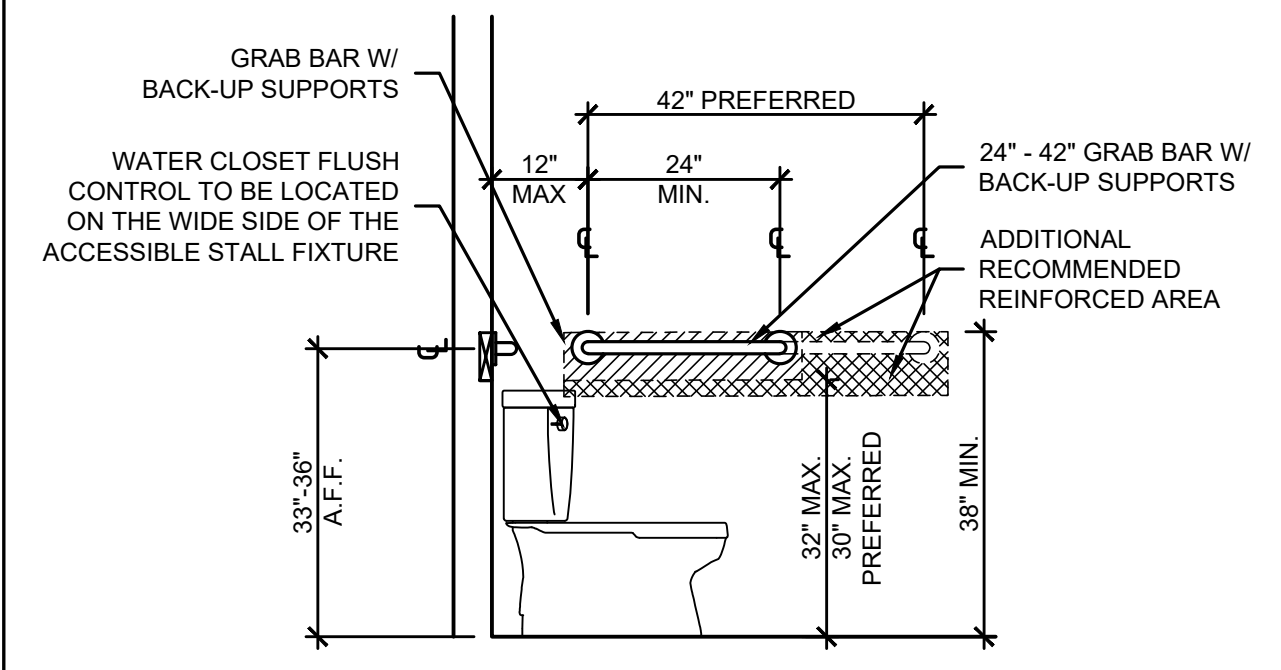
TYPICAL CLEAR FLOOR SPACES

1	TURNAROUND / TURNING CIRCLE: 60" DIAMETER CLEAR FLOOR SPACE (TYP.)
2	EQUIPMENT / FIXTURE: 30"x48" CLEAR FLOOR SPACE
3	TOILET CLEAR FLOOR SPACE: 59"x 60" CLEAR FLOOR SPACE
4	REMOVABLE ADA BENCH



**01 TOILET ACCESSIBILITY PLAN- ROOM 115**  
SCALE: 3/4" = 1'-0"

**02 TOILET PLAN (TYPICAL)**  
SCALE: 3/4" = 1'-0"



**06 TYP. ACCESSIBLE TOILET LAYOUT**  
SCALE: 1/2" = 1'-0"

**RESTROOM ACCESSORIES SCHEDULE**

ITEM (SEE NOTE 2)	MODEL #	SUPPLIER	BACKUP SUPPORT (SEE NOTE 3)
1A	GRAB BAR 42"	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS
1B	GRAB BAR 36"	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS
1C	GRAB BAR 24" (18" MIN)	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS
2	TOILET TISSUE DISPENSER, DOUBLE, SURFACE MOUNTED (SEE NOTE 4)	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS
3	TOWEL DISPENSER	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS

ITEM (SEE NOTE 2)	MODEL #	SUPPLIER	BACKUP SUPPORT (SEE NOTE 3)
4	MIRROR, CHANNEL FRAME	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS
5	SOAP DISPENSER, COUNTER MOUNTED, 6" SPOUT (OPTIONAL)	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS
6	DOUBLE 24" TOWEL RACK	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS
7	2 ROBE HOOK	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS

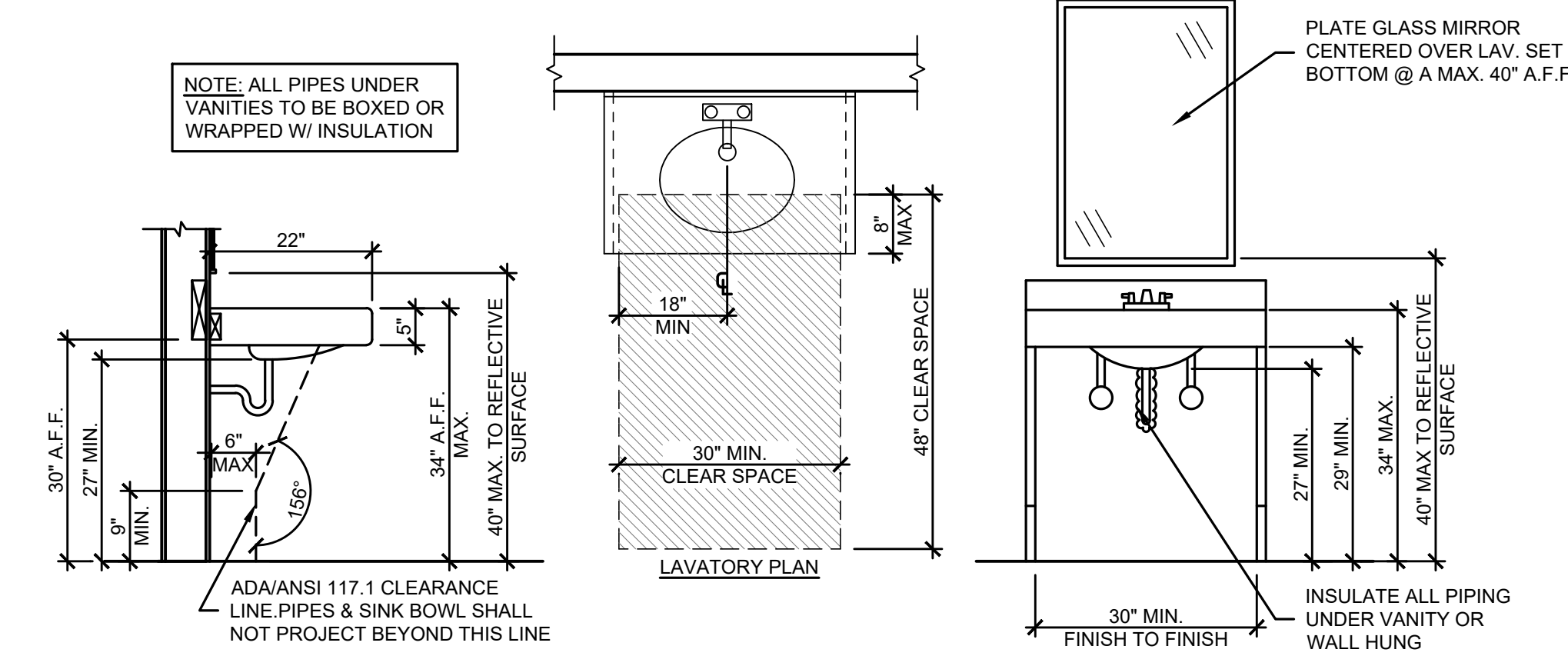
**NOTES:**

- SEE BELOW FOR ACCESSORY MOUNTING HEIGHTS
- CUT BACK-UP SUPPORTS BETWEEN STUDS SO FACE OF SUPPORT IS FLUSH WITH WALL STUD
- HATCHED AREA SHOWN FOR MOUNTING LOCATION

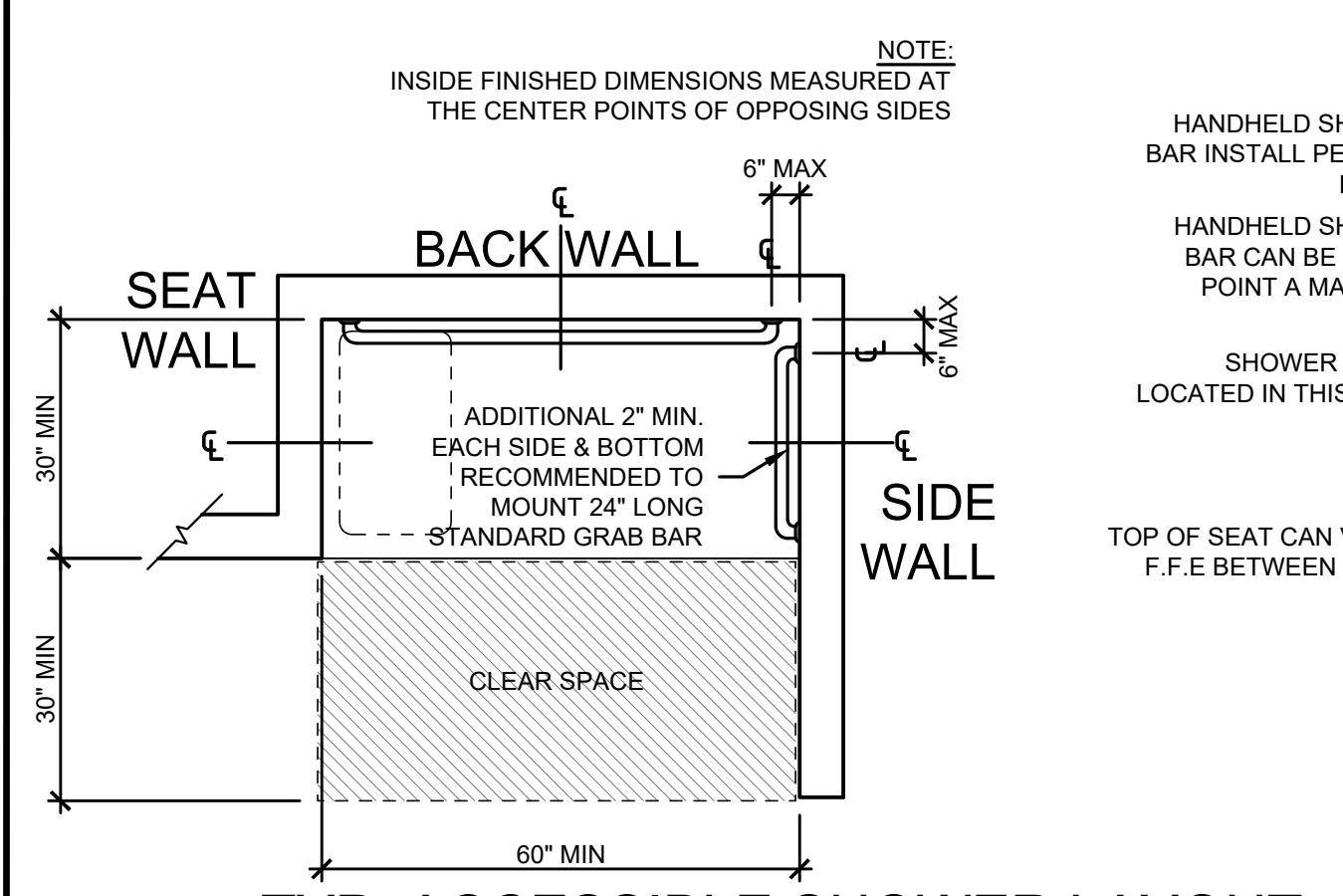
MEETS THE STRICTEST INTERPRETATION OF BOTH THE ANSI 117.1 AND 2010 FEDERAL ADA STANDARDS FOR ACCESSIBLE DESIGN

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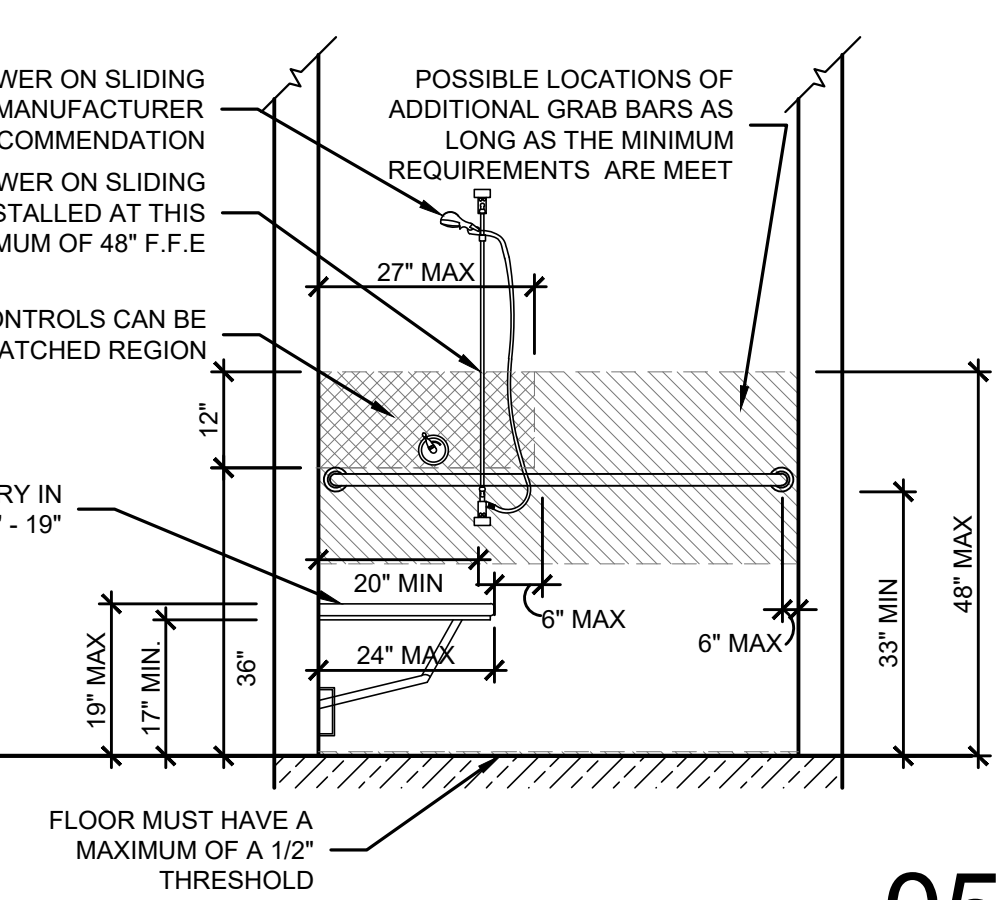
NO HORIZONTAL GRAB BARS CAN BE INSTALLED ON THE SEAT SIDE OF THE ROLL-IN SHOWER  
ENSURE THAT THE HAND-HELD SHOWER SPRAY UNITS ARE CAPABLE OF DELIVERING WATER PRESSURE EQUIVALENT TO FIXED SHOWER HEADS  
MEASUREMENTS OF THE GRAB BARS FROM THE FINISHED FLOOR ELEVATION ARE MEASURED AT THE GRIPPING SURFACE FOR THE GRAB BARS



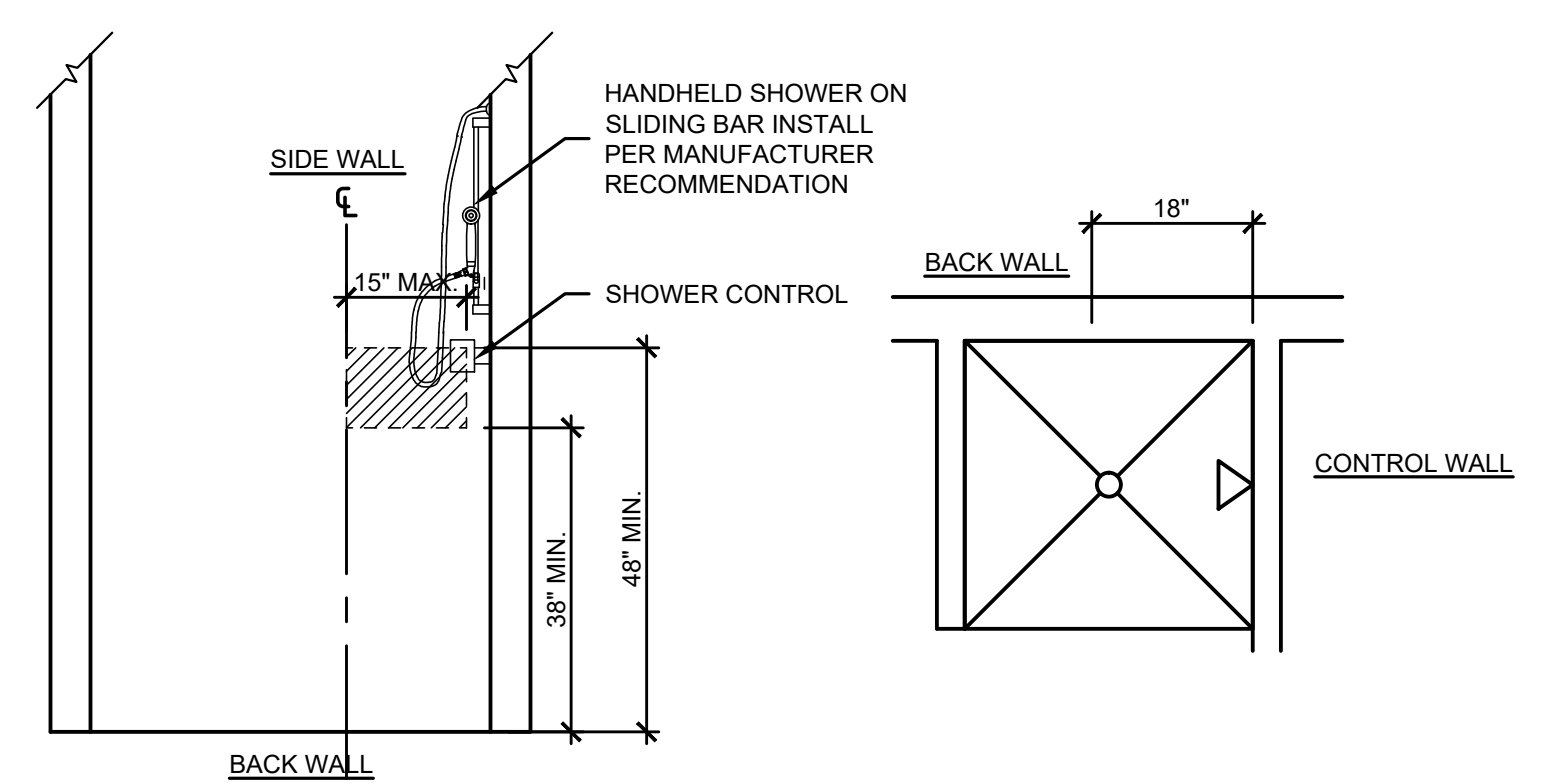
**03 TYP. ACCESSIBLE LAVATORY LAYOUT**  
SCALE: 1/2" = 1'-0"



**04 TYP. ACCESSIBLE SHOWER LAYOUT**  
SCALE: 1/2" = 1'-0"



**05 TYP. SHOWER LAYOUT**  
SCALE: 1/2" = 1'-0"



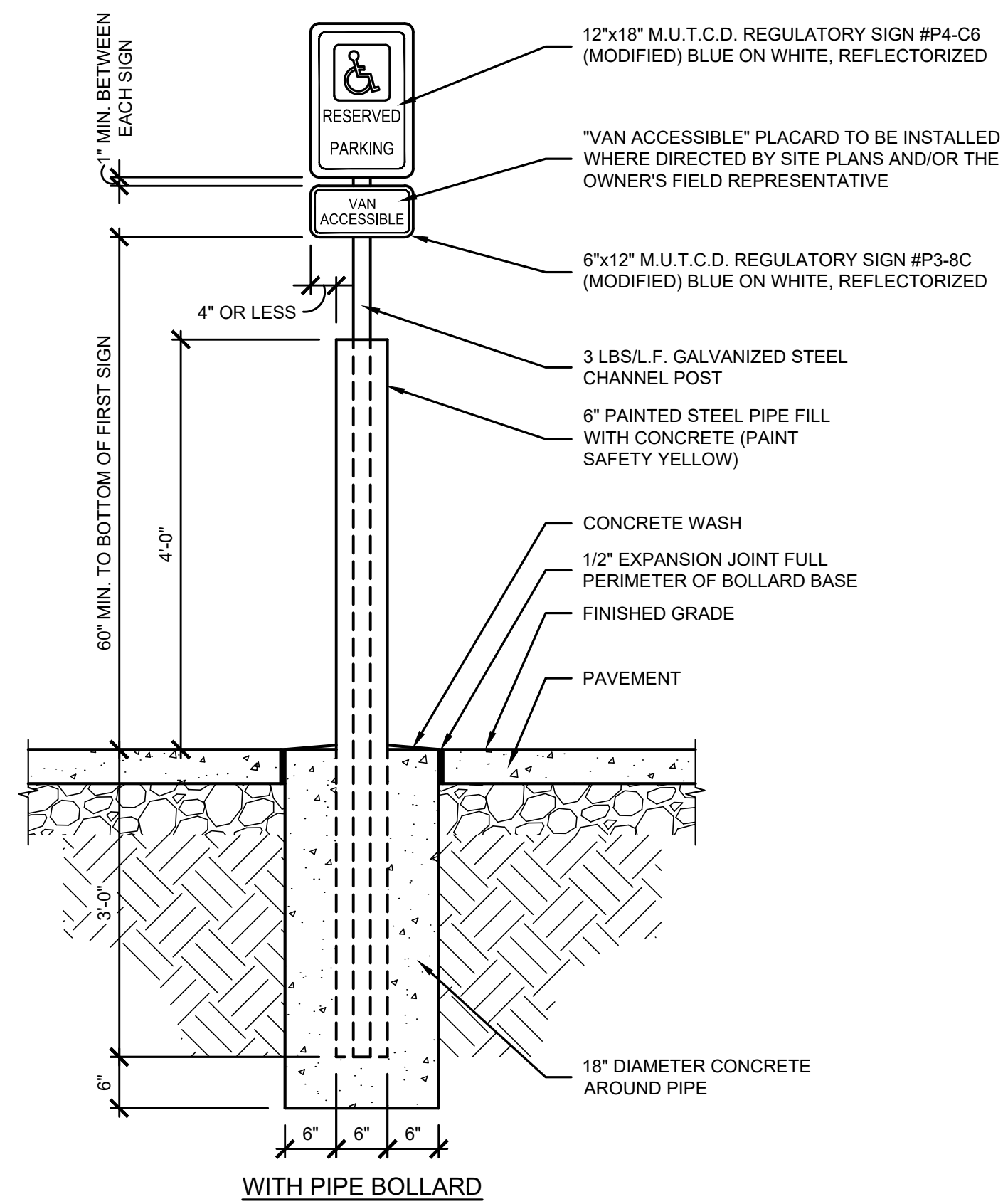
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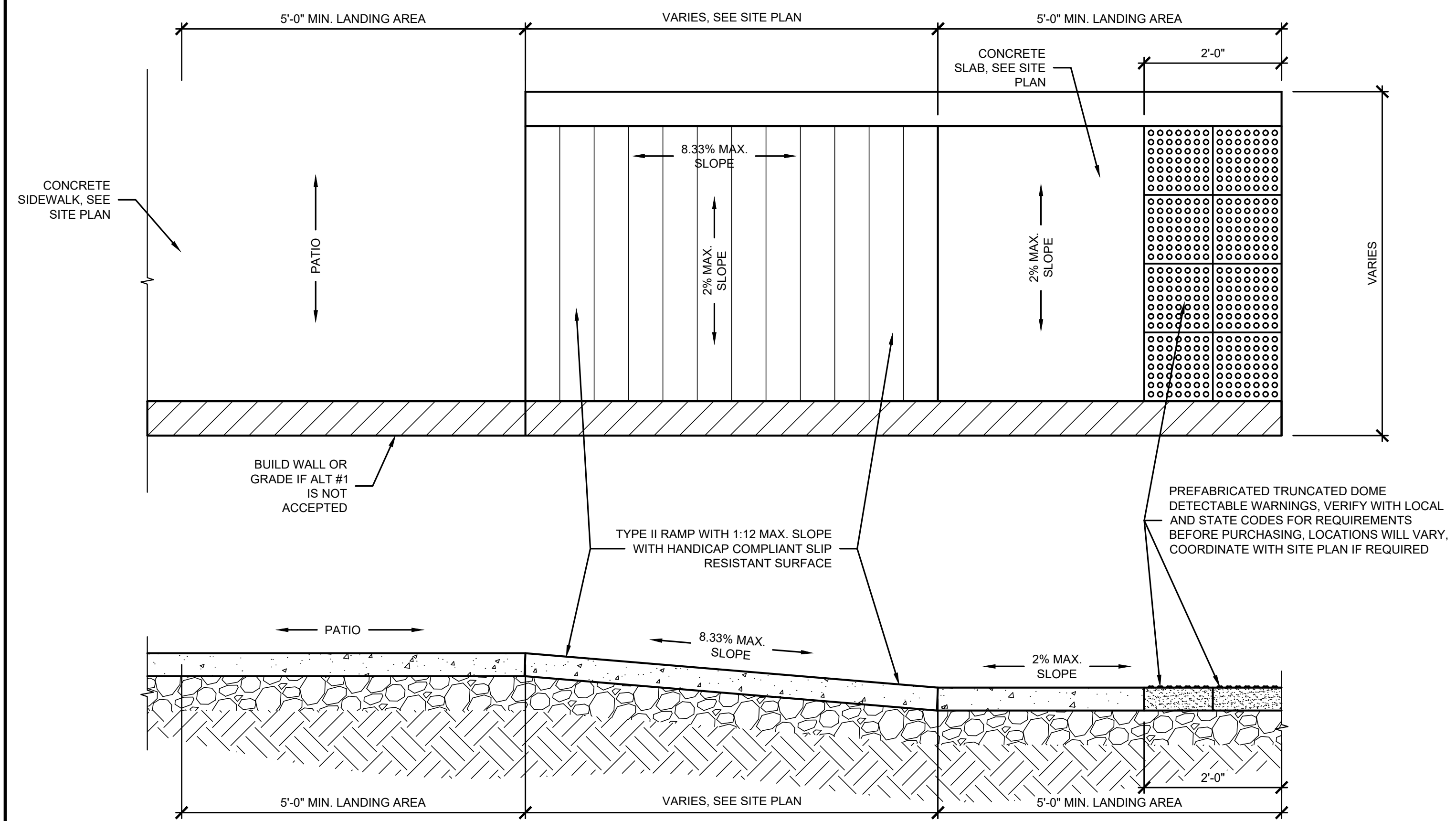
RENOVATION FOR:  
**PLEASURE RIDGE PARK  
FIRE STATION 1**  
4500 KERRICK LN.  
LOUISVILLE, KY 40258



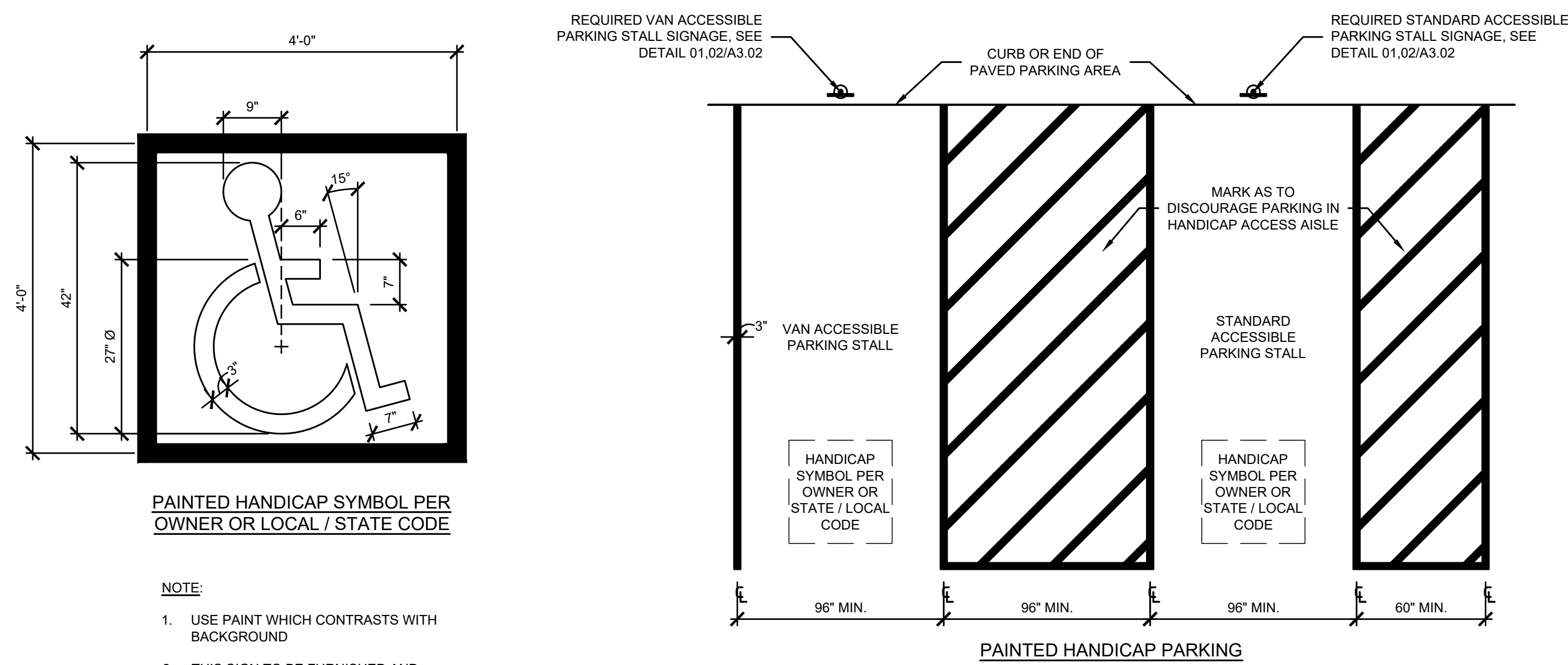


**01 ACCESSIBLE PARKING SIGNAGE DETAIL**  
SCALE: 3/4" = 1'-0"

NOTE:  
SIGN TO BE A MIN. OF 2'-0"  
FROM FACE OF CURB (SEE  
SITE PLAN BY OTHERS)



**02 TYPE II ACCESSIBLE RAMP**  
SCALE: 3/4" = 1'-0"

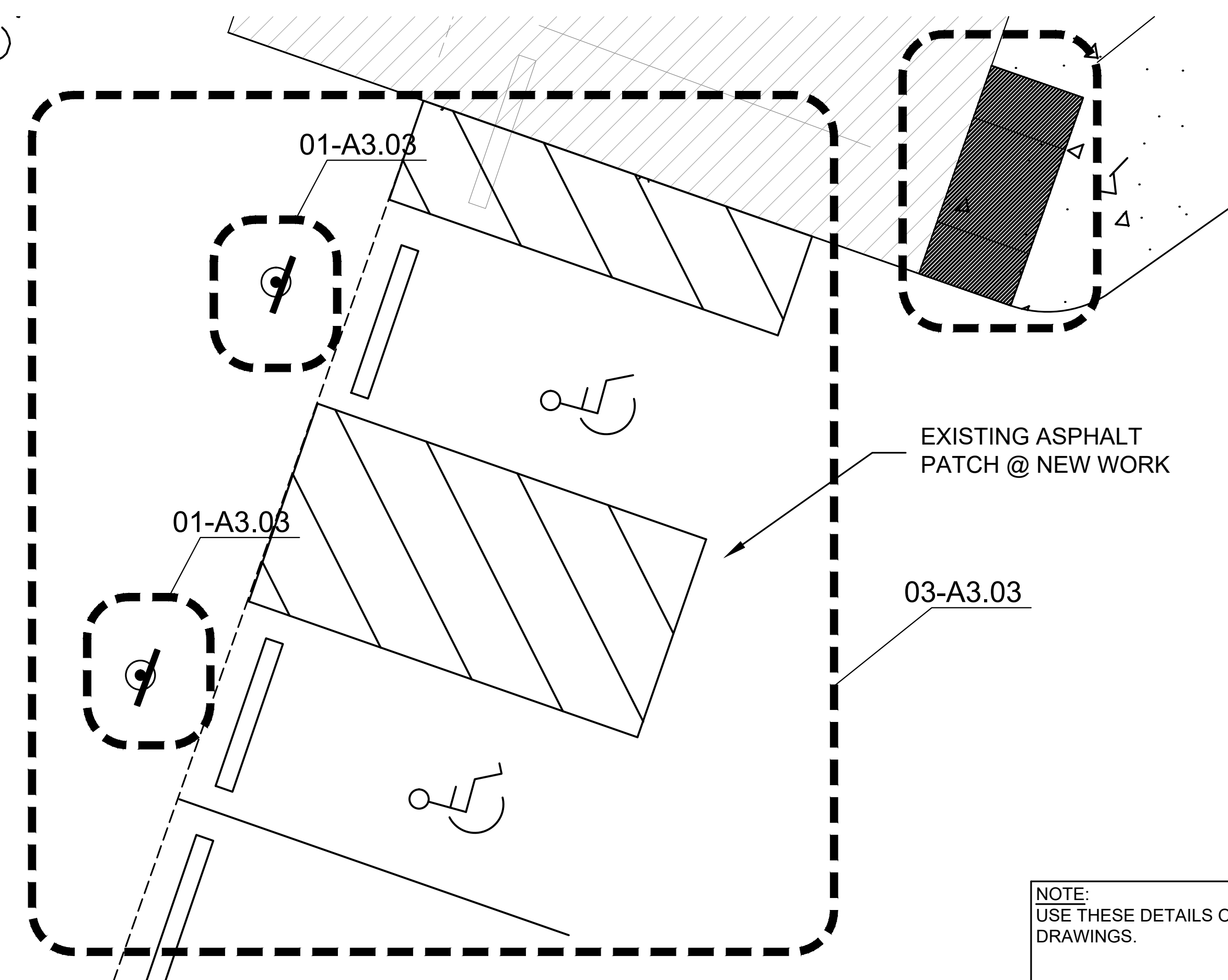


PAINTED HANDICAP SYMBOL PER  
OWNER OR LOCAL / STATE CODE

- NOTE:
- USE PAINT WHICH CONTRASTS WITH BACKGROUND
  - THIS SIGN TO BE FURNISHED AND INSTALLED BY G.C.

TOTAL NUMBER OF PARKING SPACES PROVIDED IN PARKING FACILITY	MINIMUM NUMBER OF REQUIRED ACCESSIBLE PARKING SPACES
1 TO 25	1
26 TO 50	2
51 TO 75	3
76 TO 100	4
101 TO 150	5
151 TO 200	6
201 TO 300	7
301 TO 400	8
401 TO 500	9
501 TO 1000	2 PERCENT OF TOTAL
1001 AND OVER	20, PLUS 1 FOR EACH 100, OR FRACTION THEREOF, OVER 1000

**03 PAINTED ACCESSIBLE SYMBOL / PAINTED ACCESSIBLE PARKING**  
SCALE: NTS



**04 RAMP AND PARKING LOCATION**  
SCALE: NTS

NOTE:  
USE THESE DETAILS ONLY IF THIS IS NOT ON THE SITE  
DRAWINGS.

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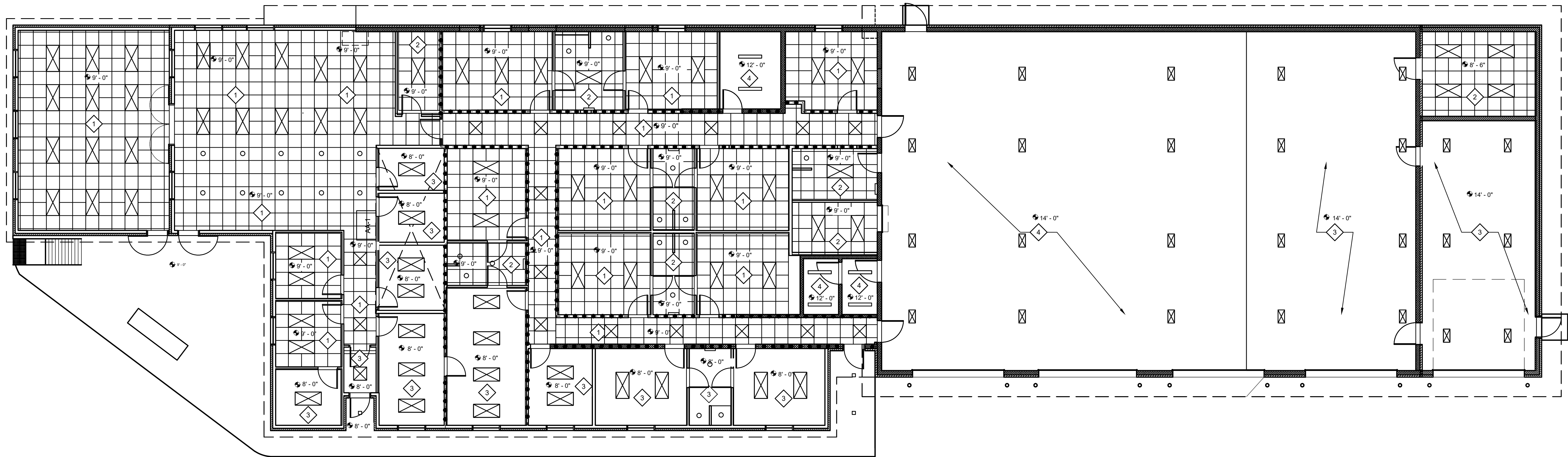


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RENOVATION FOR:  
**PLEASURE RIDGE PARK  
FIRE STATION 1**  
4500 KERRICK LN.  
LOUISVILLE, KY 40258

ACCESSIBILITY SITE  
DETAILS  
**A3.03**

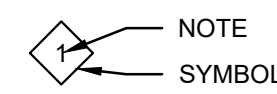




**01 REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"



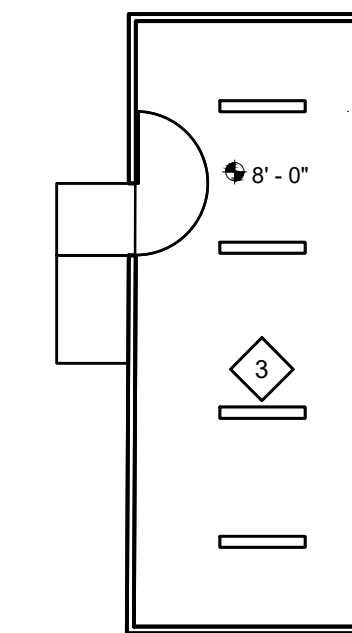
**SHEET NOTES:**



1	2'X2' WHITE GRID / WHITE FISSURED TILE
2	2'X2' WHITE GRID / WHITE VINYL FACED TILE
3	PAINTED GYP. BOARD
4	EXISTING GYP. BOARD TO BE PATCHED & PAINTED

**NOTE:**  
THIS IS A LAYOUT TO SHOW INTENT.  
CONTRACTOR TO COORDINATE WITH  
M.E.L.P & SPRINKLER THEN MAKE MINOR  
ADJUSTMENTS

**NOTE:**  
SEE ELEC. PLANS FOR LIGHTING  
FIXTURES SPECS.

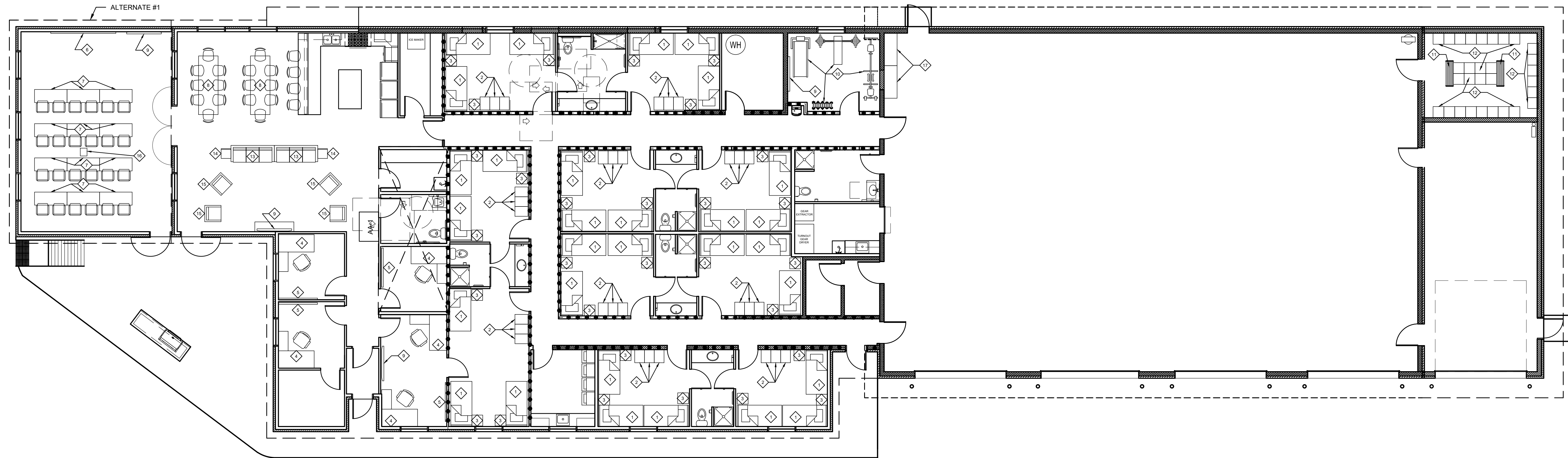


**02 MEZZANINE PLAN**  
SCALE: 1/8" = 1'-0"



**KEYES ARCHITECTS & ASSOCIATES**  
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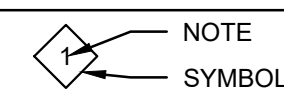
RENOVATION FOR:  
**PLEASURE RIDGE PARK  
FIRE STATION 1**  
4500 KERRICK LN.  
LOUISVILLE, KY 40258



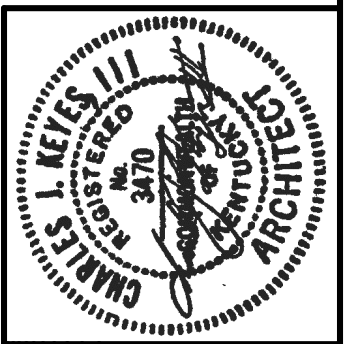
**01 FURNITURE FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



**FURNITURE KEY:**

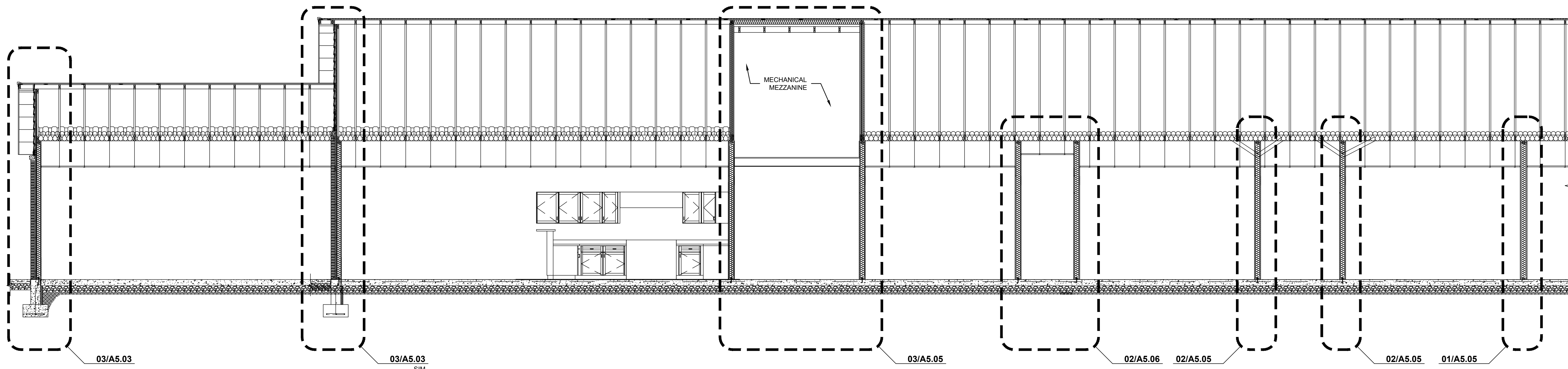


NOTE: ALL FURNITURE USED HERE IS FURNISHED & INSTALLED BY OWNER, UNLESS NOTED OTHERWISE	
1	TWIN XL BED
2	WARDROBE LOCKERS- FURNISHED / INSTALLED BY G.C.
3	NIGHT STAND
4	DESK
5	WHITE BOARD (36" X 48") - FURNISHED / INSTALLED BY G.C.
6	WHITE BOARD ALTERNATE #1 - (120" X 48") - FURNISHED AND INSTALLED BY G.C.
7	DESK ALTERNATE #1
8	DINNING ROOM SET
9	TV
10	FITNESS EQUIPMENT
11	GEAR ROOM BENCH - FURNISHED AND INSTALLED BY G.C.
12	GEAR GRID-FURNISHED / INSTALLED BY G.C.
13	COUCH
14	SIDE TABLE
15	CHAIR
16	PROJECTOR ABOVE ALTERNATE #1- FURNISHED AND INSTALLED BY OWNER
17	WORK BENCH-FURNISHED / INSTALLED BY G.C.

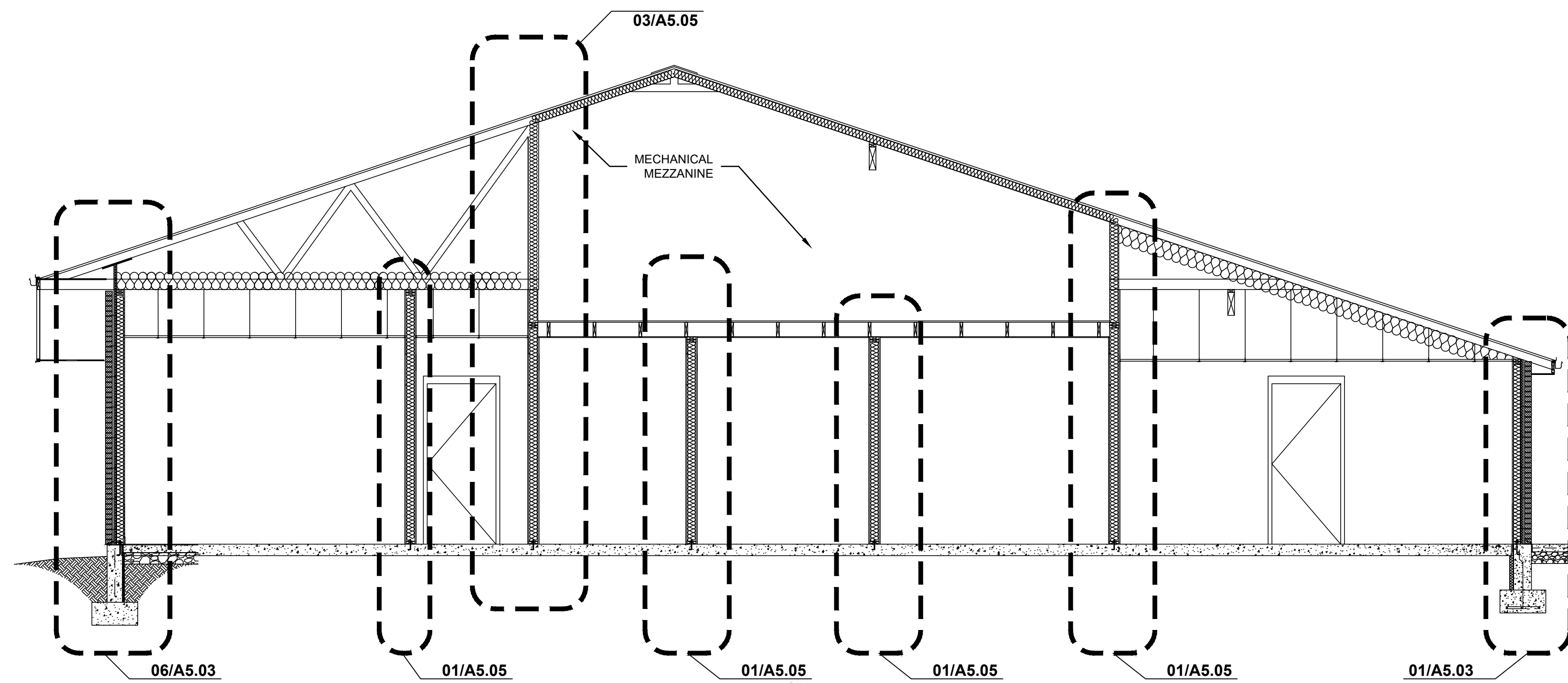


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RENOVATION FOR:  
**PLEASURE RIDGE PARK  
FIRE STATION 1**  
4500 KERRICK LN.  
LOUISVILLE, KY 40258



**01** BUILDING SECTION  
SCALE: 1/4" = 1'-0"



**02** BUILDING SECTION  
SCALE: 1/4" = 1'-0"



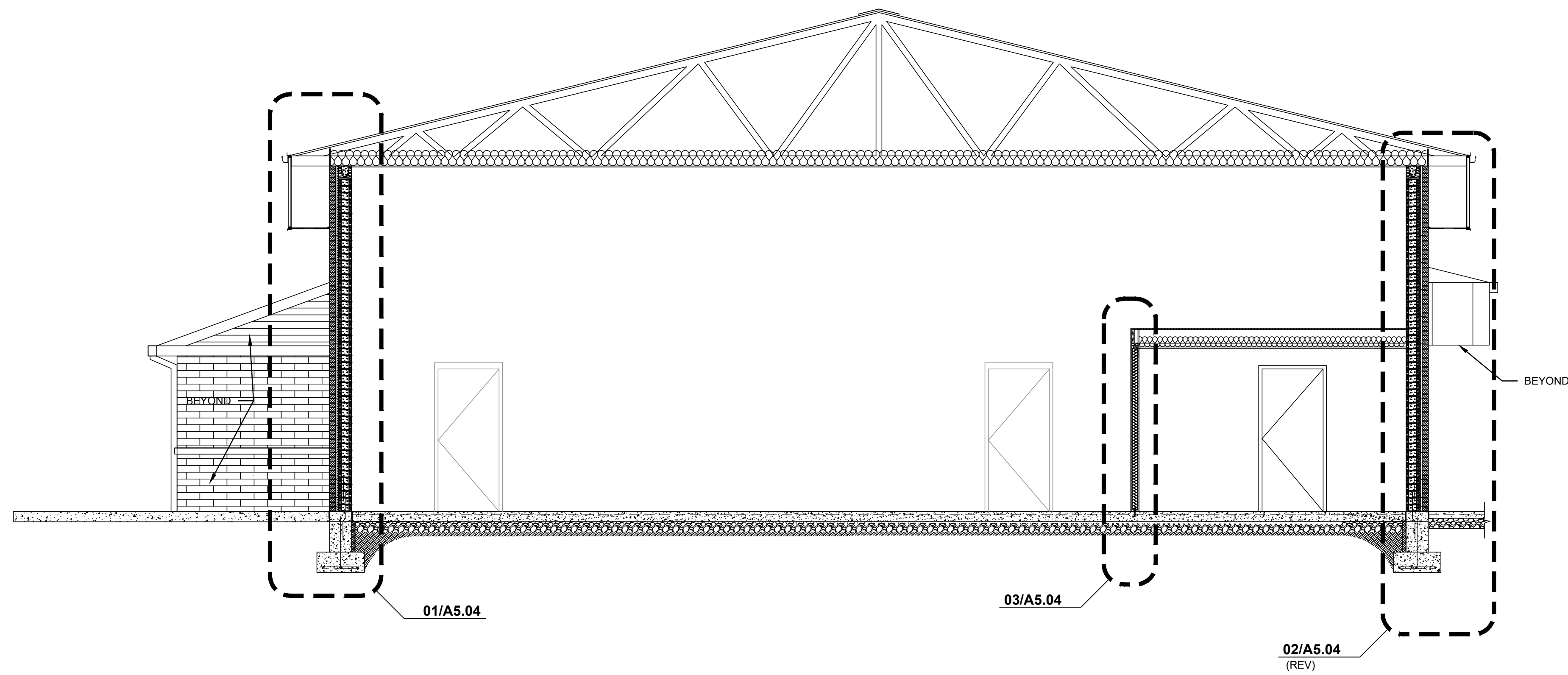
**KEYES ARCHITECTS & ASSOCIATES**  
3005 TAYLOR BOULEVARD  
LOUISVILLE, KENTUCKY 40208 (502) 636-5113

RENOVATION FOR:  
**PLEASURE RIDGE PARK  
FIRE STATION 1**  
4500 KERRICK LN.  
LOUISVILLE, KY 40258

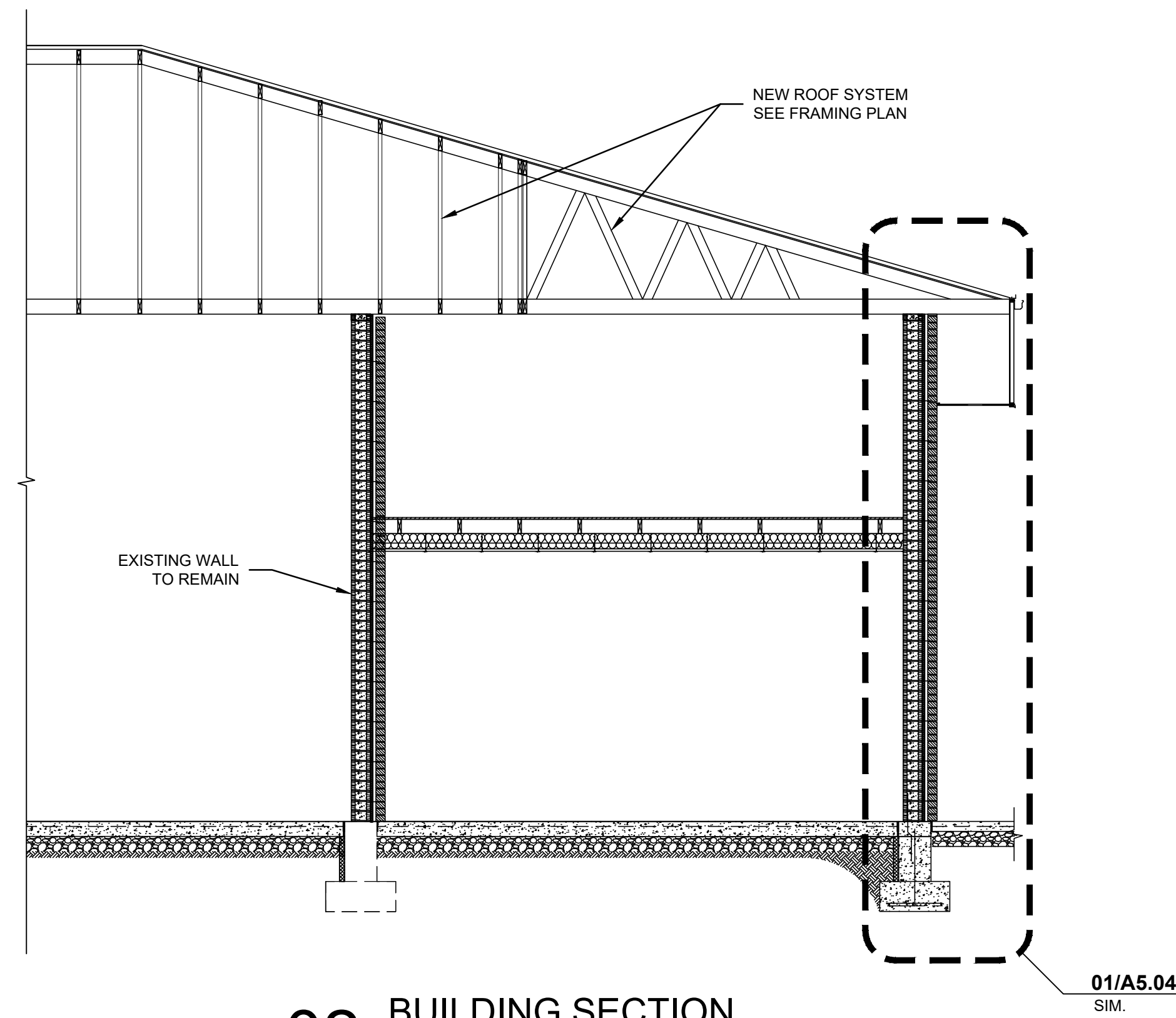
BUILDING SECTIONS

**A5.01**

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**01 BUILDING SECTION**  
SCALE: 1/4" = 1'-0"



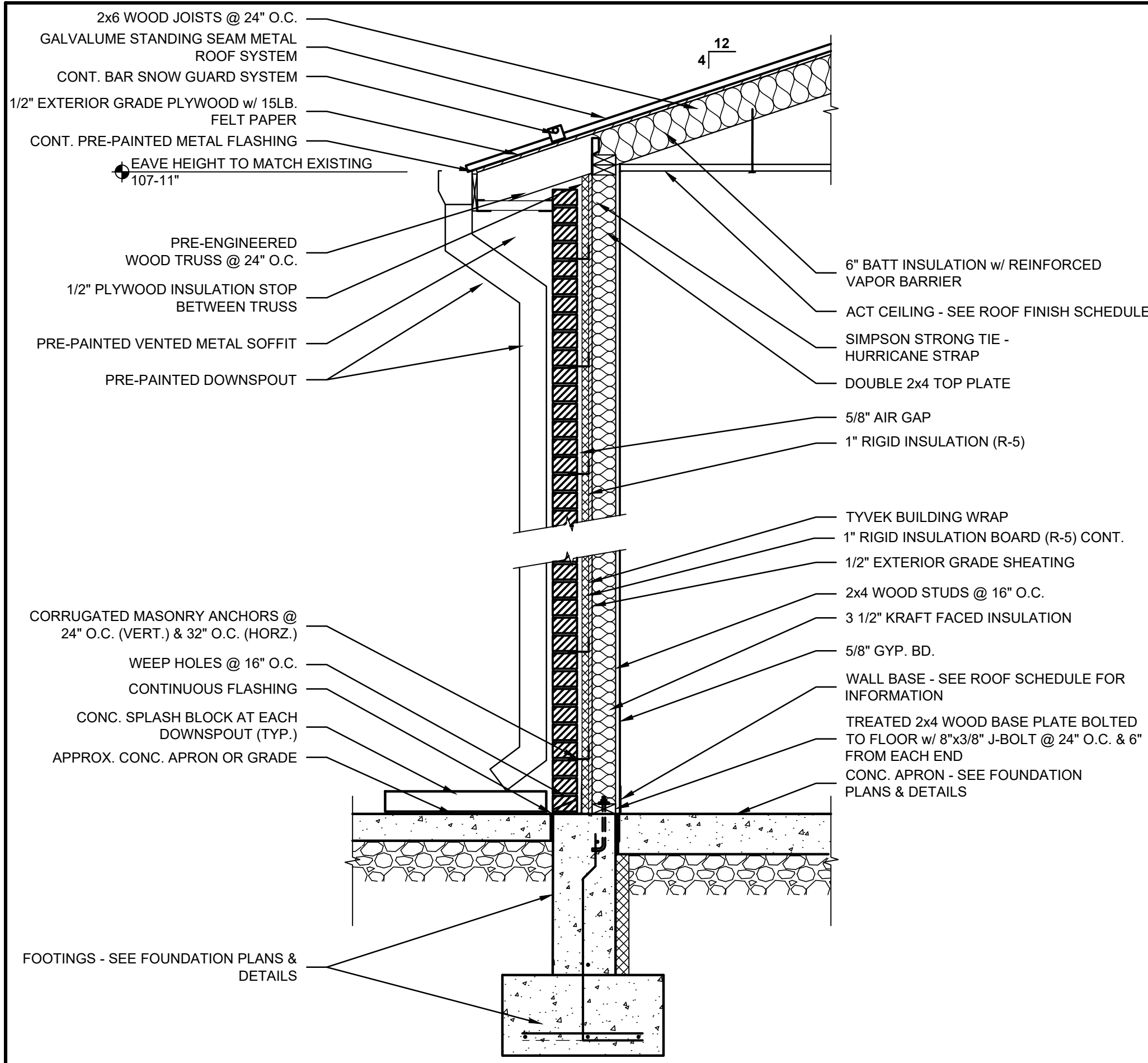
**02 BUILDING SECTION**  
SCALE: 1/4" = 1'-0"



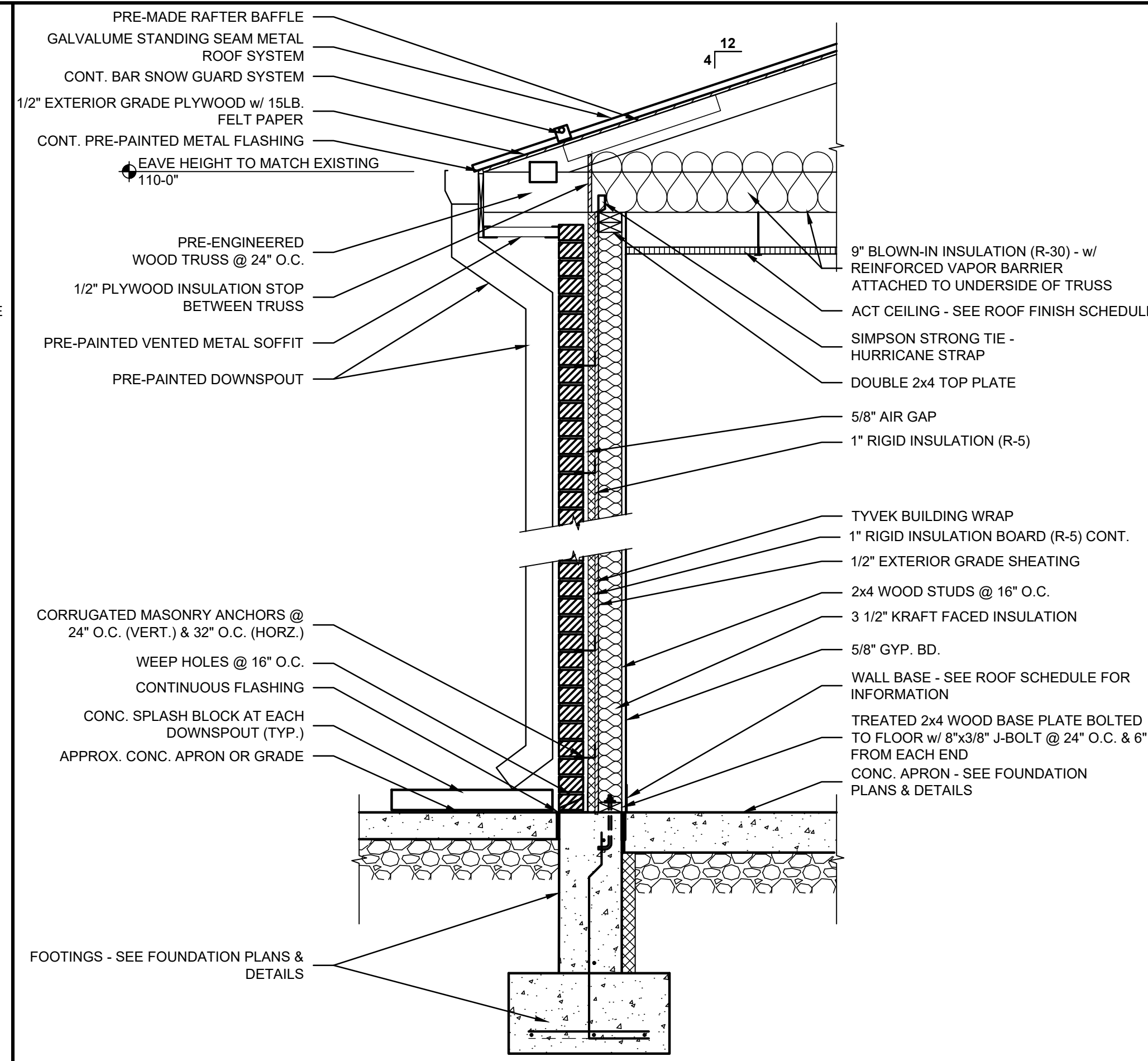
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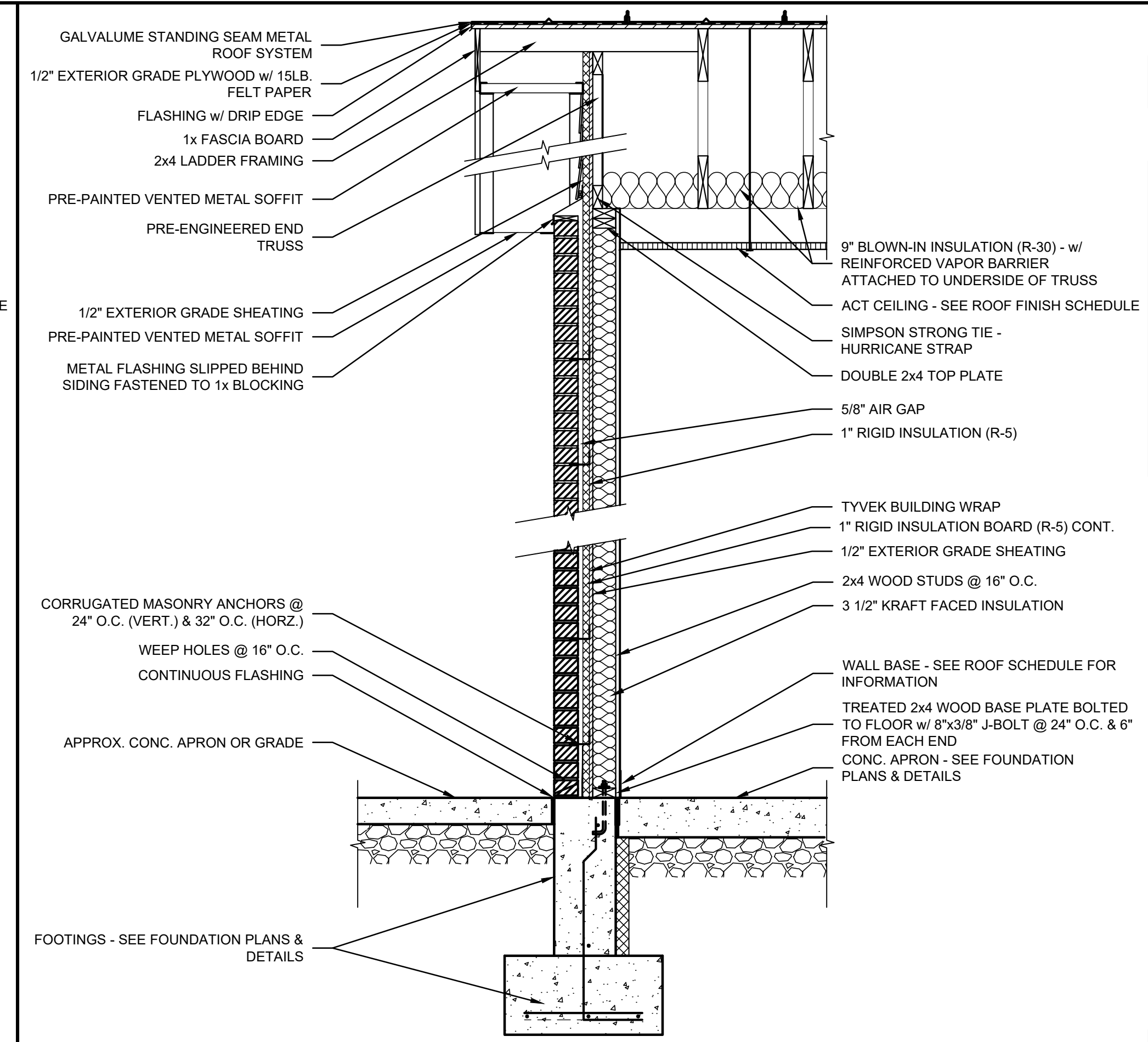
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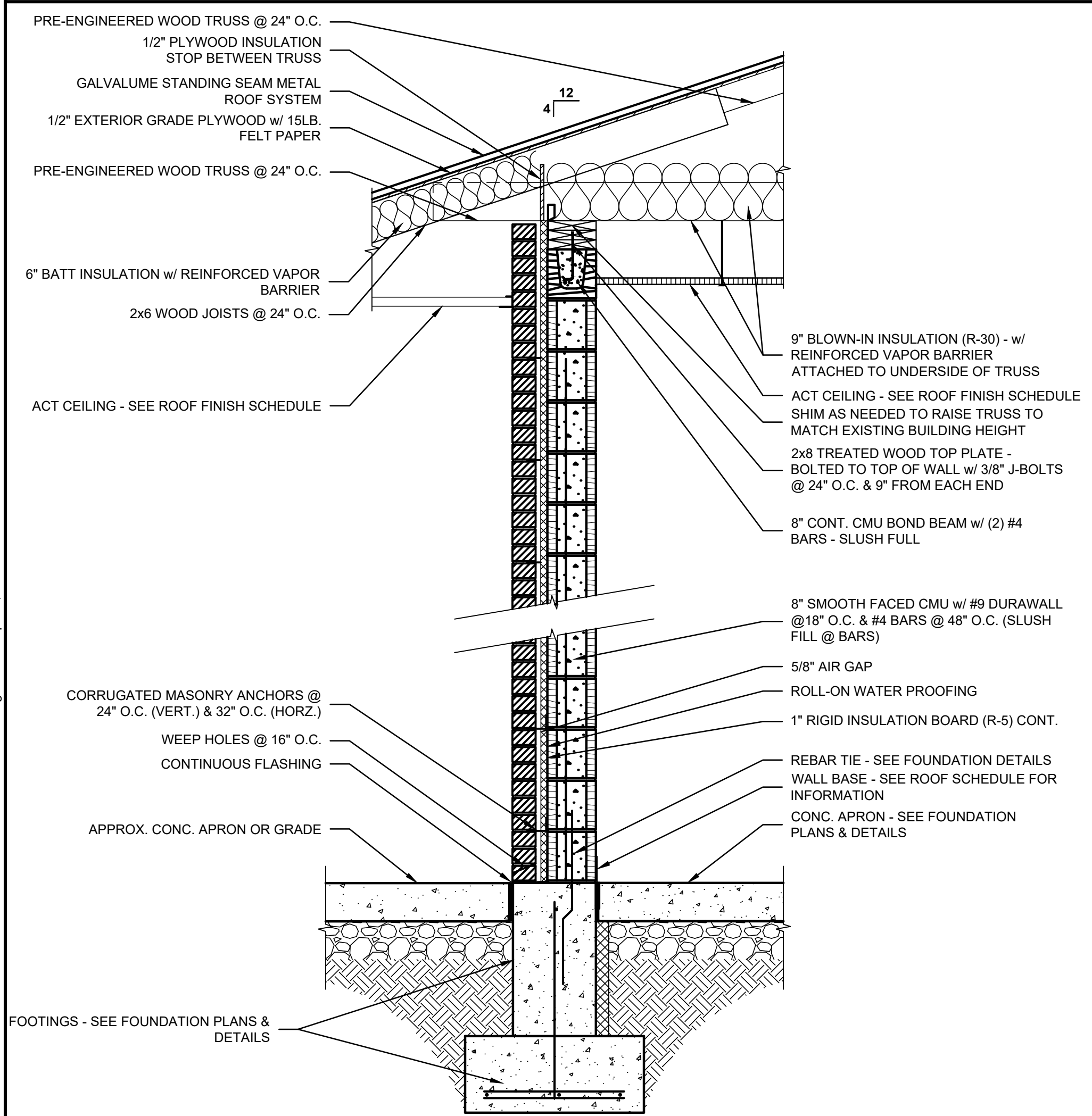
**01 WALL SECTION (FRONT)**  
SCALE: 3/4" = 1'-0"



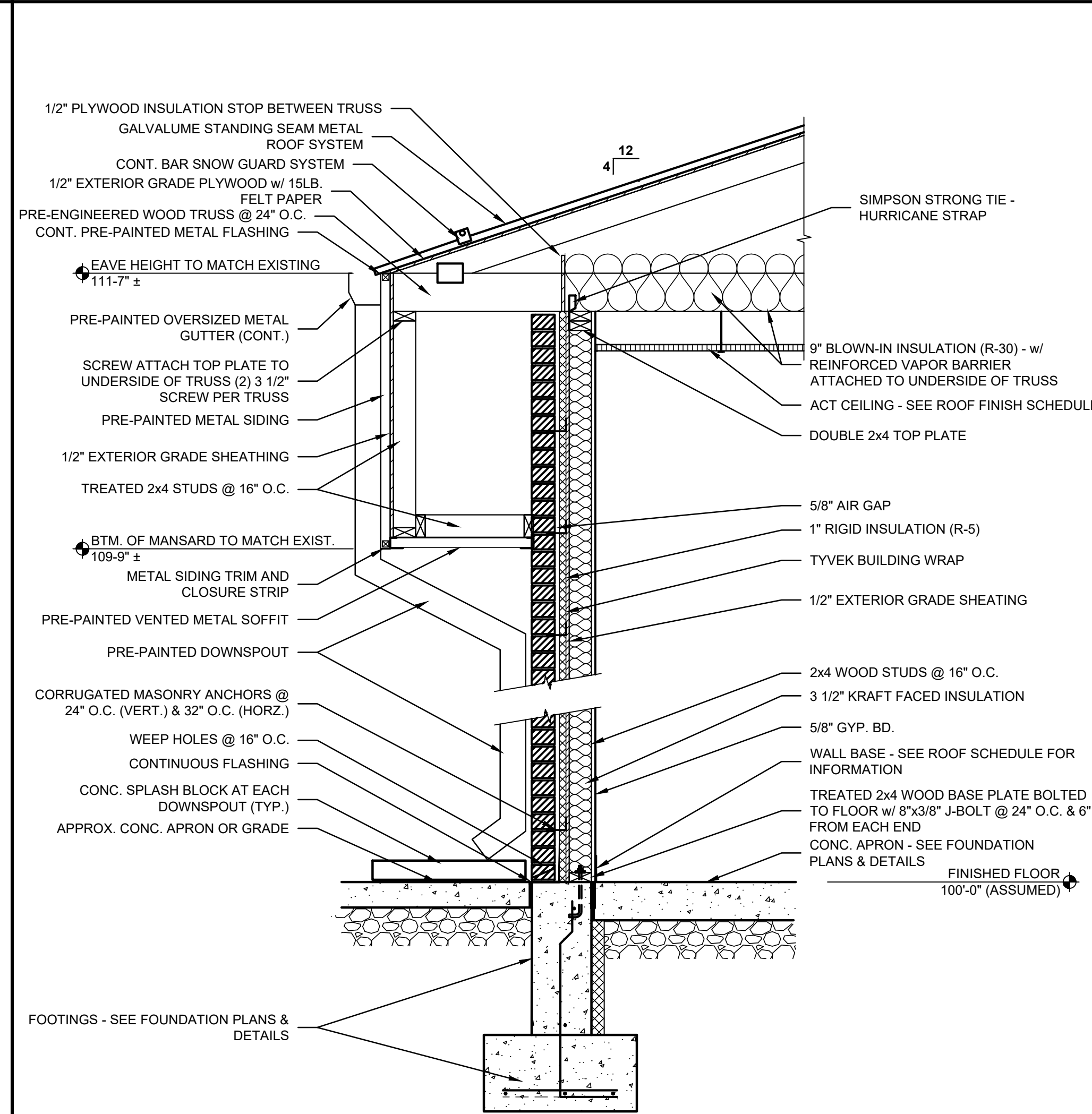
**02 WALL SECTION (REAR)**  
SCALE: 3/4" = 1'-0"



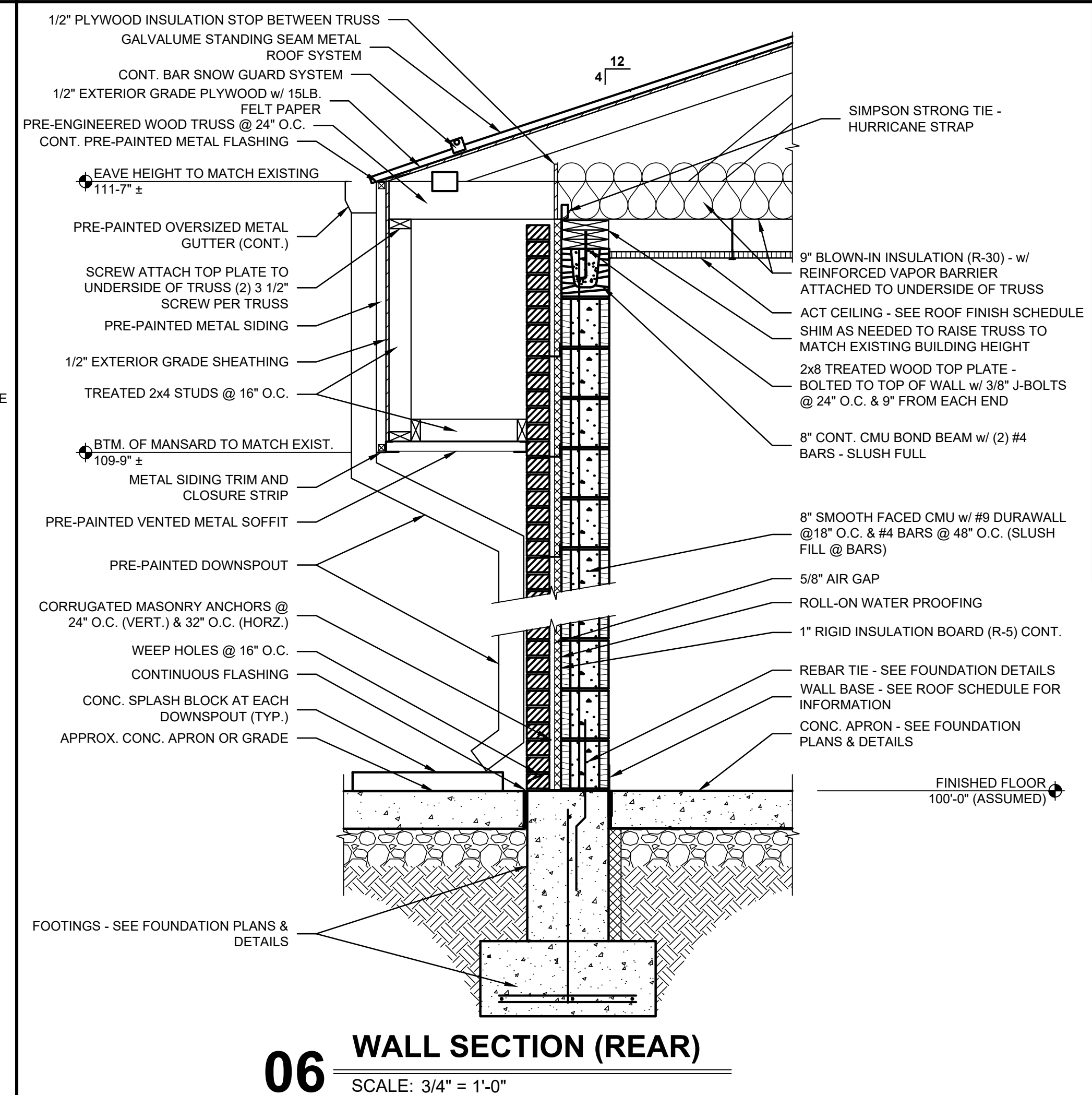
**03 WALL SECTION (ENDWALL)**  
SCALE: 3/4" = 1'-0"



**04 WALL SECTION (ENTRY)**  
SCALE: 3/4" = 1'-0"



**05 WALL SECTION (ENDWALL)**  
SCALE: 3/4" = 1'-0"



**06 WALL SECTION (REAR)**  
SCALE: 3/4" = 1'-0"



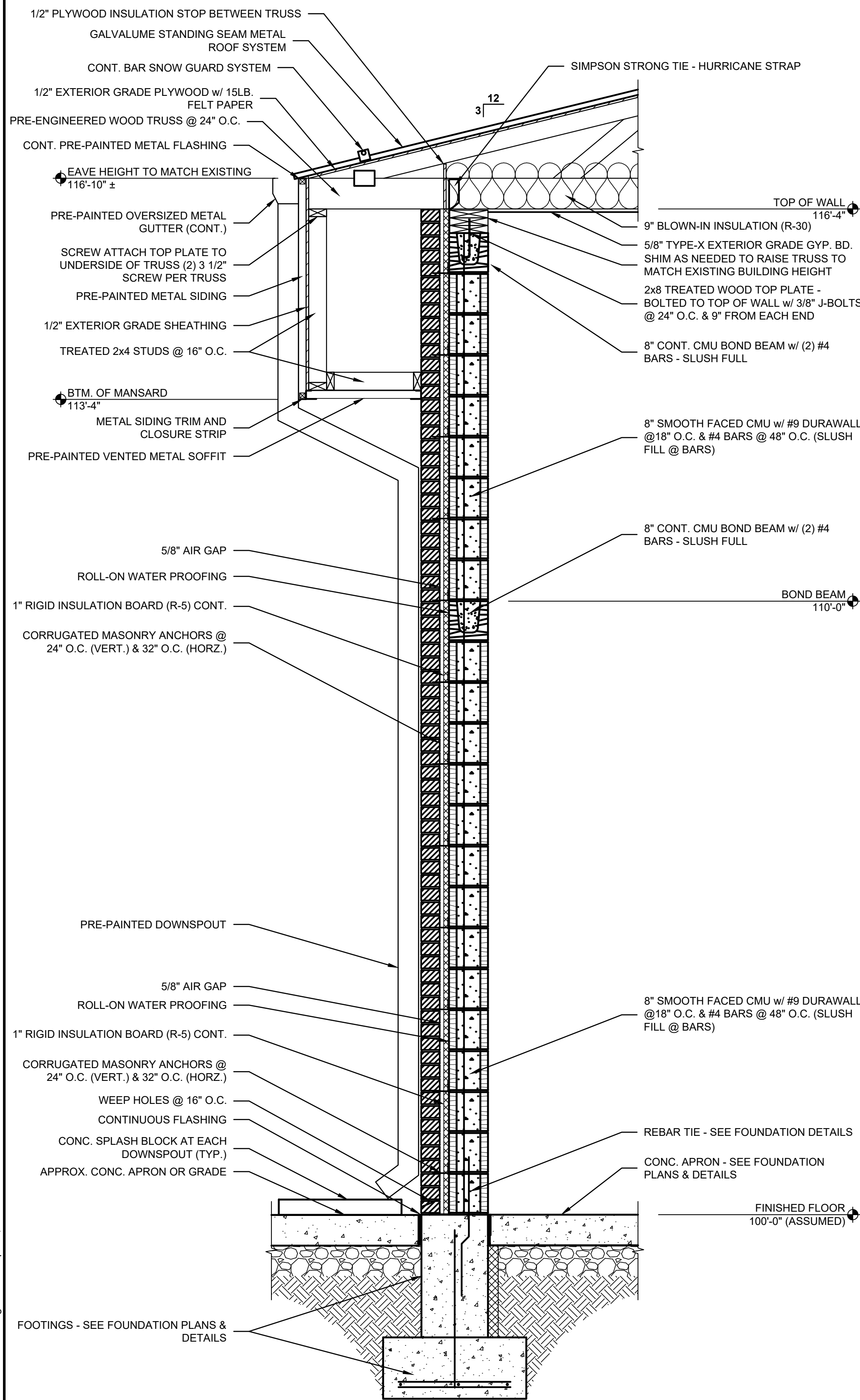
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FIRE STATION 1**  
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LOUISVILLE, KY 40258

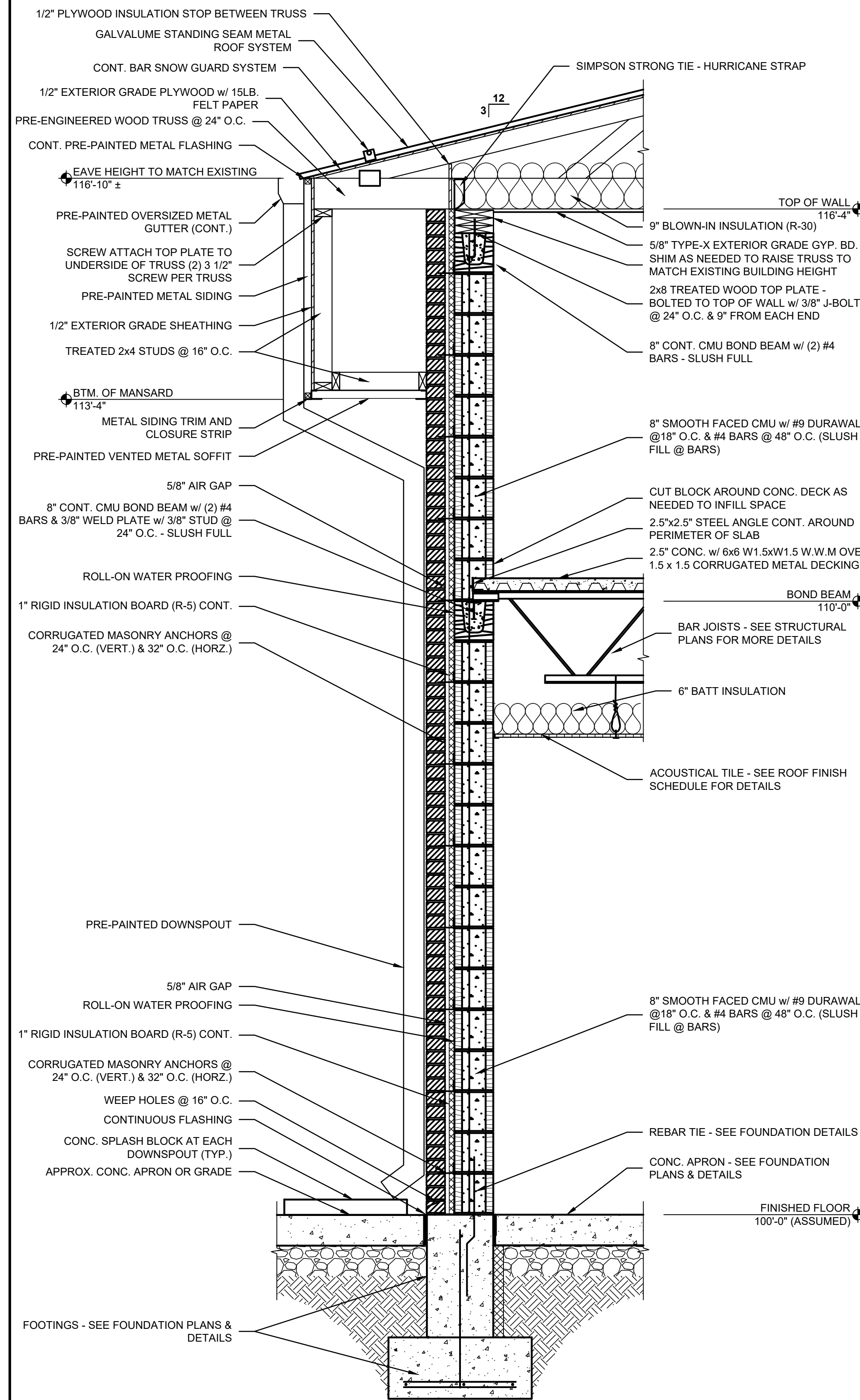
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PROJECT: PLEASURE RIDGE PARK FIRE STATION 1 - FILE: A5.03 Wall Sections.dwg - DATE: Apr 21, 2021 2:38PM - BY: CAROLINA SOTO

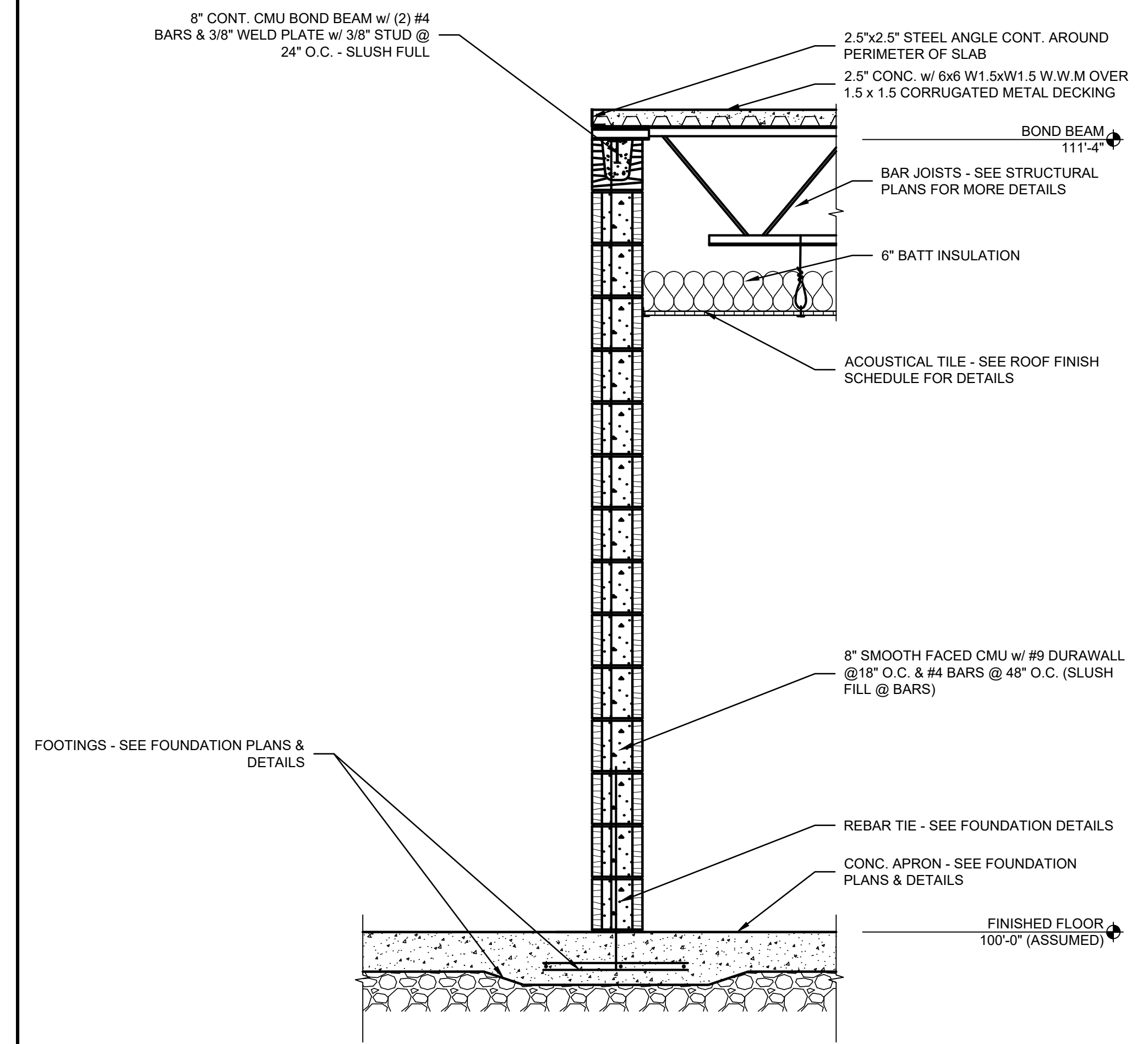
PROJECT: PLEASURE RIDGE PARK FIRE STATION 1 - FILE: A5.04 Wall Sections.dwg - DATE: Apr 21, 2021 2:38PM - BY: CAROLINA SOTO



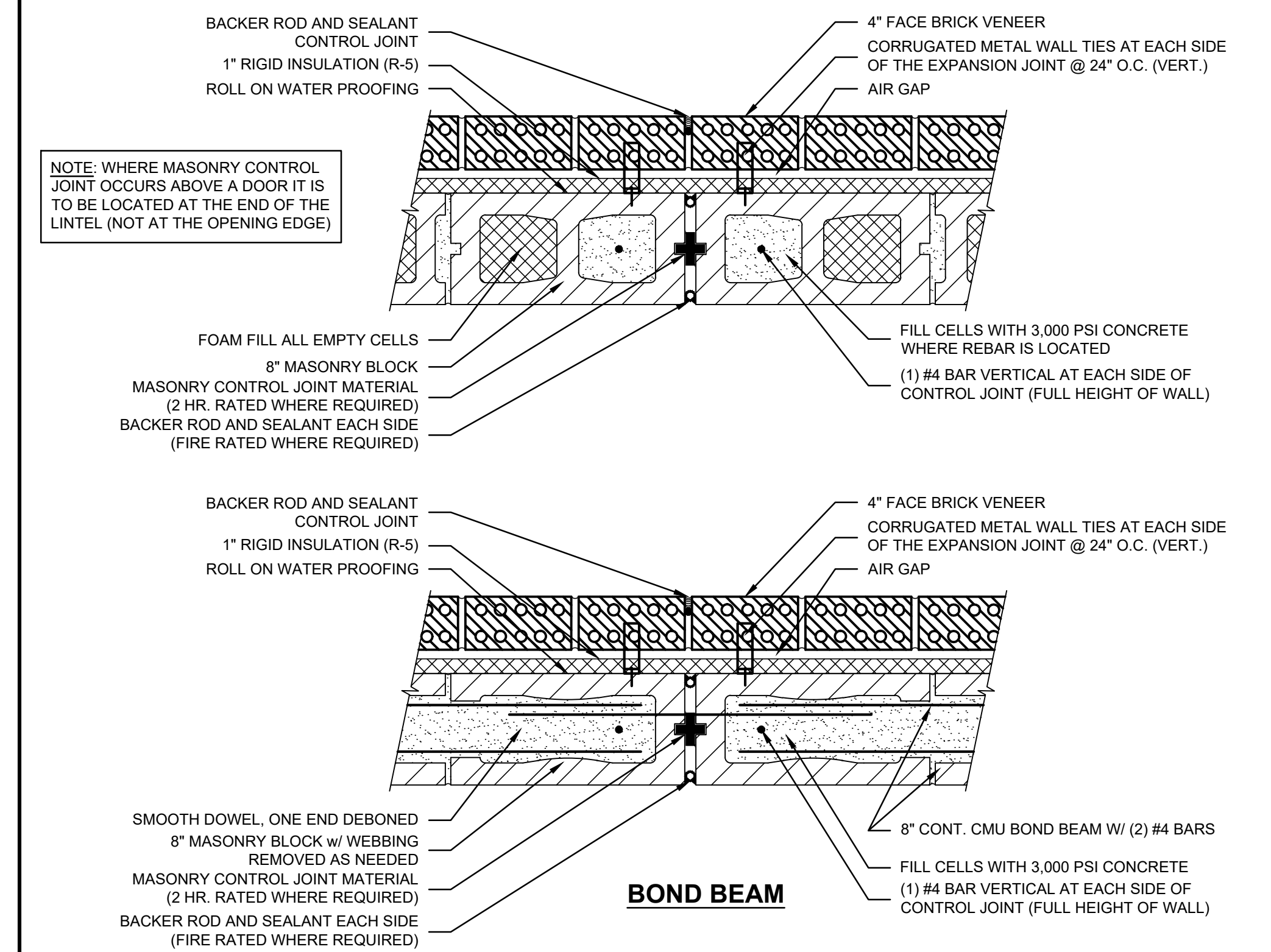
**01 WALL SECTION (BAY)**  
SCALE: 3/4" = 1'-0"



**02 WALL SECTION (BAY)**  
SCALE: 3/4" = 1'-0"



**03 WALL SECTION (BAY)**  
SCALE: 3/4" = 1'-0"



**04 BLOCK MASONRY CONTROL JOINT DETAIL**  
SCALE: 1 1/2" = 1'-0"

PROJECT NO:  
20-4017  
DRAWN BY:  
CS/EK  
DATE:  
04-20-2021



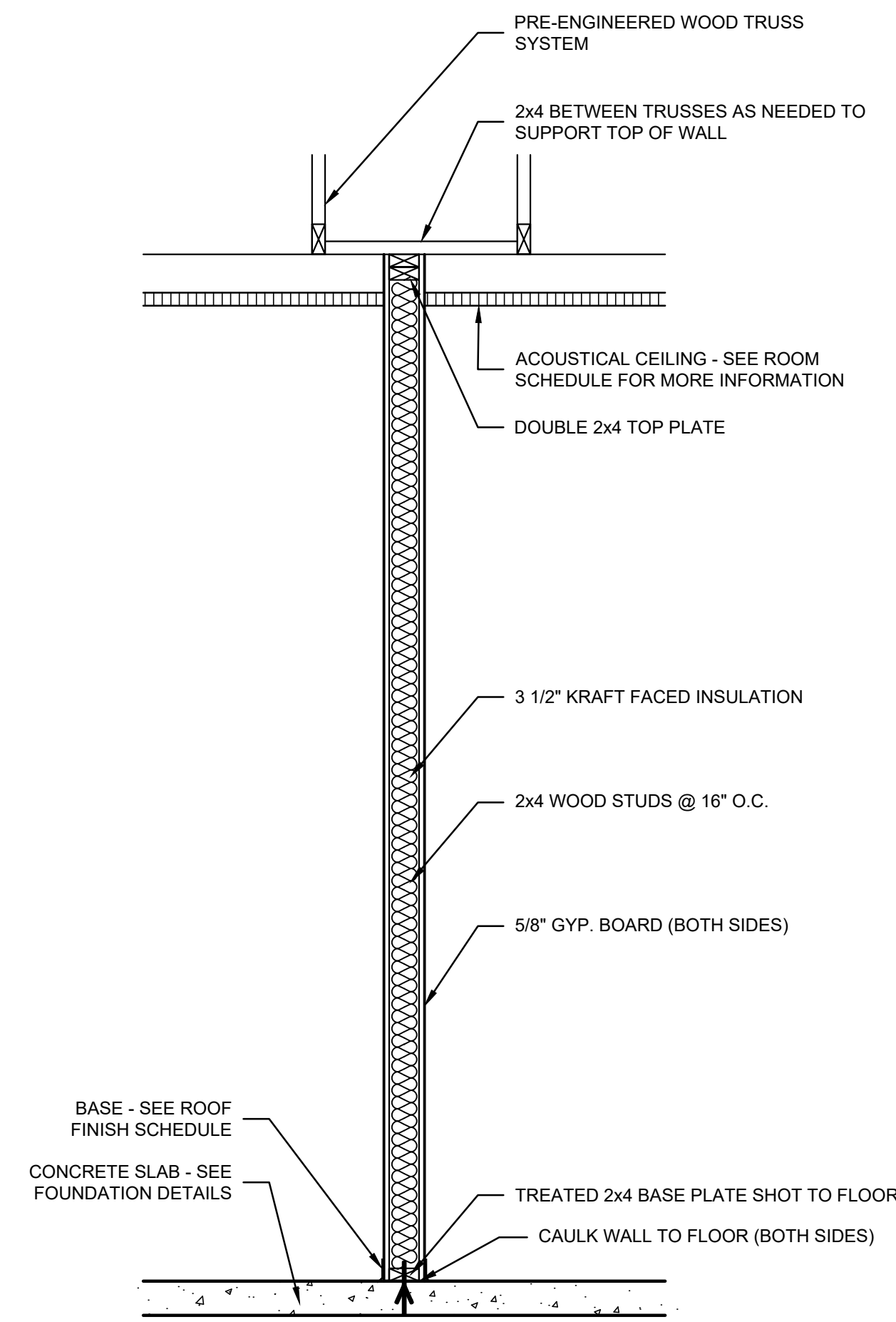
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LOUISVILLE, KENTUCKY 40213 (502) 636-5113

RENOVATION FOR:  
**PLEASURE RIDGE PARK  
FIRE STATION 1**  
4500 KERRICK LN.  
LOUISVILLE, KY 40258

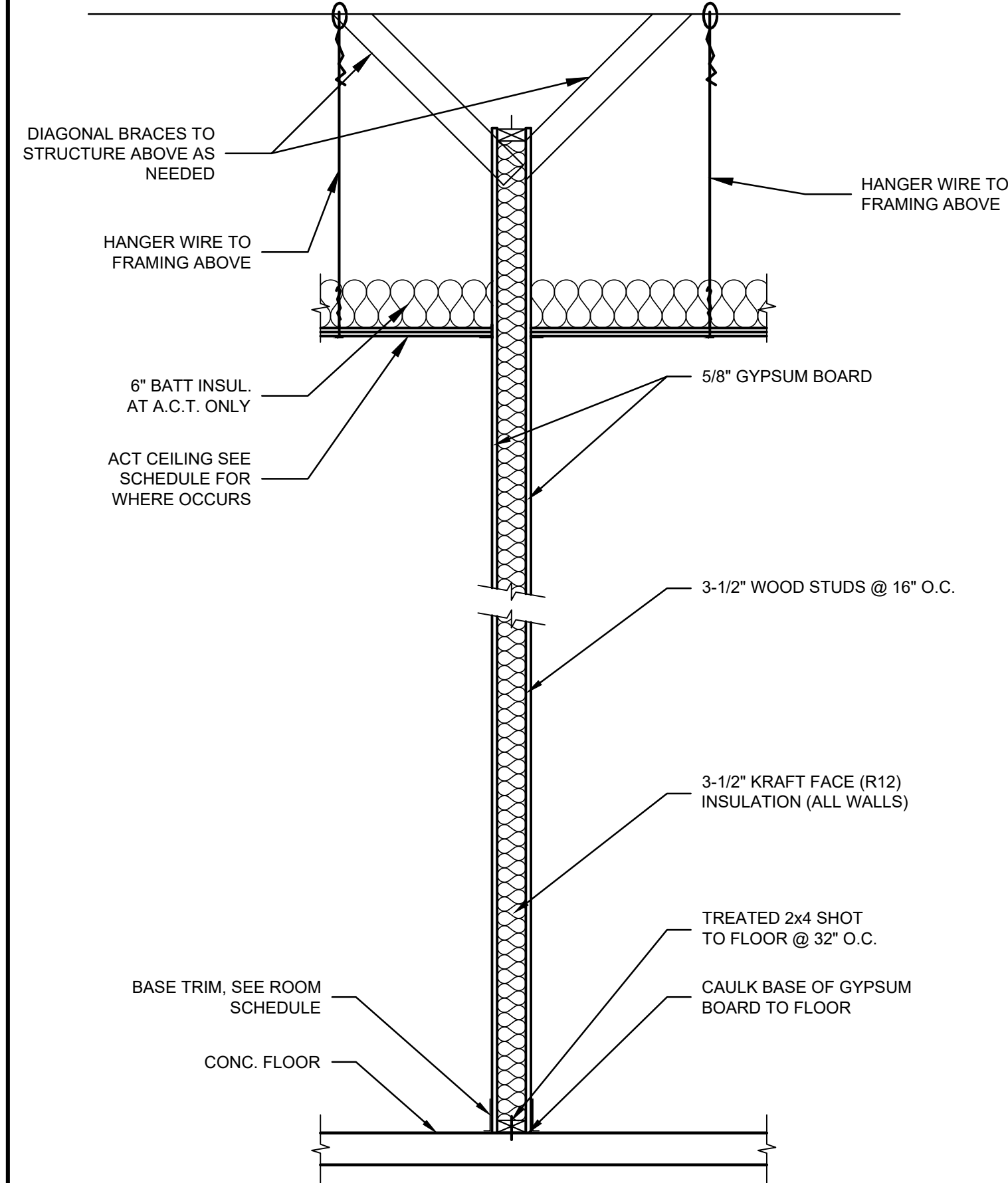
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WALL SECTIONS  
**A5.04**

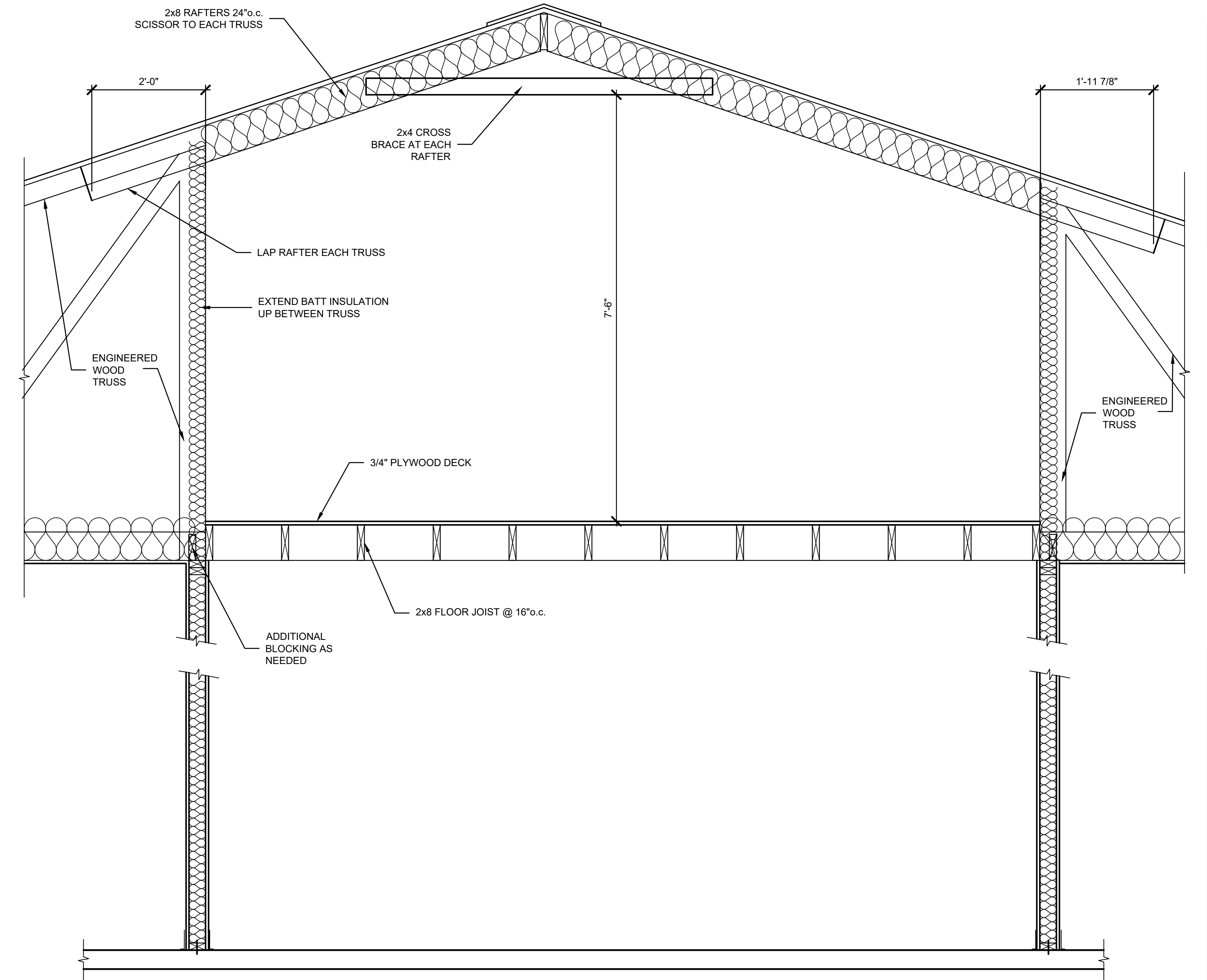




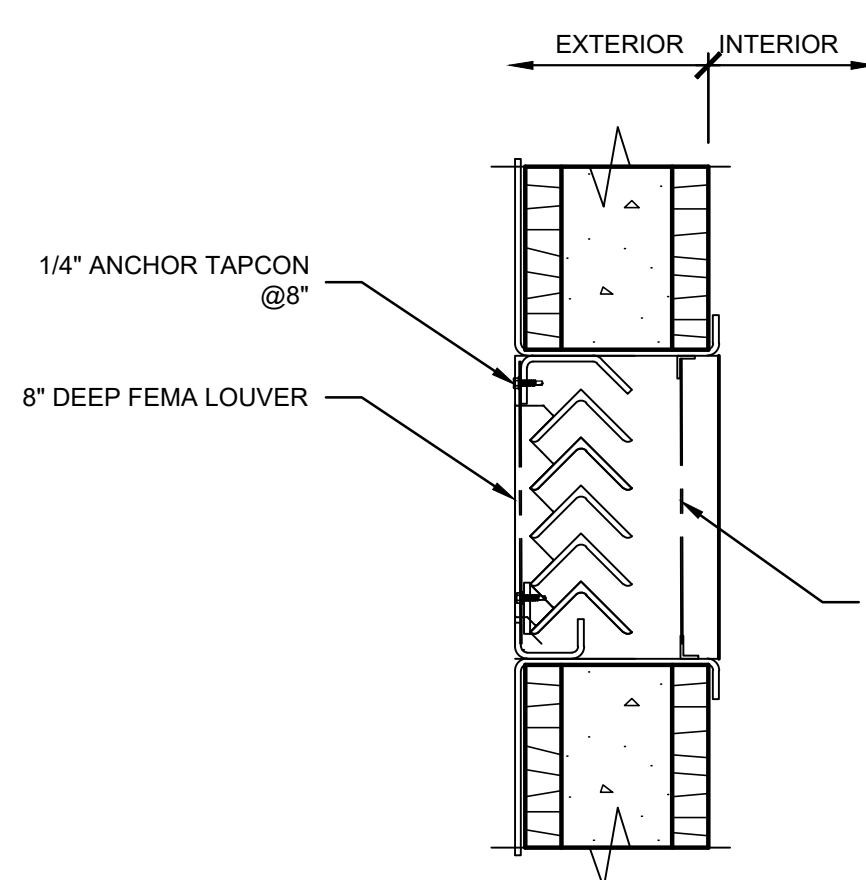
**01** TYPICAL INTERIOR WALL SECTION  
SCALE: 3/4" = 1'-0"



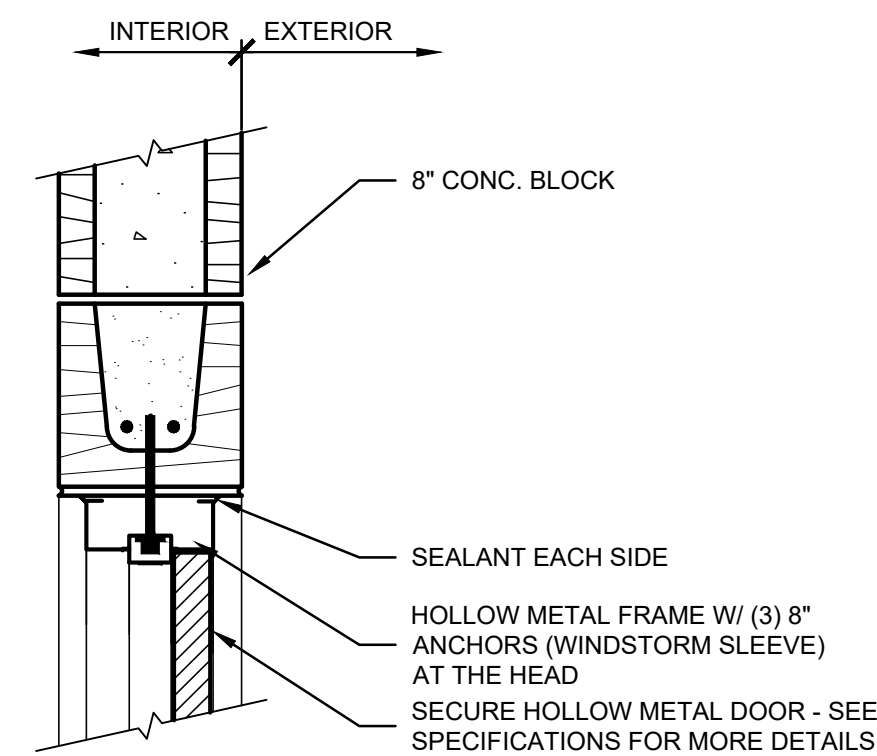
**02** TYPICAL BRACED INTERIOR WALL SECTION  
SCALE: 3/4" = 1'-0"



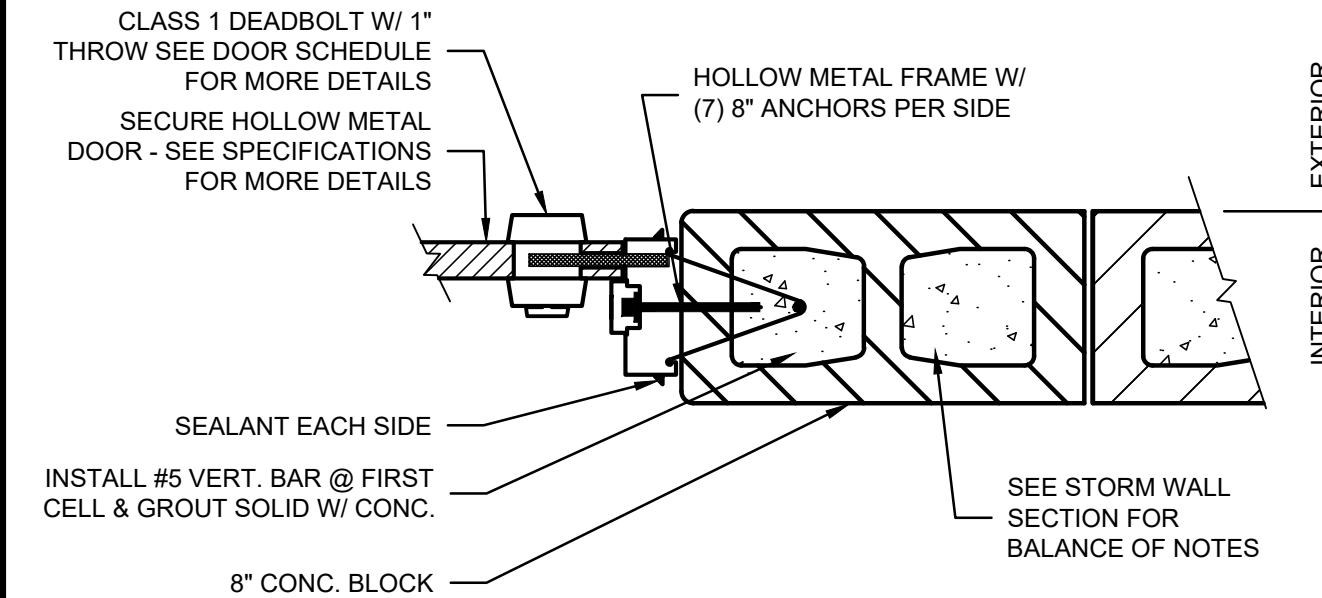
**03** SECTION THRU MEZZANINE  
SCALE: 3/4" = 1'-0"



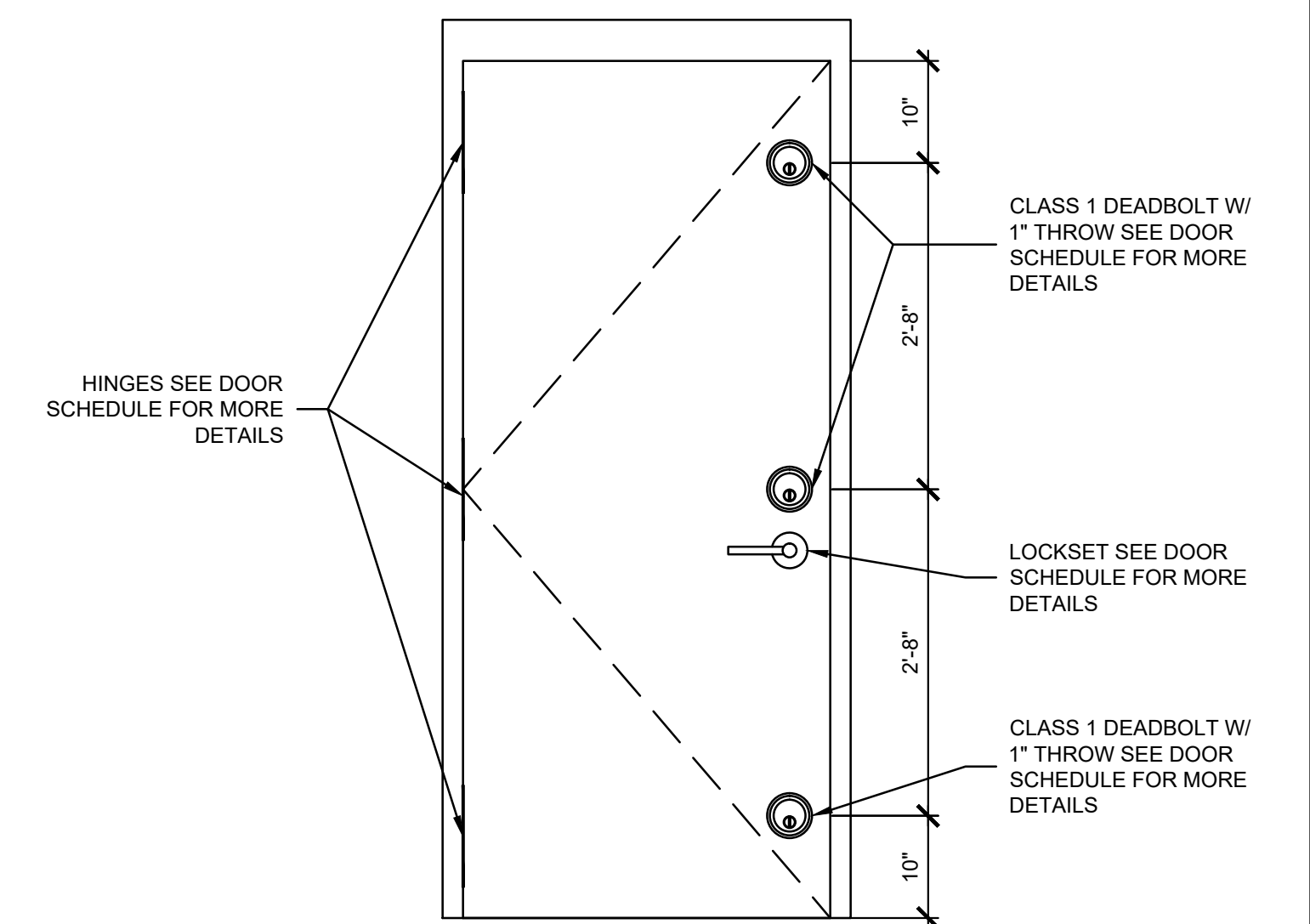
**05** STORM SHELTER VENT DETAIL  
SCALE: 1 1/2" = 1'-0"



**06** SECURE DOOR HEAD DETAIL  
SCALE: 1-1/2" = 1'-0"



**07** SECURE DOOR JAMB DETAIL  
SCALE: 1-1/2" = 1'-0"



**08** SECURE DOOR ELEVATION  
SCALE: NTS

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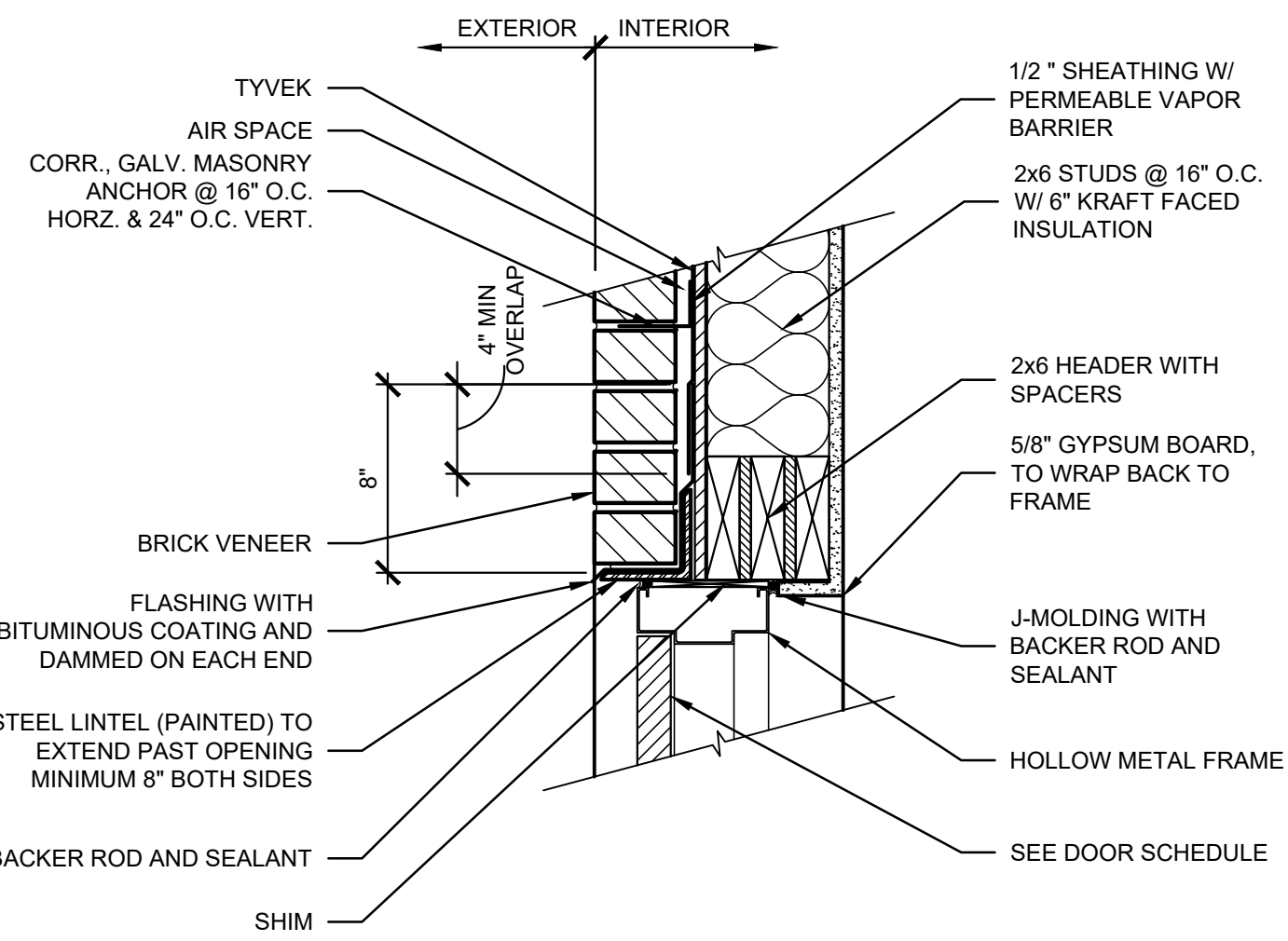


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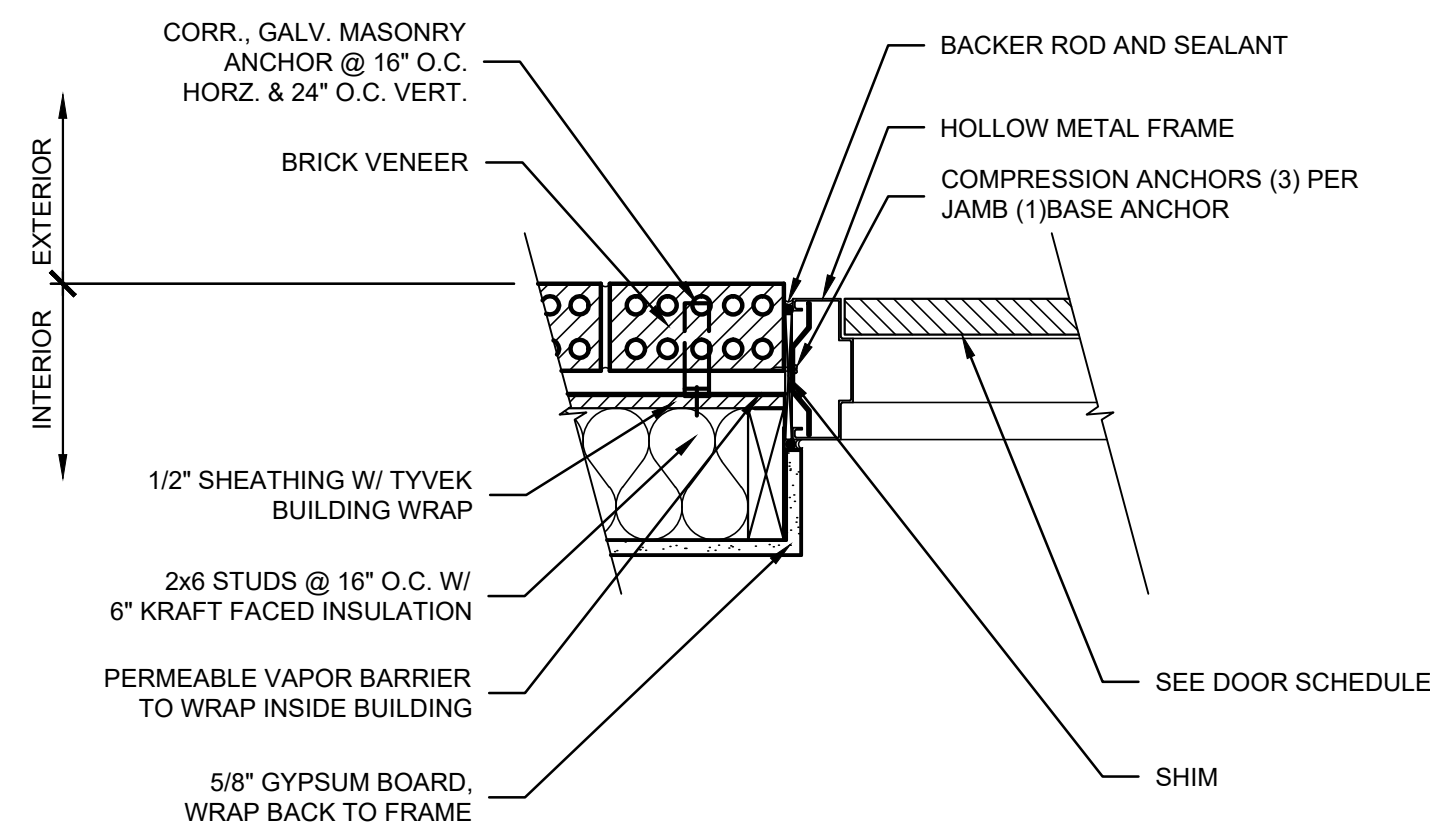
RENOVATION FOR:  
**PLEASURE RIDGE PARK  
FIRE STATION 1**  
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STORM SHELTER WALL  
SECTIONS & DETAILS  
**A5.05**

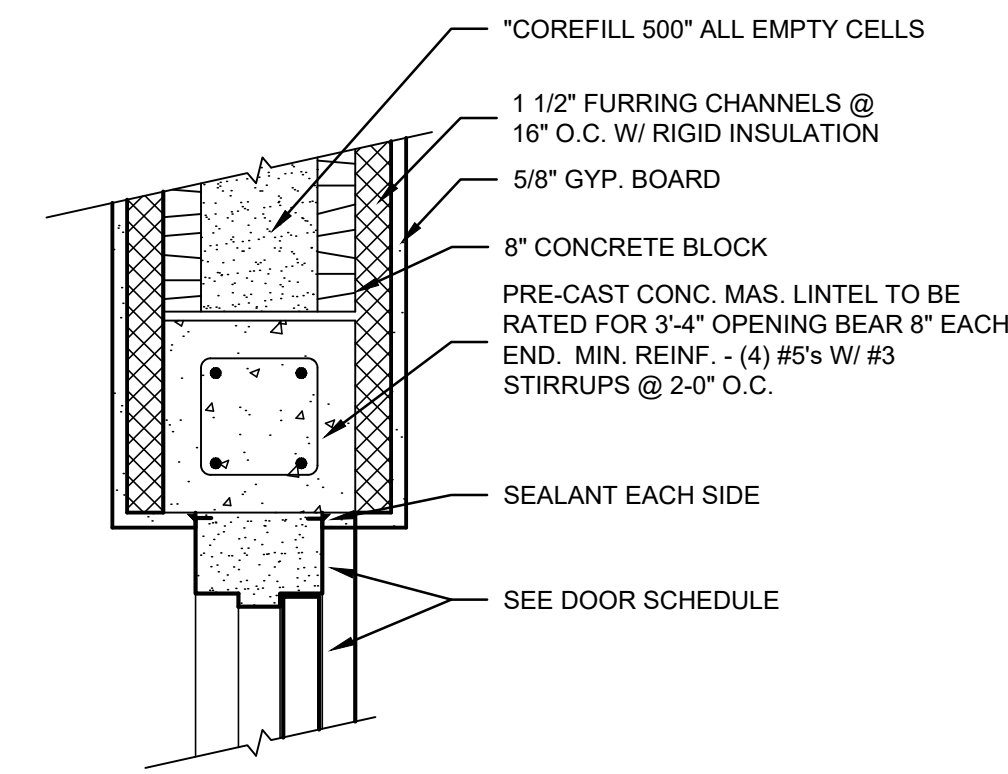




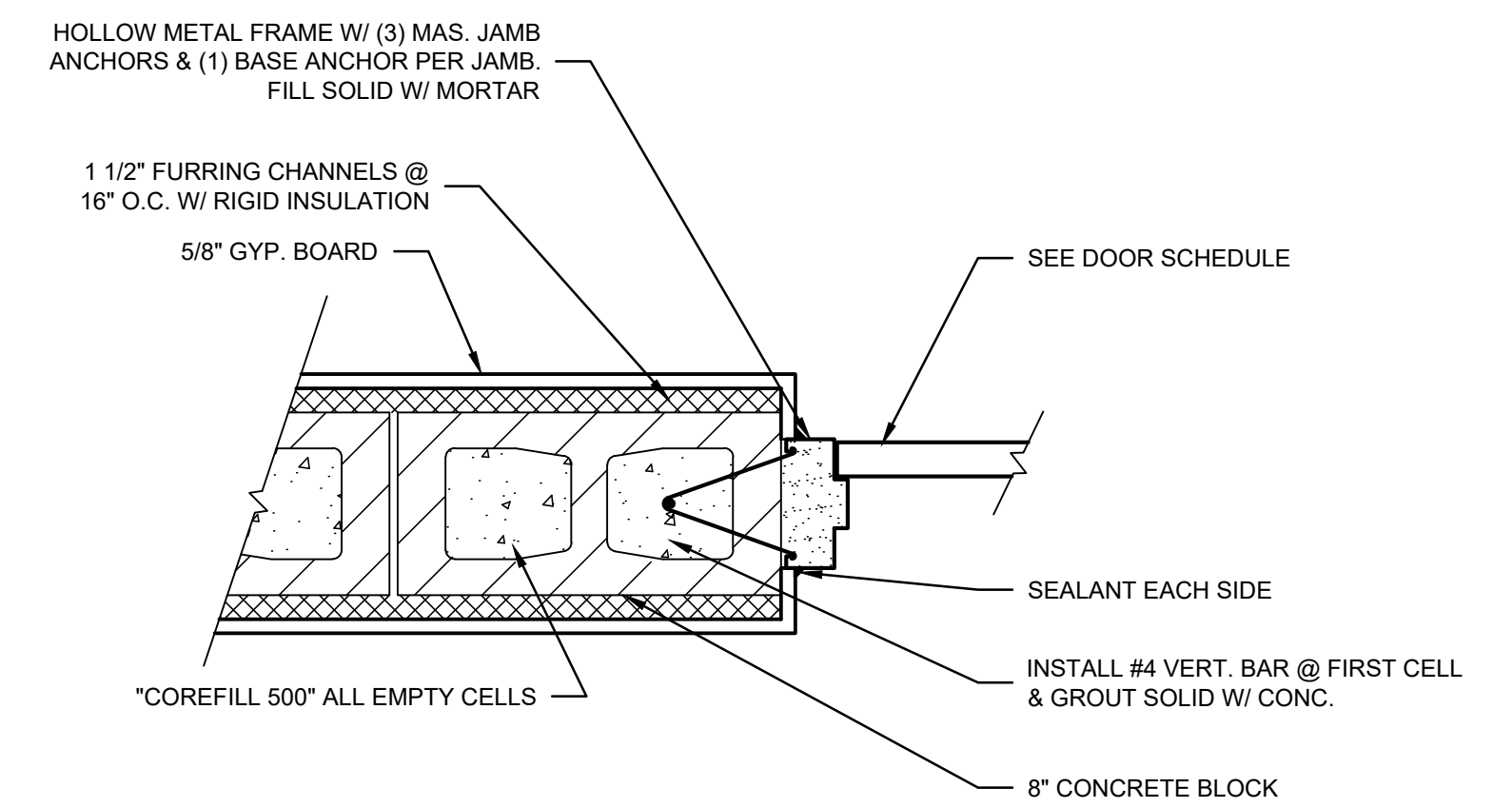
**01 HOLLOW METAL FRAME DOOR HEAD**  
SCALE: 1-1/2" = 1'-0"



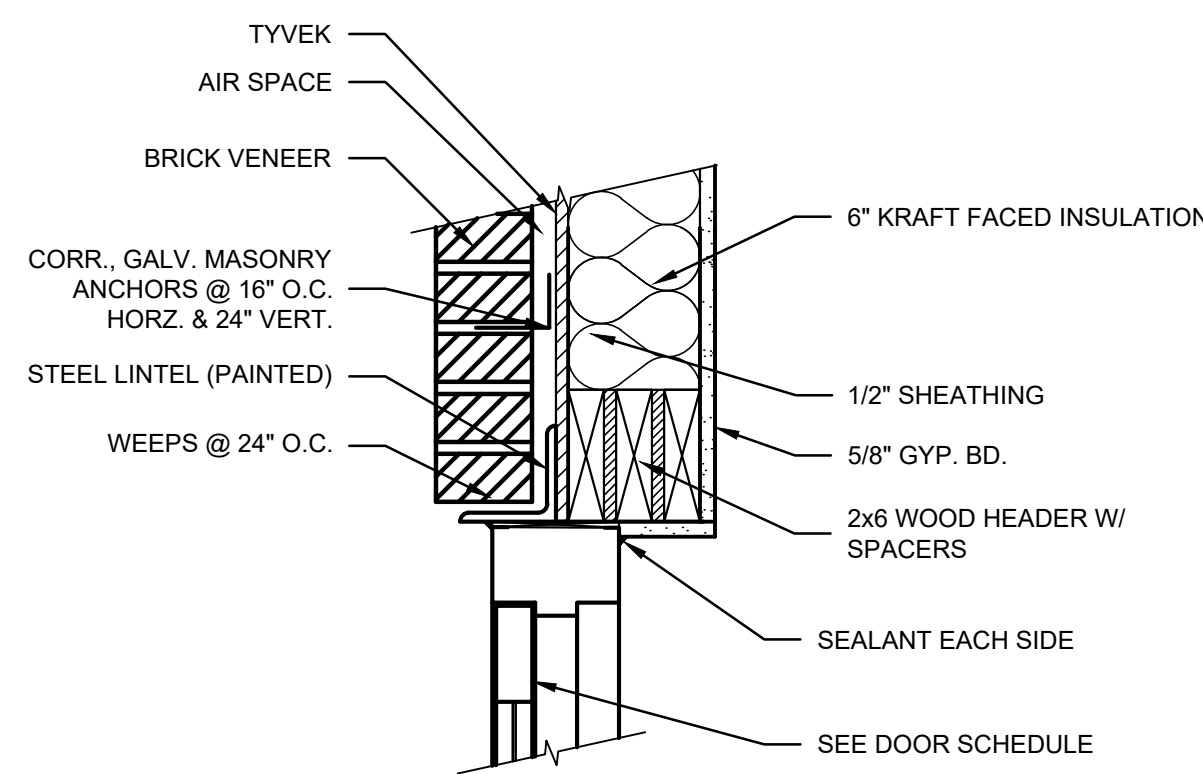
**02 HOLLOW METAL FRAME DOOR JAMB**  
SCALE: 1-1/2" = 1'-0"



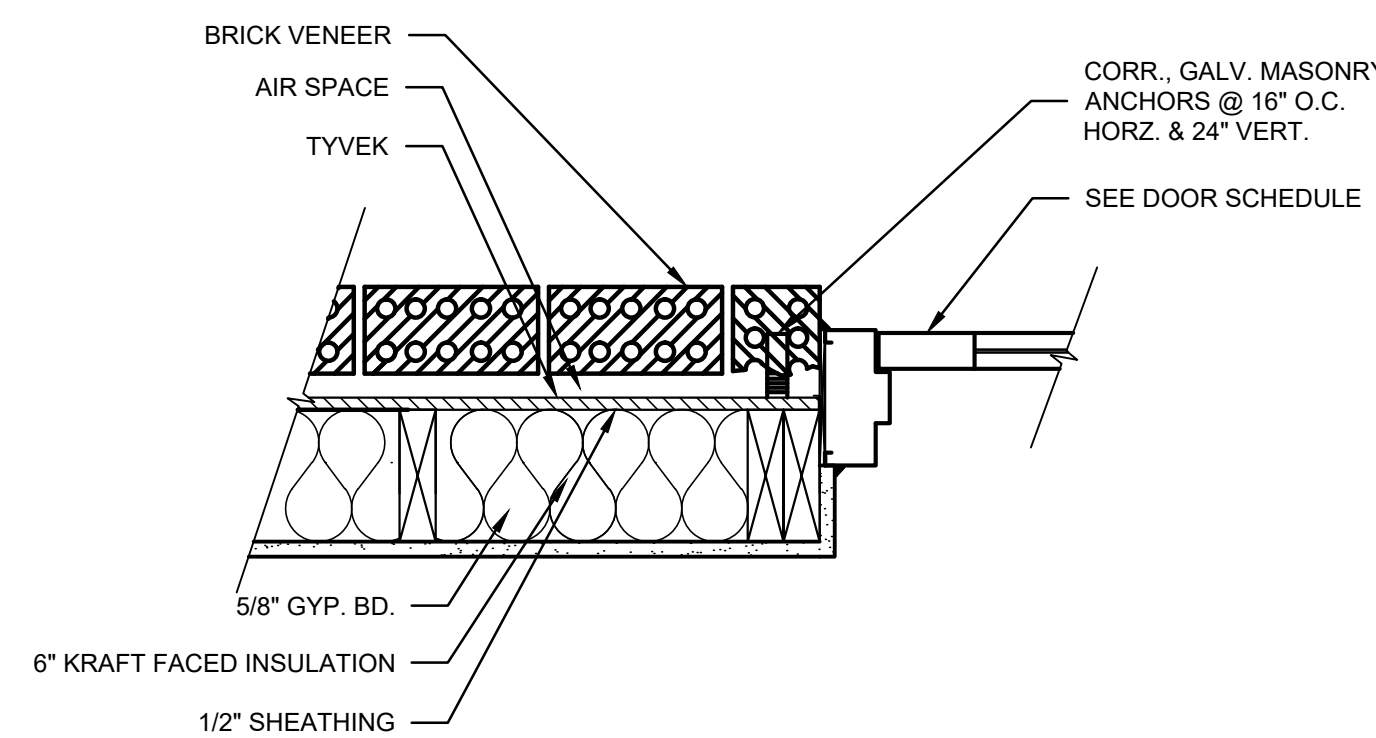
**03 HOLLOW METAL FRAME DOOR HEAD**  
SCALE: 1-1/2" = 1'-0"



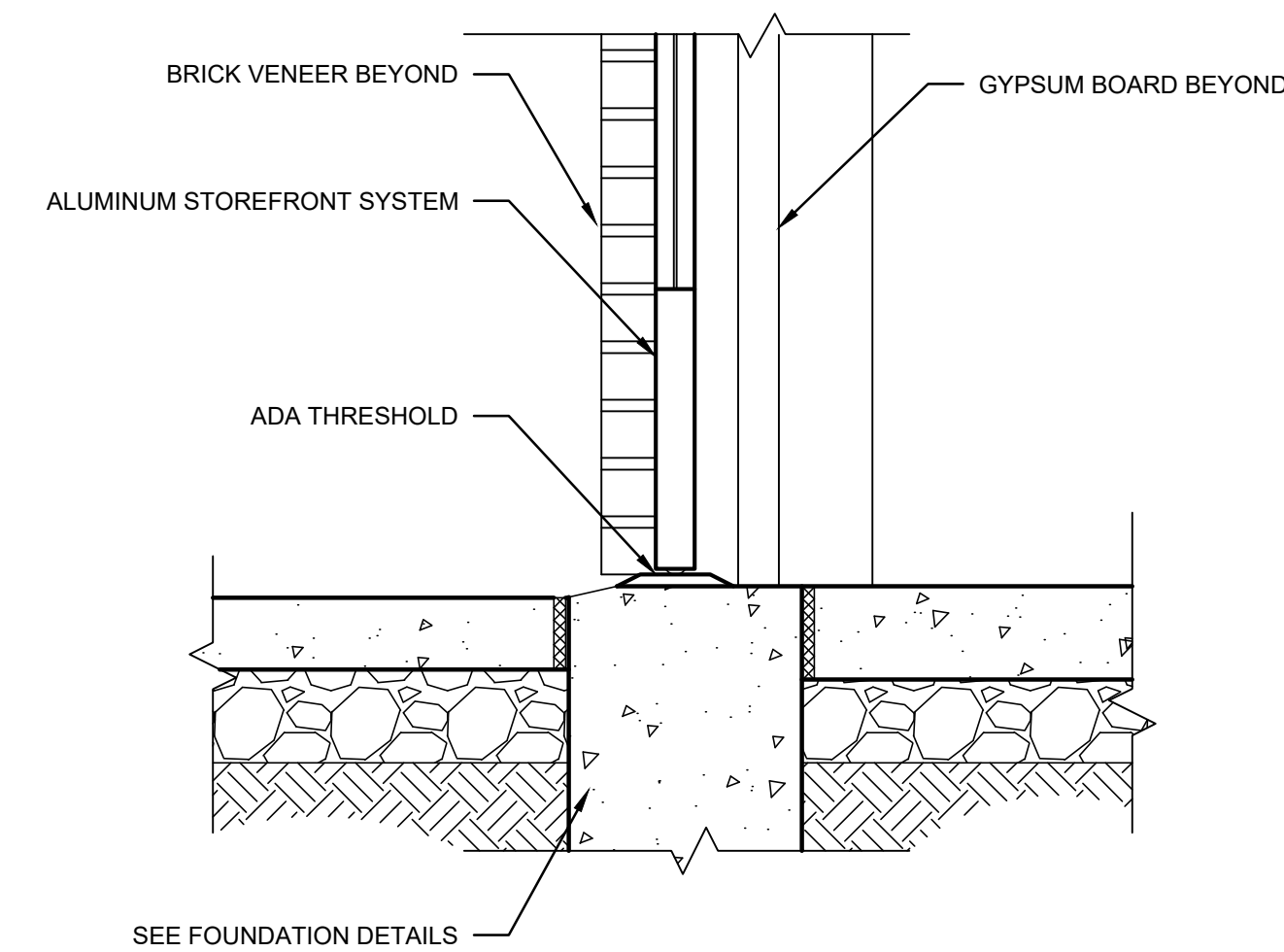
**04 HOLLOW METAL FRAME DOOR JAMB**  
SCALE: 1-1/2" = 1'-0"



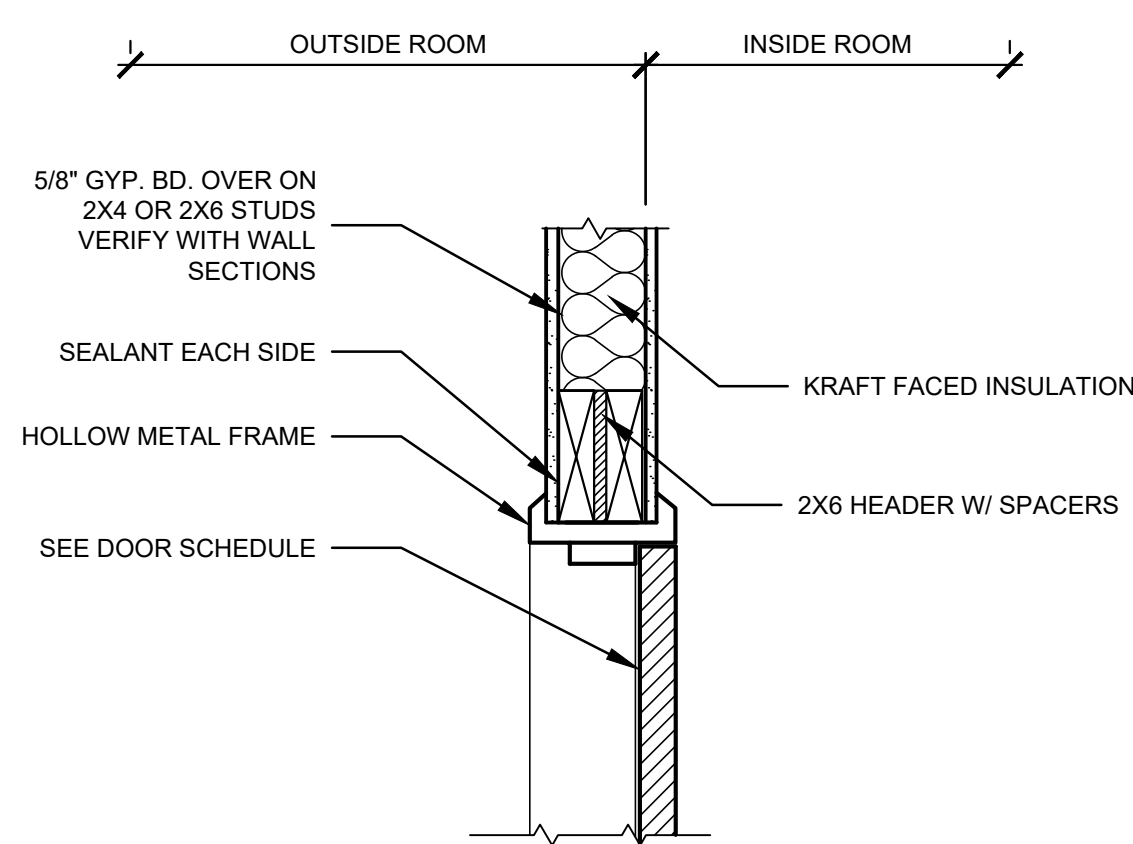
**05 ALUMINUM DOOR HEAD**  
SCALE: 1-1/2" = 1'-0"



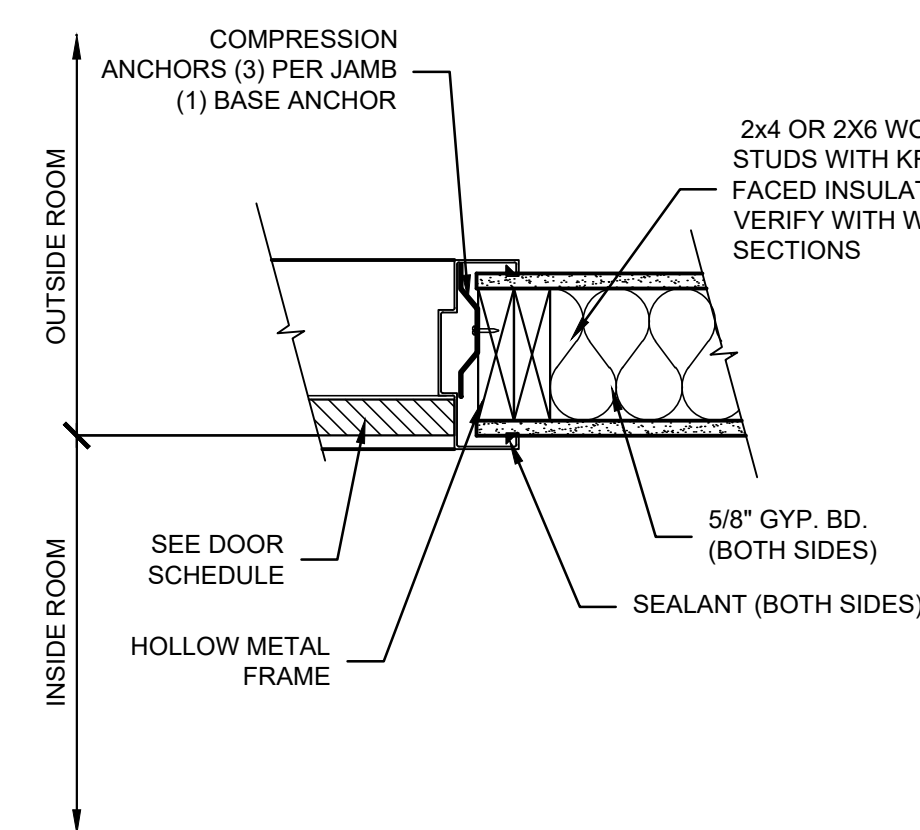
**06 ALUMINUM DOOR JAMB**  
SCALE: 1-1/2" = 1'-0"



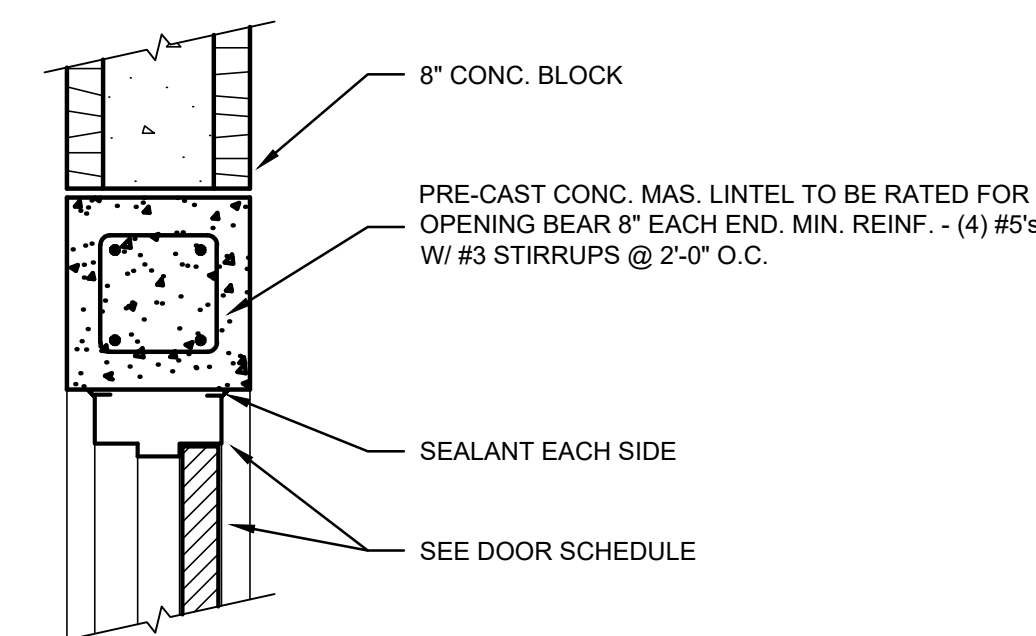
**07 THRESHOLD DETAIL**  
SCALE: 1-1/2" = 1'-0"



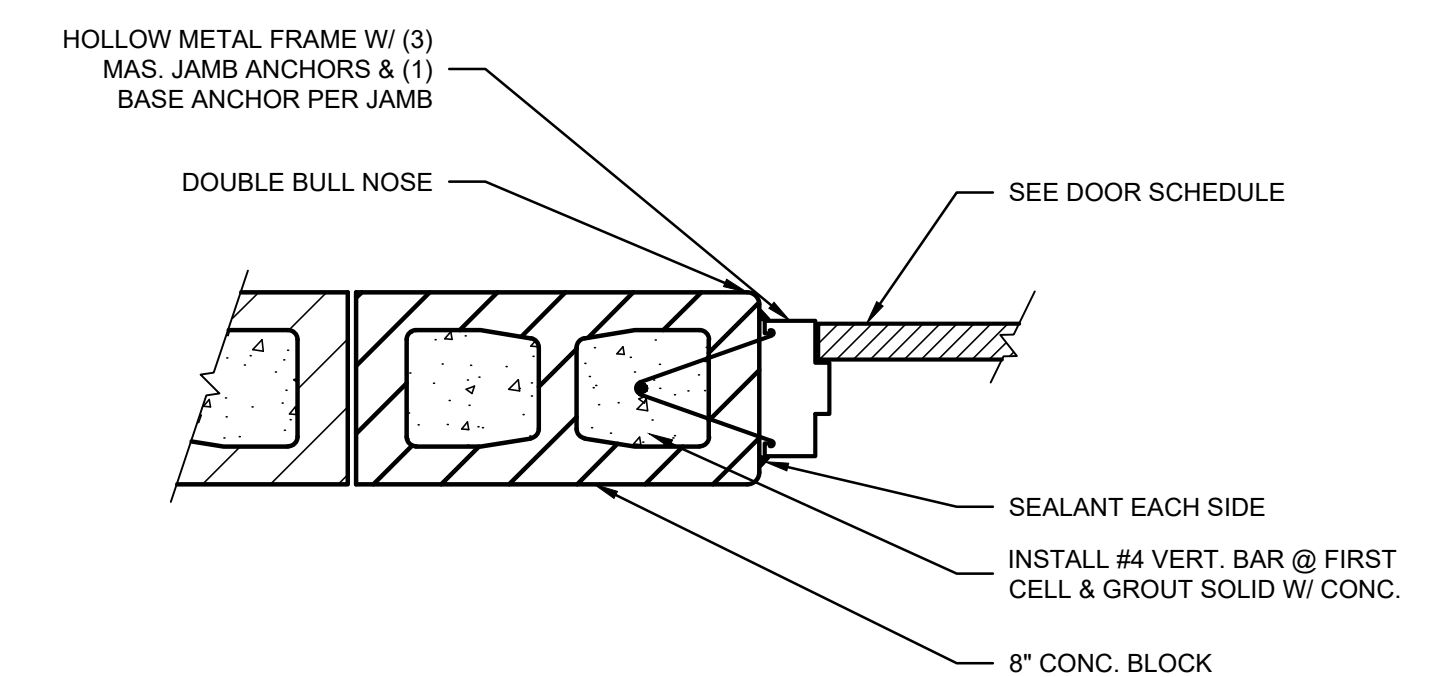
**08 HOLLOW METAL FRAME DOOR HEAD**  
SCALE: 1-1/2" = 1'-0"



**09 HOLLOW METAL FRAME DOOR JAMB**  
SCALE: 1-1/2" = 1'-0"



**10 HOLLOW METAL FRAME DOOR HEAD**  
SCALE: 1-1/2" = 1'-0"

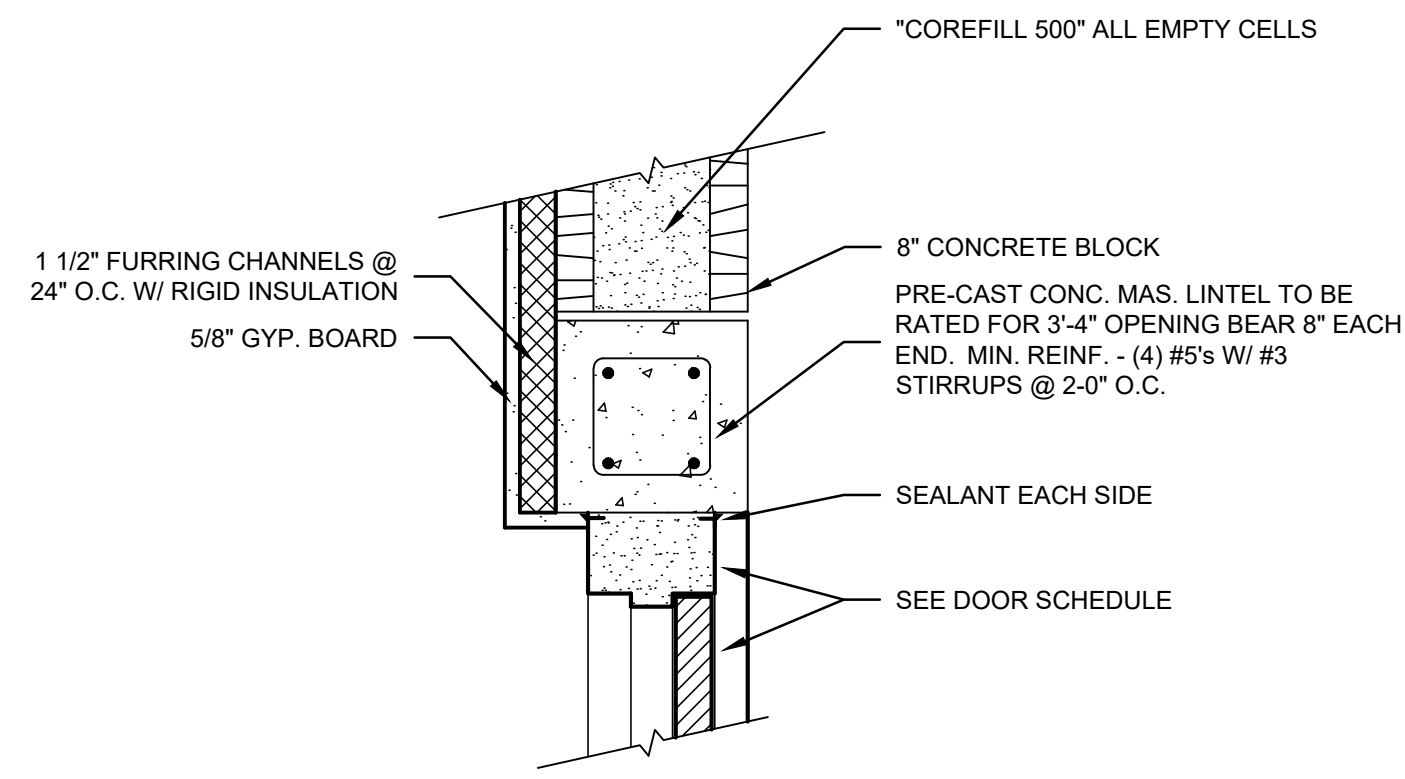


**11 HOLLOW METAL FRAME DOOR JAMB**  
SCALE: 1-1/2" = 1'-0"

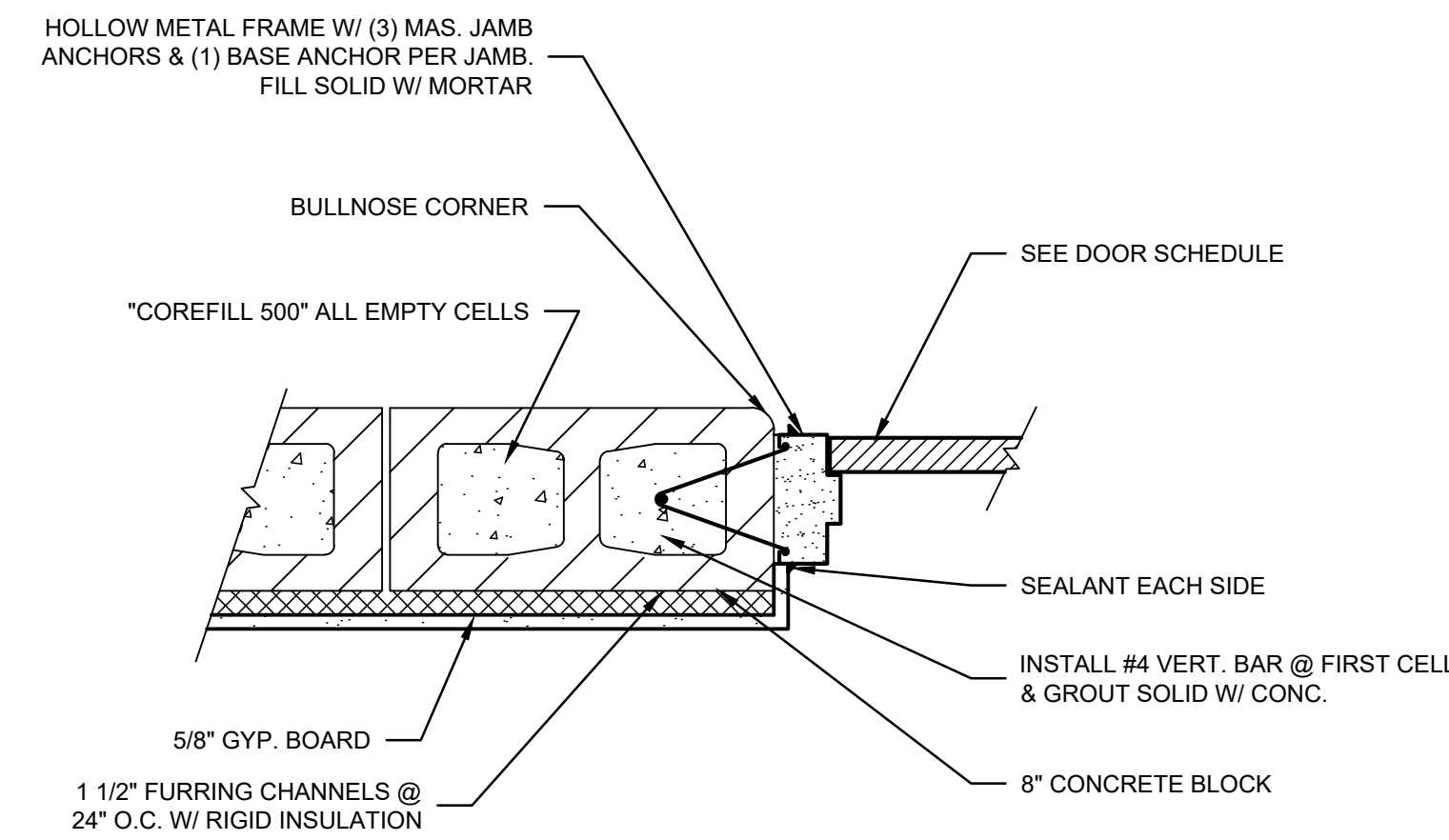


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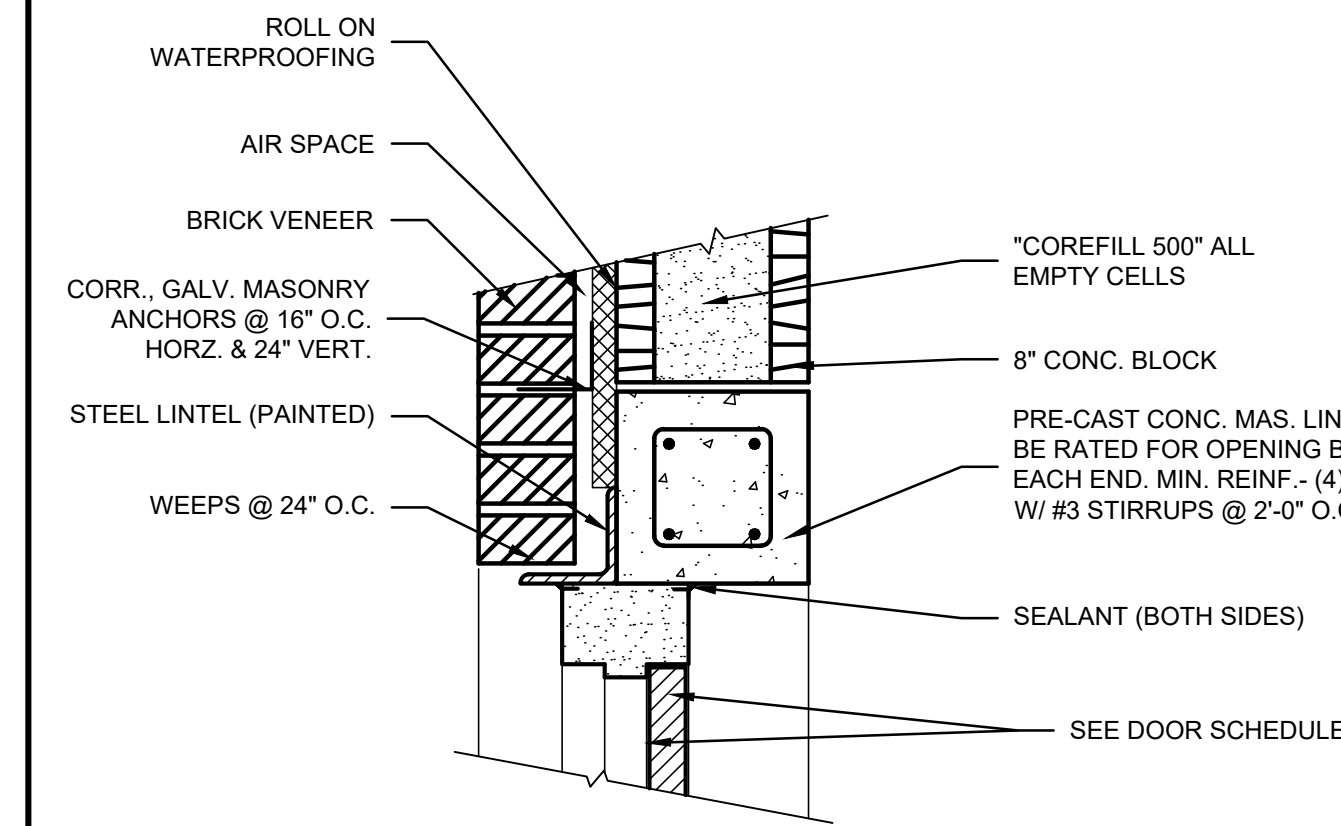
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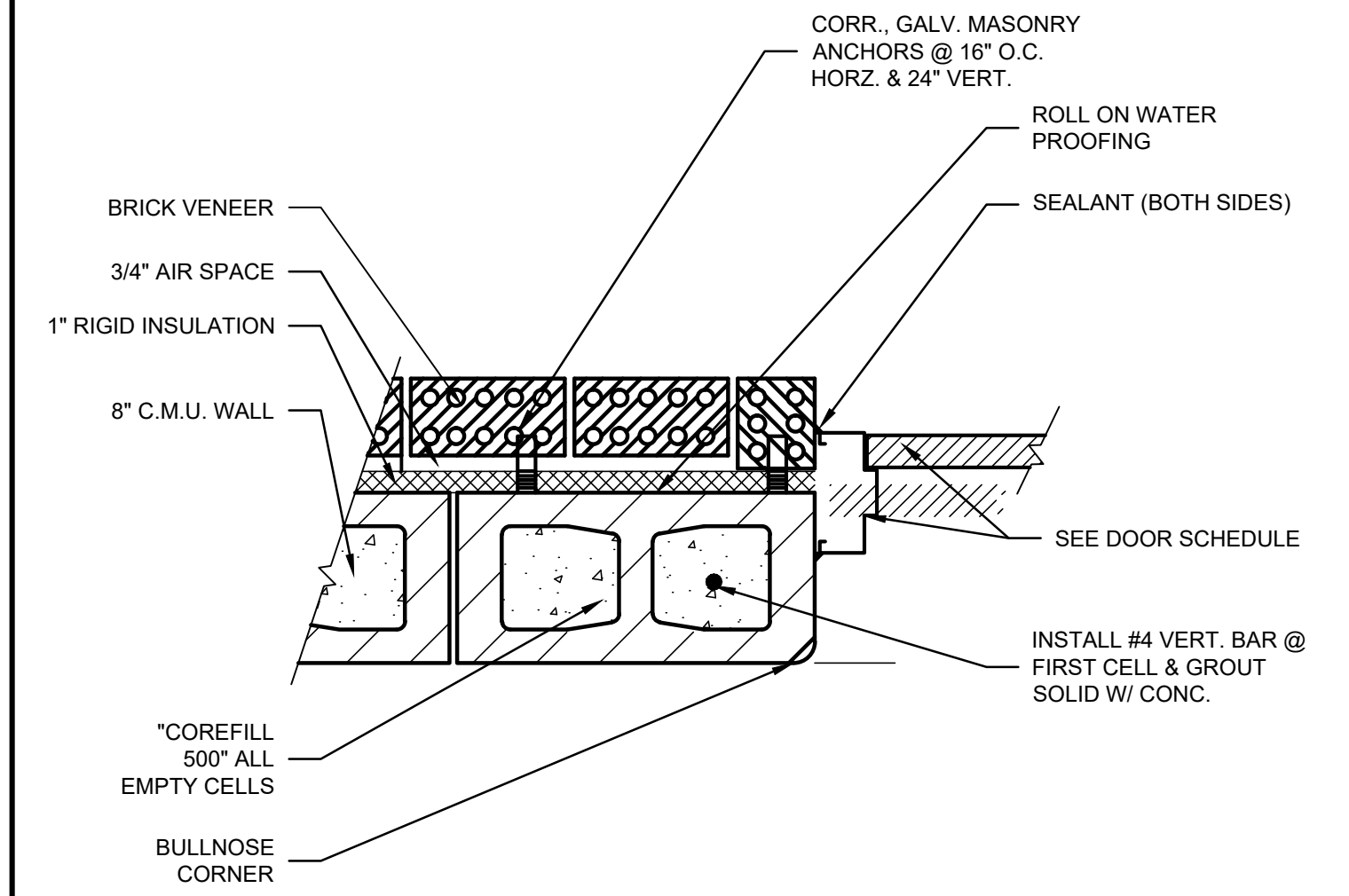
**01 HOLLOW METAL DOOR HEAD**  
SCALE: 1-1/2" = 1'-0"



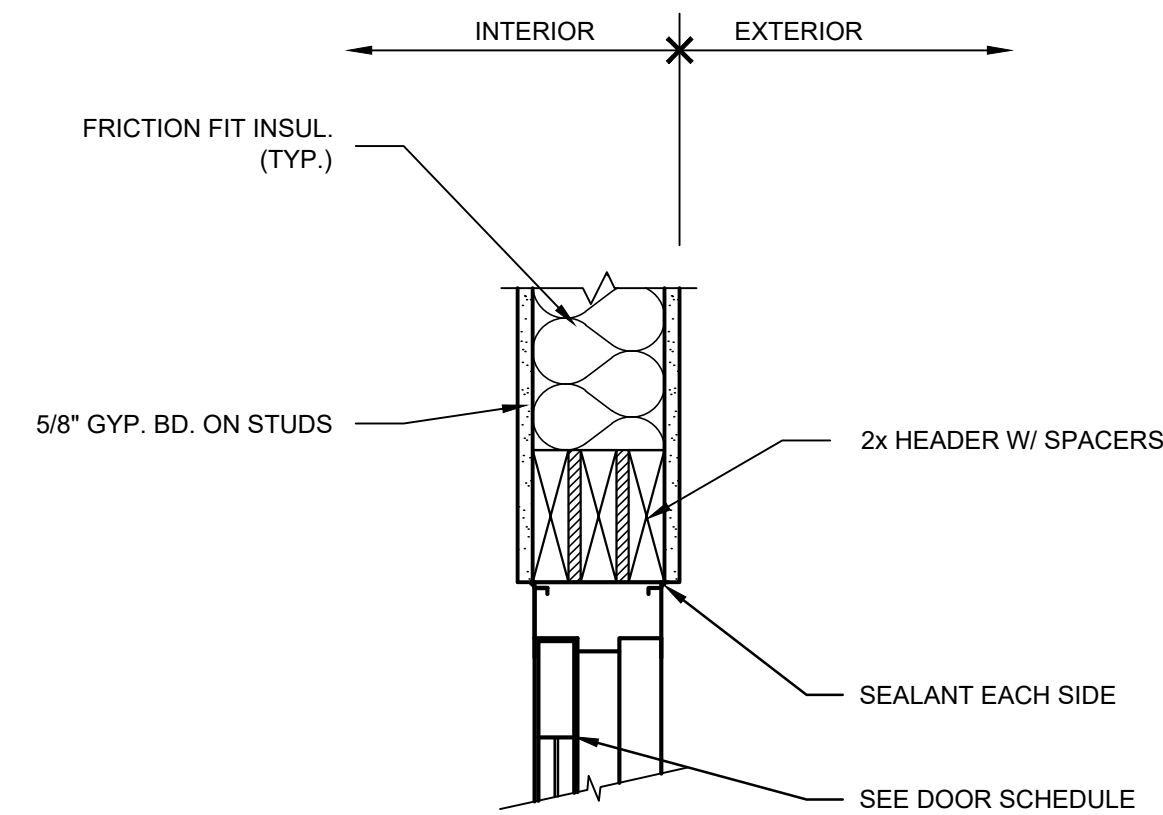
**02 HOLLOW METAL DOOR JAMB**  
SCALE: 1-1/2" = 1'-0"



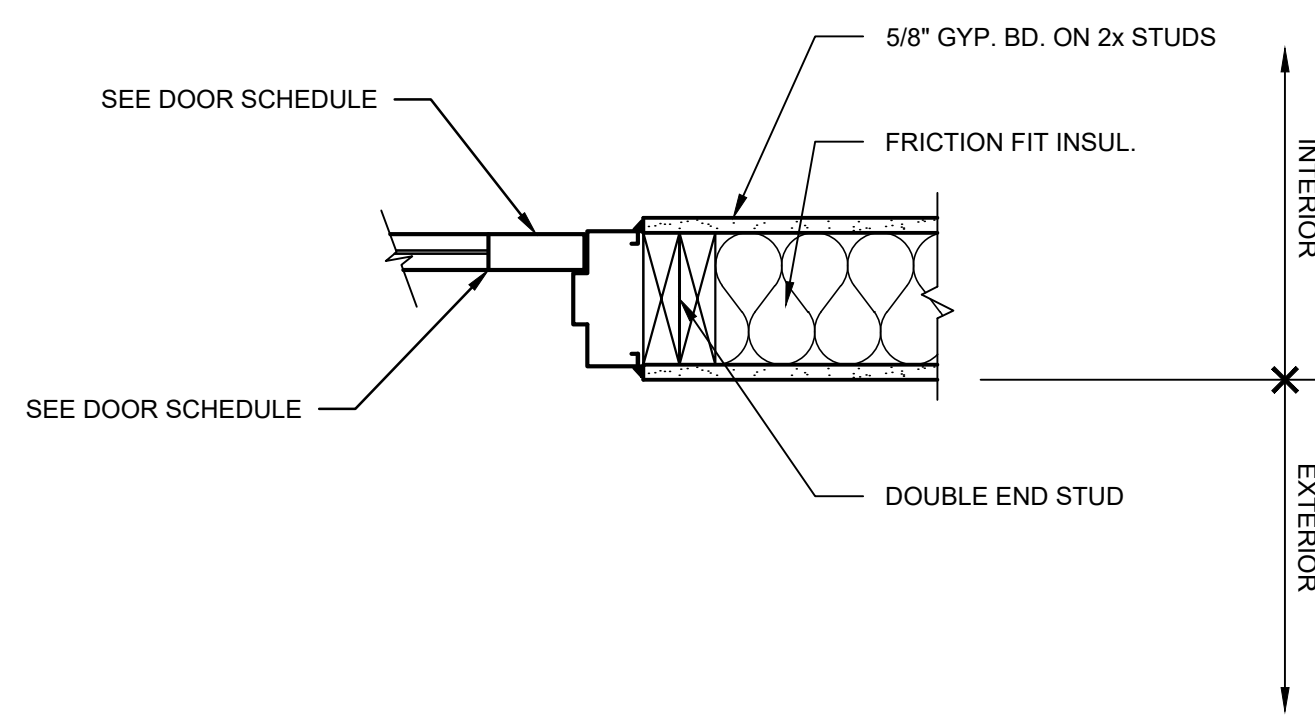
**05 HOLLOW METAL FRAME DOOR HEAD**  
SCALE: 1-1/2" = 1'-0"



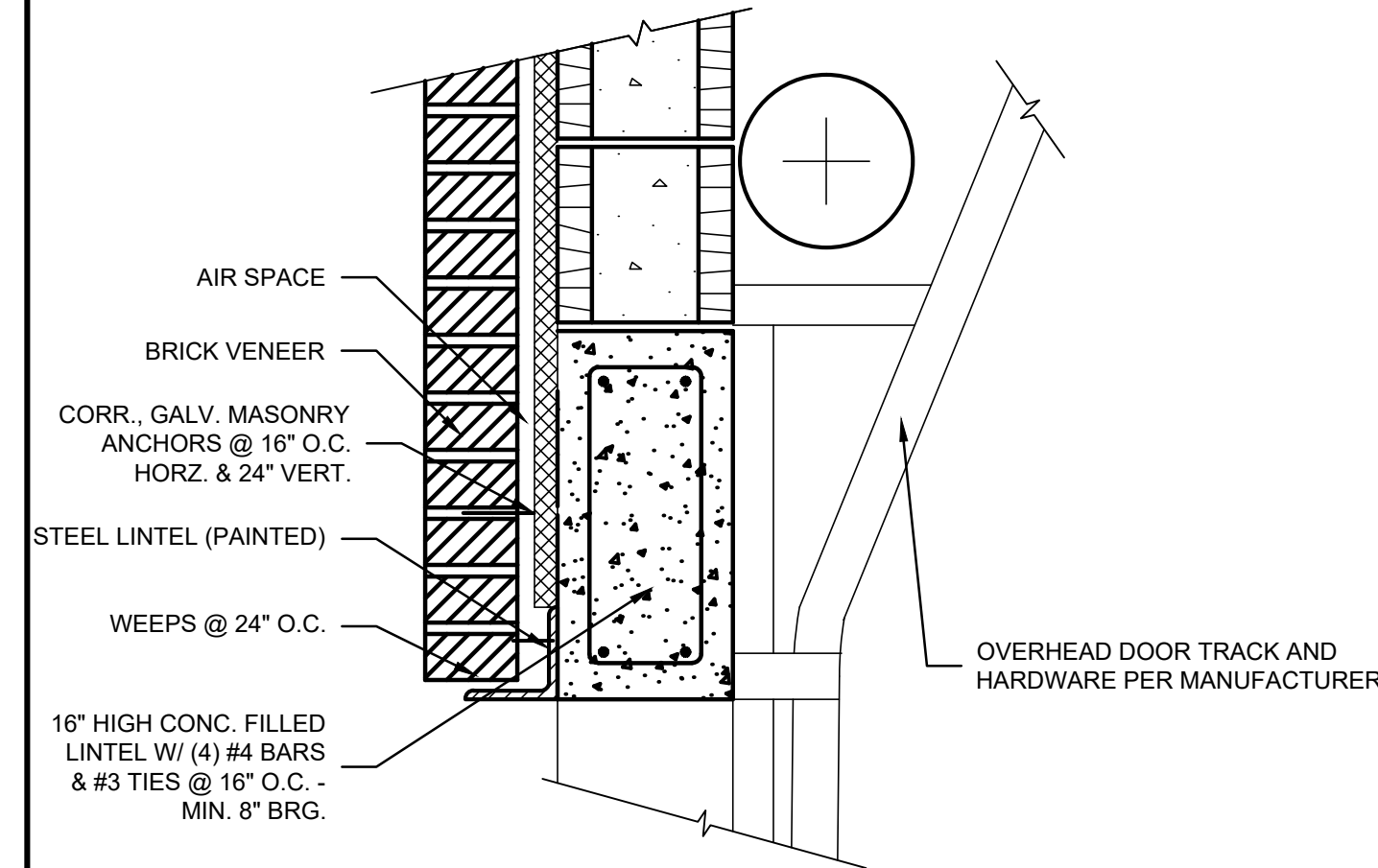
**06 HOLLOW METAL FRAME DOOR JAMB**  
SCALE: 1-1/2" = 1'-0"



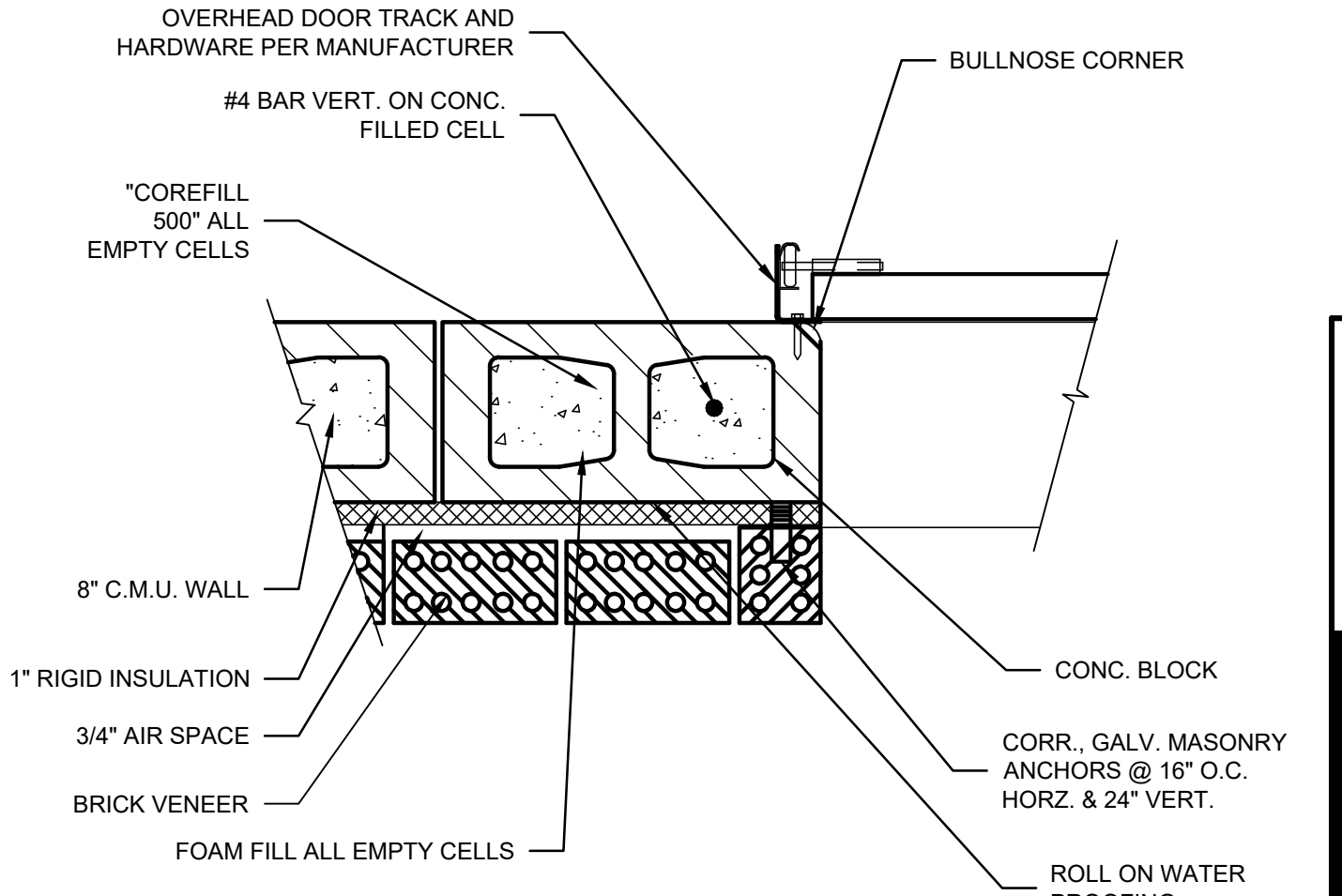
**07 ALUMINUM DOOR HEAD**  
SCALE: 1-1/2" = 1'-0"



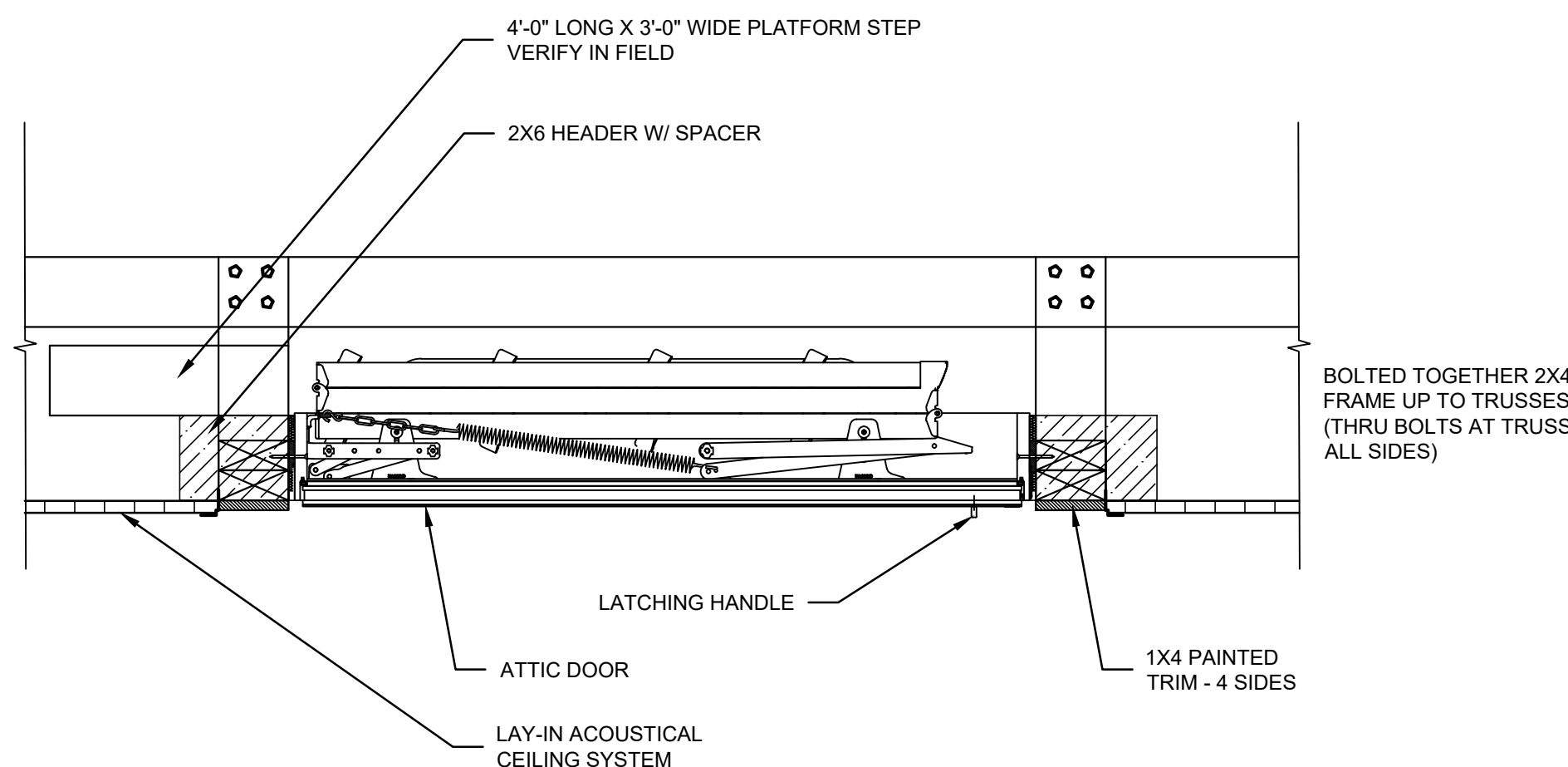
**08 ALUMINUM DOOR JAMB**  
SCALE: 1-1/2" = 1'-0"



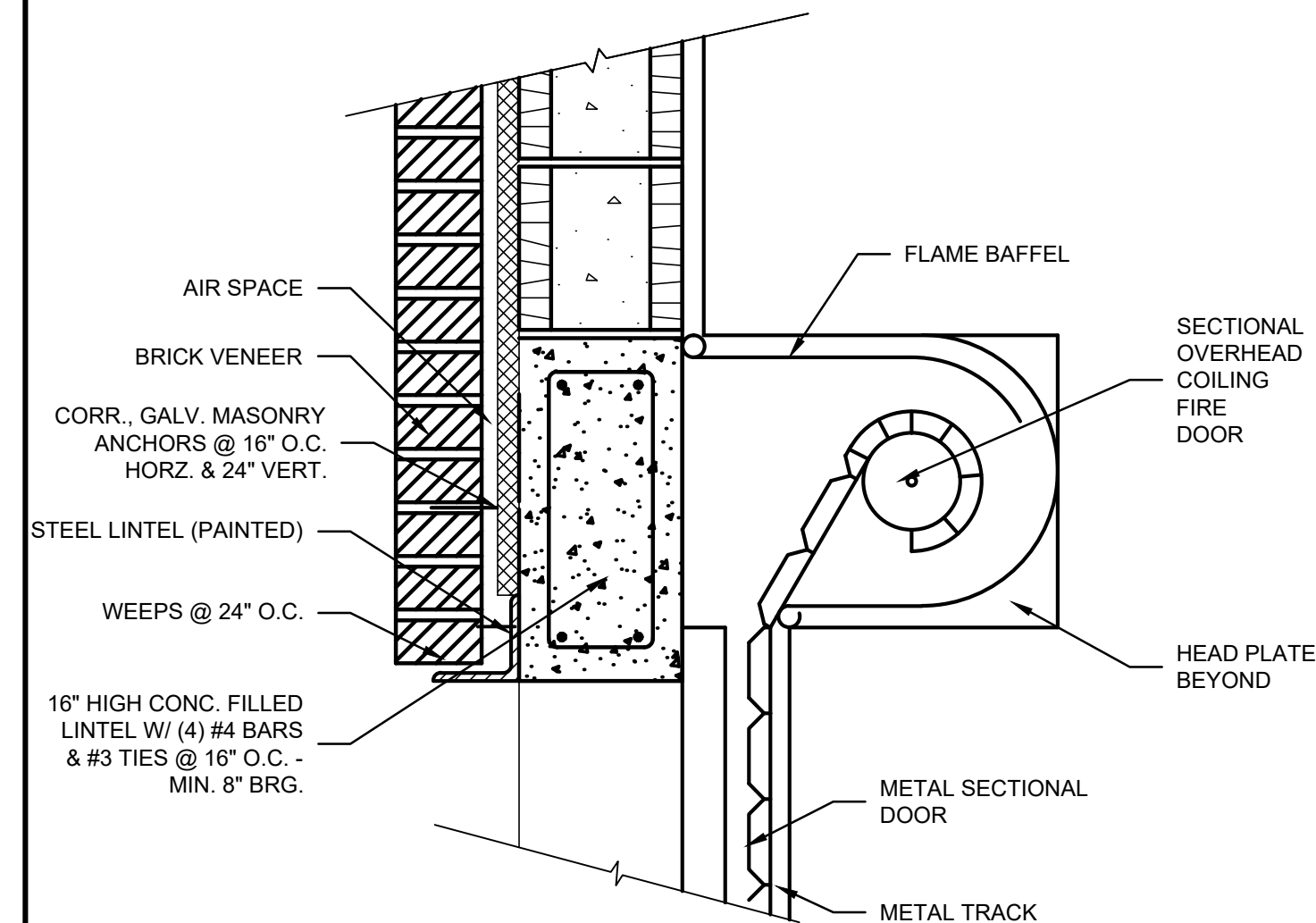
**09 O.H. DOOR HEAD**  
SCALE: 1-1/2" = 1'-0"



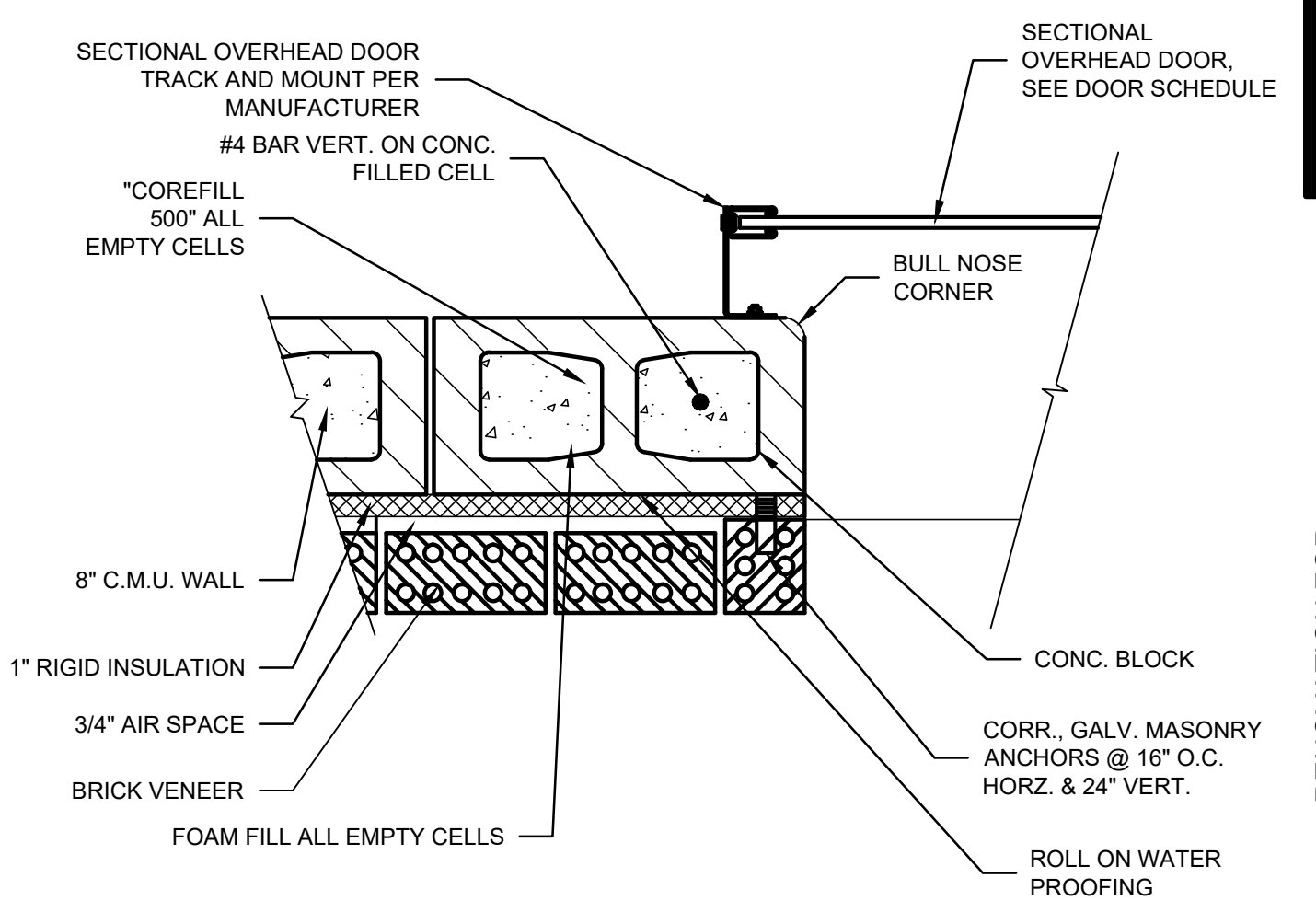
**10 O.H. DOOR JAMB**  
SCALE: 1-1/2" = 1'-0"



**11 ATTIC DOOR**  
SCALE: 1-1/2" = 1'-0"



**12 COILING DOOR HEAD**  
SCALE: 1-1/2" = 1'-0"

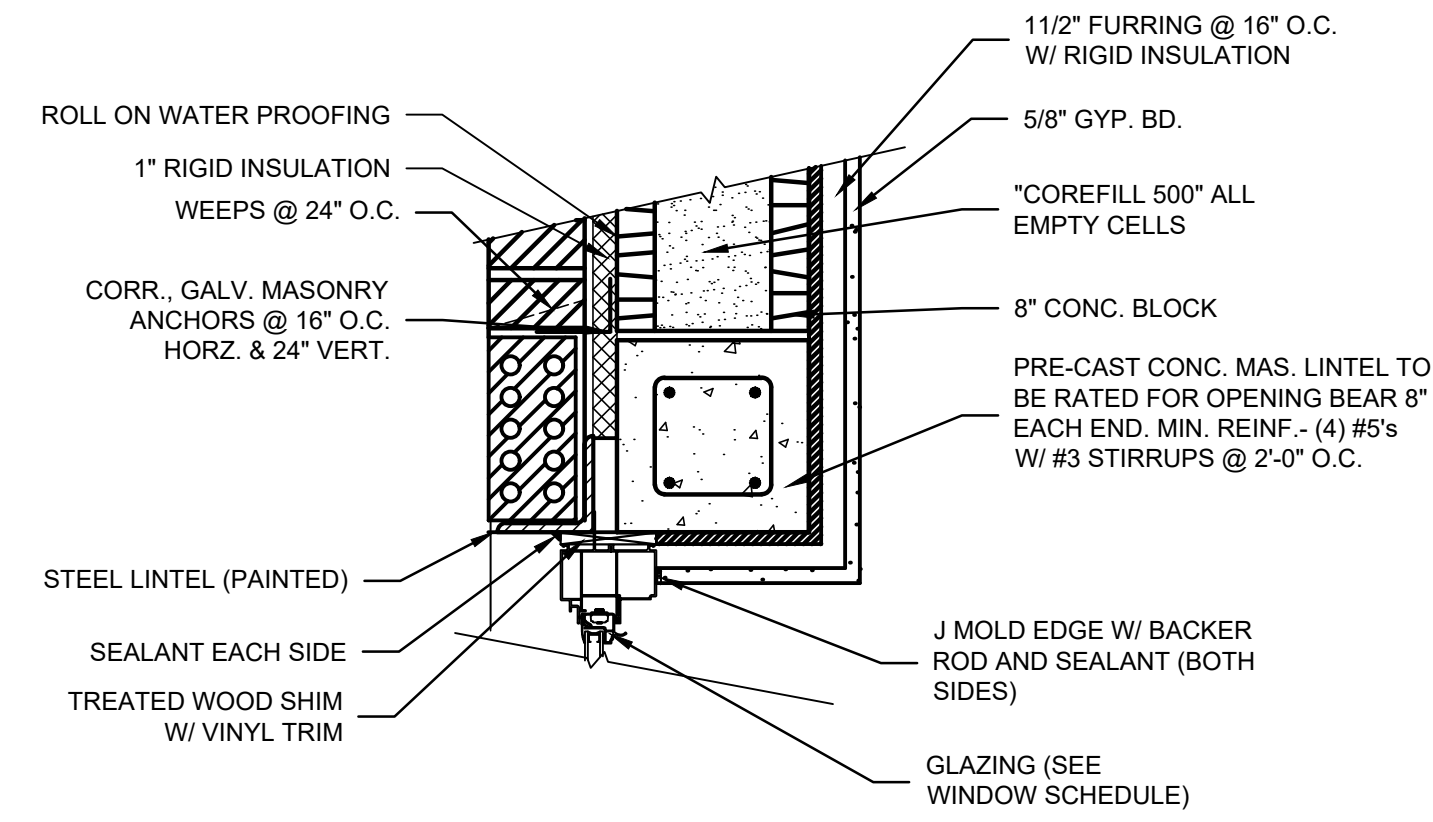


**13 COILING DOOR JAMB**  
SCALE: 1-1/2" = 1'-0"

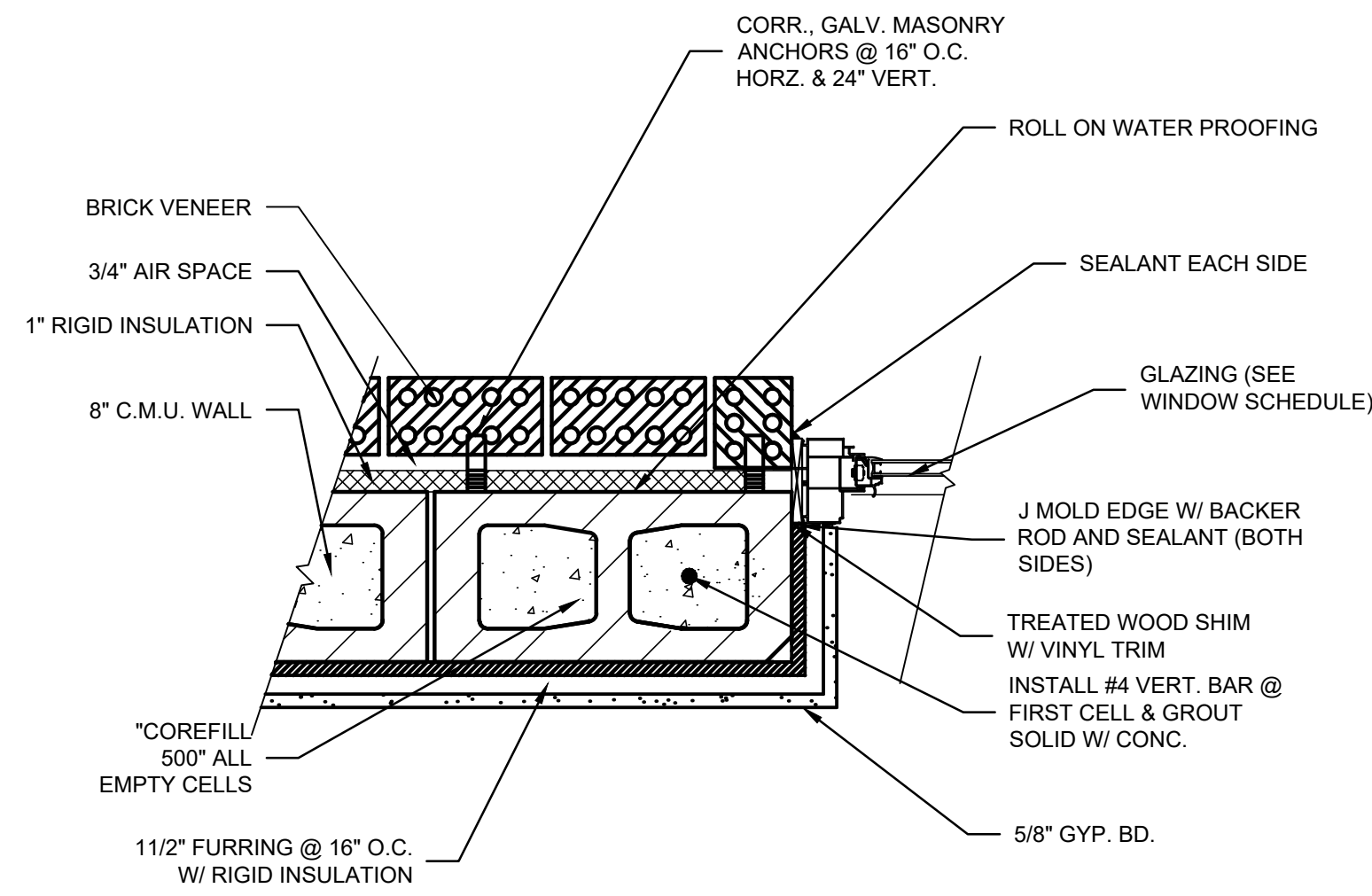


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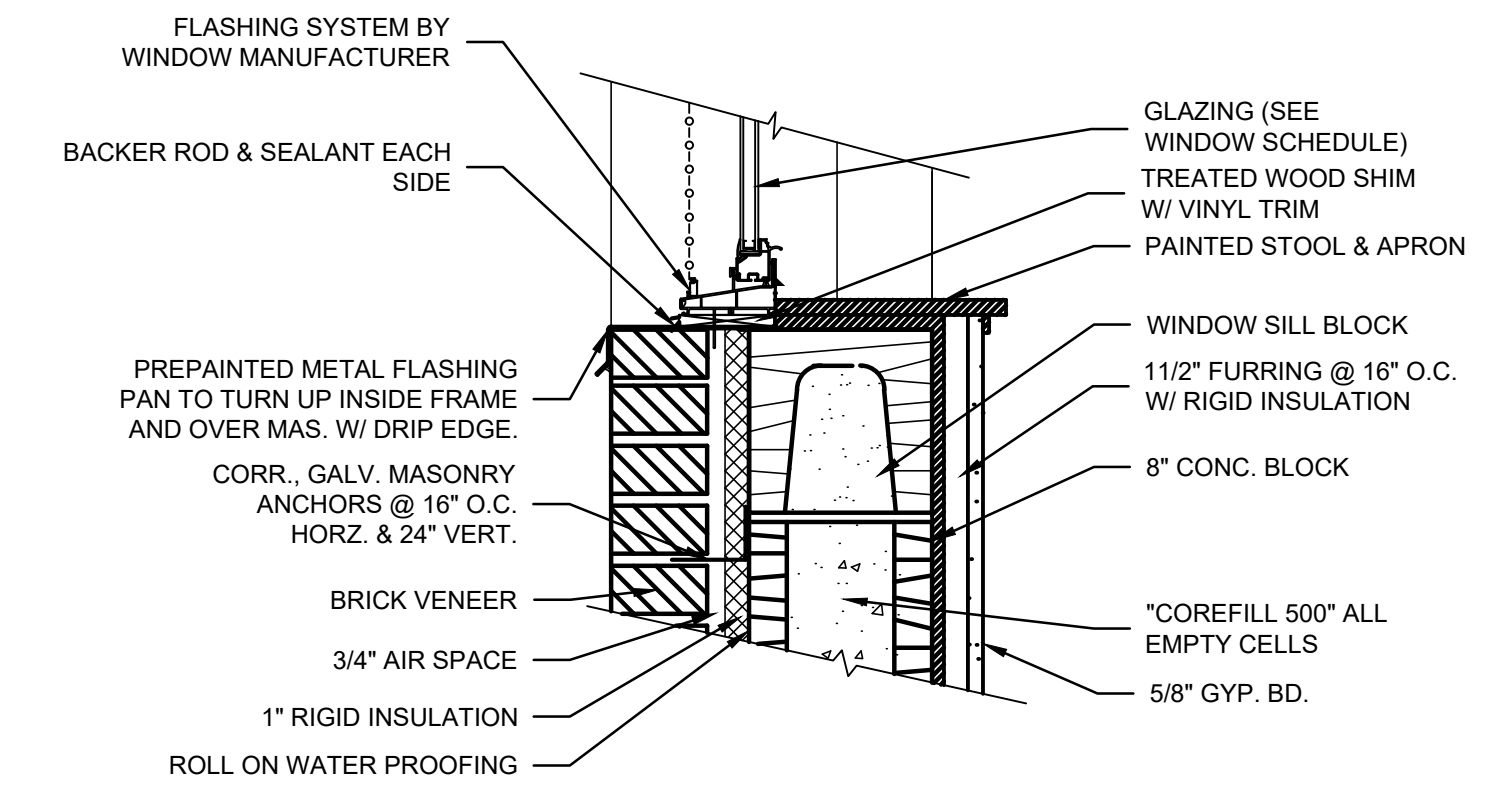
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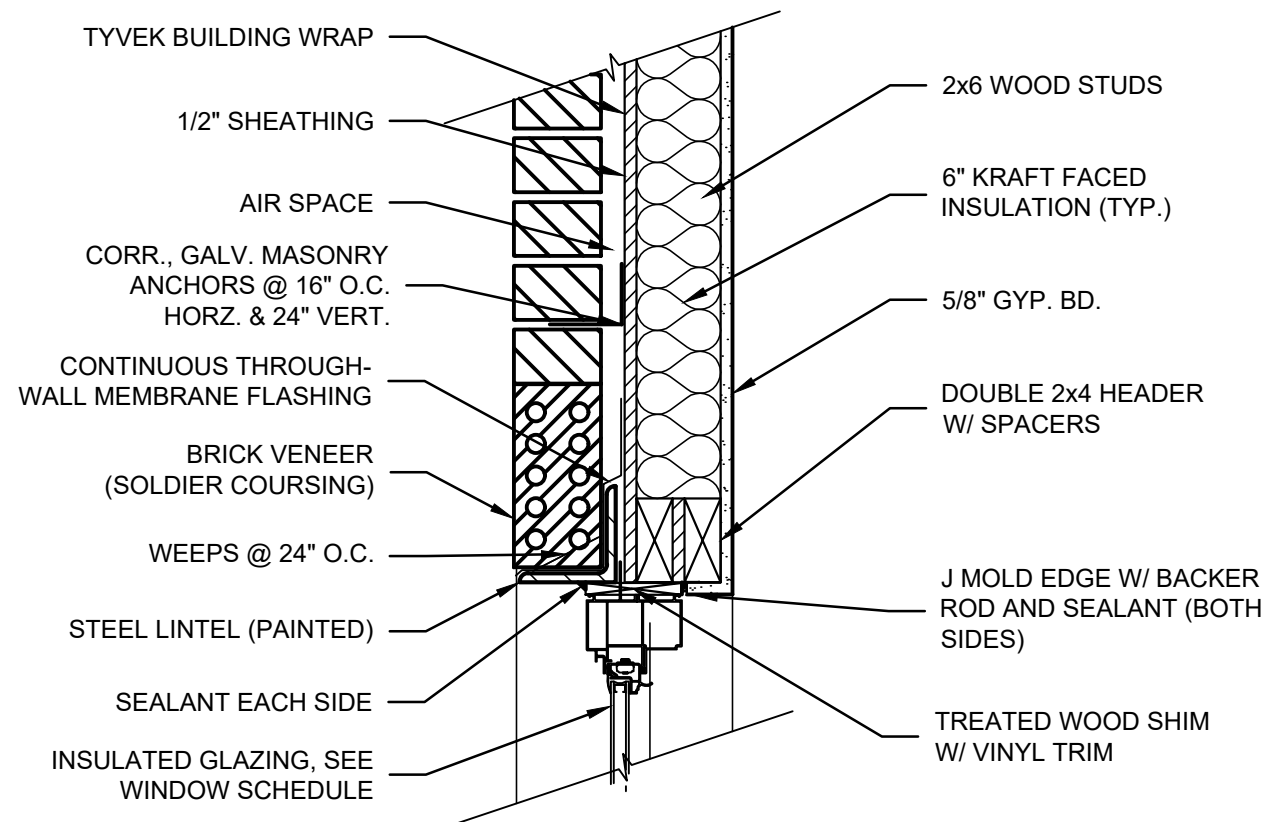
**01 VINYL WINDOW HEAD**  
SCALE: 1-1/2" = 1'-0"



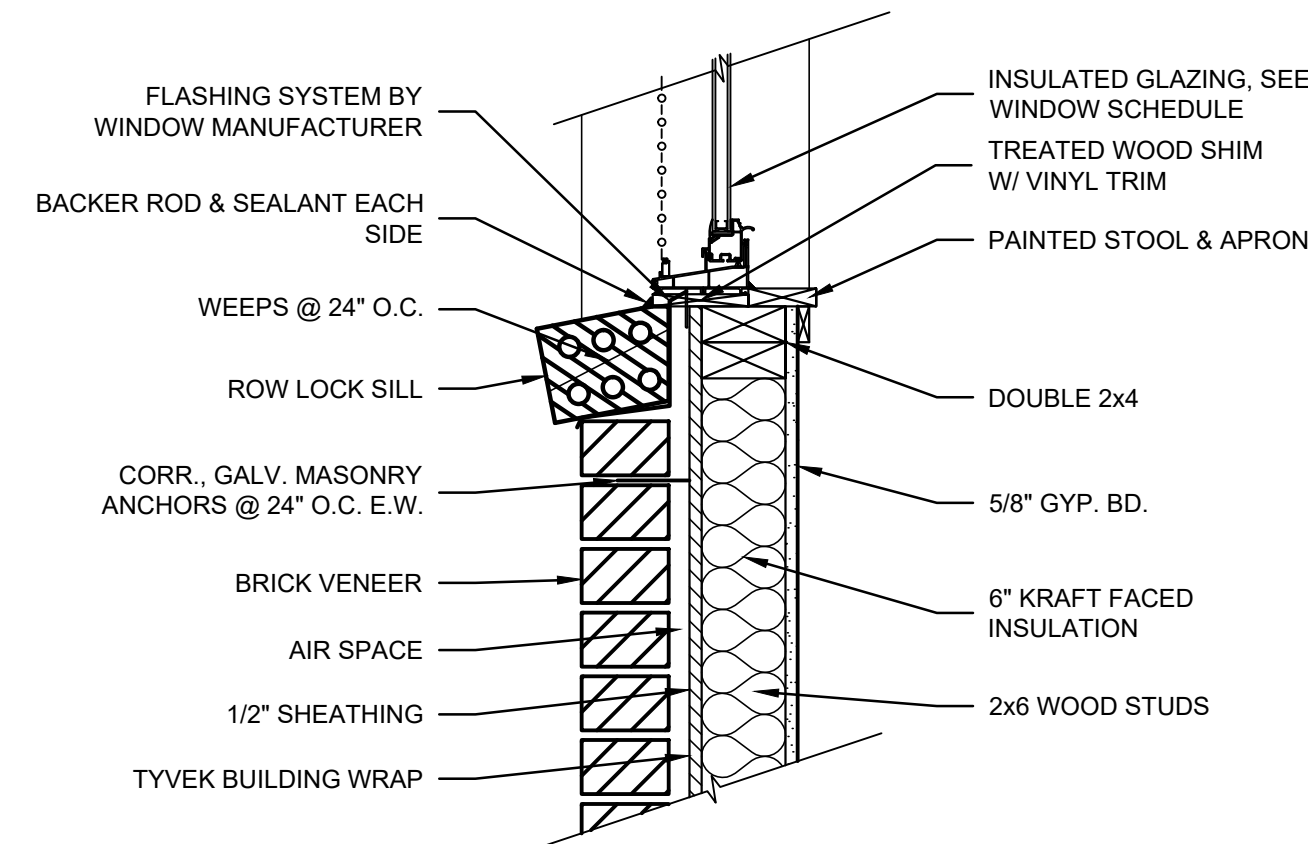
**02 VINYL WINDOW JAMB**  
SCALE: 1-1/2" = 1'-0"



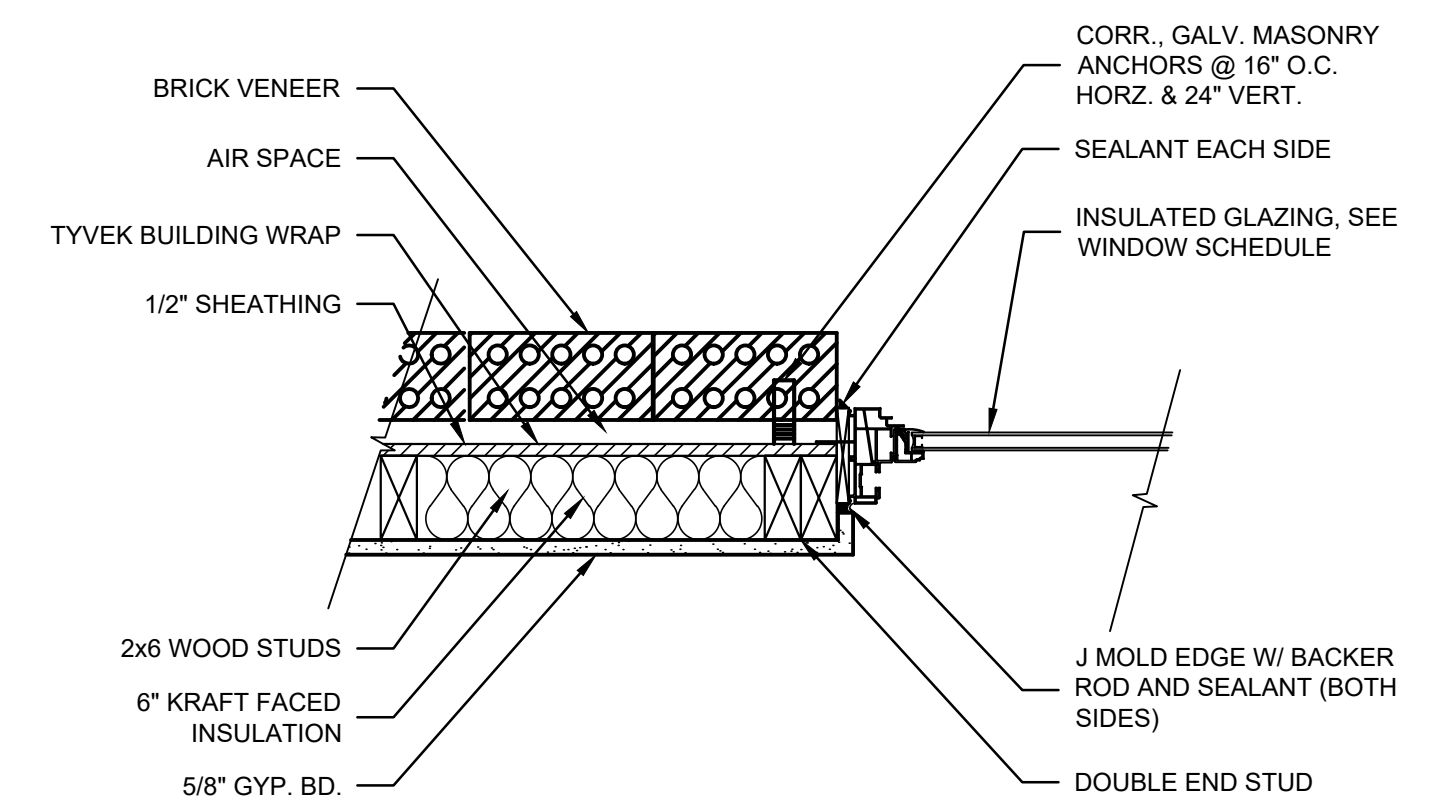
**03 VINYL WINDOW SILL**  
SCALE: 1-1/2" = 1'-0"



**04 VINYL WINDOW HEAD (IN BRICK)**  
SCALE: 1-1/2" = 1'-0"



**05 VINYL WINDOW SILL (IN BRICK)**  
SCALE: 1-1/2" = 1'-0"



**06 VINYL WINDOW JAMB (IN BRICK)**  
SCALE: 1-1/2" = 1'-0"

PROJECT: PLEASURE RIDGE PARK FIRE STATION 1 - FILE: A6.03 Window Details.dwg - DATE: Apr 21, 2021 2:28PM - BY: CAROLINA SOTO



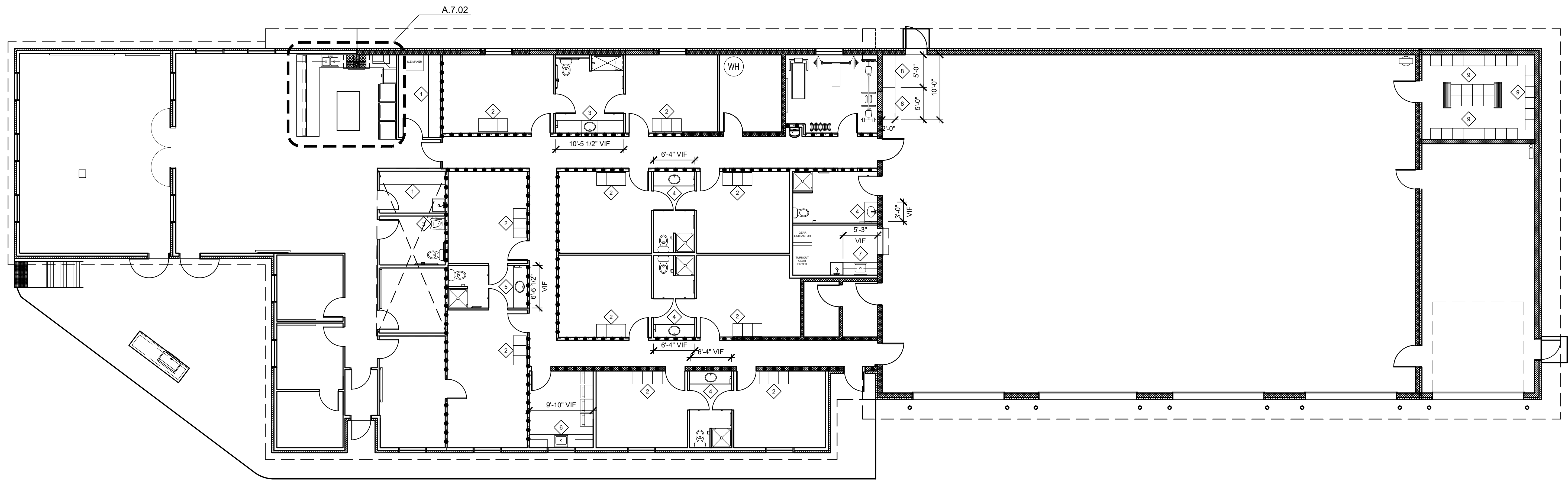
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RENOVATION FOR:  
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WINDOW DETAILS

**A6.03**



**01 OVERALL CABINETRY PLAN**  
SCALE: 1/8" = 1'-0"



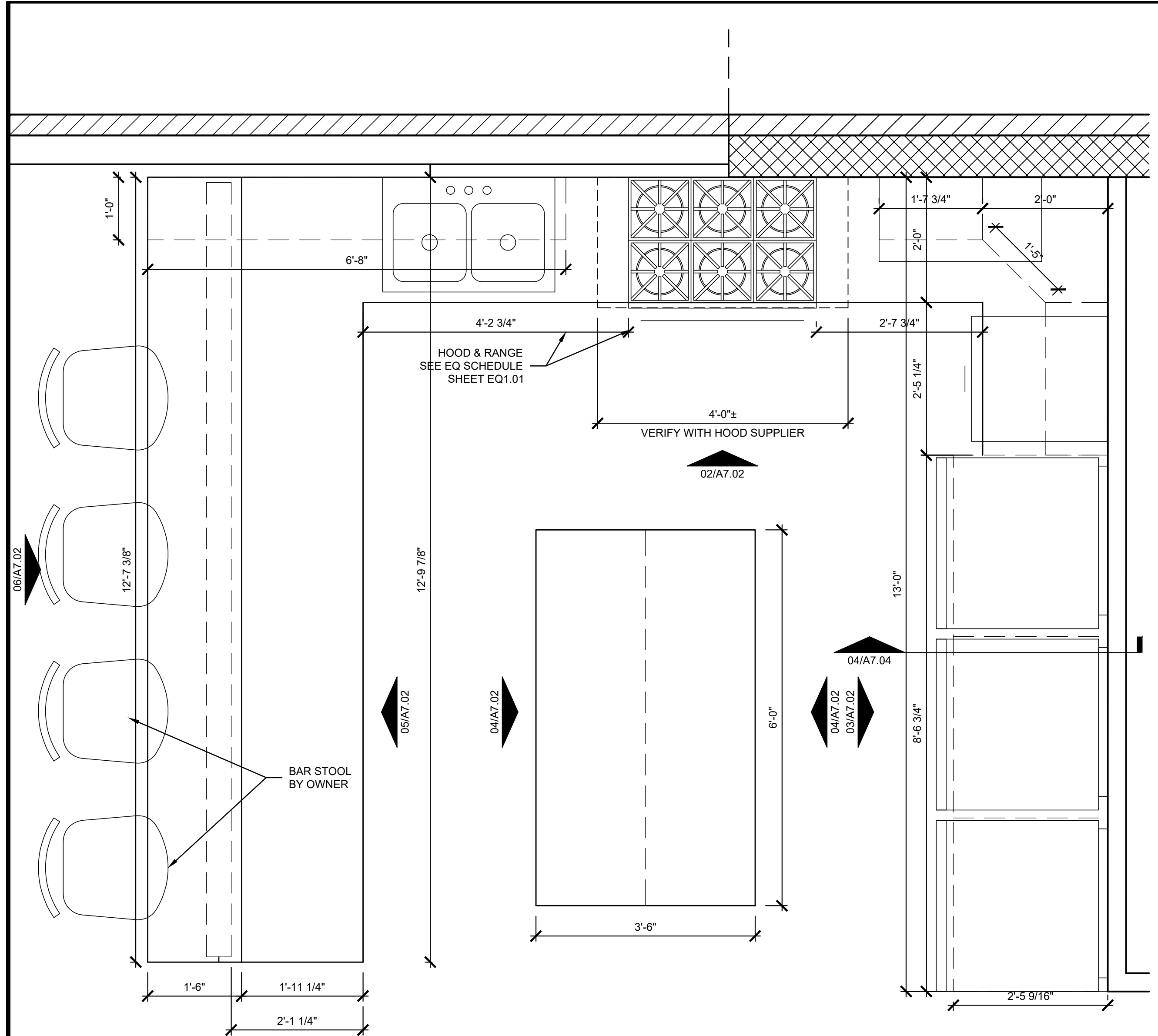
CASE WORK SCHEDULE	
1	SHELVING, SEE 01/A7.03
2	DORM LOCKERS SEE 02, 03/A7.03
3	VANITY TOP SEE 04/A7.03 & SPECIFICATIONS
4	VANITY TOP SEE 05/A7.03 & SPECIFICATIONS
5	VANITY TOP SEE 05/A7.03 & SPECIFICATIONS
6	CABINETS SEE 01/A7.05
7	CABINETS SEE 02/A7.05
8	WOOD WORK BENCH SEE 02/A7.04
9	GEAR GRID- SEE SPECIFICATIONS



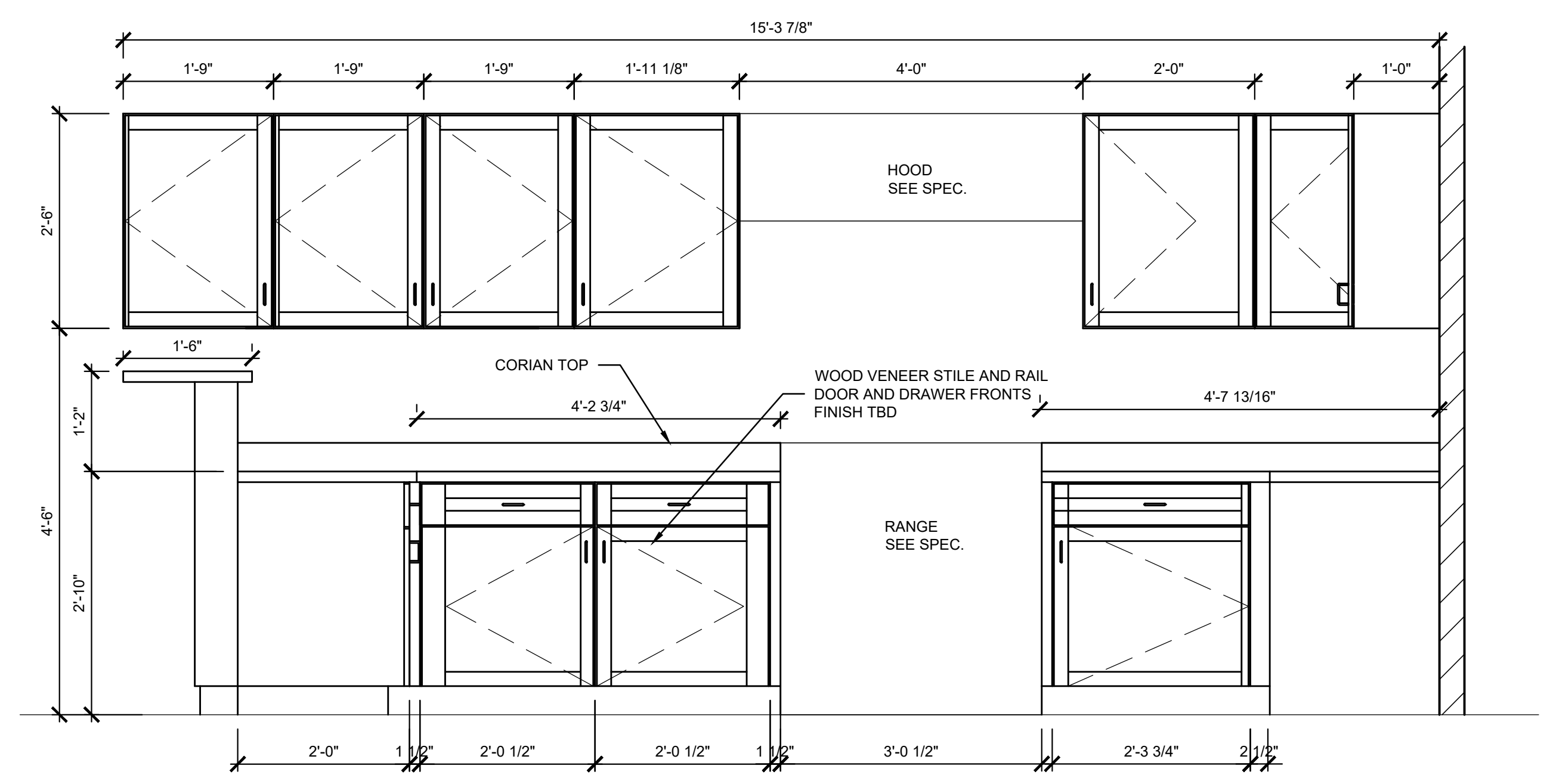
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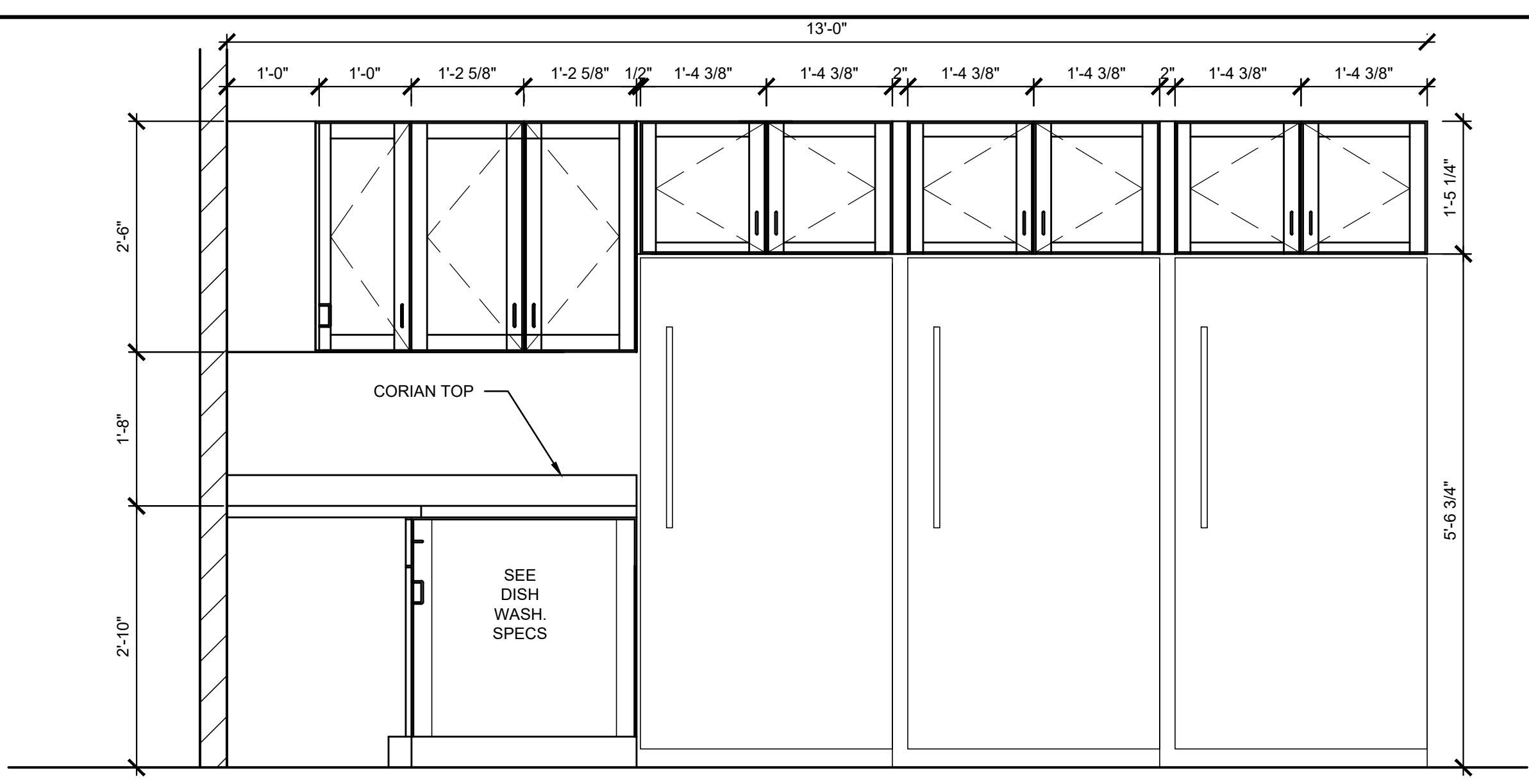
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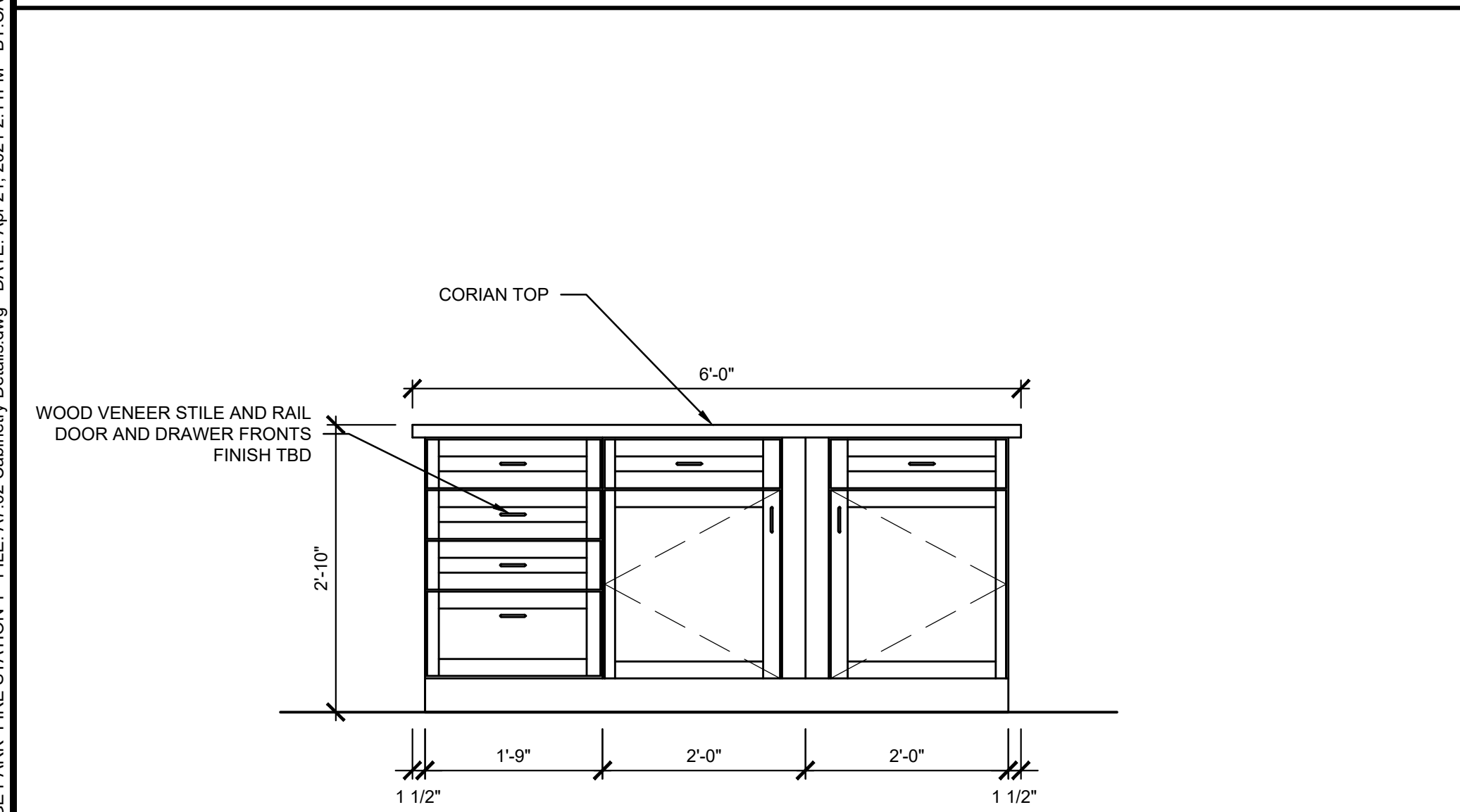
**01 ENLARGED KITCHEN PLAN**  
SCALE: 3/4" = 1'-0"



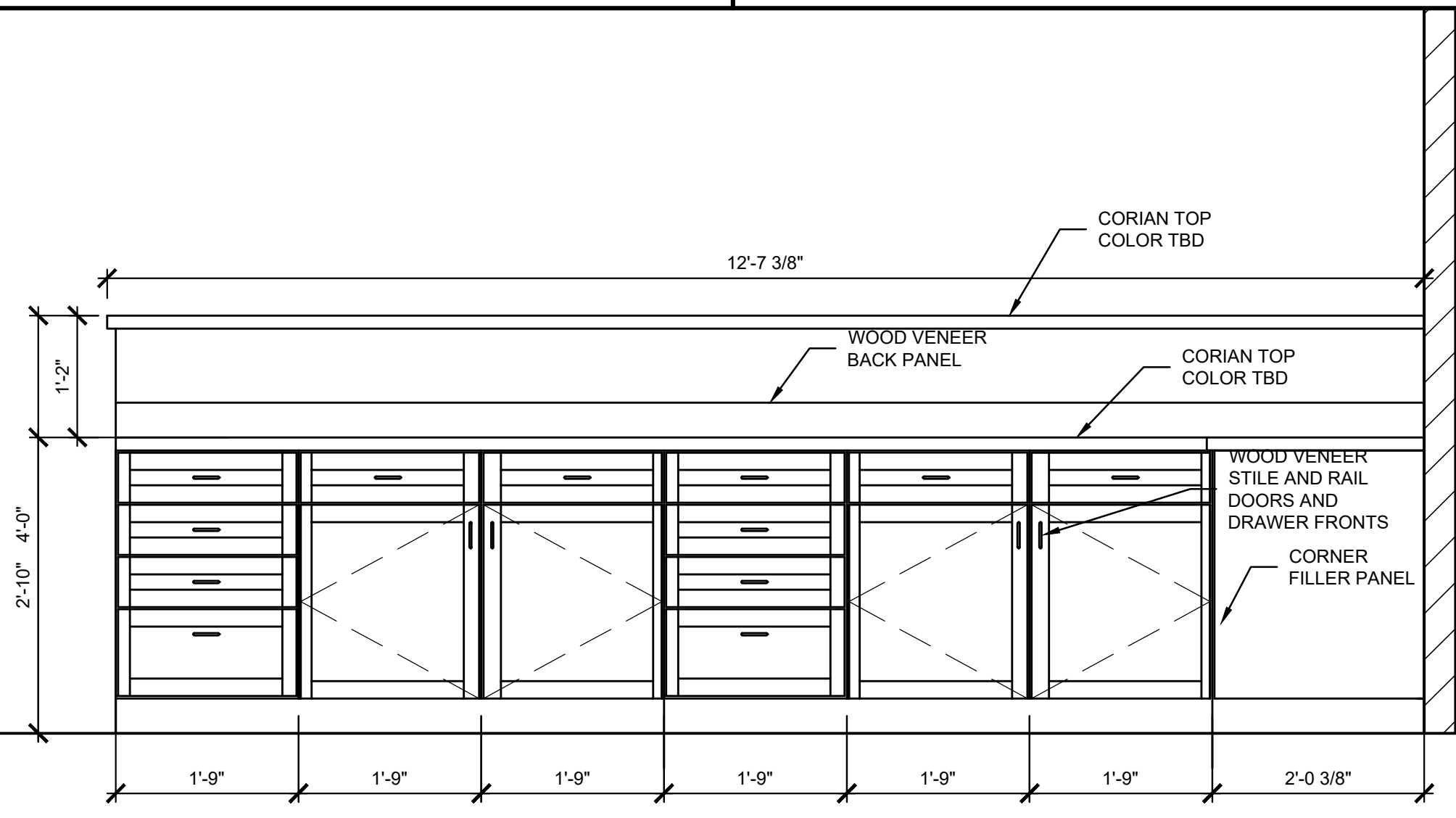
**02 KITCHEN ELEV.**  
SCALE: 3/4" = 1'-0"



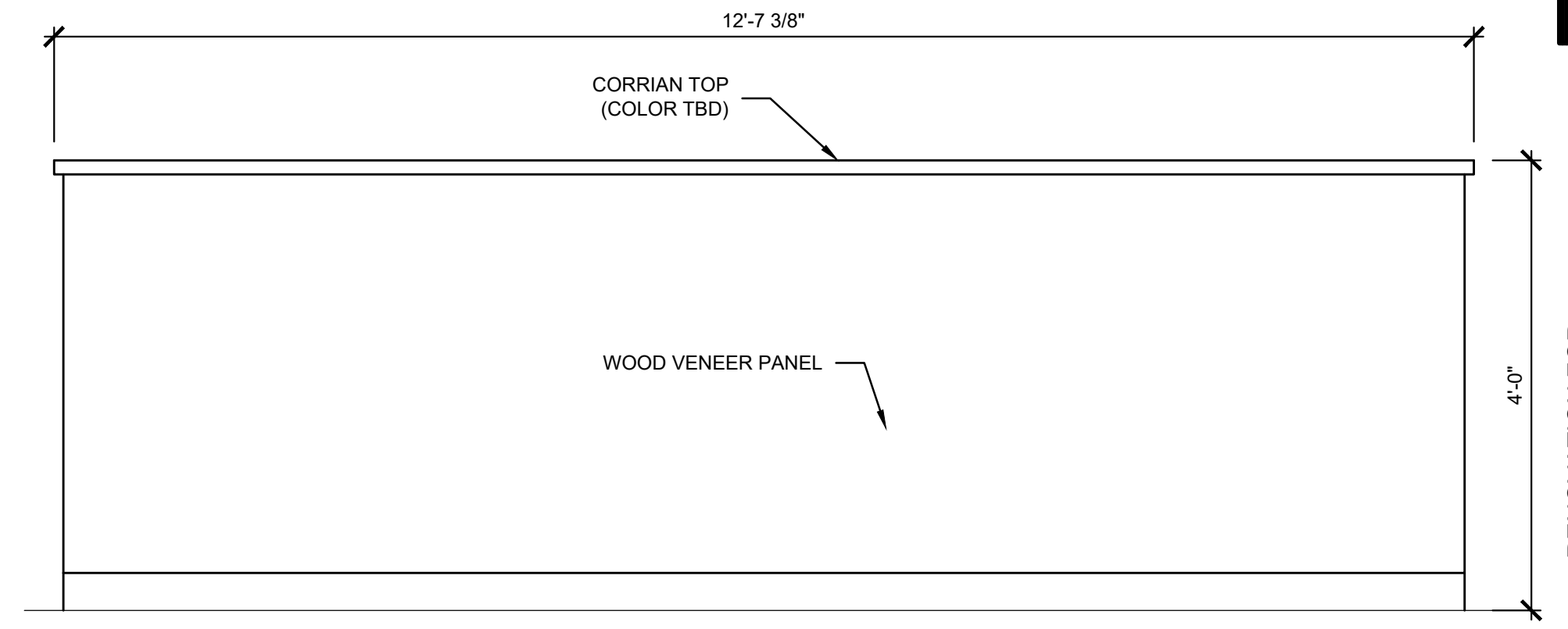
**03 KITCHEN ELEV.**  
SCALE: 3/4" = 1'-0"



**04 ISLAND ELEVATION**  
SCALE: 3/4" = 1'-0"



**05 BAR TOP**  
SCALE: 3/4" = 1'-0"



**06 BAR TOP/ISLAND ELEV.**  
SCALE: 3/4" = 1'-0"

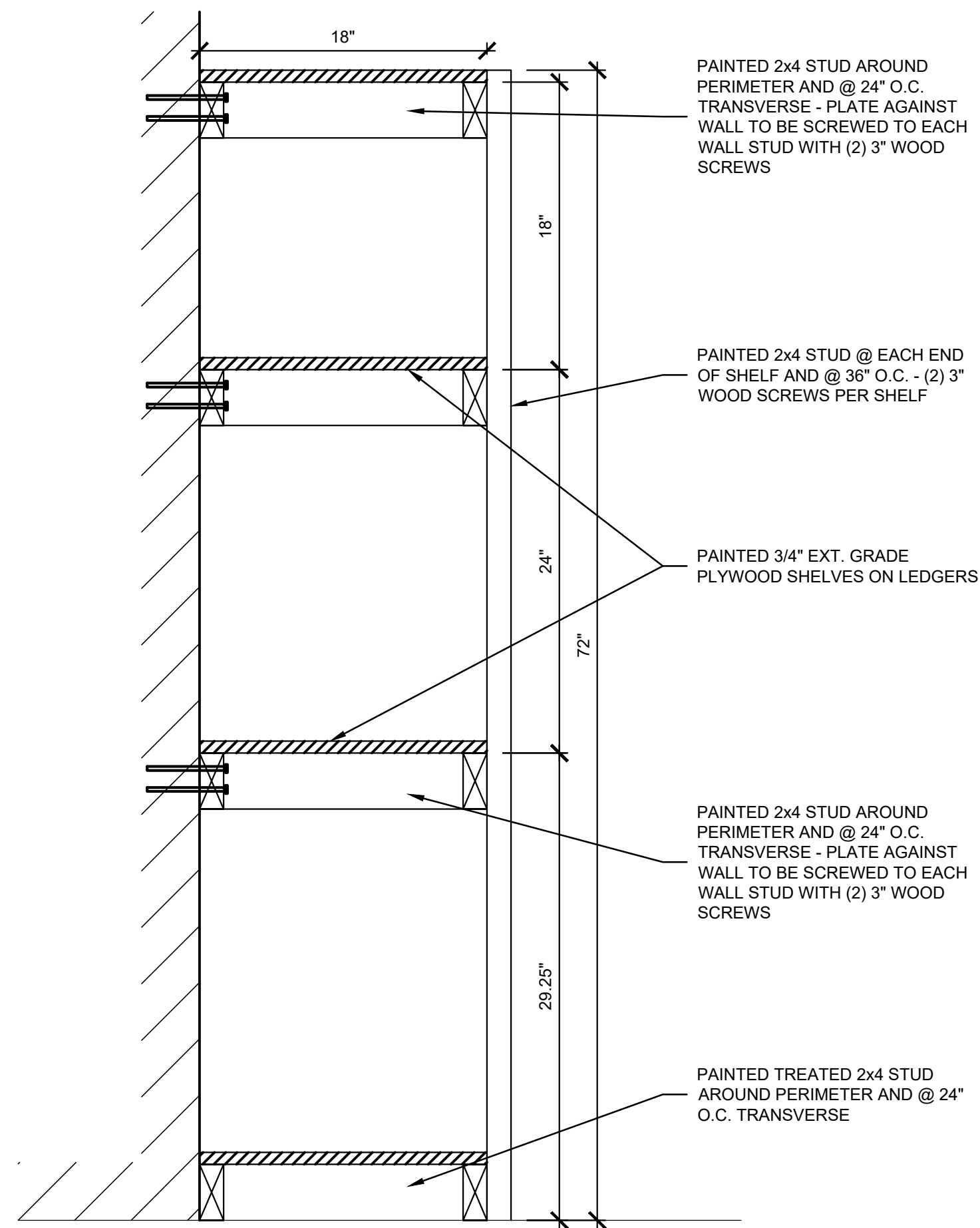


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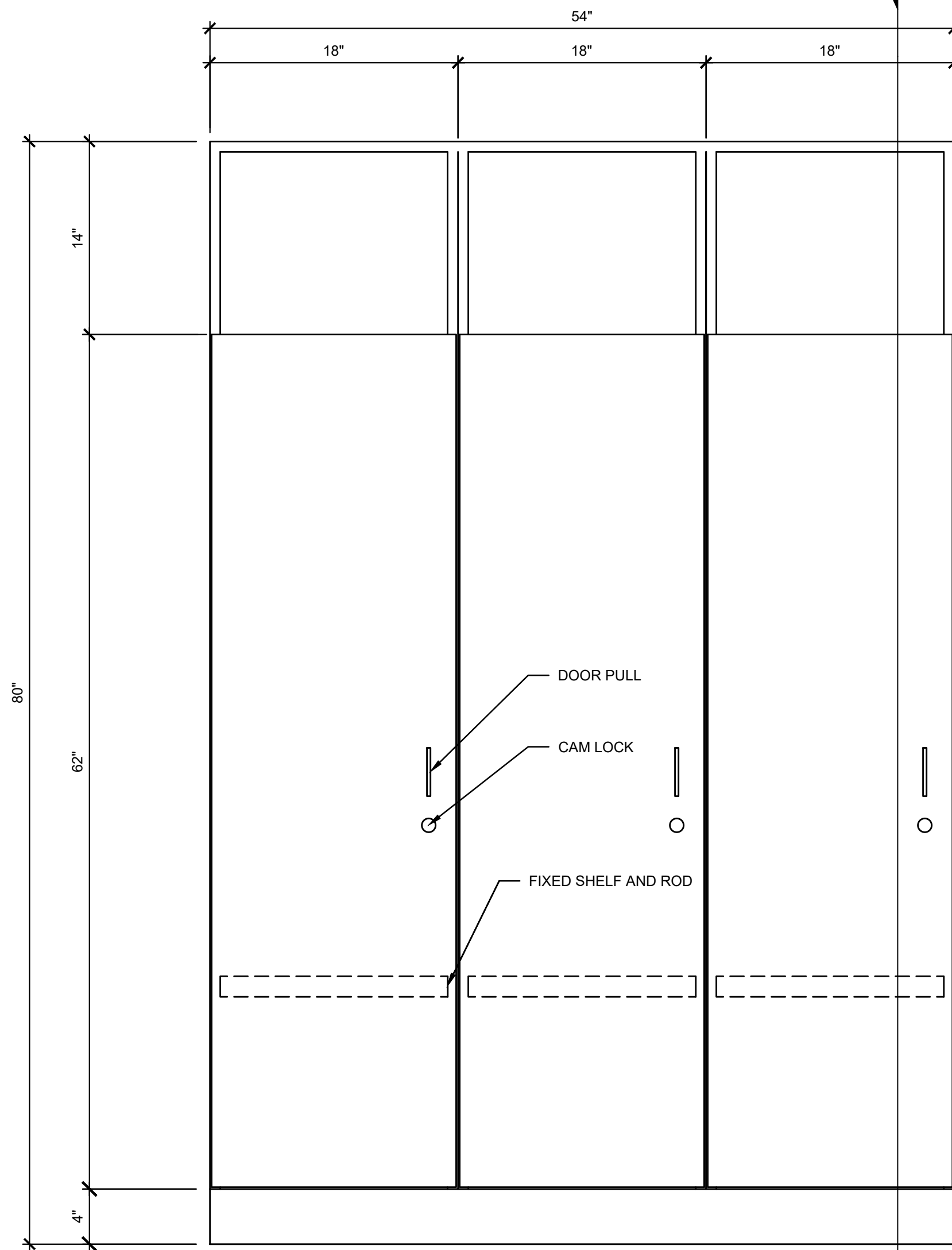
RENOVATION FOR:  
**PLEASURE RIDGE PARK  
FIRE STATION 1**  
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PROJECT: PLEASURE RIDGE PARK FIRE STATION 1 - FILE: A7.02 Cabinetry Details.dwg - DATE: Apr 21, 2021 2:11PM - BY: CAROLINA SOTO

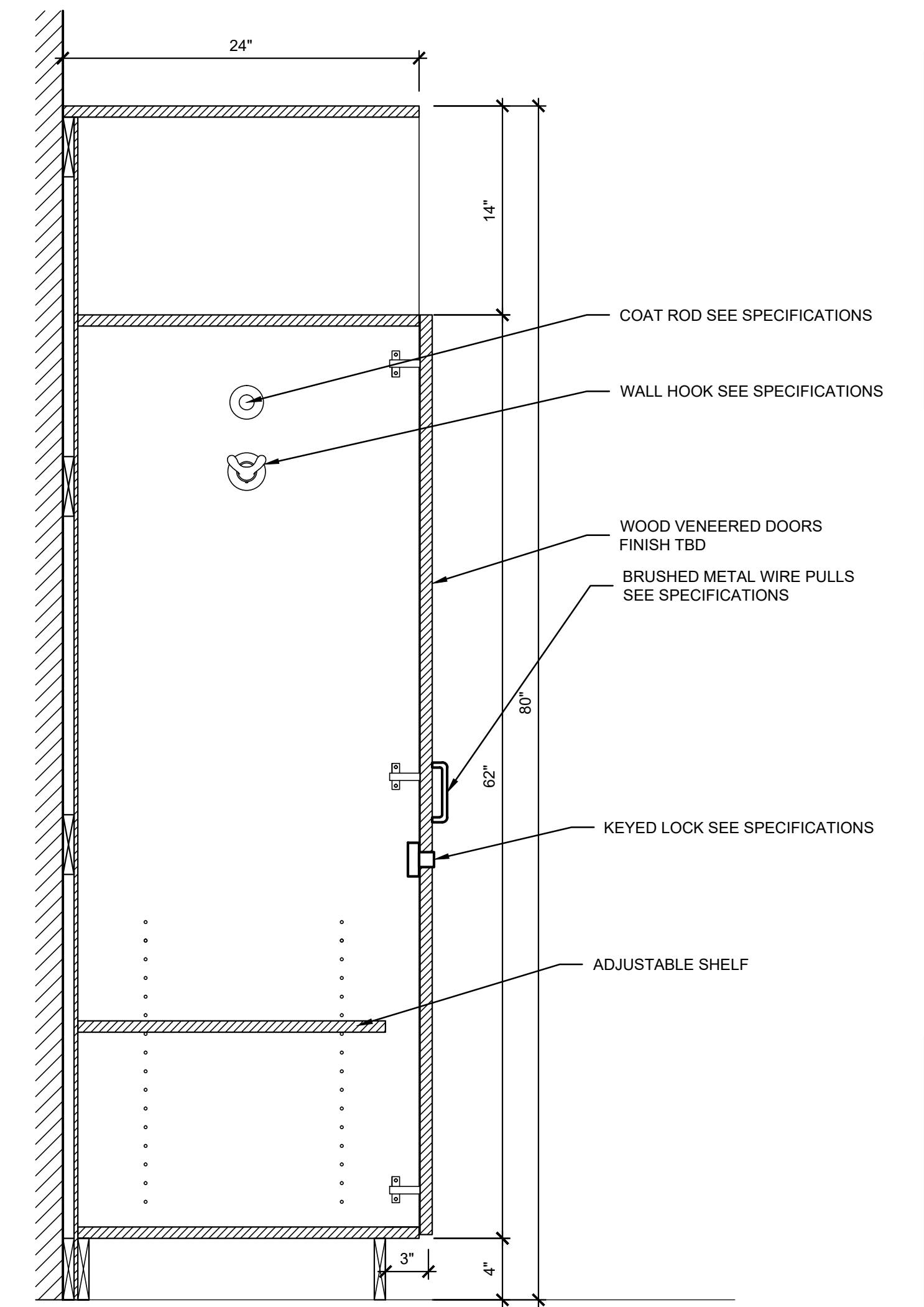
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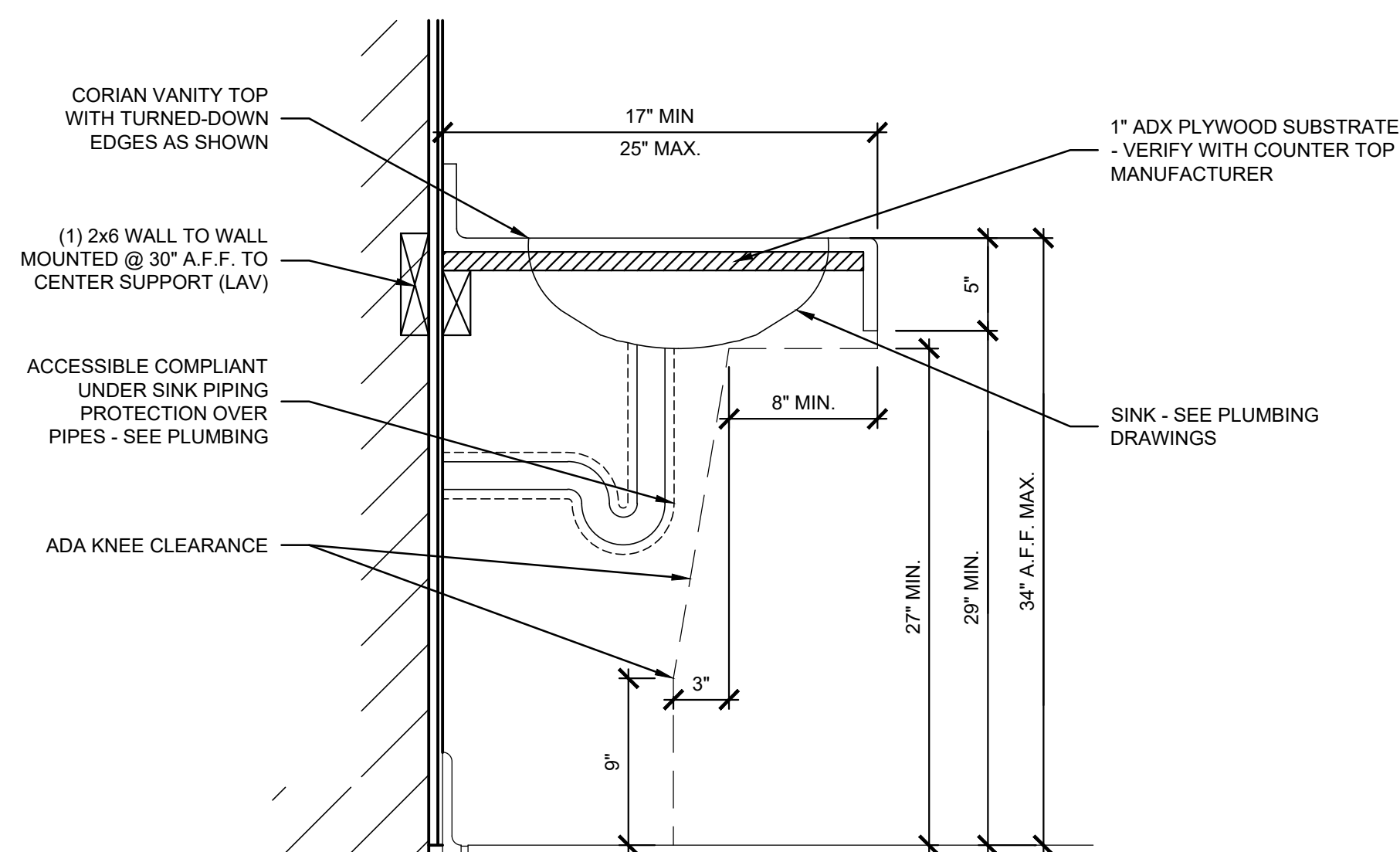
**01 SHELVING SECTION**  
SCALE: 1-1/2" = 1'-0"



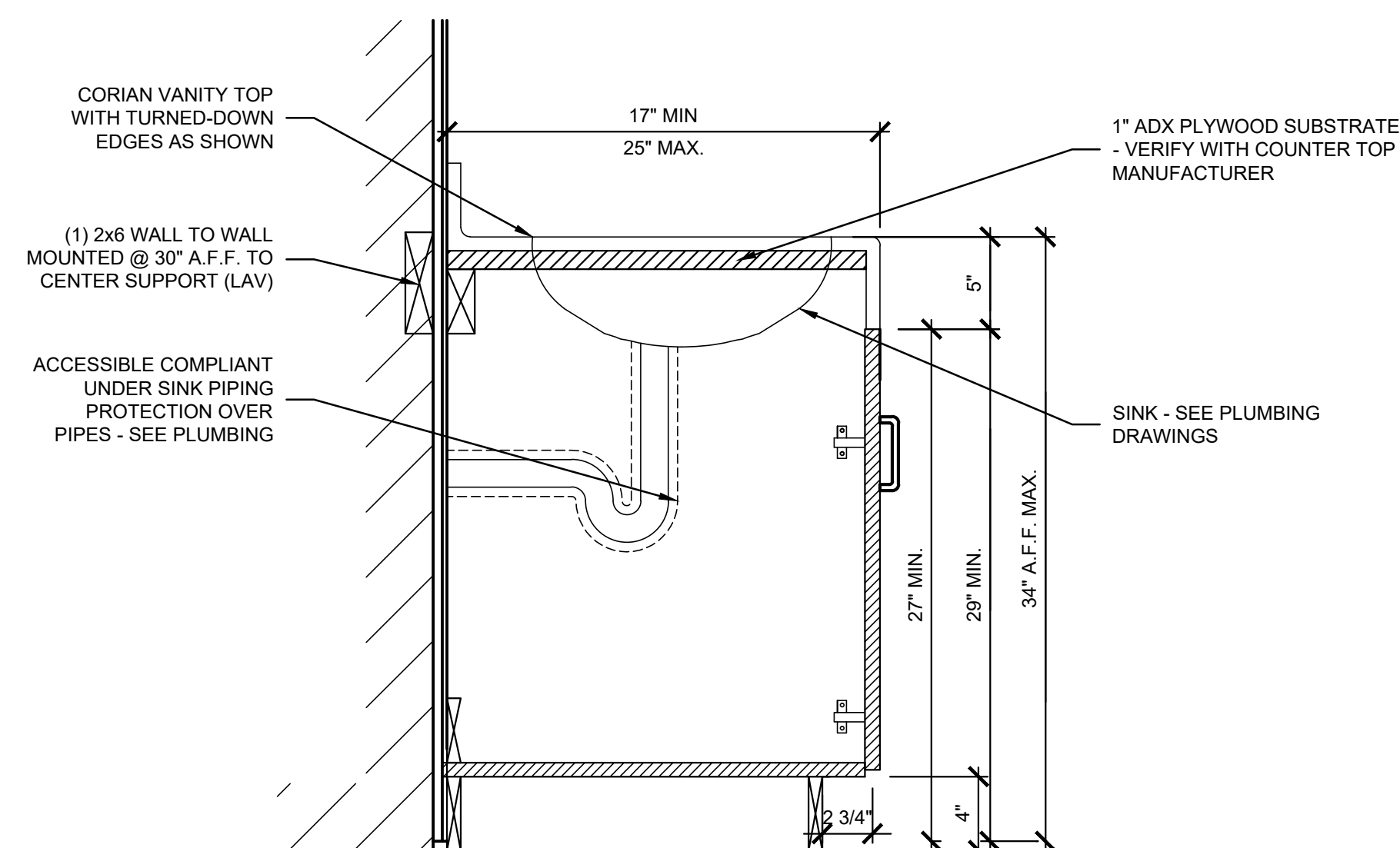
**02 DORM ROOM LOCKERS**  
SCALE: 1" = 1'-0"



**03 DORM LOCKER ELEVATION**  
SCALE: 1-1/2" = 1'-0"



**04 ADA SINK SECTION**  
SCALE: 1-1/2" = 1'-0"



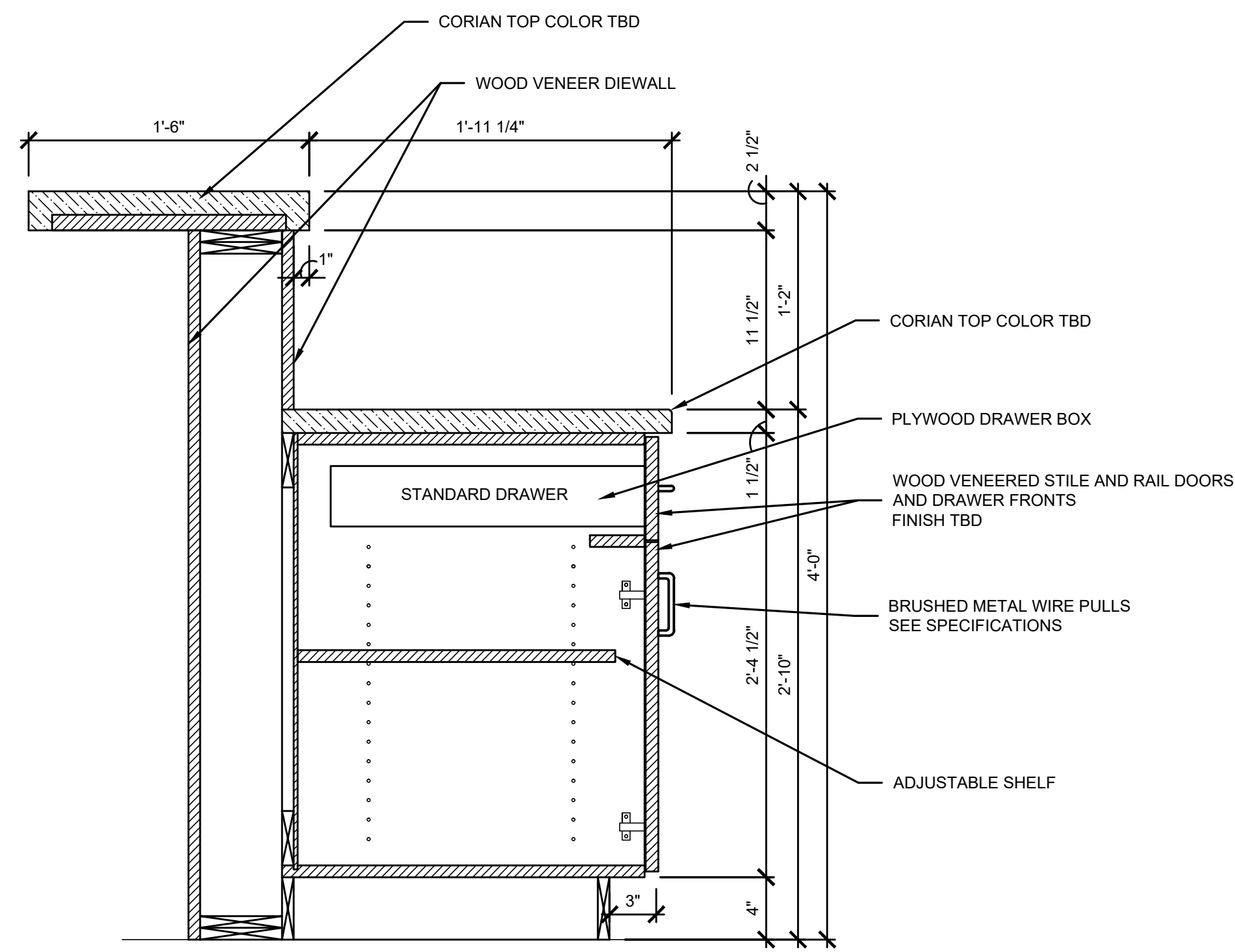
**05 SINK SECTION**  
SCALE: 1-1/2" = 1'-0"



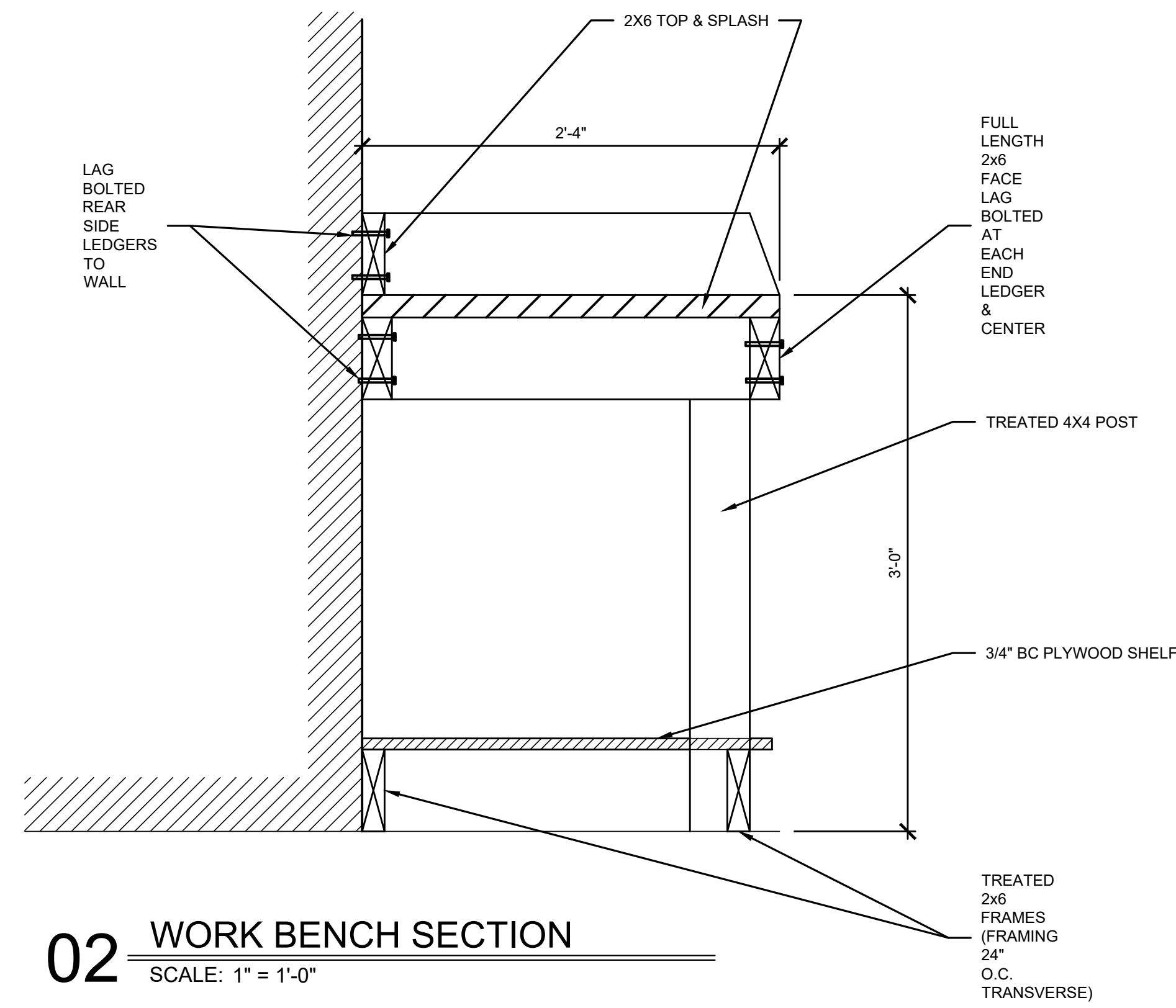
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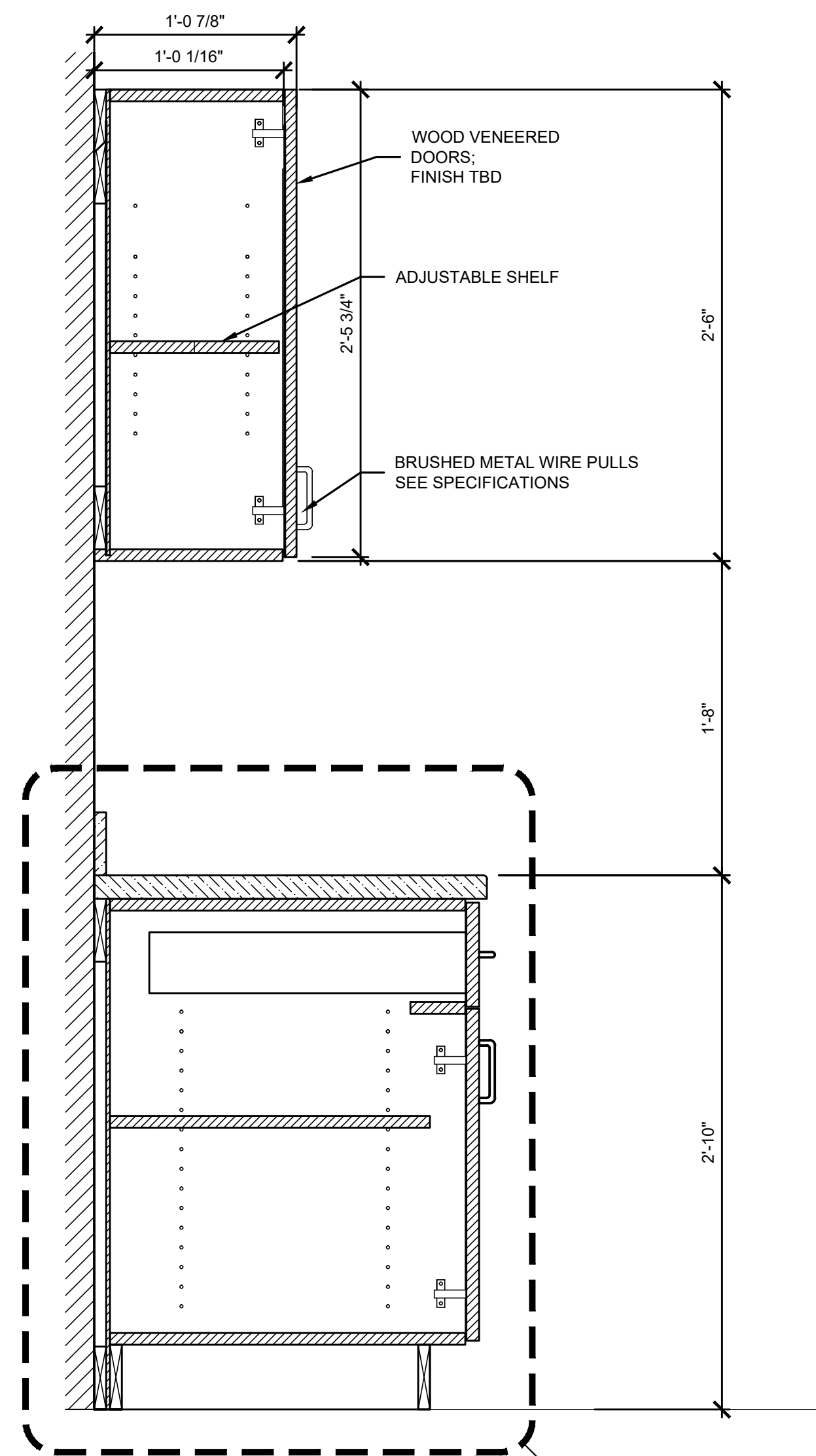




**01 BAR TOP ISLAND SECTION**  
SCALE: 1-1/2" = 1'-0"

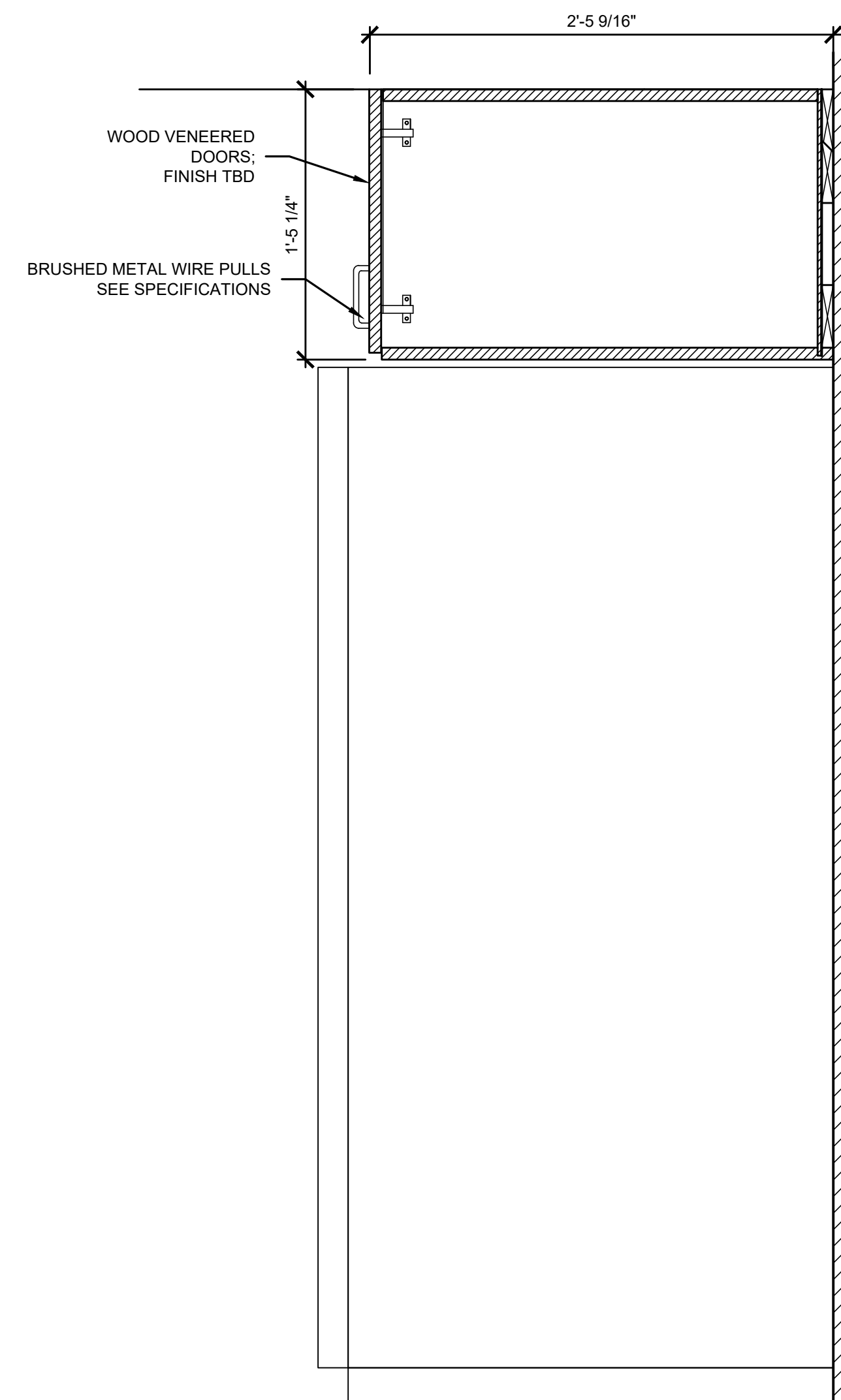


**02 WORK BENCH SECTION**  
SCALE: 1" = 1'-0"



**03 TYP. CABINET SECTION**  
SCALE: 1-1/2" = 1'-0"

03,04/A.7.04

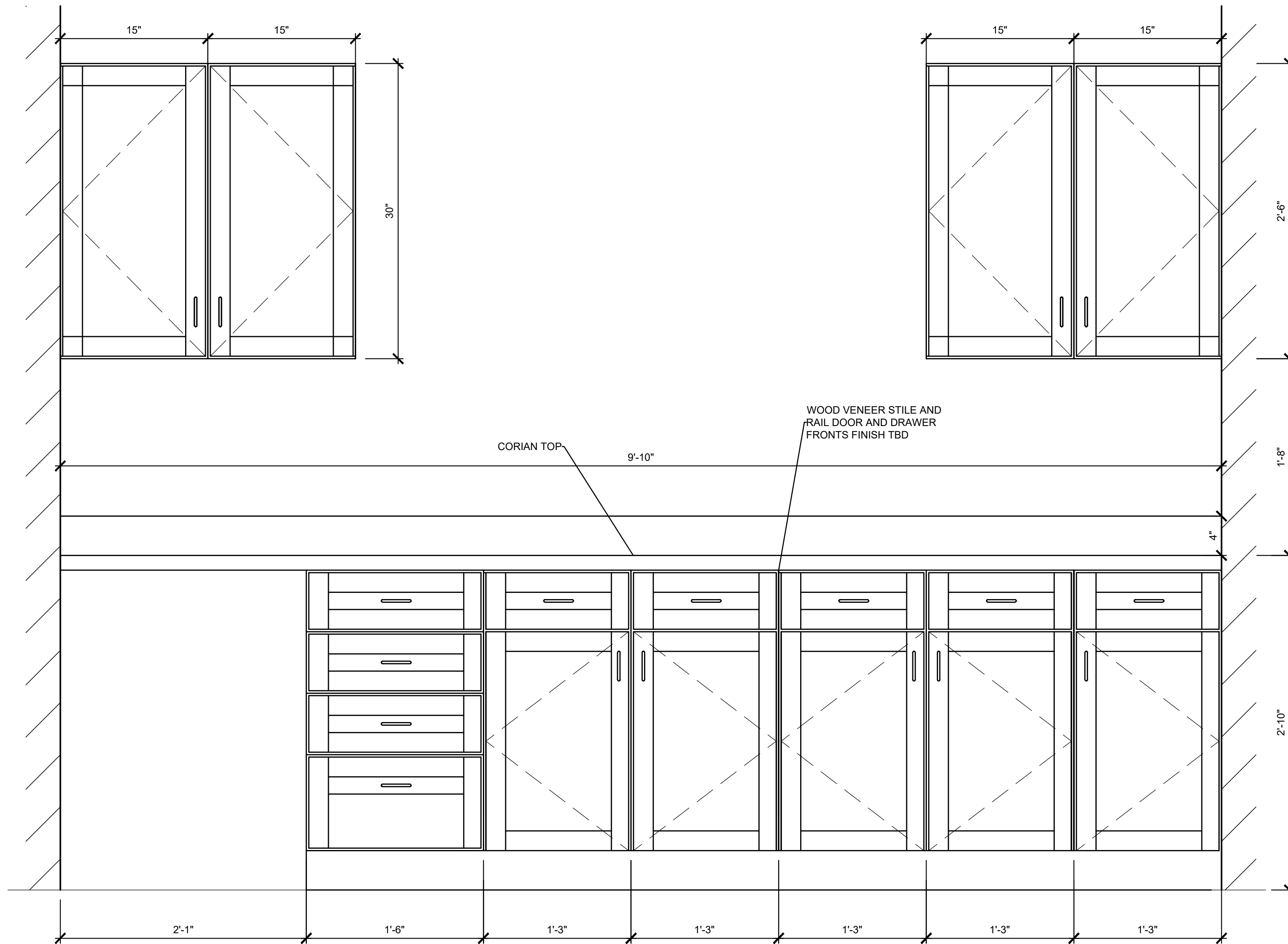


**04 REFRIGERATOR SECTION**  
SCALE: 1-1/2" = 1'-0"

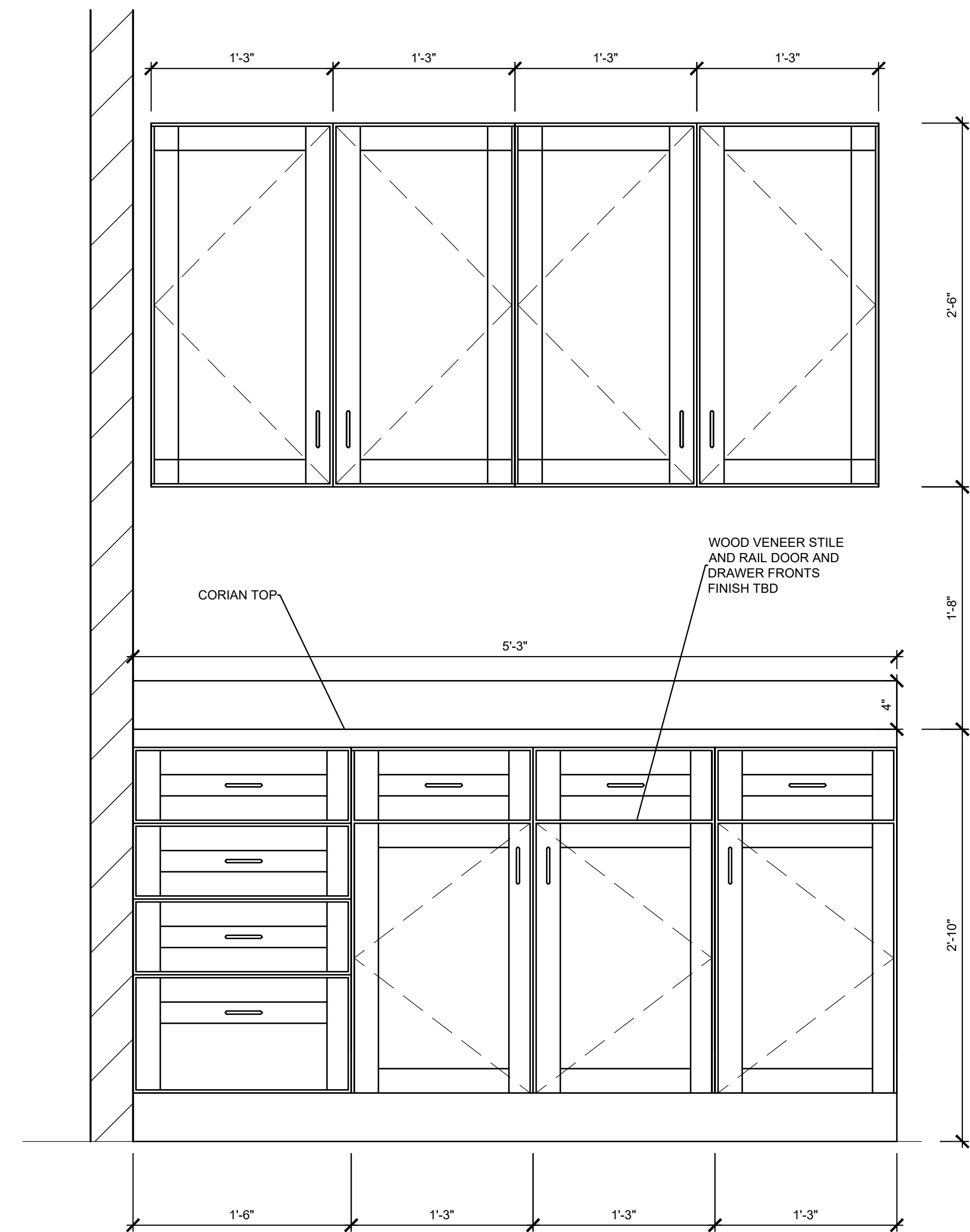


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FIRE STATION 1**  
4500 KERRICK LN.  
LOUISVILLE, KY 40258



**01** LAUNDRY ELEVATION  
SCALE: 1-1/2" = 1'-0"

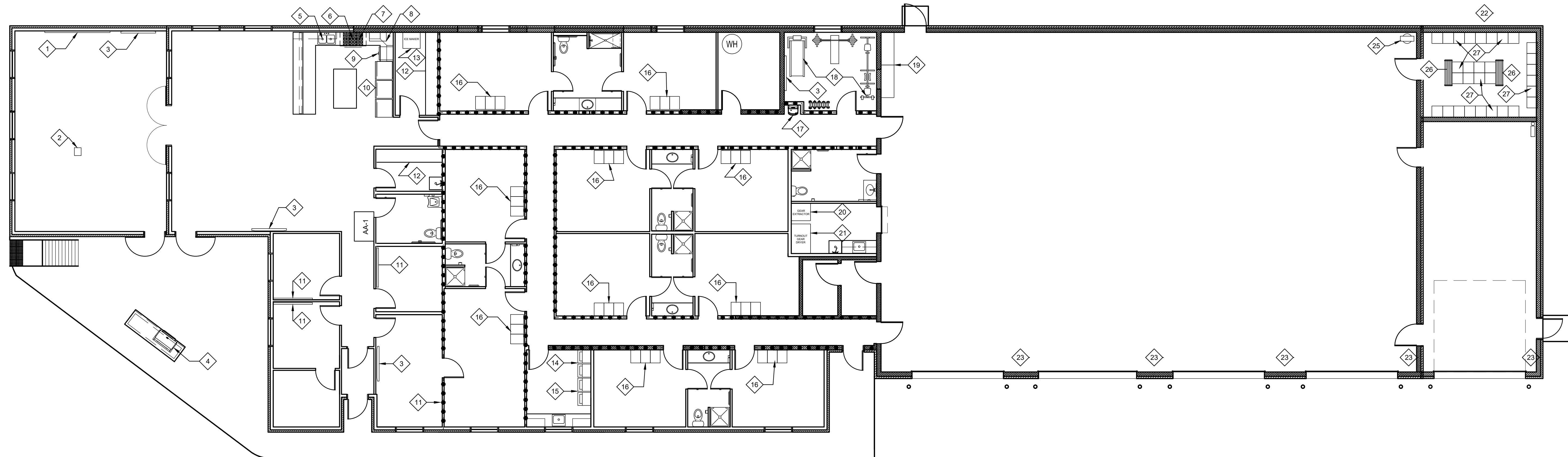


**02** GEAR CLEANING ELEVATION  
SCALE: 1-1/2" = 1'-0"



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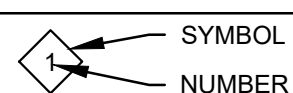


**01** EQUIPMENT PLAN  
SCALE: 1/8" = 1'-0"

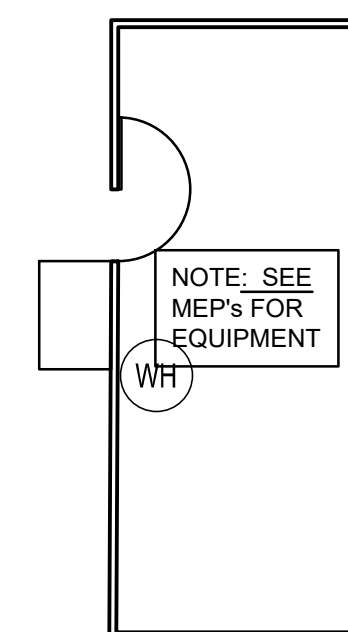


**EQUIPMENT SCHEDULE**

ITEM NO.	QTY.	DESCRIPTION	RESPONSIBILITY			REMARK		
			FURN BY	INST. BY				
			MC	PC	EC			
1	1	WHITE BOARD - ALTERNATE #1	GC	GC	-	-	-	WALL MOUNT WHITE BOARD (120" X 48")
2	1	PROJECTOR - ALTERNATE #1	O	O	-	-	X	OWNER TO INSTALL, ELEC. CONTRACTOR TO COORDINATE POWER
3	4	TV	O	O	-	-	X	ELECT. CONTRACTOR TO COORDINATE POWER
4	1	GRILL	O	O	-	X	-	WEBER SPIRIT S-315 NATURAL GAS GRILL
5	1	GARBAGE DISPOSAL	GC	GC	-	X	X	INSINKERATOR BADGER 15SS MODEL
6	1	COMMERCIAL RANGE	GC	GC	-	X	-	LG CAFE SERIES MODEL CGY366P2MS1
7	1	CAPTIVE - AIRE HOOD SYSTEM	GC	GC	X	X	X	ACUREX MODEL XRRS
8	1	MICROWAVE - COUNTER	GC	GC	-	-	X	GE CAFE APPLIANCES MODEL CEB515P2NSS
9	1	COMMERCIAL DISHWASHER	GC	GC	-	X	X	DISHSTAR HT JACKSON WAREWASHING SYSTEMS
10	3	REFRIGERATORS TOP-FREEZER	O	GC	-	X	X	WHIRLPOOL MODEL WRT311FZDW
11	4	WHITEBOARD	GC	GC	-	-	-	WALL MOUNT WHITE BOARD (36"X48")
12	2	SHELVING	GC	GC	-	-	-	SEE DETAIL 01/A7.03
13	1	ICE MACHINE & ICE BIN	O	GC	X	X	X	MAINTAIN, CLEAN AND RELOCATE EXISTING
14	2	WASHING MACHINE TOP LOAD	O	O	-	X	X	AMANA TOP-LOAD MODEL NTW4518FW
15	2	DRYER FRONT LOAD	O	O	-	X	X	AMANA ELECTRIC DRYER MODEL NED4655EW
16	30	DORM LOCKERS	GC	GC	-	-	-	SEE- 02 & 03/A7.03
17	1	BOTTLE FILLING STATION WITH SINGLE ADA COOLER	GC	GC	-	X	X	ELKAY MODEL LZS8WSLK
18	-	FITNESS EQUIPMENT	O	O	-	-	X	OWNER TO INSTALL, ELEC. CONTRACTOR TO COORDINATE POWER (6 OUTLETS)
19	2	WORK BENCH	GC	GC	-	-	-	NEW WORK BENCH 48" SEE 05/A7.04
20	1	EXTRACTOR WASHING MACHINE	GC	GC	X	X	X	UNIMAC EXTRACTOR MODEL UWT065D40L
21	2	COMMERCIAL DRYER	GC	GC	X	X	X	UNIMAC COMMERCIAL GAS DRYER MODEL UT075NDN0NXA
22	1	GENERATOR	GC	GC	X	X	X	GENERAC- INDUSTRIAL POWER- MODEL SG100 9.0L 100 KW INDUSTRIAL PARK- IGNITED GENERATOR SET, TX301 SERIES TRANSFER SWITCH .
23	5	POWER LINE DROP	GC	GC	-	-	X	1 DROP TO BE INSTALLED IN EACH APPARATUS BAY
24	-	AIR LINE DROP	GC	GC	X	X	X	SEE MECHANICAL PLAN
25	1	AIR COMPRESSOR	GC	GC	X	X	X	INGERSOLL RAND SINGLE -STAGE PORTABLE ELECTRIC AIR COMPRESSOR-2HP,20 GALLON, 5.5 CFM, GARAGE GATE MODEL #P1.5IU-A9
26	2	GEAR ROOM BENCH	GC	GC	-	-	-	GEAR GRID FIRE BENCH SYSTEM
27	30	GEAR GRID LOCKERS	GC	GC	-	-	-	WALL MOUNT GEAR LOCKERS 20" X 72"



ABBREVIATION KEY	
O	- OWNER
GC	- GENERAL CONTRACTOR
MC	- MECHANICAL CONTRACTOR
PC	- PLUMBING CONTRACTOR
EC	- ELECTRICAL CONTRACTOR



**02** MEZZANINE PLAN  
SCALE: 1/8" = 1'-0"

PROJECT: PLEASURE RIDGE PARK FIRE STATION 1 - FILE: EQ1.01 Equipment Plan.dwg - DATE: Apr 21, 2021 2:13PM - BY: CAROLINA SOTO



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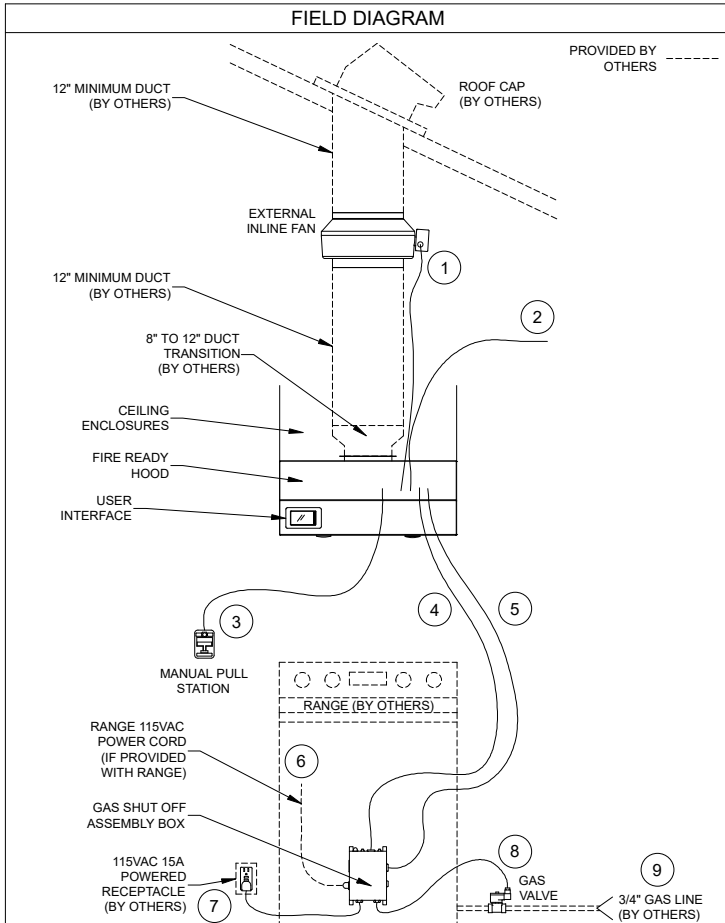
RENOVATION FOR:  
**PLEASURE RIDGE PARK  
FIRE STATION 1**  
4500 KERRICK LN.  
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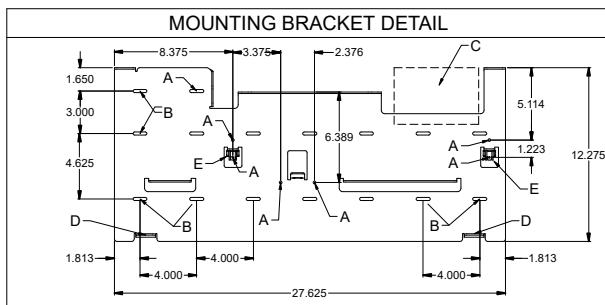
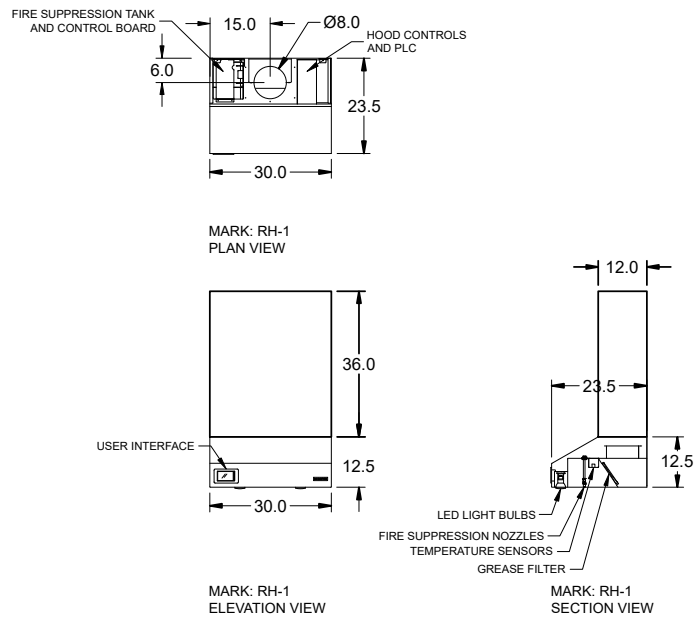
HOOD INFORMATION															
QTY.	MARK	MODEL	CONFIGURATION	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	EXHAUST				VENTILATION INFORMATION		TOTAL WEIGHT (LBS.)	
				LENGTH	WIDTH	HEIGHT		CFM	INLET SOUND SONES	DBA	COLLAR DIA. (IN.)	S.P.	VENTILATION STYLE		FAN TYPE
1	RH-1	XRRS	WALL	30	TOP 12.0 BOT 23.5	FRT 6.00 BCK 12.5	300 SERIES SS WHERE EXPOSED	500	3.7	46.86	8	0.56	EXTERNAL FAN - TOP DISCHARGE	INLINE	86

HOOD INFORMATION														
QTY.	MARK	HOOD AND FAN POWER				DISCONNECTS FOR APPLIANCE				LIGHTING DETAILS		USER INTERFACE		
		VOLT	PHASE	BREAKER SIZE (AMPS)	OPERATING CURRENT (AMPS)	RECPT.	VOLT	PHASE	MAX AMPS	GAS VALVE SIZE (IN.)	FIXTURE TYPE BULB / LAMP INFO	QTY	TYPE	LOCATION
1	RH-1	115	1	15	1.7	5-15	115	1	15	3/4	115VAC 7WATT E26 LED 2200-2700K COLOR	2	FULL COLOR, LCD TOUCH SCREEN	HOOD MOUNTED

**HOOD OPTIONS/ACCESSORIES**  
 LISTED TO UL SUBJECT 300A  
 SELF-CONTAINED FIRE SUPPRESSION SYSTEM  
 ELECTRONIC DETECTION  
 FULLY PLUG AND PLAY DESIGN  
 NSF APPROVED SEALANT  
 AUTOMATIC RANGE DEACTIVATION AND PASSWORD PROTECTION  
 MANUAL PULL STATION  
 36 IN HIGH CEILING ENCLOSURES FRONT LEFT RIGHT - FIELD INSTALLED  
 FIRE SYSTEM PERMIT, STARTUP AND PUFF TEST  
 FIRE TEST KIT  
 NFPA 101 COMPLIANT

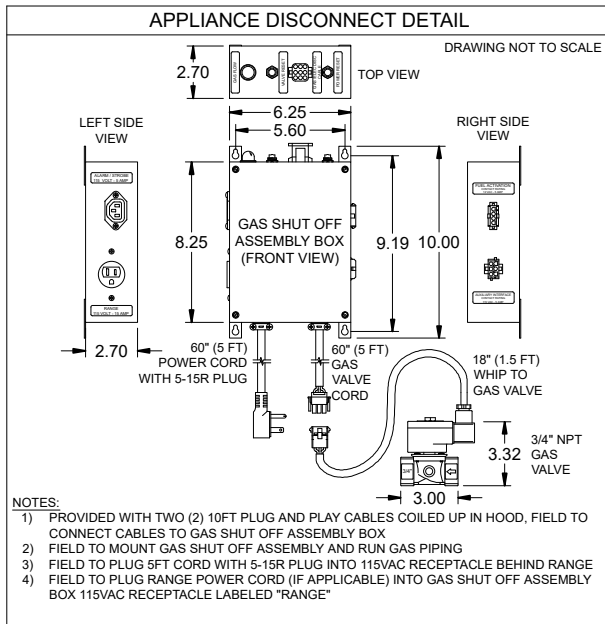
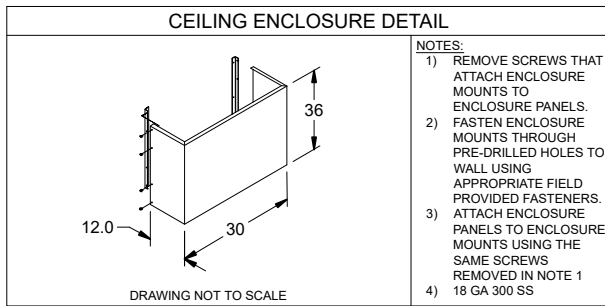
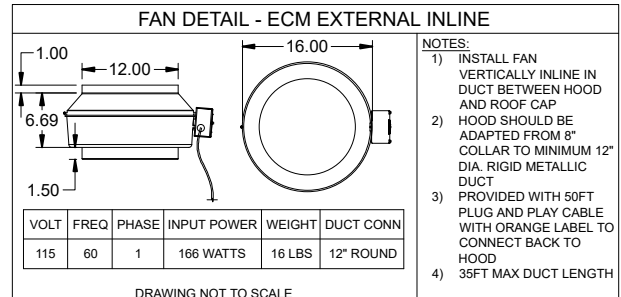
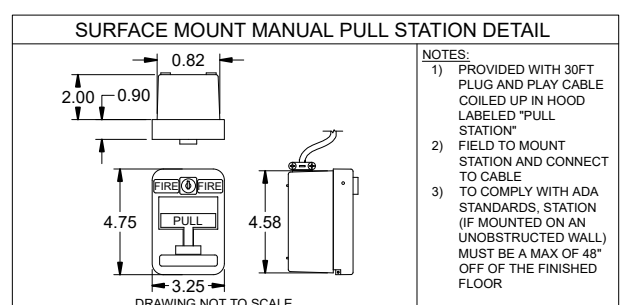


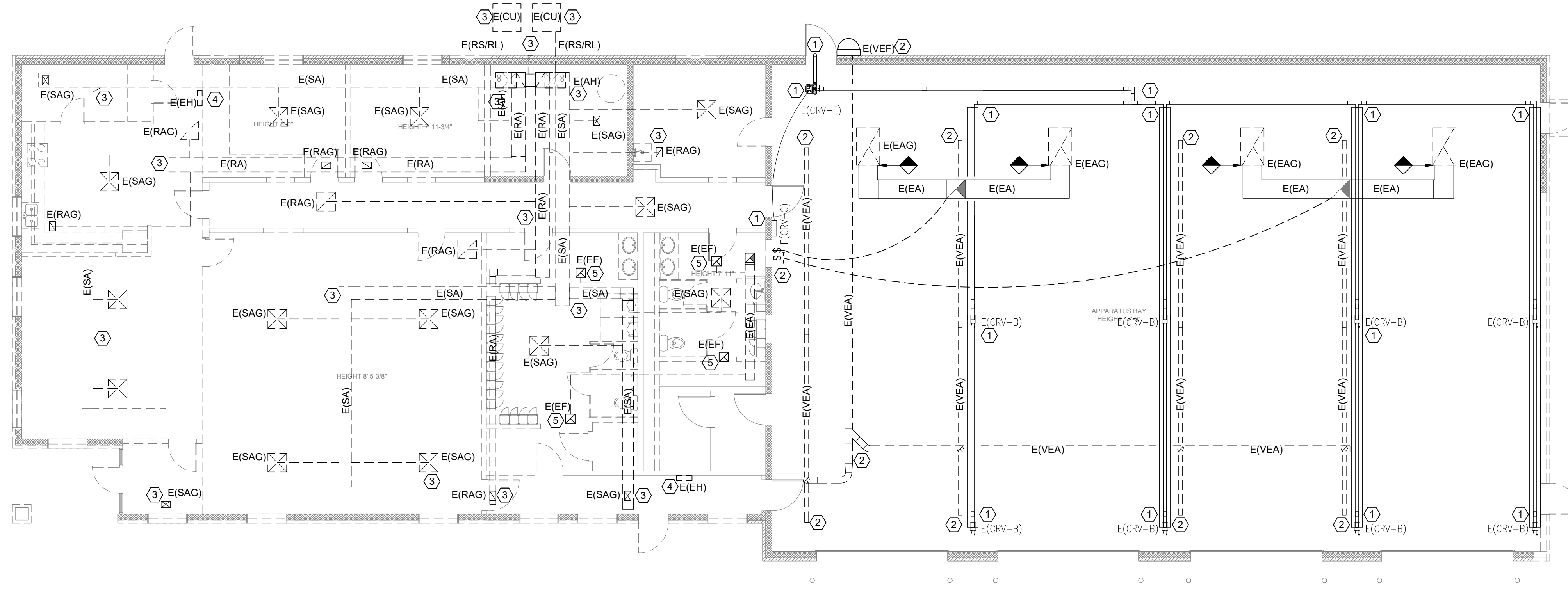
ID	ITEM	ITEM DETAILS
1	EXTERNAL INLINE FAN	50FT PLUG AND PLAY CABLE WITH ORANGE LABEL PROVIDED. FIELD TO RUN BETWEEN HOOD AND FAN, AND CONNECT TO ORANGE HARNESSSES.
2	HOOD POWER	FIELD TO PROVIDE 115VAC POWER FROM 15A BREAKER TO TERMINAL BLOCKS H1 AND N1 INSIDE HOOD (GROUND TO GROUNDING TERMINAL).
3	MANUAL PULL STATION	30 FT PLUG AND PLAY CABLE COILED UP AND ATTACHED TO HOOD. FIELD TO CONNECT TO MANUAL PULL STATION VIA QUICK CONNECTOR IN STATION J-BOX.
4	GAS/ELECTRIC DISCONNECT CABLE 1	10 FT PLUG AND PLAY CABLE COILED UP AND ATTACHED TO 9PIN CONNECTION AT HOOD. FIELD TO PLUG THIS INTO GAS/ELECTRIC SHUT OFF ASSEMBLY BOX.
5	GAS/ELECTRIC DISCONNECT CABLE 2	10 FT PLUG AND PLAY CABLE COILED UP AND ATTACHED TO 4PIN CONNECTION AT HOOD. FIELD TO PLUG THIS INTO GAS/ELECTRIC SHUT OFF ASSEMBLY BOX.
6	RANGE POWER CORD	PLUG RANGE POWER CORD (IF PROVIDED WITH RANGE) INTO GAS SHUT OFF ASSEMBLY BOX.
7	SHUT OFF ASSEMBLY BOX POWER	PLUG GAS SHUT OFF ASSEMBLY BOX POWER CORD INTO NEARBY 115VAC RECEPTACLE.
8	SHUT OFF ASSEMBLY VALVE POWER	GAS VALVE TO CONNECT TO QUICK CONNECTOR, CONNECTS 5FT GAS VALVE POWER CORD TO 1.5FT CABLE ON GAS VALVE.
9	GAS LINE	PIPE GAS LINE INTO GAS VALVE INLET, THEN OUT OF GAS VALVE OUTLET TO RANGE.



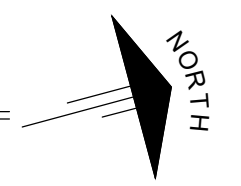
**MOUNTING BRACKET KEY**  
 A. CRITICAL MOUNTING POINTS (MUST BE SECURED TO STUDS OR DRY WALL HANGERS)  
 B. UTILIZE ONE OF THESE TWO CRITICAL POINTS FOR SECURING TO STUD OR DRY WALL HANGERS (THREE TOTAL)  
 C. LOCATION FOR FACTORY PROVIDED 4" X 6" W X 3.5" D CONTROL J-BOX  
 D. HOOD SUPPORT TABS  
 E. HOOD LATCH CONNECTIONS

**NOTES:**  
 1) BEFORE MOUNTING, SITUATE MOUNTING BRACKET ON WALL, MAKING SURE CRITICAL MOUNTING POINTS ARE MET AND DISTANCE FROM BOTTOM OF BRACKET TO COOKING SURFACE IS BETWEEN 24 AND 30 INCHES.  
 2) CUT OUT SPACE IN WALL FOR FACTORY PROVIDED CONTROL J-BOX AND SECURE IN PLACE.  
 3) SECURE MOUNTING BRACKET TO WALL USING THE PROPER FIELD PROVIDED FASTENERS USING CRITICAL MOUNTING POINTS SHOWN ABOVE.





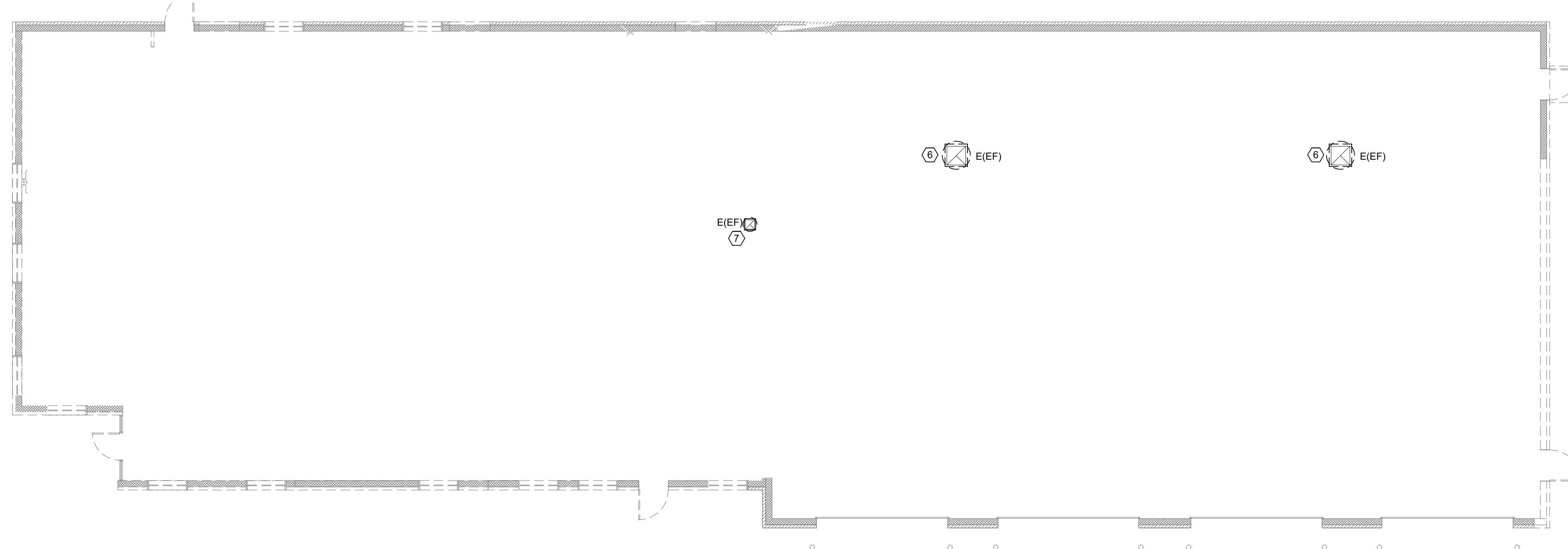
**01** MECHANICAL DEMOLITION FLOOR PLAN  
SCALE: 1/8" = 1'-0"



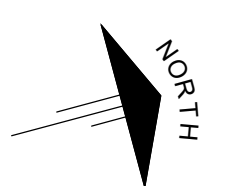
- DEMO TAGGED NOTES:**
1. EXISTING CO-RAY-VAC SYSTEM SHALL REMAIN INCLUDING PIPING, BURNERS, EXHAUST FANS AND CONTROLS. PROVIDE A FULL SERVICE AND CLEANING OF THE EXISTING SYSTEM.
  2. COMPLETELY DEMOLISH EXISTING MAGLOCK VEHICLE EXHAUST EXTRACTION SYSTEM INCLUDING RAILING, DUCTWORK, FLEXIBLE DUCTWORK, FAN, SUPPORTS, AND TIMER SWITCH CONTROLS. PATCH WALL PENETRATIONS.
  3. COMPLETELY DEMOLISH EXISTING SPLIT SYSTEMS, ASSOCIATED FURNACES, REFRIGERANT PIPING, GRILLES, REGISTERS, DIFFUSERS AND DUCTWORK SYSTEMS. COORDINATE DEMOLITION WITH ELECTRICAL CONTRACTOR. PATCH EXTERIOR WALL OUTSIDE AIR AND REFRIGERANT PIPING PENETRATIONS PER THE ARCHITECTURAL DRAWINGS.
  4. DEMOLISH EXISTING ELECTRIC HEATERS COMPLETELY. COORDINATE DEMOLITION WITH ELECTRICAL CONTRACTOR.
  5. COMPLETELY DEMOLISH EXISTING EXHAUST SYSTEMS. COORDINATE DEMOLITION OF ROOF MOUNTED EXHAUST SYSTEM WITH GENERAL CONTRACTOR.
  6. DEMOLISH EXISTING ROOF MOUNTED EXHAUST FAN. COORDINATE EXISTING CURB SIDE WITH CURB TRANSITION ON NEW EXHAUST FAN.
  7. DEMOLISH EXISTING ROOF MOUNTED EXHAUST FAN/GRAVITY HOOD. PROVIDE INSULATED ROOF CURB AND CAP EXISTING OPENING.



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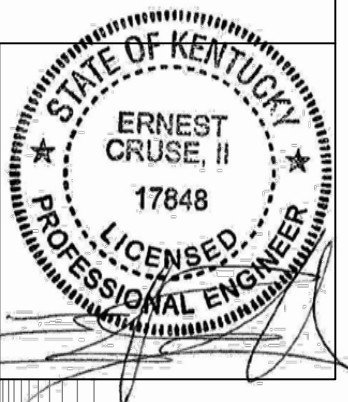
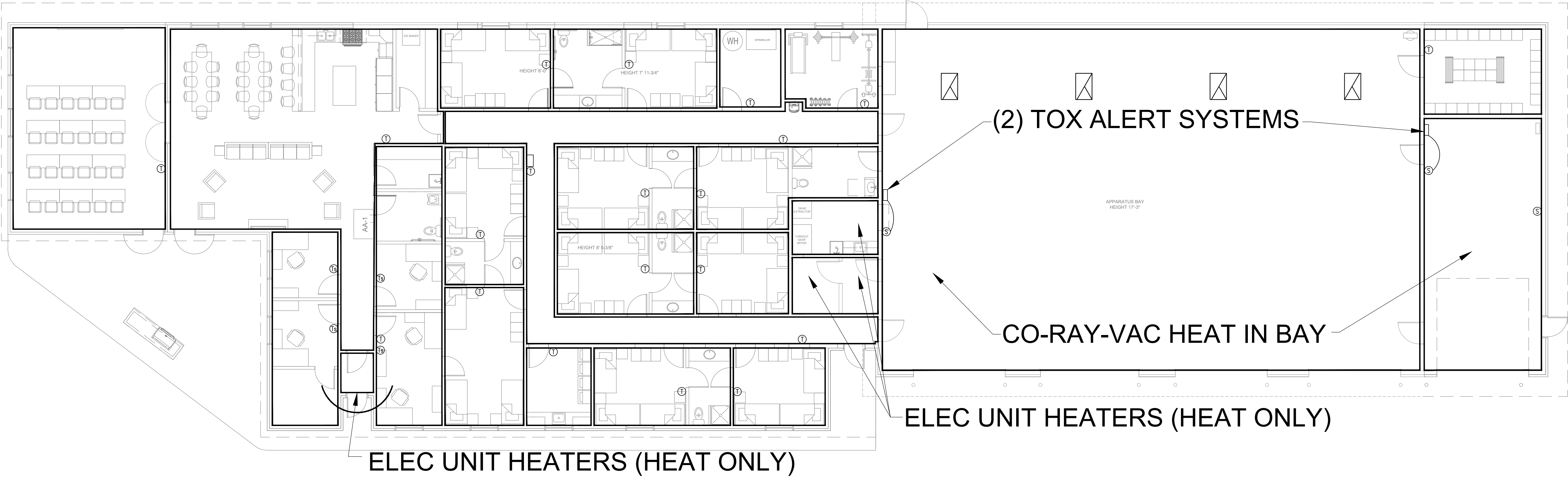


**02** MECHANICAL DEMOLITION ROOF PLAN  
SCALE: 1/8" = 1'-0"



RENOVATION FOR:  
**PLEASURE RIDGE PARK  
FIRE STATION 1**  
4500 KERRICK LN.  
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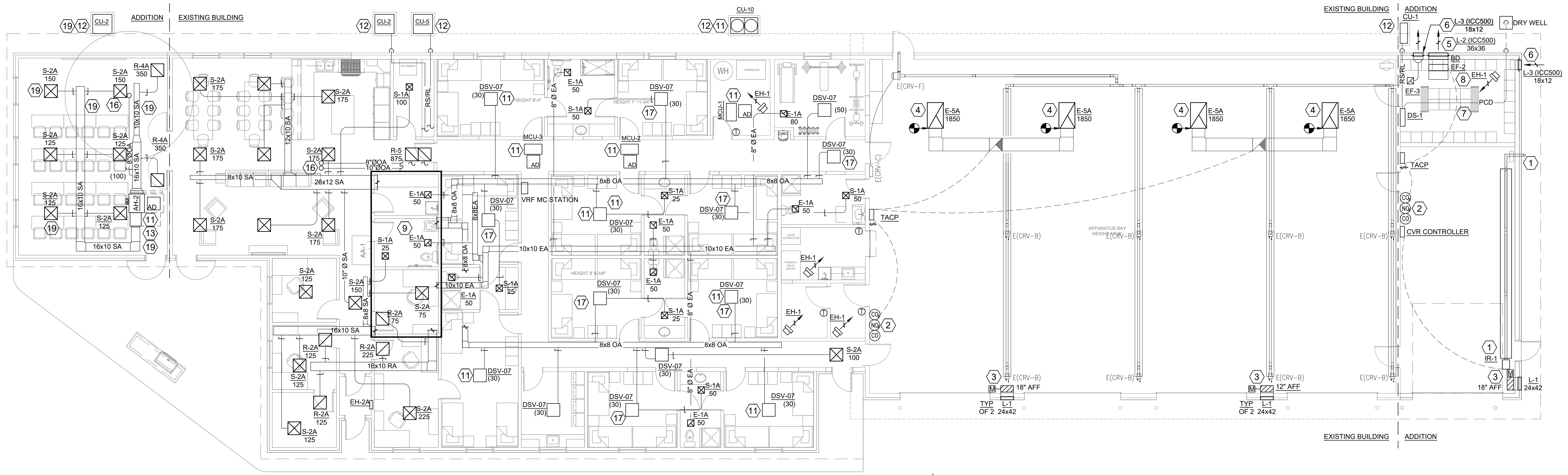


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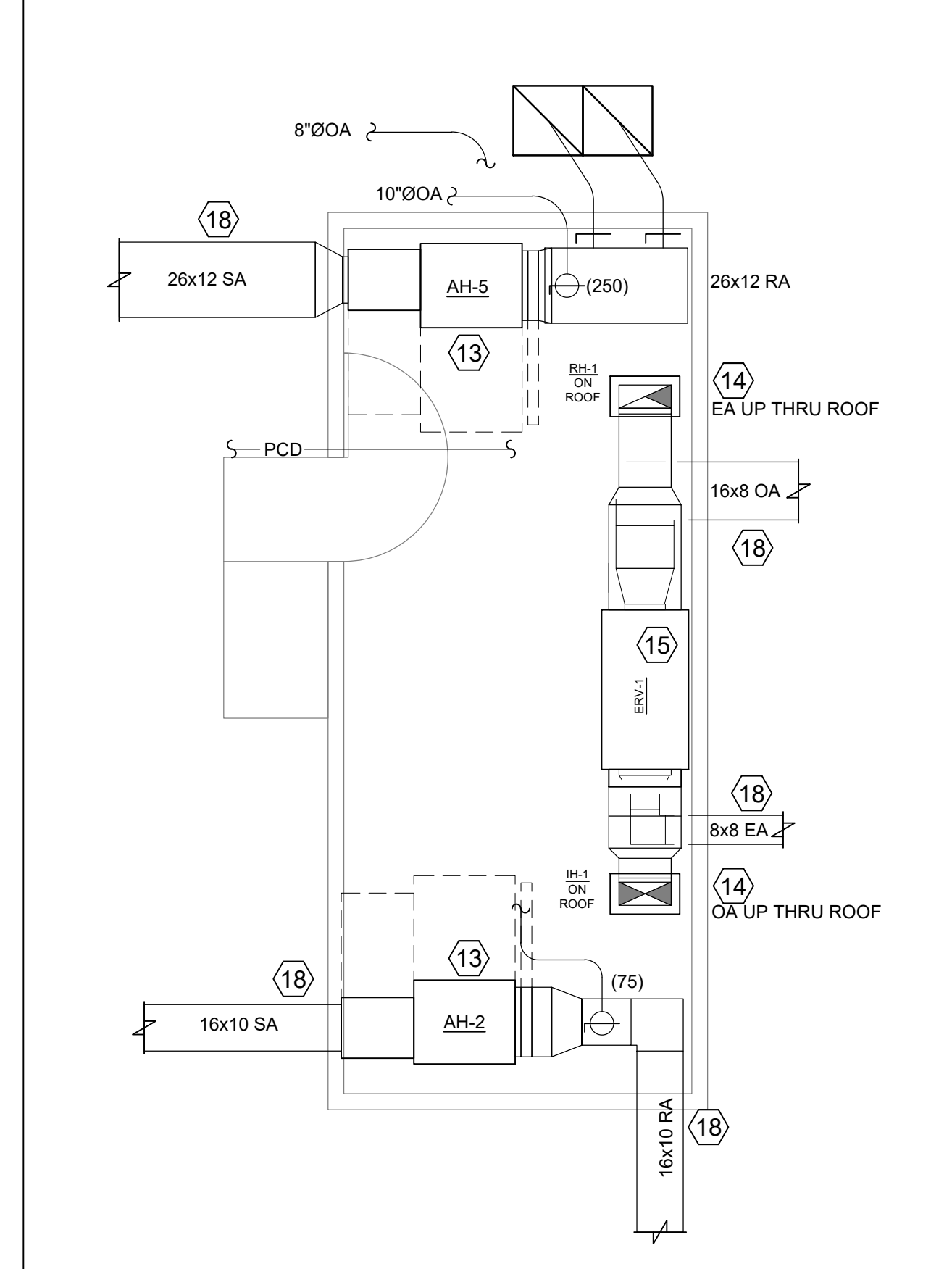
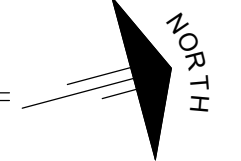
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MECHANICAL ZONING  
AND THERMOSTAT  
FLOOR PLAN  
**M1.01**



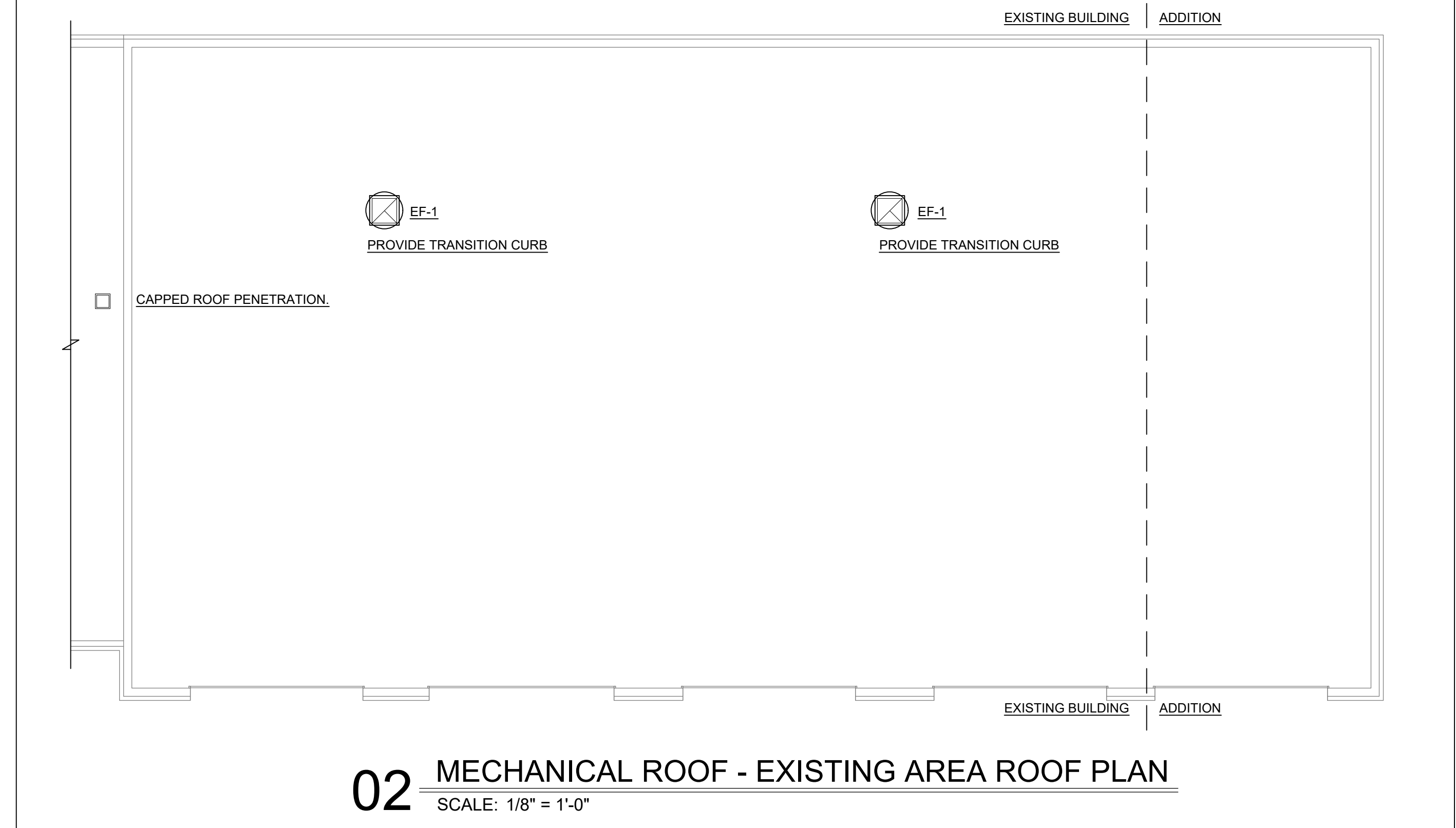
**01 MECHANICAL FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



**03 ENLARGED MECHANICAL ATTIC PLAN**  
SCALE: 1/4" = 1'-0"

**TAGGED NOTES:** \*\*NOTES APPLY TO MULTIPLE SHEETS.\*\*

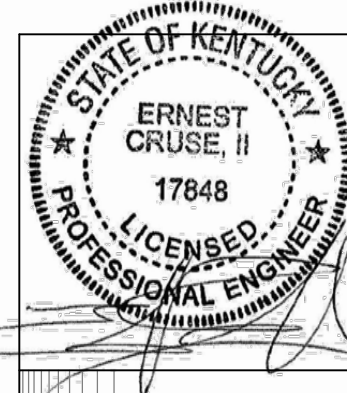
- INSTALL NEW INDEPENDENT CO-RAY-VAC INFRA-RED SYSTEM IN NEW ADDITION APPARATUS BAY. INSTALL MODULATING GAS BURNER AND REFLECTOR JUST UNDER THE OVERHEAD DOOR IN ITS RAISED POSITION. PROVIDE WITH HIGH-EFFICIENCY HEAT REFLECTOR TILTED 45° TOWARDS OPPOSITE END OF BAY. TUBE SHALL BE OF ALUMINIZED STEEL WITH STAINLESS STEEL COUPLINGS. PROVIDE INSULATED VENT TERMINATION AND CAP RATED FOR GAS FIRED APPLIANCES.
- INSTALL NEW TOX ALERT SYSTEM IN GARAGE AREA. PROVIDE 3 SENSOR TOX ALERT SYSTEM AND FAN CONTROL GUV-3 BY TOX ALERT INTERNATIONAL. TYPICAL OF 2. SYSTEM SHALL EXHAUST FAN AND OPEN MOTORIZED DAMPER ON INTAKE LOUVER UPON HIGH CONCENTRATION OF GASSES. REFER TO THE CONTROL SPECIFICATIONS FOR MORE INFORMATION. INSTALL SENSORS 60" AFF.
- INSTALL LOUVER IN NEW WALL PENETRATION. WHERE (2) LOUVERS ARE INDICATED INSTALL LOUVERS ON TOP OF EACH OTHER. WITH A MAXIMUM OF 12" SEPARATING THE LOUVERS VERTICALLY. PROVIDE WITH MOTORIZED SHUT-OFF DAMPER AND PROVING SWITCH RATED FOR THE VOLTAGE OF THE ASSOCIATED EXHAUST FAN. DAMPER SHALL PROVE OPEN PRIOR TO FAN ENERGIZING. COORDINATE LINE VOLTAGE CIRCUITS WITH ELECTRICAL CONTRACTOR. COORDINATE INTERLOCK WITH TOX ALERT OUTPUT SIGNAL.
- INSTALL NEW EXHAUST GRILL IN CEILING. CONNECT TO THE EXISTING EXHAUST DUCTWORK ABOVE 17'-3" CEILING. CONFIRM EXISTING CEILING OPENING SIZE PRIOR. MATCH EXISTING CEILING SIZE.
- INSTALL WALL PROP EXHAUST FAN, BACKDRAFT DAMPER, OSHA GUARD, AND ICC500 RATED LOUVER ABOVE TOP OF STORM SHELTER. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTION FOR ICC500 RATED LOUVER.
- INSTALL LOUVERS SERVING THE STORM SHELTER BELOW TOP OF SHELTER. PROVIDE A BACKDRAFT DAMPER AT LOUVER CONNECTIONS. DUCT TO EQUIPMENT AS SHOWN. PROVIDE BACK DRAFT DAMPER IN DUCTWORK. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTION FOR ICC500 RATED LOUVER.
- INSTALL UNIT INSIDE STORM SHELTER. PUMP CONDENSATE TO EXTERIOR OF STORM SHELTER AND DOWN WALL TO BELOW GRADE. CONTINUE BELOW GRADE TO DRY WELL LOCATED OUTSIDE. PROVIDE 24x24x24 DRYWELL FILLED WITH #57 GRAVEL. WITH A 12" LAYER OF TOPSOIL COVER. FINISHED DRYWELL FLUSH WITH GRADE OR PAVEMENT/ASPHALT AS REQUIRED. COORDINATE FINISH WITH CIVIL CONTRACTOR.
- INSTALL ELECTRIC HEATER INSIDE GEAR/STORM SHELTER.
- SEE ENLARGED MECHANICAL ATTIC PLANS FOR CONTINUATION.
- DRAIN 3/4" INSULATED CONDENSATE TO OPEN RECEPTACLE OR DRAIN IN LOCATION INDICATED. WHERE INDICATED COMBINE CONDENSATE LINES TO 1" INSULATED LINE.
- REFER TO THE VARIABLE REFRIGERANT PIPING FLOOR PLANS FOR ADDITIONAL INSTALLATION INFORMATION.
- INSTALL CONDENSING UNIT ON 4" TALL CONCRETE PAD. COORDINATE PAD WITH CONCRETE CONTRACTOR.
- INSTALL HORIZONTAL AIR HANDLING UNITS WITH SECONDARY DRAIN PAN AND CONDENSATE FLOAT CUT-OUT SWITCH. PROVIDE WITH VIBRATION ISOLATION SUPPORTS AND 2" FILTER RACKS. ROUTE GAS INTAKE AND FLU UP THRU ROOF WITH MANUFACTURER'S CONCENTRIC VENT.
- OUTSIDE AIR AND EXHAUST AIR UP THRU ROOF TO NEW GRAVITY RELIEF HOOD.
- INSTALL NEW ERV UNIT ON VIBRATION ISOLATION SUPPORTS AND FLEXIBLE DUCTWORK CONNECTION TO THE UNIT.
- OUTSIDE AIR DUCT UP THRU ROOF. PROVIDE WITH A GOOSENECK FITTING TERMINATED A MINIMUM OF 12" CLEAR TO THE ROOF.
- OUTSIDE AIR INTAKE AND SUPPLY AIR OUTLET REQUIRED FOR CEILING CASSETTE UNITS.
- SA, RA, EA, AND OA INDICATED CONTINUE IN ATTIC & ABOVE CEILING SPACE. REFER TO FLOOR PLANS FOR CONTINUATION.
- EQUIPMENT AND SHEETMETAL FOR CLASSROOM ADDITION SHALL BE PART OF CLASSROOM ALTERNATE. COORDINATE BID WITH GENERAL CONTRACTOR.
- PROVIDE ACCESS DOOR IN CEILING WHERE UNITS ARE INSTALLED ABOVE GYP CEILING.



**02 MECHANICAL ROOF - EXISTING AREA ROOF PLAN**  
SCALE: 1/8" = 1'-0"

GRD RUNOUT			
SYMBOL	DUCT SIZE	SYMBOL	DUCT SIZE
S-1	6"ø	R-2	8"ø
S-2	8"ø	R-4	12"ø
E-1	6"ø	R-5	14"ø
E-5	*30x48"		

\* MATCH EXISTING OPENING SIZE IN THE FIELD



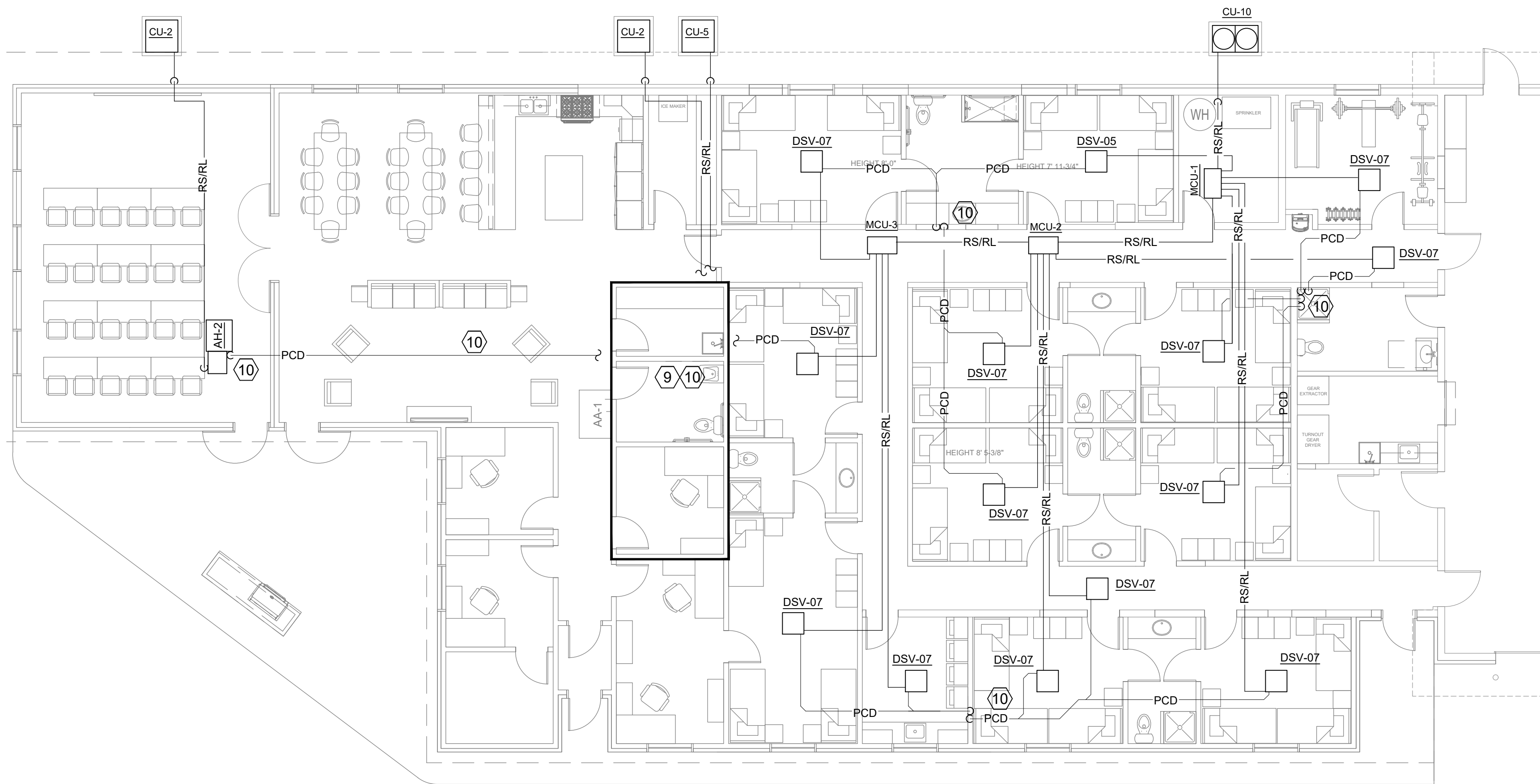
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MECHANICAL FLOOR PLAN

**M1.02**

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**01 MECHANICAL PIPING FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

VRF MODE CONTROL UNIT MCU	
SYMBOL (OUTDOOR)	MCU-1,2,3
MANUFACTURER MODEL NUMBER	SAMSUNG MCU-S4N
ELECTRICAL V / Ø / Hz	208-230/1/60
MCA / MOP	2.0 / 15
REMARKS	ALL
REFRIGERANT	R-410A

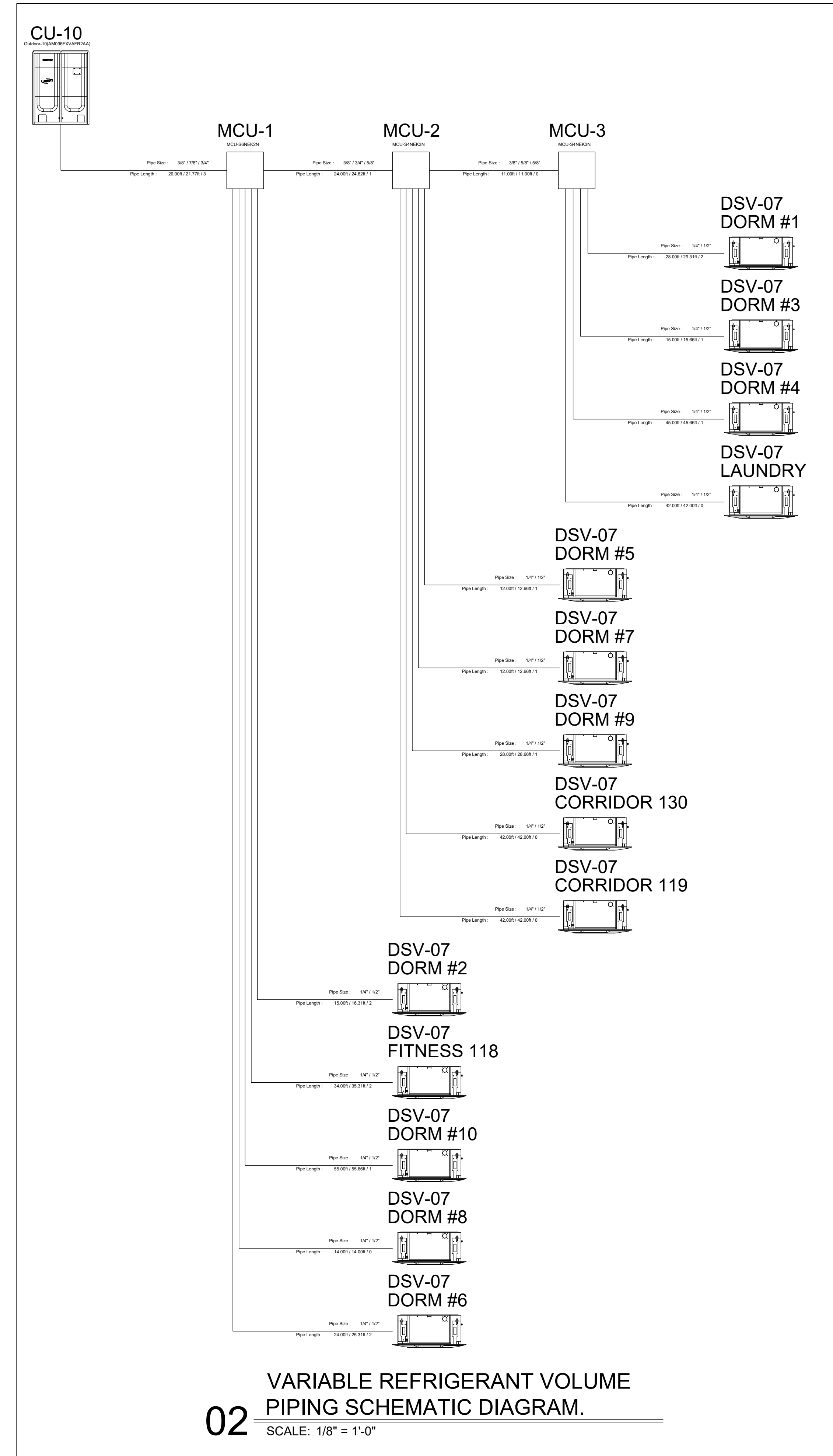
- REMARKS:
1. PROVIDE FACTORY ENGINEERED REFRIGERANT PIPING SYSTEM WITH FACTORY FITTINGS AND MODE CONTROL UNITS.
  2. PROVIDE WITH UL LISTING.
  3. PROVIDE FACTORY START UP FOR EQUIPMENT.
  4. MECHANICAL CONTRACTOR TO PROVIDE ELECTRICAL DISCONNECT. PROVIDE NEMA 3R DISCONNECT FOR OUTDOOR USE.
  5. ACCEPTABLE MANUFACTURERS: SAMSUNG DIAKIN, LG, MITSUBISHI.
  6. INSTALLING CONTRACTOR MUST HAVE COMPLETED MANUFACTURER'S CERTIFIED INSTALLATION CLASS WITHIN THE PAST 36 MONTHS.
  7. PROVIDE WALL MOUNTED MASTER CONTROL STATION.

VRF DSV UNIT SCHEDULE	
MARK	DSV-07
MANUFACTURER MODEL NUMBER	SAMSUNG AM007
AREA SERVED	MULTIPLE
CONFITURATION	CEILING CASSETTE
FAN CFM / ESP	300 / 0.01"
ELECTRICAL V / Ø / Hz	208/1/60
MCA / MOP	0.24 / 15
FAN POWER	65 W
COOLING CAPACITY	7,500
COOLING EAT/DAT	75.9°F / 56.0°F 63.7°F / 55.4°F
HEATING CAPACITY	8,700
HEATING EAT/DAT	65.8°F / 92.0°F

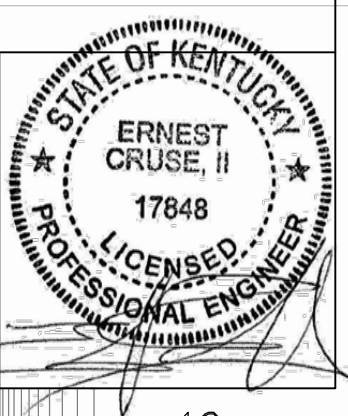
- REMARKS:
1. PROVIDE FACTORY ENGINEERED REFRIGERANT PIPING SYSTEM WITH FACTORY FITTINGS AND BRANCH SELECTOR BOXES.
  2. PROVIDE WITH UL LISTING.
  3. PROVIDE WITH PLASTER FRAME FOR INSTALLATION IN GYP OR PLASTER CEILING.
  4. PROVIDE FACTORY START UP FOR EQUIPMENT.
  5. INSTALLING CONTRACTOR MUST HAVE COMPLETED MANUFACTURER'S CERTIFIED INSTALLATION CLASS WITHIN THE PAST 36 MONTHS.
  6. PROVIDE WITH INTEGRAL CONDENSATE PUMP AND DRAIN OVERFLOW SAFETY INTERLOCK SWITCH.
  7. PROVIDE WALL MOUNTED THERMOSTAT AND SENSOR.
  4. ACCEPTABLE MANUFACTURERS: SAMSUNG, DIAKIN LG, MITSUBISHI.

VFR AIR-COOLED CONDENSING UNIT	
SYMBOL (OUTDOOR)	CU-10
MANUFACTURER MODEL NUMBER	SAMSUNG AM096FX
EER / IEER	12.7/28.6
COOLING (MBH)	96.0
HEATING (MBH)	108.0
REFRIGERANT	R-410A
ELECTRICAL V / Ø / Hz	208-230/3/60
MCA / MOP	37.8 / 50
REMARKS	ALL

- REMARKS:
1. PROVIDE FACTORY ENGINEERED REFRIGERANT PIPING SYSTEM WITH FACTORY FITTINGS AND BRANCH SELECTOR BOXES.
  2. PROVIDE WITH UL LISTING.
  3. PROVIDE FACTORY START UP FOR EQUIPMENT.
  4. MECHANICAL CONTRACTOR TO PROVIDE ELECTRICAL DISCONNECT. PROVIDE NEMA 3R DISCONNECT FOR OUTDOOR USE.
  5. INSTALLING CONTRACTOR MUST HAVE COMPLETED MANUFACTURER'S CERTIFIED INSTALLATION CLASS WITHIN THE PAST 36 MONTHS.
  6. PROVIDE WALL MOUNTED THERMOSTAT AND SENSOR.
  7. ACCEPTABLE MANUFACTURERS: SAMSUNG, DIAKIN LG, MITSUBISHI.



**02 VARIABLE REFRIGERANT VOLUME PIPING SCHEMATIC DIAGRAM.**  
SCALE: 1/8" = 1'-0"



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MECHANICAL VRF SCHEDULES, DETAILS, AND SCHEMATICS

**M1.03**



INFRA RED HEATER	
SYMBOL (OUTDOOR)	IR-1
MANUFACTURER MODEL NUMBER	CO-RAY-VAC VANTAGE CT3-80
TYPE	INFRARED GAS FIRED HORIZONTAL DISCHARGE
INPUT (MBH)	80.0
HEATING OUTPUT (MBH)	64.0
MAX LENGTH OF TUBE	20'-0"
HEAT DEFLECTOR ANGLE	45°
ELECTRICAL V / Ø / Hz	120/1/60
MCA	4.8 A
REMARKS	ALL

- REMARKS:
1. PROVIDE WITH MODULATING GAS CONTROL VALVE.
  2. PROVIDE WITH HORIZONTAL VENT KIT AND SLEEVE SEE DETAIL.
  3. PROVIDE WITH IF-15 HIGH EFFICIENCY REFLECTOR TILTED ON A 45° ANGLE.
  4. PROVIDE THERMOSTAT AND CO-RAY-VAC CONTROLLER.
  5. PROVIDE WITH ALUMINIZED STEEL TUBING AND STAINLESS STEEL COUPLINGS.
  6. APPROVED MANUFACTURERS: CO-RAY-VAC

LOUVER			
SYMBOL	L-1	L-2	L-3
MANUF. & MODEL	RUSKIN ELF35DX	RUSKIN XP500WD	RUSKIN ELF35DX
TYPE	EXTRUDED ALUMINUM FIXED BLADE	ICC 500 RATED FIXED BLADE	EXTRUDED ALUMINUM FIXED BLADE
SERVICE	TOX ALERT INTAKE	TOX ALERT EXHAUST	STORM ROOM INTAKE/EXHAUST
DEPTH	6"	6"	6"
CFM	1,850	1,500	75
APD	0.05" WC	0.05" WC	0.05" WC
SIZE	24x42	36x36	18x12
FREE AREA	3.36 SF	2.2 SF	0.17 SF
FINISH	BAKED ENAMEL	BAKED ENAMEL	BAKED ENAMEL
COLOR	BY ARCHITECT	BY ARCHITECT	BY ARCHITECT
BIRDSCREEN AND DRAINABLE BLADE	YES	YES	YES

- REMARKS:
1. FREE AREA IS MINIMUM ACCEPTABLE. ALTERNATE MANUFACTURER'S SHALL BEAT OR EXCEED AREA LISTED.
  2. ALL LOUVERS SHALL BE EXTRUDED ALUMINUM AND COATED WITH FACTORY BAKED ENAMEL. CUSTOM PAINT AS SELECTED BY ARCHITECT.
  3. PROVIDE FLANGED LOUVER FOR INSTALLATION IN EXTERIOR WALL.
  4. INSTALL STORM ROOM LOUVERS PER MANUFACTURER'S STORM INSTRUCTIONS TO MEET ICC 500 RATING.
  5. APPROVED MANUFACTURER'S ARROW, GREENHECK, RUSKIN.

SPLIT HEAT PUMP WITH GAS BACKUP HEAT		
MARK	AH-2	AH- 5
MANUFACTURER MODEL NUMBER	TRANE S9X2B040U3	TRANE S9X2B080U5
AREA SERVED	CLASSROOM	VARIOUS
CONFIGURATION	HEAT PUMP - GAS HORIZONTAL INSTALLATION	HEAT PUMP - GAS VERTICAL INSTALLATION
INDOOR UNIT WEIGHT	200 LBS	200 LBS
FAN CFM / ESP	800 / 0.7"	2,000 / 0.7"
ELECTRICAL V / Ø / Hz	120/1/60	120/1/60
MCA / MOP	8.8 / 15	14.1 / 15
BACKUP HEAT / STAGES	NAT. GAS - 2	NAT. GAS - 2
HEAT INPUT/OUTPUT	26.0 / 25.2 40.0 / 38.8	52.0 / 50.4 80.0 / 77.6
GAS PRESSURE	7"4F4"WC	7"-14" WC
SYMBOL (OUTDOOR)	CU-2	CU-5
MANUFACTURER MODEL NUMBER	TRANE 4TWR7024	TRANE 4TWR8060
SEER / STAGES	17.0 - 2.0	18.0 - 2.0
COOLING (MBH)	24.0	60.0
HEATING (MBH)	24.0	60.0
REFRIGERANT	R-410A	R-410A
ELECTRICAL V / Ø / Hz	208/1/60	208/1/60
MCA / MOP	15 / 25	41 / 60
REMARKS	ALL	ALL

- REMARKS:
1. PROVIDE WITH SIGHT GLASS, EXPANSION DEVICE, LINE DRIER, SIZE LINES AND PROVIDE INTERMEDIATE TRAPS PER MANUFACTURER'S RECOMMENDATIONS.
  2. PROVIDE WITH LOW AMBIENT KIT, CRANKCASE HEATER, AND HAILGUARD.
  3. PROVIDE WITH UL LISTING.
  4. ALL HORIZONTAL UNITS SHALL HAVE A SECONDARY DRAIN PAN THAT COVERS THE ENTIRE UNIT. PROVIDE CONDENSATE FLOAT SWITCH TO SHUT DOWN UNIT IN THE SECONDARY DRAIN PAN. PAINT BOTTOM OF DRAIN PAN COLOR SELECTED BY THE ARCHITECT.
  5. PROVIDE WITH CONDENSATE PUMPS.
  6. PROVIDE AVERAGING THERMOSTATIC CONTROL FOR ANY SPACE SERVED BY MULTIPLE TEMPERATURE SENSORS. THERMOSTAT CONTROLLER SHALL BE CAPABLE OF AVERAGING TEMPERATURE SENSORS, INDEPENDENT TEMPERATURE SENSING, AND VENTILATION (FAN ONLY) CONTROLS FOR UNITS AS INDICATED ON THE FLOOR PLANS. BASIS OF DESIGN IS HONEYWELL VISION PRO 8000.
  7. PROVIDE WITH CONDENSATE PUMP, SECONDARY STAINLESS STEEL DRAIN PAN, FILTER RACK SIZED FOR A MAXIMUM OF 500 FPM, AND FLOAT CUT-OFF SWITCH. TYPICAL OF ALL.
  8. ACCEPTABLE MANUFACTURERS: TRANE, GOODMAN, CARRIER, JCI-YORK. CONTRACTOR SHALL VERIFY THERMOSTATIC CONTROLLER WILL WORK WITH ALTERNATE MANUFACTURER'S

GRILLES, REGISTERS, AND DIFFUSERS							
SYMBOL	MANUFACTURER MODEL	MATERIAL AND TYPE	CFM RANGE	INLET DUCT SIZE	FACE SIZE	NECK SIZE	REMARKS
S-1	TITUS OMNI-AA	EXTRUDED ALUMINUM PLAQUE FACE DIFFUSER	0-100	6"Ø	12x12	6"Ø	1,2,3,5,8
S-2	TITUS OMNI-AA	EXTRUDED ALUMINUM PLAQUE FACE DIFFUSER	101-225	8"Ø	24x24	8"Ø	1,2,3,5,8
R-2	TITUS 50F	EXTRUDED ALUMINUM 1/2" X 1/2" EGGCRATE	101-225	20X20	24x24	8"Ø	1,2,3,8
R-4	TITUS 50F	EXTRUDED ALUMINUM 1/2" X 1/2" EGGCRATE	376-600	20X20	24x24	12"Ø	1,2,3,8
R-5	TITUS 50F	EXTRUDED ALUMINUM 1/2" X 1/2" EGGCRATE	601-1000	20X20	24x24	14"Ø	1,2,3,8
E-1	TITUS 50F	EXTRUDED ALUMINUM 1/2" X 1/2" EGGCRATE	0-100	20X20	24x24	6"Ø	1,2,3,8
E-5	TITUS 50F	EXTRUDED ALUMINUM 1/2" X 1/2" EGGCRATE	1850	30x48	26x38	24x36	1,2,3,8

- REMARKS:
1. CEILING T-BAR MOUNTED IN 24"x24" ALUMINUM PANEL. GRILLES REGISTERS AND DIFFUSERS WITH AN 'A' DESIGNATION SHALL REQUIRED A PLASTER FRAME TO LAY GRILLE IN GYPSUM BOARD CEILING.
  2. INLET TRANSITION BOX ROUND TO RECTANGULAR.
  3. PROVIDE WHITE IN COLOR.
  4. PROVIDE WITH FILTER FACE AND HINGED DOOR FOR ACCESS. PROVIDE WITH 4 SETS OF OF 20"x20" FILTERS FOR EACH GRILLE.
  5. PROVIDE WITH MOLDED INSULATION BLANKET.
  6. GRILLE SHALL BE PROVIDED WITH 1" BORDER TO BE SURFACE OR DUCT MOUNTED. PROVIDE FACE ADJUSTABLE BUTTERFLY BALANCING DAMPER WITH GRILLE.
  7. PROVIDE FACTORY MADE DISTRIBUTION PLENUM.
  8. ACCEPTABLE MANUFACTURERS: TITUS, PRICE, TUTTLE AND BAILEY, METALAIR, ANEMOSTAT.

EXHAUST FAN			
SYMBOL	EF-1	EF-2	EF-3
MANUF. & MODEL	TWIN CITY 240D BCRD	TWIN CITY WPD-E14-B105	TWIN CITY T100
TYPE	CENTRIFUGAL DOWNBLAST	WALL PROPELLER 25° BLADE ANGLE	CEILING EXHAUST
SERVICE	EXISTING BUILDING TOX ALERT SYSTEM	ADDITION TOX ALERT SYSTEM	EXISTING IT, MOP AND SHOWER RMS
CFM / TSP	3800 / 0.75"	1500 / 0.25"	100 / 0.25"
SUM OF GRILLES	3700	1450	75
DRIVE / FAN RPM	BELT / 650	DIRECT / 1750	DIRECT / 950
FAN HP	1 HP	1/4 HP	87 WATTS
ELECTRICAL	120 / 1 / 60	120 / 1 / 60	120 / 1 / 60
MAX SONES	13.1	15.9	4.1
REMARKS	1, 3-5	2-7	2-5

- REMARKS:
1. PROVIDE WITH GRAVITY BACKDRAFT DAMPER AND ROOF CURB TRANSITION.
  2. PROVIDE WITH GRAVITY BACKDRAFT DAMPER.
  3. THE FAN SHALL BE UL LISTED.
  4. PROVIDE WITH A FACTORY MOUNTED AND WIRED VARIABLE MOTOR SPEED CONTROLLER.
  5. PROVIDE WITH NEMA 3R DISCONNECT.
  6. PROVIDE WITH FACTORY OSHA COMPLIMENT SCREEN AND ENCLOSURE, BACKDRAFT DAMPER, DISCHARGE, SINGLE POINT ELECTRICAL CONNECTION, AND BIRDSCREEN.
  7. PROVIDE WITH ELECTRICAL INTERLOCK TO ASSOCIATED INTAKE LOUVER.
  8. APPROVED MANUFACTURERS: TWIN CITY FAN, GREENHECK, COOK

ELECTRIC HEATERS		
SYMBOL	EH-1	EH-2
MANUF. & MODEL	MARKEL 5100	MARKEL 305
TYPE	CEILING HUNG FAN FORCED	RECESSED FAN FORCED
SERVICE	HEAT ONLY	VESTIBULE
HEATER	3.3 kW	2.25 kW
ELECTRICAL	208 / 1 / 60	208 / 1 / 60
AMP DRAW	15.9 AMPS	10.5 AMPS
REMARKS	ALL	ALL

- REMARKS:
1. PROVIDE WITH THERMAL OVERLOAD PROTECTION
  2. PROVIDE WITH VIBRATION ISOLATION HANGING KIT.
  3. THE HEATER SHALL BE UL LISTED.
  4. PROVIDE WITH FACTORY THERMOSTAT. MOUNT PER PLANS.

GRAVITY INTAKE/RELIEF HOOD		
MARK	IH-1	RH-1
MANUFACTURER MODEL NUMBER	GREENHECK FGI	GREENHECK FGR
AREA SERVED	DORMATORIES	DORMATORIES
THROAT SIZE	8x18	8x18
BIRDSCREEN	YES	YES
BACK DRAFT DAMPER	YES	YES
INSULATED ROOF CURB	YES 14x24	YES 14x24

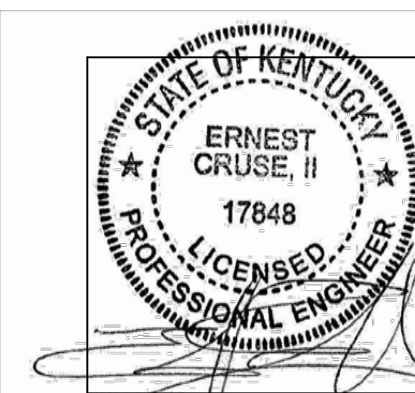
- REMARKS:
1. APPROVED MANUFACTURER'S: GREENHECK, COOK, CREATIVE METALS, TWIN CITY FAN.

ENERGY RECOVERY VENTILATOR	
MARK	ERV-1
MANUFACTURER MODEL NUMBER	GREENHECK ECV-10L-VG-PM
AREA SERVED	DORMATORIES
CONFITURATION	CROSSFLOW HX
EXHAUST FAN CFM/ESP/HP	500 / 0.5" / 0.5
OUTSIDE FAN CFM/ESP/HP	500 / 0.5" / 0.5
ELECTRICAL V / Ø / Hz MCA / MOP	208/1/60 22.1 / 25.0
ELECTRICAL PREHEAT	2.1 KW
EXHAUST AIR TEMP. SUMMER / WINTER	75.0°F / 72.0°F
OUTSIDE AIR TEMP. SUMMER / WINTER	95.0°F / 8.0°F
TEMPERED (OA) AIR TEMP. SUMMER / WINTER	80.3°F / 54.9°F
EFFECTIVENESS SUMMER / WINTER	61.8 / 68.4

- REMARKS:
1. PROVIDE WITH FACTORY DISCONNECT BACKDRAFT DAMPERS, SINGLE POINT CONNECTION, MODULATING FAN CONTROL, AND FROST CONTROL.
  2. PROVIDE WITH UL LISTING.
  3. PROVIDE WITH VIBRATION ISOLATION AND 2" MERV-8 FILTERS
  4. ACCEPTABLE MANUFACTURERS: GREENHECK, CARRIER, JCI-YORK.

DUCTLESS MINI-SPLIT	
MARK	DS-1
MANUFACTURER MODEL NUMBER	SAMSUNG ARO9ABT
AREA SERVED	STORM SHELTER
CONFITURATION	DX COOLING
FAN CFM / ESP	300 / 0.01"
ELECTRICAL V / Ø / Hz	208/1/60
MCA / MOP	NL
SYMBOL (OUTDOOR)	CU-1
MANUFACTURER MODEL NUMBER	SAMSUNG ARO9ABT
SEER / HSPF	24.5 / 12.5
COOLING (MBH)	9.0
HEATING (MBH)	11.0
REFRIGERANT	R-410A
ELECTRICAL V / Ø / Hz	208/1/60
MCA / MOP	12.0 / 20
REMARKS	ALL

- REMARKS:
1. PROVIDE WITH SIGHT GLASS, EXPANSION DEVICE, LINE DRIER, SIZE LINES AND PROVIDE INTERMEDIATE TRAPS PER MANUFACTURER'S RECOMMENDATIONS.
  2. PROVIDE WITH LOW AMBIENT KIT AND CRANKCASE HEATER
  3. PROVIDE WITH UL LISTING.
  4. ACCEPTABLE MANUFACTURERS: TRANE, GOODMAN CARRIER, JCI-YORK
  5. PROVIDE WITH CONDENSATE PUMP THAT FITS INSIDE INDOOR UNIT HOUSING.



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RENOVATION FOR:  
**PLEASURE RIDGE PARK  
FIRE STATION 1**  
4500 KERRICK LN.  
LOUISVILLE, KY 40268

## HVAC SYSTEM GENERAL NOTES

- A. IN GENERAL THE DRAWINGS FOR THE HEATING AND COOLING SYSTEM SHALL BE CONSIDERED DIAGRAMMATIC. DESIGN AND INSTALLATION OF THE HEATING AND COOLING SYSTEM SHALL BE IN ACCORDANCE WITH THE "GUIDE" OF THE AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS.
- B. ALL WORK SHALL COMPLY WITH THE INTERNATIONAL MECHANICAL CODE, ASHRAE, SMACNA, OSHA, AND LOCAL CODE REGULATIONS. THE CONTRACTOR SHALL PERFORM ALL WORK IN CONFORMITY WITH THESE REQUIREMENTS.
- C. INSTALLATION OF ALL MATERIALS AND EQUIPMENT SHALL CONFORM TO THE PRACTICE OF GOOD WORKMANSHIP AND IN ACCORDANCE WITH APPLICABLE REQUIREMENTS.
- D. THE HEATING AND COOLING CONTRACTOR SHALL CORRECT ANY DEFECTS, OMISSIONS AND ERRORS UPON REQUEST BY THE OWNER AND THE FINAL RESPONSIBILITY FOR CORRECT INSTALLATION AND PROPER FUNCTIONING OF THE HEATING AND COOLING SYSTEM SHALL REST WITH THE HEATING AND COOLING CONTRACTOR.
- E. THE HEATING AND COOLING CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTIONS AND APPROVAL OF HEATING AND COOLING SYSTEM, INSTALLATION OF EQUIPMENT FOR FINAL ACCEPTANCE OF THE COMPLETE HEATING AND COOLING SYSTEM INSTALLATION BY STATE AND LOCAL INSPECTORS.
- F. PROVIDE FLEXIBLE DUCT CONNECTIONS TO ALL HVAC UNITS.
- G. VERIFY OPENING DIMENSIONS FOR ALL DUCTWORK ROUTED IN TRUSS/JOIST BAY OR THROUGH TRUSS/JOIST OPENINGS. COORDINATE DUCT SIZES AND LAYOUT PRIOR TO FABRICATION.
- H. ALL ROOF CURBS FURNISHED BY MECHANICAL CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR.
- I. PROVIDE ALL THERMOSTATS FOR HVAC SYSTEMS. MECHANICAL CONTRACTOR TO INSTALL THERMOSTAT AND WIRING. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AND ROUGH-IN BOXES FOR THERMOSTAT INSTALLATION COORDINATE LOCATIONS WITH ELECTRICAL CONTRACTOR.

## SHEET METAL GENERAL NOTES:

ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED PER SMACNA STANDARDS. PROVIDE AND INSTALL HANGERS PER SMACNA RECOMMENDED PRACTICES.

- 3" - 12" ROUND DUCT - 26 GAUGE MINIMUM.  
 14" - 18" ROUND DUCT - 24 GAUGE MINIMUM.  
 3" - 12" RECTANGULAR DUCT WIDTH - 26 GAUGE MINIMUM.  
 14" - 30" RECTANGULAR DUCT WIDTH - 24 GAUGE MINIMUM.

PROVIDE CROSS BREAKS ON ALL DUCTS 12" WIDE OR LARGER. DUCTS SHALL BE HUNG BY 18 GAUGE STRAPS, NO LESS THAN ONE SET OF HANGERS PER SECTION.

PROVIDE FLEXIBLE CANVAS DUCT CONNECTIONS AT THE INLET AND OUTLET OF EACH PIECE OF EQUIPMENT. DURO-DYNE, VENTFABRICS INC, U.S. RUBBER OR APPROVED EQUAL, 20 OZ. NEOPRENE COATED GLASS FABRIC.

PROVIDE A COMMERCIAL HIGH EFFICIENCY ANGLED BOOT TAKE-OFF AT EACH SUPPLY, RETURN, AND EXHAUST GRILLE / DIFFUSER TAKE-OFF. HIGH EFFICIENCY TAKE-OFF BOOT SHALL BE CFM CONTROLS, MODEL CHEABT OR EQUAL. 26 GAUGE BODY, 20 GAUGE BLADE, 2" STAND OFF BRACKET, LOCKING QUADRANT, DIE CAST METAL SLIDE PIN, AND NYLON BUSHINGS.

ALL CONCEALED SUPPLY DUCTWORK SHALL BE WRAPPED WITH OWENS/CORNING ALL SERVICE FIBERGLASS DUCT WRAP, "FACED DUCT WRAP - TYPE 75", 2" THICK FIBERGLASS DUCT WRAP, FACTORY LAMINATED TO A REINFORCED FOIL KRAFT VAPOR BARRIER. INSTALL PER THE MANUFACTURER'S RECOMMENDATIONS.

PROVIDE TURNING VANES IN ALL 90 DEGREE ELBOWS.

FLEXIBLE DUCTWORK IS ALLOWED FOR USE ON CONCEALED DUCTWORK. THE MAXIMUM LENGTH SHALL BE SIX FEET. FLEXIBLE DUCTWORK SHALL BE THERMAFLEX G-KM OR EQUAL.

SEAL ALL JOINTS WITH HARDCAST "IRONGRIP 601". APPLY PER THE MANUFACTURER'S RECOMMENDATIONS.

PROVIDE AN AIR BALANCE MATCHING DESIGN SETTINGS. BALANCE ALL ROOF TOP UNITS, EXHAUST FANS, AND EACH GRD TO WITHIN 10% OF DESIGN.

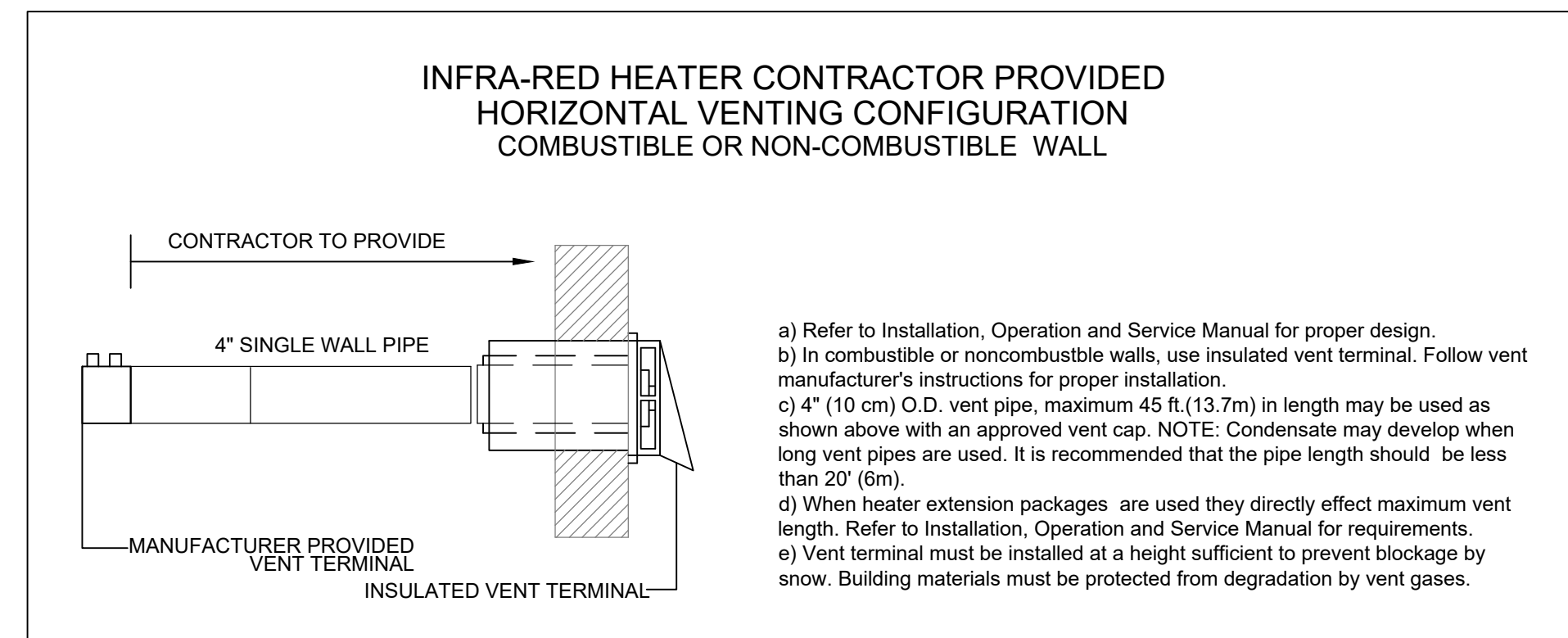
## MECHANICAL SPECIFICATIONS:

### DIVISION 23 - HVAC MATERIALS AND METHODS

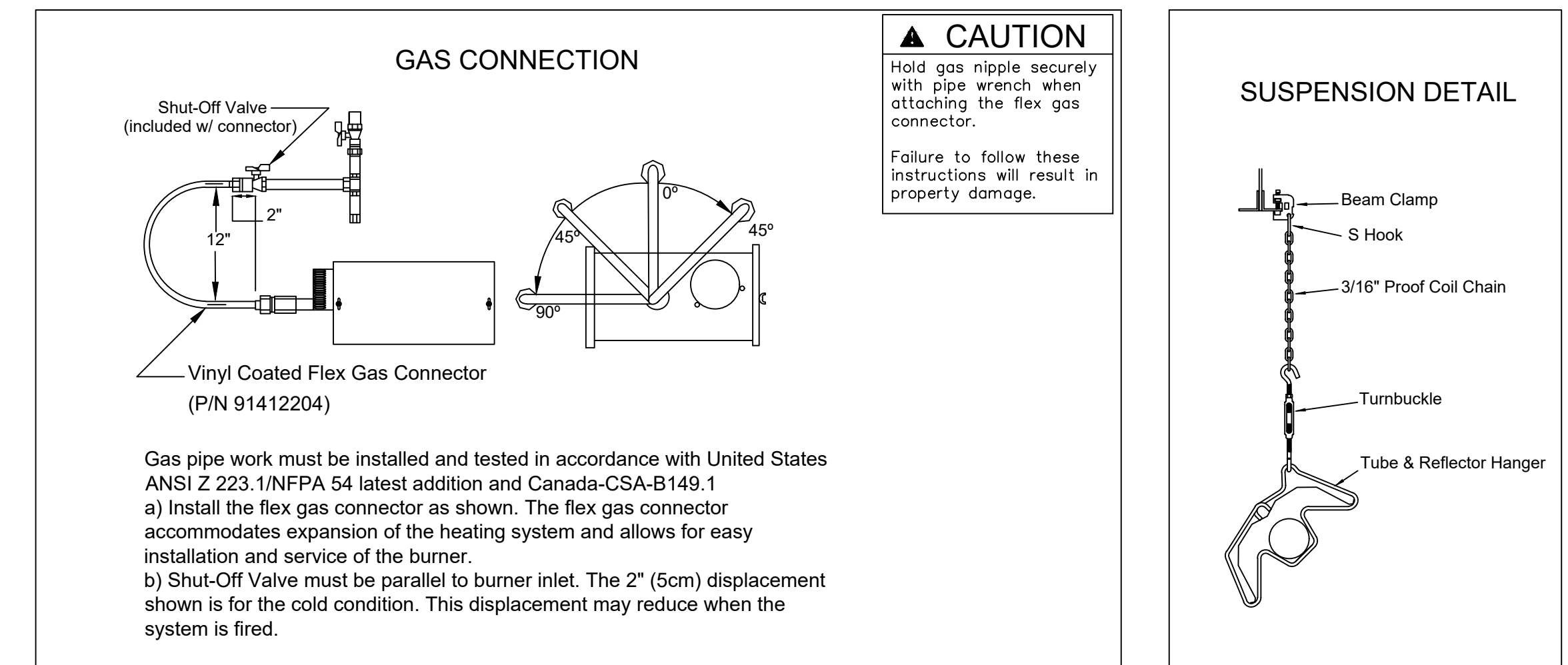
- A) DUCT WORK
- 1) FLEX DUCT MAY BE USED FOR FINAL CONNECTION TO DIFFUSERS ROOM. FLEX DUCT RUNS SHALL NOT EXCEED 5 LINEAL FEET. USE THERMAFLEX "G-KM" INSULATED FLEX DUCT OR EQUAL.
  - 2) ALL SUPPLY, RETURN, EXHAUST, AND OUTSIDE AIR DUCTWORK SHALL BE INSULATED.
  - 3) DUCT INSULATION SHALL BE ELASTOMERIC OR 2 1/2" FIBERGLASS BLANKET WITH FOIL VAPOR BARRIER. USE OWENS/CORNING ALL SERVICE FIBERGLASS DUCT WRAP, "FACED DUCT WRAP - TYPE 75", 2" THICK FIBERGLASS DUCT WRAP, FACTORY LAMINATED TO A REINFORCED FOIL KRAFT VAPOR BARRIER. INSTALL PER THE MANUFACTURER'S RECOMMENDATIONS. UTILIZE R-6.5 (R-8 WHERE SPECIFIED) SEAL JOINTS AND SEAMS TO MAINTAIN VAPOR BARRIER. INSULATE SUPPLY AND RETURN AIR DUCTS WITH R6 INSULATION. UTILIZE R8 DUCT INSULATION ON ALL OUTSIDE AIR DUCTWORK. EXPOSED DUCTWORK THAT REQUIRES INSULATION SHALL BE INSULATED WITH JOHNS-MANVILLE 800 SERIES DUCT BOARD INSULATION AND SHALL BE PAINTED CUSTOM COLOR SELECTED BY ARCHITECT.
  - 4) ALL EXPOSED DUCTWORK SHALL BE PAINTED BY CUSTOM COLOR SELECTED BY THE ARCHITECT.
  - 5) PROVIDE FLEXIBLE CONNECTIONS BETWEEN DUCTWORK AND FURNACE OR FAN.
  - 6) ALL BRANCH CONNECTIONS AND TRANSVERSE JOINTS SHALL BE SEALED WITH HARD CAST LIQUID SEALANT OR EQUAL. DUCT TAPE SHALL NOT BE PERMITTED.
  - 7) INTERNAL DUCT LINER MAY ONLY BE USED FOR SOUND CONTROL. INCREASE DUCT SIZE AND AIR VOLUME AS REQUIRED.
  - 8) ALL DUCT SHALL BE CONCEALED IN WALLS OR CEILING UNLESS SHOWN EXPOSED.
  - 9) ALL DUCT SHALL BE SUPPORTED BY UNI-STRUT AND ALL-THREAD ROD.
  - 10) ALL SYSTEMS IN FINISHED AREAS SHALL HAVE DUCTED SUPPLY & RETURN.
  - 11) EXPOSED DOUBLE WALL DUCTWORK:
    - 11)1) PROVIDE INSULATED DOUBLE-WALL SUPPLY AIR DUCTWORK IN EXPOSED AREAS.
    - 11)2) OUTER DUCTWORK SHALL BE CONSTRUCTED OF 'PAINT GRIP' STEEL
    - 11)3) INNER SHELL SHALL BE GALVANIZED STEEL.
    - 11)4) ALL FITTINGS SHALL BE MADE BY THE SAME MANUFACTURER.
    - 11)5) PROVIDE A FIBERGLAS LINER FOR INNER SHELL MATCHING INSULATION SPECIFICATIONS ABOVE. NO INSULATION SHALL BE EXPOSED TO THE AIR STREAM.
- B) EQUIPMENT
- 1) AHU AND AH UNIT MANUFACTURERS SHALL BE TRANE. PERFORMANCE FOR ALTERNATE MANUFACTURER'S SHALL BE VERIFIED PRIOR TO SUBMITTING FOR REVIEW.
  - 2) UNIT EFFICIENCY SHALL BE APPROXIMATELY 95% UNLESS NOTED OTHERWISE.
  - 3) AHU SEER RATING SHALL BE 15 OR GREATER. DX SPLIT UNITS SHALL HAVE A SEER RATING OF 17 OR HIGHER.
  - 4) HVAC CONTRACTOR SHALL PROVIDE ANY MOTOR STARTERS THAT ARE REQUIRED. STARTERS WILL BE INSTALLED BY ELECTRICAL CONTRACTOR.
  - 5) ANY FURNACE, ROOFTOP UNIT OR AIR HANDLER, OR AC UNIT RATED AT 2,000 CFM OR GREATER SHALL HAVE A DUCT SMOKE DETECTOR, REMOTE TEST SWITCH AND AUDIO/VISUAL ALARM AS REQUIRED.
  - 6) VARIABLE REFRIGERANT FLOW/VOLUME SYSTEM SHALL BE DESIGNED BY THE MANUFACTURER'S ENGINEER AND INSTALLED BY A CONTRACTOR THAT HAS COMPLETED THE MANUFACTURER'S INSTALLATION TRAINING IN THE PAST 36 MONTHS. PROVIDE A COMPLETE SYSTEM DESIGNED FOR HEAT RECOVERY BY UTILIZING BRANCH SELECTION OR OTHER MEANS. SYSTEM SHALL HAVE STANDALONE THERMOSTATIC CONTROL WITH PROGRAMMABLE THERMOSTATS. PROVIDE RIGID COPPER LINES FOR ALL LINES BETWEEN THE OUTDOOR CONDENSER AND THE INDOOR DISTRIBUTION SYSTEM (BRANCH SELECTOR BOXES).
- C) PIPING
- 1) REFRIGERANT PIPING SHALL BE ACR HARD COPPER. INSULATE ALL LINES WITH 1" ARMAFLEX, SEALED TO MAINTAIN VAPOR BARRIER. INSULATION MUST BE OUTDOOR RATED.
  - 2) CONDENSATE PIPING SHALL BE COPPER. PROVIDE A FULL SIZE, CAPPED TRAP, SAFETY T SWITCH AND DRAIN AT EACH AIR-HANDLING UNIT COOLING COIL/CONDENSING FURNACE. INSULATE PIPING WITH 1/2" THICK INSULATION.
- D) DRAIN PANS
- 1) DRAIN PANS SHALL BE SECURELY SUPPORTED USING THREADED ROD AND UNI-STRUT OR PLACE ON DECKING USED TO SUPPORT UNIT. DRAIN PANS WILL NOT BE ACCEPTED IF HOLES EXIST OTHER THAN DRAIN PIPE OUTLET. EACH DRAIN PAN SHALL HAVE AN AUXILIARY FLOAT SWITCH CONNECTED FOR UNIT SHUT DOWN.
- E) THERMOSTATS AND CONTROLS
- 1) THERMOSTATS IN FINISHED AREAS SHALL BE 7 DAY PROGRAMMABLE WITH OCCUPIED OVERRIDE.
  - 2) THERMOSTATS INSTALLED IN RETURN AIR DUCTWORK SHALL BE AVERAGED WITH ASSOCIATED ROOM THERMOSTATS AND CONTROLLED BY THE WALL PLATE IN THE MRI CONTROL ROOM.
  - 3) WHERE SHOWN ON DRAWINGS, PROVIDE UNIT-MOUNTED OR REMOTE MOUNTED THERMOSTATS ON ELECTRIC HEATERS. WHERE MULTIPLE THERMOSTATS ARE SHOWN IN ONE ZONE, OFFSET TEMPERATURE SETTINGS IN INCREMENTS OF TWO °F TO PROVIDE STAGED HEATING CONTROL.
  - 4) TOX ALERT EXHAUST FAN CONTROL. PROVIDE GVU-3 AND (1) REMOTE GVU-CO CARBON MONOXIDE SENSOR (1) REMOTE GVU-NO2 NITROGEN DIOXIDE, AND (1) REMOTE GVU-CO2 CARBON DIOXIDE SENSOR PER SYSTEM. INSTALL SENSORS IN COMMON LOCATION NEAR TOX ALERT CONTROL PANEL (TACP). PROVIDE CONTROL PANEL WITH POWER INDICATOR, HIGH GAS ALARM INDICATOR FOR EACH SENSOR, FAN 'ON' INDICATOR, AUDIBLE AND VISUAL ALARM AND HORN SILENCE SWITCH, USER ADJUSTABLE MINIMUM FAN RUN TIME, AND UL LISTING. IN CASE OF POWER FAILURE THE SYSTEM SHALL DEFAULT TO FAN ON STATUS. TOX ALERT SYSTEM SHALL BE INSTALLED BY CERTIFIED CONTRACTOR. INSTALL WITH MANUAL FAN OVERRIDE SWITCH.
  - 5) OCCUPANT CONTROL - PROVIDE "AUTO - ON" SWITCH WIRED IN PARALLEL WITH TOX ALERT SYSTEM FOR OCCUPANT CONTROL OF FAN SYSTEM. OCCUPANT CONTROL SWITCH SHALL ACTIVATE LOUVERS AND FANS, BUT NOT INTERRUPT AUTOMATIC OPERATION OF TOX ALERT SYSTEM. TOX ALERT SYSTEM SHALL OVERRIDE OCCUPANT CONTROL SWITCH IN THE EVENT OF HIGH CONCENTRATIONS DETECTED IN THE SHOP SPACE.
  - 6) LOUVER MOTORIZED DAMPER. INSTALL LOUVER MOTORIZED DAMPER AND POSITION PROVING SWITCH IN SERIES WITH TOX ALERT SYSTEM AND SERVICE BAY EXHAUST FAN. LOUVER IS TO PROVE OPEN PRIOR TO FAN ENERGIZING.
- F) TESTING
- 5) PROVIDE AIR BALANCE TESTING AND ADJUSTMENT TO PROVIDE FLOW RATES AS DESIGNED. PROVIDE ONE (1) ADDITIONAL VISIT TO BALANCE ACCORDING TO OCCUPANCY LOADS.

### HVAC SCOPE OF WORK

THE DRAWINGS SHALL BE PROPERLY COORDINATED WITH THOSE OF OTHER TRADES TO PREVENT CONFLICTS. MAINTAIN A SEPARATE SET OF PRINTS SHOWING ALL CHANGES AND VARIATIONS THAT ARE MADE DURING CONSTRUCTION.

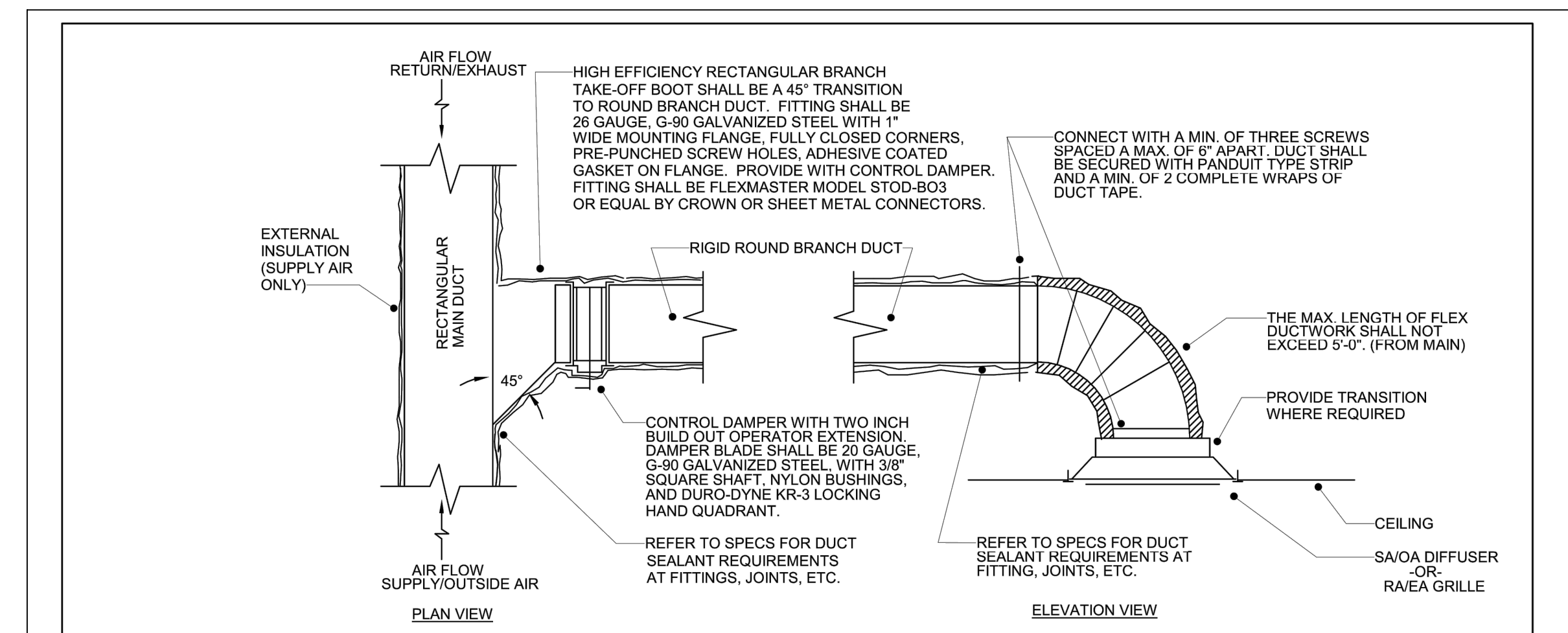


- Refer to Installation, Operation and Service Manual for proper design.
- In combustible or noncombustible walls, use insulated vent terminal. Follow vent manufacturer's instructions for proper installation.
- 4" (10 cm) O.D. vent pipe, maximum 45 ft. (13.7m) in length may be used as shown above with an approved vent cap. NOTE: Condensate may develop when long vent pipes are used. It is recommended that the pipe length should be less than 20' (6m).
- When heater extension packages are used they directly effect maximum vent length. Refer to Installation, Operation and Service Manual for requirements.
- Vent terminal must be installed at a height sufficient to prevent blockage by snow. Building materials must be protected from degradation by vent gases.



## CO-RAY-VAC INSTALLATION DETAILS

SCALE: NO SCALE



## TYPICAL DUCT TAKEOFF DETAIL

SCALE: NO SCALE

PROJECT NO:

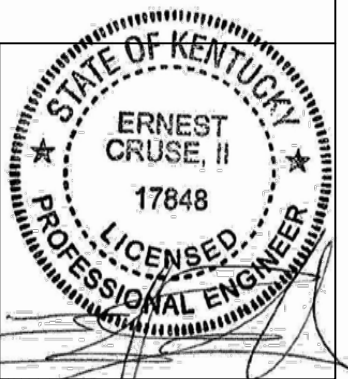
20-4017

DRAWN BY:

MGD

DATE:

04-20-2021



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RENOVATION FOR:  
**PLEASURE RIDGE PARK  
 FIRE STATION 1**  
 4500 KERRICK LN.  
 LOUISVILLE, KY 40268

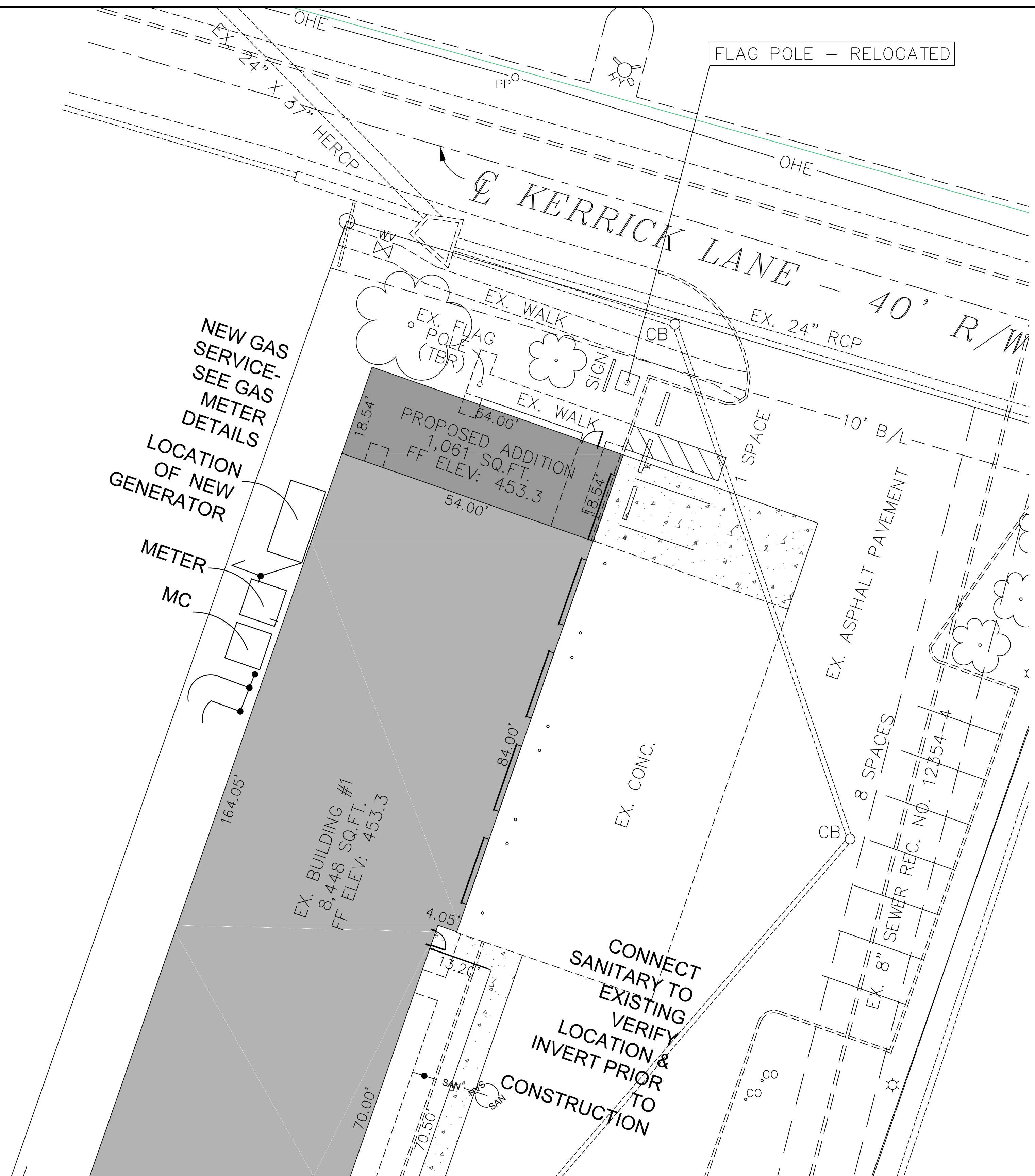
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MECHANICAL SPECIFICATIONS AND DETAILS

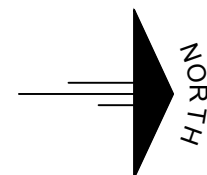
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PROJECT: PLEASURE RIDGE PARK FIRE STATION 1 - FILE: P1.00 Plumbing Utilities Plan.dwg - DATE: Apr 21, 2021 2:20AM - BY: CAROLINA SOTO

PROJECT NO:  
20-4017  
DRAWN BY:  
CS  
DATE:  
04-20-2021



**01 SITE UTILITY PLAN**  
SCALE: NTS

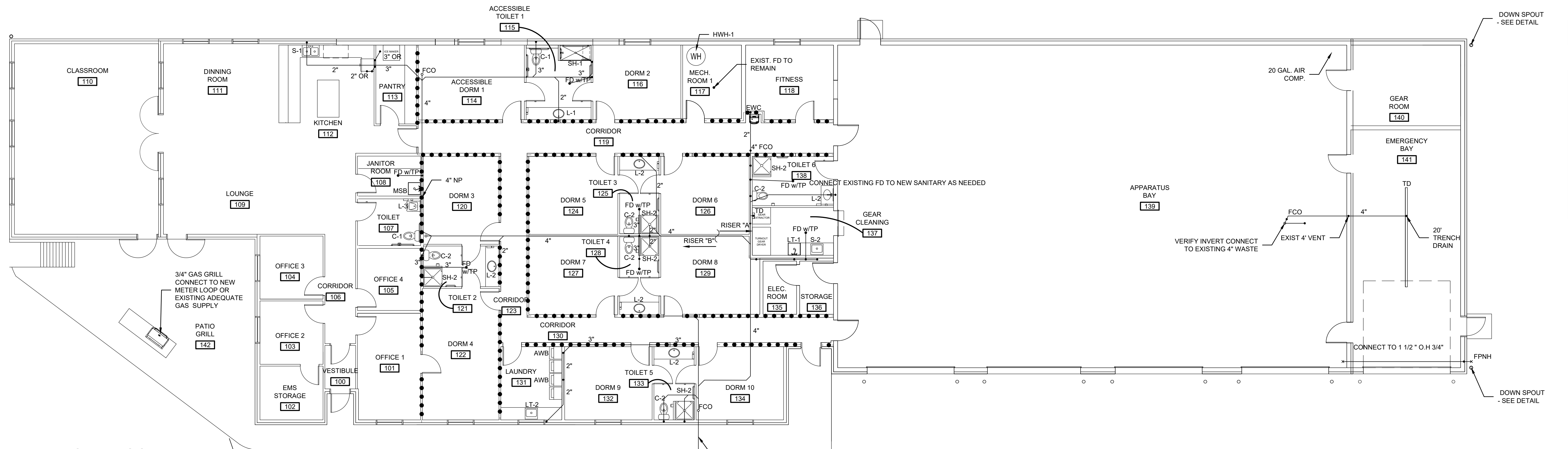


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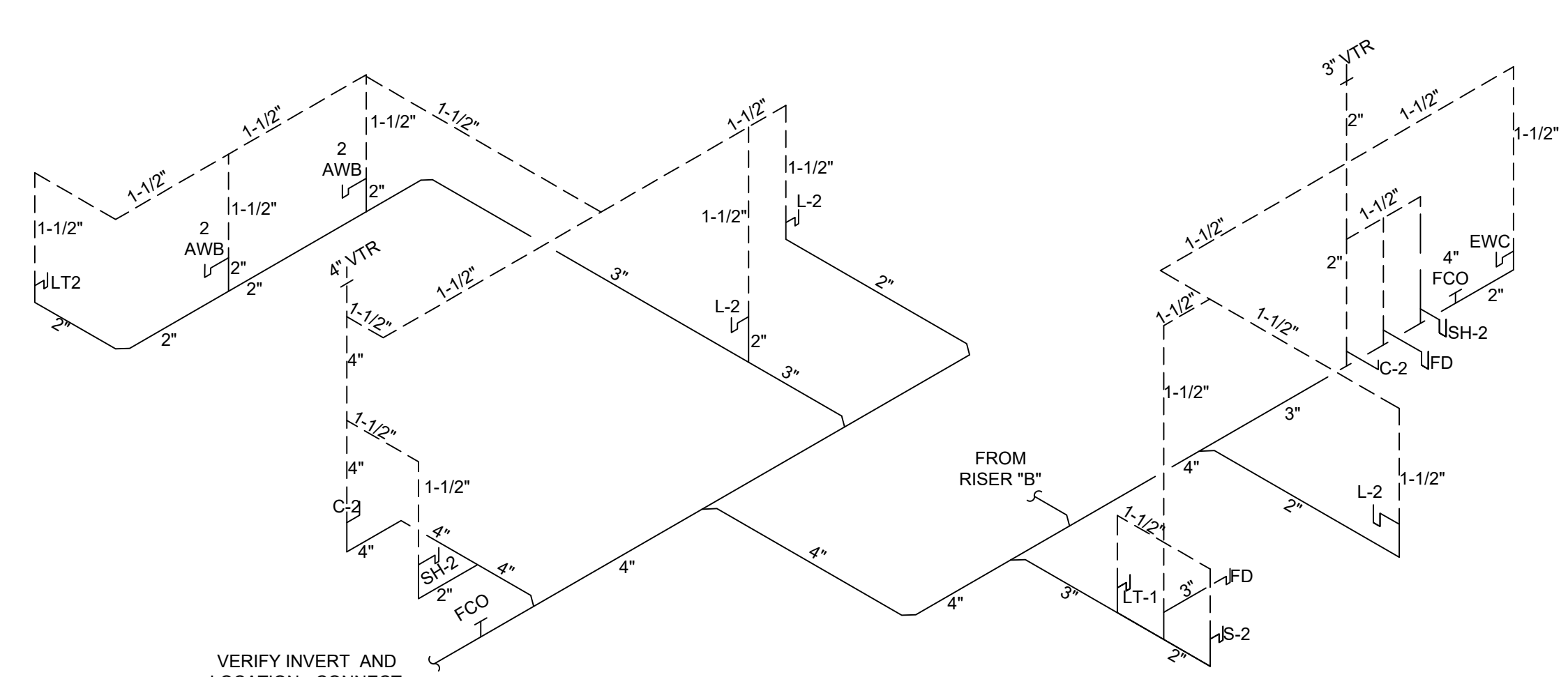
RENOVATION FOR:  
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FIRE STATION 1**  
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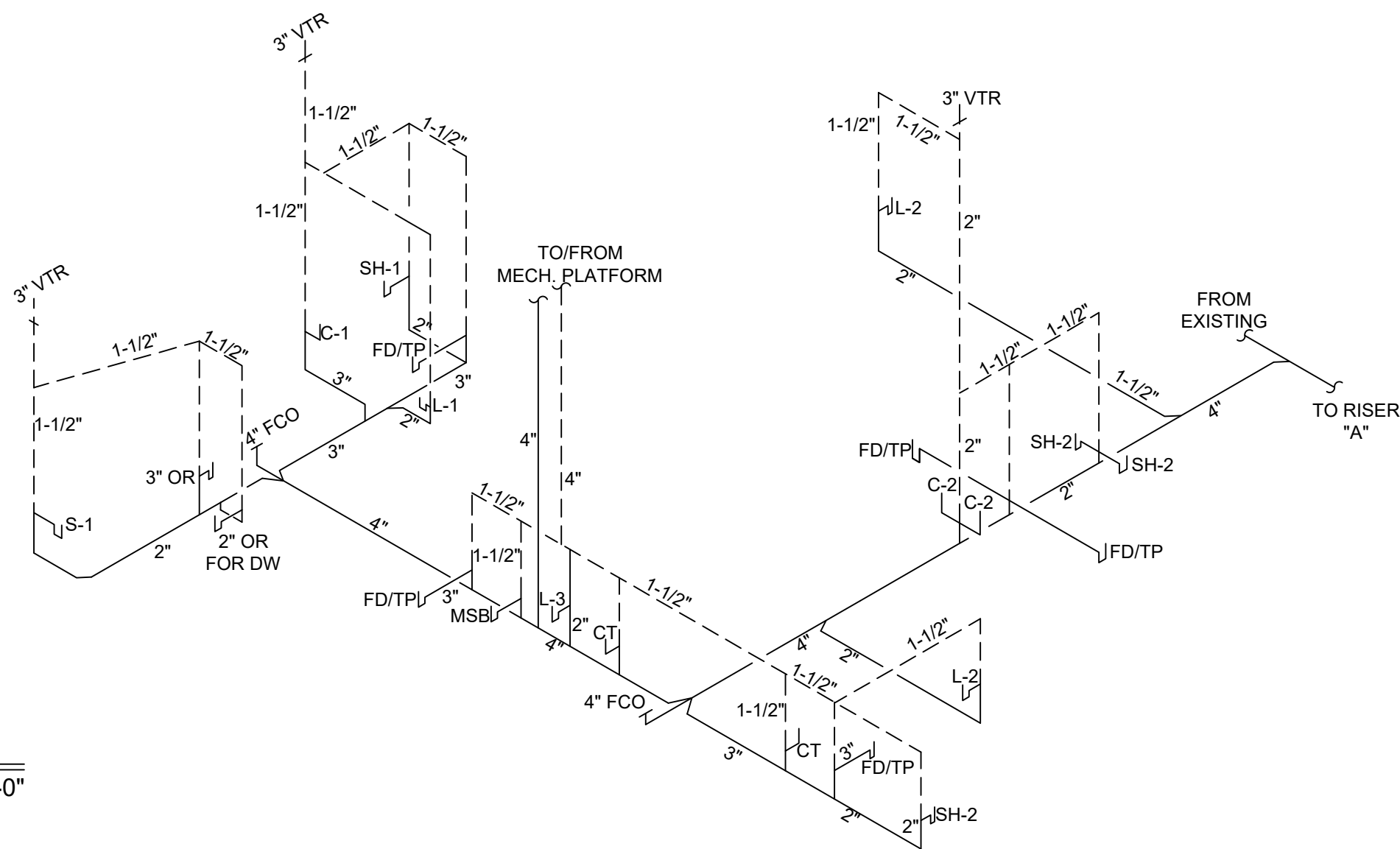
PLUMBING UTILITY PLAN  
**P1.00**



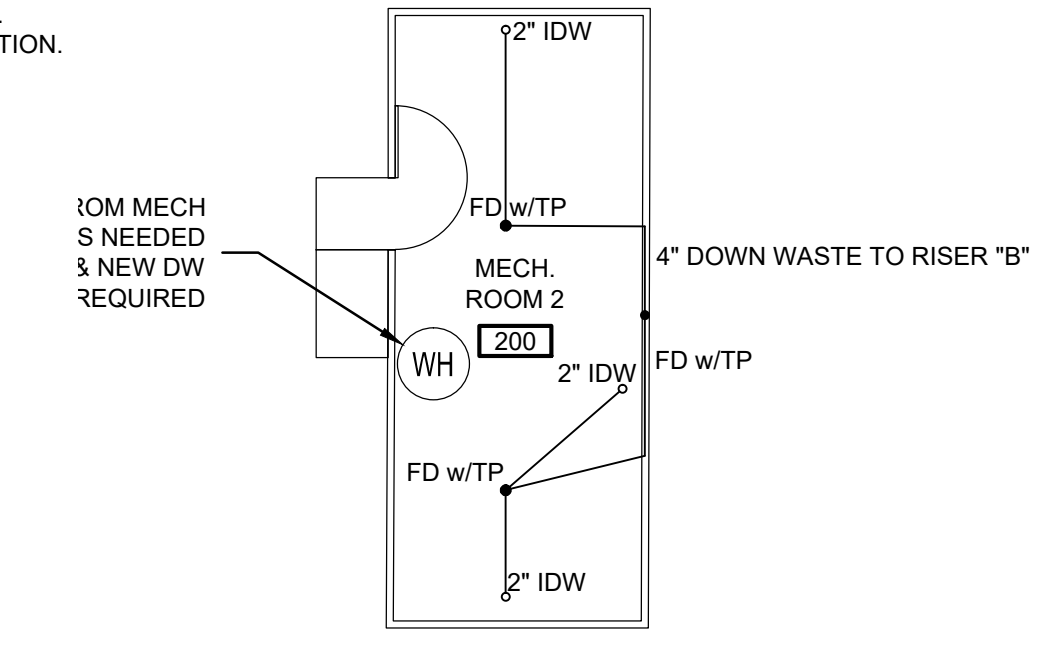
**01 WASTE FLOOR PLAN**  
SCALE: 1/8" = 1'-0"  
NORTH



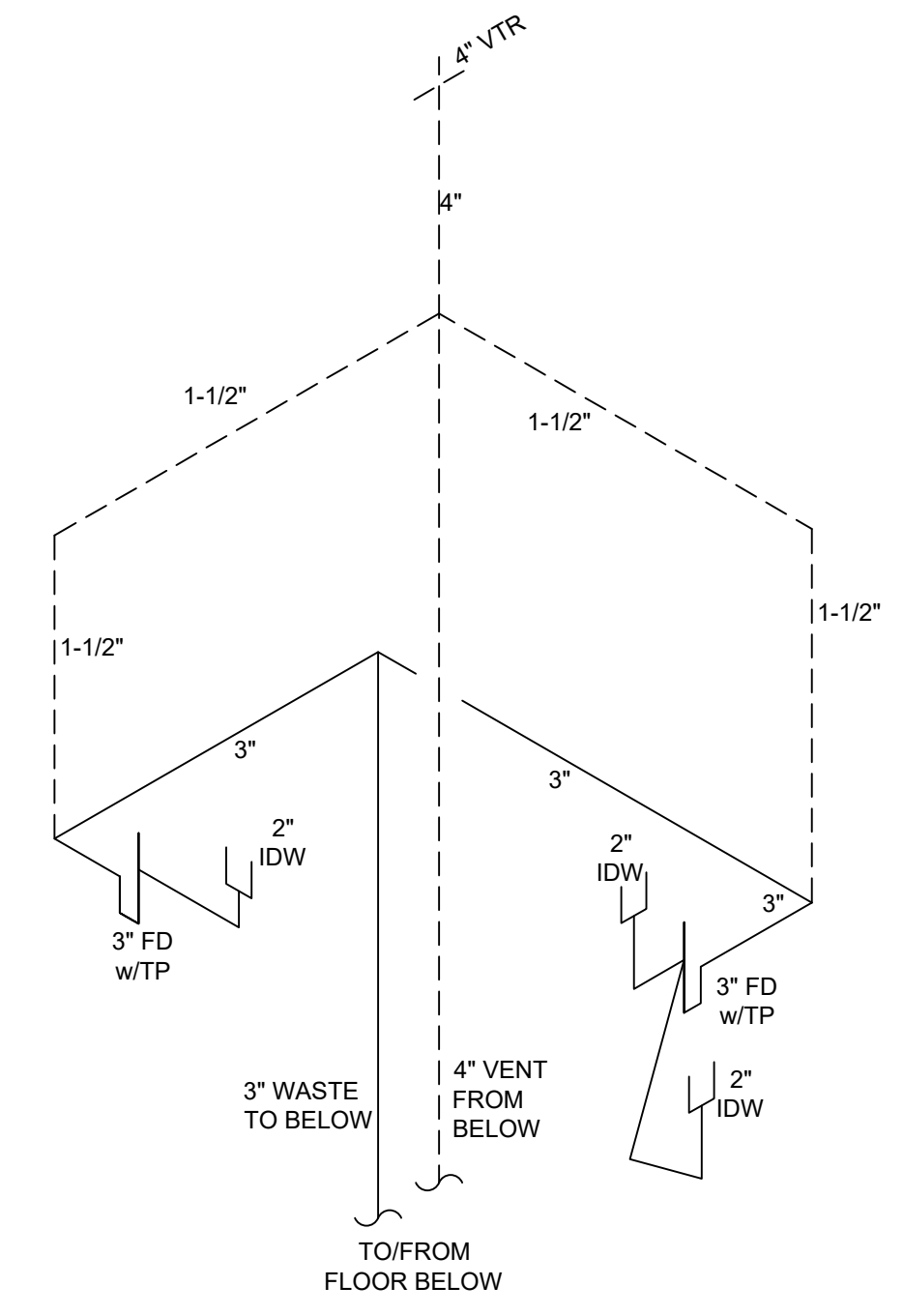
**02 RISER "A"**  
SCALE: 1/16" = 1'-0"



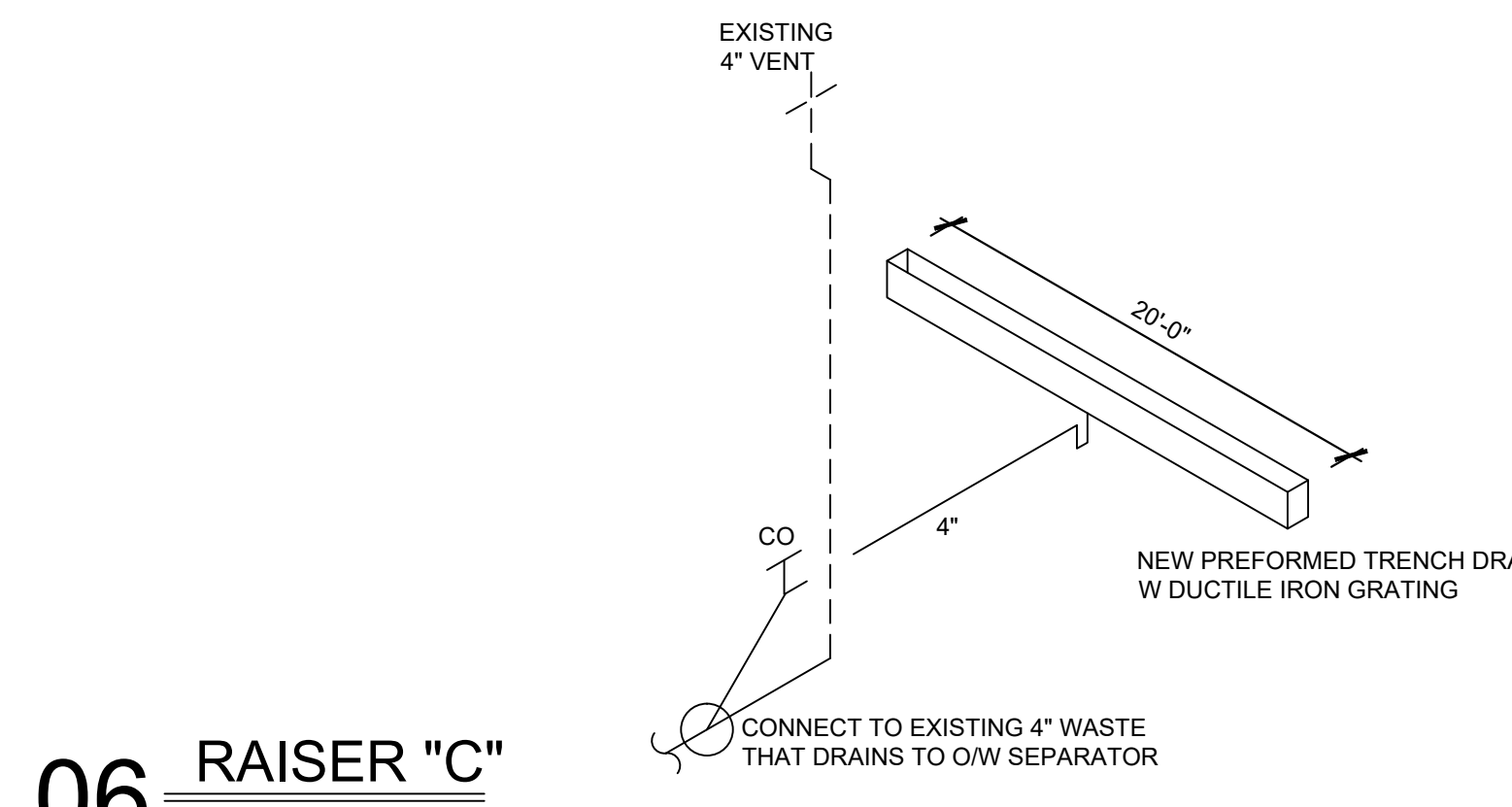
**03 RISER "B"**  
SCALE: 1/16" = 1'-0"



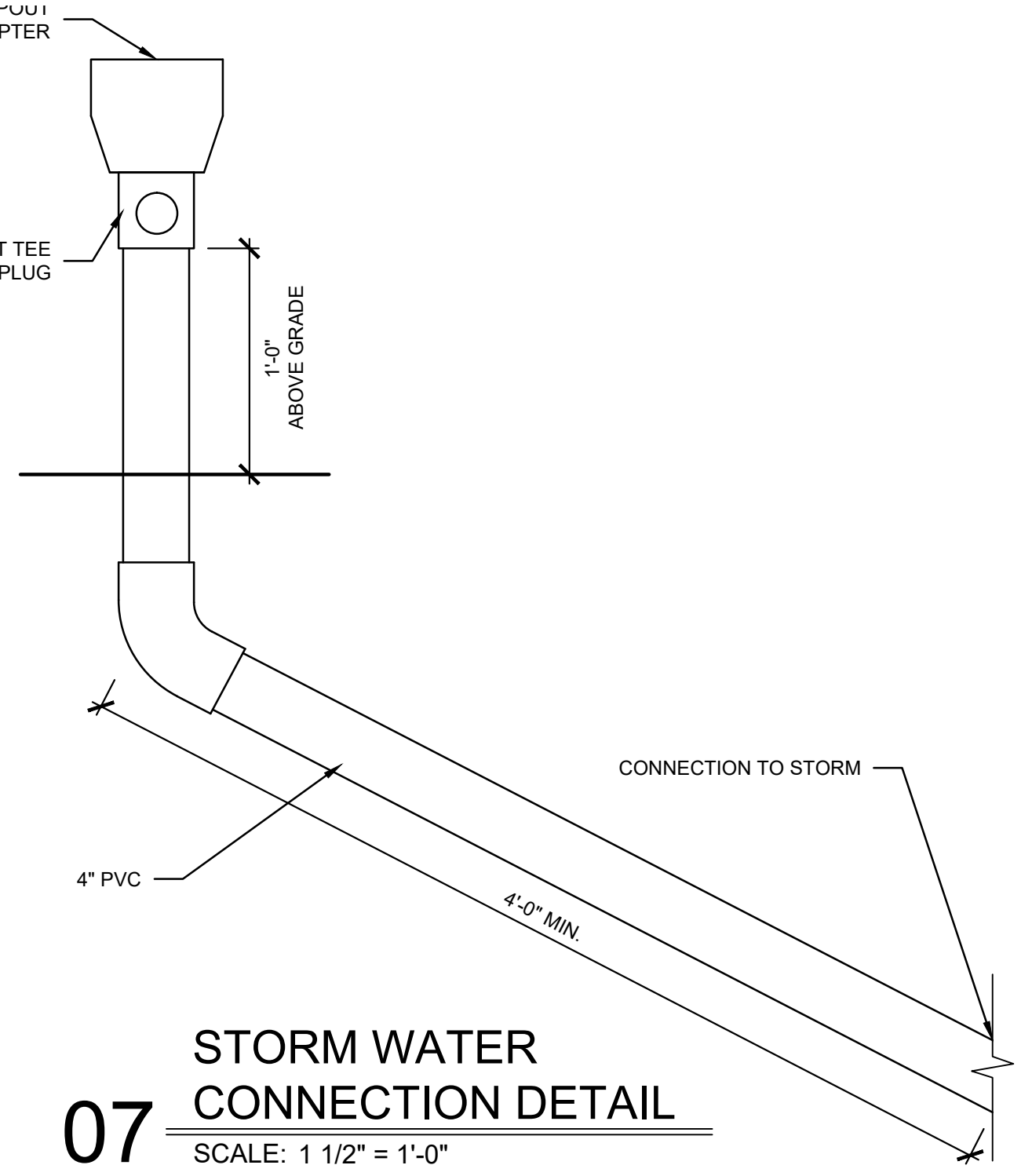
**04 MEZZANINE FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



**05 MEZZANINE FLOOR DRAIN ON RISER "B"**  
SCALE: 1/8" = 1'-0"



**06 RISER "C"**  
SCALE: 1/8" = 1'-0"



**07 STORM WATER CONNECTION DETAIL**  
SCALE: 1 1/2" = 1'-0"

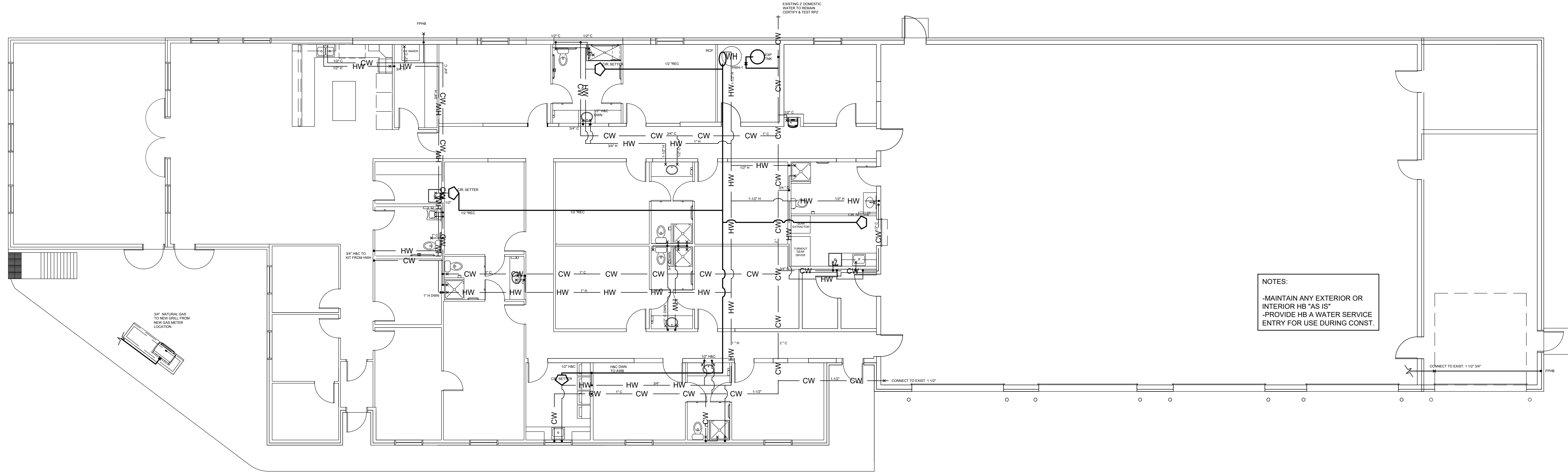
PROJECT: PLEASURE RIDGE PARK FIRE STATION 1 - FILE: P1.01 Plumbing Plan.dwg - DATE: Apr 21, 2021 2:20AM - BY: CAROLINA SOTO



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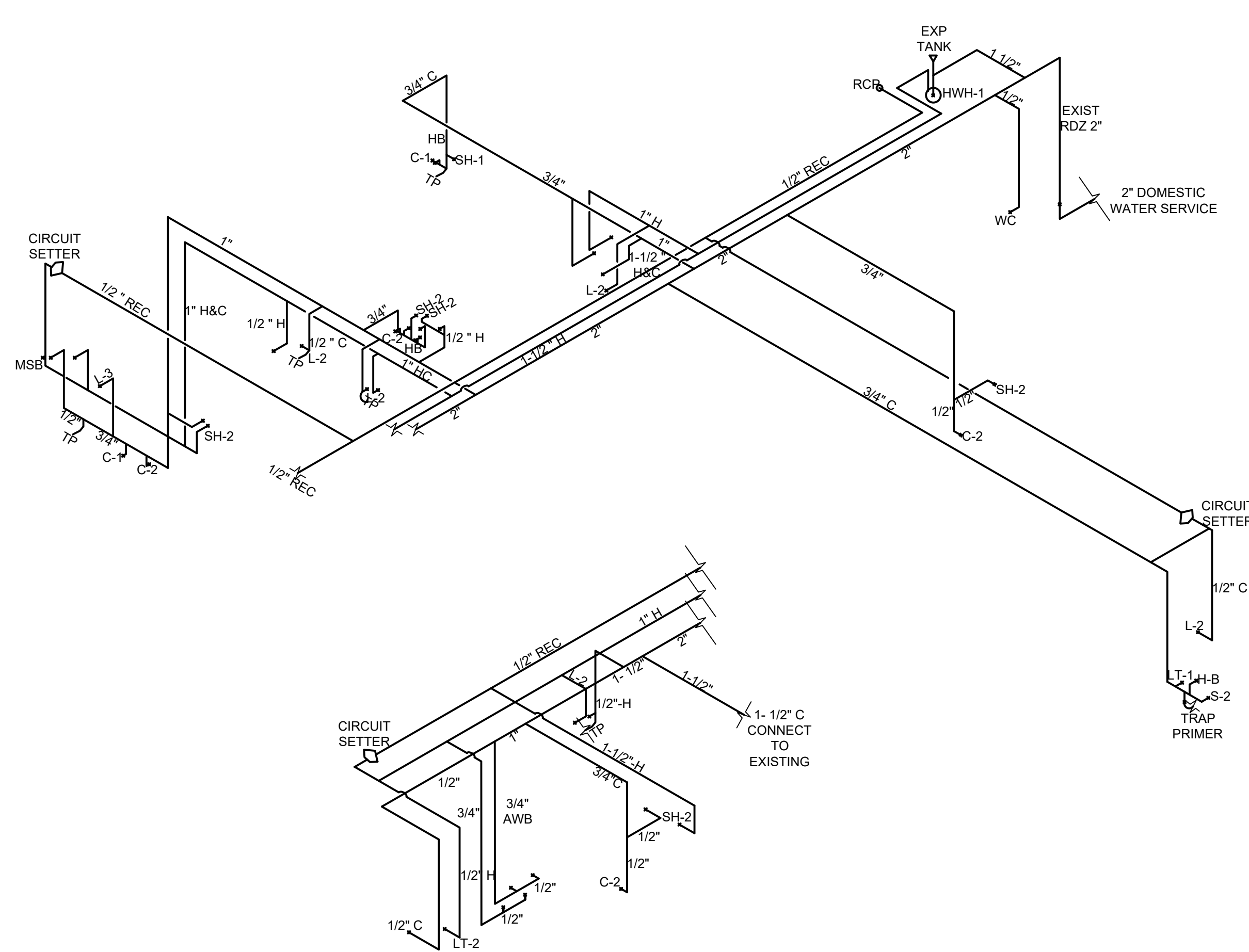
RENOVATION FOR:  
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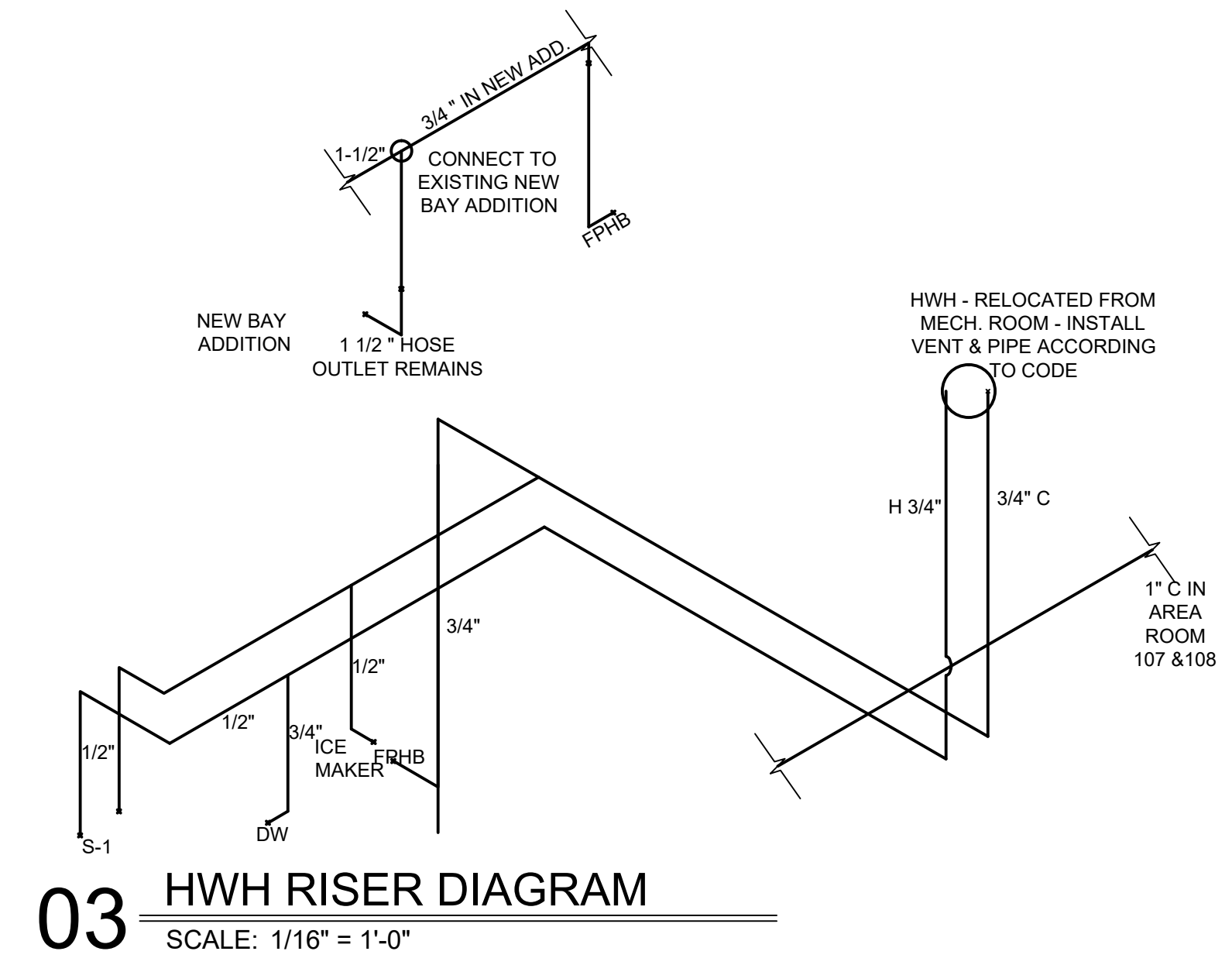


NOTES:  
-MAINTAIN ANY EXTERIOR OR INTERIOR HB 'AS IS'  
-PROVIDE HB A WATER SERVICE ENTRY FOR USE DURING CONST.

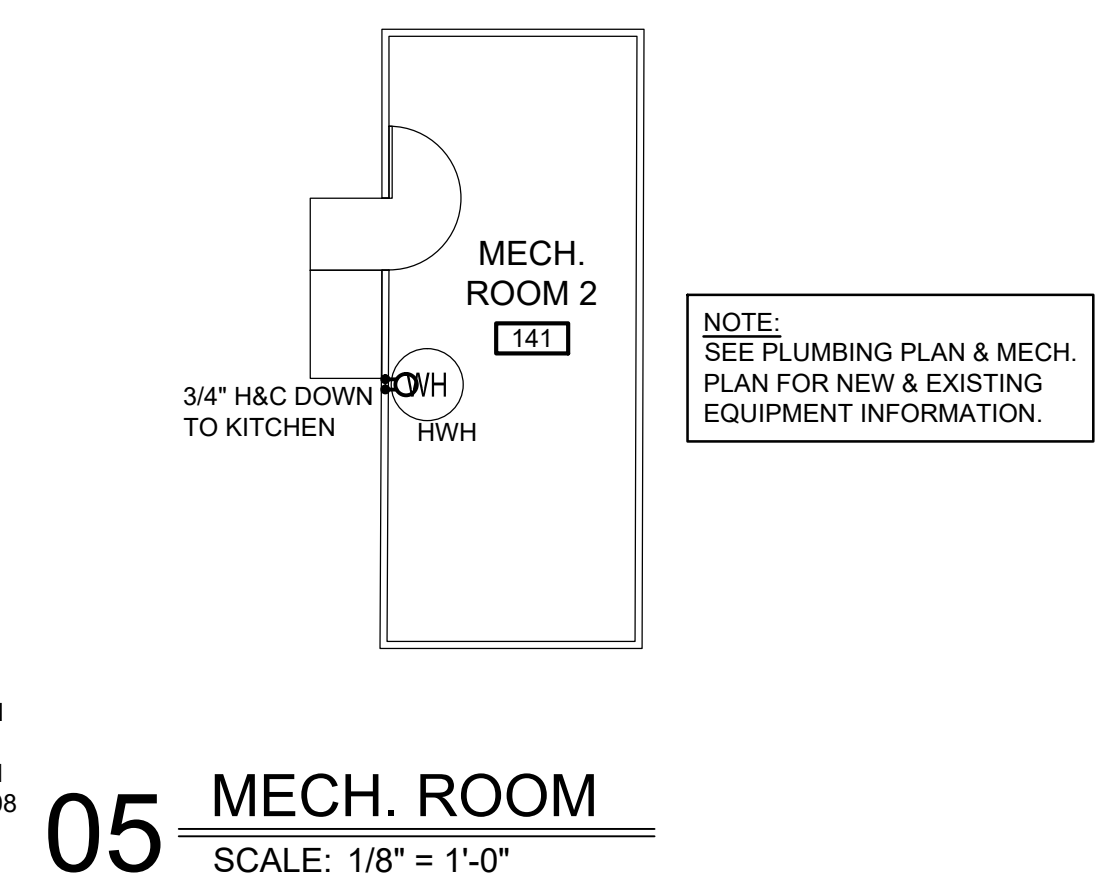
**01 DOMESTIC WATER PLAN**  
SCALE: 1/8" = 1'-0"



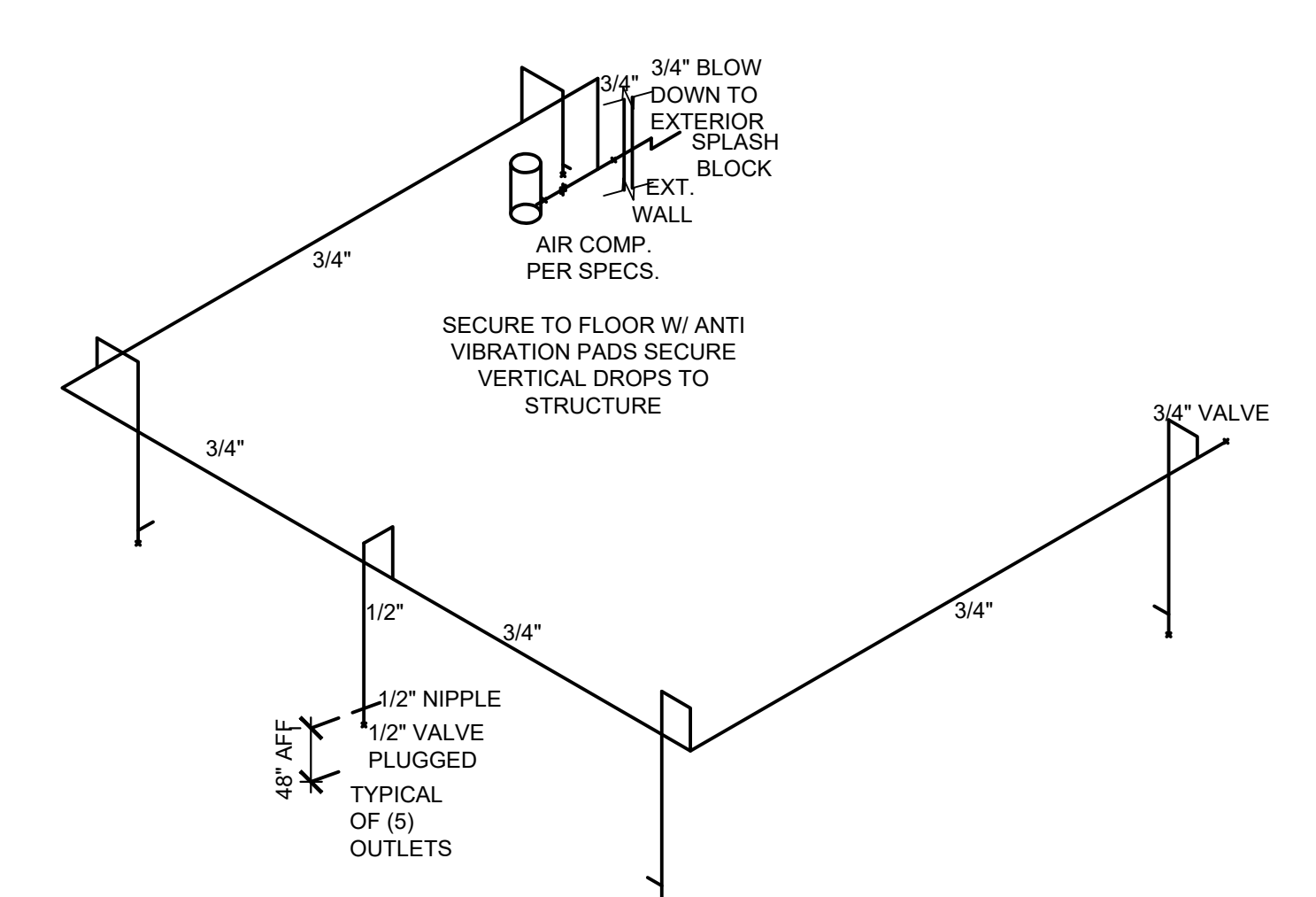
**02 WATER RISER DIAGRAM**  
SCALE: 1/16" = 1'-0"



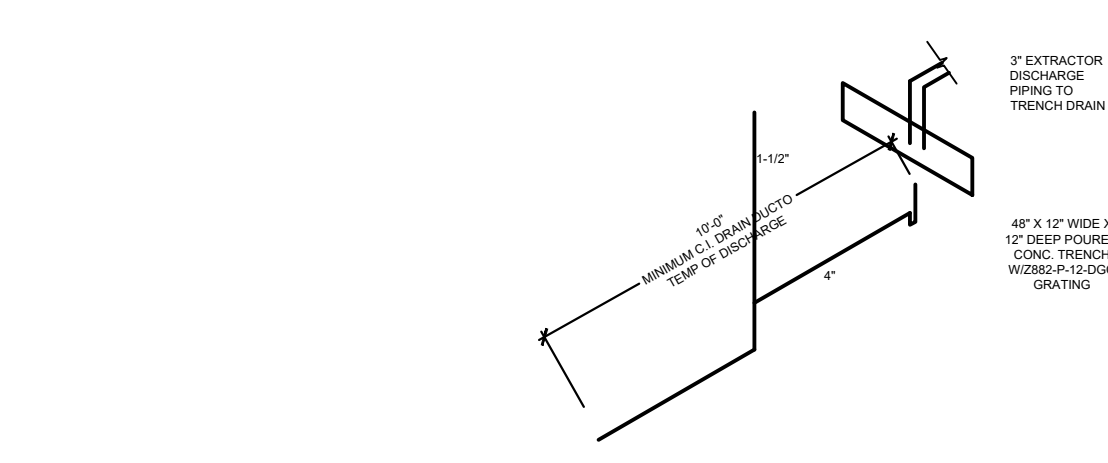
**03 HWH RISER DIAGRAM**  
SCALE: 1/16" = 1'-0"



**05 MECH. ROOM**  
SCALE: 1/8" = 1'-0"



**04 AIR PIPING**  
SCALE: 1/16" = 1'-0"



**06 TRENCH DRAIN**  
SCALE: 1/8" = 1'-0"

NOTE:  
SEE PLUMBING PLAN & MECH. PLAN FOR NEW & EXISTING EQUIPMENT INFORMATION.

IF EXTRACTOR PROVIDED PROVIDE TRENCH DRAIN  
48" X 12" WIDE X 1" DEEP FURROW DRAG TRENCH WITH 1/2" GFCI GRATING

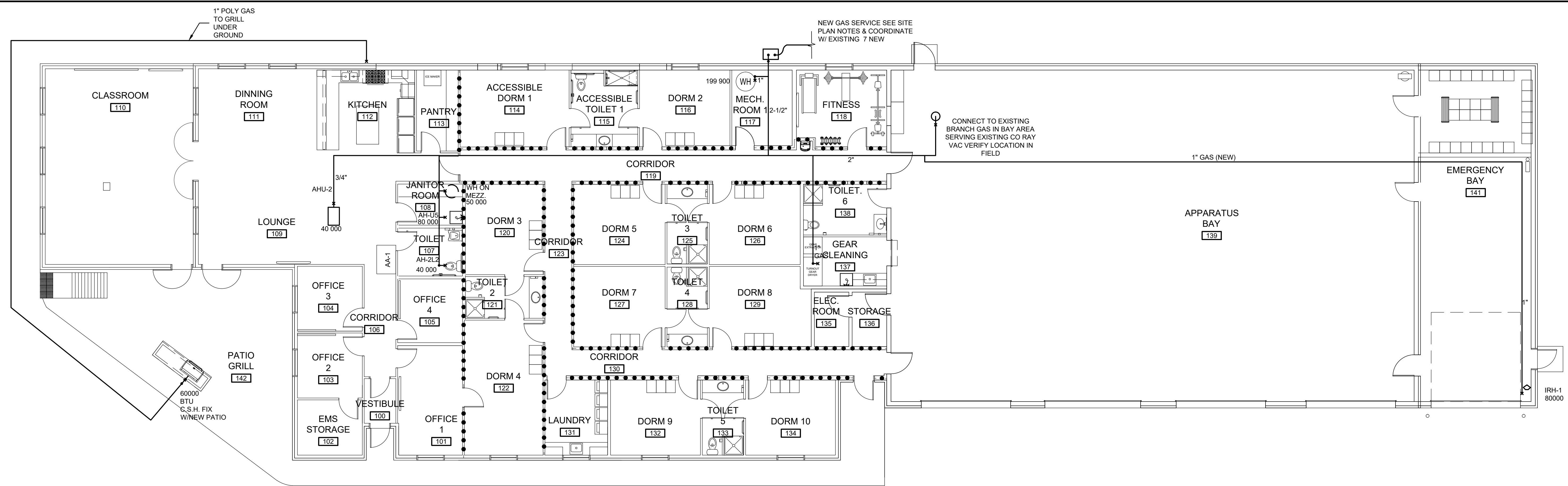
PROJECT: PLEASURE RIDGE PARK FIRE STATION 1 - FILE: P1.02 Domestic Water Plan.dwg - DATE: Apr 21, 2021 2:21 AM - BY: CAROLINA SOTO



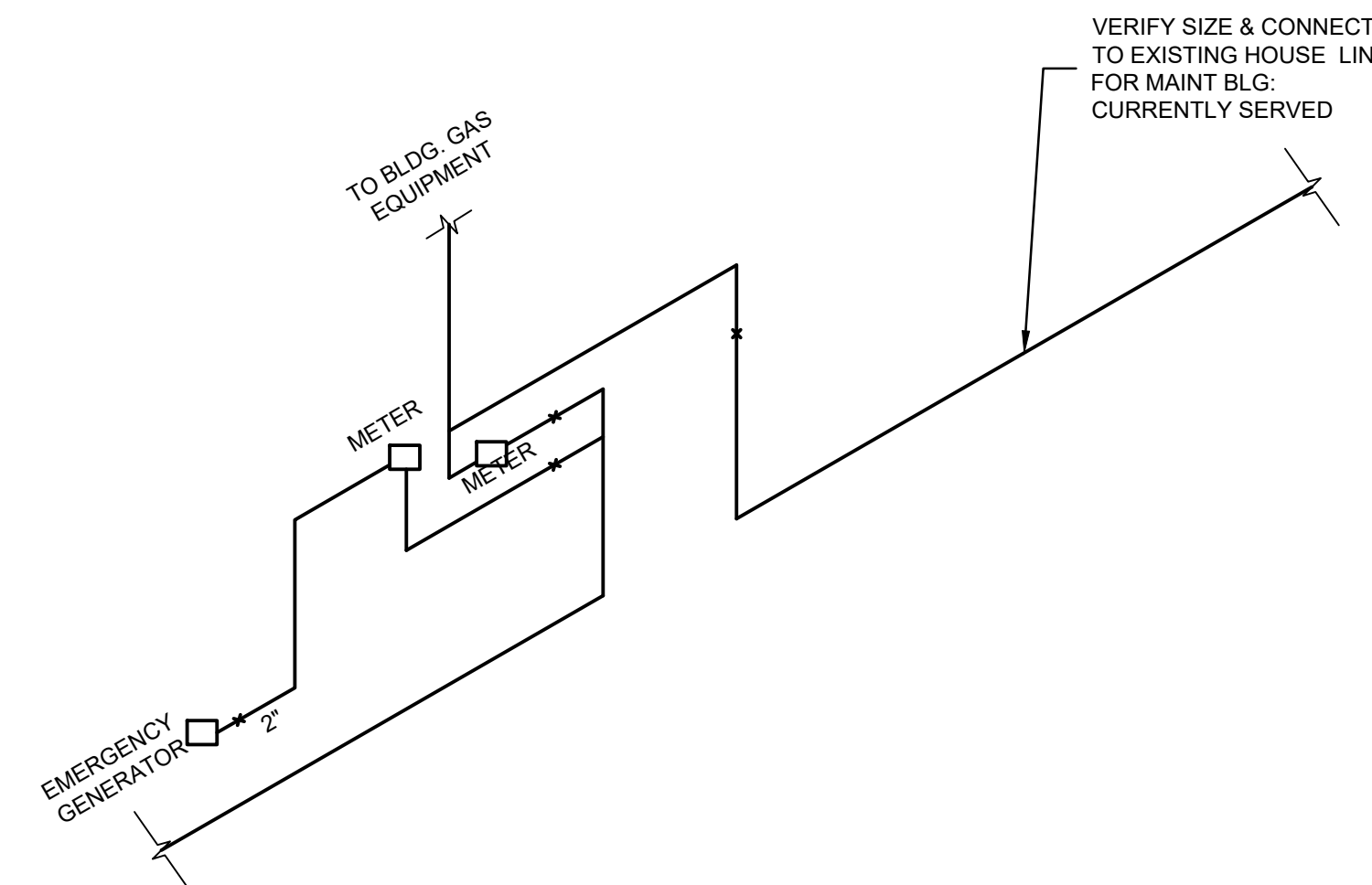
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RENOVATION FOR:  
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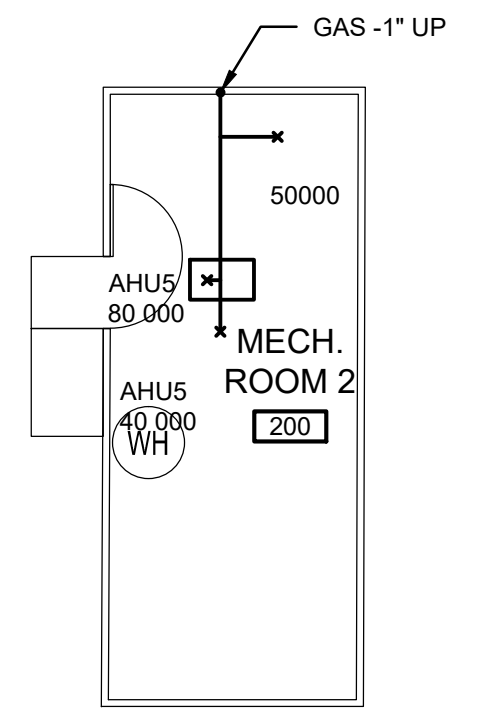


**01 GAS PIPING PLAN**  
SCALE: 1/8" = 1'-0"



**02 GAS METER PROPOSED DETAIL**  
SCALE: 1/8" = 1'-0"

TEST ALL NEW & EXISTING GAS PIPING PER LG&E NFPA & AGA REGULATIONS ENSURE TO BE SOUND & LEAK FREE.  
ALL PBLG. VENTS TO MAINTAIN PROPER CLEARANCE FROM HVAC AIR INTAKES.  
OFFSET TO PROVIDE REQUIRED SPACE AND COORDINATE W/ HVAC CONTRACTOR ON SITE



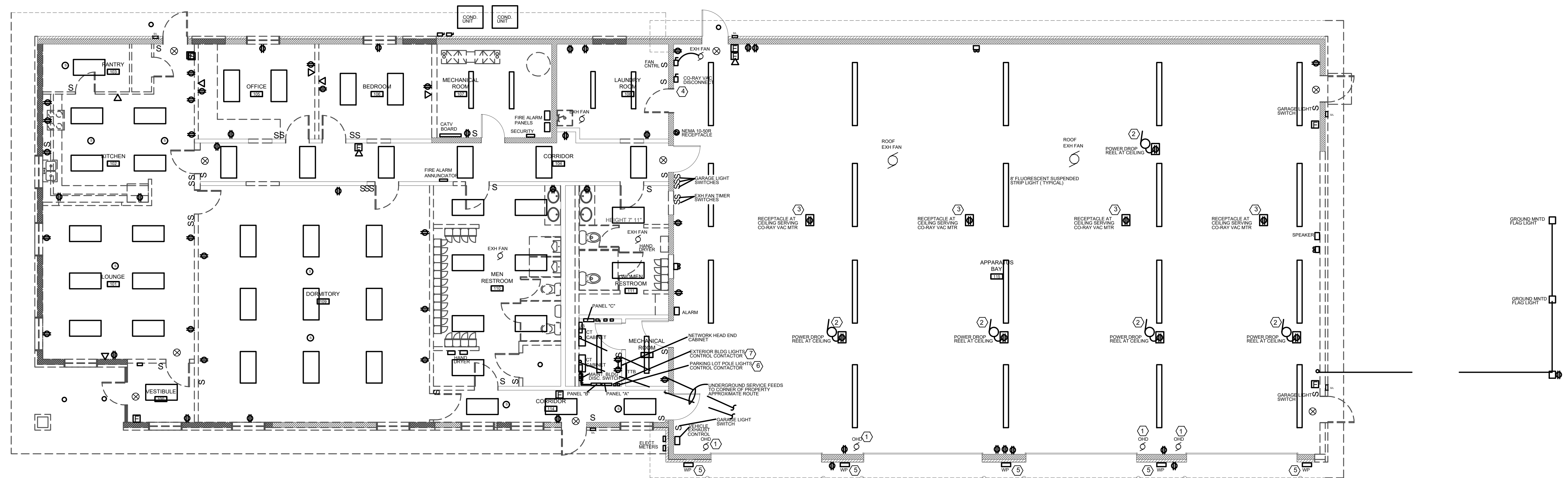
**03 MECH. ROOM**  
SCALE: 1/8" = 1'-0"

PROJECT: PLEASURE RIDGE PARK FIRE STATION 1 - FILE: P1.03 Gas Piping.dwg - DATE: Apr 21, 2021 2:21AM - BY: CAROLINA SOTO

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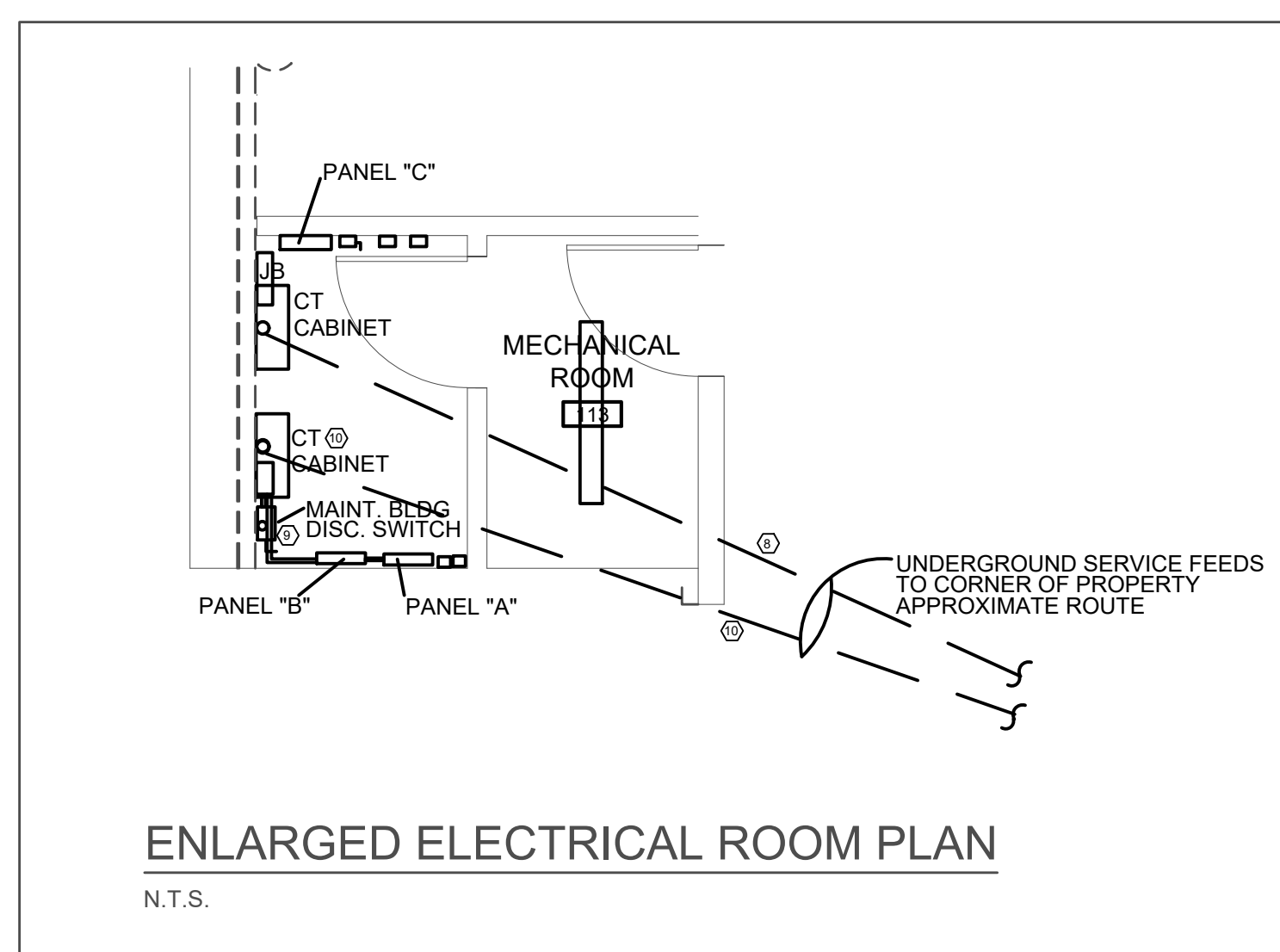
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PROJECT: PLEASURE RIDGE PARK FIRE STATION 1 - FILE: ED1.01 ELECTRICAL DEMOLITION PLAN.dwg - DATE: Apr 17, 2021 4:22PM - BY: ERNIE CRUSE



**DEMOLITION SYMBOL LEGEND**

- ◊ TELEPHONE CORD
- ⊕ ABOVE COUNTER GROUND FAULT RECEPTACLE
- ⊖ MOTOR SYMBOL
- ⊕ DUPLEX RECEPTACLE
- ⊕ EMERGENCY LIGHT
- ⊕ EXIT EXIT SIGN
- ⊕ RECESSED FLUORESCENT FIXTURE
- RECESSED DOWNLIGHT
- SECURITY CAMERA
- STOP LIGHT
- CEILING IMAGE DETECTOR
- ⊕ FIRE ALARM PULL STATION
- ⊕ LIGHT SWITCH
- ⊕ OVERHEAD DOOR MOTOR
- ⊕ WALL PACK LIGHT
- ⊕ TELEPHONE TERMINAL BOARD

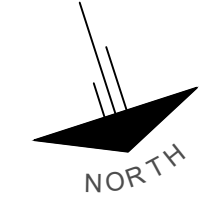
**GENERAL ELECTRICAL DEMOLITION NOTES:**

1. ALL ELECTRICAL DEMOLITION SHALL FOLLOW APPLICABLE GUIDELINES PER THE NATIONAL ELECTRICAL CODE.
2. IT IS THE INTENT THAT THE MAJORITY OF THE EXISTING ELECTRICAL EQUIPMENT IS TO BE REMOVED OR REPLACED. REMOVE ALL ELECTRICAL EQUIPMENT AND ASSOCIATED CONDUITS AND WIRING UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL VISIT THE SITE TO VERIFY ALL EXISTING CONDITIONS. IT SHOULD BE UNDERSTOOD THAT ONLY THE PRIMARY ITEMS ARE SHOWN ON THE DEMOLITION PLAN. THE EXISTING WIRING AND CONDUIT RUNS ARE NOT SHOWN BUT PROVISIONS SHALL BE MADE IN THE CONTRACTORS BID TO COVER REMOVAL OR REWORK AS REQUIRED ACCORDING TO THE DEMOLITION AND NEW WORK PLANS.
4. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL MATERIALS. COORDINATE WITH THE GENERAL CONTRACTOR FOR ON SITE DUMPSTER.
5. WHERE AN EXISTING SYSTEM NOT INDICATED ON THE PLAN IS AFFECTED BY DEMOLITION OF THE DEVICES AND COMPONENTS SHOWN, CONTRACTOR SHALL MAKE PROVISIONS TO PRESERVE THESE EXISTING SYSTEMS AND DISCUSS THE DETERMINATION OF THE SYSTEM WITH THE PROJECT ARCHITECT AND OR ENGINEER PRIOR TO DEMOLITION.
6. WHERE DEMOLITION OF AN EXISTING ELECTRICAL DEVICE MAY AFFECT THE EXISTING OR NEW FINISHES IN AN ADJACENT AREA, ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR FOR PATCHING AND REPAIRING THE EXISTING SURFACE AS REQUIRED TO MATCH THE NEW FINISHES.

**ELECTRICAL DEMOLITION SHEET NOTES**

1. PRESERVE EXISTING OVERHEAD DOOR MOTOR AND ALL ASSOCIATED CONTROLS AND EQUIPMENT. THESE ARE TO BE RE-FED AS RE-USED IN THE NEW WORK PLAN.
2. PRESERVE EXISTING RECEPTACLES FEEDING POWER DROP REEL AND REEL. THESE ARE TO BE RE-FED IN NEW WORK PLAN.
3. PRESERVE EXISTING RECEPTACLES FEEDING CO-RAY VAC MOTORS AND ALL ASSOCIATED CO-RAY VAC EQUIPMENT. THESE ARE TO BE RE-FED IN THE NEW WORK PLAN.
4. CO-RAY VAC SYSTEM TO BE PRESERVED AND RE-FED IN NEW WORK PLAN. FIELD VERIFY POWER FEED FOR INTERCEPTION IN NEW WORK PLAN.
5. REMOVE EXISTING WALL PACKS AND PRESERVE CONDUIT AND WIRING BACK TO EXISTING CONTACTOR IN ELECTRICAL ROOM. THESE J-BOXES AND CIRCUITS ARE TO BE RE-USED FOR NEW LIGHTING GOING IN THE SAME LOCATIONS.
6. EXISTING POWER FEEDS TO PARKING LOT POLE LIGHTS TO BE PRESERVED INCLUDING UNDERGROUND CONDUITS AND CONTACTOR SERVING THE EXISTING PARKING LOT POLE LIGHTS.
7. PRESERVE EXISTING BUILDING MOUNTED EXTERIOR LIGHTING CONTACTOR. CONDUITS AND WIRING FEEDS TO BUILDING MOUNTED EXTERIOR LIGHTING TO BE RE-USED IN NEW WORK PLAN. REFER TO NEW LIGHTING PLAN.
8. EXISTING 3 PHASE DELTA SERVICE AND ALL ASSOCIATED EQUIPMENT AND WIRING TO BE REMOVED COMPLETE. EXISTING UNDERGROUND CONDUITS ARE TO REMAIN AND BE CUT OFF AND CAPPED AT FLOOR LEVEL. WEATHER HEAD AND SERVICE DROP CONDUIT AT NORTH CORNER OF PROPERTY TO BE REMOVED AND CUT DOWN TO GRADE.
9. DISCONNECT AND UNDERGROUND CONDUIT TO BE RE-USED IN NEW WORK PLAN. PRESERVE EXISTING POWER FEED TO MAINTENANCE BUILDING DURING DEMOLITION AND DO NOT INTERRUPT SERVICE TO MAINTENANCE BUILDING DURING DEMOLITION. THE INTENT IS TO RE-USE THE EXISTING UNDERGROUND FEED TO MAINTENANCE BUILDING AND RE-FEED IT FROM THE NEW ELECTRICAL SERVICE. EXISTING SERVICE IS REMAIN UNTIL A PLANNED COORDINATED TRANSFER TO THE NEW ELECTRICAL SERVICE CAN BE ARRANGED TO MINIMIZE THE MAINTENANCE BUILDING DOWN TIME. COORDINATE WITH OWNER TO ARRANGE SERVICE TRANSFER AFTER THE NEW ELECTRICAL SERVICE IS UP AND RUNNING COMPLETE.
10. EXISTING 120/240 VOLT SINGLE PHASE SERVICE IS TO BE REMOVED COMPLETE AFTER TRANSFER OF POWER FEEDING THE MAINTENANCE BUILDING HAS BEEN TRANSFERRED TO THE NEW ELECTRICAL SERVICE AFTER TRANSFER REMOVE ALL ASSOCIATED EQUIPMENT. EXISTING UNDERGROUND CONDUITS ARE TO REMAIN AND BE CUT OFF AND CAPPED AT FLOOR LEVEL. WEATHER HEAD AND SERVICE DROP CONDUIT AT NORTH CORNER OF PROPERTY TO BE REMOVED AND CUT DOWN TO GRADE.

**01 DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"

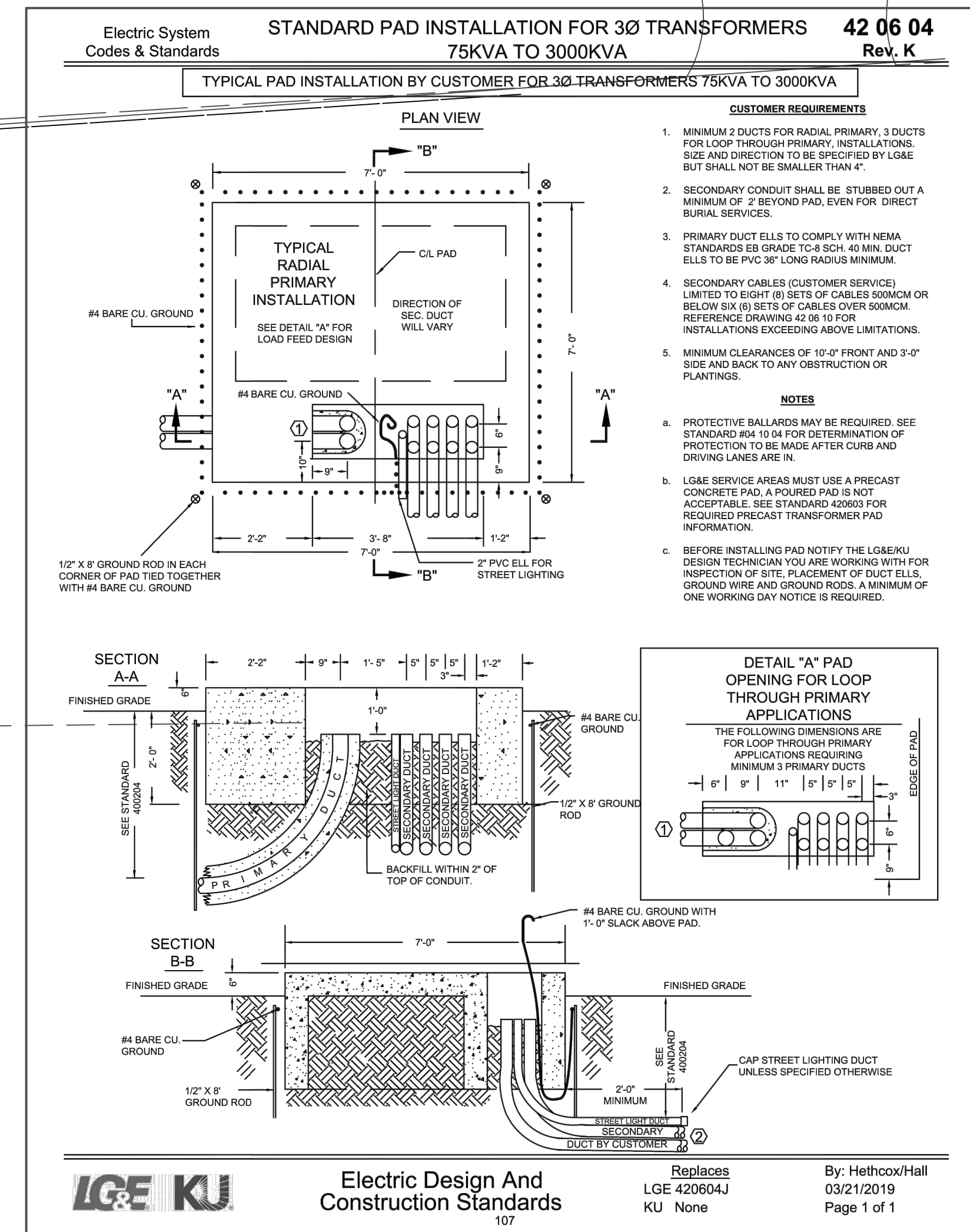
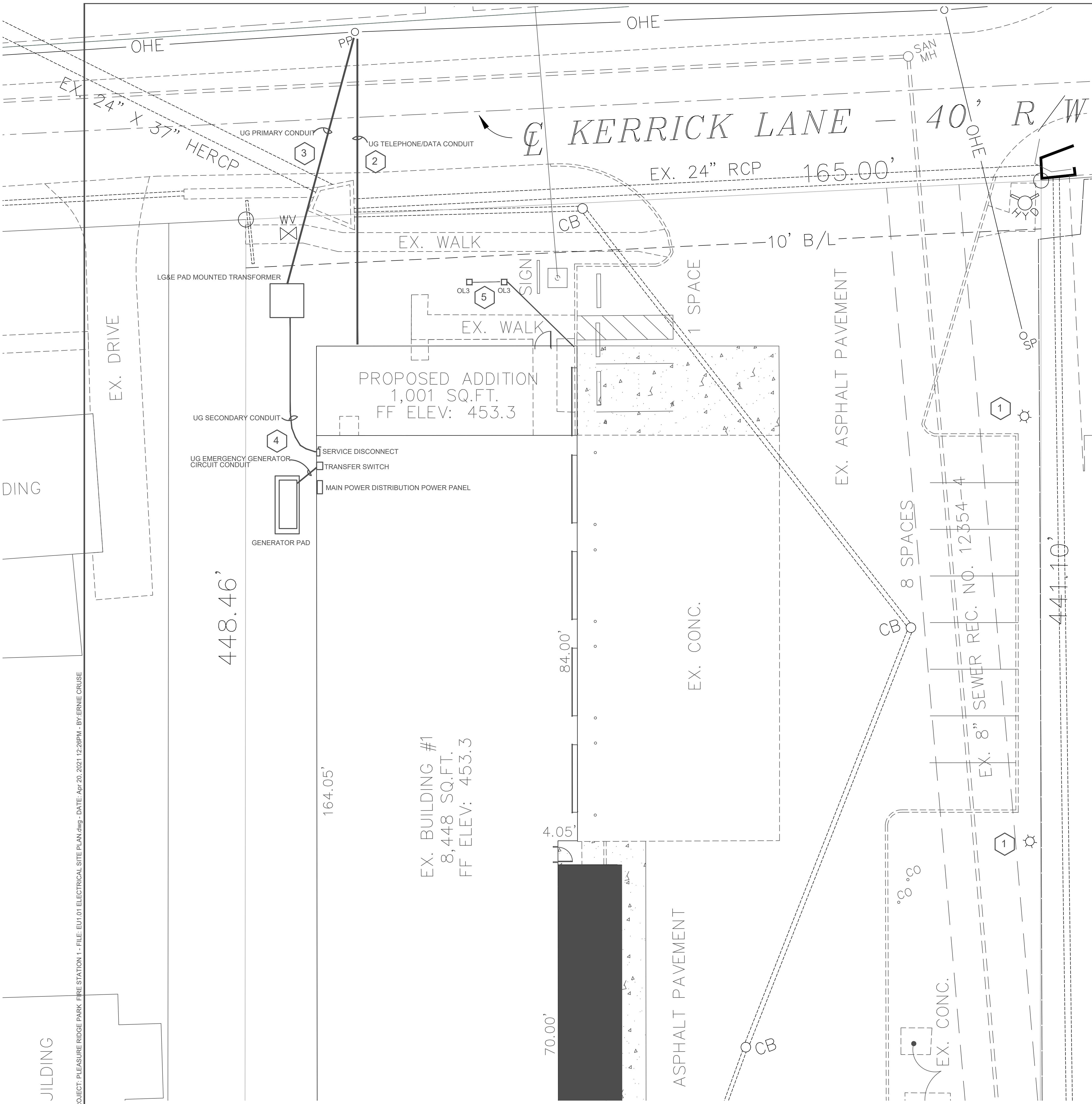


RENOVATION FOR:  
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DEMOLITION PLAN  
**ED1.01**

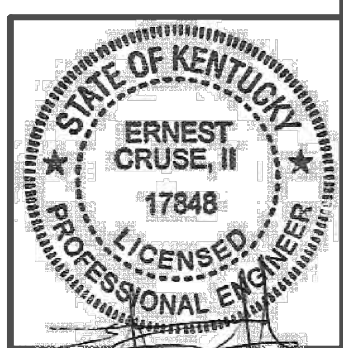




**ELECTRICAL SITE PLAN KEYNOTES**

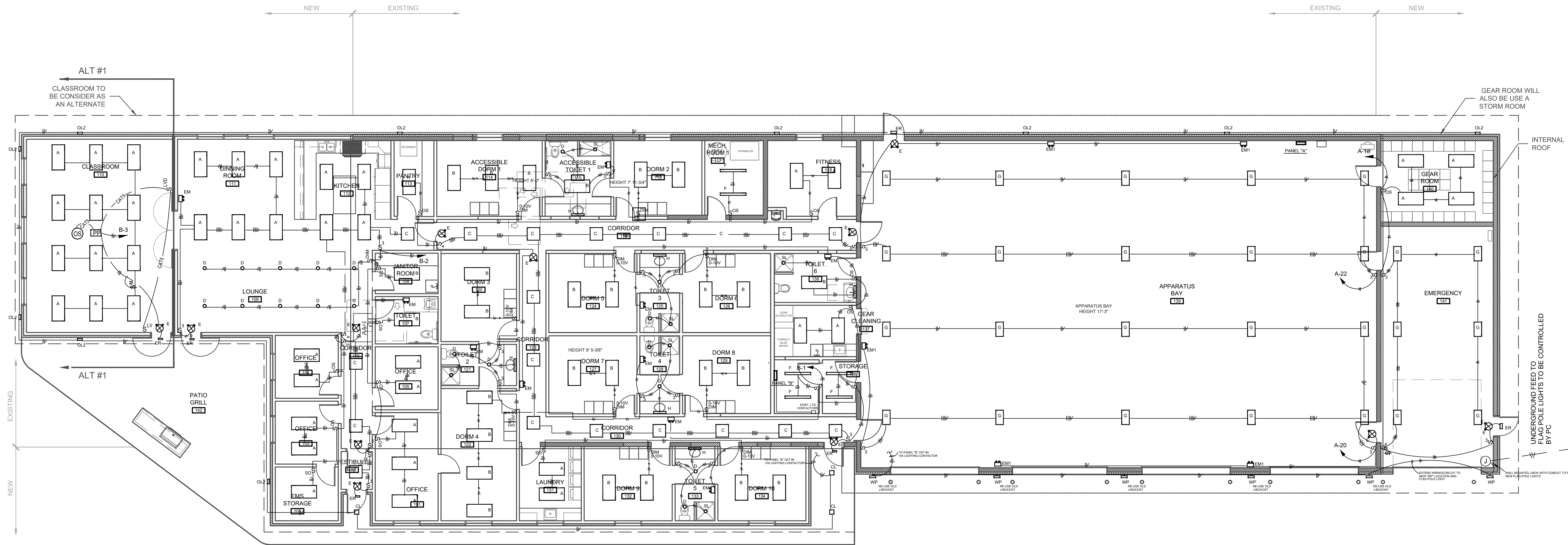
- REPLACE EXISTING HID LIGHTING HEAD ON EXISTING POLE WITH NEW TYPE OL1. EXISTING CIRCUIT WIRING TO BE PRESERVED AND RE-USED. FIELD VERIFY. TOTAL OF 4 POLES TO BE ADDRESSED.
- NEW 4" PVC UNDERGROUND TELEPHONE SERVICE TO BUILDING. CUT AND PATCH EXISTING PAVEMENT AS REQUIRED. COORDINATE WITH CITY AS REQUIRED TO PERFORM NECESSARY WORK. FIELD VERIFY AND COORDINATE ROUTING WITH EXISTING UNDERGROUND WATER, SEWER AND OTHER EXISTING UTILITIES TO MISS THEM AND ROUTE CONDUIT. RESTORE PAVEMENT AND ANY OTHER DISTURBED CONCRETE TO ORIGINAL CONDITION.
- NEW 4" PVC UNDERGROUND PRIMARY ELECTRICAL SERVICE TO BUILDING. CUT AND PATCH EXISTING PAVEMENT AS REQUIRED. COORDINATE WITH CITY AS REQUIRED TO PERFORM NECESSARY WORK. FIELD VERIFY AND COORDINATE ROUTING WITH EXISTING UNDERGROUND WATER, SEWER, STORM AND OTHER EXISTING UTILITIES TO MISS THEM AND ROUTE CONDUIT. RESTORE PAVEMENT AND ANY OTHER DISTURBED CONCRETE TO ORIGINAL CONDITION. CONCRETE ENCASE UNDERGROUND PRIMARY PER LG&E STANDARD REQUIREMENTS.
- APPROXIMATE ROUTING OF NEW UNDERGROUND ELECTRICAL SERVICE SECONDARY AND GENERATOR CONDUITS. MINIMUM BURY 36" AND EXCAVATE EXISTING GROUND AS NEEDED FOR INSTALLATION. PROVIDE MARKER TAPE ON TRENCH. REFER TO POWER RISER DIAGRAM FOR WIRING AND CONDUITS REQUIRED.
- INSTALL TWO TYPE OL3 FLOOD LIGHTS TO ACCENT RELOCATED/NEW FLAG. FIELD VERIFY FINAL LOCATION OF FLAG AND GROUND MOUNT THE OL3 FIXTURES AT 4' FROM POLE BASE AT 180 DEGREES.

**01 ELECTRICAL SITE UTILITY PLAN**  
SCALE: 1" = 10'



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LIGHT FIXTURE SCHEDULE :

# 01 LIGHTING PLAN

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

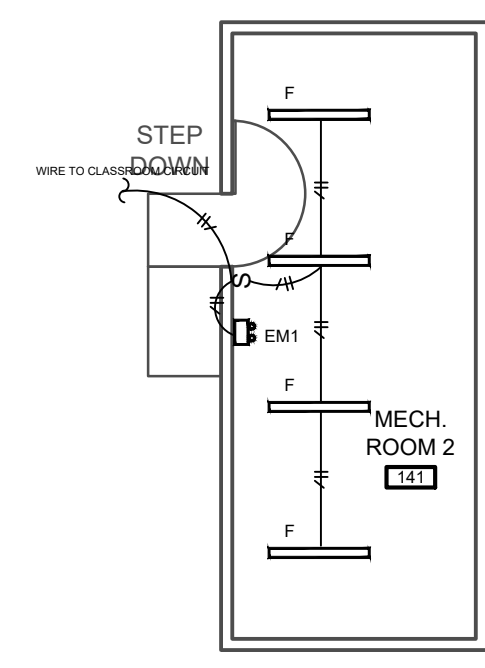
### LIGHTING SYMBOL LEGEND

- ⊠ SINGLE POLE LINE VOLTAGE SWITCH
- ⊡ THREE WAY SWITCH
- ⊣ FOUR WAY SWITCH
- ⊞ LINE VOLTAGE SWITCH TYPE OCCUPANCY SENSOR
- ⊞ NON-DIMMING SINGLE ZONE POWER PACK -WATTSTOPPER LMRC-101
- ⊞ CEILING OCCUPANCY SENSOR - WATTSTOPPER LMDC-100
- ⊞ LOW VOLTAGE TWO BUTTON SWITCH - WATTSTOPPER LMSW-102
- ⊞ LOW VOLTAGE DIMMER SWITCH - WATTSTOPPER LMDM-100
- ⊞ CAT 5 CABLE RUN WITH RJ45 PRE-TERMINATED CONNECTORS
- ⊞ 3-#12 IN 3/4" CONDUIT OR MC CABLE UNLESS NOTED OTHERWISE
- ⊞ CIRCUIT HOMERUN TO ELECTRICAL PANEL WITH 3-#12 IN 3/4 EMT/MC UNLESS OTHERWISE INDICATED
- ⊞ LINE VOLTAGE DIMMER FORWARD PHASE TYPE
- ⊞ LINE VOLTAGE DIMMER 0-10 VOLT TYPE

## GENERAL LIGHTING NOTES

1. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
2. WIRE ALL EMERGENCY LIGHTING FIXTURES AHEAD OF LOCAL AREA SWITCHING.
3. COORDINATE EXACT FIXTURE PLACEMENT WITH OTHER EQUIPMENT IN THE CEILING SPACE.
4. MINIMUM WIRE SIZE SHALL BE #12 COPPER. MAXIMUM 3 CIRCUITS PER HOME RUN EACH SHALL HAVE SEPARATE NEUTRAL.
5. CONTRACTOR MAY USE MC CABLE ABOVE ACCESSIBLE CEILINGS. ALL EXPOSED CONDUIT SHALL BE IN EMT CONDUIT OR PVC UNDERGROUND.

TYPE	DESCRIPTION	MODEL	LUMENS/COLOR TEMP	REMARKS	120V
A	RECESSED 2X4 LED FLAT PANEL GRID TYPE LAY-IN FIXTURE	METALUX # 24FR753C TOS # EQUAL LIGHTTOLER # EQUAL	4900 LUMENS 3500 KELVIN	CLIP FIXTURE TO CEILING GRID WITH EARTHQUAKE CLIPS	120V
B	RECESSED 2X4 LED FLAT PANEL GRID TYPE LAY-IN FIXTURE	METALUX # 24FR235C TOS # EQUAL LIGHTTOLER # EQUAL	3400 LUMENS 3500 KELVIN	CLIP FIXTURE TO CEILING GRID WITH EARTHQUAKE CLIPS	120V
C	RECESSED 2X2 LED FLAT PANEL GRID TYPE LAY-IN FIXTURE	METALUX # 22FR235C TOS # EQUAL LIGHTTOLER # EQUAL	3300 LUMENS 3500 KELVIN	CLIP FIXTURE TO CEILING GRID WITH EARTHQUAKE CLIPS	120V
D	6" LED RECESSED DOWN LIGHT	COOPER # 17500WH255SH750CAT PRESCOLITE # EQUAL LIGHTTOLER # EQUAL	1200 LUMENS 5000 KELVIN		120V
E	THERMO PLASTIC COMBINATION EXIT EMERGENCY LIGHT	COOPER # APT0R DUALITE # EQUAL EVENLITE # EQUAL	INCLUDED	WIRE FIXTURE AHEAD OF AN LOCAL AREA SWITCHING	120V
EM	MINI SURFACE LED EMERGENCY LIGHT	ALLPRO # APEL DUALITE # EQUAL EVENLITE # EQUAL	LAMPS INCLUDED	WIRE FIXTURE AHEAD OF AN LOCAL AREA SWITCHING	120V
EM1	2 HEADED SURFACE LED EMERGENCY LIGHT	SURELITE # BELSO DUALITE # EQUAL EVENLITE # EQUAL	LAMPS INCLUDED	WIRE FIXTURE AHEAD OF AN LOCAL AREA SWITCHING	120V
ER	LINE VOLTAGE EXTERIOR WET LOCATION EGRESS LIGHT	COOPER # BELV252Z DUALITE # EQUAL EVENLITE # EQUAL	LAMPS INCLUDED	WIRE FIXTURE AHEAD OF AN LOCAL AREA SWITCHING MOUNT FIXTURE ON WALL ABOVE EXTERIOR EGRESS DOOR	120V
F	SURFACE LOW PROFILE LED STRIP LIGHT	METALUX # A57L404R EQUALITE # EQUAL LIGHTTOLER # EQUAL	4400 LUMENS 4000 KELVIN	SURFACE MOUNT TO CEILING J-BOX	120V
G	CHAIN CABLE SUSPENDED LED HIGHBAY WITH LENS	COOPER # OHS-2485E-W-LUNN-L740-CD-C3 CRE # EQUAL EVEREADY # EQUAL	24000 LUMENS 4000 KELVIN	PROVIDE CEILING J-BOX FED FROM ATTIC SPACE ABOVE AND CABLE SUSPEND FIXTURE 12 INCHES BELOW CEILING WIRE CORD TO J-BOX	120V
H	SURFACE WALL MOUNTED LED DECORATIVE VANTY LIGHT WITH MATTE SILVER FINISH	BROWNLEE # 5175-36-BN-HGS-35K OXYGEN # EQUAL LIGHTTOLER # EQUAL	2500 LUMENS 3500 KELVIN	MOUNT ON WALL ABOVE MIRROR	120V
WP	LARGE LOW PROFILE LED WALL PACK WITH FULL CUT OFF	PL # 070448 BEGA # EQUAL	10500 LUMENS 4000 KELVIN	MOUNT ABOVE AND IN BETWEEN GARAGE DOOR AT EXISTING BOX LOCATIONS WHERE APPLICABLE	120V
CL	J-BOX MOUNTED SURFACE CEILING SQUARE WITH CAST GUARD AND MOLDED GLASS DIFFUSER	PL # 071100 BEGA # EQUAL	2300 LUMENS 4000 KELVIN	MOUNT TO RECESSED J-BOX- PROVIDE BLOCKING BACKING TO SUPPORT FIXTURE	120V
SL	6" RECESSED LED SHOWER LIGHT	EATON # H750CTA1500W#935 PROGRESS # EQUAL LIGHTTOLER # EQUAL	1500 LUMENS 3500 KELVIN		120V
DL1	RETRORFIT LED BRACKET STYLE AREA LIGHT WITH UNIVERSAL MOUNTING ARM IN BRONZE FINISH	COOPER # PRO-AL-C100-D-74-3A-BZ CRE # EQUAL HUBBLE # EQUAL	3100 LUMENS 4000 KELVIN	MOUNT HEAD TO EXISTING POLE- RE-USE EXISTING CIRCUIT	120V
DL2	SMALL LOW PROFILE LED WALL PACK WITH FULL CUT OFF	PL # 070441 BEGA # EQUAL	3600 LUMENS 4000 KELVIN	VERIFY FINAL MOUNTING ELEVATION WITH ARCHITECT- DO NOT BROWN IN UNITS- VERIFY WITH ARCHITECT	120V
DL3	JUNCTION BOX/GROUND MOUNTED FLOOD LIGHT	PL # 070475 BEGA # EQUAL	1389 LUMENS 4000 KELVIN	PROVIDE SURFACE FB BOX TO MOUNT FIXTURE TO SUPPORT BOX PER NEC TO GROUND MOUNTED CONDUITS	120V



NOTE: SEE PLUMBING PLAN AND MECH. PLAN FOR NEW EQUIPMENT INFORMATION

## 02 MEZZANINE FLOOR PLAN

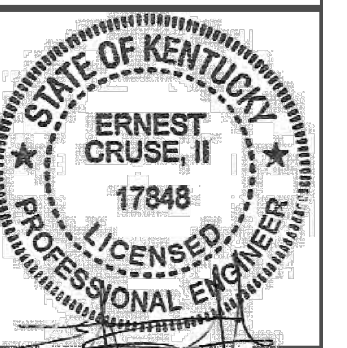
SCALE: 1/8" = 1'-0"

**NOTE:** ALL DIMENSIONS ARE TO FACE OF STUD

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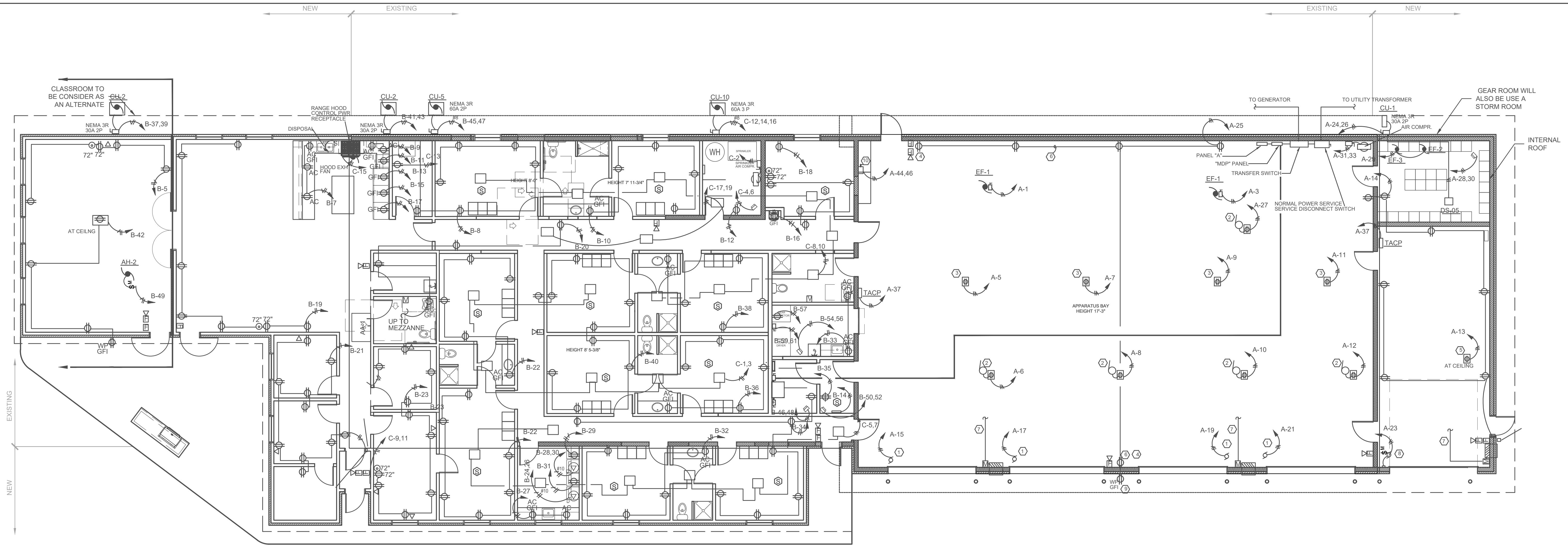
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**KEYES ARCHITECTS & ASSOCIATES**  
 4717 PRESTON HIGHWAY  
 LOUISVILLE, KENTUCKY 40213 (502) 636-5113

RENOVATION FOR:  
**PLEASURE RIDGE PARK  
 FIRE STATION 1**  
 4500 KERRICK LN.  
 LOUISVILLE, KY 40258



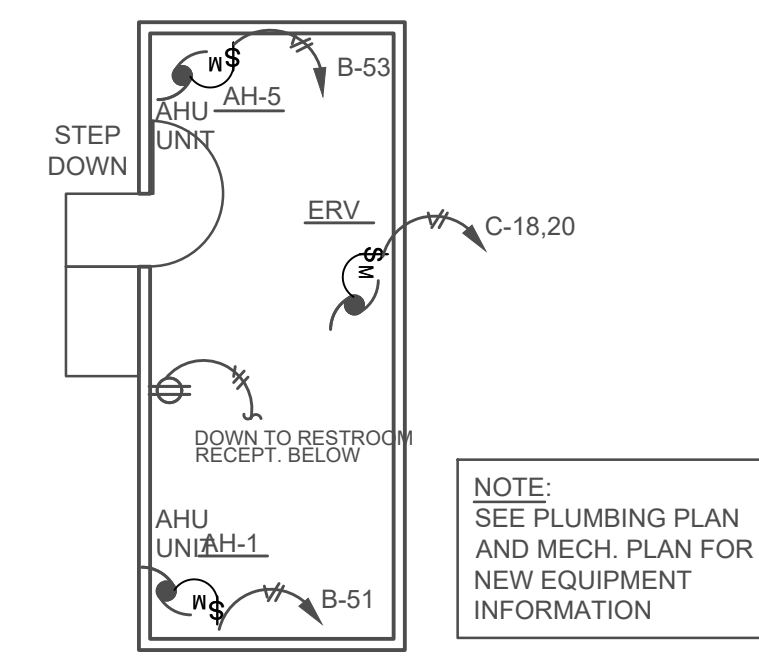
**01 POWER PLAN**  
SCALE: 1/8" = 1'-0"

**SYMBOL LEGEND**

- DUPLEX RECEPTACLE 15" A.F.F.
- EXISTING OUTLET LOCATION TO BE RE-USED & REPLACED
- SINGLE GANG DATA OUTLET WITH CONDUIT STUB TO ACCESSIBLE POINT 15" AFF
- ROUGH-IN FOR CATV OUTLET
- QUAD RECEPTACLE 15" A.F.F.
- 208 VOLT SINGLE PHASE 30 AMP DRYER RECEPTACLE - FOR THE PURPOSES OF BIDDING ASSUME NEMA 6-30R RECEPTACLE ( VERIFY WITH EQUIPMENT)
- MOTOR SYMBOL
- ABOVE COUNTER
- GFI GROUND FAULT TYPE RECEPTACLE
- WP WEATHER PROOF IN USE COVER
- J-BOX WITH POWER EXTENSION TO LOAD
- 
- 
- 
- E.F. EXHAUST FAN
- DISCONNECT SWITCH
- MOTOR DISCONNECT FRACTIONAL HORSEPOWER
- CEILING SMOKE DETECTOR - 120 VOLT ION/PHOTO TYPE
- FIRE ALARM MANUAL PULL STATION
- FIRE ALARM AUDIO VISUAL HORN
- FIRE ALARM VISUAL ONLY ALARM
- FIRE ALARM MAIN CONTROL PANEL

**GENERAL POWER NOTES**

1. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
2. MINIMUM WIRE SIZE SHALL BE #12 COPPER. COORDINATE WITH EQUIPMENT ACTUAL WIRE SIZES BASED ON EQUIPMENT NAME PLATE RATINGS.
3. ALL EXPOSED CONDUIT BELOW 10' SHALL BE EMT TYPE. MC CABLE ALLOWED ABOVE CEILINGS AND IN STRUCTURAL AREA OF CEILINGS. SCHEDULE 40 PVC FOR U.G. CONDUIT.
4. COORDINATE WITH MECHANICAL CONTRACTOR FOR REQUIRED CONTROL WIRING ASSOCIATED WITH HVAC EQUIPMENT.
5. PROVIDE PANELBOARD CIRCUIT DIRECTORIES WHICH MATCH FIELD WIRING/CIRCUITING FOR EACH POWER DISTRIBUTION PANEL.
6. CONTRACTOR IS ENCOURAGED TO VISIT THE SITE PRIOR TO BIDDING TO VERIFY ALL EXISTING CONDITIONS AND REQUIREMENTS ASSOCIATED WITH ACCOMPLISHING STATED SCOPE OF WORK.
7. VERIFY ALL POWER AND WIRING REQUIREMENTS WITH ACTUAL EQUIPMENT SUPPLIED TO ENSURE THAT PROPER OVER-CURRENT PROTECTION AND WIRING IS PROVIDED. THE DRAWING POWER REQUIREMENTS ARE FOR BIDDING PURPOSES ONLY.



NOTE:  
SEE PLUMBING PLAN  
AND MECH. PLAN FOR  
NEW EQUIPMENT  
INFORMATION

**POWER SHEET NOTES**

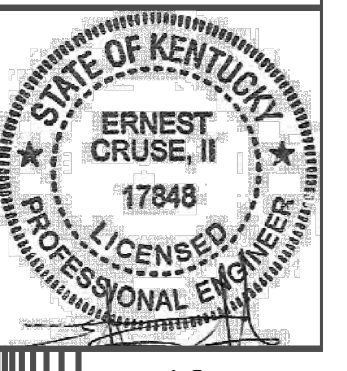
1. RECONNECT EXISTING OH DOOR MOTOR AND ALL ASSOCIATED EQUIPMENT TO NEW CIRCUIT INDICATED..
2. PROVIDE REPLACEMENT RECEPTACLE FOR EXISTING PULL DOWN POWER DEVICE. RE-CIRCUIT NEW HOME RUN TO NEW PANEL.
3. PROVIDE NEW RECEPTACLE FOR EXISTING CO-RAY VAC BLOWER MOTOR AND CIRCUIT TO NEW PANEL.
4. PROVIDE NEW SURFACE RECEPTACLE IN FS BOX IN LOCATION OF EXISTING RECEPTACLE.
5. PROVIDE NEW RETRACTABLE POWERED RECEPTACLE TO MATCH EXISTING IN ADJACENT GARAGE.
6. PROVIDE NEW SURFACE CONDUIT RACEWAY TO SERVE NEW RECEPTACLES IN INDICATED LOCATIONS.
7. PROVIDE INTERLOCK WIRING AND 120 VOLT CIRCUIT # A-35 TO SERVE NEW MOTORIZED DAMPERS. CONNECT WITH EXHAUST MOTOR AND CONTROL PER MECHANICAL CONTRACTORS DIRECTION.
8. PROVIDE POWER CONNECTION TO NEW OH DOOR MOTOR AND WIRE CONTROL COMPONENTS SUPPLIED WITH DOOR.
9. PROVIDE NEW SURFACE RECEPTACLE IN FS BOX AS INDICATED. DRILL THROUGH EXTERIOR WALL AS REQUIRED.
10. RE-FEED EXISTING CORAYVAC DISCONNECT. FIELD VERIFY OVERCURRENT PROTECTION SIZE AND WIRING.

**02 MEZZANINE FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

**NOTE:** ALL DIMENSIONS ARE TO FACE OF STUD

**NOTE:** GENERAL CONTRACTOR RESPONSIBLE FOR COORDINATION OF ALL SUB TRADES AND REQUIREMENTS BY OWNER

**NOTE:** ELECTRICAL, HVAC AND PLUMBING TO BE RELOCATED PER FEDERAL, STATE AND LOCAL CODES. GENERAL CONTRACTOR TO COORDINATE.



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RENOVATION FOR:  
**PLEASURE RIDGE PARK  
FIRE STATION 1**  
4500 KERRICK LN.  
LOUISVILLE, KY 40258

PROJECT: PLEASURE RIDGE PARK FIRE STATION 1 - FILE: PRP #1 ELECT PLAN 4-20-21.dwg - DATE: APR 21, 2021 8:38AM - BY: ERNIE CRUSE

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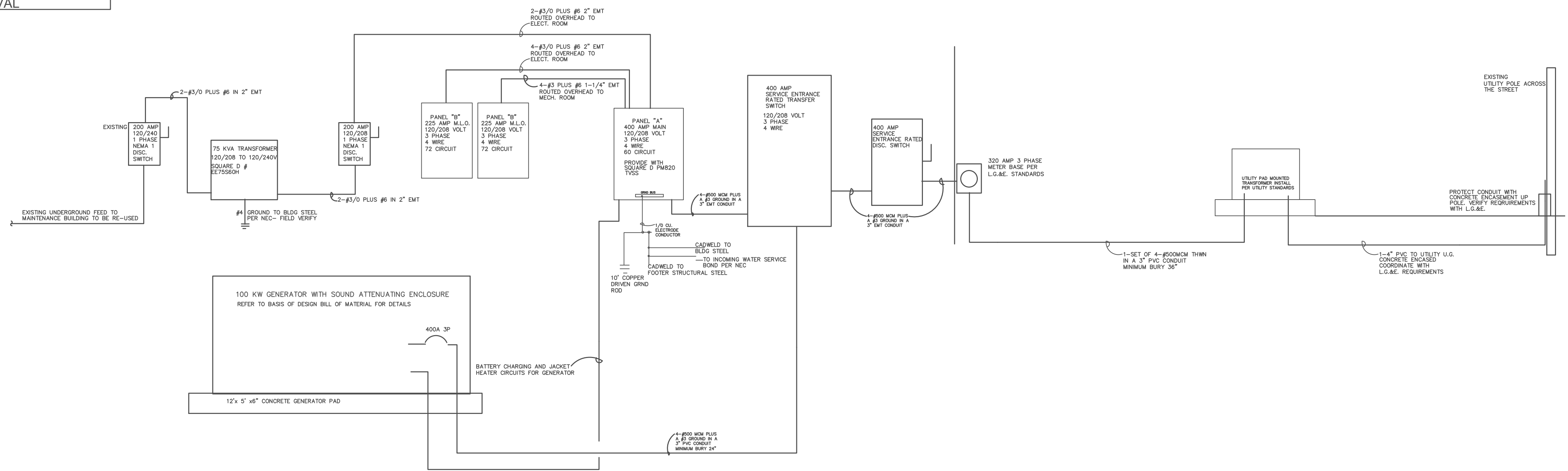
GENERATOR BASIS OF DESIGN BILL OF MATERIALS

EVA PAR IS THE BASIS OF DESIGN MANUFACTURER ALTERNATES MANUFACTURERS WILL BE CONSIDERED WITH 7 DAYS WRITTEN PRIOR APPROVAL

Quantity: 1 100KW Generator Basis of Materials

General Industrial Generator 180 V 3-Phase 3-Phase Generator, consisting of the following features and accessories:

- Emergency Generator (Specially Rated)
  - 180 KW Rating, based on 1000 HRS 100% Base Load, 4000 HRS
  - Prime Power Output: 200 KW
  - Standby Power Output: 250 KW
  - Industrial Site Based On Standard Code Book
  - 13.8 KV
  - 3000 RPM
  - 3000 KW
- Engine
  - Make: Cummins or Cat
  - Engine: 1800 HP 1800 RPM
- Generator
  - 200 KVA and 1500 AMP
  - 200 KVA and 1500 AMP
- Control Panel
  - Panel: 1800 X 36" (18" Deep)
  - Panel: 1800 X 36" (18" Deep)
  - Panel: 1800 X 36" (18" Deep)
- Generator Features
  - Automatic Voltage Regulation
  - Automatic Load Rejection
  - Automatic Frequency Regulation
  - Automatic Phase Protection
  - Automatic Paralleling
  - Automatic Load Shedding
  - Automatic Voltage Regulation
- Other Features
  - Automatic Voltage Regulation
  - Automatic Frequency Regulation
  - Automatic Phase Protection
  - Automatic Load Shedding
  - Automatic Voltage Regulation
  - Automatic Frequency Regulation
  - Automatic Phase Protection
  - Automatic Load Shedding

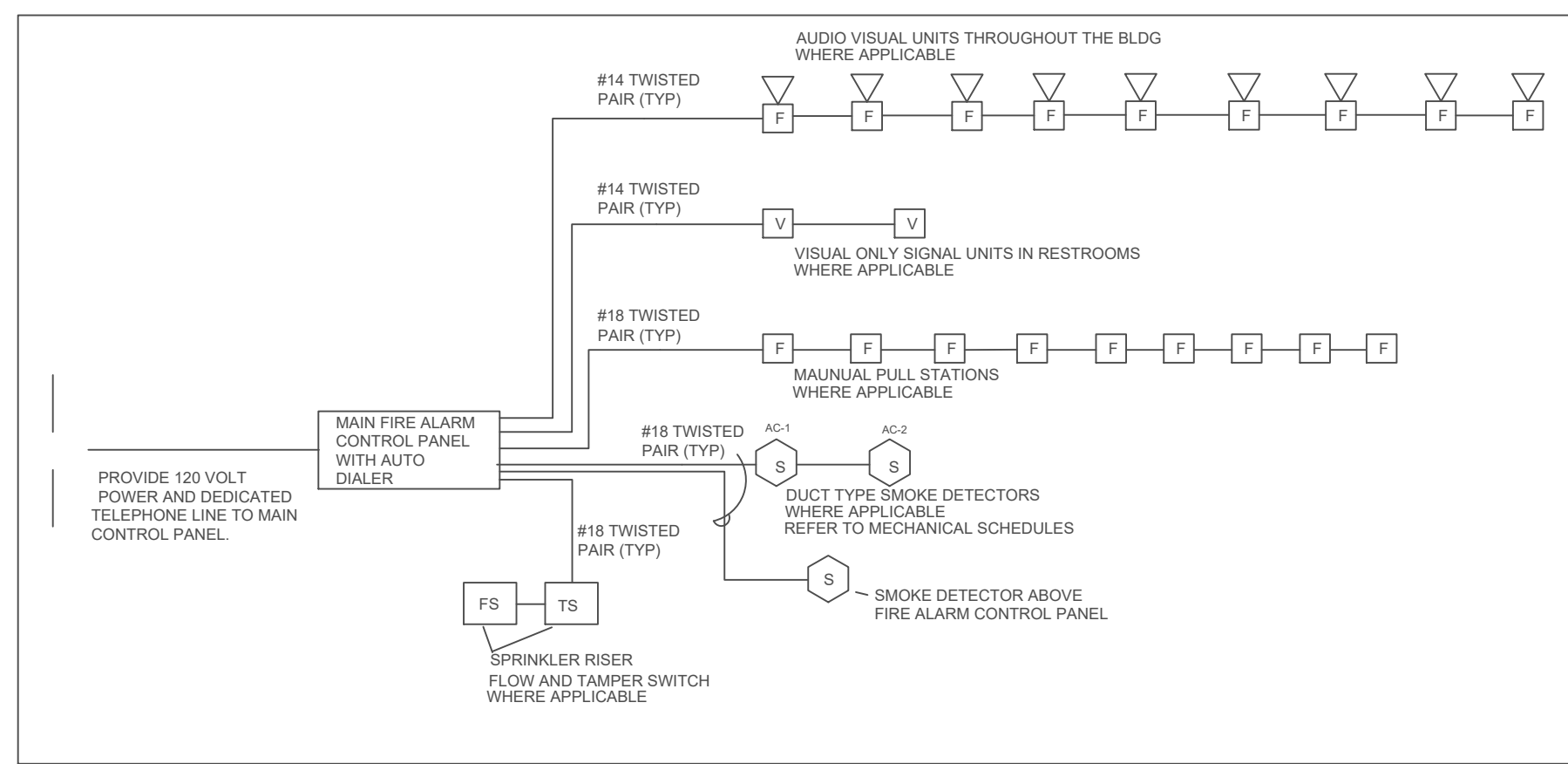


POWER RISER DIAGRAM  
NOT TO SCALE

A	120/208V 3 PH 4W	400A BUS	400A MAIN	18KAIC	
LOAD DESCRIPTION	FEEDER	CB/F NO.	CIRCUIT NO.	CB/F NO.	LOAD DESCRIPTION
GARAGE EF-1	#12	20 1P	1	2	MAINT. BLDG FEED
GARAGE EF-1	#12	20 1P	3	4	3/0
GARAGE CORAY VAC MTR	#12	20 1P	5	6	20 1P #12 GARAGE CEILING RECEPT
GARAGE CORAY VAC MTR	#12	20 1P	7	8	20 1P #12 GARAGE CEILING RECEPT
GARAGE CORAY VAC MTR	#12	20 1P	9	10	20 1P #12 GARAGE CEILING RECEPT
GARAGE CORAY VAC MTR	#12	20 1P	11	12	20 1P #12 GARAGE CEILING RECEPT
GARAGE CORAY VAC MTR	#12	20 1P	13	14	20 1P #12 AMB. BAY RECEPT CKT
EXIST OHD MTR	#12	20 1P	15	16	20 1P #12 SPARE
EXIST OHD MTR	#12	20 1P	17	18	20 1P #12 AMBULANCE BAY LTS
EXIST OHD MTR	#12	20 1P	19	20	20 1P #12 GARAGE LTS
EXIST OHD MTR	#12	20 1P	21	22	20 1P #12 GARAGE LTS
AMB. BAY OHD MTR	#12	20 1P	23	24	20 2P #12 GEAR RM COND. UNIT
GARAGE RECEPT CKT	#12	20 1P	25	26	#12
GARAGE CEILING RECEPT	#12	20 1P	27	28	20 2P #12 GEAR RM ELECT. HTR
GEAR RM EXHAUST	#12	20 1P	29	30	#12
AIR COMPRESSOR	#12	20 2P	31	32	20 1P #12 GEN BATTERY CHARGER
MOTORIZED TAMPER CKT	#12	20 1P	33	34	20 1P #12 GENERATOR JACKET MTR
TACP PANELS CONTROL	#12	20 1P	37	38	20 2P 3/0 PANEL "G" FEED
SPARE	20 1P	39	40	3/0	
SPARE	20 1P	41	42	3/0	
SPARE	20 1P	43	44	20 2P #12 EXISTING CORAYVAC PWR	
SPARE	20 1P	45	46	#12	
		47	48	100 3P #3 PANEL "G" FEED	
		49	50	#3	
		51	52	#3	
		53	54		
		55	56		
		57	58		
		59	60		

B	120/208V 3 PH 4W	225A BUS	225A M.L.O.	18KAIC	
LOAD DESCRIPTION	FEEDER	CB/F NO.	CIRCUIT NO.	CB/F NO.	LOAD DESCRIPTION
LITG DORMS	#12	20 1P	1	2	20 1P #12 LITG KITCH/OFFICES
LITG MEZZ/CLASSROOM	#12	20 1P	3	4	20 1P #12 BLDG EXTERIOR LITG
CLASSROOM RECEP	#12	20 1P	5	6	20 1P #12 PARKING LOT LIGHTS
KITCHEN RECEPT	#12	20 1P	7	8	20 1P #12 DORM #1 RECEP
KITCHEN RECEPT	#12	20 1P	9	10	20 1P #12 DORM #2 & RR REC
KITCHEN RECEPT	#12	20 1P	11	12	20 1P #12 MECH AND FITNESS RM
KITCHEN RECEPT	#12	20 1P	13	14	20 1P #12 FAXP
KITCHEN RECEPT	#12	20 1P	15	16	20 1P #12 ELECT WATER COOLER
KITCHEN RECEPT	#12	20 1P	17	18	20 1P #12 FITNESS RECEPT
LOUNGE RECEP	#12	20 1P	19	20	20 1P #12 HALL & RR RECEP
OFFICE RECEP	#12	20 1P	21	22	20 1P #12 DORM #3 & RR REC
OFFICE #1 RECEP	#12	20 1P	23	24	30 2P #10 DRIVER
DORM #4 RECEP	#12	20 1P	25	26	#10
LAUNDRY RECEP	#12	20 1P	27	28	30 2P #10 DRIVER
WASHER	#12	20 1P	29	30	#10
WASHER	#12	20 1P	31	32	20 1P #12 DORM #3 & RR REC
RR RECEP	#12	20 1P	33	34	20 1P #12 DORM #10 & HALL REC
TELECOM RECEP	#12	20 1P	35	36	20 1P #12 DORM #8 & RR REC
COND UNIT #2A	#12	20 2P	37	38	20 1P #12 DORM #8 & RR REC
	#12	39	40	20 1P #12 DORM #7 & 5 REC	
COND UNIT #2B	#12	20 2P	41	42	20 1P #12 CLASSROOM 110
	#12	43	44	SPARE	
COND UNIT #5	#8	45 2P	45	46	20 2P #12 ELECT HTR ELECT RM
AHU-#2	#12	15 1P	49	50	20 2P #12 ELECT HTR TELECOM
AHU-#1	#12	15 1P	51	52	#12
AHU-#5	#12	15 1P	53	54	20 2P #12 ELECT HTR GEAR RM
SPARE	20 1P	55	56	#12	
EXTRACTOR	#12	20 1P	57	58	#12
GAS DRYER	#12	15 2P	59	60	#12
	#12	61	62		
	20 1P	63	64		
SPARE	20 1P	65	66		
SPARE	20 1P	67	68		
SPARE	20 1P	69	70		
SPARE		71	72		

C	120/208V 3 PH 4W	100A BUS	100A M.L.O.	18KAIC	
LOAD DESCRIPTION	FEEDER	CB/F NO.	CIRCUIT NO.	CB/F NO.	LOAD DESCRIPTION
CEILING CASSETTES A/C	#12	20 2P	1	2	20 1P #12 SPRINKLER AIR COMP
	#12	3	4	20 2P #12 ELECT HTR MECH RM	
CEILING CASSETTES A/C	#12	20 2P	5	6	#12
	#12	7	8	20 2P #12 CEILING CASSETTES A/C	
ELECT HTR ENTRY	#12	15 2P	9	10	#12
	#12	11	12	40 3P #8 CONDENSING UNIT 10	
PANTRY ICE MAKER	#12	20 1P	13	14	#8
DISPOSAL	#12	20 1P	15	16	#8
MQU-1,2,3	#12	20 2P	17	18	20 2P #12 ERY UNIT MEZZANINE
	#12	19	20	#12	
	20 1P	21	22		
	20 1P	23	24		
	20 1P	25	26		
	20 1P	27	28		
	20 1P	29	30		



PARTIAL FIRE ALARM RISER  
N.T.S.

- RISER IS DIAGRAMMATIC ONLY AND IS NOT NECESSARILY REPRESENTATIVE OF ALL COMPONENTS REQUIRED. VERIFY WITH PLANS.
- FIRE ALARM SYSTEM SUPPLIER SHALL PROVIDE ALL REQUIRED SYSTEMS DRAWINGS FOR STATE APPROVALS.
- FIRE ALARM SYSTEM SUPPLIER SHALL CERTIFY SYSTEM UPON COMPLETION OF INSTALLATION.
- ALL FIRE ALARM SYSTEMS WIRING SHALL BE IN CONDUIT IN NON-ACCESSIBLE AREAS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH SYSTEM SUPPLIER FOR ALL WIRING REQUIREMENTS.

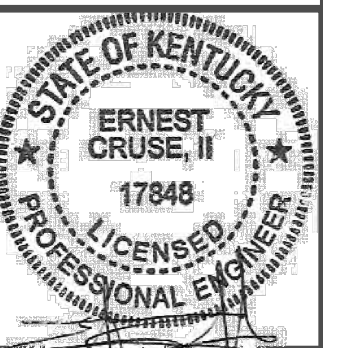
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PROJECT NO:  
20-4017  
DRAWN BY:  
CS/  
DATE:  
03-03-2021



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RENOVATION FOR:  
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L. FIELD WELDING SHALL COMPLY WITH AWS CODE FOR PROCEDURES OF MANUAL SHIELDED METAL-ARC WELDING, APPEARANCE AND QUALITY OF WELDS MADE, AND METHODS USED IN CORRECTING WELDING WORK.

M. SET LOOSE LEVELING AND BEARING PLATES ON WEDGES, OR OTHER ADJUSTABLE DEVICES. AFTER THE BEARING MEMBERS HAVE BEEN POSITIONED AND PLUMBED, TIGHTEN ANCHOR BOLTS. DO NOT REMOVE WEDGES OR SHIMS, BUT IF PROTRUDING, CUT-OFF FLUSH WITH THE EDGE OF THE BEARING PLATE BEFORE PACKING WITH GROUT. USE METALLIC NON-SHRINK GROUT IN CONCEALED LOCATIONS WHERE NOT EXPOSED TO MOISTURE; USE NON-METALLIC NON-SHRINK GROUT IN EXPOSED LOCATIONS, UNLESS OTHERWISE INDICATED. PACK GROUT SOLIDLY BETWEEN BEARING SURFACES AND PLATES TO ENSURE THAT NO VOIDS REMAIN.

N. TOUCH-UP PAINTING IMMEDIATELY AFTER ERECTION, CLEAN FIELD WELDS, BOLTED CONNECTIONS, AND ABRADED AREAS OF SHOP PAINT, AND PAINT EXPOSED AREAS WITH SAME MATERIAL USED FOR SHOP PAINTING. APPLY BY BRUSH OR SPRAY TO PROVIDE A MINIMUM DRY FILM THICKNESS OF 2.0 MILS.

O. MISCELLANEOUS ITEMS:

1. STEEL PLATES, SHAPES AND BARS: ASTM A-36
2. COLD FORMED STEEL TUBING USE ASTM A-500
3. HOT-ROLLED STEEL TUBING USE ASTM A-501
4. HOT-ROLLED STRUCTURAL STEEL SHEET USE ASTM A-570. CLASS 1 OR GRADE REQUIRED FOR DESIGN LOADING.
5. COLD-ROLLED STRUCTURAL STEEL SHEET USE ASTM A-611. CLASS 1 OR GRADE REQUIRED FOR DESIGN LOADING.
6. NON-SHRINK METALLIC GROUT TO BE PRE-MIXED, FACTORY-PACKAGED, NON- STAINING, NON-CORROSIVE, NON-GASEOUS GROUT COMPLYING WITH CE CRD-C588. PROVIDE GROUT SPECIFICALLY RECOMMENDED BY MANUFACTURER FOR INTERIOR AND EXTERIOR APPLICATIONS.
7. ZINC-COATED FASTENERS FOR EXTERIOR USE OR WHERE BUILT INTO EXTERIOR WALLS. SELECT FASTENERS FOR THE TYPE, GRADE AND CLASS REQUIRED.

**06000 CARPENTRY**

A. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY OR TO BE EXPOSED ON THE EXTERIOR TO BE PRESSURE TREATED AGAINST DECAY AND INSECTS.

B. CARPENTER SHALL FURNISH ALL NECESSARY BLOCKING AND GROUNDS FOR ALL TOPS, CABINETS, HANDRAILS, CASEWORK AND OTHER MISCELLANEOUS ITEMS AS NEEDED.

C. PROVIDE SMALL AREAS OF WOOD FRAMING WHERE SHOWN FOR SHELVES OR EQUIPMENT BY OWNER.

D. CARPENTER TO FURNISH & INSTALL ALL MOLDINGS, TRIM WORK AND FINISH HARDWARE (AT WINDOWS, DOORS, HANDRAILS, AND PLATFORM AREAS). ALSO, SHELIVING, BRACKETS, RODS AND HANGERS AS SHOWN. EXPOSED WOOD TRIM AND MOLDINGS TO BE PAINT GRADE SPRUCE OR FIR. (FINGER JOINTS ALLOWED).

E. FURNISH AND INSTALL ALL ROUGH & FINISH CARPENTRY INCLUDING ROUGH HARDWARE, FORM WORK INDICATED AND REQUIRED TO COMPLETE THE PROJECT.

F. WOOD FRAMING IS TO FOLLOW GOOD PRACTICE AND CODE REQUIREMENTS FOR FIRE BLOCKING AND WOOD BLOCKING. VERIFY FIRE BLOCKING REQUIREMENTS WITH THE BUILDING INSPECTOR BEFORE COMPLETING THE FRAME WORK.

G. PROVIDE BRIDGING AT ALL EXTERIOR WALLS AND INTERIOR LOAD BEARING WALLS, AT MIDDPOINT OF WALLS FOR WALLS UP TO 9'-4" HIGH, AT 1/3 POINTS FOR WALLS 9' - 12' HIGH, AND AT 1/4 POINTS FOR WALLS UP TO 13'-4" HIGH. THE BRIDGING SHALL BE 2X6 OR 2X4 AS APPROPRIATE, MATCHING THE STUDS USED IN THE REMAINDER OF THE WALL.

H. FRAMING CONTRACTOR IS RESPONSIBLE FOR BRACING REQUIRED TO RESIST SEISMIC, WIND, AND LIVE LOADS SPECIFIED AND REQUIRED BY I.B.C. PROVIDE LET-IN AND G.W.B. BRACING AS NOTED ON SHEET SET.

I. REMOVE ALL WOOD INCLUDING FORM LUMBER, SCRAP LUMBER, SHAVINGS, AND SAWDUST IN CONTACT WITH THE GROUND. LEAVE NO WOOD BURIED IN ANY FILL.

J. ALL LUMBER AND PLYWOOD SHALL BE GRADED AND MARKED IN ACCORDANCE WITH THE LATEST GRADING RULES OF THE MANUFACTURER'S ASSOCIATION HAVING JURISDICTION. PLYWOOD DECKING SHALL BE TONGUE AND GROOVE OR TO BE BLOCKED AT ALL JOINTS, AND TO BE GLUED TO ALL SUPPORTING MEMBERS.

K. ALL MATERIALS SHALL BE DELIVERED AND STORED TO INSURE PROPER PROTECTION FROM DAMAGE. ALL MATERIAL SHALL BE WELL SEASONED.

L. FRAMING LUMBER TO BE STRESS GRADED LUMBER (1250 F. MINIMUM) #2 YELLOW PINE OR APPROVED EQUAL OF OTHER SPECIES OF THE FOLLOWING MINIMUM UNIT STRENGTHS IN #S PER SQ. IN. FB = 1,200; H = 105; C (PERPENDICULAR) = 390; (COMPRESSION PARALLEL TO GRAIN) C = 900; AND E = 1,760,000.

M. STUDS & PLATES TO BE FURNISH AND INSTALL AS SPECIFIED, DETAILED AND REQUIRED. MATERIALS SHALL BE STRAIGHT AND WITHOUT DEFECTS THAT WILL IMPAIR THE STRENGTH OR ALIGNMENT. DOUBLE STUDS AT OPENINGS, TRIPLE AT CORNERS.

N. DOUBLE TOP PLATES TO HAVE (2) 16D THROUGH AT EACH STUD THROUGH PLATE. SECURE UPPER MEMBER OF TOP PLATE WITH (2) 10D AT EACH END AND 16D AT 16" O.C. STAGGERED. DOUBLE MEMBERS SECURED WITH 16D AT 12" O.C. STAGGERED.

O. EXTERIOR O.S.B. SHEATHING TO BE NAILED TO STUDS AT 12" O.C. STAGGERED.

P. INSTALL ALL JOISTS WITH CROWN UP. DOUBLE JOISTS AT OPENINGS, UNLESS NOTED TO BE GREATER. DOUBLE MEMBERS SECURED WITH 16 D AT 6" ON CENTER, STAGGERED. LAPS OVER SUPPORTS SECURED WITH A MINIMUM OF (4) 10D, (3) 20D THROUGH HEADER INTO JOISTS ENDS. BLOCK SOLIDLY AT PLYWOOD JOINTS.

Q. HEADER BEAMS FOR OPENINGS IN WOOD FRAMED WALLS ARE TO BE DOUBLE MEMBERS WITH 1/2" PLYWOOD BETWEEN AS FOLLOWS: (2) 2 X 4'S FOR OPENINGS 30" WIDE OR SMALLER, (2) 2 X 6'S FROM 30" UP TO 48" WIDE, (2) 2 X 8'S FROM 48" UP TO 72" WIDE, AND (2) 2 X 10'S FROM 72" UP TO 96" WIDE. FRAMING FOR OPENINGS WIDER THAN 96" MUST BE COORDINATED WITH THE ARCHITECTS.

R. ON EXTERIOR FRAMING USE GALVANIZED, ELECTROPLATED 16D NAILS. INTERIOR NAILS ARE TO BE COMMON COATED 16D NAILS UNLESS OTHERWISE NOTES.

**06175 PRE-ENGINEERED WOOD TRUSSES AND PRE-ENGINEERED JOISTS**

A. TRUSSES OR PRE-ENGINEERED JOISTS ARE TO BE OF PROFILE SHOWN ON BUILDING SECTIONS AND DETAILS.

B. NUMBER OF PANELS POINTS, MEMBER SIZING, GRADE, AND SPECIES AS DESIGNED BY THE TRUSS MANUFACTURER.

C. THE DESIGN IS TO BE THE RESPONSIBILITY OF THE MANUFACTURER, WHO IS RESPONSIBLE FOR MEETING ALL REQUIREMENTS OF THE FEDERAL, STATE AND LOCAL CODES. THIS INCLUDES THE TRUSS GIRDERS REQUIRED AT SPANS AS SHOWN ON SHEET SET.

D. PROPER INSTALLATION AND ANCHORING OF ALL MEMBERS AND ANCHORING OF THE TRUSSES FOR ADEQUATE STRENGTH ARE THE RESPONSIBILITY OF THE FRAMING CONTRACTOR.

E. DESIGN OF ALL TRUSSES AND JOISTS ARE TO BE BASED ON MAXIMUM DEFLECTION OF L/360.

F. BEARING WEB MEMBERS OF FLOOR TRUSSES ARE TO BE DESIGNED TO CARRY THE AXIAL LOAD OF THE STUD WALL ABOVE.

G. THE MANUFACTURER IS TO PROVIDE SHOP DRAWINGS AND STRUCTURAL CALCULATIONS STAMPED BY A STATE REGISTERED STRUCTURAL ENGINEER OF THE STATE WORK TO BE PERFORMED IN, BEFORE FABRICATING THE TRUSSES.

H. DESIGN OF TRUSSES AND HANDLING AND ERECTION OF TRUSSES, INCLUDING TEMPORARY AND PERMANENT BRACING, IS TO FOLLOW THE LATEST EDITION OF THE SPECIFICATIONS OF THE TRUSS PLATE INSTITUTE. REFER TO SECTION 1000 ITEM B OF THESE SPECIFICATIONS WITH REGARDS TO INCONSISTENCIES.

I. DESIGN IS TO INCLUDE SIZING AND SPACING OF BRACING MEMBERS.

J. TRUSSES ARE TO BE DESIGNED TO THE FOLLOWING MINIMUM LOADS:

(NOTE: GREATER SNOW LOADS REQUIRED AT VALLEYS, ROOF LEVEL CHANGES, ETC. THESE VALUES ARE MERELY GUIDELINES AND THE FEDERAL, STATE, AND/OR LOCAL CODE REQUIREMENTS SUPERSEDE THESE LOADS.)

ROOF TRUSSES

WIND LOAD 15 PSF  
SNOW LOAD 20 PSF PLUS SNOW LOAD BUILD-UP AT VALLEYS AND ROOF LEVEL CHANGES PER I.B.C. PLUS ROOF TOP EQUIPMENT AS DIRECTED BY THE CONTRACTOR.

TOP CHORD D.L. 10 PSF  
BOTTOM CHORD D.L. 5 PSF  
UPLIFT 12 PSF (9 IN EXCESS OF D.L.)

**06410 WOOD CASEWORK**

A. FURNISH AND INSTALL A COMPLETE SYSTEM FOR CABINETS AND CASEWORK FOLLOWING THE STANDARDS SET FORTH BY AWI AND MILLWORK BEST PRACTICES.

B. CABINETS TO BE OAK VENEER FINISHED 3/4" MDF BOARD WITH OVERLAY DOORS AND FULLY ADJUSTABLE PLYWOOD SHELVES.

C. HEAVY DUTY DRAWER BOXES SHALL UTILIZE 3/4" BIRCH PLYWOOD FOR SIDES, FRONT, AND BACK WITH BOX JOINTS. DRAWER BOTTOM SHALL BE 1/2" PLYWOOD AND SHALL BE FASTENED TO DRAWER BOX SO AS TO ACCOMMODATE HEAVY DUTY DRAWER SLIDES.

D. MDF AND PLYWOOD TO BE LAMINATED WITH WHITE VERTICAL GRADE HIGH PRESSURE DECORATIVE PLASTIC LAMINATE (HPL); EDGES SHALL BE EDGED WITH WHITE PVC.

E. TOPS TO BE SQUARE EDGE, PLASTIC LAMINATE COVERED WITH 4" SPLASH AT ALL WALLS, SCRIBE FIT. COLORS TO BE SELECTED BY OWNER FROM STANDARD LINES.

F. HARDWARE TO BE:

1. HINGES: HEAVY DUTY, 5-KNUCKLE INSTITUTIONAL HINGE IN FINISH SELECTED BY OWNER.
2. PULLS: WIRE TYPE IN FINISH SELECTED BY OWNER.
3. DRAWER SLIDES: ALFIT 4000 SERIES, ACCURIDE 3600 OR EQUAL HEAVY DUTY SLIDES CAPABLE OF HOLDING UP TO 200LBS.

G. PROVIDE ELEVATIONS AND SHOP DRAWINGS FOR REVIEW BY OWNER.

H. CABINETS TO BE BY "MERILLAT" OR APPROVED EQUAL.

**07000 MOISTURE PROTECTION**

A. INSULATION:

1. ROLL GLASS FIBER INSULATION TO BE THICKNESS AND TYPE SHOWN ON DRAWINGS FOR SPECIFIC USES, TO BE "FIBERGLASS" OR "CELOTEX".
2. INSTALL REINFORCED VAPOR RETARDER ON BOTTOM OF JOISTS OR TRUSSES TO BE INSULATED. SEE SPEC 07260.
3. AT ALL EAVE VENTS, VERTICALLY INSTALL A 2X6 INSULATION DAM BETWEEN ALL TRUSSES, ON TOP OF THE WALL BEARING PLATES.
4. AT ALL EAVE VENTS, INSTALL A 24" WIDE BY 48" LONG RAFTER BAFFLE, MADE OF EXTRUDED POLYSTYRENE FOAM. PRODUCT TO BE BY OWENS CORNING OR APPROVED EQUAL.
5. RIGID BELOW GRADE INSULATION AT FOUNDATION AND BASEMENT WALLS TO BE EXTRUDED, EXPANDED POLYSTYRENE 2" THICK (R-VALUE: 5), UNLESS OTHERWISE NOTED ON THE PLANS.
6. EXTERIOR CONCRETE MASONRY UNITS TO RECEIVE "CORE-FILL 500" FOAMED IN PLACE SYSTEM OR APPROVED EQUAL.

B. CAULKING:

1. USE SHERWIN WILLIAMS 950A SILICONIZED ACRYLIC LATEX CAULK, GE SILICONE II OR APPROVED EQUAL. COLOR TO MATCH SURROUNDING AREA BEING CAULKED. CAULK ALL EXTERIOR JOINTS AND BOTH SIDES OF ALL DOOR AND WINDOW FRAMES.
2. ALL EQUIPMENT, MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTORS SHALL SUPPLY ALL FLASHINGS AND CURBS FOR ROOF OR WALL PENETRATIONS TO THE BUILDING ERECTOR. BUILDING ERECTOR SHALL INSTALL AND FLASH ALL BUILDING PENETRATIONS AS PART OF THEIR BID PROJECT.
3. WHERE CALLED OUT ON THE DRAWINGS, FIRE CAULK TO MEET ALL ASTM REQUIREMENTS FOR FIRE AND SMOKE BARRIER. PRODUCT TO BE 3M FIRE BARRIER SEALANT CP 25WB+ OR APPROVED EQUAL.

C. ALL EXTERIOR MASONRY TO RECEIVE STAIN OR SEALER AND PAINT AS PER FINISHES IN SECTION 9.000.

**07210 - ROOF INSULATION BAFFLES AND VENTS**

A. ROOF INSULATION BAFFLES ARE TO BE ONE-PIECE FRICTION FIT VENT AND BAFFLE EXTRUDED FROM POLYSTYRENE FOAM (EPS) WITH LIGHTWEIGHT WATERPROOF AIR CHANNEL. UNIT TO FIT 24" JOIST SPACING AND TO BE 36" IN LENGTH.

B. UNIT TO BE DUROVENT BAFFLE OR APPROVED EQUAL.

**07250 WEATHER BARRIER - VAPOR BARRIER**

A. BUILDING VAPOR BARRIER TO BE COMMERCIAL GRADE WEATHER BARRIER TYVEK COMMERCIAL WRAP BY DUPONT OR APPROVED EQUAL.

B. ALL JOINTS ARE TO BE LAPPED MINIMUM 3" AND TAPED AS SPECIFIED BY MANUFACTURER.

C. ALL PENETRATIONS ARE TO BE TAPED AROUND ENTIRE PERIMETER.

D. TAPE TO BE 3" WIDE TYVEK TAPE FOR COMMERCIAL APPLICATIONS BY DUPONT OR APPROVED EQUAL.

E. BARRIER TO BE ANCHORED IN WOOD WITH 1" PLASTIC CAPS FASTENERS WITH MIN 5/8" PENETRATION.

F. BARRIER TO BE ANCHORED IN METAL WITH 1-5/8" RUST RESISTANT SCREW WITH 2" PLASTIC CAP.

**07260 REINFORCED VAPOR RETARDER**

A. REINFORCED VAPOR RETARDERS FOR SUSPENDED INSULATION APPLICATIONS ARE TO BE GRIFFOLYN TYPE-65 BY REEF INDUSTRIES OR APPROVED EQUAL.

B. RETARDER TO BE INSTALLED ON THE UNDERSIDE OF ALL ROOF TRUSSES OR FLOOR JOISTS WHERE EXPOSED TO THE ELEMENTS ABOVE AND CONDITIONED BELOW.

C. RETARDER ONLY REQUIRED WHEN INSULATION IS NOT SUSPENDED BY GYPSUM BOARD OR OTHER APPROVED VAPOR RETARDER.

D. ALL JOINTS ARE TO BE LAPPED MINIMUM 3" AND TAPED AS SPECIFIED BY MANUFACTURER.

E. ALL PENETRATIONS ARE TO BE TAPED AROUND ENTIRE PERIMETER.

F. TAPE TO BE 3" WIDE GRIFFOLYN FAB TAPE FOR COMMERCIAL APPLICATIONS BY DUPONT OR APPROVED EQUAL.

G. BARRIER TO BE ANCHORED IN WOOD WITH 1" PLASTIC CAPS FASTENERS WITH MIN 5/8" PENETRATION.

H. BARRIER TO BE ANCHORED IN METAL WITH 1-5/8" RUST RESISTANT SCREW WITH 2" PLASTIC CAP.

I. IT IS THE RESPONSIBILITY OF THE G.C. TO ENSURE THAT ALL JOINTS AND PENETRATIONS HAVE BEEN TAPED, ALL PUNCTURES HAVE BEEN PATCHED AND THAT THE SYSTEM HAS BEEN INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS, BEFORE INSTALLATION OF ADJOINING FINISHED CEILING SYSTEM.

**07311 ASPHALT SHINGLES**

A. SHINGLED ROOFING SHALL MEET OR EXCEED REQUIREMENTS OF ASTM-D3018-82 TYPE I (LATEST REVISION).

B. SHINGLES TO HAVE A CLASS 'A' LABELS AND BE WARRANTED FOR A 30-YEAR MINIMUM.

C. SHINGLES SHALL BE SELECTED FROM MANUFACTURER'S STANDARD LINE. MATCH EXISTING WHEN IT OCCURS.

D. ALL TRIM AND ACCESSORIES THAT WILL BE EXPOSED SHALL SHOW FACTORY PAINT AND SHALL MATCH SELECTED TRIM COLOR.

E. PROVIDE ASPHALT SATURATED ROOF FELT COMPLYING WITH ASTM-D2226 TYPE I, (LATEST REVISION), APPROXIMATELY 15 POUNDS PER SQUARE.

F. ALL RIDGE CAPS SHALL BE PRE-PAINTED ALUMINUM CONT. VENTED CAPS WITH SOLID ENDS.

G. CONTRACTORS MAY INSTALL SHINGLES WITH NAILS OR STAPLES THAT PENETRATE 3/4 INCH INTO DECK.

H. PROVIDE METAL DRIP EDGE ALONG ALL EDGES, TO BE MINIMUM .024" PRE-PAINTED ALUMINUM WITH ROOF DECK FLANGE, 1-1/2" FASCIA FLANGE AND 3/8" DRIP EDGE FLASHING SHALL BE .024" PRE-PAINTED ALUMINUM.

I. ALL SHINGLES AND ACCESSORIES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

07460 VINYL SIDING - HORIZONTAL

A. VINYL SIDING TO BE MADE OF EXTRUDED POLYVINYL CHLORIDE, WITH ELONGATED NAILING SLOTS ON FLANGES TO ALLOW MOVEMENTS, IN DOUBLE 4" CLAPBOARD DESIGN WITH WOODGRAIN FINISH.

B. COLOR TO BE SELECTED BY OWNER FROM MANUFACTURER'S STANDARD COLOR CHAIN.

C. PRODUCT TO BE FASTENED BY A GALVANIZED OR OTHER CORROSION-RESISTANT NAIL, AS RECOMMENDED BY MANUFACTURER OF SIDING PRODUCTS.

D. PRODUCT TO BE MAINSTREET DOUBLE 4" CLAPBOARD BY CERTAINTEED, TRADITIONAL LAP SIDING BY GEORGIA-PACIFIC, OR APPROVED EQUAL.

**08000 DOORS AND WINDOWS**

A. DOORS, FRAMES, WINDOWS AND GLAZING TO BE AS SHOWN ON DRAWINGS. FINISH HARDWARE TO COMPLY WITH BUILDING CODE.

B. EGRESS DOORS SHALL BE ABLE TO BE OPENED FROM INSIDE WITHOUT A KEY OR SPECIAL KNOWLEDGE.

C. ALL EXTERIOR OUTWARD SWINGING HINGED DOORS ARE TO HAVE NON-REMOVABLE PIN (NRP) HINGES, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.

D. ALL GLAZING TO COMPLY WITH SAFETY GLAZING LAWS. INSTALLER TO VERIFY REQUIREMENTS BEFORE ORDERING AND INSTALLING ALL GLAZING.

E. HOLLOW METAL FRAMES SHALL BE STANDARD PROFILE, 16GA. SHOP PRIMED. THREE (3) ANCHORS EACH SIDE, ONE (1) AT HEAD. USE WRAP AROUND FRAMES AT GYPSUM BOARD PARTITIONS.

F. HOLLOW METAL DOORS SHALL BE FLUSH, 18 GA., 1 3/4" THICK, EXTERIOR DOORS TO BE INSULATED WITH RIGID BOARD INSULATION. HEAD OF DOORS TO BE SOLID AND FLUSH. DOORS TO BE SHOP PRIMED.

G. FINISH HARDWARE SHALL BE MEDIUM GRADE COMMERCIAL PRODUCTS BY STANLEY, SCHLAGE, VON DUPRIN, YALE OR AN APPROVED EQUAL. FINISH TO BE SELECTED BY OWNER. U.L. RATED AND HANDICAPPED ACCESSIBLE HARDWARE AS REQUIRED. SEE DOOR SCHEDULE.

**08310 ATTIC ACCESS DOOR**

A. FURNISH AND INSTALL ATTIC ACCESS DOOR AND STAIRS AS SHOWN ON DRAWINGS.

B. ACCESS DOOR TO BE HEAVY DUTY ALUMINUM CONSTRUCTION, RATED FOR A MINIMUM OF 350LBS AND A 9'-0" CEILING HEIGHT.

C. UNIT TO BE AMERICAN STAIRWAY INC. MODEL #800 (VERIFY DURING CONSTRUCTION) OR APPROVED EQUAL.

D. FLUSH MOUNT AND TRIM WITH CEILING GRID AND PROVIDE ADDITIONAL WORK TO CREATE TOP LANDING AS CALLED FOR.

**08380 SECTIONAL OVERHEAD DOOR SYSTEM**

A. SECTIONAL OVERHEAD DOORS (UPWARD ACTING) TO BE BY CRAWFORD, OVERHEAD DOOR, OR APPROVED EQUAL. INSTALL DOOR PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

B. DOOR TO HAVE AN ELECTRONIC OPERATED WITH CHAIN HOIST BACKUP.

C. OPERATOR TO BE MEDIUM DUTY, COMMERCIAL GRADE, 3/4 H.P MOTOR, UNLESS OTHERWISE NOTED ON THE PLANS. SEE DOOR SCHEDULE FOR FINAL SIZES.

D. PROVIDE (1) WIRED 3-BUTTON (OPEN, CLOSE AND STOP) CONTROLLER STATION FOR EACH DOOR TO BE LOCATED BY OWNER.

E. PANELS TO BE INSULATED SECTION, 2" COMPRESSED FIBERGLASS BLANKET, 24 GA GALVANIZED FRONT AND BACK PANELS. USE STANDARD STILES AND RAILS.

F. TRACKS TO BE 2" GALVANIZED STEEL WITH STANDARD HARDWARE.

G. VERIFY LIFT CLEARANCE BEFORE ORDERING.

H. PROVIDE NEOPRENE OR VINYL WEATHER STRIPPING ON ENTIRE PERIMETER.

I. DOOR TO HAVE AN ELECTRICALLY CONTROLLED PHOTO EYE THAT STOPS AND REVERSES THE DOOR IF AN OBSTRUCTION IS SENSED. THE PHOTO EYE IS TO BE LOCATED NEAR THE GROUND AS REQUIRED PER BUILDING CODE.

J. ALL DOORS AND ACCESSORIES NOT GALVANIZED SHALL BE FACTORY PRIMED. INTERIOR AND EXTERIOR DOOR PAINT SHALL BE SELECTED LATER.

08410 ALUMINUM STOREFRONT SYSTEM

A. EXTERIOR FRAME ARE TO BE THERMALLY BROKEN ALUMINUM FRAMES.

B. FRAMES TO BE BLACK, BRONZE, WHITE OR CLEAR ANODIZED (AS SELECTED BY OWNER).

C. ALUMINUM STOREFRONT SYSTEM TO BE "KAWNEER 451T" OR APPROVED EQUAL.

D. GLAZING CONTRACTOR SHALL BE RESPONSIBLE TO SECURELY ANCHOR UNITS TO FRAMING OR MASONRY AS NEEDED TO TRANSFER LOADS TO THE BUILDING.

E. ALL GLAZING TO CONFORM TO SECTION 08800 GLAZING.

08520 SLIDING / GLIDING VINYL WINDOW

A. OVERALL PRODUCT FRAME DEPTH TO BE A MINIMUM 3-1/4".

B. INTERIOR AND EXTERIOR SURFACES ARE TO BE EXTRUDED RIGID UPVC, WITH SASHES HAVING A FOAM INSULATION.

C. MEMBERS ARE TO HAVE MITERED AND HEAT FUSED FULLY WELDED CORNERS.

D. SILL TO BE FITTED WITH WEEPS.

E. FRAME TO HAVE A SETBACK NAIL FIN APPROPRIATE FOR WALL DEPTH.

F. GLAZING TO BE DUAL PANE LOW-E COATED INSULATED GLASS PER SECTION "08800 GLAZING" BELOW.

G. UNLESS SPECIFIED OTHERWISE ELSEWHERE INTERIOR AND EXTERIOR FINISH TO BE WHITE.

H. UNITS ARE TO INCLUDE FACTORY INSTALLED LOCKS AND INSECT SCREEN IN A FINISH TO MATCH WINDOW.

I. WHERE SHOWN ON ELEVATIONS, WINDOWS TO HAVE 3/4" WIDE GRILLS-BETWEEN-THE-GLASS, IN A FINISH TO MATCH WINDOW.

J. WINDOW TO BE PELLA 250 SERIES SLIDING WINDOW, SIERRA PACIFIC 8000 SERIES HORIZONTAL SLIDER, JELD-WEN V-2500 SERIES SLIDING WINDOW, OR APPROVED EQUAL.



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RENOVATION FOR:  
**PLEASURE RIDGE PARK  
FIRE STATION 1**  
4500 KERRICK LN.  
LOUISVILLE, KY 40258

PROJECT: PLEASURE RIDGE PARK FIRE STATION 1 - FILE: SP1.03-Specifications.dwg - DATE: Apr 22, 2021 8:21AM - BY: CAROLINA SOTO





PROJECT NO:  
20-4017  
DRAWN BY:  
CS----  
DATE:  
04-20-2021

**15768 RADIANT TUBE HEATER - GAS-FIRED**

- A. SYSTEM TO BE A GAS-FIRED, FULLY-VENTED, LOW-INTENSITY, RADIANT HEATING SYSTEM BY CO-RAY-VAC OR APPROVED EQUAL.
- B. ALTERNATE MANUFACTURERS SHALL HAVE A MINIMUM OF 10 YEARS OF SIMILAR SERVICE. UNIT SHALL MEET OR EXCEED THE STANDARDS AS PUT FORTH BY THE RECOMMENDED SYSTEM AND MANUFACTURER. IF AN ALTERNATE MANUFACTURER IS ACCEPTED, THE CONTRACTOR ASSUMES RESPONSIBILITY FOR THE DESIGN, PERFORMANCE AND EXPENSE OF THE UNIT. ADDITIONALLY THE CONTRACTOR WILL ASSUME ALL RESPONSIBILITY TO COVER ALL EXTRA WORK AS NECESSITATED BY OTHER TRADES AS A RESULT OF THIS SUBSTITUTION. THE OWNER, ARCHITECT AND ENGINEER RESERVE THE RIGHT TO REQUIRE THE CONTRACTOR TO REMOVE AND REPLACE ANY MATERIAL OR EQUIPMENT THAT DOES NOT MEET THESE SPECIFICATIONS.
- C. SYSTEM TO INCLUDE BURNER UNITS, VACUUM PUMPS, HEAT EXCHANGERS, REFLECTORS, AND CONTROLS.
- D. BID LAYOUT AS SHOWN ON PLANS. PROVIDE SHOP DRAWINGS SHOWING COMPLETE DETAILS OF INSTALLATION OF UNIT, INCLUDING LAYOUT, SUSPENSION, CONNECTIONS, VACUUM PUMPS, BURNERS, HEAT EXCHANGERS, AND CONTROLS ARE TO BE SUBMITTED PRIOR TO ORDERING UNITS.
- E. UNIT TO FOLLOW ALL FEDERAL, STATE AND LOCAL CODES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THESE CODES AND MAKE SURE THE UNIT ADHERES TO THEM.
- F. UNIT TO HAVE AT LEAST A 5 YEAR WARRANTY ON ALL MATERIALS, 25 YEAR WARRANTY ON CAST IRON VACUUM PUMP AND CONTROLS AND 5 YEARS ON ALL OTHER COMPONENTS, FROM DATE OF FINAL ACCEPTANCE OF UNIT.
- G. UNIT TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
- H. PROVIDE TRAINING BY MANUFACTURER'S TECHNICAL REPRESENTATIVE TO INSTRUCT OPERATING PERSONNEL IN THE OPERATIONS AND MAINTENANCE OF UNIT.

**16000 ELECTRICAL - FOR BALANCE OF NOTES SEE ELECTRICAL PLANS**

- A. PROVIDE COMPLETE SUPERVISED FIRE ALARM SYSTEM AS SHOWN ON THE PLANS.
- B. SUBCONTRACTOR'S BID TO BE COMPLETE, INCLUDE ALL MATERIAL, LABOR AND FACILITIES REQUIRED TO COMPLETE THE WORK SHOWN ON DRAWINGS, SPECIFIED HEREIN AND AS REQUIRED BY FEDERAL, STATE AND LOCAL CODES TO CREATE A COMPLETE WORKING SYSTEM. WHERE DRAWINGS DO NOT SPECIFICALLY SHOW HOW WORK IS TO BE EXECUTED THE SUBCONTRACTORS RESPONSIBLE FOR THE WORK WILL FIGURE AND BID ACCEPTABLE METHOD OF COMPLETING THE WORK TO PROVIDE PROPER DESIGN AND WORK ABILITY. PROVIDE A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THE DRAWINGS AND DESCRIBED HEREIN. FURNISH "AS BUILT" DRAWINGS ON COMPLETION.
- C. ELECTRICAL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE AS WELL AS STATE AND LOCAL GOVERNING CODES.
- D. PAY FOR PERMITS AND INSPECTIONS AND PROVIDE A CERTIFICATE OF INSPECTION.
- E. SYSTEMS WILL HAVE A SINGLE METER. PROVIDE REQUIRED SUBPANELS AND EQUIPMENT GROUNDING SYSTEMS. THE CONDUIT SYSTEM SHALL FORM A CONTINUOUS PATH FOR GROUND AND SHALL BE SAFELY GROUNDED AT THE DISTRIBUTION PANEL. PROVIDE GROUNDING CONDUCTORS WHERE INDICATED AS SPECIFIED.
- F. MATERIALS SHALL BE NEW WITH MANUFACTURER'S NAME PRINTED THEREON AND UNDERWRITER'S LABORATORY LISTED. THE SELECTION OF MATERIALS AND EQUIPMENT TO BE PROVIDED UNDER THIS CONTRACT SHALL BE IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS. THIS CONTRACTOR SHALL SUBMIT TO THE ARCHITECT FOR APPROVAL THREE COPIES OF EQUIPMENT AS FOLLOWS: MAIN SWITCHBOARD AND DISCONNECT SWITCHES AND LIGHTING FIXTURES.
- G. IDENTIFY DISCONNECT SWITCHES WITH PERMANENT NAMEPLATES WITH 1/4" MINIMUM HEIGHT LETTERS.
- H. ELECTRICAL CONTRACTOR TO COORDINATE ALL LAYOUTS, EQUIPMENT AND WORK WITH OTHER TRADES AS WILL BE REQUIRED FOR SMOOTH OPERATION AND A COMPLETE JOB. ANY CUTTING AND PATCHING OF WALLS OR FLOORS SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REPAIR.
- I. THE ELECTRICAL SERVICE AT THE SITE SHALL BE VERIFIED BY THIS CONTRACTOR PRIOR TO BIDDING JOB. THIS CONTRACTOR SHALL PROVIDE CONDUIT, CABLE, CONCRETE, CONNECTIONS AND OTHER EQUIPMENT REQUIRED. THIS CONTRACTOR SHALL VERIFY UTILITY REQUIREMENTS AND CHARGES PRIOR TO BIDDING AND INCLUDE SUCH IN BID.
- J. PROVIDE STRUCTURAL FRAMEWORK AND HANGING RODS WITH BRACES AND ACCESSORIES WHERE REQUIRED TO HOLD EQUIPMENT IN FINAL POSITION.
- K. PROVIDE FIXTURES AS LISTED ON DRAWINGS. PROVIDE NECESSARY MOUNTING HARDWARE FOR A COMPLETE INSTALLATION. PROVIDE LAMPS, BALLASTS AND SPECIAL CONTROLS.
- L. TELEPHONE, NETWORKING AND TELEVISION CABLING SERVICE WILL BE CONTRACTED BY THE OWNER. PROVIDE A 4'X4'X3/4" EQUIPMENT BOARD COMPLETE WITH A GROUNDING MEANS WITH LUG AND A DUPLEX RECEPTACLE. INSTALL EMPTY BOX WITH BLANK COVER PLATE AND 1/2" CONDUIT WITH PULL WIRE TO 9" ABOVE CEILING, WHERE SHOWN ON PLANS.
- M. ELECTRICAL CONTRACTOR TO PROVIDE TEMPORARY SERVICE AS REQUIRED FOR THIS PROJECT. ALSO, COORDINATE AND PROVIDE FOR SWITCH OVER OF POWER FOR NEW BUILDING, SITE AND CANOPIES.
- N. THIS CONTRACTOR SHALL GUARANTEE WORK INSTALLED UNDER THE CONTRACT TO BE FREE FROM THE DEFECTIVE WORKMANSHIP AND MATERIALS. USUAL WEAR EXPECTED, AND SHOULD ANY DEFECTS DEVELOP WITHIN A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE BUILDING BY THE OWNER, THIS CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DEFECTIVE ITEMS AND DAMAGE RESULTING FROM FAILURE OF THESE ITEMS AT NO EXPENSE WHATSOEVER TO THE OWNER.

**END OF SPECIFICATIONS**



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SPECIFICATIONS

**SP1.04**