

City of Mattoon Public Works Building

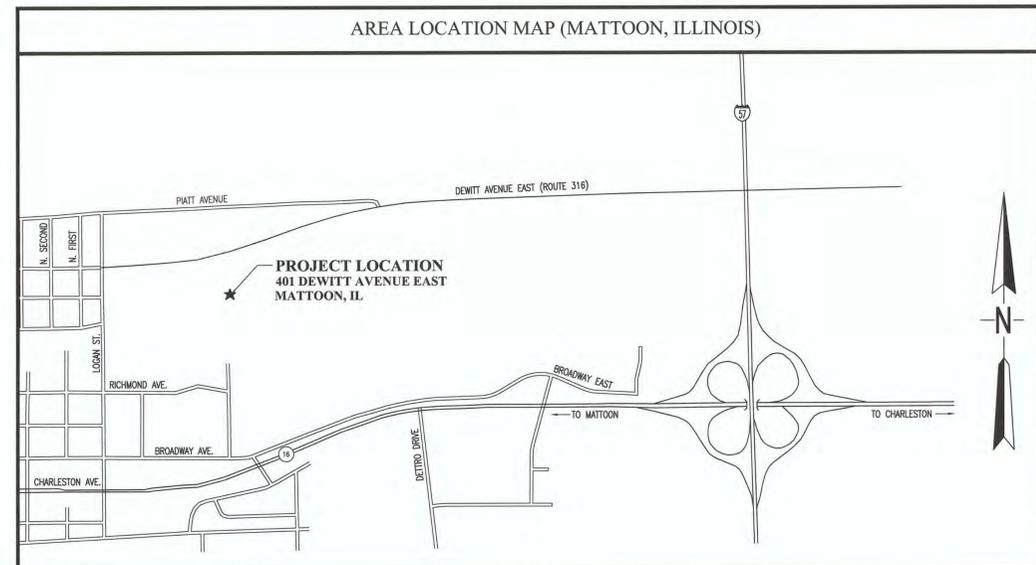
401 Dewitt Avenue East
Mattoon, IL, 61938

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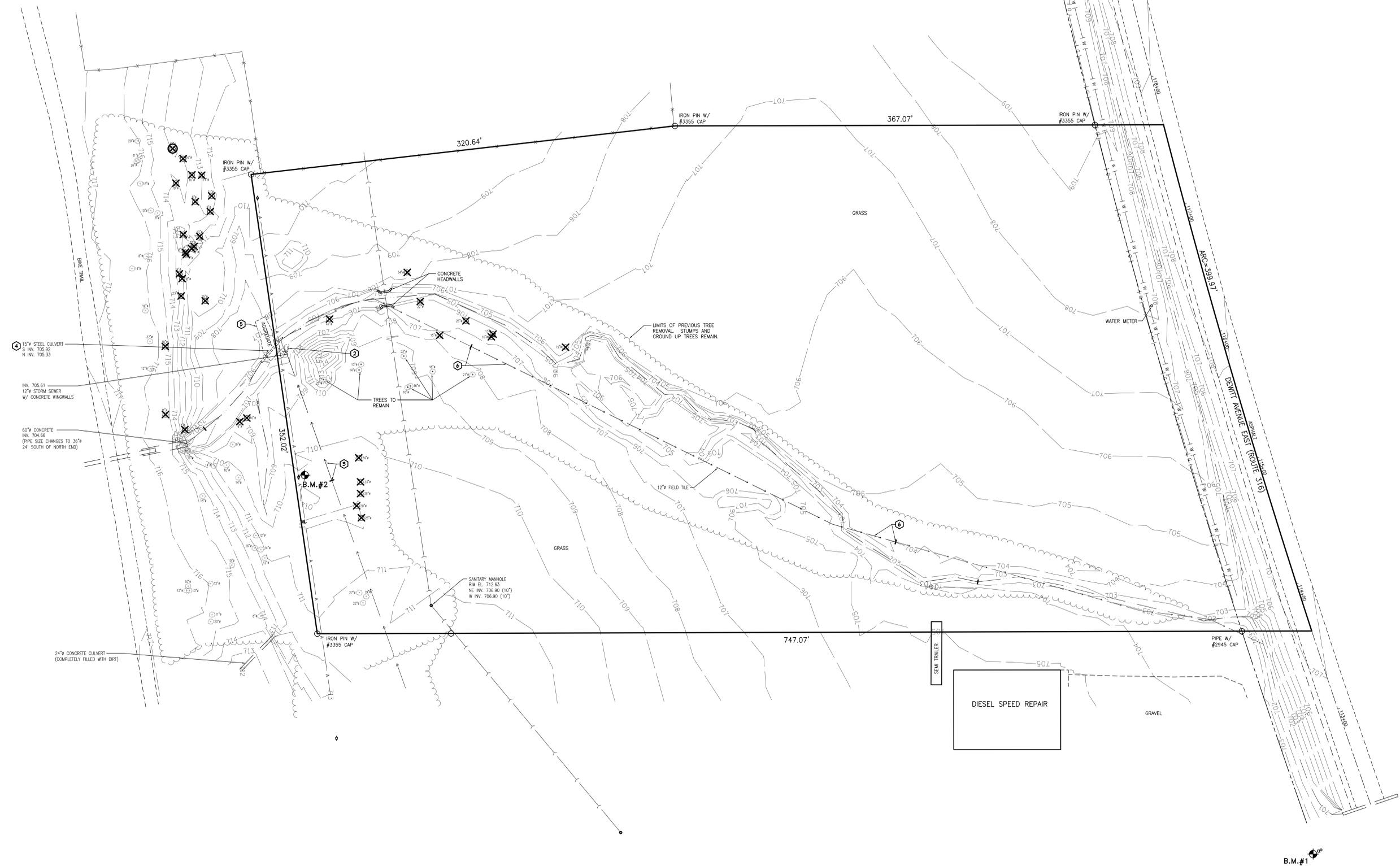
Prepared By:
THE UPCHURCH GROUP, INC.
123 N. 15th Street Mattoon, IL 61938

MATTOON PUBLIC WORKS CODE SUMMARY						
2003 - INTERNATIONAL BUILDING CODE 2003 - INTERNATIONAL MAINTENANCE CODE 2003 - INTERNATIONAL FIRE CODE 2003 - INTERNATIONAL MECHANICAL CODE 2003 - NFPA NATIONAL ELECTRIC CODE STATE OF ILLINOIS PLUMBING CODE ILLINOIS ACCESSIBILITY CODE 1991 ADDITION MATTOON ZONING ORDINANCE						
BUILDING DATA						
USE CLASSIFICATION: NONSEPARATED USES (302.3.1, IBC 2003) GROUP B: BUSINESS (304.1, IBC 2003) GROUP S-1: MOTOR VEHICLE REPAIR GARAGES (SECT 311.2, IBC 2003)						
CONSTRUCTION TYPE: V-B (602.5, IBC 2003)						
BUILDING HEIGHT: ALLOWED: (TABLE 503, IBC 2003) ACTUAL: 1-STORY						
BUILDING AREA: REQUIRED: 9,000 SQ. FT. (TABLE 503, IBC 2003) 6,750 SQ. FT. AREA MODIFICATION FOR FRONTAGE (EQ. 5-2, 506.2 IBC 2003) 21,000 SQ. FT. AREA MODIFICATION FOR AUTOMATIC SPRINKLER SYSTEM (506.3 IBC 2003)						
2003: 42,750 SQ. FT. TOTAL ALLOWED AREA (506.1 IBC 2003) ACTUAL: 34,215 SQ. FT.						
NUMBER OF STORIES: ALLOWED: 1 STORY (TABLE 503, IBC 2003) ACTUAL: 1 STORY						
FIRE PROTECTION: AUTOMATIC SPRINKLER SYSTEM THROUGHOUT (F403.2.8, IBC 2003)						
OCCUPANT LOAD: OFFICE AREA: 3,722 S.F. x 1 PERSON / 100 S.F. = 37 PERSONS GARAGE AREA: 30,443 S.F. x 1 PERSON / 200 S.F. = 61 PERSONS TOTAL: 34,215 S.F. 98 PERSONS (TABLE 1004.1.2, IBC 2003)						
EXIT ACCESS TRAVEL DISTANCE: 250' WITH SPRINKLER SYSTEM (TABLE 1015.1 IBC 2003)						
REQUIRED NUMBER OF EXITS:						
	NO. EXITS REQUIRED		NO. EXITS PROVIDED			
OFFICE AREA:	1 (SEC. 1014.1, IBC 2003)		4			
GARAGE AREA:	2 (SEC. 1014.1 AND 1010.1, IBC 2003)		3			
WHOLE BUILDING:	3		7			
PLUMBING FIXTURES:						
OCCUPANT LOAD USED FOR CALCULATION OF REQUIRED PLUMBING FIXTURES = 30' (OCCUPANT LOAD PROVIDED BY OWNER ASS EXPECTED MAXIMUM NUMBER OF EMPLOYEES AT THE PUBLIC WORKS BUILDING.)						
	MALE		FEMALE		WHOLE BUILDING	
OCCUPANT LOAD	15		15		30	
FIXTURES	MIN. NUMBER REQUIRED ¹	NUMBER PROVIDED	MIN. NUMBER REQUIRED ¹	NUMBER PROVIDED	MIN. NUMBER REQUIRED ¹	NUMBER PROVIDED
WATER CLOSETS	1	2	1	1	-	-
URINALS	SEE NOTE ²	2	-	-	-	-
LAVATORIES	1	2	1	1	-	-
SHOWERS	0	1	0	1	-	-
DRINKING FOUNTAINS	-	-	-	-	1	2
SERVICE SINKS	-	-	-	-	0	2
KITCHEN SINK	-	-	-	-	0	1
NOTES: ¹ STATE OF ILLINOIS PLUMBING CODE ² URINALS MAY BE SUBSTITUTED FOR REQUIRED WATER CLOSETS FOR MALES, NOT TO EXCEED 1/2 THE NUMBER OF REQUIRED WATER CLOSETS. (FOOTNOTE #2, SEC. 840, TABLE B, STATE OF ILLINOIS PLUMBING CODE.)						
SITE DATA						
ZONING: ZONED C4 GENERAL COMMERCIAL BUS GARAGE & EQUIPMENT MAINTENANCE (SEC. 159.29.B.II), TITLE XV, LAND USAGE, MATTOON, IL CODE OF ORDINANCES) REQUIRED OFF-STREET PARKING REQUIRED: 1 SPACE PER EMPLOYEE, WHEN THE LARGEST NUMBER IS PRESENT. (SECTION 159.32 TABLE I PARKING STANDARDS, TITLE XV, LAND USAGE, MATTOON, IL CODE OF ORDINANCES)						
LARGEST NUMBER OF EMPLOYEES ANTICIPATED: 30 (PROVIDED BY OWNER) REQUIRED NUMBER OF OFF-STREET PARKING SPACES: 30 NUMBER OF PARKING SPACES PROVIDED: 32						
HANDICAP PARKING SPACES: NUMBER OF PARKING SPACES PROVIDED: 32 NUMBER OF HANDICAP PARKING SPACES REQUIRED: 2 (TABLE 1106.1, IBC 2003) NUMBER OF HANDICAP PARKING SPACES PROVIDED: 2						



	 11-30-16 License Expires		 11-30-16 License Expires		 11-30-17 License Expires
	 11-30-17 License Expires		 11-30-17 License Expires		

BENCH MARKS:
 #1 TOP CAP BOLT OF FIRE HYDRANT LOCATED SOUTH OF DEWITT AVENUE EAST AND EAST OF SITE. ELEVATION = 706.47
 #2 RAILROAD SPIKE IN EAST SIDE OF POWER POLE LOCATED NEAR MIDDLE OF SOUTH END OF SITE. ELEVATION = 711.41



- KEYED DEMOLITION NOTES**
- ① REMOVE EXISTING TREES BY OWNER.
 - ② REMOVE EXISTING CONCRETE HEADWALL BY OWNER.
 - ③ SAW CUT EXISTING STORM SEWER AT EAST BANK OF RELOCATED DRAINAGE DITCH AND REMOVE EXISTING STORM SEWER WEST TO HEADWALL BY OWNER.
 - ④ REMOVE EXISTING 15" STEEL PIPE CULVERT BY OWNER.
 - ⑤ REMOVE EXISTING AGGREGATE BY OWNER.
 - ⑥ REMOVE EXISTING 12" FIELD TILE 2' BEYOND AND UNDER PAVED AREA. ABANDON REMAINING FIELD TILE BETWEEN NEW CONNECTION POINTS BY OWNER.
 - ⑦ EXISTING DRAINAGE DITCH TO BE FILLED IN. NEW DRAINAGE DITCH TO BE RELOCATED AROUND NEW PAVED AREA BY OWNER.

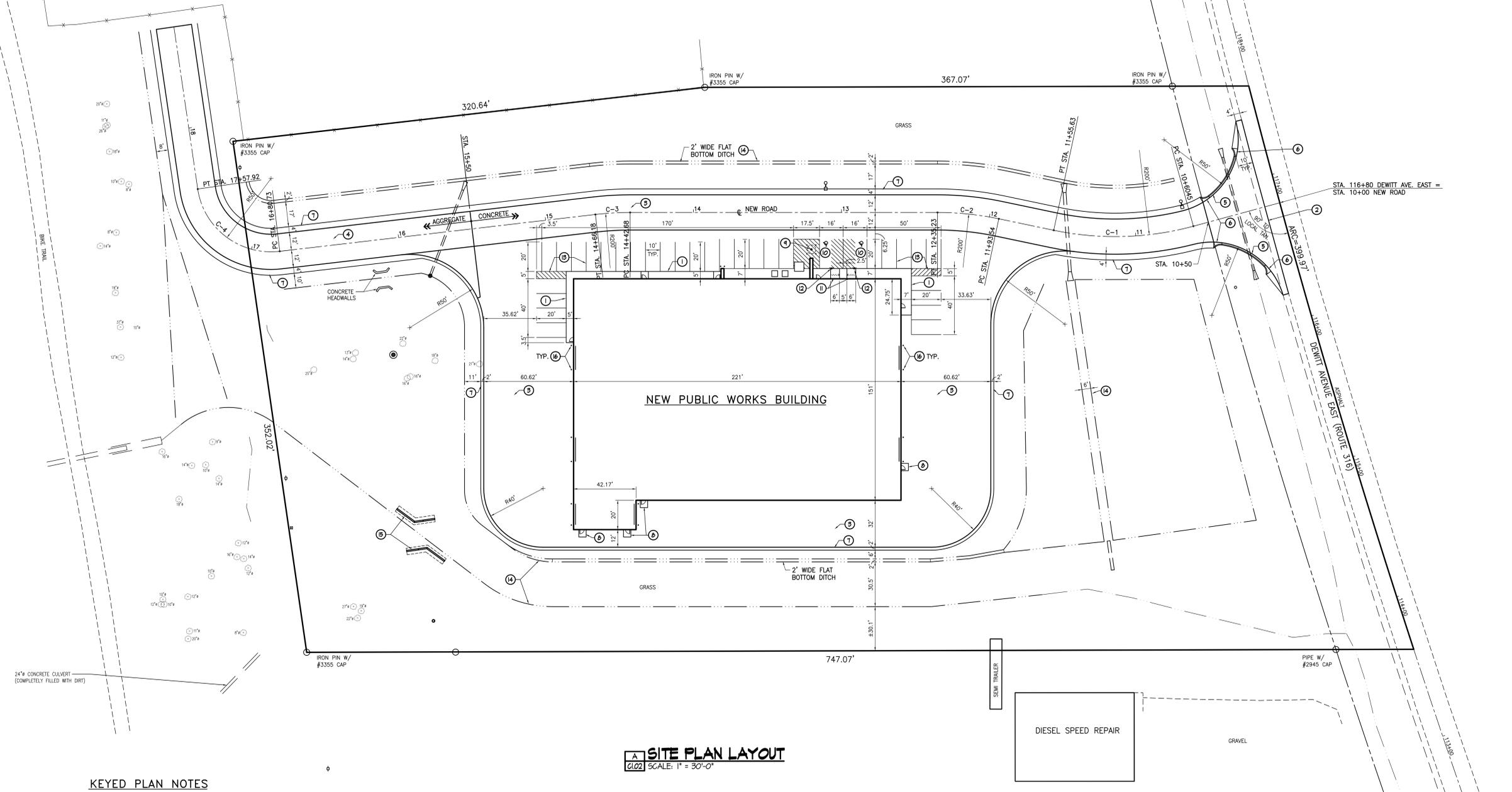
EXISTING / DEMOLITION SITE PLAN
 SCALE: 1" = 30'-0"

- LEGEND**
- A — AERIAL LINE
 - G — GAS MAIN
 - S — SANITARY SEWER
 - F — FIELD TILE
 - W — STORM SEWER
 - W — WATER MAIN
 - F — FENCE
 - F — FLOW LINE
 - 705 — CONTOURS
 - ○ ○ ○ ○ LIGHT POLE
 - ○ ○ ○ ○ MANHOLE
 - ○ ○ ○ ○ HANDHOLE
 - ○ ○ ○ ○ FIRE HYDRANT
 - ○ ○ ○ ○ VALVE
 - ○ ○ ○ ○ SIGN
 - ○ ○ ○ ○ TREE / DIAMETER

- GENERAL NOTES**
1. FIELD WORK FOR THIS SURVEY WAS COMPLETED DURING MAY 2015. BOUNDARY PLAT OF SURVEY BY IPLS #3355 DATED SEPT. 10, 2013 WAS PROVIDED BY CLIENT.
 2. USED NGS OPUS SOLUTION TO OBTAIN HORIZONTAL AND VERTICAL DATUM. COORDINATES ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE NAD 83 (2011 ADJUSTMENT). ELEVATIONS ARE BASED ON NAVD83 DATUM (COMPUTED USING NGS OPUS SOLUTION GEOID12B).
 3. UNDERGROUND UTILITIES SHOWN ON THIS SURVEY HAVE BEEN LOCATED AS ACCURATELY AS POSSIBLE FROM OBSERVED FIELD SURVEY INFORMATION AFTER THE UTILITIES WERE MARKED BY THE APPROPRIATE UTILITY COMPANIES UNDER J.U.L.I.E. TICKET NO. X1182938. THERE IS NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED, OR TO THE ACCURACY OF THE MARKINGS BY THE UTILITY LOCATOR.
 4. NO RESEARCH WAS MADE FOR EASEMENTS.
 5. CONTOURS SHOWN ARE AT 1.0 FOOT INTERVAL.
 6. REMOVAL ITEMS SHALL BE REMOVED AND DISPOSED OF OFF-SITE PER ARTICLE 202.03 OF THE IDOT STANDARD SPECIFICATIONS.

The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

CURVE C-1	CURVE C-2	CURVE C-3	CURVE C-4
PI STA = 11+08.96	PI STA = 12+14.46	PI STA = 14+54.44	PI STA = 17+29.40
Δ = 271°55' (RT)	Δ = 115°34' (LT)	Δ = 6°43'56" (LT)	Δ = 88°27'15" (RT)
D = 28°38'52"	D = 28°38'52"	D = 28°38'52"	D = 114°35'30"
R = 200.00'	R = 200.00'	R = 200.00'	R = 50.00'
T = 48.51'	T = 20.92'	T = 11.76'	T = 48.67'
L = 95.17'	L = 41.69'	L = 23.50'	L = 77.19'
E = 5.80'	E = 1.09'	E = 0.35'	E = 19.78'
PC STA = 10+60.45	PC STA = 11+93.54	PC STA = 14+42.68	PC STA = 16+80.73
PT STA = 11+55.63	PT STA = 12+35.23	PT STA = 14+66.18	PT STA = 17+57.92



A SITE PLAN LAYOUT
SCALE: 1" = 30'-0"

KEYED PLAN NOTES

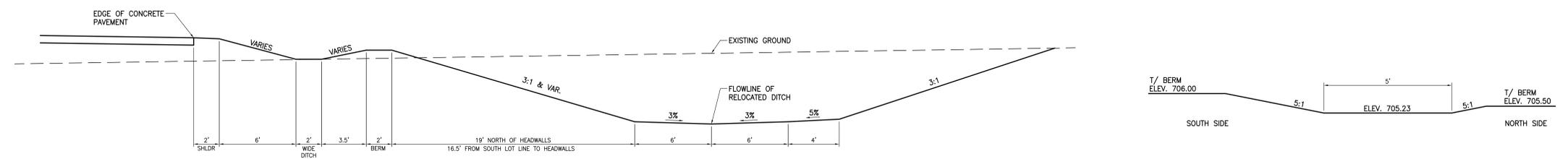
- ① NEW PORTLAND CEMENT CONCRETE SIDEWALK / CURB INSTALLED BY CONTRACTOR. SEE DETAILS 1, 2, & 3 SHEET C5.01.
- ② NEW 8" THICK UNREINFORCED PORTLAND CEMENT CONCRETE PAVEMENT ENTRANCE OVER 4" AGGREGATE SUBBASE (STA. 10+10.5 TO STA. 10+50.0) INSTALLED BY OWNER.
- ③ NEW PORTLAND CEMENT CONCRETE ROADWAY (STA. 10+50.0 TO STA. 15+50.0) AND PARKING LOT PAVEMENT INSTALLED BY OWNER. SEE DETAILS 4, 5, & 6 SHEET C5.01.
- ④ NEW 11" THICK AGGREGATE ROADWAY (STA. 15+50.0 TO STA. 18+69.66) INSTALLED BY OWNER.
- ⑤ NEW COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 INSTALLED BY OWNER. SEE DETAIL 7 SHEET C5.01.
- ⑥ NEW CONCRETE GUTTER OUTLET INSTALLED BY OWNER. SEE DETAIL 8 SHEET C5.01.
- ⑦ NEW EARTH SHOULDER INSTALLED BY OWNER.
- ⑧ NEW PORTLAND CEMENT CONCRETE STOOP INSTALLED BY CONTRACTOR. SEE STRUCTURAL DRAWINGS.
- ⑨ FUTURE FLAG POLE AND PIPE GUARDS INSTALLED BY OWNER.
- ⑩ HANDICAPPED PARKING SPACE TO HAVE AN 8'-0" WIDE ACCESS AISLE WITH DIAGONAL MARKINGS PERMANENTLY AFFIXED WITHIN THE 16'-0" WIDTH OF EACH STALL PER THE ILLINOIS ACCESSIBILITY CODE. PAVEMENT MARKINGS INSTALLED BY OWNER.
- ⑪ NEW HANDICAP RAMP INSTALLED BY CONTRACTOR. SEE DETAIL 9 SHEET C5.01.
- ⑫ NEW HANDICAP SIGN INSTALLED BY OWNER. SEE DETAIL 10 SHEET C5.01.
- ⑬ ALL PAVEMENT MARKINGS SHALL BE PAINTED 4" WIDE YELLOW STRIPES IN PARKING LOT INSTALLED BY OWNER.
- ⑭ NEW DITCH FLOWLINE INSTALLED BY OWNER.
- ⑮ NEW CONCRETE HEADWALLS INSTALLED BY OWNER. SEE DETAIL 13 SHEET C5.01.
- ⑯ NEW PIPE GUARD INSTALLED BY OWNER. SEE DETAIL 12 SHEET C5.01.

GENERAL NOTES

1. ALL RADII AND DIMENSIONS ARE TO THE EDGE OF PAVEMENT.
2. EXCAVATE TOPSOIL FROM AREAS TO BE FURTHER EXCAVATED, RE-LANDSCAPED OR RE-GRADED AND STOCKPILE IN DESIGNATED AREA ON SITE. EXCESS TOPSOIL SHALL BE REMOVED FROM SITE IN ACCORDANCE WITH ARTICLE 202.03 OF THE IDOT STANDARD SPECIFICATIONS.
3. COMPACT ALL FILL, BACKFILL, AND SUBGRADE TO 95% STANDARD LABORATORY DENSITY BASED ON STANDARD PROCTOR TEST: ASTM D698 OR AASHTO T-99 WHERE ANY PAVING OR SIDEWALK WILL BE PLACED.
4. PLACE TOPSOIL IN AREAS WHERE SEEDING, SODDING, AND PLANTING WILL BE PERFORMED.
5. CONCRETE MIX DESIGN SHALL FOLLOW CLASS PV IN SECTION 1020 OF THE IDOT STANDARD SPECIFICATIONS. CONCRETE SHALL HAVE AN AIR CONTENT OF 5% TO 8%, SLUMP OF 2" TO 4", WATER CEMENT RATION OF 0.32 TO 0.46 LB/LB AND A 28 DAY COMPRESSIVE STRENGTH OF 3500 PSI.
6. CURING OF THE CONCRETE SIDEWALK AND CURB AND GUTTER SHALL BE MEMBRANE CURING METHOD PER ARTICLE 1020.13(g)(4) AND ARTICLE 1022.01 OF THE IDOT STANDARD SPECIFICATIONS.
7. PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH SECTION 1095.02 OF THE IDOT STANDARD SPECIFICATIONS.

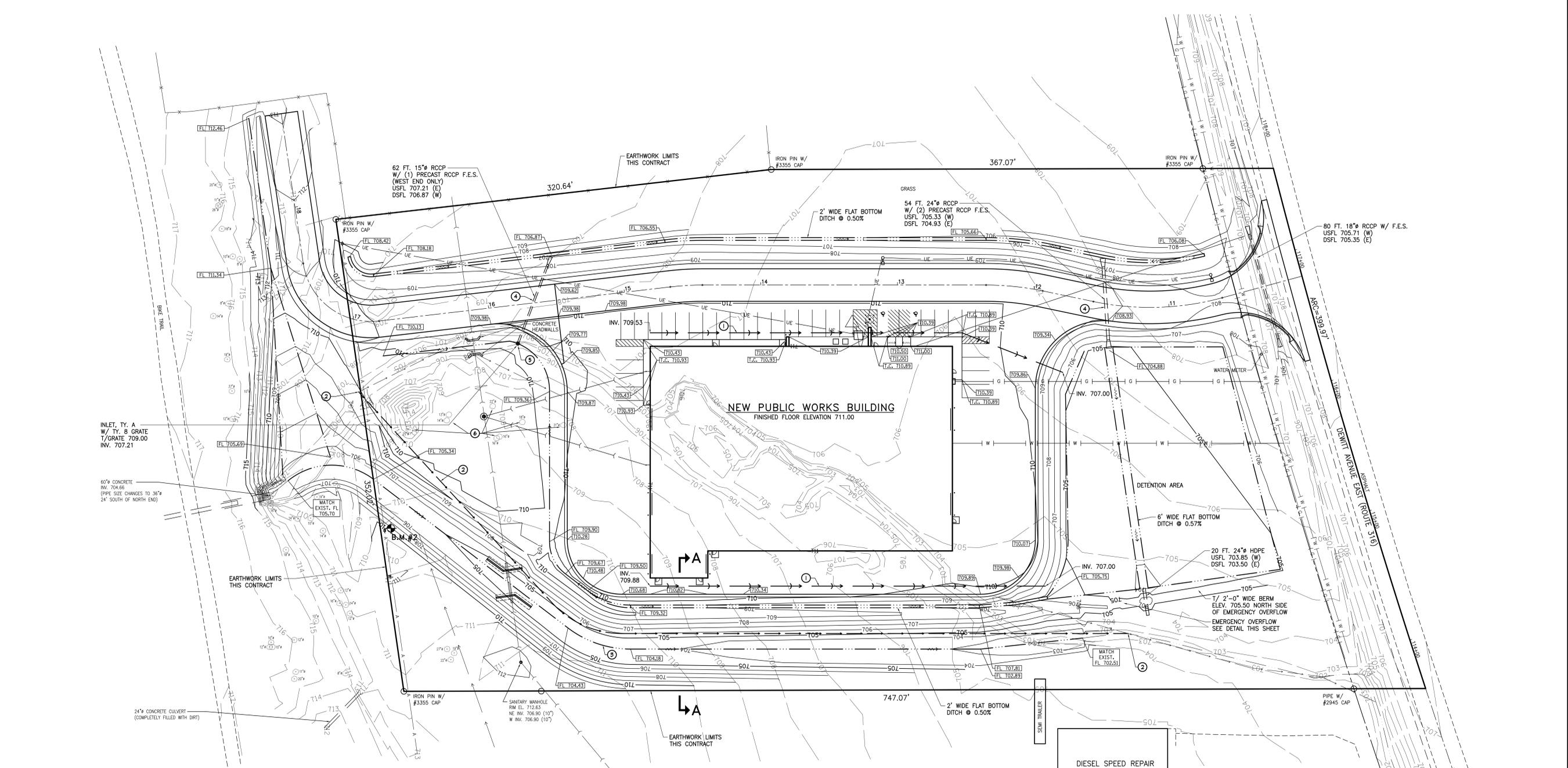
The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

- KEYED PLAN NOTES**
- NEW 10" PVC DOWNSPOUT DRAIN TO DITCH INSTALLED BY CONTRACTOR.
 - LOCATE EXISTING 12" FIELD TILE. CONNECT NEW RELOCATED 12" PVC FIELD TILE TO EXISTING FIELD TILE AT EACH END BY OWNER.
 - NEW RE-ALIGNED DITCH INSTALLED BY OWNER.
 - NEW PRECAST RC CULVERT PIPE WITH FLARED END SECTIONS INSTALLED BY CONTRACTOR.
 - NEW INLET INSTALLED BY CONTRACTOR.
 - PROTECT EXISTING TREES FROM DAMAGE DURING SEWER AND EARTHWORK CONSTRUCTION.



SECTION A-A THRU RELOCATED DITCH
 LOOKING DOWNSTREAM

EMERGENCY OVERFLOW DETAIL



A GRADING AND DRAINAGE SITE PLAN
 SCALE: 1" = 30'-0"

- GENERAL NOTES**
- RUNNING SLOPE ON ALL SIDEWALK ACCESSIBLE ROUTES SHALL BE NO GREATER THAN 5%. THE GROSS SLOPE ON THE SIDEWALKS SHALL BE NO GREATER THAN 2%.
 - PROPOSED SPOT ELEVATIONS SHOWN ARE PAVEMENT ELEVATIONS UNLESS NOTED OTHERWISE. (T.C. = TOP OF CURB) (FL = FLOWLINE OF DITCH)
 - ALL DRAINS SHALL BE PVC SDR 35 IN ACCORDANCE WITH SECTION 50 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, 7TH EDITION INSTALLED BY CONTRACTOR.
 - WHERE FLARED END SECTIONS ARE CALLED FOR, INVERTS ARE GIVEN TO THE OUTLET END OF THE FLARED END SECTION. PIPE CULVERT LENGTHS LISTED DO NOT INCLUDE FLARED END SECTION LENGTHS.

LEGEND

EXISTING	NEW
— A —	— UE —
— G —	— G —
— W —	— W —
— 702 —	— 702 —
— C —	— C —
— 702 —	— 702 —

AERIAL LINE
 UNDERGROUND ELECTRIC
 FIELD TILE
 GAS MAIN
 SANITARY SEWER
 STORM SEWER
 WATER MAIN
 FLOW LINE
 CONTOUR
 MANHOLE
 INLET
 FIRE HYDRANT
 SPOT ELEVATION

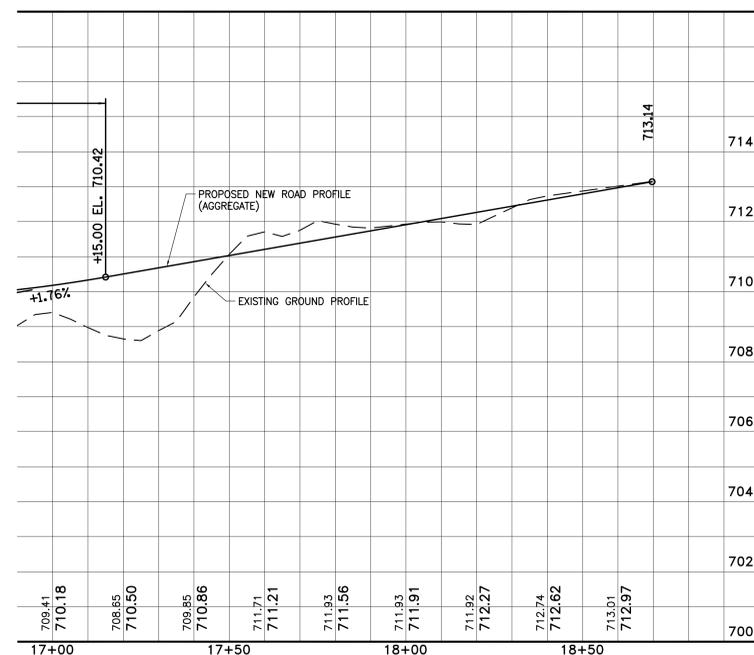
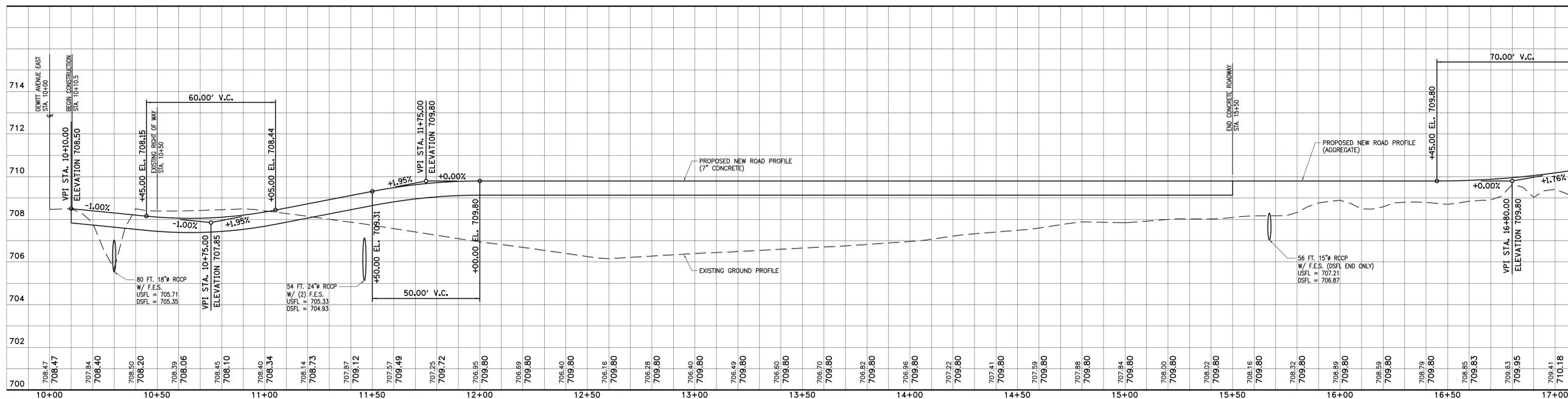
BENCH MARKS:

#1 TOP CAP BOLT OF FIRE HYDRANT LOCATED SOUTH OF DEWITT AVENUE EAST AND EAST OF SITE. ELEVATION = 706.47

#2 RAILROAD SPIKE IN EAST SIDE OF POWER POLE LOCATED NEAR MIDDLE OF SOUTH END OF SITE. ELEVATION = 711.41

The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

ROADWAY PROFILE



A ROADWAY PROFILE
C1.05 SCALE: 1" = 20'-0"

The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

City of Mattoon
Public Works Building
401 Dewitt Avenue East
Mattoon, Coles County, Illinois 61938

Drawn: **EHNS**
Date: **July 8, 2016**
Project No.: **2015010**



sheet no.

C1.05

STORM WATER POLLUTION PREVENTION PLAN

PROJECT: CITY OF MATTOON PUBLIC WORKS BUILDING
 ADDRESS: 401 DEWITT AVENUE EAST, MATTOON, IL 61938
 COUNTY: COLES

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY ON JULY 31, 2013 FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES. THIS PLAN HAS ALSO BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF NPDES PERMIT NUMBER ILR40 FOR DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS IF CHECKED BELOW.

NPDES PERMITS ASSOCIATED WITH THIS PROJECT:

- ILR10 PERMIT NO. (IF APPLICABLE): _____
 ILR40 PERMIT NO. (IF APPLICABLE): _____

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

DEAN BARBER _____
 PRINT NAME SIGNATURE
 DIRECTOR OF PUBLIC WORKS _____
 TITLE DATE
 CITY OF MATTOON _____
 AGENCY

I. SITE DESCRIPTION:

A. THE FOLLOWING IS A DESCRIPTION OF THE PROJECT LOCATION:

0.3 MILES EAST OF NORTH LOGAN STREET ON SOUTH SIDE OF DEWITT AVENUE EAST IN MATTOON, ILLINOIS

B. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

THE WORK INCLUDED IN THIS SECTION CONSISTS PRIMARILY OF 1) EARTH EXCAVATION TO BUILD THE BUILDING, PARKING LOT, AND SHAPE THE SITE; 2) TOPSOIL REMOVAL AND REPLACEMENT, 4"; 3) SEEDING, EROSION CONTROL, AND ALL OTHER ITEMS NECESSARY TO COMPLETE THE WORK; 4) DRAINAGE DITCH REALIGNMENT

C. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING:

GRADING AND DRAINAGE WORK SHALL BE STAGED AS FOLLOWS IN ORDER TO PROVIDE POSITIVE DRAINAGE, EROSION AND DEBRIS CONTROL.

1) INSTALL EROSION AND SEDIMENT CONTROL DEVICES IMMEDIATELY PRIOR TO AND AS CONSTRUCTION PROCEEDS TO PREVENT RUNOFF AND SEDIMENT ONTO ADJACENT PROPERTY AND TO KEEP SILT AND SEDIMENT FROM LEAVING SITE.

2) PLACE TEMPORARY EROSION CONTROL SEEDING PERIODICALLY AND PERMANENT SEEDING AS PORTIONS OF THE WORK ARE COMPLETED IN ORDER TO MINIMIZE EROSION AND SEDIMENT BUILD UP ON THE FINISHED DETENTION BASIN GRADES.

3) EXCAVATE THEN CONSTRUCT THE BUILDING PAD AND CONSTRUCT PARKING AND PAVED AREAS.

4) SPREAD TOPSOIL AND PERMANENTLY SEED, FERTILIZE, AND MULCH SITE.

5) FINAL SEED, FERTILIZE, MULCH, AND CLEAN UP.

6) REMOVE EROSION AND SEDIMENT CONTROL FEATURES AS TURF IN TRIBUTARY AREAS IS ESTABLISHED. FINAL GRADE AND SEED THOSE AREAS.

D. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 1.88 ACRES.

THE TOTAL AREA OF THE SITE THAT IS ESTIMATED WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS 4.79 ACRES.

E. THE FOLLOWING IS A WEIGHTED AVERAGE OF THE RUNOFF COEFFICIENT FOR THIS PROJECT AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED:

0.61

F. THE FOLLOWING IS A DESCRIPTION OF POTENTIALLY EROSION AREAS ASSOCIATED WITH THIS PROJECT:

RE-ALIGNED DRAINAGE DITCH.

G. THE FOLLOWING IS A DESCRIPTION OF SOIL DISTURBING ACTIVITIES, THEIR LOCATIONS, AND THEIR EROSION FACTORS (E.G. STEEPNESS OF SLOPES, LENGTH OF SLOPES, ETC):

1) EARTH EXCAVATION TO BUILD THE BUILDING AND SHAPE THE SITE; 2) TOPSOIL REMOVAL AND REPLACEMENT;
 3) DRAINAGE DITCH RE-ALIGNMENT.

H. SEE THE EROSION CONTROL PLANS AND/OR DRAINAGE PLANS FOR THIS CONTRACT FOR INFORMATION REGARDING DRAINAGE PATTERNS, APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AND CONTROLS TO PREVENT OFFSITE SEDIMENT TRACKING (TO BE ADDED AFTER CONTRACTOR IDENTIFIES LOCATIONS), AREAS OF SOIL DISTURBANCE, THE LOCATIONS OF MAJOR STRUCTURAL, AND NON-STRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS) AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO SURFACE WATER INCLUDING WETLANDS.

I. THE FOLLOWING IS A LIST OF RECEIVING WATER(S) AND THE ULTIMATE RECEIVING WATER(S):

DRAINAGE DITCH, RILEY CREEK.

J. THE FOLLOWING POLLUTANTS OF CONCERN WILL BE ASSOCIATED WITH THIS CONSTRUCTION PROJECT:

- | | |
|--|--|
| <input checked="" type="checkbox"/> SOIL SEDIMENT | <input checked="" type="checkbox"/> PETROLEUM (GAS, DIESEL, OIL, KEROSENE, HYDRAULIC OIL / FLUIDS) |
| <input checked="" type="checkbox"/> CONCRETE | <input checked="" type="checkbox"/> ANTIFREEZE / COOLANTS |
| <input checked="" type="checkbox"/> CONCRETE TRUCK WASTE | <input type="checkbox"/> WASTEWATER FROM CLEANING CONSTRUCTION EQUIPMENT |
| <input checked="" type="checkbox"/> SOLVENTS | <input type="checkbox"/> OTHER (SPECIFY) |
| <input checked="" type="checkbox"/> FERTILIZERS / PESTICIDES | <input type="checkbox"/> OTHER (SPECIFY) |

II. CONTROLS:

THIS SECTION OF THE PLAN ADDRESSES THE CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN I.C. ABOVE AND FOR ALL USE AREAS, BORROW SITES, AND WASTE SITES. FOR EACH MEASURE DISCUSSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. THE CONTRACTOR SHALL PROVIDE TO THE RESIDENT ENGINEER A PLAN FOR THE IMPLEMENTATION OF THE MEASURES INDICATED. THE CONTRACTOR, AND SUBCONTRACTORS, WILL NOTIFY THE RESIDENT ENGINEER OF ANY PROPOSED CHANGES, MAINTENANCE, OR MODIFICATIONS TO KEEP CONSTRUCTION ACTIVITIES COMPLIANT WITH THE PERMIT. EACH SUCH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH ARE ATTACHED TO, AND ARE A PART OF, THIS PLAN:

A. EROSION AND SEDIMENT CONTROLS

1) STABILIZED SCHEDULING: PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES, INCLUDING SITE SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SODDING, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES. EXCEPT AS PROVIDED BELOW IN II(A)(1)(A) AND II(A)(3), STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF 21 OR MORE CALENDAR DAYS.

a) WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE THEREAFTER.

THE FOLLOWING STABILIZATION PRACTICES WILL BE USED FOR THIS PROJECT:

- | | |
|---|---|
| <input checked="" type="checkbox"/> PRESERVATION OF MATURE VEGETATION | <input type="checkbox"/> EROSION CONTROL BLANKET / MULCHING |
| <input type="checkbox"/> VEGETATED BUFFER STRIPS | <input type="checkbox"/> SODDING |
| <input type="checkbox"/> PROTECTION OF TREES | <input type="checkbox"/> GEOTEXTILES |
| <input checked="" type="checkbox"/> TEMPORARY EROSION CONTROL SEEDING | <input type="checkbox"/> OTHER (SPECIFY) |
| <input type="checkbox"/> TEMPORARY TURF (SEEDING, CLASS 7) | <input type="checkbox"/> OTHER (SPECIFY) |
| <input type="checkbox"/> TEMPORARY MULCHING | <input type="checkbox"/> OTHER (SPECIFY) |
| <input checked="" type="checkbox"/> PERMANENT SEEDING | <input type="checkbox"/> OTHER (SPECIFY) |

DESCRIBED HOW THE STABILIZATION PRACTICES LISTED ABOVE WILL BE UTILIZED:

THE INTENT OF THE STABILIZATION PRACTICES IS TO PROVIDE PERMANENT SEEDING, MULCH, AND OTHER PERMANENT EROSION CONTROL DEVICES ON DISTURBED AREAS AS SOON AS PRACTICABLE. TEMPORARY SEEDING FOR EROSION CONTROL WILL BE PLACED AS SOON AS POSSIBLE ON DISTURBED AREAS, UNTIL PERMANENT CONTROLS CAN BE INSTALLED. EROSION CONTROL BLANKETS OR MULCHING WILL BE UTILIZED ON SLOPES GREATER THAN 3:1.

2) STRUCTURAL PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL BE IMPLEMENTED, TO THE DEGREE ATTAINABLE, TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: PERIMETER EROSION BARRIER, EARTH DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, DITCH CHECKS, SUBSURFACE DRAINS, PIPE SLOPE DRAINS, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, ROCK OUTLET PROTECTION, REINFORCED SOIL RETAINING SYSTEMS, GABIONS, AND TEMPORARY OR PERMANENT SEDIMENT BASINS. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

THE FOLLOWING STABILIZATION PRACTICES WILL BE USED FOR THIS PROJECT:

- | | |
|--|--|
| <input checked="" type="checkbox"/> PERIMETER EROSION BARRIER | <input type="checkbox"/> ROCK OUTLET PROTECTION |
| <input checked="" type="checkbox"/> TEMPORARY DITCH CHECK | <input type="checkbox"/> RIP RAP |
| <input checked="" type="checkbox"/> STORM DRAIN INLET PROTECTION | <input type="checkbox"/> GABIONS |
| <input type="checkbox"/> SEDIMENT TRAP | <input type="checkbox"/> SLOPE MATTRESS |
| <input type="checkbox"/> TEMPORARY PIPE SLOPE DRAIN | <input type="checkbox"/> RETAINING WALLS |
| <input type="checkbox"/> TEMPORARY SEDIMENT BASIN | <input type="checkbox"/> SLOPE WALLS |
| <input type="checkbox"/> TEMPORARY STREAM CROSSING | <input type="checkbox"/> CONCRETE REVETMENT MATS |
| <input type="checkbox"/> STABILIZED CONSTRUCTION EXITS | <input type="checkbox"/> LEVEL SPREADERS |
| <input type="checkbox"/> TURF REINFORCEMENT MATS | <input type="checkbox"/> OTHER (SPECIFY) |
| <input type="checkbox"/> PERMANENT CHECK DAMS | <input type="checkbox"/> OTHER (SPECIFY) |
| <input type="checkbox"/> PERMANENT SEDIMENT BASIN | <input type="checkbox"/> OTHER (SPECIFY) |
| <input type="checkbox"/> AGGREGATE DITCH | <input type="checkbox"/> OTHER (SPECIFY) |
| <input type="checkbox"/> PAVED DITCH | <input type="checkbox"/> OTHER (SPECIFY) |

DESCRIBED HOW THE STABILIZATION PRACTICES LISTED ABOVE WILL BE UTILIZED:

PERIMETER EROSION BARRIER WILL BE USED AT LOCATIONS WHERE SEDIMENT MAY ESCAPE THE PROPERTY.

3) STORM WATER MANAGEMENT: PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

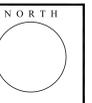
a) SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: STORM WATER DETENTION STRUCTURES (INCLUDING WET PONDS), STORM WATER RETENTION STRUCTURES, FLOW ATTENUATION BY USE OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS, INFILTRATION OF RUNOFF ON SITE, AND SEQUENTIAL SYSTEMS (WHICH COMBINE SEVERAL PRACTICES).

THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF THE TECHNICAL GUIDANCE IN SECTION 59-8 (EROSION AND SEDIMENT CONTROL) IN CHAPTER 59 (LANDSCAPE DESIGN AND EROSION CONTROL) OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF DESIGN AND ENVIRONMENT MANUAL. IF PRACTICES OTHER THAN THOSE DISCUSSED IN SECTION 59-8 ARE SELECTED FOR IMPLEMENTATION OR IF PRACTICES ARE APPLIED TO SITUATIONS DIFFERENT FROM THOSE COVERED IN SECTION 59-8, THE TECHNICAL BASIS FOR SUCH DECISIONS WILL BE EXPLAINED BELOW.

b) VELOCITY DISSIPATION DEVICES WILL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G. MAINTENANCE OF HYDROLOGIC CONDITIONS SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES).

DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS.

INLET PROTECTION WILL BE PLACED ON ALL STORM INLETS AND AT PIPE INLETS.



STORM WATER POLLUTION PREVENTION PLAN (cont'd)

4) OTHER CONTROLS:

- a) VEHICLE ENTRANCES AND EXITS – STABILIZED CONSTRUCTION ENTRANCES AND EXITS MUST BE CONSTRUCTED TO PREVENT TRACKING OF SEDIMENTS ONTO ROADWAYS.
- b) MATERIAL DELIVERY, STORAGE, AND USE – THE FOLLOWING BMPS SHALL BE IMPLEMENTED TO HELP PREVENT DISCHARGES OF CONSTRUCTION MATERIALS DURING DELIVERY, STORAGE, AND USE:
 - * ALL PRODUCTS DELIVERED TO THE PROJECT SITE MUST BE PROPERLY LABELED.
 - * WATER TIGHT SHIPPING CONTAINERS AND/OR SEMI TRAILERS SHALL BE USED TO STORE HAND TOOLS, SMALL PARTS, AND MOST CONSTRUCTION MATERIALS THAT CAN BE CARRIED BY HAND, SUCH AS PAINT CANS, SOLVENTS, AND GREASE.
 - * A STORAGE/CONTAINMENT FACILITY SHOULD BE CHOSEN FOR LARGER ITEMS SUCH AS DRUMS AND ITEMS SHIPPED OR STORED ON PALLETS. SUCH MATERIAL IS TO BE COVERED BY A TIN ROOF OR LARGE SHEETS OF PLASTIC TO PREVENT PRECIPITATION FROM COMING IN CONTACT WITH THE PRODUCTS BEING STORED.
 - * LARGE ITEMS SUCH AS LIGHT STANDS, FRAMING MATERIALS AND LUMBER SHALL BE STORED IN THE OPEN IN A GENERAL STORAGE AREA. SUCH MATERIAL SHALL BE ELEVATED WITH WOOD BLOCKS TO MINIMIZE CONTACT WITH STORM WATER RUNOFF.
 - * SPILL CLEAN-UP MATERIALS, MATERIAL SAFETY DATA SHEETS, AN INVENTORY OF MATERIALS, AND EMERGENCY CONTACT NUMBERS SHALL BE MAINTAINED AND STORED IN ONE DESIGNATED AREA AND EACH CONTRACTOR IS TO INFORM HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER OF THIS LOCATION.
- c) STOCKPILE MANAGEMENT – BMPS SHALL BE IMPLEMENTED TO REDUCE OR ELIMINATE POLLUTION OF STORM WATER FROM STOCKPILES OF SOIL AND PAVING MATERIALS SUCH AS BUT NOT LIMITED TO PORTLAND CEMENT CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, AGGREGATE SUBBASE, AND PRE-MIXED AGGREGATE. THE FOLLOWING BMPS MAY BE CONSIDERED:
 - * PERIMETER EROSION BARRIER
 - * TEMPORARY SEEDING
 - * TEMPORARY MULCH
 - * PLASTIC COVERS
 - * SOIL BINDERS
- d) WASTE DISPOSAL. NO MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- e) THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.
- f) THE CONTRACTOR SHALL PROVIDE A WRITTEN AND GRAPHIC PLAN TO THE RESIDENT ENGINEER IDENTIFYING WHERE EACH OF THE ABOVE AREAS WILL BE LOCATED AND HOW THEY ARE TO BE MANAGED.

5) APPROVED STATE OR LOCAL LAWS

THE MANAGEMENT PRACTICES, CONTROLS AND PROVISIONS CONTAINED IN THIS PLAN WILL BE IN ACCORDANCE WITH IDOT SPECIFICATIONS, WHICH ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S ILLINOIS URBAN MANUAL, 1995. PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS SHALL BE DESCRIBED OR INCORPORATED BY REFERENCE IN THE SPACE PROVIDED BELOW. REQUIREMENTS SPECIFIED IN SEDIMENT AND EROSION SITE PLANS, SITE PERMITS, STORM WATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF AN NOI, TO BE AUTHORIZED TO DISCHARGE UNDER PERMIT ILR10 INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

DESCRIPTION OF PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS.

III. MAINTENANCE:

THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT WILL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, THE VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN. THE RESIDENT ENGINEER WILL PROVIDE MAINTENANCE GUIDES TO THE CONTRACTOR FOR THE PRACTICES ASSOCIATED WITH THIS PROJECT.

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS ARE SEEDED AND ESTABLISHED WITH A PROPER STAND.

PIPE AND INLET PROTECTION DEVICE AND PERIMETER EROSION BARRIERS SHALL HAVE THE SEDIMENT REMOVED AND REPLACED AS NEEDED. PIPE AND INLET PROTECTION DEVICES AND PERIMETER EROSION BARRIERS SHALL BE REPLACED AS NEEDED. TEMPORARY SEEDING FOR EROSION CONTROL SHALL BE CONTINUOUSLY IMPLEMENTED AS NEEDED.

ONCE PERMANENT EROSION CONTROL SYSTEMS AND ITEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDED.

IV. INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT YET BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES AND EQUIPMENT ENTER AND EXIT THE SITE. SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL.

- A. DISTURBED AREAS, USE AREAS (STORAGE OF MATERIALS, STOCKPILES, MACHINE MAINTENANCE, FUELING, ETC.), BORROW SITES, AND WASTE SITES SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS OR POINTS THAT ARE ACCESSIBLE, SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF SITE SEDIMENT TRACKING.
- B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN SECTION I ABOVE AND POLLUTION PREVENTION MEASURES IDENTIFIED IN SECTION II ABOVE SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN 1/2 HOUR TO 1 WEEK BASED ON THE URGENCY OF THE SITUATION. THE RESIDENT ENGINEER WILL NOTIFY THE CONTRACTOR OF THE TIME REQUIRED TO IMPLEMENT SUCH ACTIONS THROUGH THE WEEKLY INSPECTION REPORT.
- C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION IV(B) SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF THE INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.
- D. IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE RESIDENT ENGINEER SHALL COMPLETE AND FILE AN "INCIDENCE OF NONCOMPLIANCE" (ION) REPORT FOR THE IDENTIFIED VIOLATION. THE RESIDENT ENGINEER SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.

THE INCIDENCE OF NON-COMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 DIVISION OF WATER POLLUTION CONTROL
 ATTN: COMPLIANCE ASSURANCE SECTION
 1021 NORTH GRAND EAST
 POST OFFICE BOX 19276
 SPRINGFIELD, ILLINOIS 62794-9276

V. NON-STORM WATER DISCHARGES:

EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER THAT IS COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY ADDRESSED IN THIS PLAN MUST BE DESCRIBED BELOW. APPROPRIATE POLLUTION PREVENTION MEASURES, AS DESCRIBED BELOW, WILL BE IMPLEMENTED FOR THE NON-STORM WATER COMPONENT(S) OF THE DISCHARGE.

- A. SPILL PREVENTION AND CONTROL – BMPS SHALL BE IMPLEMENTED TO CONTAIN AND CLEAN-UP SPILLS AND PREVENT MATERIAL DISCHARGES TO THE STORM DRAIN SYSTEM. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OF ANY SPILLS IMMEDIATELY.
- B. CONCRETE RESIDUALS AND WASHOUT WASTES – THE FOLLOWING BMPS SHALL BE IMPLEMENTED TO CONTROL RESIDUAL CONCRETE, CONCRETE SEDIMENTS, AND RINSE WATER:
 - * TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED FOR RINSING OUT CONCRETE TRUCKS. SIGNS SHALL BE INSTALLED DIRECTING CONCRETE TRUCK DRIVERS WHERE DESIGNATED WASHOUT FACILITIES ARE LOCATED.
 - * ALL TEMPORARY CONCRETE WASHOUT FACILITIES ARE TO BE INSPECTED BY THE CONTRACTOR AFTER EACH USE AND ALL SPILLS MUST BE REPORTED TO THE RESIDENT ENGINEER AND CLEANED UP IMMEDIATELY.
 - * CONCRETE WASTE SOLIDS/LIQUIDS SHALL BE DISPOSED OF PROPERLY.
- C. LITTER MANAGEMENT – A PROPER NUMBER OF DUMPSTERS SHALL BE PROVIDED ON SITE TO HANDLE DEBRIS AND LITTER ASSOCIATED WITH THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING HIS/HER EMPLOYEES PLACE ALL LITTER INCLUDING MARKING PAINT CANS, SODA CANS, FOOD WRAPPERS, WOOD LATHE, MARKING RIBBON, CONSTRUCTION STRING, AND ALL OTHER CONSTRUCTION RELATED LITTER IN THE PROPER DUMPSTERS.
- D. VEHICLE AND EQUIPMENT CLEANING – VEHICLES AND EQUIPMENT ARE TO BE CLEANED OFF SITE.
- E. VEHICLE AND EQUIPMENT FUELING – A VARIETY OF BMPS CAN BE IMPLEMENTED DURING FUELING OF VEHICLES AND EQUIPMENT TO PREVENT POLLUTION. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER HOW (S)HE WILL BE INFORMING HIS/HER EMPLOYEES OF THESE BMPS (I.E. SIGNS, TRAINING, ETC.). BELOW ARE A FEW EXAMPLES OF THESE BMPS:
 - * CONTAINMENT
 - * SPILL PREVENTION AND CONTROL
 - * USE OF DRIP PANS AND ABSORBENTS
 - * AUTOMATIC SHUT-OFF NOZZLES
 - * TOPPING OFF RESTRICTIONS
 - * LEAK INSPECTION AND REPAIR
 - * ONLY OFF ROAD VEHICLES WILL BE FUELED ON-SITE. ALL OTHERS FUELED OFF-SITE ONLY.
- F. VEHICLE AND EQUIPMENT MAINTENANCE – ON SITE MAINTENANCE MUST BE PERFORMED IN ACCORDANCE WITH ALL ENVIRONMENTAL LAWS SUCH AS PROPER STORAGE AND NO DUMPING OF OLD ENGINE OIL OR OTHER FLUIDS ON SITE.

VI. FAILURE TO COMPLY:

FAILURE TO COMPLY WITH ANY PROVISIONS OF THIS STORM WATER POLLUTION PREVENTION PLAN WILL RESULT IN THE IMPLEMENTATION OF AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION AGAINST THE CONTRACTOR AND/OR PENALTIES UNDER THE NPDES PERMIT WHICH COULD BE PASSED ON TO THE CONTRACTOR.

THIS CERTIFICATION STATEMENT IS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR THE PROJECT DESCRIBED BELOW, IN ACCORDANCE WITH NPDES PERMIT NO. ILR10 ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY ON JULY 31, 2013.

CONTRACTOR CERTIFICATION STATEMENT

PROJECT: CITY OF MATTOON PUBLIC WORKS BUILDING
 ADDRESS: 401 DEWITT AVENUE EAST, MATTOON, IL 61938
 COUNTY: COLES

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION. I HAVE READ AND UNDERSTAND ALL OF THE INFORMATION AND REQUIREMENTS STATED IN THE STORM WATER POLLUTION PREVENTION PLAN FOR THE ABOVE MENTIONED PROJECT. I HAVE PROVIDED ALL DOCUMENTATION REQUIRED TO BE IN COMPLIANCE WITH THE ILR10 AND STORM WATER POLLUTION PREVENTION PLAN AND WILL PROVIDE TIMELY UPDATES TO THESE DOCUMENTS AS NECESSARY.

CONTRACTOR

SUB-CONTRACTOR

 PRINT NAME

 SIGNATURE

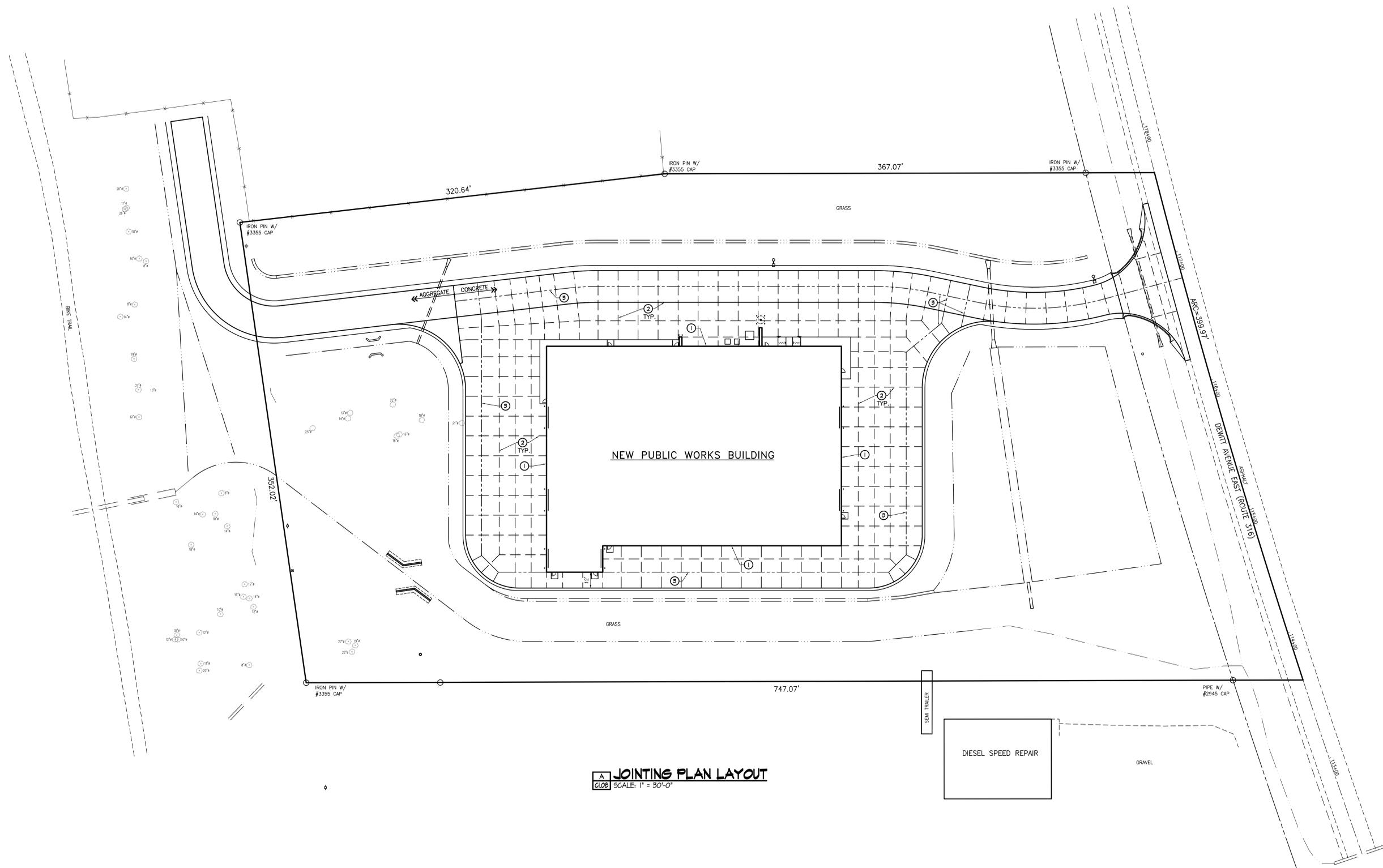
 TITLE

 DATE

 NAME OF FIRM

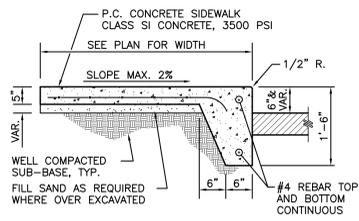
 TELEPHONE

The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

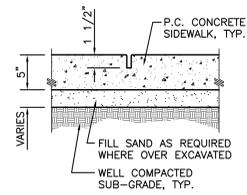


- KEYED PLAN NOTES**
- ① INSTALL PRE-FORMED JOINT FILLER, 1" WHERE CONCRETE ABUTS BUILDING.
 - ② SAWED PAVEMENT CONTRACTION JOINT. SEE DETAIL 5 SHEET C5.01.
 - ③ TIED JOINT WITH 1/2" DIA. x 24" LONG REINFORCEMENT BARS AT 30" CENTERS. SEE DETAIL 6 SHEET C5.01.

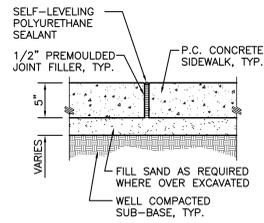
The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.



① SIDEWALK / CURB DETAIL

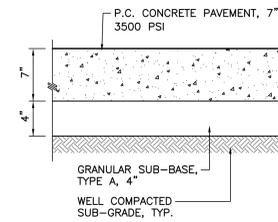


② SAWED / TOOLED JOINT
SIDEWALK: 6\"/>

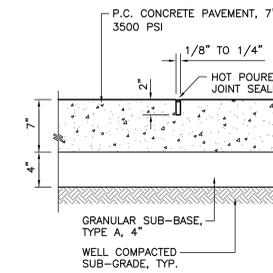


NOTE:
PROVIDE EXP. JOINT WHERE SIDEWALKS BUTT UP TO BUILDING

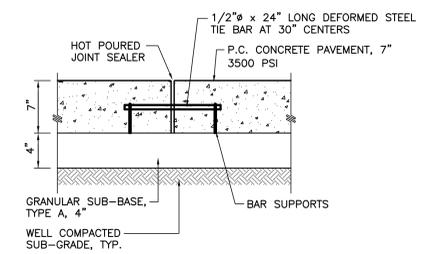
③ EXPANSION JOINT



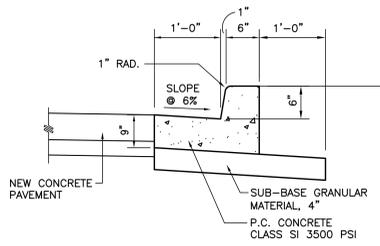
④ TYPICAL PAVEMENT DETAIL



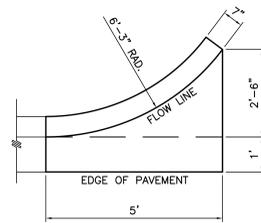
⑤ SAWED PAVEMENT JOINT DETAIL
SAW CUT AT MAXIMUM 15' SPACING EACH DIRECTION.



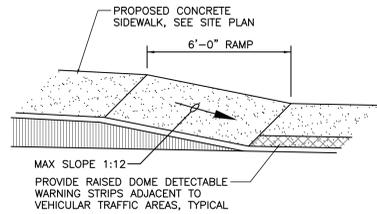
⑥ TIED/CONSTRUCTION JOINT DETAIL
TO BE USED AT ALL P.C. PAVEMENT CONSTRUCTION JOINTS



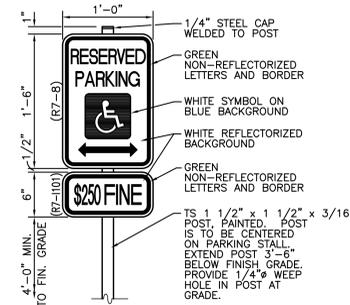
⑦ COMB. CONC. CURB AND GUTTER TYPE B-6.12
PER IDOT STD 606001



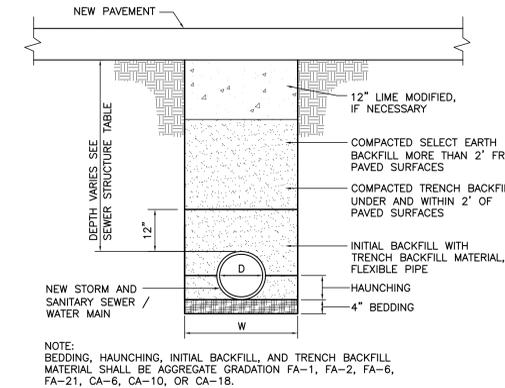
⑧ CONCRETE GUTTER OUTLET



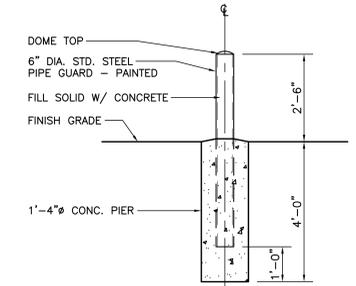
⑨ HANDICAP RAMP



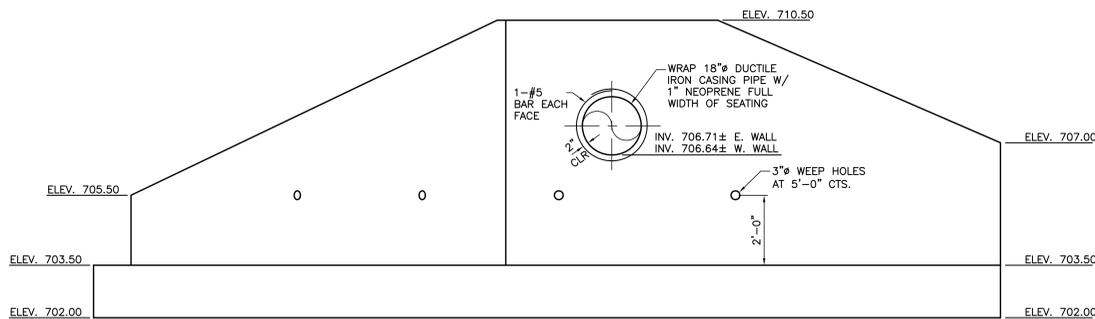
⑩ HANDICAP SIGN



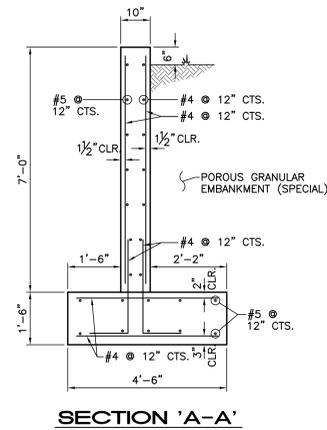
⑪ STORM AND WATER TRENCH DETAIL



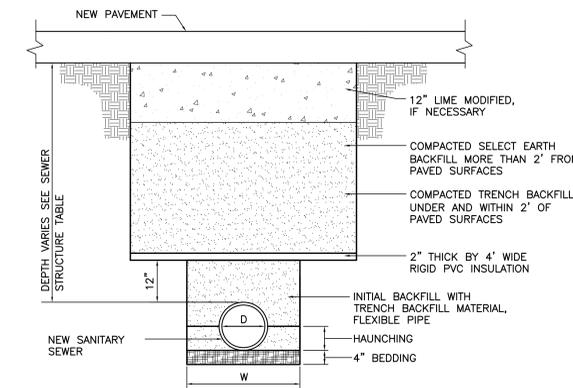
⑫ PIPE GUARD



ELEVATION

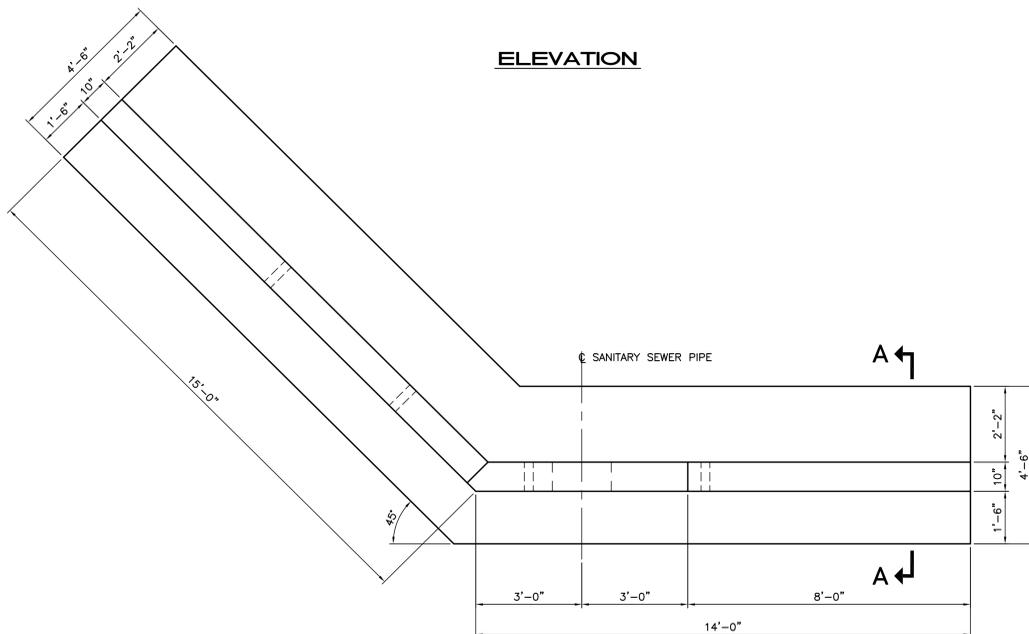


SECTION 'A-A'



NOTE:
BEDDING, HAUNCHING, INITIAL BACKFILL, AND TRENCH BACKFILL MATERIAL SHALL BE AGGREGATE GRADATION FA-1, FA-2, FA-6, FA-21, CA-6, CA-10, OR CA-18.

⑭ SANITARY TRENCH DETAIL



PLAN

⑬ HEADWALL DETAIL

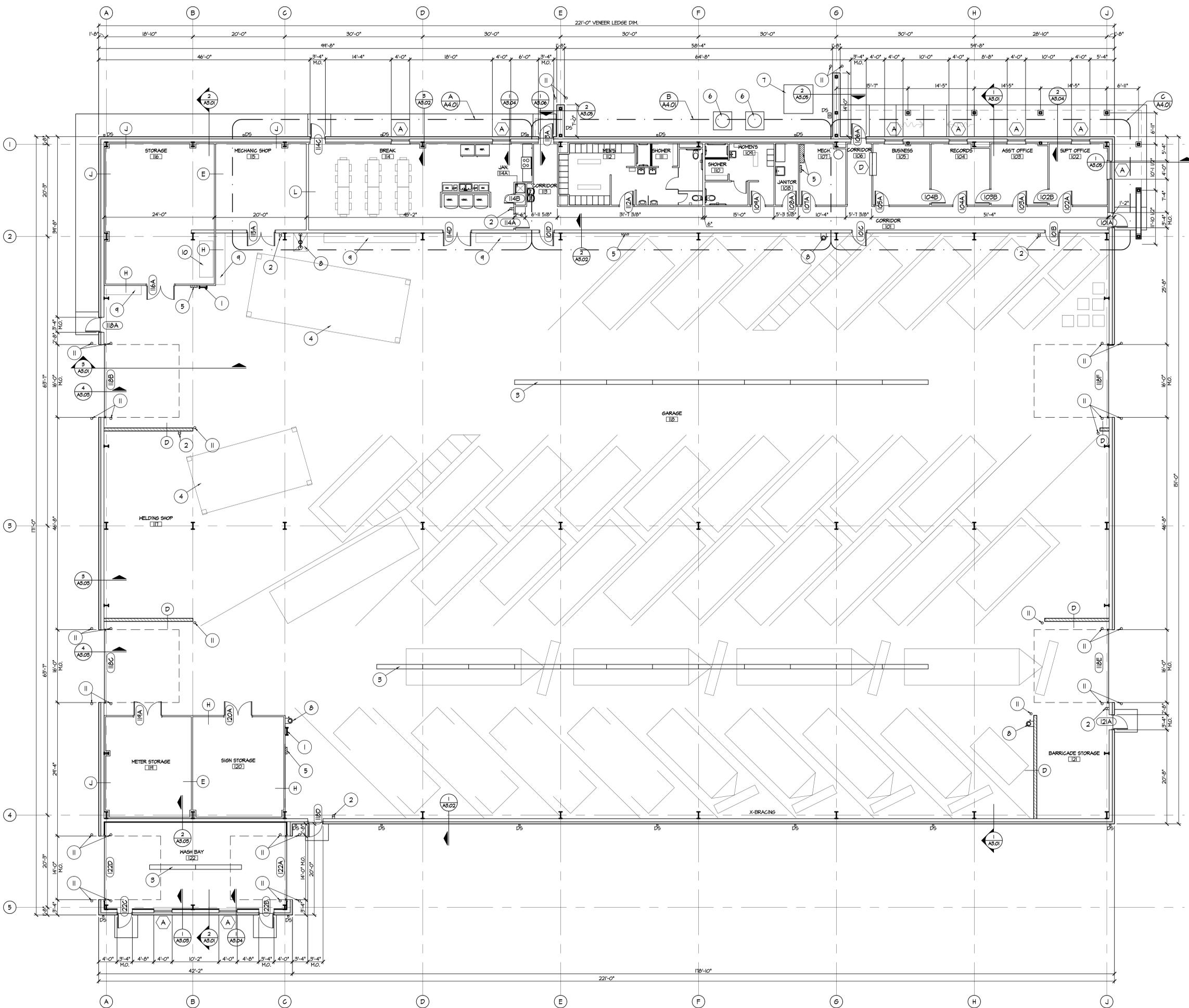
The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.



- LEGEND:**
- (PX) PARTITION/WALL TYPE, SEE SHEET A6.02
 - (XXX) DOOR NUMBER, SEE DOOR SCHEDULE SHEET A6.01
 - (A) WINDOW TYPE, SEE SCHEDULE A6.01
 - (H) H.F.E. WALL MOUNTED FIRE EXTINGUISHER
 - (DS) DOWNPOUT
 - (X) INTERIOR ELEVATIONS

- GENERAL NOTES**
1. ALL DIMENSIONS AT BRICK OR BLOCK WALLS ARE TO FACE OF MASONRY. ALL DIMENSIONS AT STUD WALLS ARE TO FACE OF STUD.
 2. ALL OFFICE PARTITIONS SHALL BE 12'-0" A.F.F.

- KEYED PLAN NOTES**
- 1 LADDER, SEE DETAIL 3/A3.05.
 - 2 FIRE EXTINGUISHER, DRY CHEMICAL TYPE, 10 POUND CAPACITY, WITH PRESSURE GAUGE, UL RATING: 4A 60BC
 - 3 TRENCH DRAIN
 - 4 4-POST ABOVE-GROUND CAR LIFT, CONTRACTOR FURNISHED, CONTRACTOR INSTALLED - SEE SPECIFICATIONS
 - 5 ELECTRIC PANELS, SEE ELECTRICAL DRAWINGS
 - 6 CONDENSING UNIT, SEE VENTILATION DRAWINGS
 - 7 TRANSFORMER, SEE ELECTRICAL DRAWINGS
 - 8 EMERGENCY SHOWER/EYEWASH STATION, SEE PLUMBING DRAWINGS
 - 9 WORK BENCH, BY OWNER
 - 10 SHOP AIR COMPRESSOR, SEE ELECTRICAL DRAWINGS
 - 11 PIPE BOLLARD, SEE CIVIL DRAWINGS



A FLOOR PLAN
A1.01 SCALE: 1/8" = 1'-0"

* NOTE: DIMENSIONS TO BE REFINED AFTER SHOP DRAWINGS FOR METAL BUILDING ARE APPROVED, TYP.

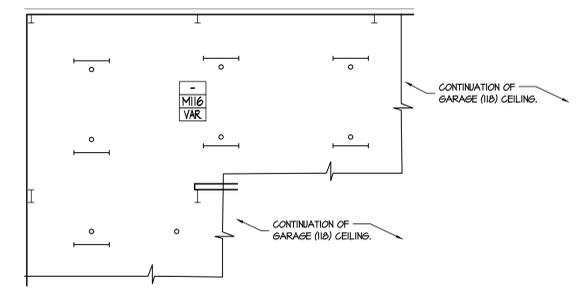
The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

CEILING MATERIAL TYPES

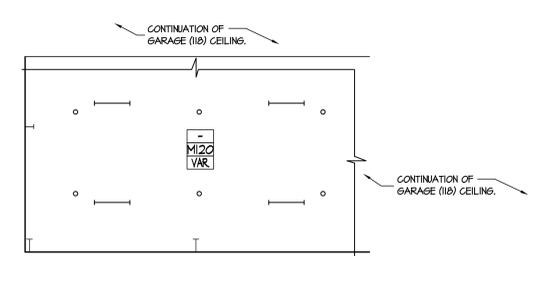
- TYPE A 2'x2' SUSPENDED ACOUSTICAL TILE CEILING
- TYPE B EXPOSED METAL DECK
- TYPE C PAINTED GYPSUM BOARD
- TYPE D FLUSH SOFFIT PANELS, EVERY 4TH PANEL SHOULD BE FLUSH VENTED PANEL, SEE SPECIFICATIONS.
- TYPE E LINER PANEL PROVIDED BY METAL BUILDING SUPPLIER

PLAN LEGEND

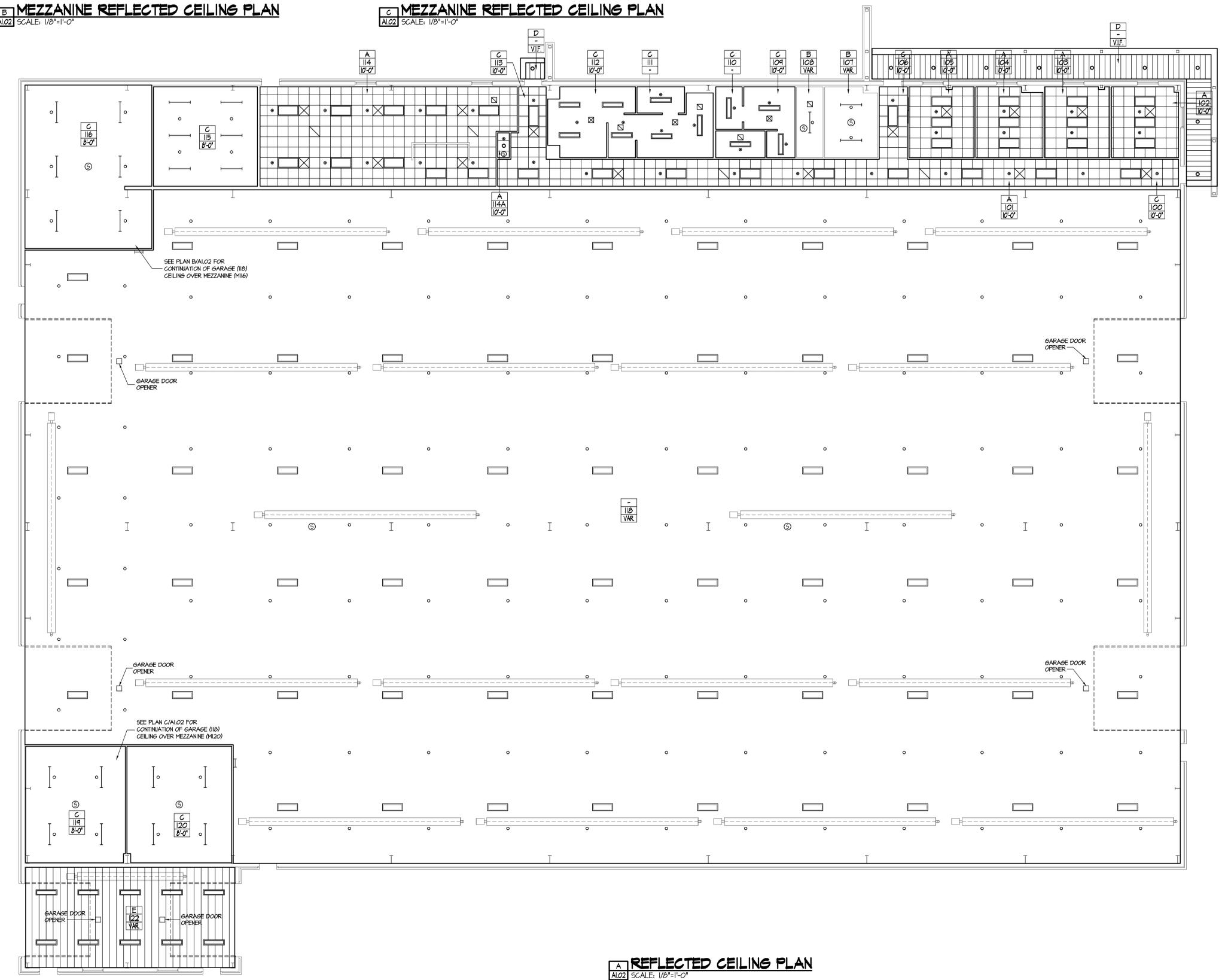
- 2' x 4' FLUORESCENT TROFFER
- 1' x 4' STATIC TROFFER
- 4' SINGLE STRIP FIXTURE
- RECESSED H.I.D. LIGHT FIXTURE
- STANDARD RECESSED PENDANT SPRINKLER HEAD
- STANDARD UPRIGHT SPRINKLER HEAD
- SMOKE DETECTOR
- SUPPLY DIFFUSER
- RETURN AIR DIFFUSER
- INFRARED HEATING UNIT
- CEILING TYPE
- ROOM NUMBER
- CEILING HEIGHT



B MEZZANINE REFLECTED CEILING PLAN
 A1.02 SCALE: 1/8"=1'-0"



C MEZZANINE REFLECTED CEILING PLAN
 A1.02 SCALE: 1/8"=1'-0"



A REFLECTED CEILING PLAN
 A1.02 SCALE: 1/8"=1'-0"

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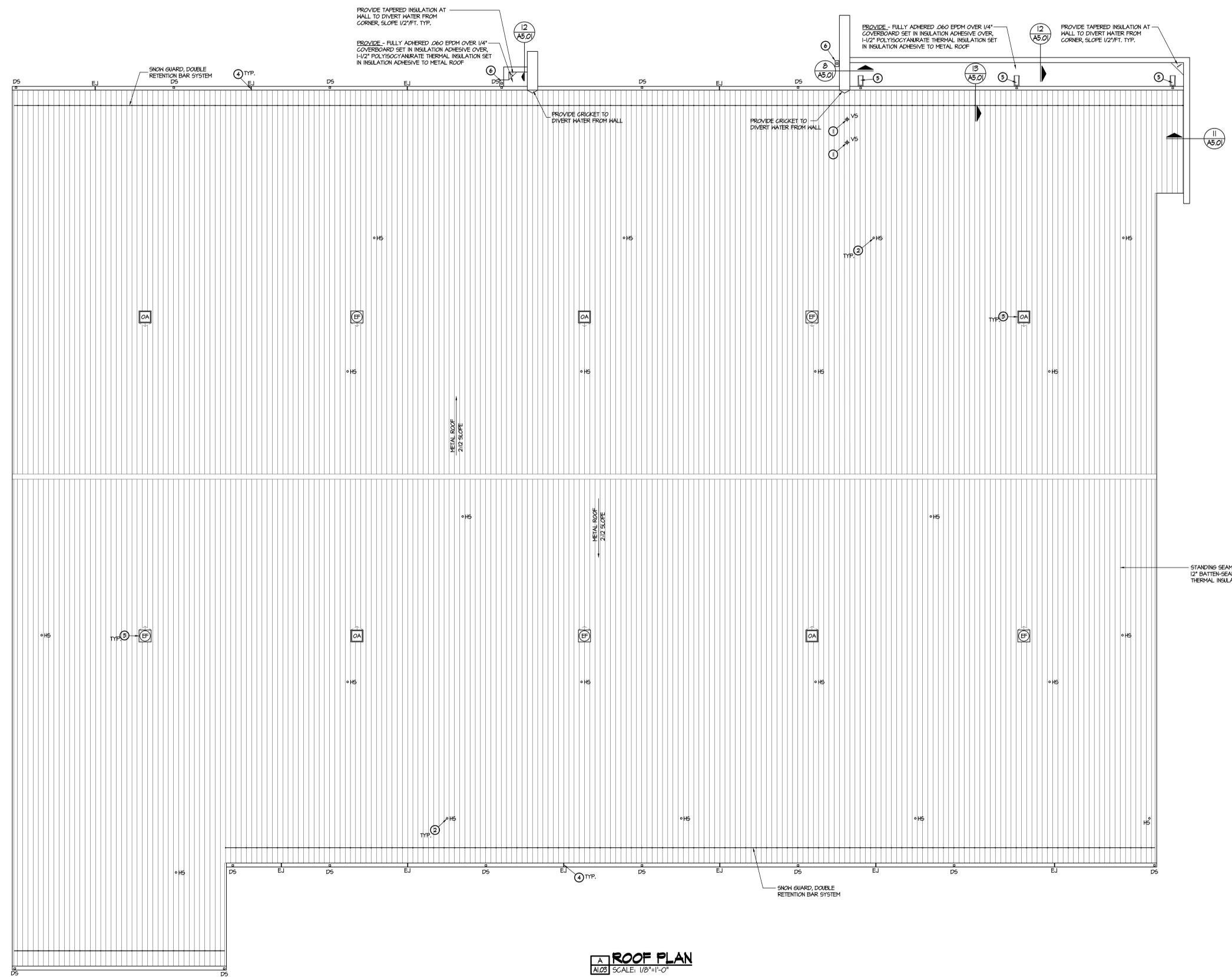


PLAN LEGEND

- EF EXHAUST FAN
- OA OUTSIDE AIR INTAKE
- V5 VENT STACK
- H5 HOT STACK
- DS DOWN SPOUT
- EJ GUTTER EXPANSION JOINT

PLAN NOTES:

- 1 VENT STACK FLASHING, TYPICAL, SEE DETAIL 1/A5.01.
- 2 HOT STACK FLASHING, TYPICAL, SEE DETAIL 2/A5.01.
- 3 EXHAUST FAN/OUTSIDE AIR INTAKE CURB, TYPICAL, SEE DETAIL 3/A5.01.
- 4 PROVIDE EXPANSION JOINT AT GUTTER, TYPICAL, SEE DETAIL 4/A5.01.
- 5 PROVIDE SPLASH BLOCK, SEE DETAIL 10/A5.01.
- 6 PROVIDE THRU-WALL SCUPPER AND CONDUCTOR HEAD, SEE DETAILS 8 & 9/A5.01.

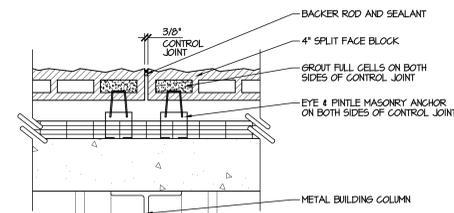


ROOF PLAN
SCALE: 1/8"=1'-0"

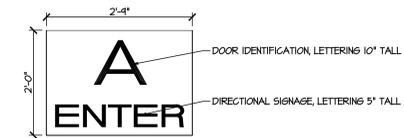
The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

EXTERIOR FINISH MATERIALS SCHEDULE

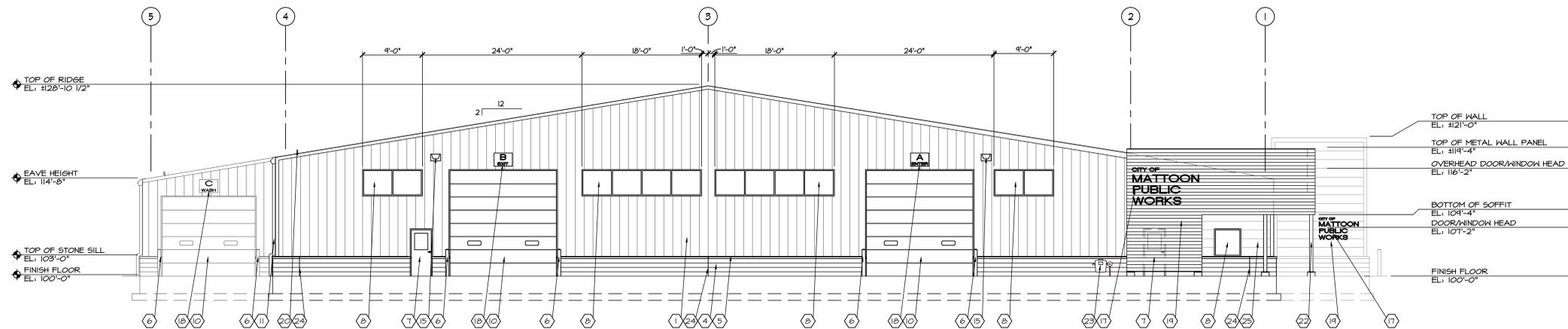
ITEM	COMPONENT	MATERIAL	FINISH/CODE
1	EXTERIOR WALL	METAL WALL PANELS (VERTICAL "PANEL A")	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
2	GUTTER	SEAMLESS GUTTER	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
3	ROOFING	STANDING SEAM METAL ROOF	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
4	MASONRY	SPLIT FACE BLOCK	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
5	MASONRY	STONE CAP	MATCH SPLIT FACE BLOCK
6	PIPE BOLLARD	SEE CIVIL DRAWINGS, SHEET C5.01	PAINTED YELLOW
7	ENTRANCE DOOR	SEE SHEET A6.01	SEE SHEET A6.01
8	EXTERIOR WINDOWS	SEE SHEET A6.01	SEE SHEET A6.01
9	FASCIA	PREFINISHED FASCIA	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
10	OVERHEAD DOOR	SEE SHEET A6.01	-
11	DOWNSPOUTS	PROVIDED WITH GUTTER SYSTEM	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
12	ELECTRIC TRANSFORMER	SEE ELECTRICAL DRAWINGS	-
13	ELECTRIC METER	SEE ELECTRICAL DRAWINGS	-
14	CONDENSING UNIT	SEE MECHANICAL DRAWINGS	-
15	EXTERIOR LIGHT FIXTURE	SEE ELECTRICAL DRAWINGS	-
16	EXHAUST FAN	SEE MECHANICAL DRAWINGS	-
17	BUILDING SIGNAGE	-	-
18	DOOR SIGNAGE	SEE DETAIL 2/A2.01	-
19	EXTERIOR WALL	METAL WALL PANELS (HORIZONTAL "PANEL B" - COLOR 1)	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
20	SNOW GUARD	DOUBLE RETENTION BAR SYSTEM	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
21	SCUPPER	PROVIDED WITH GUTTER SYSTEM	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
22	COLUMN	SEE STRUCTURAL DRAWINGS	PAINT SELECTED FROM STANDARD COLOR CHART
23	GAS METER	SEE MECHANICAL DRAWINGS	-
24	MASONRY CONTROL JOINT	SEE DETAIL 1/A2.01	-
25	EXTERIOR WALL	METAL WALL PANELS (HORIZONTAL "PANEL B" - COLOR 2)	SELECTED FROM MANUFACTURER STANDARD COLOR CHART



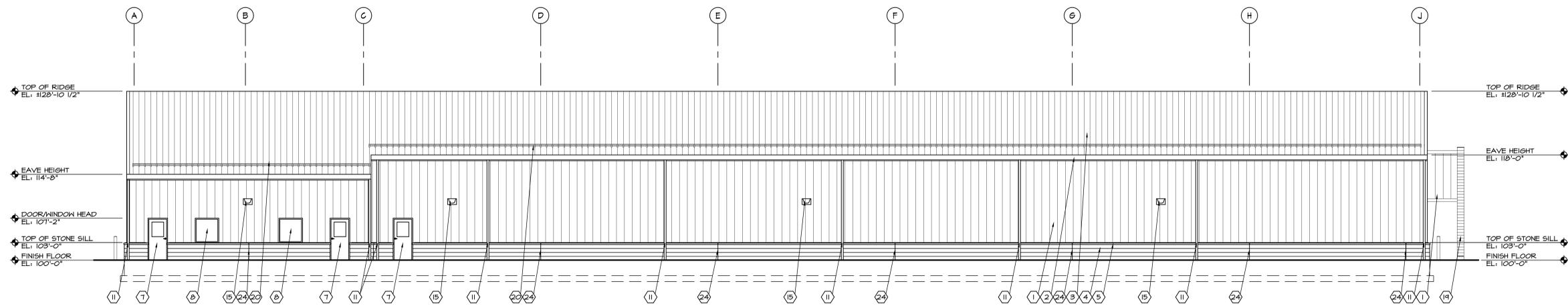
1 MASONRY CONTROL JOINT
A2.01 SCALE: 1 1/2" = 1'-0"



2 OVERHEAD DOOR SIGNAGE
A2.01 SCALE: 3/4" = 1'-0"



A NORTH ELEVATION
A2.01 SCALE: 1/8" = 1'-0"

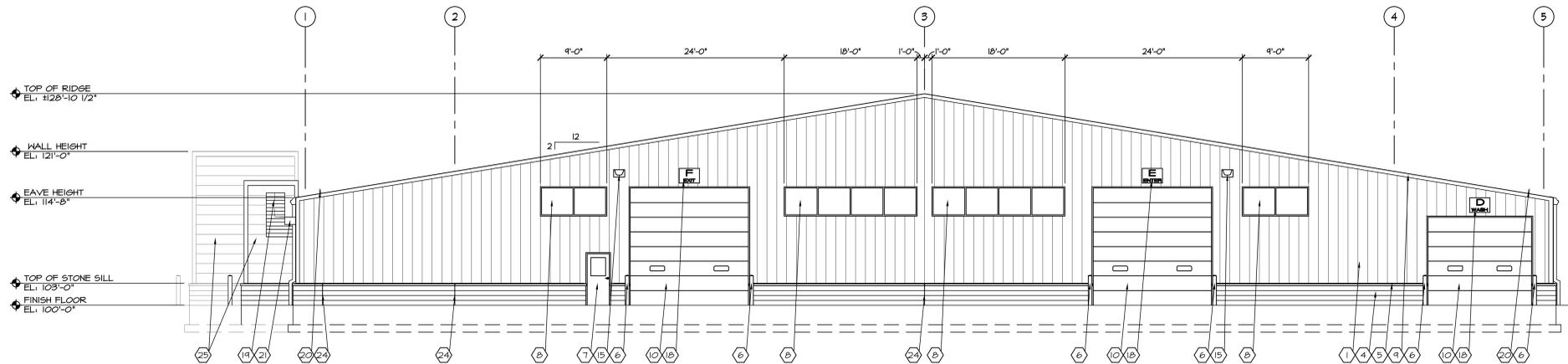


B EAST ELEVATION
A2.01 SCALE: 1/8" = 1'-0"

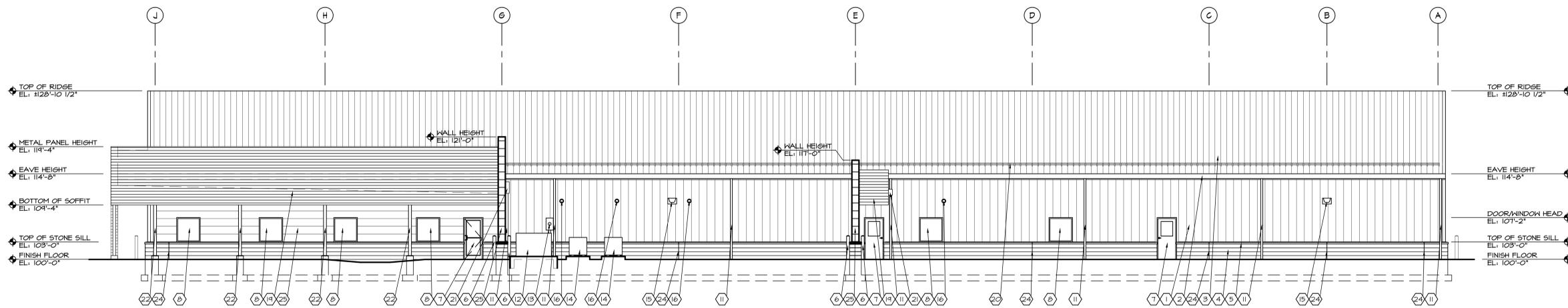
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EXTERIOR FINISH MATERIALS SCHEDULE

ITEM	COMPONENT	MATERIAL	FINISH/CODE
1	EXTERIOR WALL	METAL WALL PANELS (VERTICAL "PANEL A")	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
2	GUTTER	SEAMLESS GUTTER	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
3	ROOFING	STANDING SEAM METAL ROOF	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
4	MASONRY	SPLIT FACE BLOCK	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
5	MASONRY	STONE CAP	MATCH SPLIT FACE BLOCK
6	PIPE BOLLARD	SEE CIVIL DRAWINGS, SHEET C5.01	PAINTED YELLOW
7	ENTRANCE DOOR	SEE SHEET A6.01	SEE SHEET A6.01
8	EXTERIOR WINDOWS	SEE SHEET A6.01	SEE SHEET A6.01
9	FASCIA	PREFINISHED FASCIA	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
10	OVERHEAD DOOR	SEE SHEET A6.01	-
11	DOWNSPOUTS	PROVIDED WITH GUTTER SYSTEM	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
12	ELECTRIC TRANSFORMER	SEE ELECTRICAL DRAWINGS	-
13	ELECTRIC METER	SEE ELECTRICAL DRAWINGS	-
14	CONDENSING UNIT	SEE MECHANICAL DRAWINGS	-
15	EXTERIOR LIGHT FIXTURE	SEE ELECTRICAL DRAWINGS	-
16	EXHAUST FAN	SEE MECHANICAL DRAWINGS	-
17	BUILDING SIGNAGE	-	-
18	DOOR SIGNAGE	SEE DETAIL 2/A2.01	-
19	EXTERIOR WALL	METAL WALL PANELS (HORIZONTAL "PANEL B" - COLOR 1)	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
20	SNOW GUARD	DOUBLE RETENTION BAR SYSTEM	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
21	SCUPPER	PROVIDED WITH GUTTER SYSTEM	SELECTED FROM MANUFACTURER STANDARD COLOR CHART
22	COLUMN	SEE STRUCTURAL DRAWINGS	PAINT SELECTED FROM STANDARD COLOR CHART
23	GAS METER	SEE MECHANICAL DRAWINGS	-
24	MASONRY CONTROL JOINT	SEE DETAIL 1/A2.01	-
25	EXTERIOR WALL	METAL WALL PANELS (HORIZONTAL "PANEL B" - COLOR 2)	SELECTED FROM MANUFACTURER STANDARD COLOR CHART

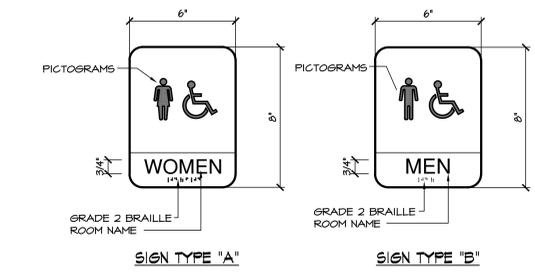
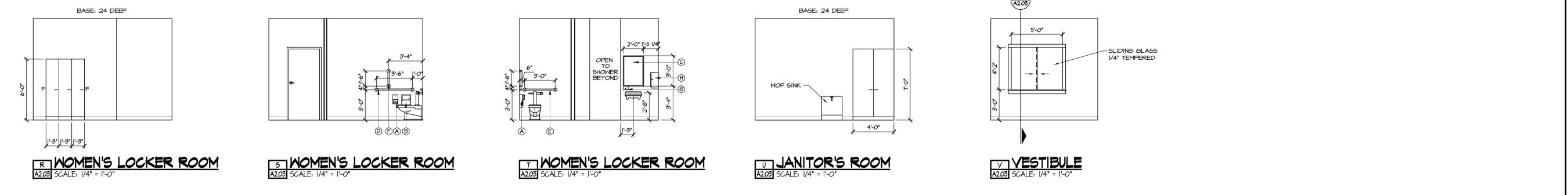
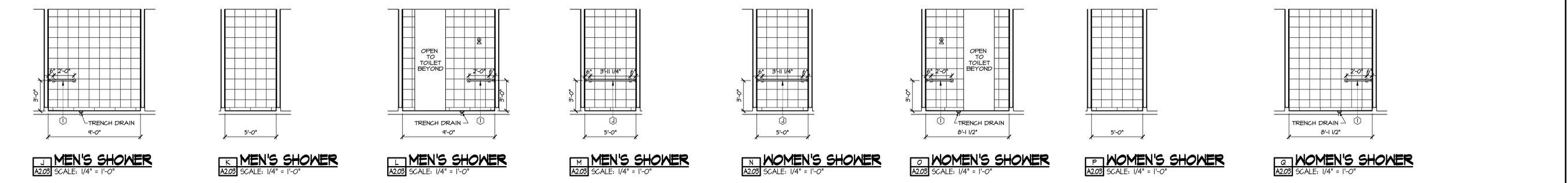
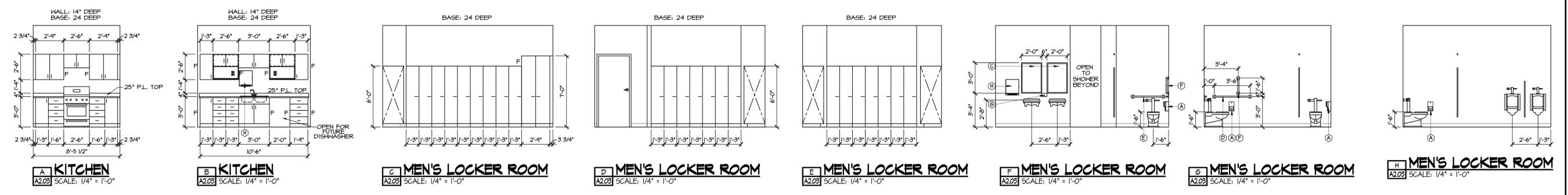


A SOUTH ELEVATION
A2.02 SCALE: 1/8" = 1'-0"



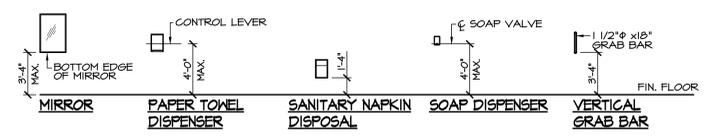
B WEST ELEVATION
A2.01 SCALE: 1/8" = 1'-0"

The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

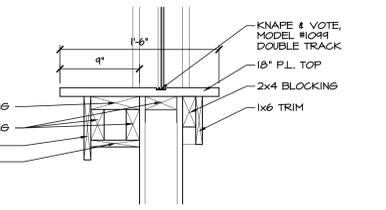


2 INTERIOR SIGNAGE DETAILS
SCALE: N.T.S.

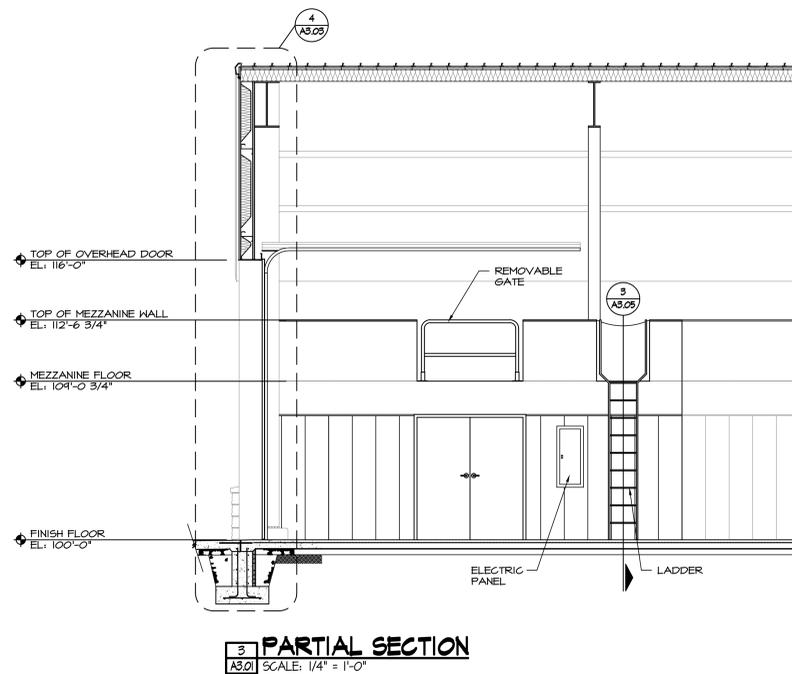
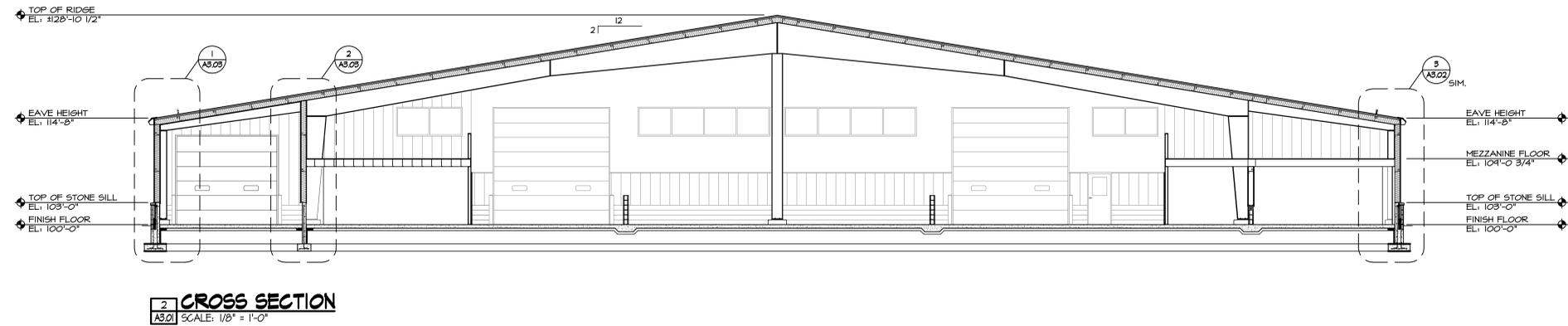
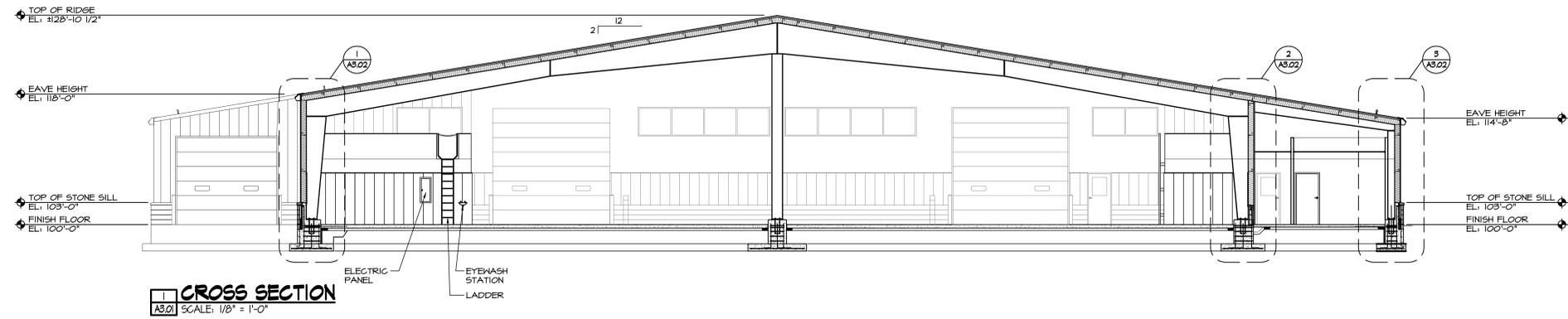
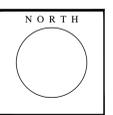
SIGNAGE TO BE INSTALLED AT SPACES WITHOUT DOOR HAYS SHALL BE COORDINATED IN THE FIELD WITH THE AVE. SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL MOUNTED AT 5'-0" ABOVE THE FLOOR TO CENTER LINE OF THE SIGN. MOUNTING LOCATIONS SHALL BE SO THAT A PERSON CAN APPROACH WITH 3" OF THE SIGN WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF THE DOOR.



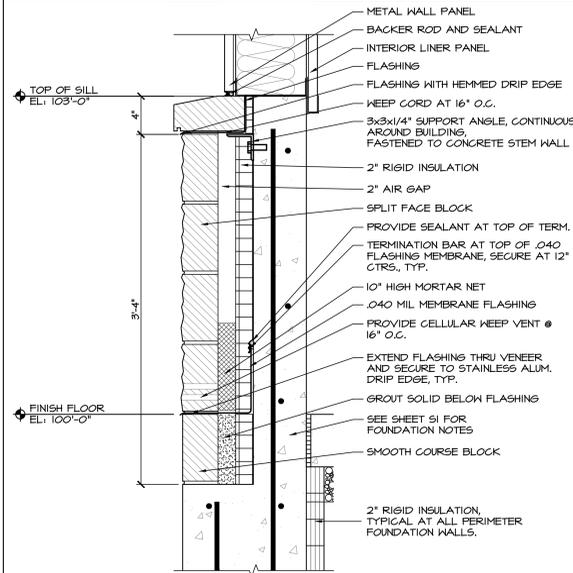
TOILET ACCESSORY SCHEDULE			
MARK	DESCRIPTION	MARK	DESCRIPTION
A	DUAL ROLL SURFACE MOUNTED TOILET TISSUE DISPENSER BOBRICK MODEL NO. 2080 BRADLEY MODEL NO. 5402 ASI MODEL NO. 0030	F	CONCEALED MOUNTING S.S. GRAB BAR, 18" BOBRICK MODEL NO. 6806-RR X 18 BRADLEY MODEL NO. 812-2 ASI MODEL NO. 3801-P
B	SURFACED MOUNTED SANITARY NAPKIN DISPOSAL BOBRICK MODEL NO. B-254 BRADLEY MODEL NO. 4122-15 ASI MODEL NO. 0473-A	G	SURFACE MOUNTED, LIQUID SOAP DISPENSER BOBRICK MODEL NO. B-412 BRADLEY MODEL NO. 6963 ASI MODEL NO. 4343
C	24" x 36" MIRROR BOBRICK MODEL NO. B-465 BRADLEY MODEL NO. 189-2436 ASI MODEL NO. 0620	H	TOWEL DISPENSER SURFACE MOUNTED STAINLESS STEEL (BATTERY OPERATED) BOBRICK MODEL NO. B-2174 BRADLEY MODEL NO. EQUAL TO BOBRICK MODEL NO. B-2174 ASI MODEL NO. EQUAL TO BOBRICK MODEL NO. B-2174
D	CONCEALED MOUNTING S.S. GRAB BAR, 42" BOBRICK MODEL NO. 6806-RR X 42 BRADLEY MODEL NO. 812-2 ASI MODEL NO. 3801-P	I	CONCEALED MOUNTING S.S. GRAB BAR, 24" BOBRICK MODEL NO. 6806-RR X 24 BRADLEY MODEL NO. 812-2 ASI MODEL NO. 3801-P
E	CONCEALED MOUNTING S.S. GRAB BAR, 36" BOBRICK MODEL NO. 6806-RR X 36 BRADLEY MODEL NO. 812-2 ASI MODEL NO. 3801-P	J	CONCEALED MOUNTING S.S. GRAB BAR, 48" BOBRICK MODEL NO. 6806-RR X 48 BRADLEY MODEL NO. 812-2 ASI MODEL NO. 3801-P



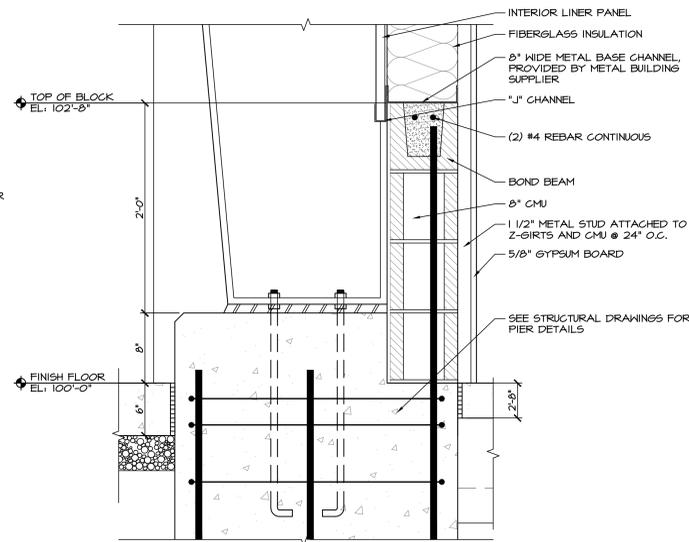
The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.



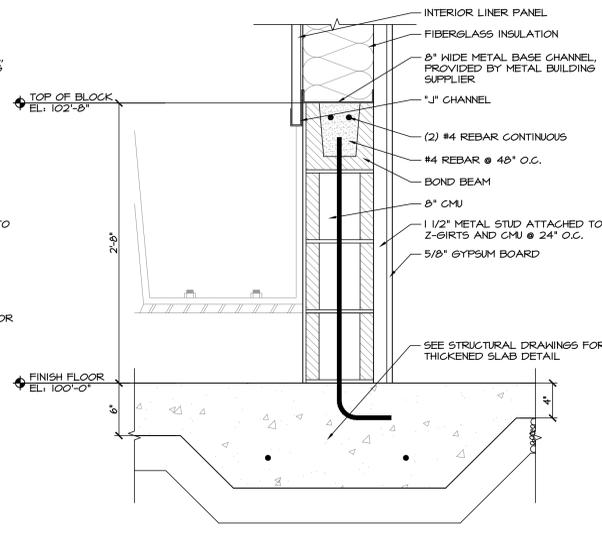
The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.



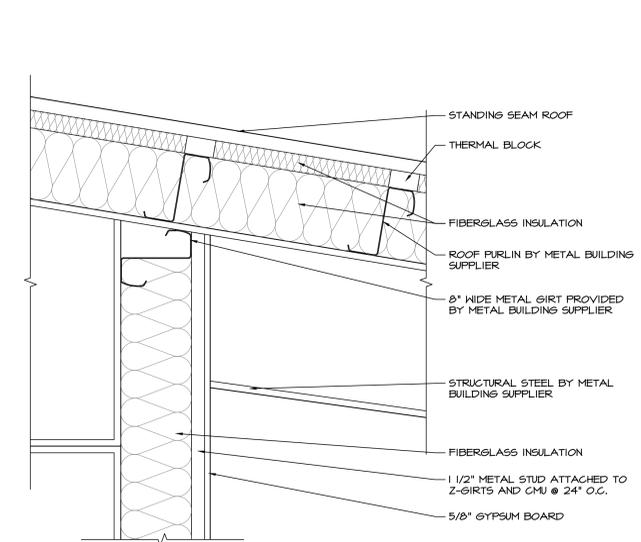
A MASONRY DETAIL
A3.02 SCALE: 1 1/2" = 1'-0"



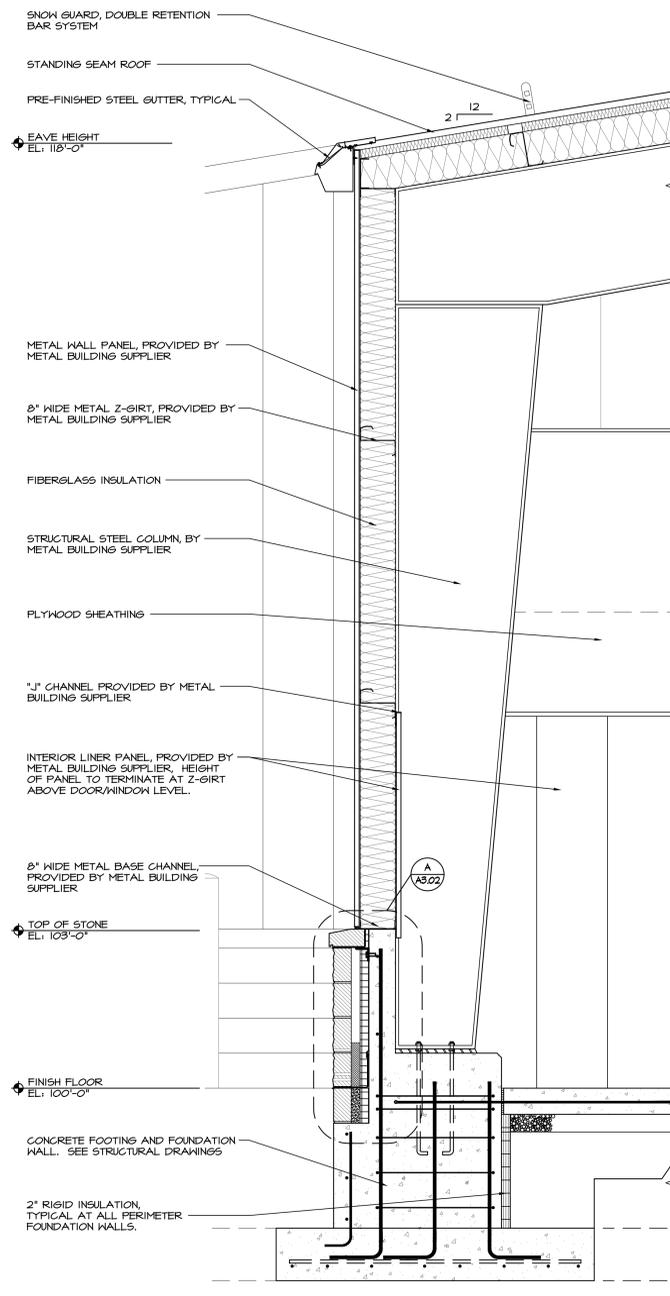
B MASONRY DETAIL
A3.02 SCALE: 1 1/2" = 1'-0"



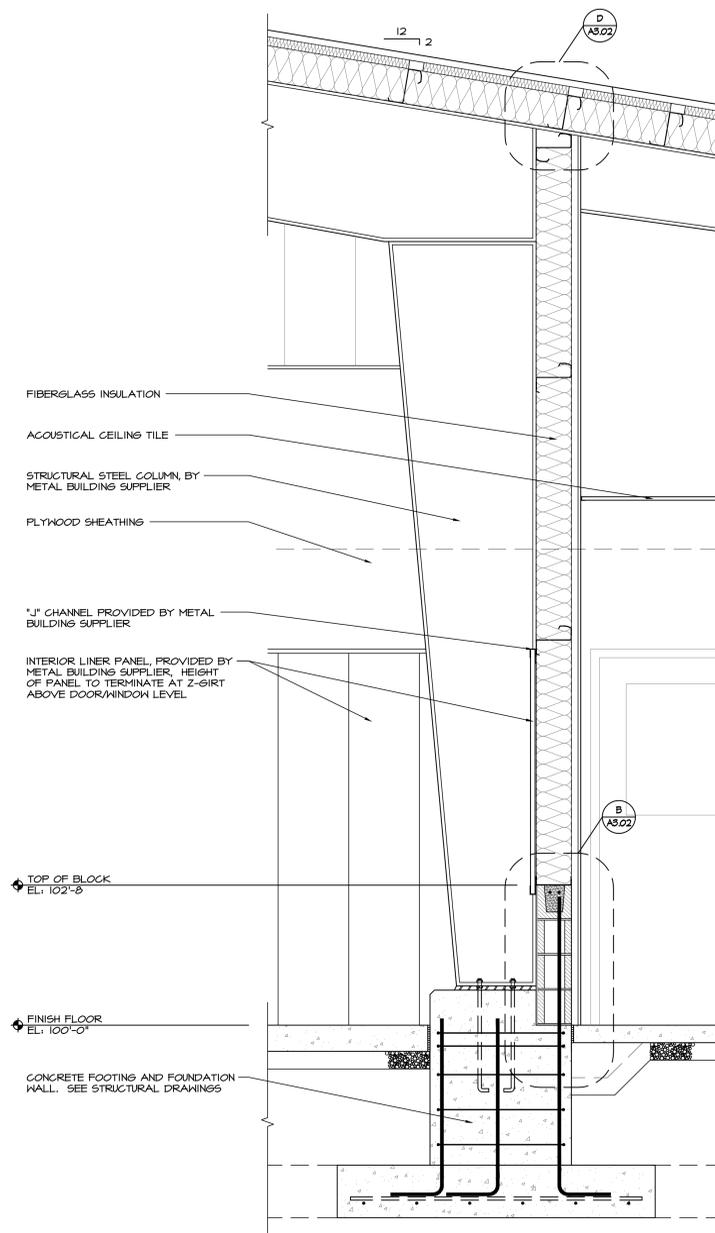
C MASONRY DETAIL
A3.02 SCALE: 1 1/2" = 1'-0"



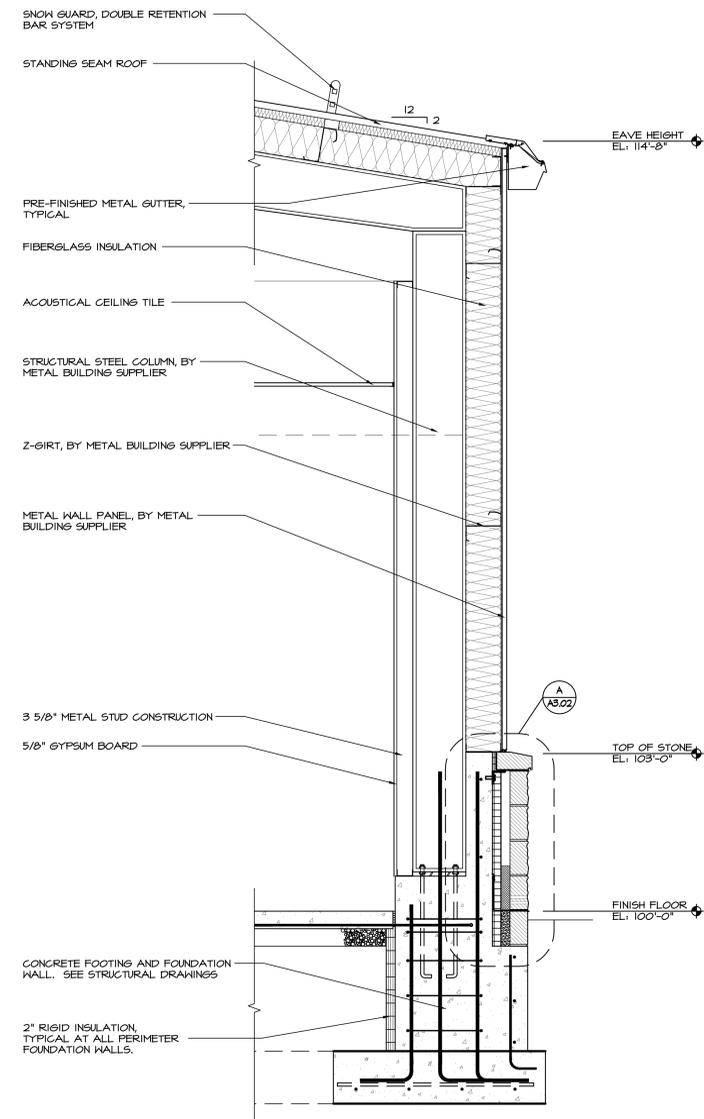
D WALL HEAD DETAIL
A3.02 SCALE: 1 1/2" = 1'-0"



1 WALL SECTION @ EAST SIDEWALL
A3.02 SCALE: 3/4" = 1'-0"

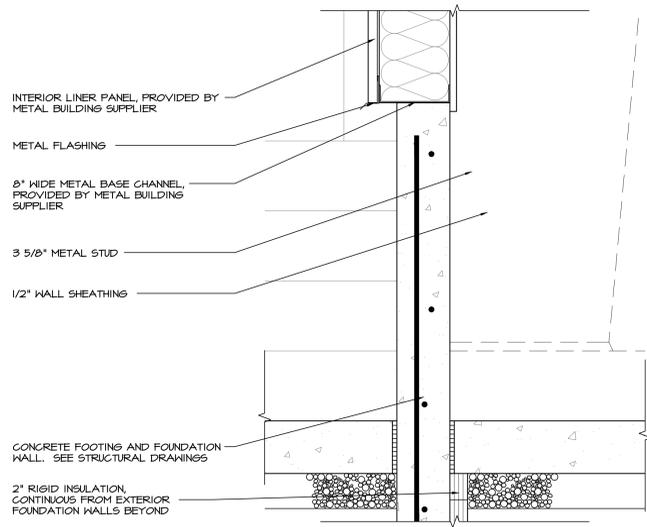


2 WALL SECTION @ INTERIOR PARTITION
A3.02 SCALE: 3/4" = 1'-0"

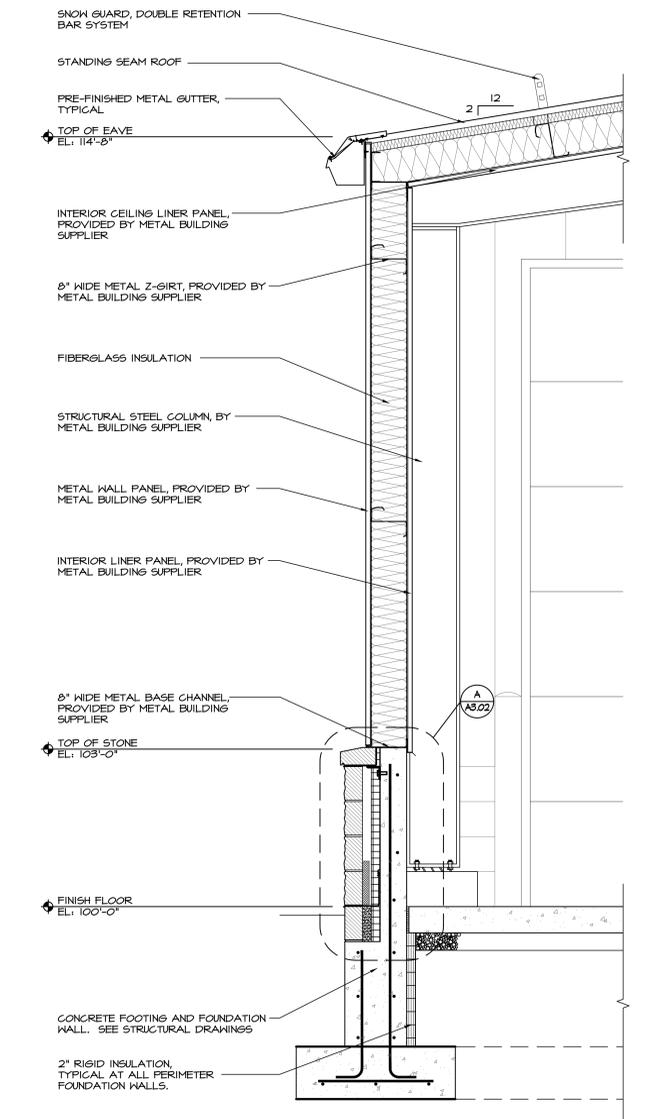


3 WALL SECTION @ WEST SIDEWALL
A3.02 SCALE: 3/4" = 1'-0"

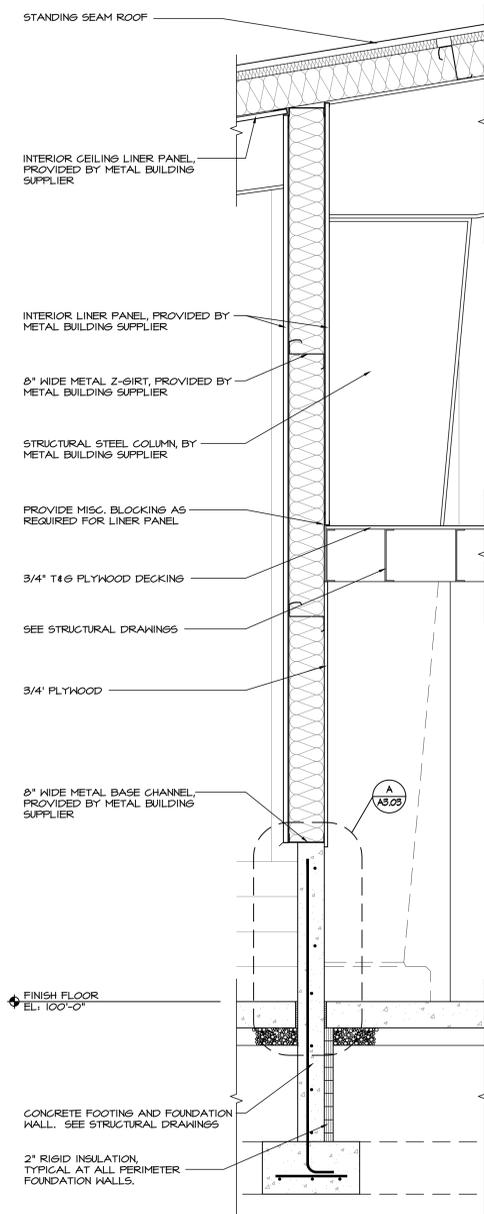
The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.



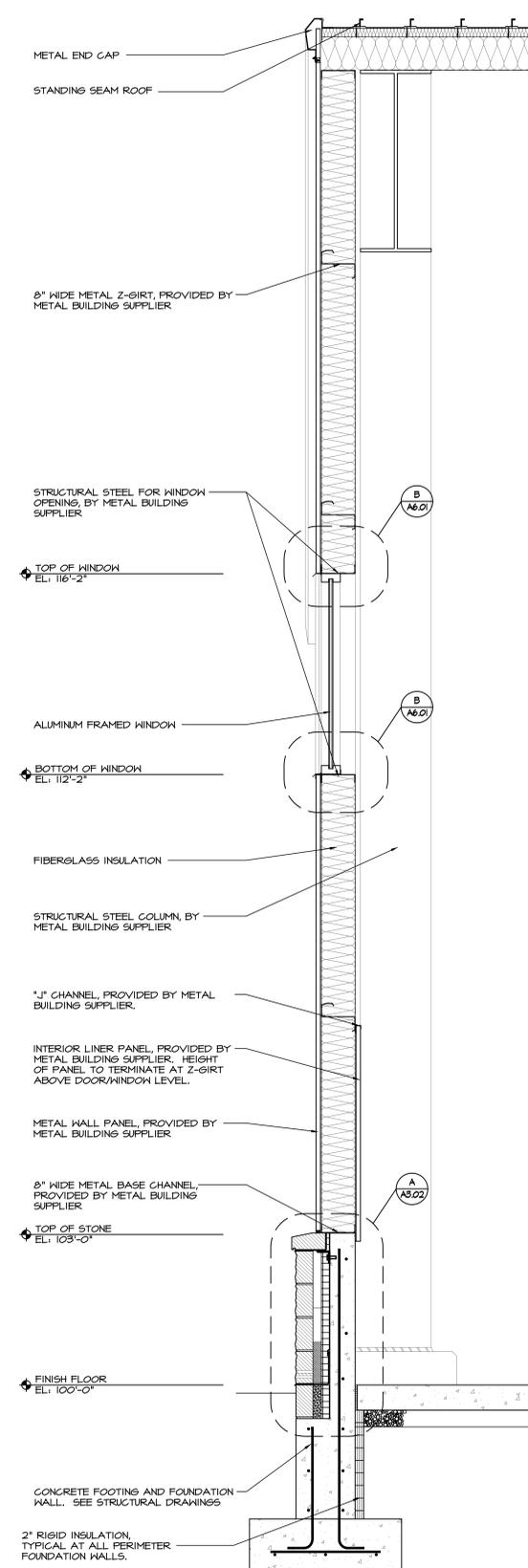
1 WALL DETAIL @ INTERIOR PARTITION
 A3.03 SCALE: 1/2" = 1'-0"



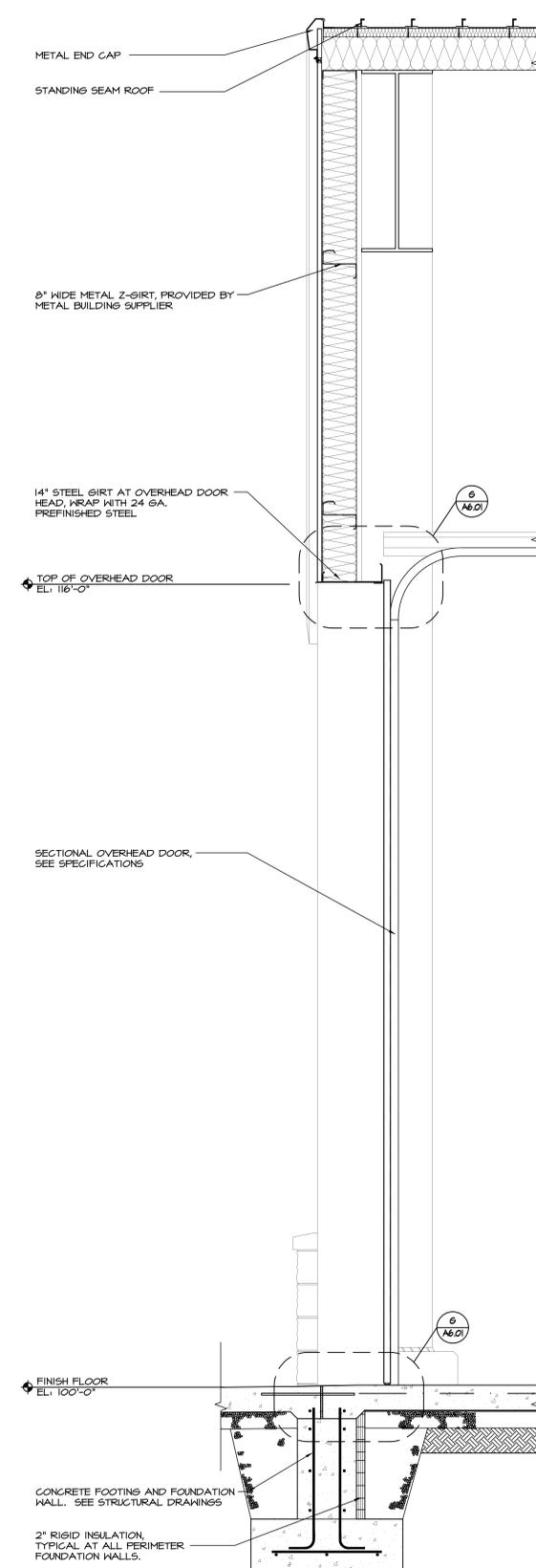
2 WALL SECTION @ WASH BAY
 A3.03 SCALE: 3/4" = 1'-0"



2 WALL SECTION @ INTERIOR PARTITION
 A3.03 SCALE: 3/4" = 1'-0"

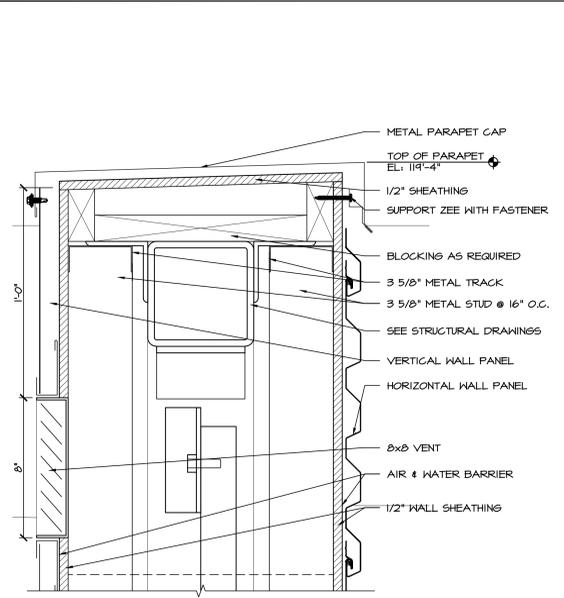


3 WALL SECTION @ WINDOW ENDWALL
 A3.03 SCALE: 3/4" = 1'-0"

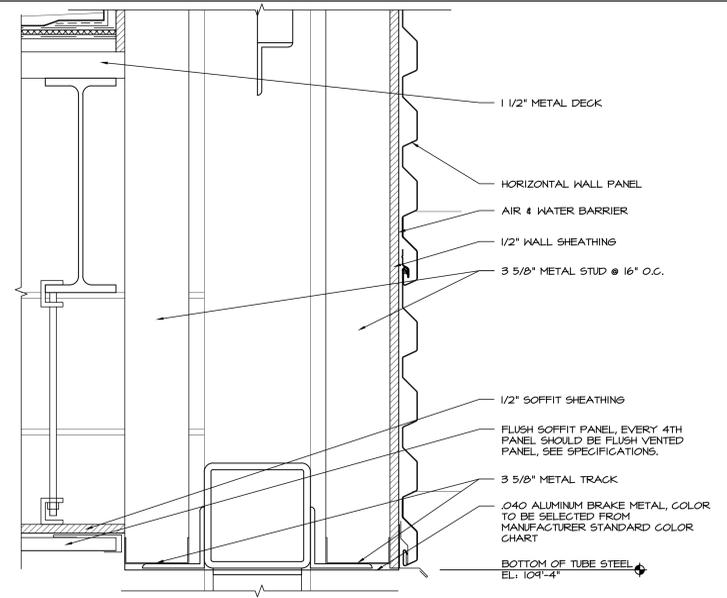


4 WALL SECTION @ OVERHEAD DOOR
 A3.03 SCALE: 3/4" = 1'-0"

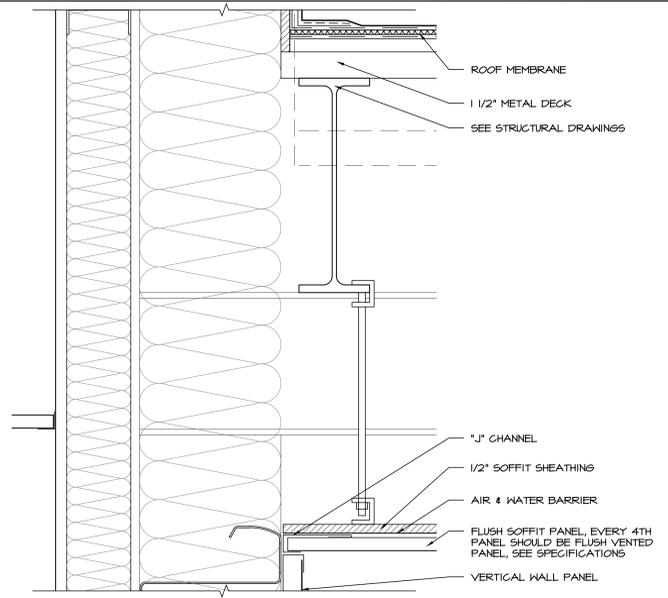
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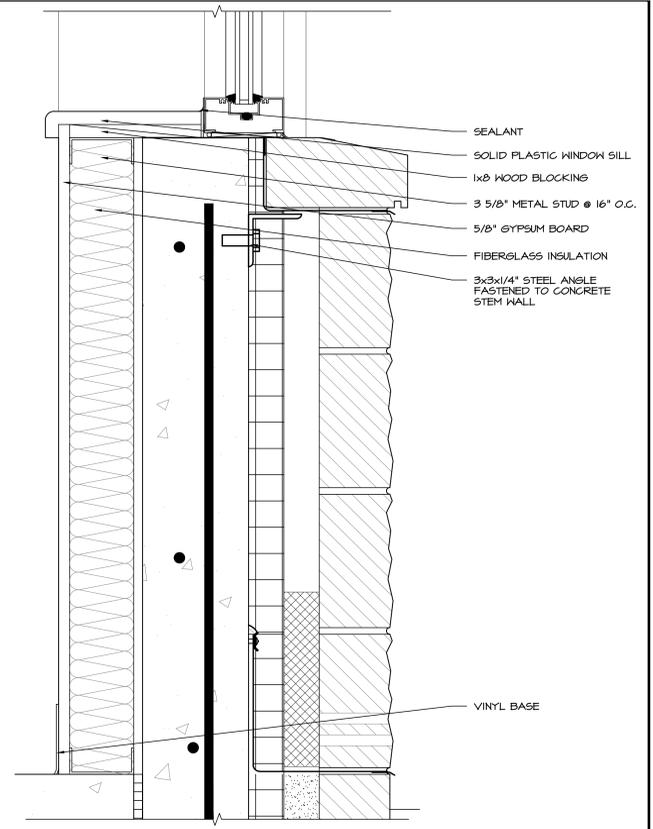
A TOP OF PARAPET DETAIL
A3.04 SCALE: 3" = 1'-0"



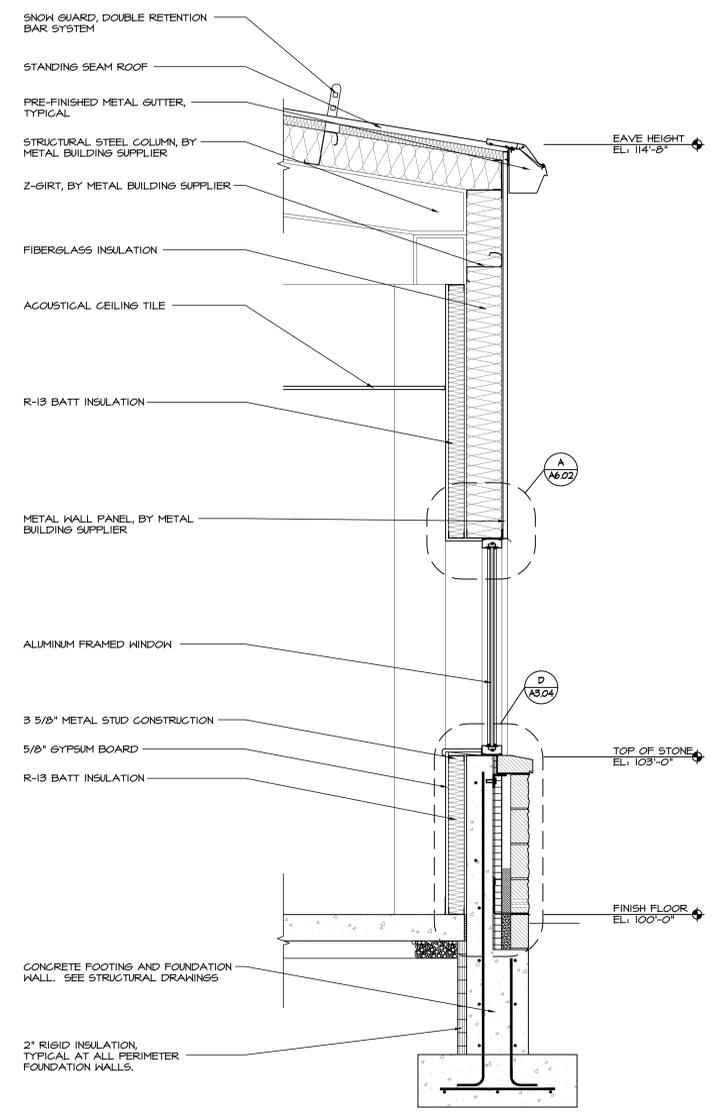
B BOTTOM OF PARAPET DETAIL
A3.04 SCALE: 3" = 1'-0"



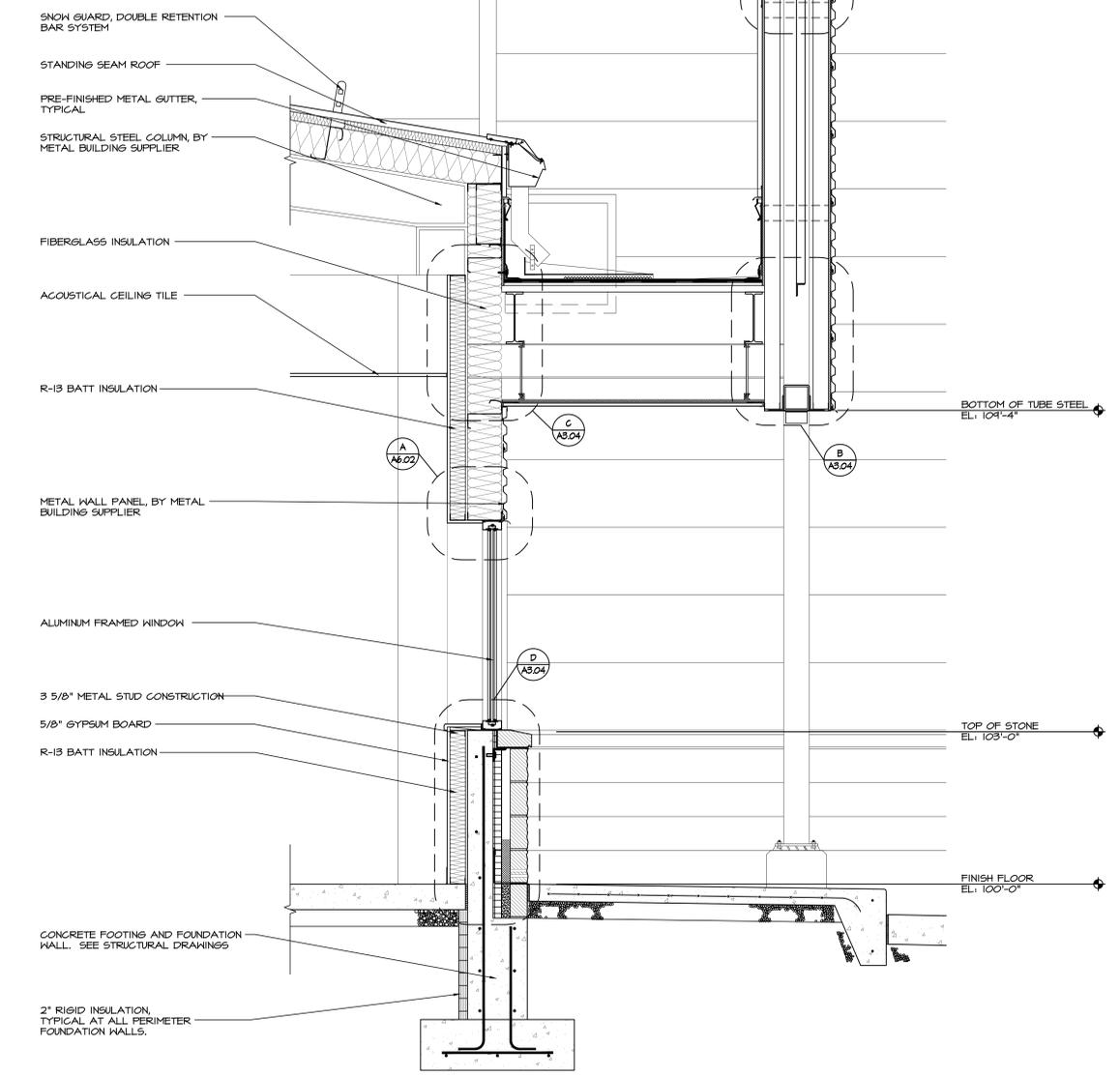
C SOFFIT VENT DETAIL
A3.04 SCALE: 3" = 1'-0"



D OFFICE WALL DETAIL
A3.04 SCALE: 3" = 1'-0"

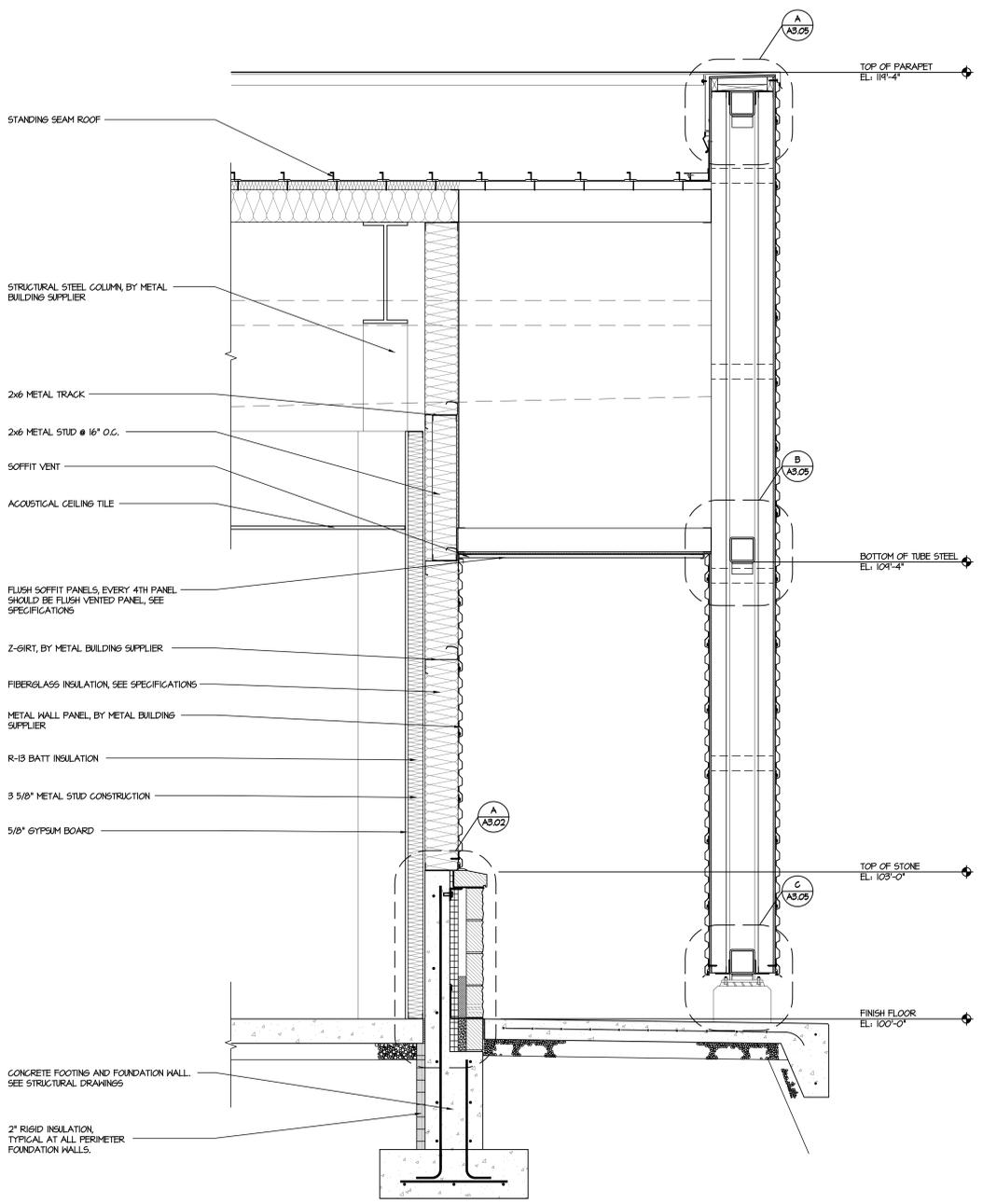
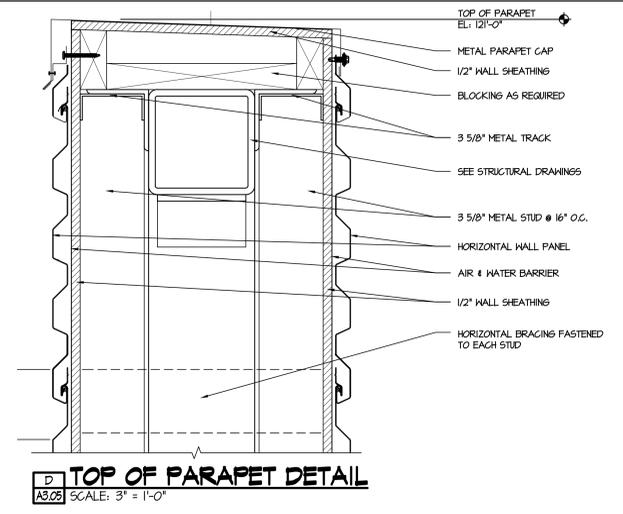
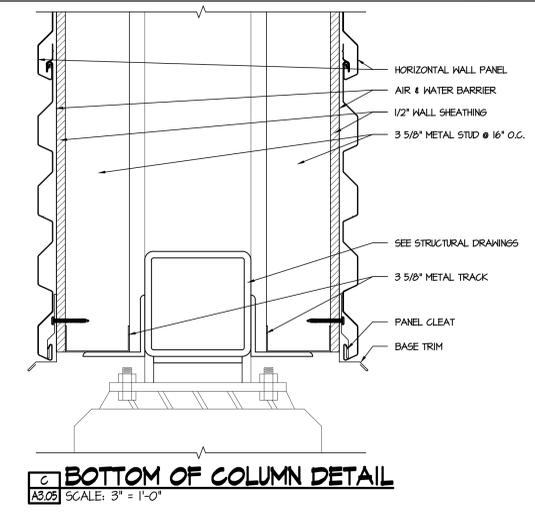
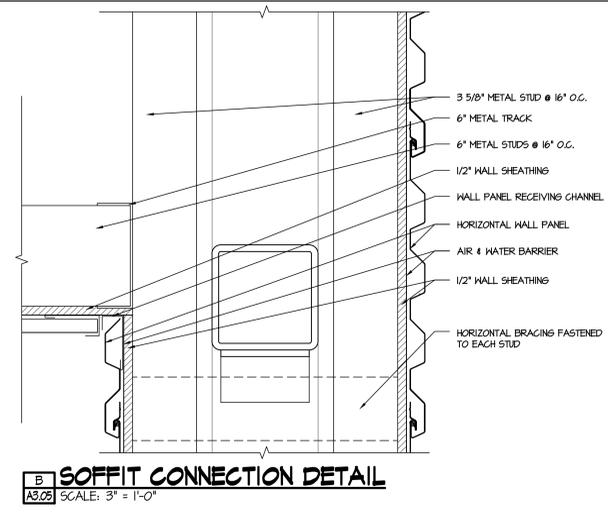
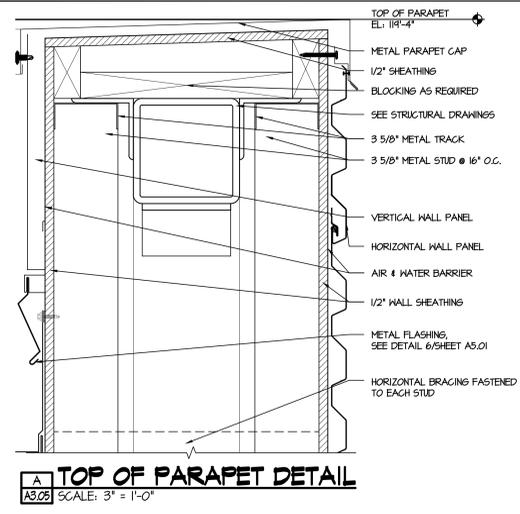


1 WALL SECTION @ WINDOW
A3.04 SCALE: 3/4" = 1'-0"

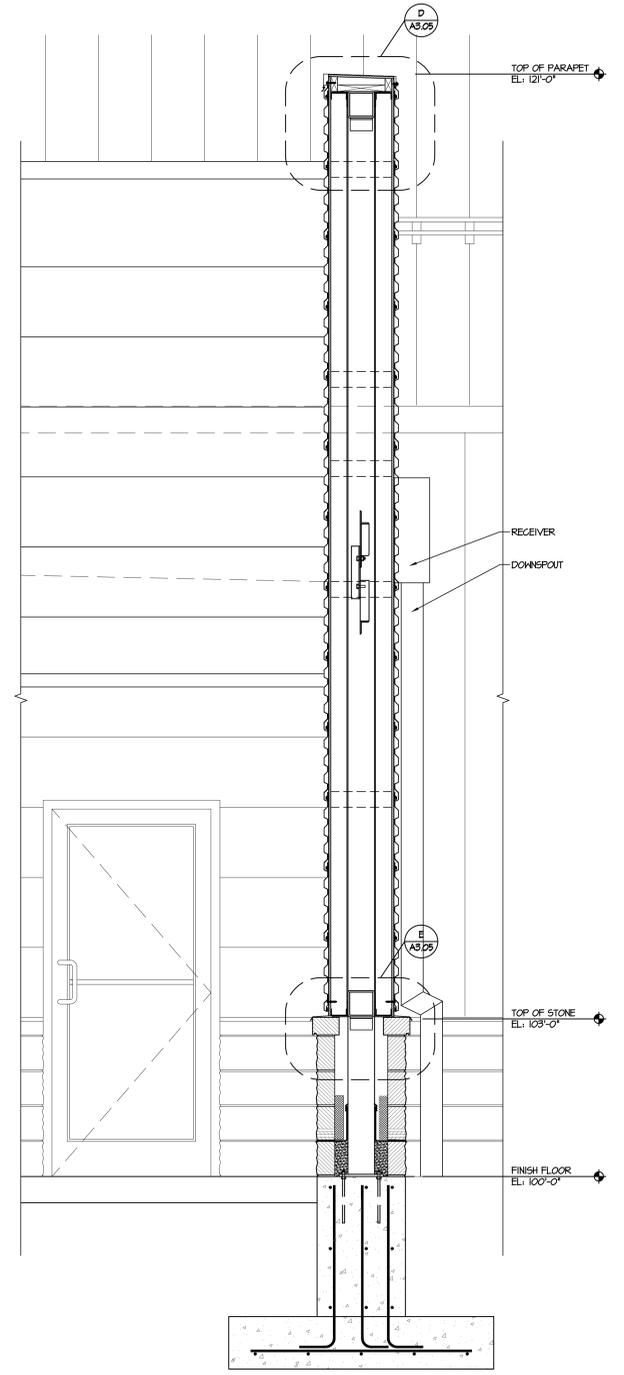


2 WALL SECTION @ MAIN ENTRY
A3.04 SCALE: 3/4" = 1'-0"

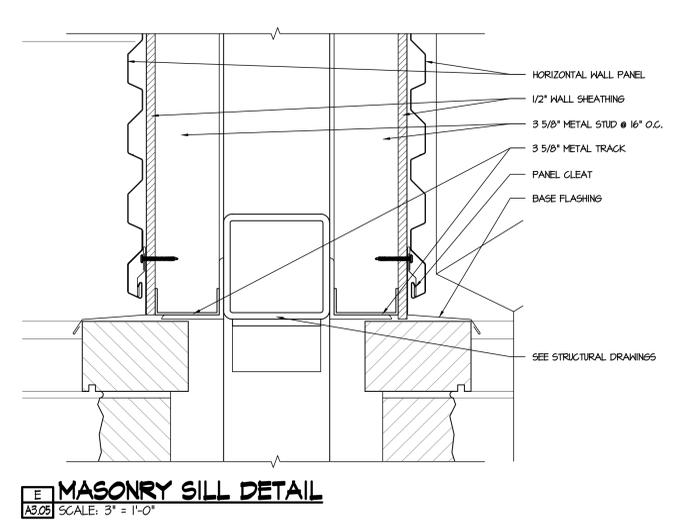
The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.



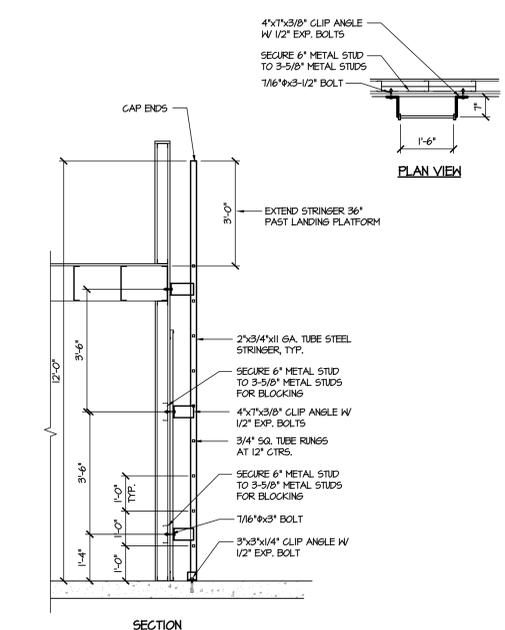
1 WALL SECTION @ NORTH ENTRY
A3.05 SCALE: 3/4" = 1'-0"



2 WALL SECTION @ WING WALL
A3.05 SCALE: 3/4" = 1'-0"

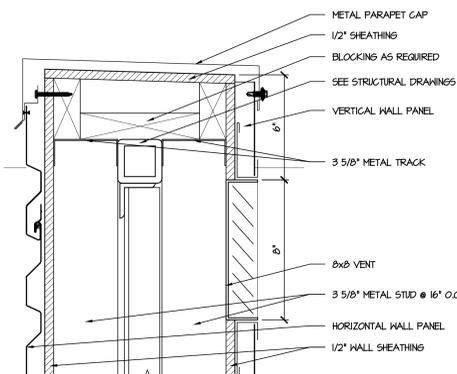


E MASONRY SILL DETAIL
A3.05 SCALE: 3" = 1'-0"

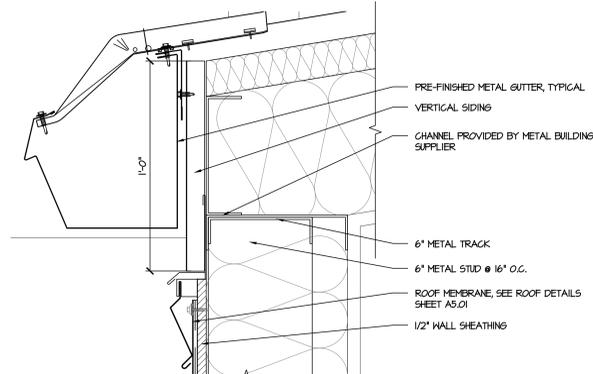


3 INTERIOR LADDER DETAIL
A3.05 SCALE: 1/2" = 1'-0"

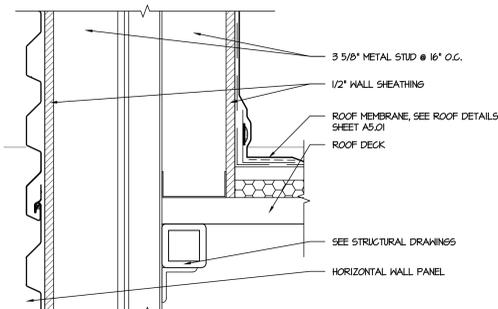
The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.



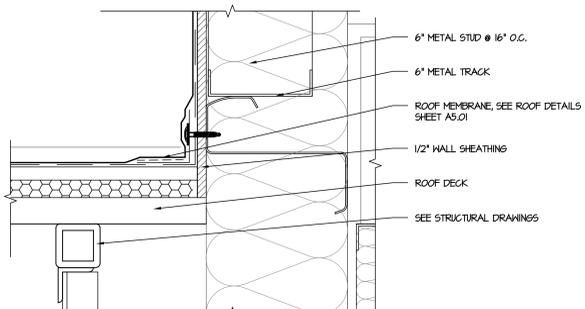
A TOP PARAPET DETAIL
A3.06 SCALE: 3" = 1'-0"



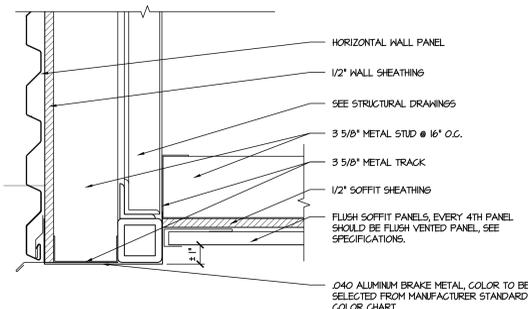
D TOP OF PARAPET DETAIL
A3.06 SCALE: 3" = 1'-0"



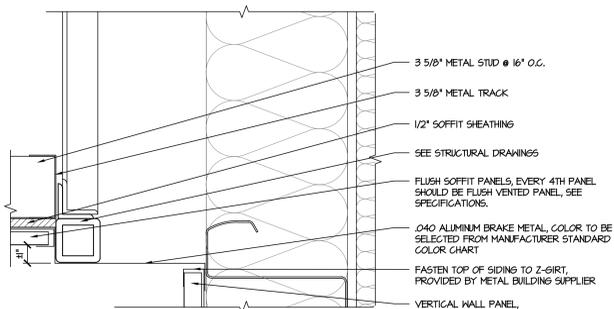
B MIDDLE PARAPET DETAIL
A3.06 SCALE: 3" = 1'-0"



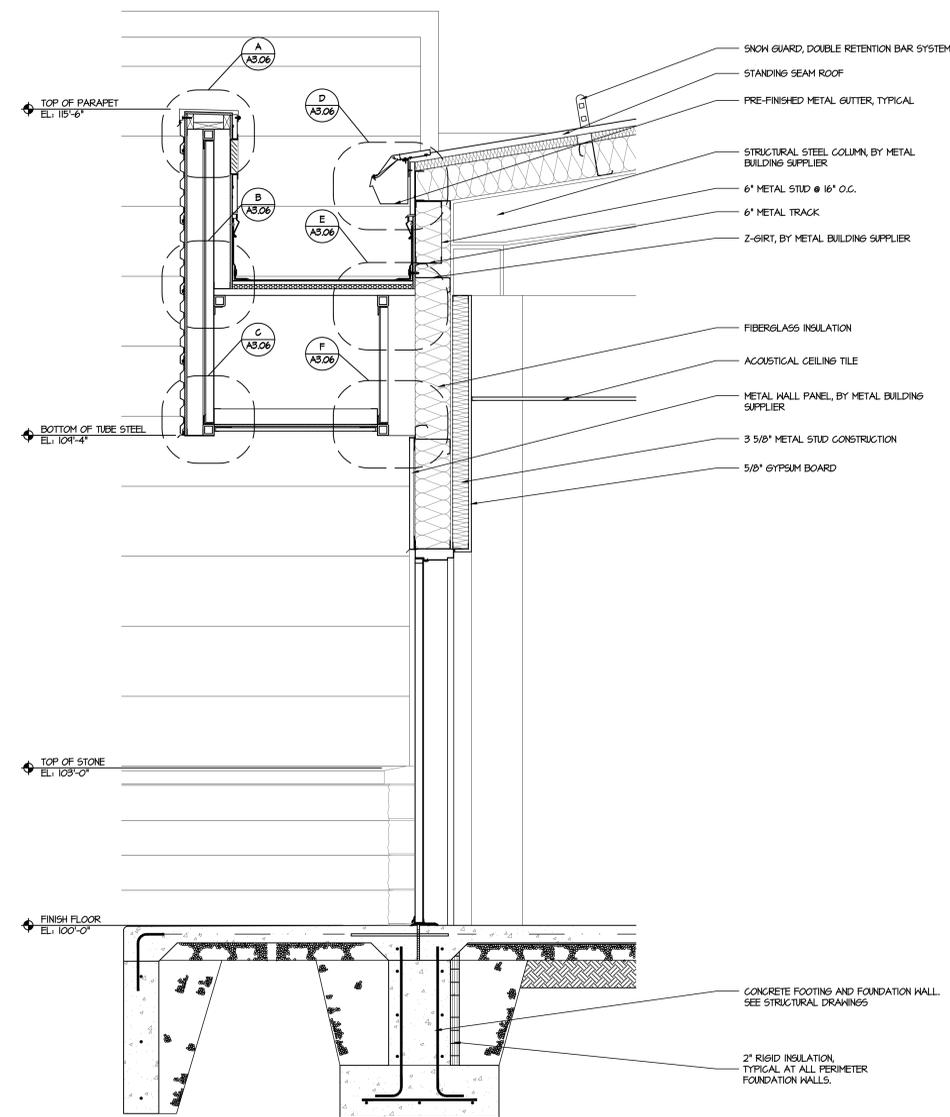
E TOP OF PARAPET DETAIL
A3.06 SCALE: 3" = 1'-0"



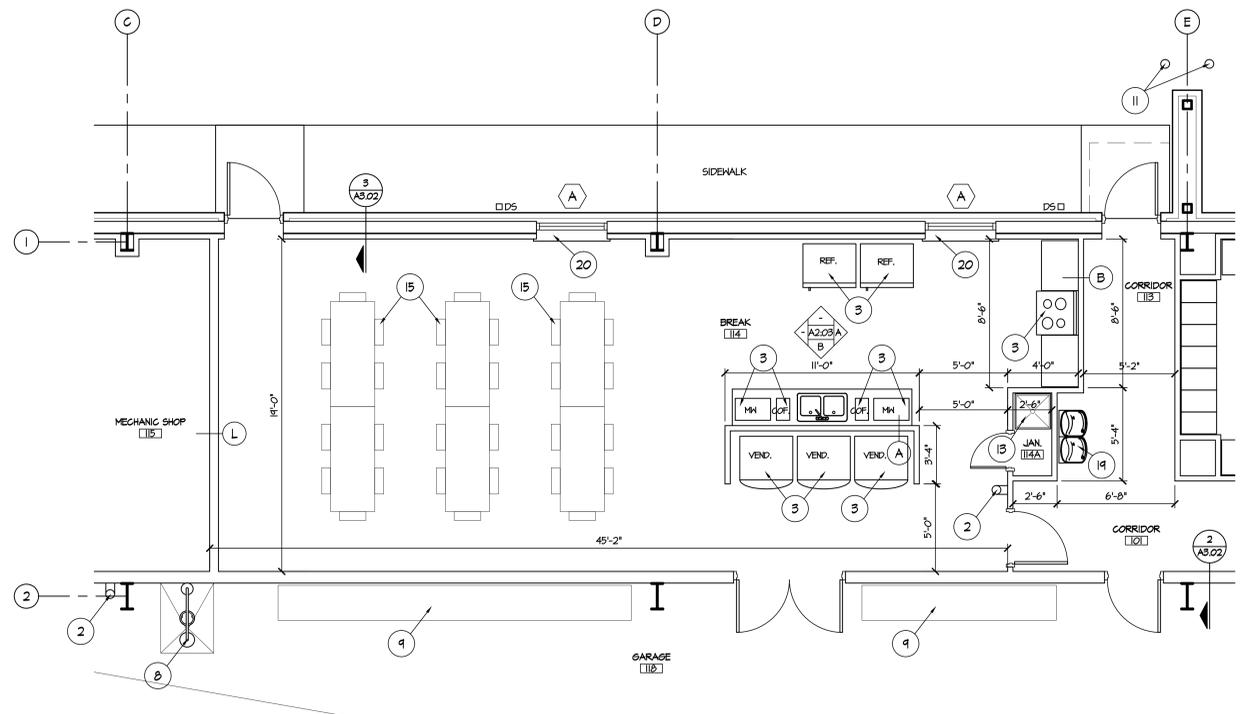
C BOTTOM PARAPET DETAIL
A3.06 SCALE: 3" = 1'-0"



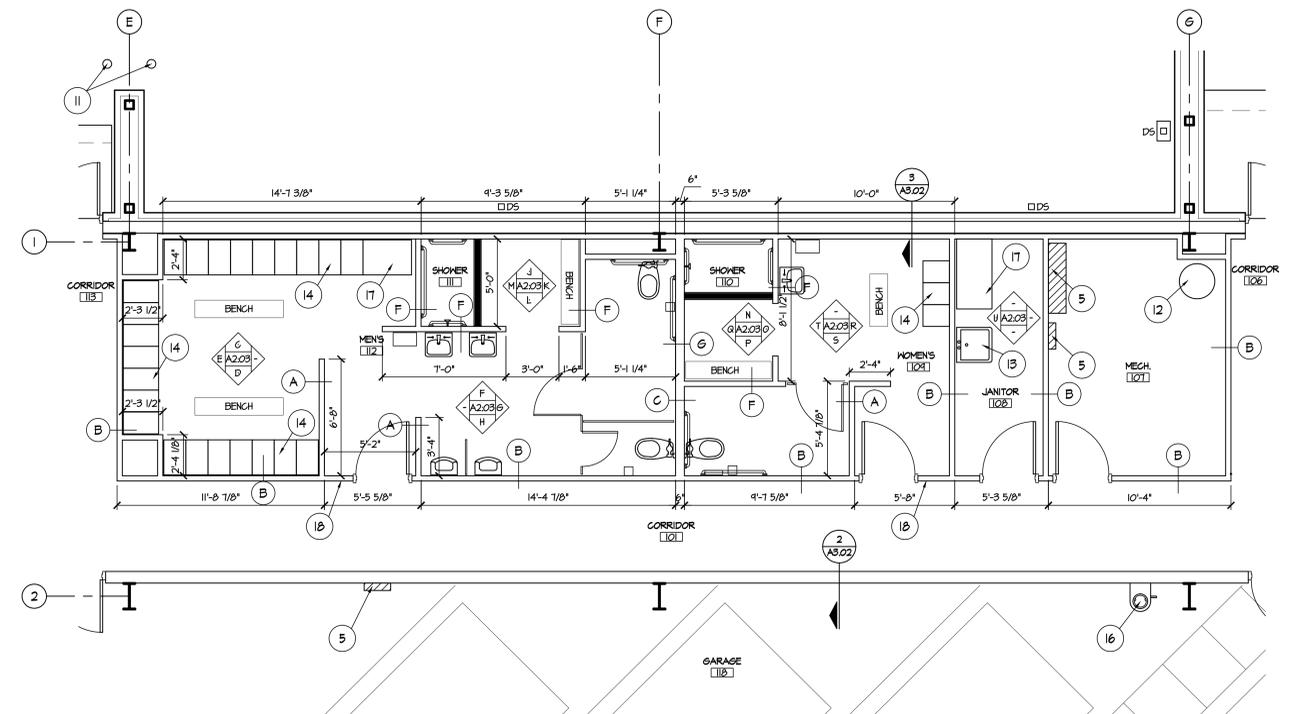
F TOP OF PARAPET DETAIL
A3.06 SCALE: 3" = 1'-0"



WALL SECTION @ EMPLOYEE ENTRY
A3.06 SCALE: 3/4" = 1'-0"



A ENLARGED BREAK PLAN
A5.01 SCALE: 1/4" = 1'-0"



B ENLARGED LOCKER ROOM PLAN
A5.01 SCALE: 1/4" = 1'-0"

LEGEND:

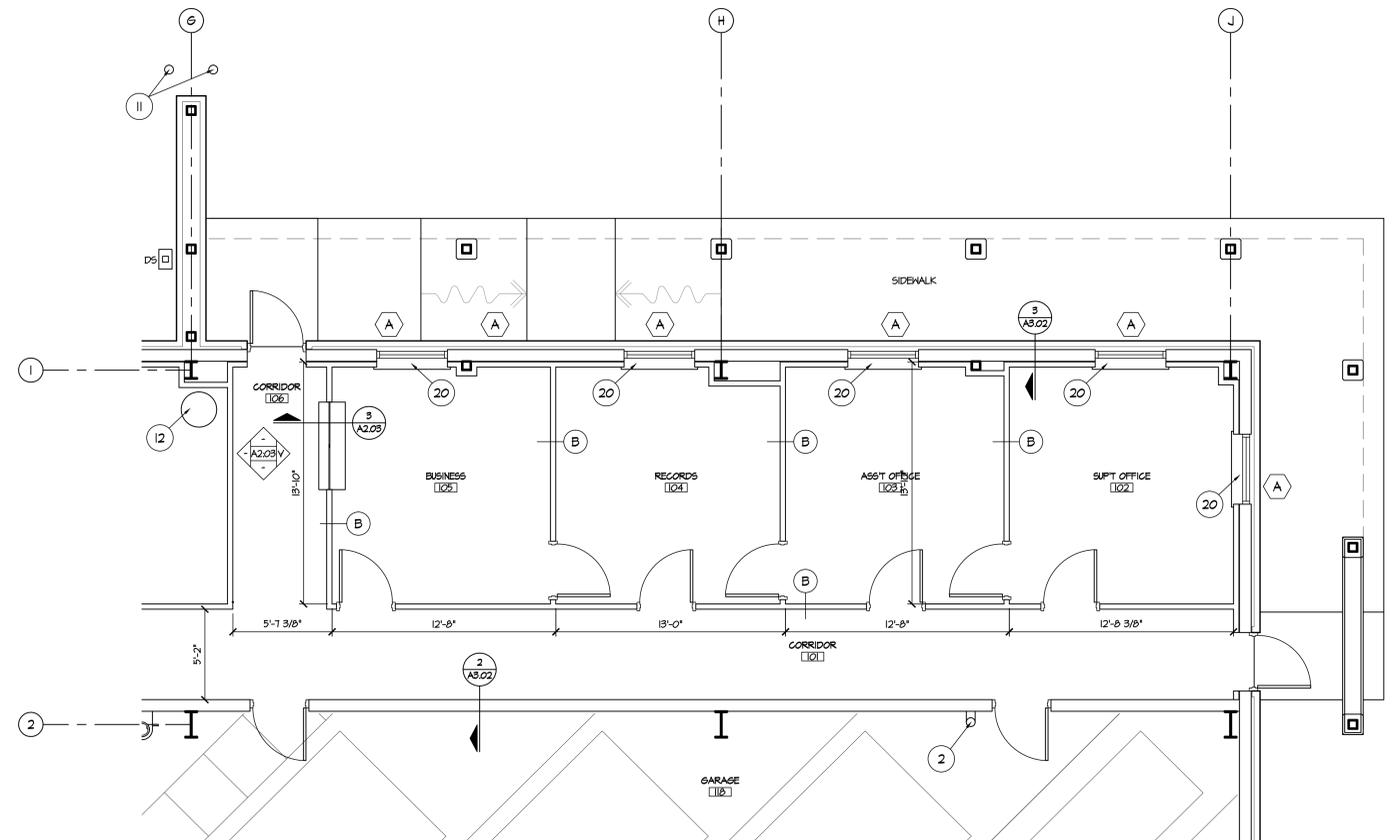
- (PX) PARTITION WALL TYPE, SEE SHEET A6.02
- (XXX) DOOR NUMBER, SEE DOOR SCHEDULE SHEET A6.01
- (A) WINDOW TYPE, SEE SCHEDULE A6.01
- (H) HALL MOUNTED FIRE EXTINGUISHER
- (DS) DOWNSPOUT
- (ELEVATION) INTERIOR ELEVATIONS

GENERAL NOTES

1. ALL DIMENSIONS AT BRICK OR BLOCK WALLS ARE TO FACE OF MASONRY, ALL DIMENSIONS AT STUD WALLS ARE TO FACE OF STUD.
2. ALL OFFICE PARTITIONS SHALL BE 12'-0" A.F.F.

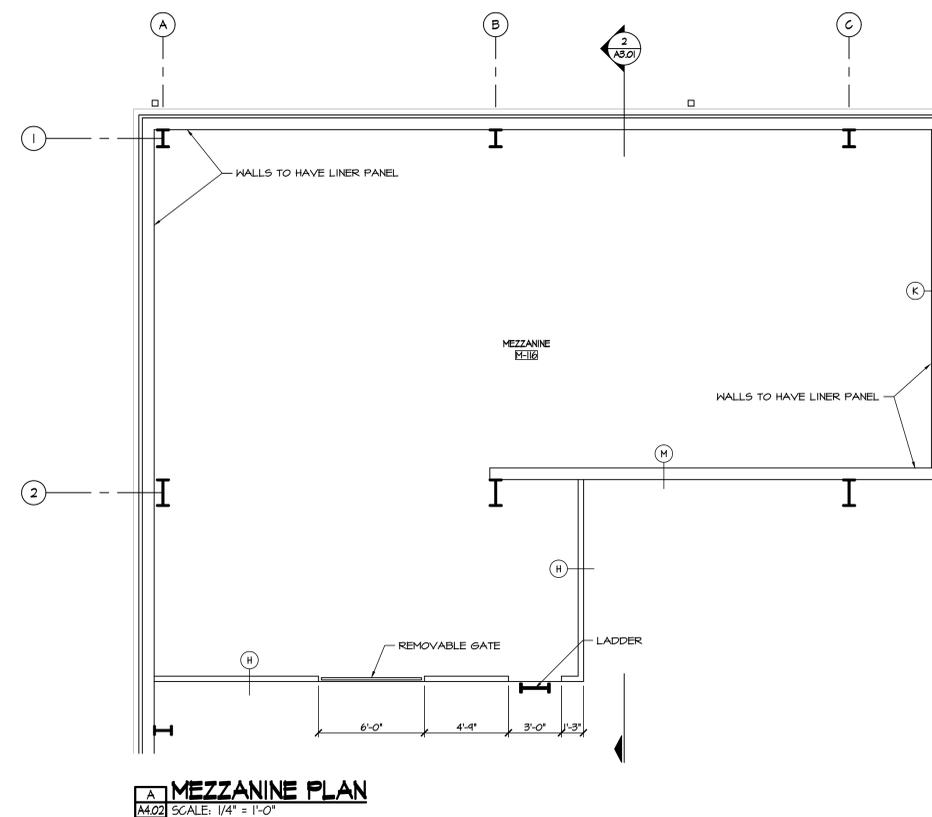
KEYED PLAN NOTES

- 1 NOT USED
- 2 FIRE EXTINGUISHER, DRY CHEMICAL TYPE, 10 POUND CAPACITY, WITH PRESSURE GAUGE, UL RATINGS: 4A 60BC
- 3 APPLIANCES, NOT IN CONTRACT
- 4 NOT USED
- 5 ELECTRIC PANELS, SEE ELECTRIC DRAWINGS
- 6 NOT USED
- 7 NOT USED
- 8 EMERGENCY SHOWER/EYE WASH STATION, SEE PLUMBING DRAWINGS
- 9 WORK BENCH, BY OWNER
- 10 NOT USED
- 11 PIPE BOLLARD, SEE CIVIL DRAWINGS
- 12 WATER HEATER, SEE PLUMBING DRAWINGS
- 13 MOP SINK
- 14 LOCKERS, SEE INTERIOR ELEVATIONS, SHEET A2.03
- 15 TABLES AND CHAIRS, BY OWNER
- 16 EMERGENCY EYE WASH STATION, SEE PLUMBING DRAWINGS
- 17 TALL STORAGE, SEE INTERIOR ELEVATIONS, SHEET A2.03
- 18 HANDICAP SIGNAGE, SEE DETAIL 1/A2.03
- 19 HI-LOW DRINKING FOUNTAIN
- 20 SOLID PLASTIC WINDOW SILL



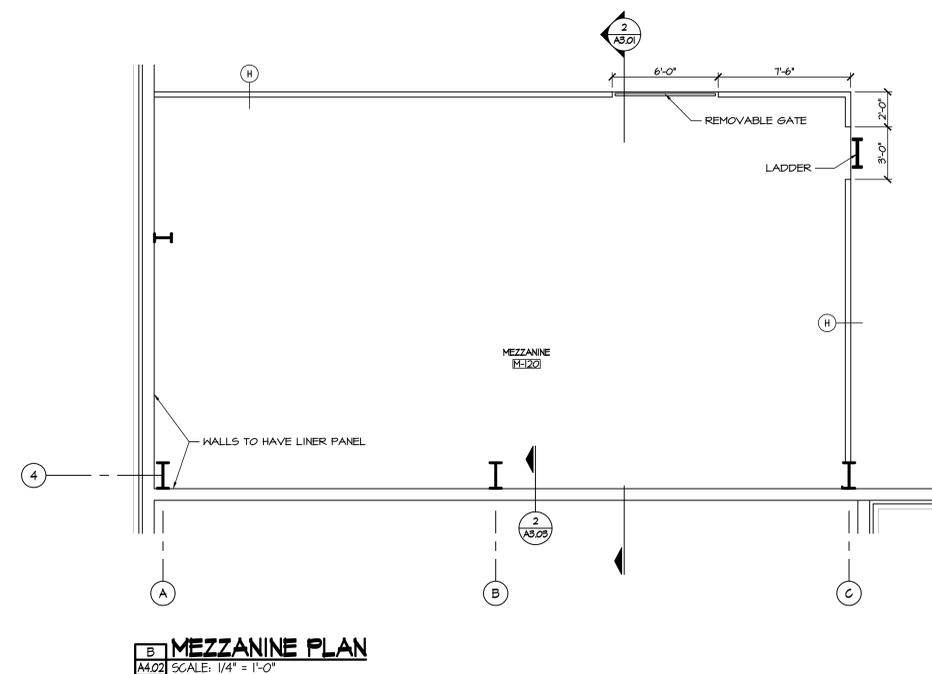
C ENLARGED OFFICE PLAN
A5.01 SCALE: 1/4" = 1'-0"

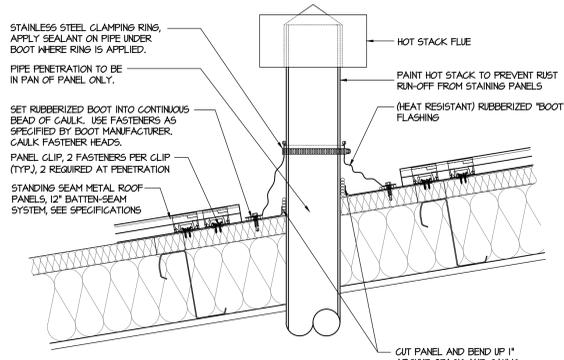
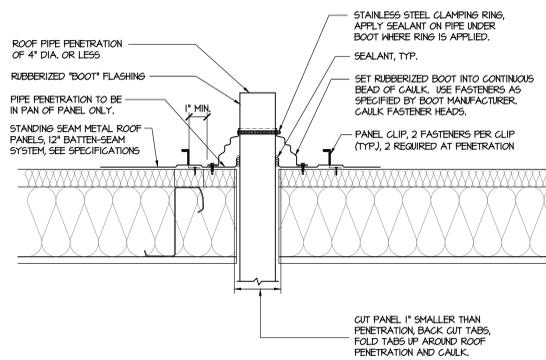
The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.



LEGEND:

- PARTITION/WALL TYPE, SEE SHEET A6.02
- DOOR NUMBER, SEE DOOR SCHEDULE SHEET A6.01
- WINDOW TYPE, SEE SCHEDULE A6.01
- WALL MOUNTED FIRE EXTINGUISHER
- DOWNSPOUT
- INTERIOR ELEVATIONS





DETAIL NOTES:

- 1) CUT HOLE TO ALLOW FOR THERMAL MOVEMENT IF PANELS ARE 30'-0" OR LONGER.
- 2) POSITION SQUARE BASED BOOTS IN A DIAMOND ORIENTATION WHERE POSSIBLE TO AID IN DIVERTING WATER.
- 3) CONTRACTOR TO LOCATE ALL VENT STACKS IN CENTER OF ROOF PANEL.

NOTE

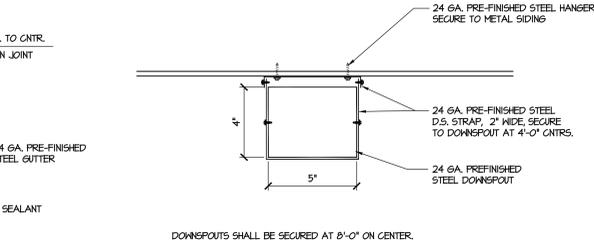
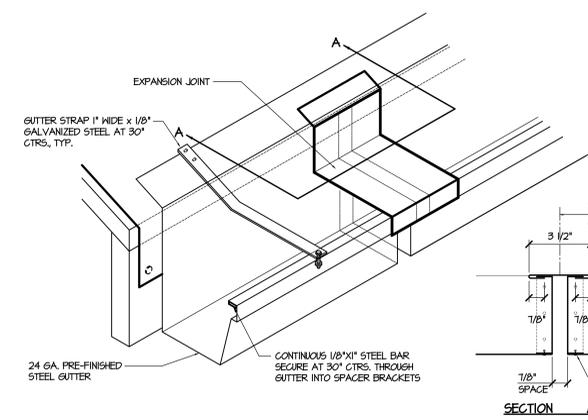
FIELD CUT SEAM 2" BACK FROM STACK (ABOVE STACK). FIELD MITER SEAM BELOW STACK. CUT HOLE IN PANEL 1" LESS THAN DIA. OF STACK. BACK CUT HOLE AND BEND PANEL UP AROUND STACK.

1 VENT STACK DETAIL

AS.01 SCALE: 1-1/2" = 1'-0"

2 HOT STACK DETAIL

AS.01 SCALE: 1-1/2" = 1'-0"

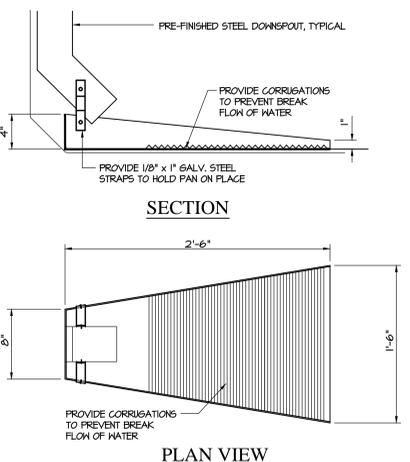


6 GUTTER EXPANSION JOINT DETAIL

AS.01 SCALE: 3" = 1'-0"

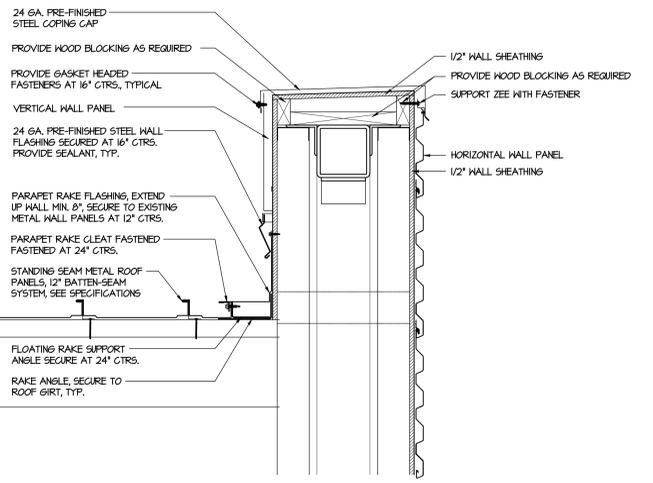
7 DOWNSPOUT HANGER DETAIL

AS.01 SCALE: 3" = 1'-0"



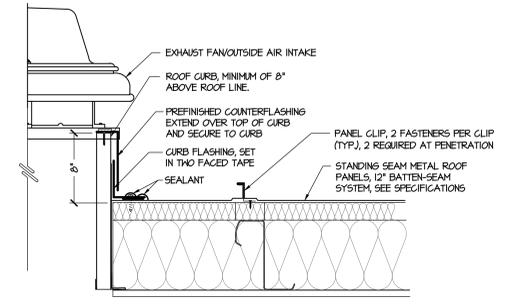
10 SPLASHBLOCK DETAIL

AS.01 SCALE: 1-1/2" = 1'-0"



11 WALL FLASHING DETAIL

AS.01 SCALE: 1-1/2" = 1'-0"



NOTE

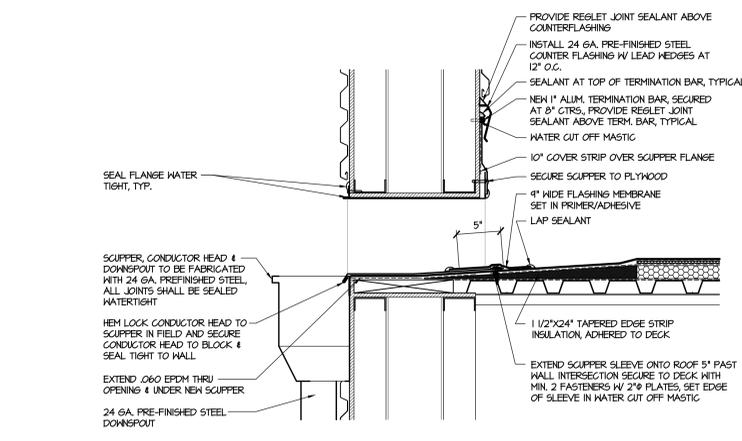
PROVIDE SADDLE ON UP-SLOPE SIDE OF CURB.

3 EXHAUST FAN/OUTSIDE AIR INTAKE CURB DETAIL

AS.01 SCALE: 1-1/2" = 1'-0"

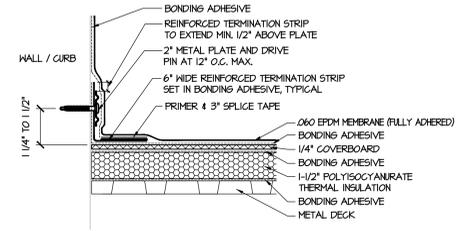
4 NOT USED

AS.01 SCALE: 1-1/2" = 1'-0"



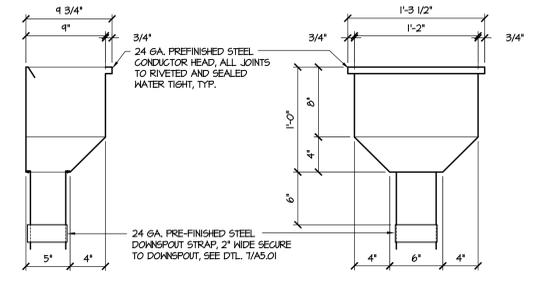
8 SCUPPER DETAIL

AS.01 SCALE: 1-1/2" = 1'-0"



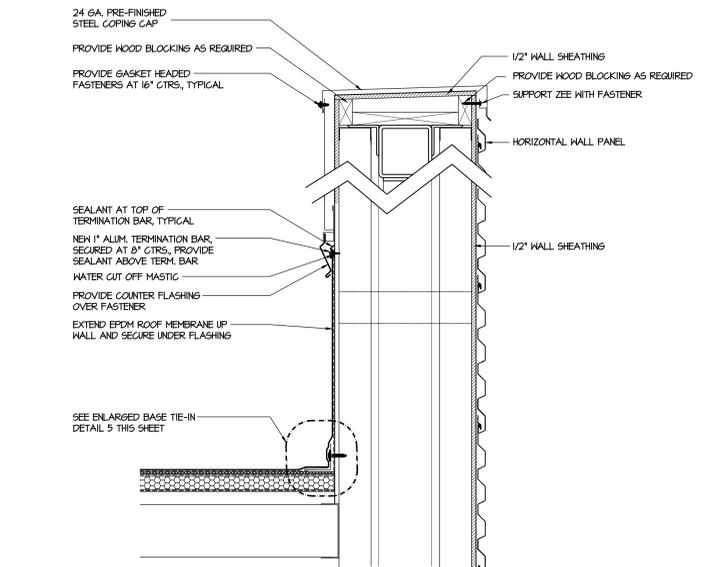
5 TYPICAL EPDM BASE TIE-IN DETAIL

AS.01 SCALE: 3" = 1'-0"



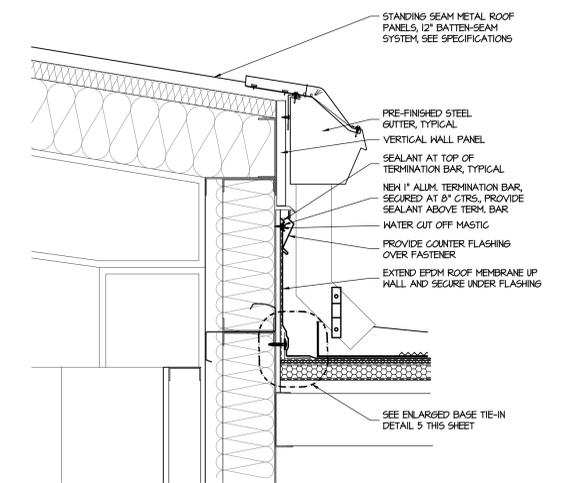
9 CONDUCTOR HEAD DETAIL

AS.01 SCALE: 1-1/2" = 1'-0"



12 WALL FLASHING DETAIL

AS.01 SCALE: 1-1/2" = 1'-0"

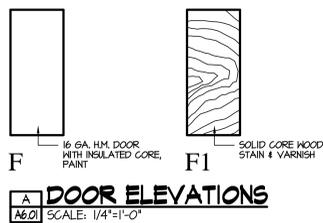


15 GUTTER/WALL FLASHING DETAIL

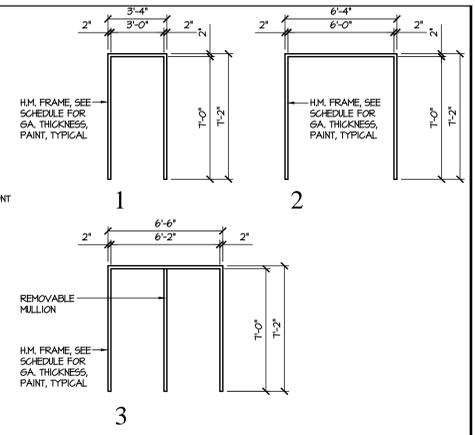
AS.01 SCALE: 1-1/2" = 1'-0"

The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

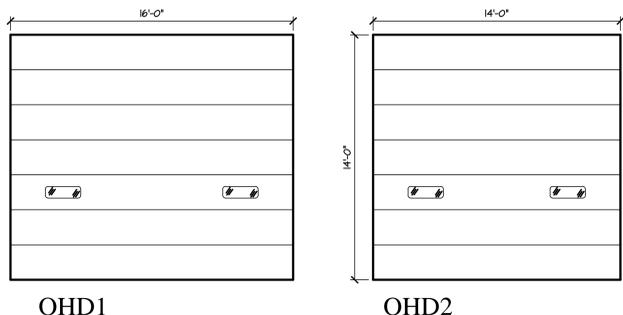
Door Schedule																			
Opg. No.	Frame					Details			Wall Type	Label or Louver	Door				Hardware Set	Remarks	Opg. No.		
	Mat.	Ga.	Depth	Elev.	Hd.	Jmb.	Sill	Qty.			Width	Hgt.	Thick.	Mat.				Elev.	
101A	HM.	14	6"	1	FI	F2	F3	METAL BLDG.		1	3'-0"	7'-0"	1 3/4"	16 GA. HM.	H6	A			
101B	HM.	14	6"	1	K1	K2	-	MASMETAL BLDG.		1	3'-0"	7'-0"	1 3/4"	16 GA. HM.	NL	H			
101C	HM.	14	6"	1	K1	K2	-	MASMETAL BLDG.		1	3'-0"	7'-0"	1 3/4"	16 GA. HM.	NL	H			
101D	HM.	14	6"	1	K1	K2	-	MASMETAL BLDG.		1	3'-0"	7'-0"	1 3/4"	16 GA. HM.	NL	H			
102A	HM.	14	6"	1	J1	J2	-	METAL STUD		1	3'-0"	7'-0"	1 3/4"	SC HD	NLI	E			
102B	HM.	14	6"	1	J1	J2	-	METAL STUD		1	3'-0"	7'-0"	1 3/4"	SC HD	FI	E			
103A	HM.	14	6"	1	J1	J2	-	METAL STUD		1	3'-0"	7'-0"	1 3/4"	SC HD	NLI	E			
103B	HM.	14	6"	1	J1	J2	-	METAL STUD		1	3'-0"	7'-0"	1 3/4"	SC HD	FI	F			
104A	HM.	14	6"	1	J1	J2	-	METAL STUD		1	3'-0"	7'-0"	1 3/4"	SC HD	NLI	F			
104B	HM.	14	6"	1	J1	J2	-	METAL STUD		1	3'-0"	7'-0"	1 3/4"	SC HD	FI	F			
105A	HM.	14	6"	1	J1	J2	-	METAL STUD		1	3'-0"	7'-0"	1 3/4"	SC HD	NLI	E			
106A	ALUM.	-	-	1	H1	H2	H3	MASMETAL BLDG.		1	3'-0"	7'-0"	-	ALUM.	AL	B			
107A	HM.	14	6"	1	J1	J2	-	METAL STUD		1	3'-0"	7'-0"	1 3/4"	16 GA. HM.	F	F			
108A	HM.	14	6"	1	J1	J2	-	METAL STUD		1	3'-0"	7'-0"	1 3/4"	16 GA. HM.	F	F			
109A	HM.	14	6"	1	J1	J2	-	METAL STUD		1	3'-0"	7'-0"	1 3/4"	SC HD	FI	D			
112A	HM.	14	6"	1	J1	J2	-	METAL STUD		1	3'-0"	7'-0"	1 3/4"	SC HD	FI	D			
113A	HM.	14	6 3/4"	1	FI	F2	F3	METAL STUD		1	3'-0"	7'-0"	1 3/4"	16 GA. HM.	H6	A			
114A	HM.	14	6"	1	J1	J2	-	METAL STUD		1	3'-0"	7'-0"	1 3/4"	SC HD	HGI	C			
114B	HM.	14	6"	1	J1	J2	-	METAL STUD		1	3'-0"	7'-0"	1 3/4"	SC HD	FI	6			
114C	HM.	14	6 3/4"	1	FI	F2	F3	MASMETAL BLDG.		1	3'-0"	7'-0"	1 3/4"	16 GA. HM.	H6	A			
114D	HM.	14	6"	3	K1	K2	-	METAL STUD		2	3'-0"	7'-0"	1 3/4"	16 GA. HM.	NL	J	PAIRED DOORS REMOVABLE CENTER MULLION		
115A	HM.	14	10"	1	L1	L2	-	MASMETAL BLDG.		2	3'-0"	7'-0"	1 3/4"	16 GA. HM.	F	K	PAIRED DOORS NO CENTER MULLION		
116A	HM.	14	4 1/8"	1	M1	M2	-	METAL STUD		2	3'-0"	7'-0"	1 3/4"	16 GA. HM.	F	K	PAIRED DOORS NO CENTER MULLION		
118A	HM.	14	6 3/4"	1	E1	E2	E3	MASMETAL BLDG.		1	3'-0"	7'-0"	1 3/4"	16 GA. HM.	H6	A			
118B	STEEL	-	-	-	G1	G2	G3	MASMETAL BLDG.		1	16'-0"	14'-0"	2"	STEEL	OHD1	L			
118C	STEEL	-	-	-	G1	G2	G3	MASMETAL BLDG.		1	16'-0"	14'-0"	2"	STEEL	OHD1	L			
118D	HM.	14	6 3/4"	1	E1	E2	E3	MASMETAL BLDG.		1	3'-0"	7'-0"	1 3/4"	16 GA. HM.	H6	A			
118E	STEEL	-	-	-	G1	G2	G3	MASMETAL BLDG.		1	16'-0"	14'-0"	2"	STEEL	OHD1	L			
118F	STEEL	-	-	-	G1	G2	G3	MASMETAL BLDG.		1	16'-0"	14'-0"	2"	STEEL	OHD1	L			
119A	HM.	14	4 1/8"	1	M1	M2	-	METAL STUD		2	3'-0"	7'-0"	1 3/4"	16 GA. HM.	F	K	PAIRED DOORS NO CENTER MULLION		
120A	HM.	14	4 1/8"	1	M1	M2	-	METAL STUD		2	3'-0"	7'-0"	1 3/4"	16 GA. HM.	F	K	PAIRED DOORS NO CENTER MULLION		
121A	HM.	14	6 3/4"	1	E1	E2	E3	MASMETAL BLDG.		1	3'-0"	7'-0"	1 3/4"	16 GA. HM.	H6	A			
122A	STEEL	-	-	-	G1	G2	G3	MASMETAL BLDG.		1	14'-0"	14'-0"	2"	STEEL	OHD2	L			
122B	HM.	14	6 3/4"	1	E1	E2	E3	MASMETAL BLDG.		1	3'-0"	7'-0"	1 3/4"	16 GA. HM.	H6	A			
122C	HM.	14	6 3/4"	1	E1	E2	E3	MASMETAL BLDG.		1	3'-0"	7'-0"	1 3/4"	16 GA. HM.	H6	A			
122D	STEEL	-	-	-	G1	G2	G3	MASMETAL BLDG.		1	14'-0"	14'-0"	2"	STEEL	OHD2	L			



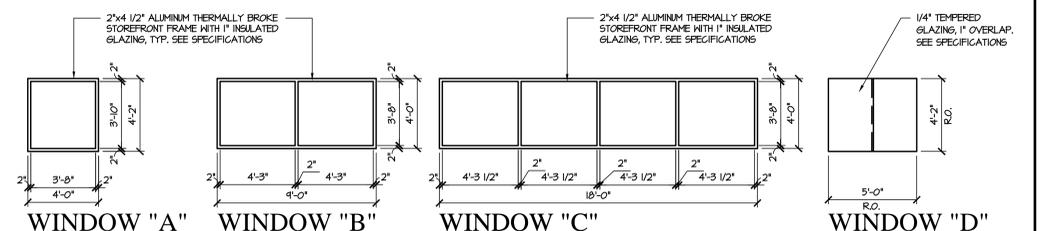
A DOOR ELEVATIONS
A6.01 SCALE: 1/4"=1'-0"



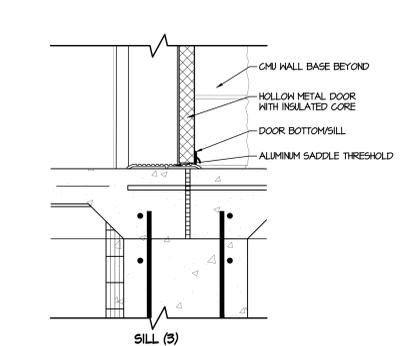
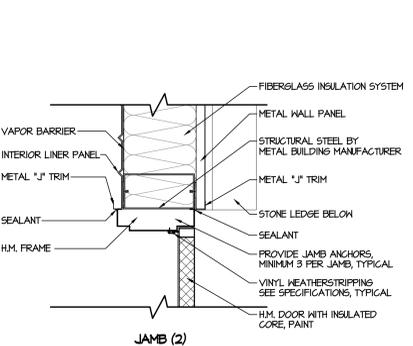
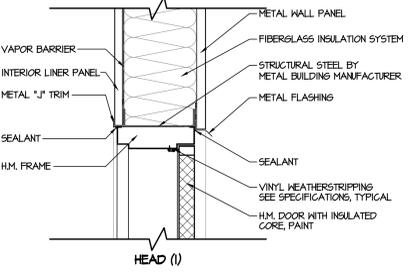
B DOOR FRAME ELEVATIONS
A6.01 SCALE: 1/4"=1'-0"



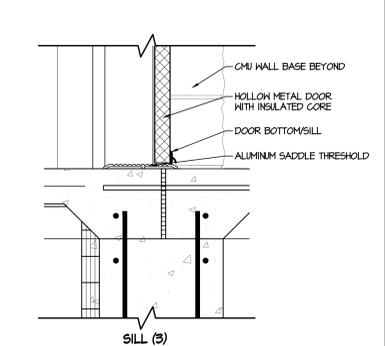
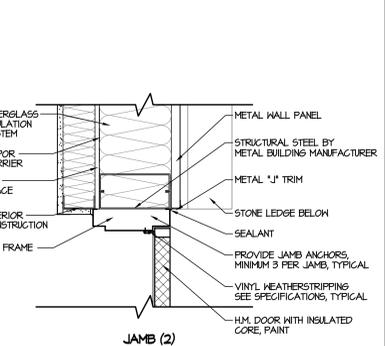
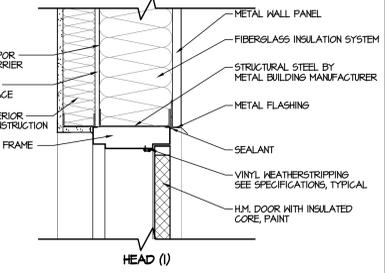
C OVERHEAD DOOR ELEVATIONS
A6.01 SCALE: 1/4"=1'-0"



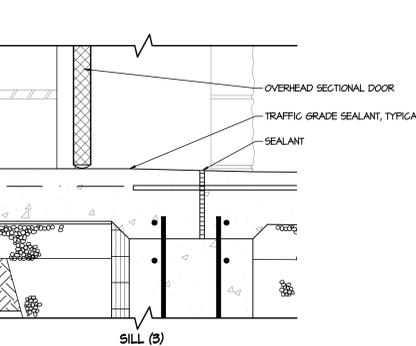
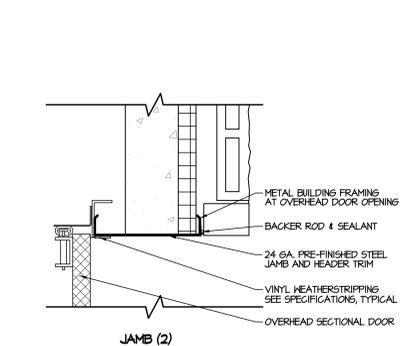
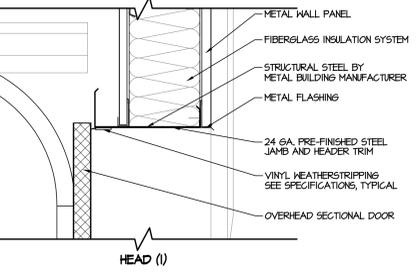
D WINDOW ELEVATIONS
A6.01 SCALE: 1/4"=1'-0"



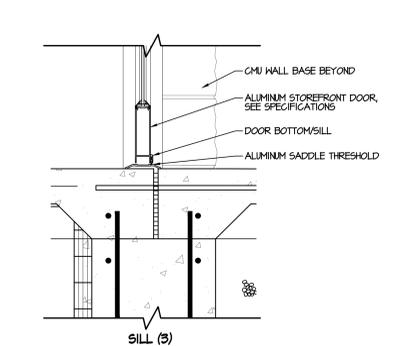
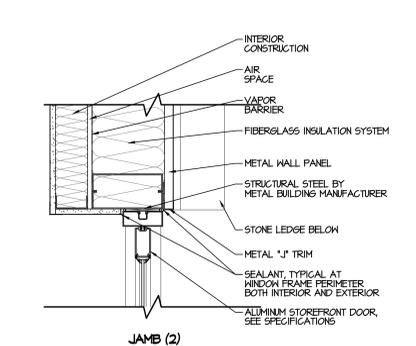
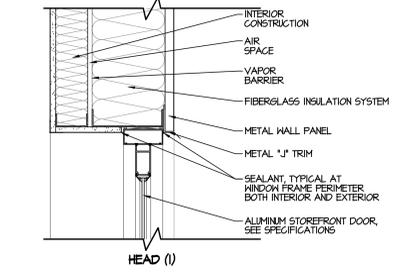
E GARAGE WALKOUT DOOR
A6.01 SCALE: 1 1/2"=1'-0"



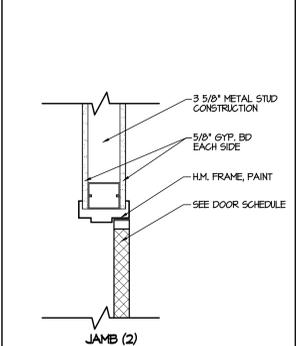
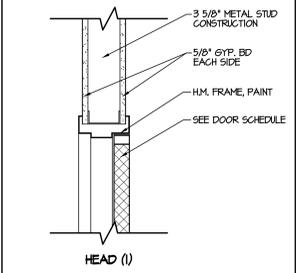
F OFFICE WALKOUT DOOR
A6.01 SCALE: 1 1/2"=1'-0"



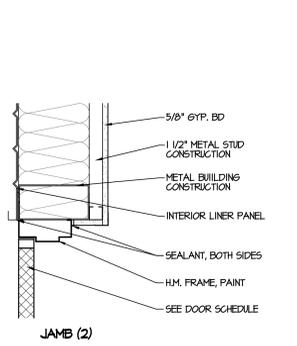
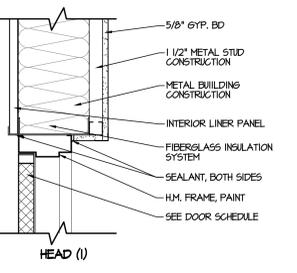
G OVERHEAD DOOR DETAIL
A6.01 SCALE: 1 1/2"=1'-0"



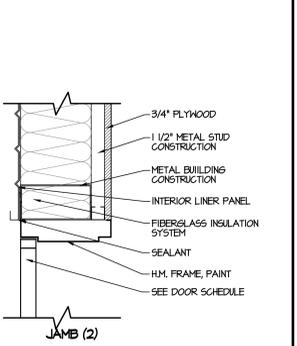
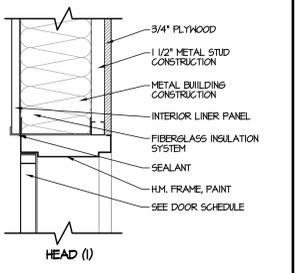
H ALUMINUM STOREFRONT DOOR
A6.01 SCALE: 1 1/2"=1'-0"



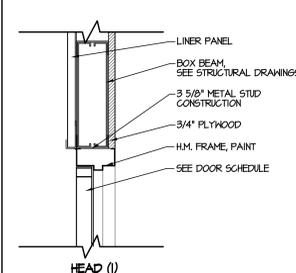
J INTERIOR DOOR
A6.01 SCALE: 1 1/2"=1'-0"



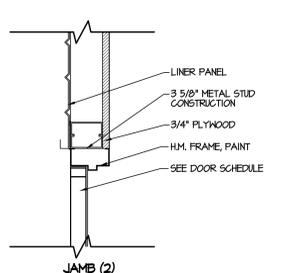
K INTERIOR DOOR
A6.01 SCALE: 1 1/2"=1'-0"



L INTERIOR DOOR
A6.01 SCALE: 1 1/2"=1'-0"



M INTERIOR DOOR
A6.01 SCALE: 1 1/2"=1'-0"



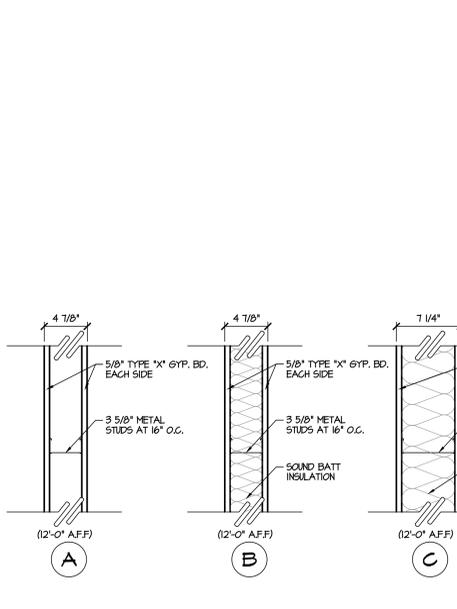
N INTERIOR DOOR
A6.01 SCALE: 1 1/2"=1'-0"

The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

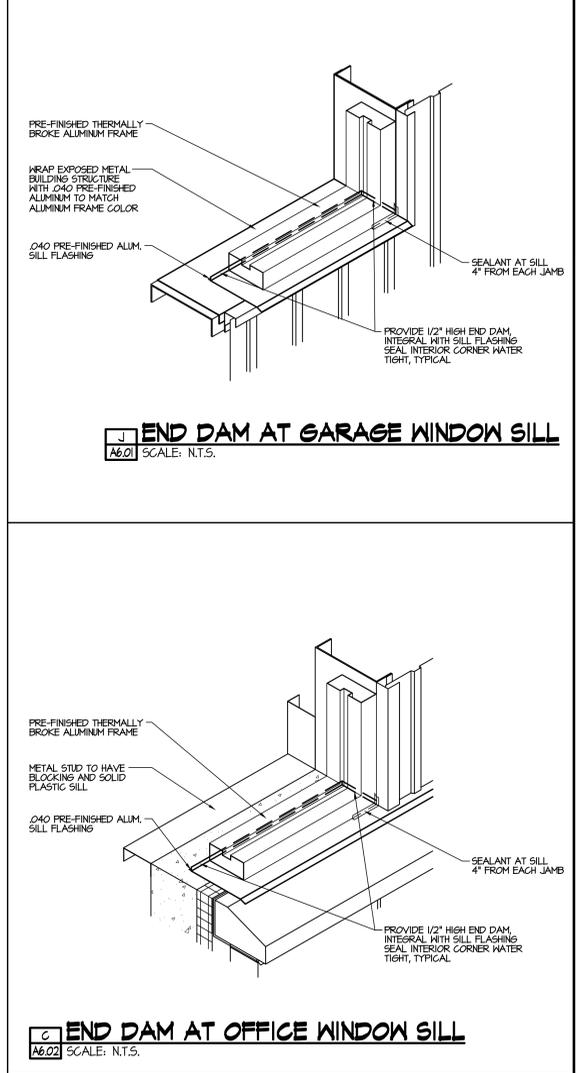
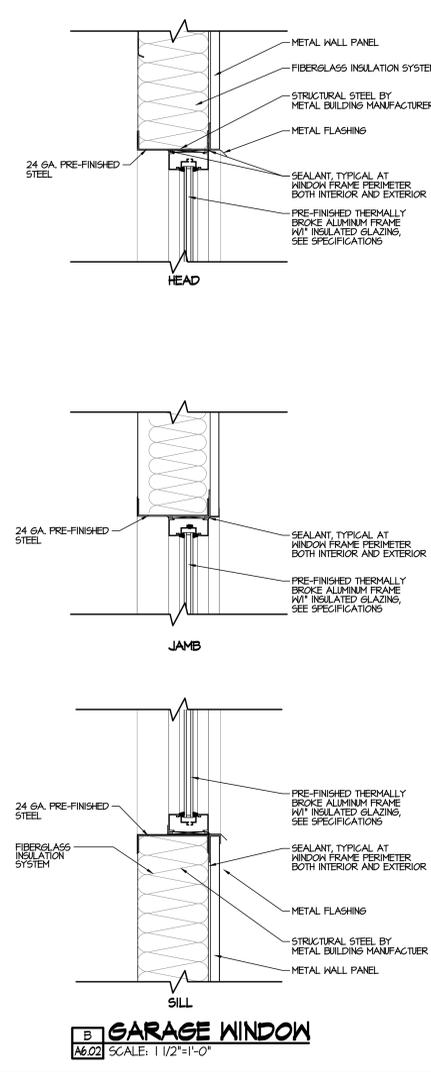
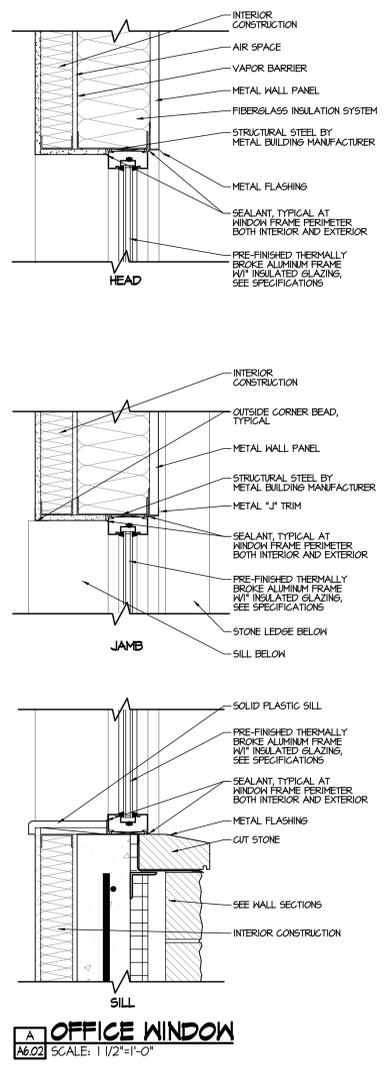
Room Finish Schedule				Wall								Ceiling			Remarks
No.	Room Name	Floor	Base	NORTH		EAST		SOUTH		WEST		Material	Height	Finish	
101	CORRIDOR	SEALED	RUBBER	GYP. BOARD	PAINT	SUSP. ACOUST. TILE	10'-0"	ACT	-						
102	SUPERINTENDENT OFFICE	SEALED	RUBBER	GYP. BOARD	PAINT	SUSP. ACOUST. TILE	10'-0"	ACT	-						
103	ASSISTANT OFFICE	SEALED	RUBBER	GYP. BOARD	PAINT	SUSP. ACOUST. TILE	10'-0"	ACT	-						
104	RECORDS	SEALED	RUBBER	GYP. BOARD	PAINT	SUSP. ACOUST. TILE	10'-0"	ACT	-						
105	BUSINESS	SEALED	RUBBER	GYP. BOARD	PAINT	SUSP. ACOUST. TILE	10'-0"	ACT	-						
106	CORRIDOR	SEALED	RUBBER	GYP. BOARD	PAINT	SUSP. ACOUST. TILE	10'-0"	ACT	-						
107	MECHANICAL	SEALED	RUBBER	GYP. BOARD	PAINT	STRUCTURE	10'-0"	N.A.	-						
108	JANITOR	SEALED	RUBBER	GYP. BOARD	PAINT	STRUCTURE	10'-0"	N.A.	-						
109	WOMEN'S LOCKERS	SEALED	RUBBER	GYP. BOARD	PAINT	GYP. BOARD	10'-0"	PAINT	-						
110	WOMEN'S SHOWER	PCT	PCT	TILE BACKER	CT	TILE BACKER	CT	PAINT	-						
111	MEN'S SHOWER	PCT	PCT	TILE BACKER	CT	TILE BACKER	CT	PAINT	-						
112	MEN'S LOCKER	SEALED	RUBBER	GYP. BOARD	PAINT	GYP. BOARD	10'-0"	PAINT	-						
113	CORRIDOR	SEALED	RUBBER	GYP. BOARD	PAINT	SUSP. ACOUST. TILE	10'-0"	ACT	-						
114	BREAK/TRAINING ROOM	SEALED	RUBBER	GYP. BOARD	PAINT	SUSP. ACOUST. TILE	10'-0"	ACT	-						
114A	JANITOR'S CLOSET	SEALED	RUBBER	GYP. BOARD	PAINT	SUSP. ACOUST. TILE	10'-0"	ACT	-						
115	MECHANIC SHOP	CONCRETE	CONCRETE	PLYWOOD	PAINT	PLYWOOD	PAINT	PLYWOOD	PAINT	PLYWOOD	PAINT	GYP. BOARD	8'-0"	PAINT	-
116	STORAGE	CONCRETE	CONCRETE	PLYWOOD	PAINT	PLYWOOD	PAINT	PLYWOOD	PAINT	PLYWOOD	PAINT	GYP. BOARD	8'-0"	PAINT	-
117	HELPING SHOP	CONCRETE	CONCRETE	-	-	CMU	PAINT	LINER PANEL	-	CMU	PAINT	STRUCTURE	VARIES	N.A.	-
118	GARAGE	CONCRETE	CONCRETE	LINER PANEL	-	STRUCTURE	VARIES	N.A.	-						
119	METER STORAGE	CONCRETE	CONCRETE	PLYWOOD	PAINT	PLYWOOD	PAINT	PLYWOOD	PAINT	PLYWOOD	PAINT	GYP. BOARD	8'-0"	PAINT	-
120	SIGN STORAGE	CONCRETE	CONCRETE	PLYWOOD	PAINT	PLYWOOD	PAINT	PLYWOOD	PAINT	PLYWOOD	PAINT	PLYWOOD	PAINT	PAINT	-
121	BARRICADE STORAGE	CONCRETE	CONCRETE	LINER PANEL	-	LINER PANEL	-	CMU	PAINT	-	-	STRUCTURE	VARIES	N.A.	-
122	WASH BAY	CONCRETE	CONCRETE	-	-	LINER PANEL	-	LINER PANEL	-	LINER PANEL	-	STRUCTURE	VARIES	N.A.	-
M16	MEZZANINE	WOOD	WOOD	PLYWOOD	PAINT	PLYWOOD	PAINT	LINER PANEL	-	LINER PANEL	-	STRUCTURE	VARIES	N.A.	-
M20	MEZZANINE	WOOD	WOOD	PLYWOOD	PAINT	LINER PANEL	-	LINER PANEL	-	PLYWOOD	PAINT	STRUCTURE	VARIES	N.A.	-

Set No.	Door No.	Hardware	Qty.
A	100A 101C 104C 108A 108B 121A 122B	MORTISE HINGES PANIC EXIT DEVICE LOCK CYLINDER CLOSER WEATHER STRIPPING SNEEP ALUMINUM THRESHOLD SILL DRIP	1/2 PAIR 1 1 1 1 1 1
B	106A	HINGES - BY ALUM. DOOR MFR. PANIC EXIT DEVICE LOCK CYLINDER DOOR FALL - BY ALUM. DOOR MFR. HANDICAP ASSIST. OPERATOR/CLOSER WEATHER STRIPPING SNEEP ALUMINUM THRESHOLD	1/2 PAIR 1 1 1 1 1 1
C	100B 108B 108C 108A 108B 108C	MORTISE HINGES MORTISE LATCHSET - PASSAGE FUNCTION CLOSER	1/2 PAIR 1 1 1 1 1
D	100A 102A 102B	MORTISE HINGES PUSH/PULL CLOSER KICKPLATE	1/2 PAIR 1 1 1 1 1
E	102A 102B 102A 102B	MORTISE HINGES MORTISE LATCHSET - OFFICE FUNCTION LOCK CYLINDER	1/2 PAIR 1 1 1 1
F	103B 104B 104C 107A 107B	MORTISE HINGES MORTISE LATCHSET - STOREROOM FUNCTION LOCK CYLINDER	1/2 PAIR 1 1 1 1 1
G	104B	MORTISE HINGES MORTISE LATCHSET - PASSAGE FUNCTION	1/2 PAIR 1
H	101A 101B 101C	MORTISE HINGES MORTISE LATCHSET - PASSAGE FUNCTION CLOSER KICKPLATE WEATHER STRIPPING SNEEP	1/2 PAIR 1 1 1 1 1
J	104D	MORTISE HINGES MORTISE LATCHSET - PASSAGE FUNCTION CLOSER KICKPLATE WEATHER STRIPPING SNEEP REMOVABLE MULLION HOLD OPEN	3 PAIR 2 2 2 2 2
K	105A 105B 105C 105A	MORTISE HINGES MORTISE LATCHSET - STOREROOM FUNCTION LOCK CYLINDER KICKPLATE INTEGRAL ASTRAGAL 1/2" BY DOOR MANUFACTURER ON ACTIVE LEAF FLUSH BOLTS ON INACTIVE LEAF (TOP & BOTTOM)	3 PAIR 3 1 2 2
L	118B 118C 118E 118A 122D	OVERHEAD DOOR HARDWARE BY DOOR MFR. ELECTRIC DOOR OPENER WEATHER STRIPPING SILL GASKET	SET 1 SET SET VERIFY OPENING

Abbreviations	
ACT	ACOUSTIC CEILING TILE
CMU	CONCRETE MASONRY UNIT
CT	CERAMIC TILE
GYP. BOARD	GYP. BOARD
PCT	PORCELAIN CERAMIC TILE
SUSP	SUSPENDED GRID CEILING SYSTEM
VGT	VINYL COMPOSITION TILE



The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.



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ROOM FINISH SCHEDULE, WINDOW DETAILS, & WALL TYPES

City of Mattoon
Public Works Building
401 Dewitt Avenue East
Mattoon, Coles County, Illinois 61938

Drawn: **A. BING**
Date: **July 8, 2016**
Project No.: **2815018**

sheet no. **A6.02**

GENERAL:

THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, BRACING, SHORING FOR LATERAL LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURE OF CONSTRUCTION OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENTAL THERE TO (NOR SHALL OBSERVATION VISITS TO THE SITE INCLUDE INSPECTION OF THESE ITEMS). TEMPORARY SUPPORT FOR EXISTING STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR.

CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA.

ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL WITH APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCIES WITH THE ARCHITECT.

TYPICAL DETAILS MAY NOT NECESSARILY BE SHOWN ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE.

ANY STRUCTURAL ENGINEERING DESIGN, PROVIDED BY OTHER AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ILLINOIS.

THE STRUCTURE IS DESIGNED AS A STABLE UNIT AFTER ALL COMPONENTS ARE IN PLACE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY BRACING AS REQUIRED FOR VERTICAL AND LATERAL STABILITY OF THE ENTIRE STRUCTURE OR PORTION THEREOF DURING CONSTRUCTION.

DESIGN CODE

THE STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 2003 INTERNATIONAL BUILDING CODE

DESIGN LOADS

FLOOR LIVE LOAD
OFFICE AREA LIVE LOAD = 40 PSF
GARAGE AREA LIVE LOAD = 250 PSF
ROOF DEAD LOAD = 20 PSF
ROOF LIVE LOAD = 20 PSF
ROOF SNOW LOAD
Pg = 20 PSF
Pf = 22 PSF
Ce = 1.0
I = 1.1

WIND DESIGN DATA

Basic Wind Speed = 90 mph
Wind Importance Factor, Iw = 1.15
Building Category C
Wind Exposure C
Internal Pressure Coefficient, GCpi = ± 0.18
Roof Joist Negative Pressure = -22.02 psf
Roof Joist Positive Pressure = 6.54 psf
Roof Deck Positive Pressure = 8.26 psf
Roof Deck, Fastener Negative Pressure (Zone 1) = -20.3 psf
Roof Deck, Fastener Negative Pressure (Zone 2) = -34.07 psf
Roof Deck, Fastener Negative Pressure (Zone 3) = -51.28 psf

EARTHQUAKE DESIGN DATA

Seismic Importance Factor, Ie = 1.5
Mapped Spectral Response Acceleration, Ss = 0.679
Mapped Spectral Response Acceleration, Si = 0.424
Site Class E
Spectral Response Coefficient, Sm = 0.453g
Spectral Response Coefficient, Sni = 0.282g

STANDARDS:

ACI AMERICAN CONCRETE INSTITUTE
AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
ASTM AMERICAN SOCIETY OF TESTING AND MATERIALS
AWS AMERICAN WELDING SOCIETY
CRSI CONCRETE REINFORCING STEEL INSTITUTE
UL UNDERWRITER'S LABORATORY

DRYPACK:

DRYPACK SHALL BE 5,000 PSI NON-SHRINK GROUT. INSTALL DRYPACK UNDER BEARING PLATES BEFORE FRAMING MEMBER IS INSTALLED. AT COLUMNS, INSTALL DRYPACK UNDER BASEPLATES AFTER COLUMN HAS BEEN PLUMBED BUT PRIOR TO FLOOR OR ROOF INSTALLATION.

CONCRETE:

MINIMUM 28 DAY STRENGTH (F'c) = 3,500 PSI. ALL EXTERIOR CONCRETE, I.E. WALKS, CURBS AND GUTTERS, ETC.

MINIMUM 28 DAY STRENGTH (F'c) = 3,500 PSI. ALL BUILDING FOOTINGS, FOUNDATION WALL AND BUILDING FLOOR SLAB.

NECESSARY INSERTS, TIES, CLIPS, ANCHORS AND OTHER FASTENING DEVICES SHALL BE PROVIDED AS REQUIRED.

MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED, EXCEPT THAT SLABS ON GRADE NEED BE VIBRATED ONLY AROUND UNDER-FLOOR DUCTS, ETC. MAXIMUM SLUMP 4" FOR CONCRETE WITHOUT PLASTICIZER. IF PLASTICIZER IS USED, A HIGHER FINAL SLUMP MAY BE ALLOWED UPON STRUCTURAL ENGINEER'S APPROVAL. CAST CLOSURE POUR AROUND COLUMNS AFTER COLUMN DEAD LOAD IS APPLIED. UNLESS OTHERWISE APPROVED IN WRITING BY THE ARCHITECT, ALL CONCRETE SLABS ON GRADE SHALL BE BOUND BY CONTROL JOINTS (KEYED OR SAW CUT), AS SHOWN ON THE FOUNDATION PLAN, OR AS SUCH THAT THE ENCLOSED AREA DOES NOT EXCEED 400 SQUARE FEET. KEYED CONTROL JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING; ALL OTHER JOINTS MAY BE SAW CUT. SAW CUTS MUST OCCUR WITHIN 12 HOURS OF CONCRETE PLACEMENT.

REINFORCING:

ASTM A615 (Fy - 60 KSI) DEFORMED BARS FOR ALL REINF. ALL GRADE 60 REINF. TO BE WELDED SHALL BE ASTM A706. WELDED WIRE FABRIC PER ASTM A185, WIRE PER ASTM A82. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE WITH THE STRUCTURAL ENGINEER. LATEST ACI CODE AND DETAILING MANUAL APPLY. CLEAR CONCRETE COVERAGES AS FOLLOWS:

Table with 2 columns: Location and Rebar Size. Rows include: CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH (3"), EXPOSED TO EARTH OR WEATHER (#6 OR LARGER (2"), #5 OR SMALLER (1 1/2"), FLAT SLAB INTERIOR (3/4"), FLAT SLAB EXTERIOR (1 1/2"), ALL OTHER PER LATEST EDITION OF ACI 318

SLAB ON GRADE, UNLESS OTHERWISE NOTED ON DRAWING, TO HAVE REINFORCEMENT 2 INCHES FROM TOP OF SLAB

LAP SPLICES IN CONCRETE:

SEE LAP SPLICE SCHEDULE FOR REBAR. LAPS IN WELDED WIRE FABRIC SHALL BE MADE SO THAT THE OVERLAP, MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET, IS NOT LESS THAN THE SPACING OF CROSS WIRES PLUS 2 INCHES. ALL WELDED WIRE FABRIC SHALL BE CHAIRED TO ENSURE PROPER CLEARANCES.

ALL SPLICE LOCATIONS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT ALL CORNERS AND INTERSECTIONS PER TYPICAL DETAILS. REINFORCING BAR SPACING GIVEN ARE MAXIMUM ON CENTERS. ALL BARS PER CRSI SPECIFICATIONS AND HANDBOOK. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION WITH STANDARD 90 DEGREE HOOKS UNLESS NOTED OTHERWISE. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE.

Table: MIN. LAP SPLICE LENGTH SCHEDULE. Columns: BAR TYPE, BAR SIZE (#3-#11), and Splice Length (ft). Rows: CONCRETE, CONCRETE TOP BARS, MASONRY.

COLD FORMED STRUCTURAL STEEL FRAMING:

ALL COLD-FORMED STEEL FRAMING SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE LATEST EDITION OF "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" BY THE AMERICAN IRON AND STEEL INSTITUTE. STEEL FOR 14 AND 16 GAGE STUDS SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI. STEEL FOR ALL 18 AND 20 GAGE STUDS AND JOISTS, AND FOR ALL GAGE OF TRACK, ACCESSORIES AND BRIDGING SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI. STEEL SHALL BE GALVANIZED WITH A MINIMUM G-60 COATING.

ALL STUDS SHALL BE SECURELY SEATED FOR FULL END BEARING ON TOP AND BOTTOM TRACK. UNLESS NOTED OTHERWISE, PROVIDE DOUBLE STUDS AT ALL JAMBS, CORNERS AND INTERSECTIONS. BRIDGING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION WITH THE FOLLOWING MINIMUM REQUIREMENTS.

PROVIDE BRIDGING AT MID-HEIGHT FOR WALLS LESS THAN OR EQUAL TO 10'-0" HIGH, AND 4'-0" O.C. MAXIMUM FOR WALLS GREATER THAN 10'-0" HIGH IN ADDITION, BRIDGING SHALL BE PROVIDED AT ROOF LINES AND ELSEWHERE AS NOTED ON THE DRAWINGS. SOLID BLOCKING SHALL BE INSTALLED IN LIEU OF BRIDGING WHERE NOTED ON THE DRAWINGS.

ALL WELDING SHALL BE PERFORMED BY WELDERS EXPERIENCED IN LIGHT GAGE STRUCTURAL STEEL FRAMING WORK. DO NOT NOTCH FLANGES OF STUDS.

FOUNDATION AND EARTH WORK

EXTERIOR SPREAD FOOTINGS SHALL BE FOUNDED AT A MINIMUM DEPTH OF 36" INTERIOR FOOTINGS MAY BE FOUNDED AT A DEPTH OF 1' BELOW THE FINAL SUBGRADE ELEVATION. DESIGN SOIL BEARING PRESSURE = 2200 PSF.

SOILS SHALL BE INSPECTED BY SOILS ENGINEER PRIOR TO PLACEMENT OF CONCRETE. ALL FOUNDATION AND EARTHWORK SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH ARCHITECT/ENGINEER AND SHALL BE INSPECTED AND APPROVED BY A SOILS ENGINEER PRIOR TO ANY TYPE OF CONSTRUCTION.

STEEL JOISTS OR PURLINS:

ALL JOISTS SHALL BE DESIGNED, FABRICATED, WELDED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS" OF THE STEEL JOIST INSTITUTE.

JOIST MANUFACTURER SHALL DESIGN AND SUBMIT CALCULATIONS BY A REGISTERED ENGINEER FOR ALL JOISTS, EXCEPT PARALLEL CHORD JOISTS WITH UNIFORM LOADS AND CONTINUOUSLY SUPPORTED COMPRESSION CHORDS PER SJI STANDARD LOAD TABLES. CALCULATIONS SHALL INCLUDE DEFLECTION AND CAMBER REQUIREMENTS. LIVE LOAD DEFLECTIONS SHALL BE LIMITED TO SPAN/360. TOTAL LOAD DEFLECTIONS SHALL BE LIMITED TO SPAN/240. ALL JOISTS SHALL BE CAMBERED FOR THE DESIGN DEAD LOAD. MANUFACTURER SHALL ADD ADDITIONAL WEB MEMBERS AS REQUIRED AND ADJUST CHORD AND WEB SIZES ACCORDINGLY, BUT SHALL NOT ALTER THE DEPTH OF THE JOISTS. DESIGN CALCULATIONS SHALL INCLUDE SUPERIMPOSED LOADS FOR FRAMING SUPPORTED EQUIPMENT. VERIFY SIZE, WEIGHT AND LOCATION OF EQUIPMENT WITH ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH DESIGN CALCULATIONS SEALED BY A REGISTERED ENGINEER IN THE STATE OF ILLINOIS FOR REVIEW PRIOR TO MANUFACTURE. SHOP DRAWINGS AND CALCULATIONS SHALL INCLUDE DETAILS OF ANY OPTIONAL FIELD SPLICES, AND IF HIGH STRENGTH BOLTS OR FULL PENETRATION WELDS ARE UTILIZED. CONTRACTOR SHALL RETAIN AN INDEPENDENT TESTING LABORATORY TO CERTIFY COMPLIANCE WITH AISC AND AWS SPECIFICATIONS RESPECTIVELY.

JOISTS OR BEAMS TO BE EQUALLY SPACED BETWEEN COLUMN LINES - TYPICAL UNLESS NOTED OTHERWISE. PROVIDE BRIDGING AS REQUIRED PER SJI SPECIFICATIONS. WHERE BOTTOM CHORD WELDING IS INDICATED, DO NOT WELD BOTTOM CHORD TO SUPPORT UNTIL FULL DEAD LOAD IS IN PLACE. PROVIDE JOIST BEARING PLATES AND ANCHORS.

ALL JOISTS 40' AND LONGER ARE REQUIRED TO HAVE A ROW OF BOLTED BRIDGING TO BE IN PLACE BEFORE SLACKENING OF HOISTING LINES. WHERE COLUMNS ARE NOT FRAMED IN AT LEAST TWO DIRECTIONS, A BAR JOIST SHALL BE FIELD-BOLTED AT COLUMNS TO PROVIDE LATERAL STABILITY DURING CONSTRUCTION. ONLY DIAGONAL BRIDGING SHALL BE USED FOR LH SERIES JOISTS.

WHERE CROSS BRIDGING INTERFERES WITH MECHANICAL INSTALLATIONS, REMOVE THIS CROSS BRIDGING AFTER TOTAL DEAD LOAD IS APPLIED AND REPLACE WITH HORIZONTAL ANGLES 2"x2"x3/16" AT TOP AND BOTTOM CHORDS.

MANUFACTURER SHALL DESIGN JOIST SHOES WHERE BEARING LENGTH IS LESS THAN 4" AT LH SERIES JOIST AND LESS THAN 2 1/2" AT K SERIES JOIST ON STEEL. THE CONTRACTOR HAS THE OPTION OF PROVIDING ADDITIONAL JOIST SUPPORT.

ALL CONCENTRATED LOADS ON STEEL JOISTS EXCEEDING 150 LBS. SHALL BE LOCATED AT PANEL (NODE) POINTS. LOAD IN EXCESS OF 500 LBS. SHALL BE SUBMITTED TO THE JOIST MANUFACTURER FOR APPROVAL.

DESIGN EACH JOIST SEAT FOR A 1 KIP LATERAL LOAD PERPENDICULAR TO THE SEAT DUE TO DIAPHRAGM ACTION.

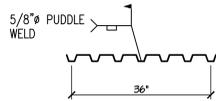
THE JOIST MANUFACTURER SHALL BE A MEMBER OF THE STEEL JOIST INSTITUTE.

ROOF DECK AT PORCHES:

METAL ROOF DECK SHALL CONFORM TO THE AISI "SPECIFICATION FOR THE LIGHT GAUGE COLD FORMED STRUCTURAL STEEL MEMBERS" AND STEEL DECK INSTITUTE SPECIFICATIONS FOR STEEL ROOF DECK AND STEEL DECK INSTITUTE SPECIFICATIONS FOR RECOMMENDED STANDARD PRACTICE. ATTACHMENT OF FASTENERS TO THE DECK SHALL CONFORM TO THE MAXIMUM REQUIREMENTS OF THE DESIGN LOADS, SDI SPECIFICATIONS SECTION 4.4, AND THE MINIMUM DIAPHRAGM ATTACHMENT REQUIREMENTS AS SHOWN BELOW.

DECK OVER MAIN BUILDING SHALL BE 1 1/2" DEEP, 36" WIDE 20 GAUGE, TYPE "B" GALVANIZED STEEL WITH MINIMUM YIELD STRESS OF 33 KSI, WITH MINIMUM S = 0.234 IN3 AND I = 0.212 IN4 PER FOOT OF WIDTH.

DECK SHALL BE ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AS 2 SPAN MINIMUM AND SHALL BE ATTACHED FOR A MINIMUM DIAPHRAGM SHEAR CAPACITY OF 299 PLF USING THE FOLLOWING MINIMUM ATTACHMENTS:



TYP. WELD PATTERN FOR ROOF DECK ATTACHMENT NOTES

- 1. ATTACHMENTS AT SUPPORTS SHALL BE WELDS.
- 2. ATTACHMENTS AT SIDE LAPS SHALL BE #10 TEK SCREWS TYP.
- 3. ATTACHMENTS AROUND OPENINGS SHALL BE WELDS @ 6" O.C.
- 4. ATTACHMENTS AT SIDE SUPPORTS ALONG PERIMETER SHALL BE WELDS AT 6" O.C.
- 5. MINIMUM END LAP 3" TYP.
- 6. THERE SHALL BE 3 SIDE LAP FASTENERS PER SPAN.
- 7. DECK TO BE ATTACHED TO BAR JOISTS WITH A 36/3 PATTERN.

STANDING SEAM ROOF

STANDING SEAM ROOF SHALL BE IN ACCORDANCE WITH SECTION 13340 OF THE SPECIFICATIONS.

STRUCTURAL STEEL

STRUCTURAL STEEL W-SHAPES SHALL BE ASTM A992 (Fy = 50 KSI). STRUCTURAL STEEL ANGLES, PLATES, AND BARS SHALL BE ASTM A36 (Fy = 36 KSI). ALL TUBE STEEL SHALL BE ASTM A500 (Fy = 46 KSI). ALL STRUCTURAL STEEL SHALL BE DETAIL FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION. ENDS OF ALL STEEL TUBE COLUMNS SHALL BE SEALED WITH 1/4" COVER PLATES.

ALL EXPANSION AND EPOXY BOLTS TO HAVE I.C.B.O. RATING FOR MATERIAL INTO WHICH INSTALLATION TAKES PLACE. ANCHOR BOLTS SHALL BE ASTM A307.

ALL WELDING SHALL BE DONE BY CERTIFIED WELDER IN ACCORDANCE WITH AMERICAN WELDING SOCIETY STANDARDS. ALL WELDS SHALL USE E70 ELECTRODES. ALL SURFACES WITH WELDING INDICATED ON THE STRUCTURAL DRAWING SHALL BE FREE OF PAINT. WELDING FOR MATERIAL INDICATED ON ARCHITECTURAL DRAWINGS AND METAL ROOF DECK MAY BE TO SURFACES WITH A THIN COAT OF SHOP PRIMER.

CONTRACTOR IS RESPONSIBLE FOR ALL MISCELLANEOUS STEEL. THIS INCLUDES, BUT IS NOT LIMITED TO, PERIMETER ANGLES AROUND ENTIRE BUILDING AT FLOOR AND ROOF LEVELS, BEARING PLATES FOR ALL COLUMNS, BEAMS, LINTELS, AND JOISTS; ANCHORS FOR BEAMS, LINTELS, AND JOISTS; AND REINFORCING PLATES AND ANGLES FOR ALL FLOOR AND ROOF OPENINGS.

HIGH STRENGTH BOLTS:

ALL HIGH STRENGTH BOLTS SHALL BE ASTM A325 AND SHALL BE INSTALLED AS BEARING-TYPE CONNECTION WITH THREADS INCLUDED IN SHEAR PLANE (I.E. A TYPE "N" CONNECTOR) EXCEPT THOSE NOTED TO BE SLIP CRITICAL (S.C.) BOLTS MAY BE TIGHTENED USING AISC APPROVED METHOD ALL HIGH STRENGTH BOLTING SHALL BE INSPECTED BY AN INDEPENDENT TESTING LABORATORY TO ENSURE BOLT TENSION.

MASONRY:

HOLLOW MASONRY UNITS SHALL CONFORM TO ASTM C90, GRADE N, TYPE II, WITH A MINIMUM ULTIMATE COMPRESSIVE STRENGTH (fm) OF 2,150 PSI OF THE NET SECTION. MASONRY GROUT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,000 PSI. MORTAR AND UNIT MASONRY SUCH THAT fm = 1,500 PSI MINIMUM FOR THE ASSEMBLY. MAXIMUM GROUT LIFT SHALL BE 4'-0", UNLESS NOTED OTHERWISE ON THE PLANS. GROUT SHALL BE CONSOLIDATED BY METHODS WHICH ENSURE COMPLETE FILLING OF THE CELLS. ALL CELLS CONTAINING REINFORCING BARS AND/OR ANCHOR BOLTS SHALL BE FULLY GROUTED. BEARING ZONES FOR LINTELS, ETC. SHALL BE OVER A MINIMUM OF TWO COURSES OF HOLLOW MASONRY UNITS GROUTED SOLID OR 100% SOLID BRICK OR BLOCK. ALL WALLS SHALL HAVE HORIZONTAL REINFORCEMENT AT 16" ON CENTER VERTICALLY. ALL BARS SHALL BE COMPLETELY EMBEDDED IN GROUT. ALL BARS SHALL BE PLACED AT THE MID POINT OF THE MASONRY WIDTH. BEARING PLATES AND ANCHOR BOLTS FOR ALL JOISTS, BEAMS, AND LINTELS BEARING ON MASONRY SHALL BE PROVIDED AS REQUIRED.

VERTICAL REINFORCING:

(1) #5 IN CENTER OF GROUT AT CENTER OF WALL, CONTINUOUS FULL HEIGHT OF WALL AT ALL CORNERS, INTERSECTIONS, WALL ENDS, BEAM BEARINGS, JAMBS, EACH SIDE OF CONTROL JOINTS AND AT INTERVALS NOT TO EXCEED 48" O.C. UNLESS NOTED OTHERWISE. TIE AT 8'-0" VERTICALLY, WITH SINGLE WIRE LOOP TIE. LAP SPLICES SHALL BE 48 BAR DIAMETERS FOR GRADE 60 BARS. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION WITH DOWELS TO MATCH VERTICAL REINFORCING. MECHANICAL CONNECTORS MAY BE USED IN LIEU OF LAPS. MECHANICAL CONNECTORS MUST BE ABLE TO DEVELOP 125 PERCENT OF THE BAR YIELD STRENGTH.

HORIZONTAL REINFORCING:

(2) #5 IN MINIMUM 8" DEEP GROUTED CONTINUOUS BOND BEAM AT ROOF LINE. (1) #5 IN MINIMUM 8" DEEP GROUTED CONTINUOUS BOND BEAM AT TOP OF PARAPET OR TOP OF A FREESTANDING WALL. PLACE THESE BARS CONTINUOUS THRU CONTROL JOINTS PER TYPICAL DETAIL. PROVIDE BENT BARS PER TYPICAL DETAILS, TO MATCH HORIZONTAL BOND BEAM REINFORCING AT CORNERS AND WALL INTERSECTION TO MAINTAIN BOND BEAM CONTINUITY. LAP SPLICES SHALL BE 48 BAR DIAMETERS FOR GRADE 60 BARS. STAGGER SPLICES A MINIMUM OF 40 BAR DIAMETERS. DO NOT SPLICE WITHIN 8'-0" OF CONTROL JOINTS. STANDARD WEIGHT (NO. 9 GAGE WIRE) LADDER TYPE JOINT REINFORCEMENT AT 16" O.C. IN MASONRY WALLS. PROVIDE HORIZONTAL REINFORCEMENT EVERY COURSE AT 8" O.C. BELOW GRADE.

SHOP DRAWINGS:

SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY SPECIFICATIONS.

THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS SHALL BE FLAGGED UPON HIS REVIEW. ALL SHOP DRAWINGS SHALL BE REVIEW STAMPED BY THE CONTRACTOR PRIOR TO SUBMITTAL.

ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM CONTRACT DOCUMENTS SHALL BE CLOUDED BY THE MANUFACTURER OR FABRICATOR. ANY OF THE AFOREMENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES SHALL NOT BE CONSIDERED APPROVED AFTER A/E REVIEW, UNLESS NOTED ACCORDINGLY.

THE A/E MAY DISAPPROVE CHANGES TO THE SHOP DRAWINGS IDENTIFIED AND SUBMITTED BY THE CONTRACTOR DURING SHOP DRAWING REVIEW.

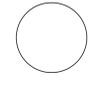
THE SHOP DRAWINGS DO NOT REPLACE THE CONTRACT DOCUMENTS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGGED BY THE STRUCTURAL ENGINEER OR ARCHITECT ARE NOT TO BE CONSIDERED CHANGES TO CONTRACT DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE SURE ITEMS ARE CONSTRUCTED TO CONTRACT DOCUMENTS.

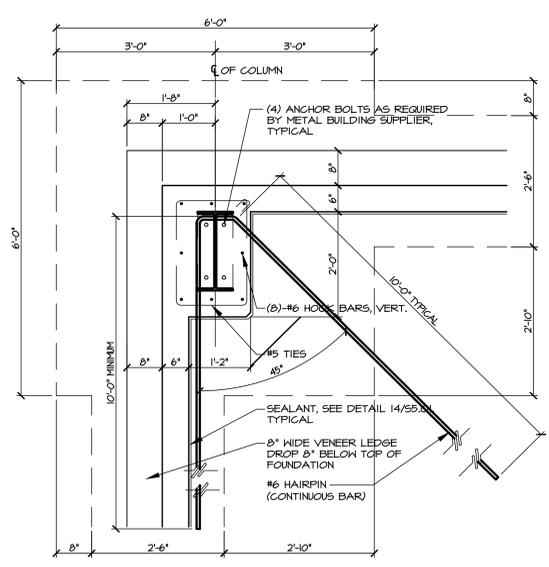
THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY.

REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR.

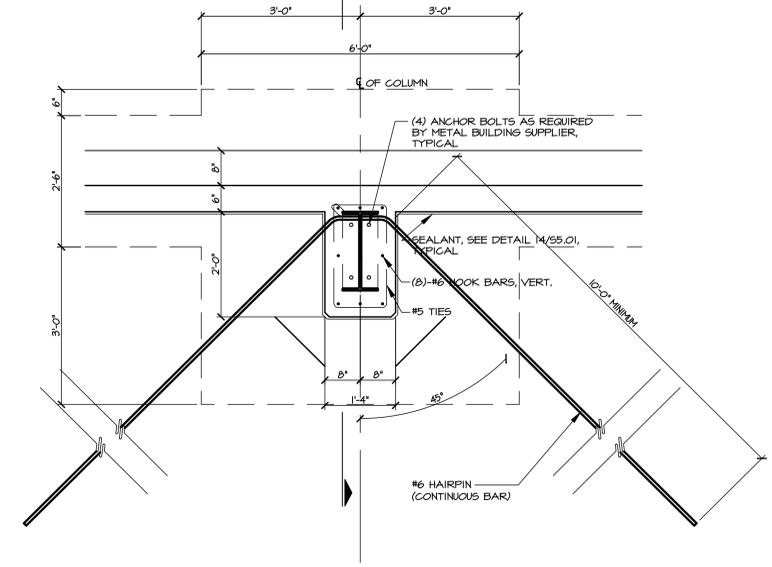
THE CONTRACTOR SHALL NOT REPRODUCE ANY PORTION OF CONTRACT DOCUMENTS AS SHOP DRAWINGS.

THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR STRUCTURAL STEEL FRAMING. BRACING SHALL BE ABLE TO PROVIDE LATERAL STABILITY FOR FULL DESIGN STRENGTH OF FRAMING MEMBERS.

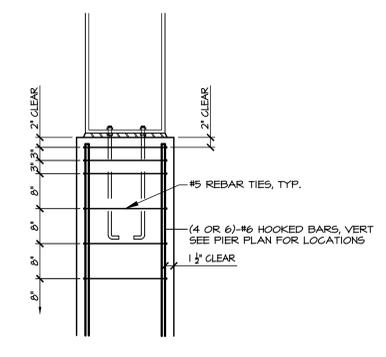




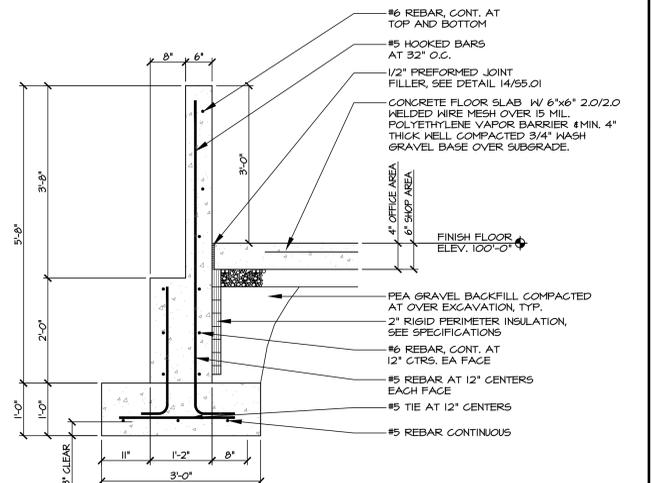
1 CORNER PIER PLAN
 S5.01 SCALE: 3/4" = 1'-0"



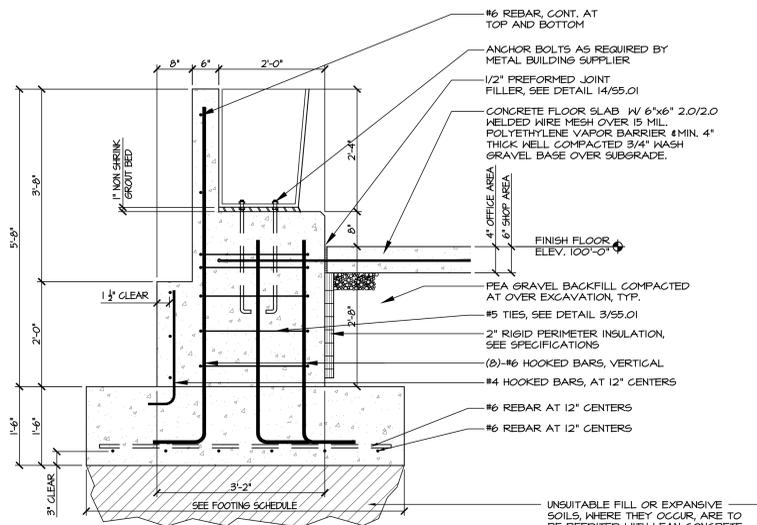
2 PIER PLAN EAST WALL (WEST WALL SIMILAR)
 S5.01 SCALE: 3/4" = 1'-0"



3 REBAR TIE AT PIERS
 S5.01 SCALE: 3/4" = 1'-0"

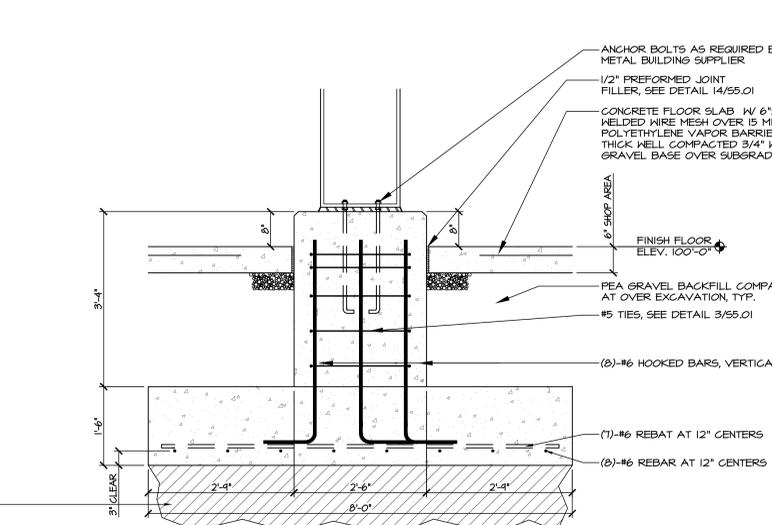


4 FOUNDATION WALL DETAIL
 S5.01 SCALE: 3/4" = 1'-0"



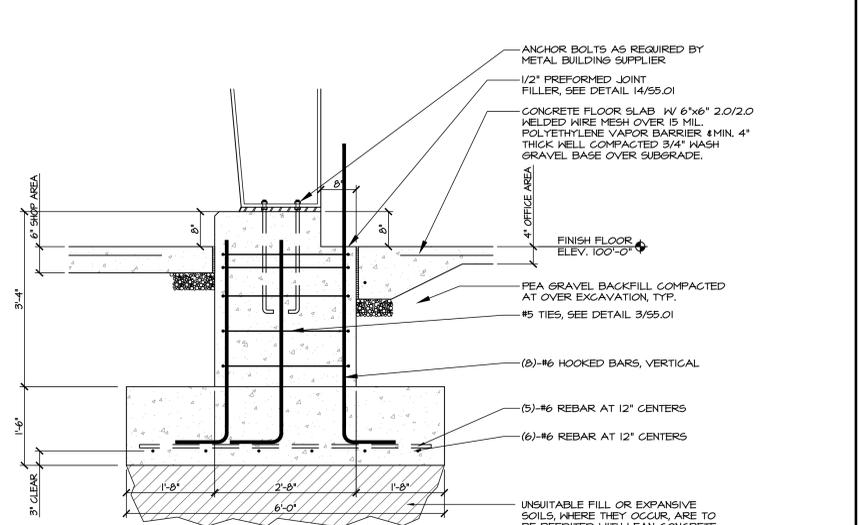
5 EXTERIOR PIER & FOOTING SECTION
 S5.01 SCALE: 3/4" = 1'-0"

* NOTE: FOR UNSUITABLE SOILS, REMEDIATION SHOWN ON THIS SECTION IS ON AN AS-NEEDED BASIS, DUE TO UNSUITABLE CONDITIONS ENCOUNTERED DURING FOUNDATION EXCAVATION.



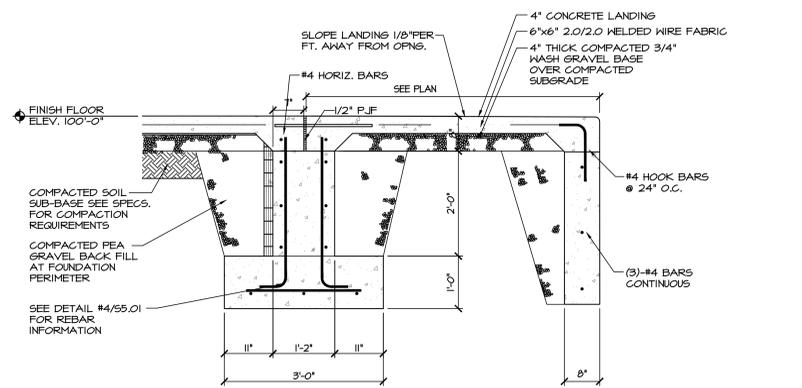
6 INTERIOR PIER & FOOTING SECTION
 S5.01 SCALE: 3/4" = 1'-0"

* NOTE: FOR UNSUITABLE SOILS, REMEDIATION SHOWN ON THIS SECTION IS ON AN AS-NEEDED BASIS, DUE TO UNSUITABLE CONDITIONS ENCOUNTERED DURING FOUNDATION EXCAVATION.

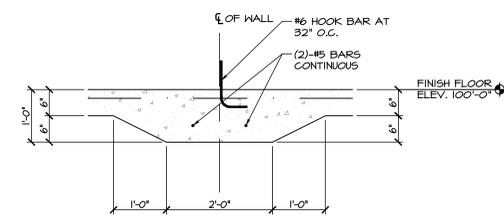


7 INTERIOR PIER & FOOTING SECTION
 S5.01 SCALE: 3/4" = 1'-0"

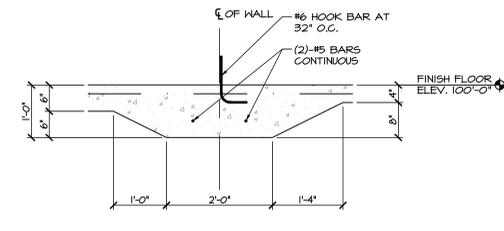
* NOTE: FOR UNSUITABLE SOILS, REMEDIATION SHOWN ON THIS SECTION IS ON AN AS-NEEDED BASIS, DUE TO UNSUITABLE CONDITIONS ENCOUNTERED DURING FOUNDATION EXCAVATION.



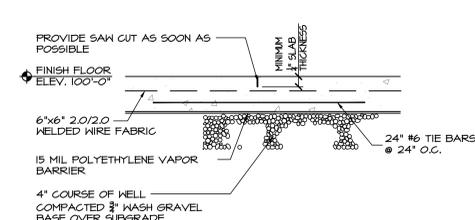
8 DETAIL @ WALK OUT DOOR OPENINGS
 S5.01 SCALE: 3/4" = 1'-0"



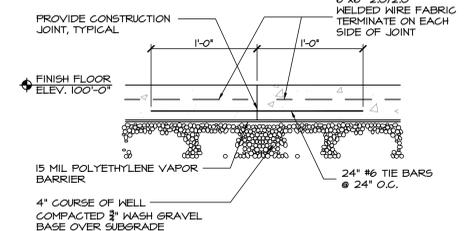
9 THICKENED SLAB DETAIL
 S5.01 SCALE: 3/4" = 1'-0"



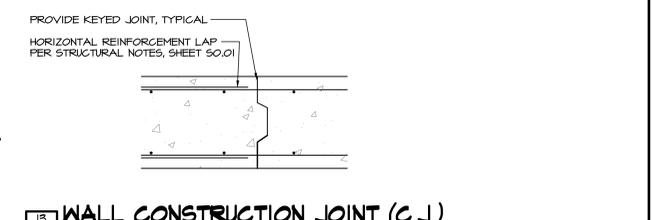
10 THICKENED SLAB DETAIL
 S5.01 SCALE: 3/4" = 1'-0"



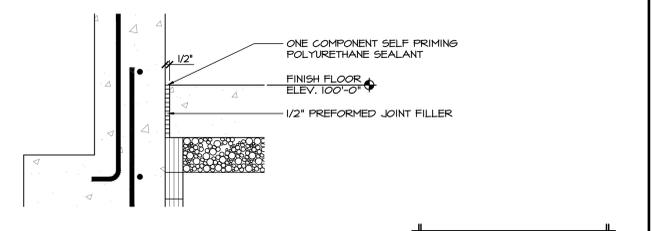
11 SAWED JOINT (S.J.)
 S5.01 SCALE: 1/2" = 1'-0"



12 CONSTRUCTION JOINT (C.J.)
 S5.01 SCALE: 1/2" = 1'-0"



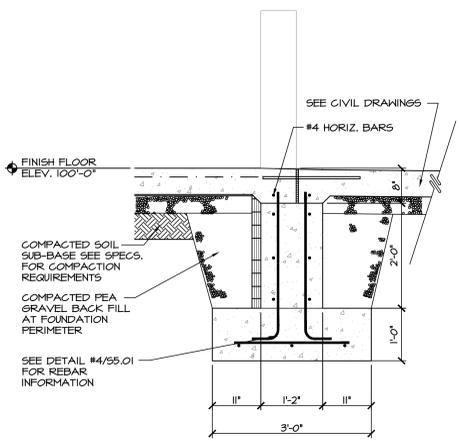
13 WALL CONSTRUCTION JOINT (C.J.)
 S5.01 SCALE: 1/2" = 1'-0"



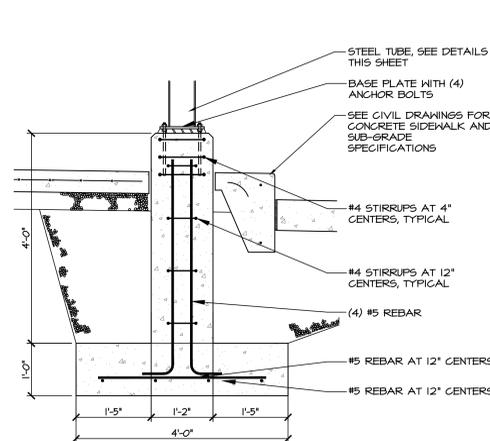
14 SEALANT DETAIL
 S5.01 SCALE: 1/2" = 1'-0"

* NOTE: DIMENSIONS TO BE REFINED AFTER SHOP DRAWINGS FOR METAL BUILDING ARE APPROVED, TYP.

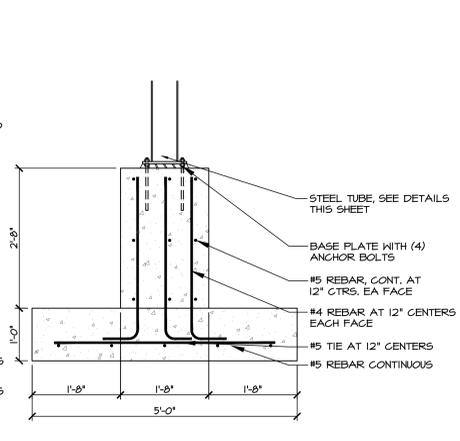
The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.



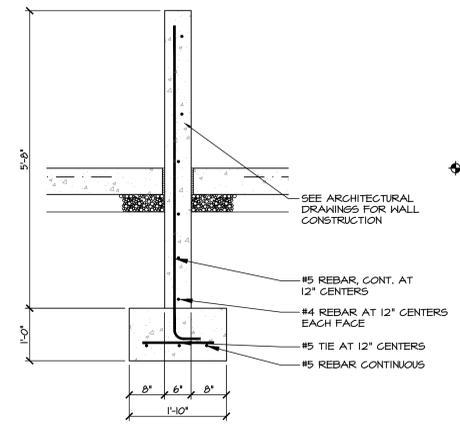
1 FOUNDATION WALL @ OVERHEAD DOOR
 S5.02 SCALE: 3/4" = 1'-0"



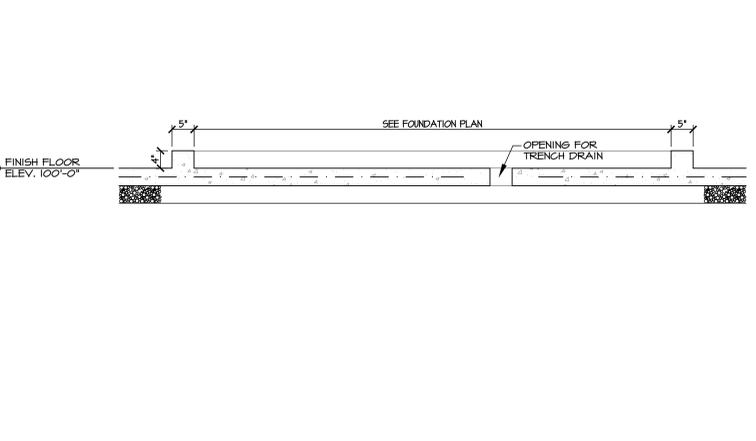
2 EXTERIOR COLUMN SECTION
 S5.02 SCALE: 3/4" = 1'-0"



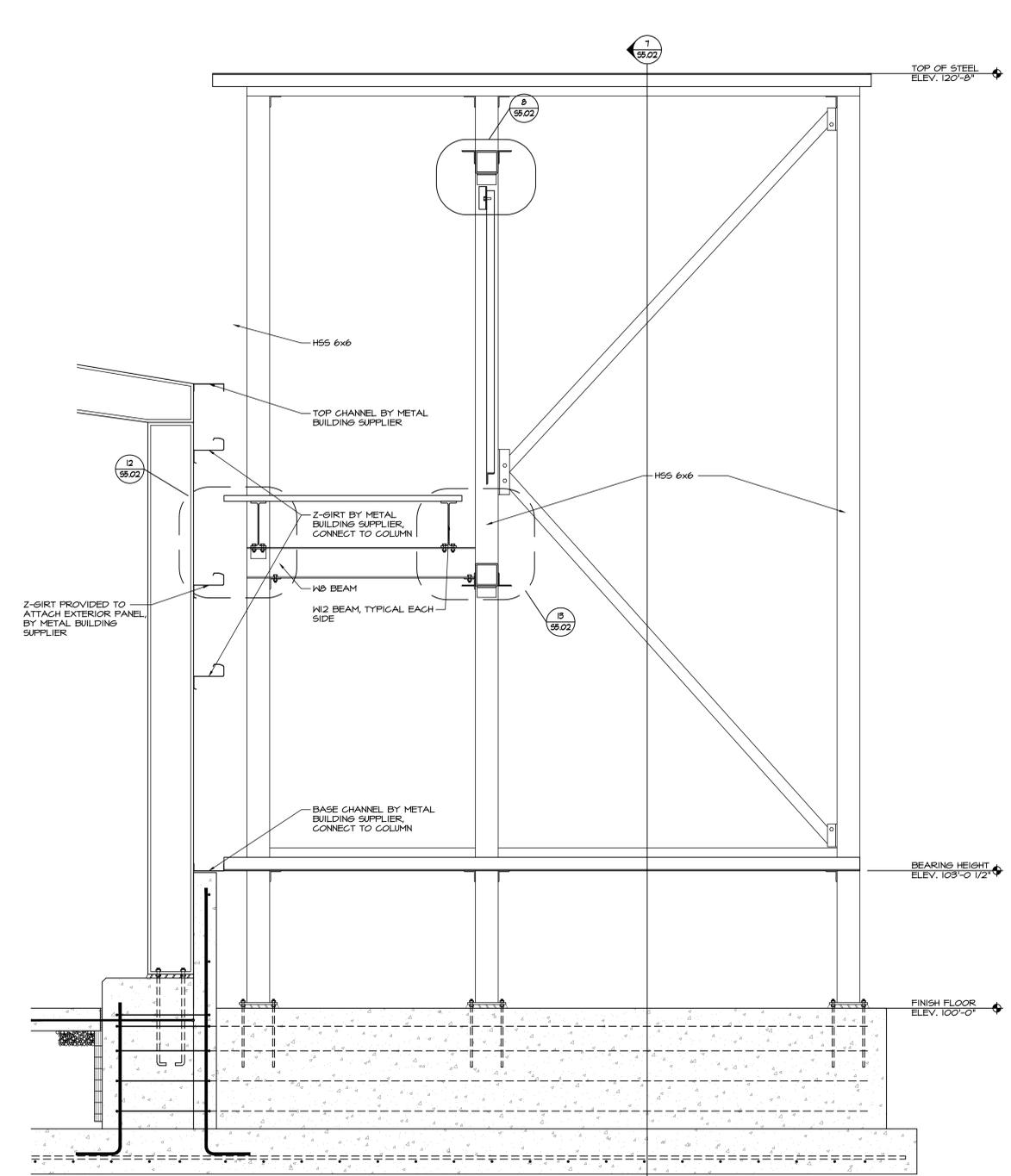
3 EXTERIOR COLUMN SECTION
 S5.02 SCALE: 3/4" = 1'-0"



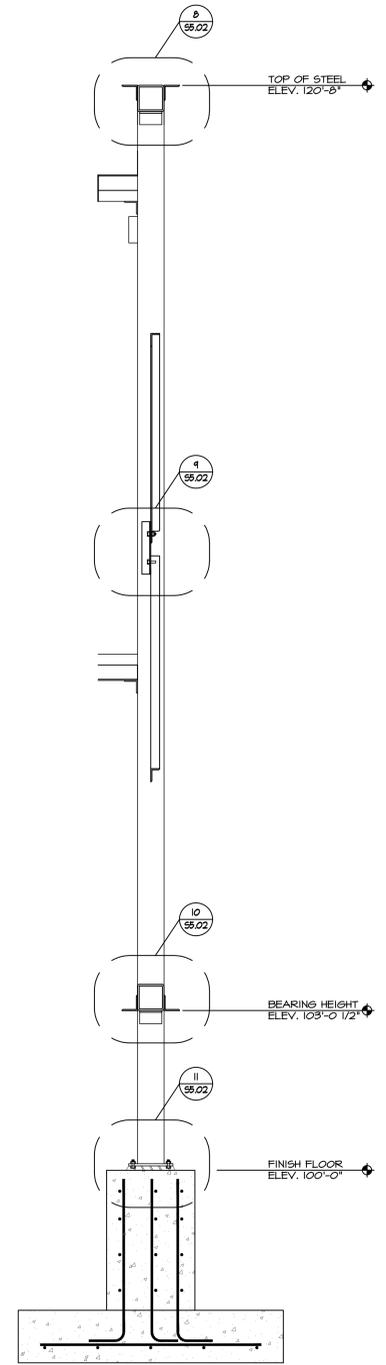
4 INTERIOR FOUNDATION WALL
 S5.02 SCALE: 3/4" = 1'-0"



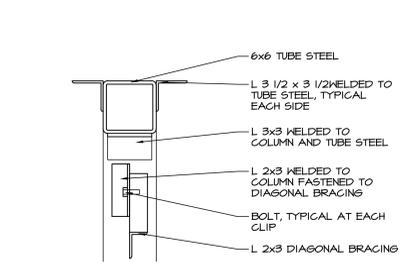
5 SHOWER DETAIL
 S5.02 SCALE: 3/4" = 1'-0"



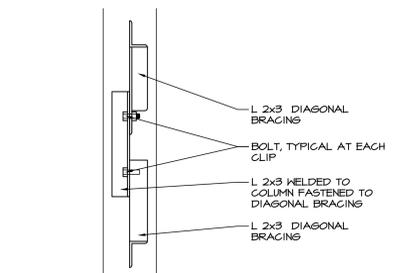
6 COLUMN ELEVATION
 S5.02 SCALE: 3/4" = 1'-0"



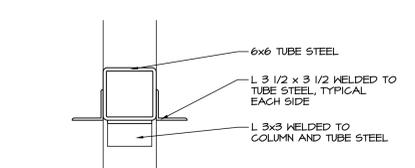
7 COLUMN SECTION
 S5.02 SCALE: 3/4" = 1'-0"



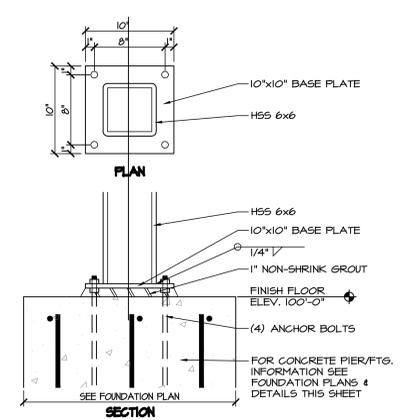
8 UPPER SECTION DETAIL
 S5.02 SCALE: 1 1/2" = 1'-0"



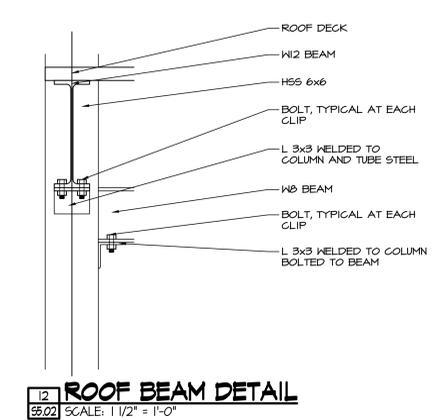
9 BRACING DETAIL
 S5.02 SCALE: 1 1/2" = 1'-0"



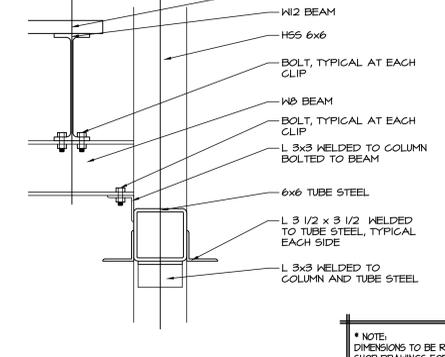
10 LOWER SECTION DETAIL
 S5.02 SCALE: 1 1/2" = 1'-0"



11 BASEPLATE DETAIL
 S5.02 SCALE: 1 1/2" = 1'-0"



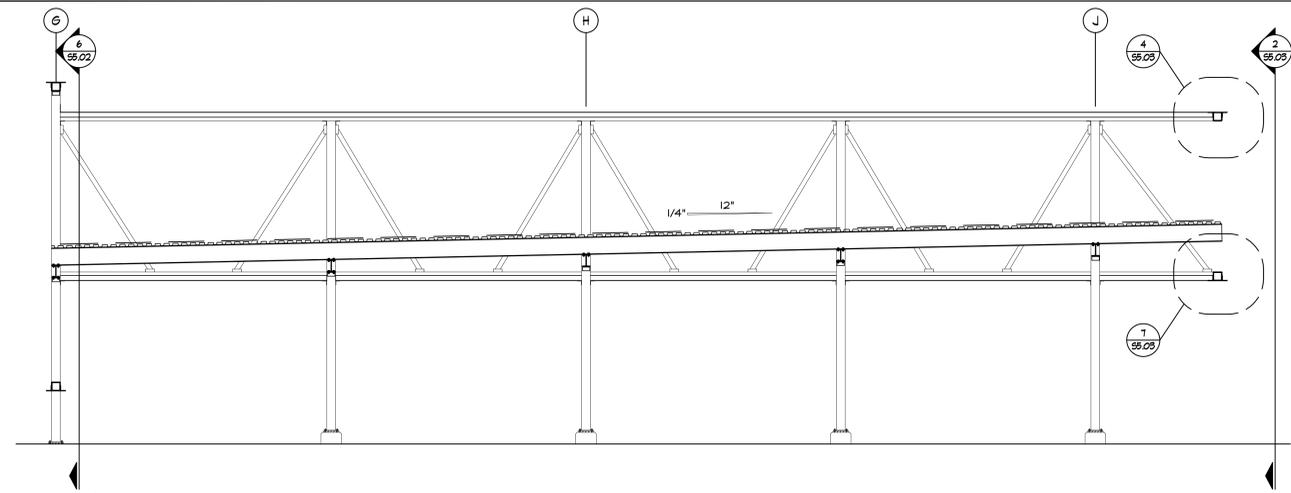
12 ROOF BEAM DETAIL
 S5.02 SCALE: 1 1/2" = 1'-0"



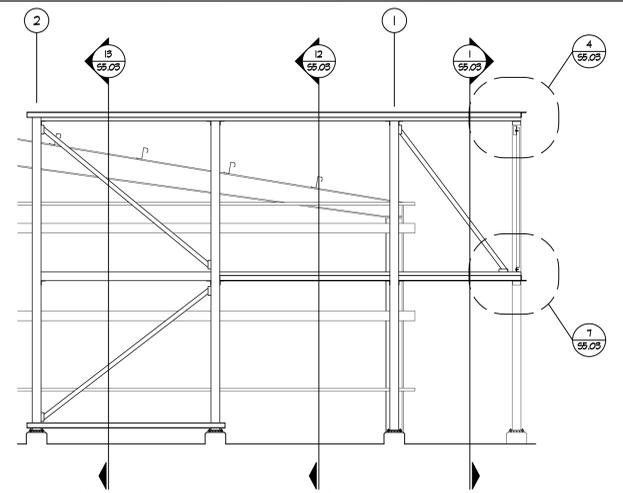
13 ROOF BEAM DETAIL
 S5.02 SCALE: 1 1/2" = 1'-0"

* NOTE: DIMENSIONS TO BE REFINED AFTER SHOP DRAWINGS FOR METAL BUILDING ARE APPROVED, TYP.

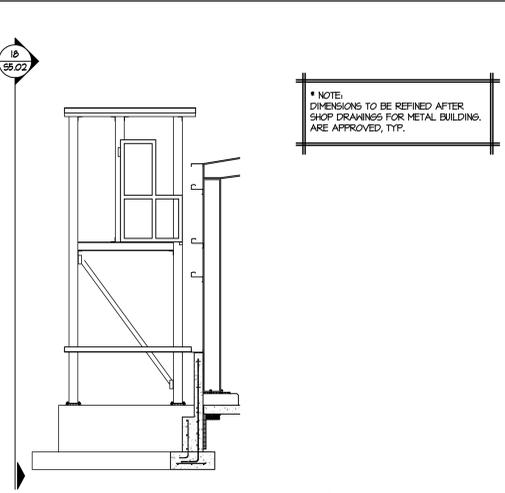
The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.



1 BEAM CONNECTION DETAIL
 S5.03 SCALE: 1/4" = 1'-0"

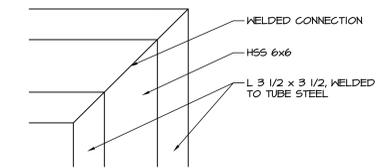


2 BEAM CONNECTION DETAIL
 S5.03 SCALE: 1/4" = 1'-0"

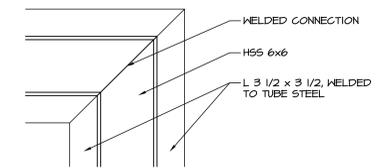


3 BEAM CONNECTION DETAIL
 S5.03 SCALE: 1/4" = 1'-0"

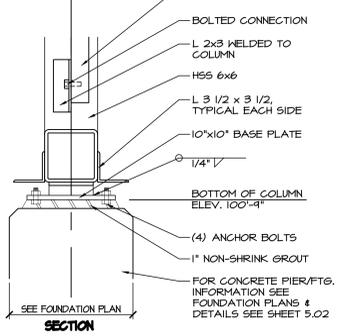
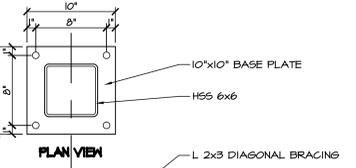
* NOTE:
 DIMENSIONS TO BE REFINED AFTER
 SHOP DRAWINGS FOR METAL BUILDING
 ARE APPROVED, TYP.



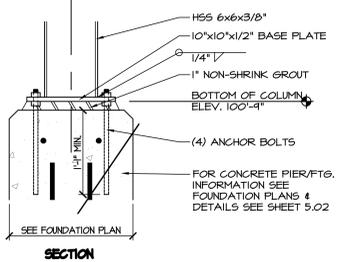
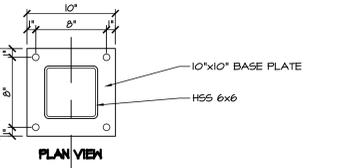
4 UPPER CORNER PLAN
 S5.03 SCALE: 1 1/2" = 1'-0"



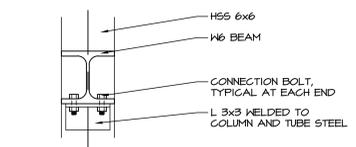
7 LOWER CORNER PLAN
 S5.03 SCALE: 1 1/2" = 1'-0"



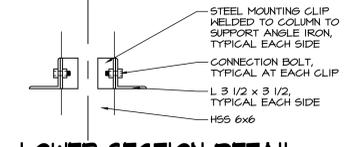
5 BASEPLATE DETAIL
 S5.03 SCALE: 1 1/2" = 1'-0"



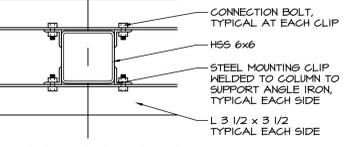
6 BASEPLATE DETAIL
 S5.03 SCALE: 1 1/2" = 1'-0"



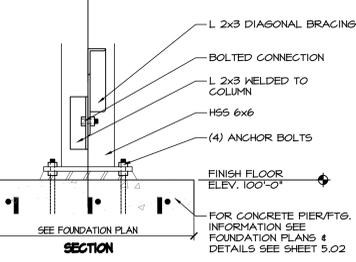
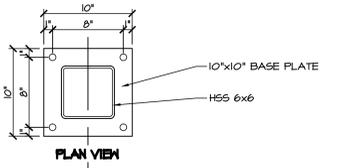
8 BEAM CONNECTION DETAIL
 S5.03 SCALE: 1 1/2" = 1'-0"



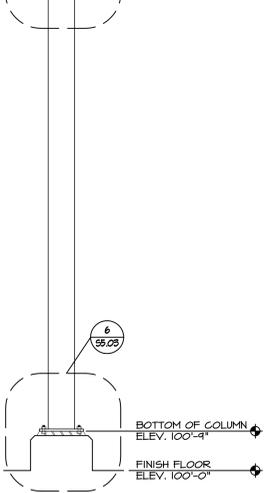
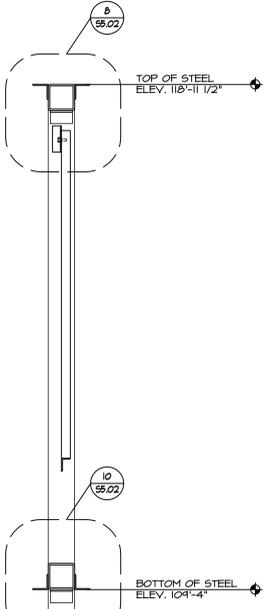
9 LOWER SECTION DETAIL
 S5.03 SCALE: 1 1/2" = 1'-0"



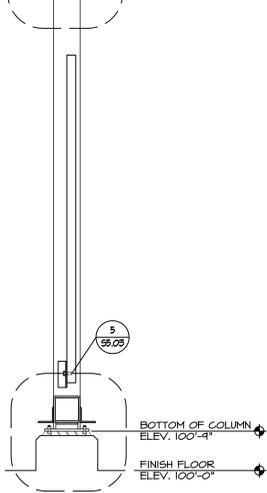
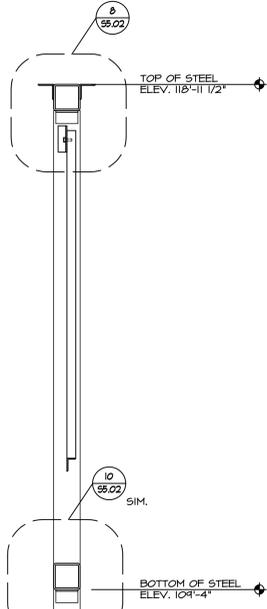
10 CONNECTION PLAN
 S5.03 SCALE: 1 1/2" = 1'-0"



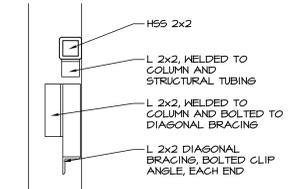
11 BASEPLATE DETAIL
 S5.03 SCALE: 1 1/2" = 1'-0"



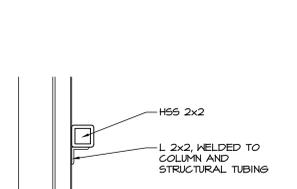
12 COLUMN SECTION
 S5.03 SCALE: 3/4" = 1'-0"



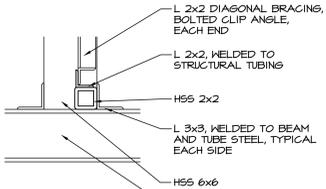
13 COLUMN SECTION
 S5.03 SCALE: 3/4" = 1'-0"



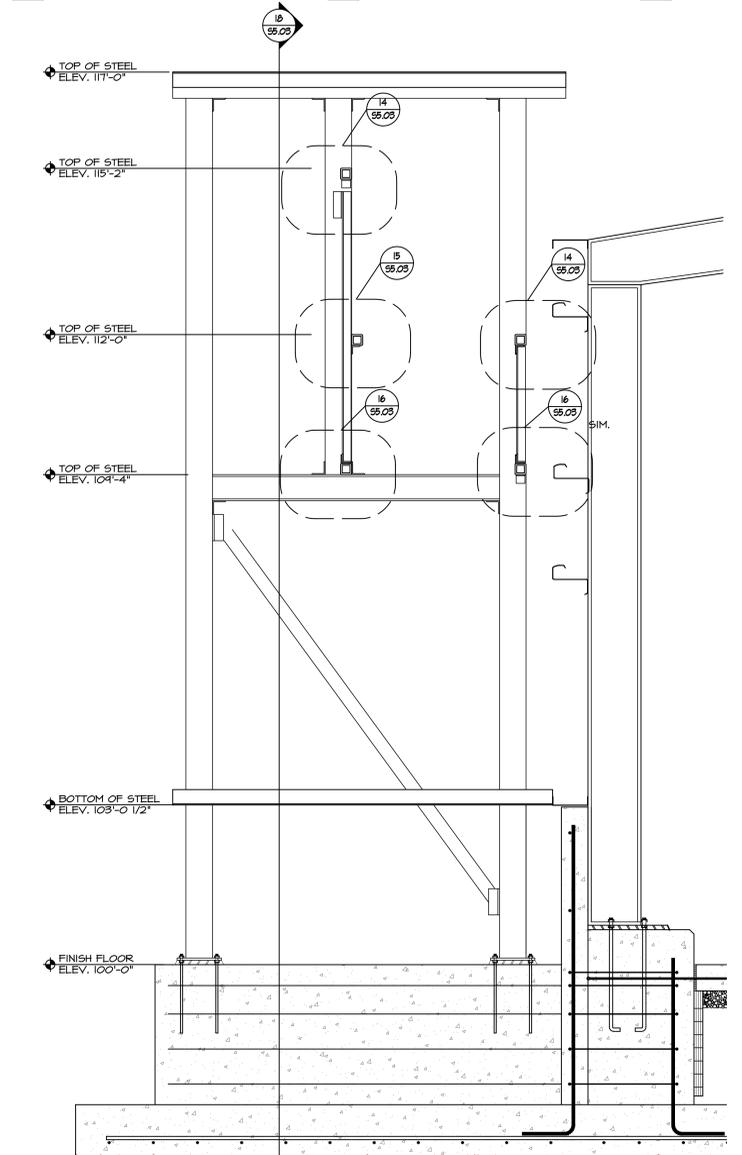
14 CANOPY DETAIL
 S5.03 SCALE: 1 1/2" = 1'-0"



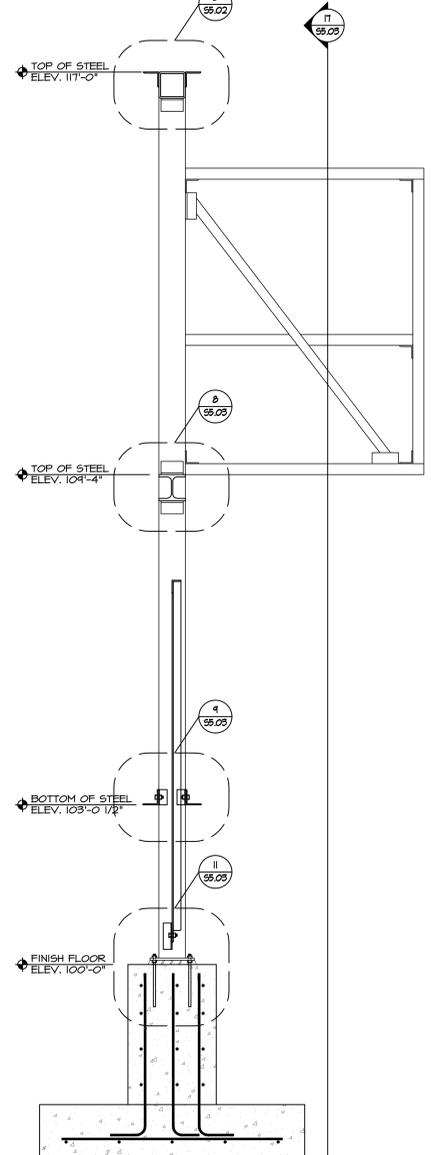
15 CANOPY DETAIL
 S5.03 SCALE: 1 1/2" = 1'-0"



16 CANOPY DETAIL
 S5.03 SCALE: 1 1/2" = 1'-0"



17 COLUMN SECTION
 S5.03 SCALE: 3/4" = 1'-0"



18 COLUMN SECTION
 S5.03 SCALE: 3/4" = 1'-0"

The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

PLAN NOTES:

- 1 SEE DETAIL 1/P1.01 FOR GAS PIPING CONNECTION AS GAS FIRED HEATING EQUIPMENT.
- 2 PLUMBING CONTRACTOR SHALL BRING 6" WATER SERVICE UP INTO THE BUILDING. SEE RISER DIAGRAM ON SHEET P1.01, AND ISOMETRIC ON SHEET P5.01.
- 3 SEE DETAIL 4/P6.01 FOR GAS PIPING CONNECTION TO HEATING EQUIPMENT.
- 4 GAS PIPING DOWN TO STOVE, SEE DETAIL 3/P6.01.
- 5 NEW GAS METER/REGULATOR BY AMEREN. PLUMBING SUB-CONTRACTOR SHALL COORDINATE WITH AMEREN. AMEREN CONTACT: QUINTON COMBS PH. (217) 234-0434.
- 6 COMPRESSED AIR PIPING SHALL BE EXPOSED. PROVIDE PIPING TO AIR COMPRESSOR (AIR COMPRESSOR SHALL BE SUPPLIED BY OWNER).
- 7 PROVIDE 1/2" COMPRESSED AIR PIPING WITH HANGERS AND BRASS QUICK CONNECT AIR SOCKET AT 48" A.F.F.

GENERAL NOTES:

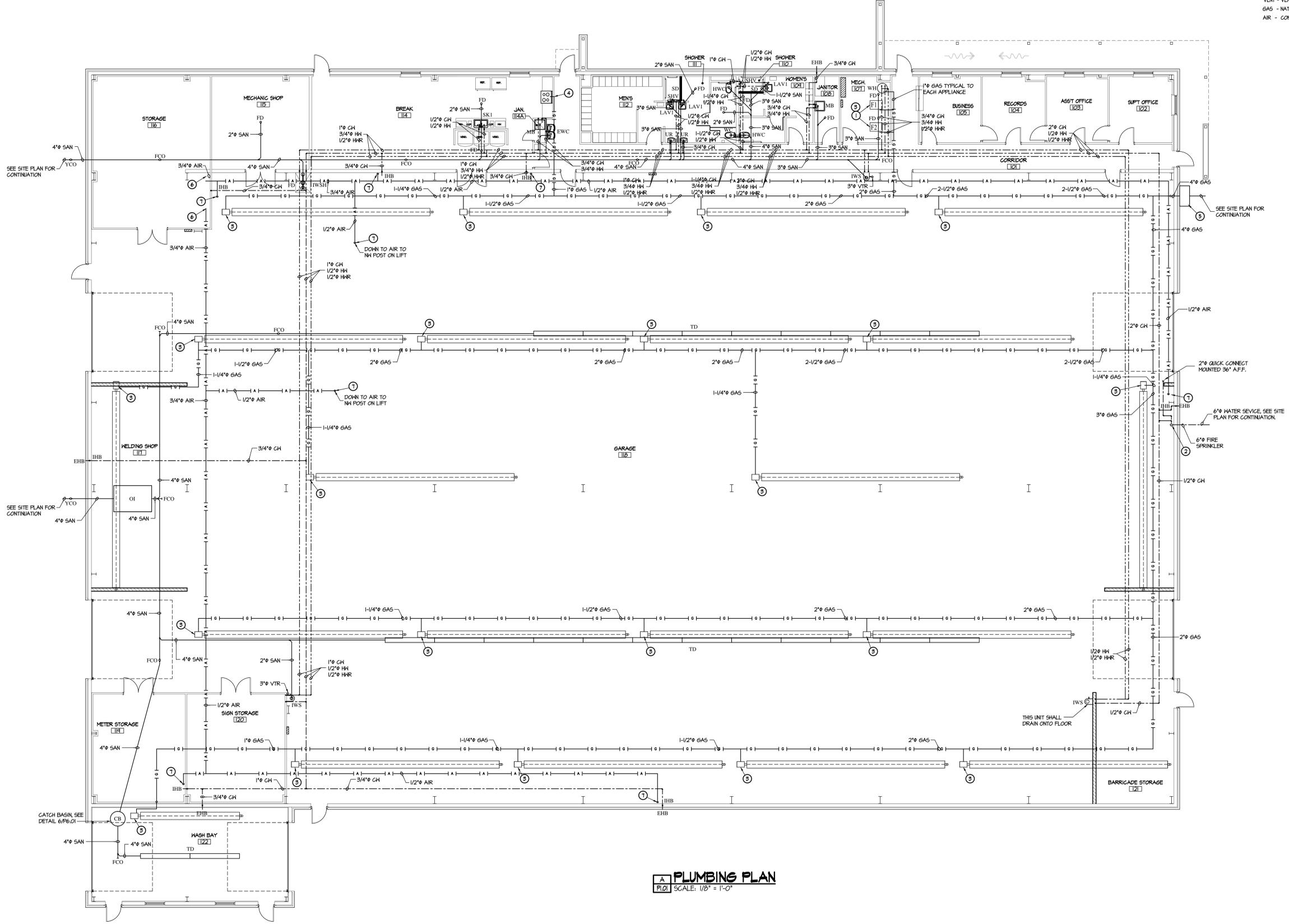
- 1) ALL HORIZONTAL SANITARY PIPING SHALL BE SLOPED AT 1/8" PER L.F. UNLESS OTHERWISE NOTED.
- 2) ALL CLEANOUTS SHALL HAVE A CLEARANCE OF 18" MINIMUM FOR ROOFCING.
- 3) REFER TO ARCHITECTURAL PLANS FOR REQUIRED HORIZONTAL DISTANCES AND FIXTURE MOUNTING HEIGHTS.
- 4) REFER TO SPECIFICATIONS SECTION 15400 FOR PLUMBING FUTURE ROUGH-IN REQUIREMENTS.
- 5) INSTALL PLUMBING PIPING IN ACCORDANCE WITH ILLINOIS PLUMBING CODE.
- 6) PROVIDE VENTING PER ILLINOIS PLUMBING CODE. NO EXPOSED VENT PIPING SHALL BE ALLOWED, EXCEPT IN JANITORS CLOSET OR ABOVE CEILING.

PIPING LEGEND:

---	DOMESTIC COLD WATER SUPPLY (CW)
---	DOMESTIC HOT WATER SUPPLY (HW)
---	HOT WATER RETURN LINE (HWR)
---	SANITARY PIPING (SAN)
---	VENT PIPING (VENT)
---	NATURAL GAS PIPING (GAS)
---	COMPRESSED AIR PIPING (AIR)

ABBREVIATIONS:

CW	- DOMESTIC COLD WATER PIPING
HW	- DOMESTIC HOT WATER PIPING
HWR	- HOT WATER RETURN PIPING
SAN	- SANITARY PIPING
VENT	- VENT PIPING
GAS	- NATURAL GAS PIPING
AIR	- COMPRESSED AIR



A PLUMBING PLAN
 P1.01 SCALE: 1/8" = 1'-0"

The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.



PLAN NOTES

- 1) PROVIDE THERMOSTATIC MIXING VALVE AT FIXTURE, SEE PLUMBING FIXTURE SCHEDULE ON SHEET P6.01.
- 2) PROVIDE 2" WATER METER WITH ORION RADIO TRANSMITTER MOUNTED THROUGH THE EXTERIOR WALL.
- 3) PROVIDE REDUCED PRESSURE ZONE VALVE ASSEMBLY SIMILAR TO MODEL 914 BY HATTIS.

GENERAL NOTES:

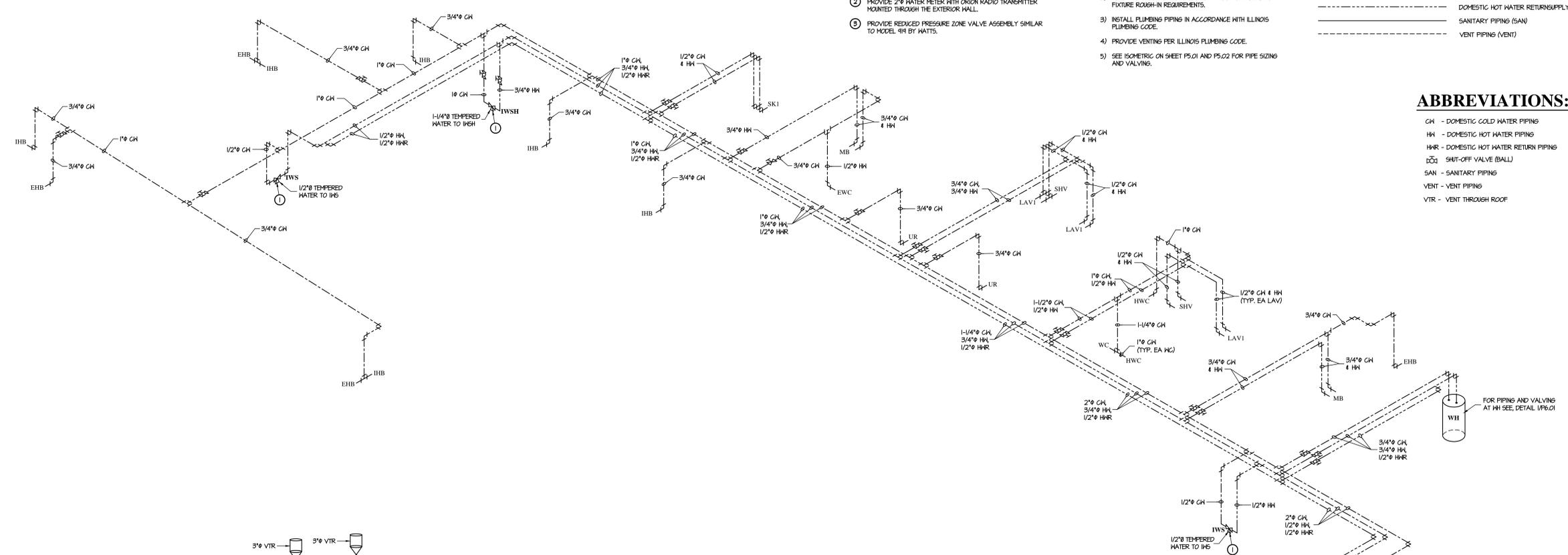
- 1) ALL HORIZONTAL SANITARY PIPING SHALL BE SLOPED AT 1/8" PER LF, UNLESS OTHERWISE NOTED.
- 2) REFER TO SPECIFICATIONS SECTION 15400 FOR PLUMBING FIXTURE ROUGH-IN REQUIREMENTS.
- 3) INSTALL PLUMBING PIPING IN ACCORDANCE WITH ILLINOIS PLUMBING CODE.
- 4) PROVIDE VENTING PER ILLINOIS PLUMBING CODE.
- 5) SEE ISOMETRIC ON SHEET P5.01 AND P5.02 FOR PIPE SIZING AND VALVING.

PIPING LEGEND

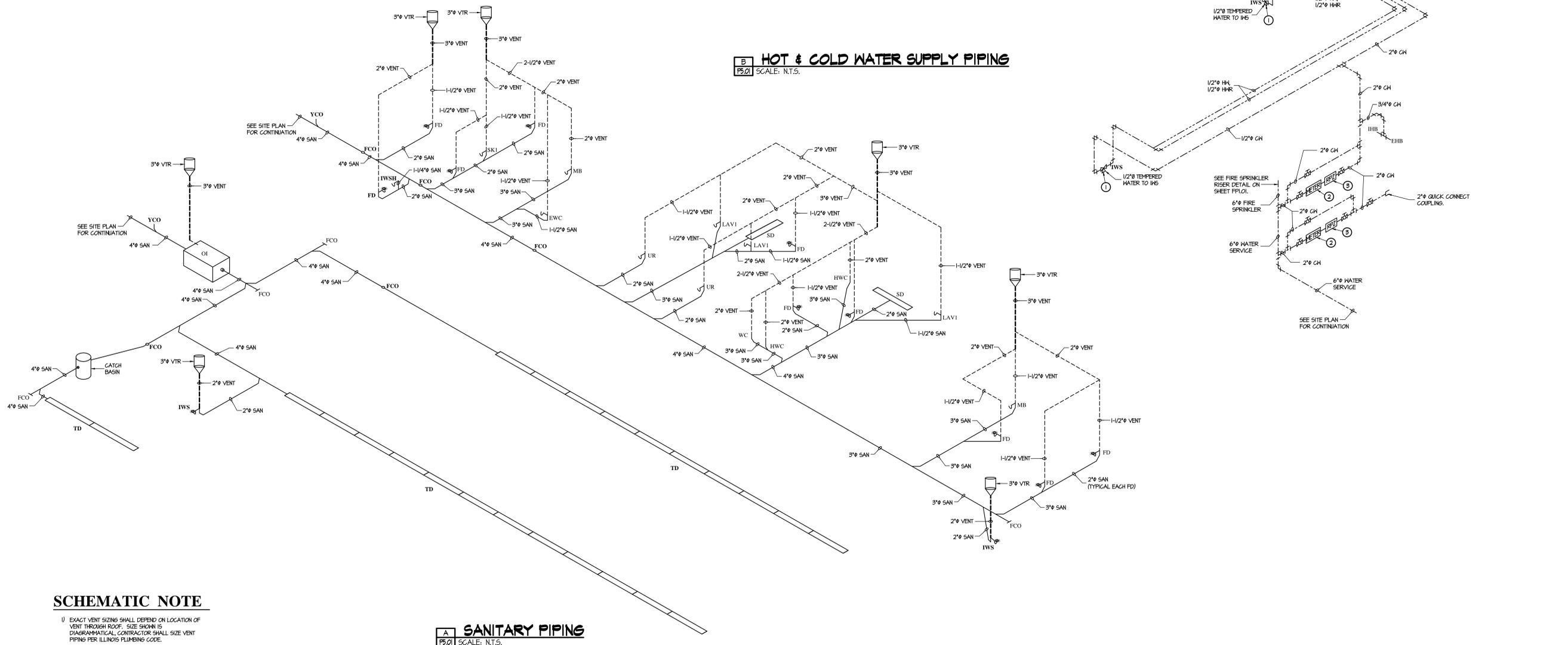
---	DOMESTIC COLD WATER SUPPLY (CW)
---	DOMESTIC HOT WATER SUPPLY (HW)
---	DOMESTIC HOT WATER RETURN SUPPLY (HWR)
---	SANITARY PIPING (SAN)
---	VENT PIPING (VENT)

ABBREVIATIONS:

CW	- DOMESTIC COLD WATER PIPING
HW	- DOMESTIC HOT WATER PIPING
HWR	- DOMESTIC HOT WATER RETURN PIPING
SV	- SHUT-OFF VALVE (BALL)
SAN	- SANITARY PIPING
VENT	- VENT PIPING
VTR	- VENT THROUGH ROOF



B HOT & COLD WATER SUPPLY PIPING
 P5.01 SCALE: N.T.S.



SCHEMATIC NOTE

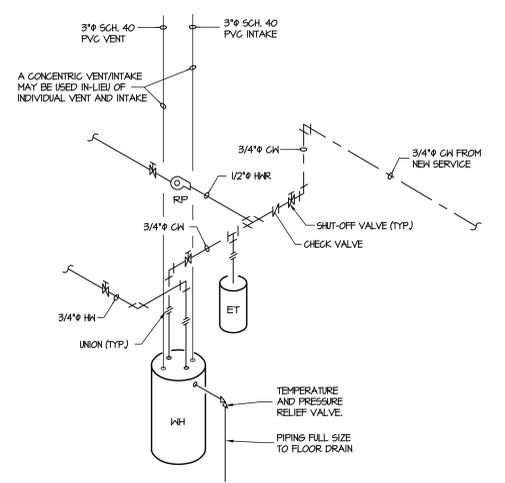
1) EXACT VENT SIZING SHALL DEPEND ON LOCATION OF VENT THROUGH ROOF. SIZE SHOWN IS DIAGNOSTICAL. CONTRACTOR SHALL SIZE VENT PIPING PER ILLINOIS PLUMBING CODE.

A SANITARY PIPING
 P5.01 SCALE: N.T.S.

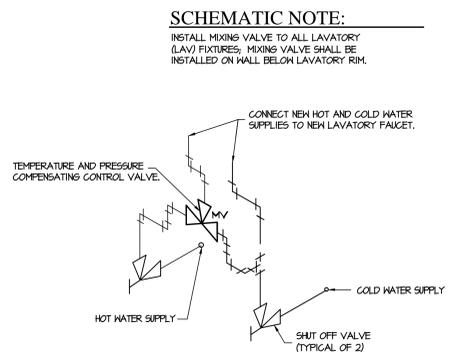
The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

PLUMBING FIXTURE SCHEDULE

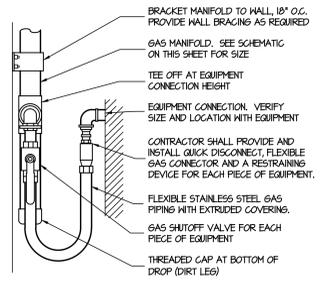
MARK	DESCRIPTION	MANUFACTURER	MOD. NO.	FITTINGS	REMARKS
HWC	HANDICAPPED H. C. FLOOR MOUNTED WITH ELONGATED FRONT, VITREOUS CHINA, 18" G.F.T. WHITE KOHLER	AMERICAN STANDARD	3043102 25660 K-4302	FLUSH VALVE SLOAN III ZURN Z6000-HSI	SEATS: BEMIS 285-C BENEKE 523PC GLSANTIE 10CG/AM
HC	WATER CLOSET, FLOOR MOUNTED WITH ELONGATED FRONT, VITREOUS CHINA, 18" G.F.T. WHITE KOHLER	AMERICAN STANDARD	2234105 25650 K-4344	FLUSH VALVE SLOAN III ZURN Z6000-HSI	SEATS: BEMIS 285-C BENEKE 523PC GLSANTIE 10CG/AM
UR	HALL HING URINAL, VITREOUS CHINA, WHITE KOHLER	AMERICAN STANDARD	6501001 25750 K-4800-ET	FLUSH VALVE SLOAN 186-1 ZURN Z6003-HSI	PROVIDE HALL HANGER
LAV	LAVATORY AND FAUCET, HALL HING, VITREOUS CHINA, WHITE, ADA COMPLIANT KOHLER	AMERICAN STANDARD	0285102 25344 K-1721	FAUCET T45 B-0810 ZURN Z-8104 CHICAGO 802A-3T1 PROVIDE MIXING VALVE; SEE MV AND DETAIL.	PROVIDE 3/8" HALL SUPPLY W/ LOOSE KEY STOP CAST BRASS 1" TRAP PROVIDE SINK STRAINER 4 2" DRAIN PROVIDE CONCEALED ARM CARRIER
MV	LAVATORY MIXING VALVE	BRADLEY POWERS LEONARD	594-4004 E480 220	INSTALL ON ALL LAV FIXTURES	PRESSURE AND TEMP. COMPENSATING, SET POINT 100°
EW	ELECTRIC WATER COOLER BI-LEVEL	ELKAY HALSEY TAYLOR	L-251TLBC HTVDBL-G A11102BF-1NF1		PROVIDE HALL HANGER
SK2	STAINLESS STEEL, TWO COMPARTMENT SINK WITH FAUCET	ELKAY	LR331 - 3 HOLE DL-283-B-GR 3-HOLE	FAUCET ELKAY LK300GR JUST JHF-201	PROVIDE 3/8" HALL SUPPLY W/ LOOSE KEY STOP, CAST BRASS 1" TRAP, PROVIDE SINK STRAINER 4 2" DRAIN
SH	COMPLETE SHOWER UNIT INCLUDING, BALANCING MIXING VALVE, SHOWER HEAD & HAND HELD SHOWER HEAD W/ HOSE	ZURN	Z101-56-LH-DVZP-HH		
SD	4" WIDE STAINLESS STEEL LINEAR SHOWER DRAIN WITH STANDARD SLOT GRATE	ZURN	Z5880-48		
BB	W/ INTEGRAL VACUUM BREAKER	MADE SMITH	8600 5508QT Z-1521-C		FREEZE PROOF AND KEYED FOR OPERATION
IB	W/ INTEGRAL VACUUM BREAKER	PIERER WOODFORD	C-155 26		
WB	W/ SERVICE BASIN 24" X 24"	MISTEE FIAT FLORESTONE	63M M6B-2424 M6R-2424	PROVIDE HOSE AND DRAIN 63600A, 65100 830-AA, 832-AA MR-311, MR-310	
TD	6" WIDE HDPE SECTIONAL TRENCH DRAIN WITH HEAVY DUTY GLASS G. GRATE	ZURN	Z886-DEG		SEE SHEET P1.01 FOR OVERALL LENGTH OF TRENCH DRAIN
FD	NICKEL BRONZE ROUND TOP FLOOR CLEANOUT	MADE SMITH ZURN	1100-5TD 2025-A 20145		
FCO	NICKEL BRONZE ROUND TOP FLOOR CLEANOUT	MADE SMITH ZURN	4051 2N-1400-T M-2550		
YCO	YARD CLEANOUT	MADE SMITH ZURN	4481 24440		
NH	50 GALLON NATURAL GAS POWER DIRECT VENT, WATER HEATER	BRADFORD WHITE A. O. SMITH	656-50 TBPDT FDX4-506FEN 6PDL-50	PROVIDE VALVES AND UNIONS AS REQUIRED (SEE HOT WATER HEATER SCHEMATIC)	PROVIDE VENT AND INTAKE PER MANUFACTURERS RECOMMENDATION
ET	5 GALLON HYDRONIC EXPANSION TANK, RATED 80 PSI	AMITROL MATTS	ST-12-G TH12 PL-T-12		PROVIDE HANGERS PER MANUFACTURERS RECOMMENDATIONS, SEE DETAIL UP.01
RP	BRONZE REGULATION PUMP 5 GPM @ 10 FT OF HEAD	BELL & HOWSETT GRUNDFOS	NRF-38 LP-43-TSDF 120V, 18		SEE DETAIL UP.01
MS	HALL MOUNTED EMERGENCY EYE WASH STATION WITH THERMOSTATIC MIXING VALVE	BRADLEY ACORN GUARDIAN	5H-2208-2000 50450-TM1 68MTP-63100		PROVIDE MOUNTING FRAME AND DRAIN WITH STRAINER
DEH	BARRIER FREE COMBINATION EYE WASH & EMERGENCY SHOWER	BRADLEY ACORN GUARDIAN	5H-308F55-5H-2100 52340-1H-45-TM2 68FH01-63800		PROVIDE THERMOSTATIC MIXING VALVE SIZED FOR COMBINATION STATION, SIMILAR TO MODEL 50000-TM2 BY ACORN
OI	STEEL OIL INTERCEPTOR WITH INTEGRAL STORAGE TANK	ROCKFORD SEPARATOR ZURN	051-9624 2186-ST SIZE 600		8 GALLON STORAGE CAPACITY (45 GALLON)



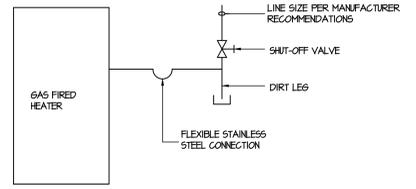
1 WATER HEATING PIPING SCHEMATIC
SCALE: N.T.S.



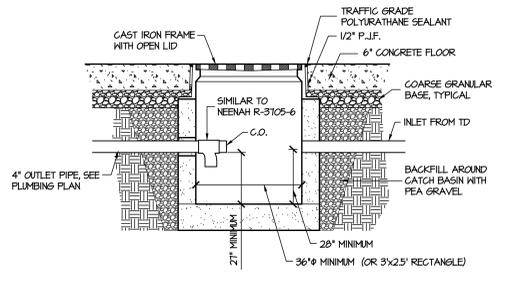
2 MIXING VALVE SCHEMATIC
SCALE: N.T.S.



3 KITCHEN EQUIPMENT GAS CONNECTION
SCALE: N.T.S.



4 GAS HEATING EQUIPMENT CONNECTION
SCALE: N.T.S.



5 CATCH BASIN DETAIL
SCALE: N.T.S.

The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

KEYED PLAN NOTES

- ① PROVIDE HALL MOUNTED FIRE DEPARTMENT CONNECTION.
- ② PROVIDE HALL MOUNTED, ELECTRICALLY OPERATED 60# @ 102" A.F.F.
- ③ PROVIDE EXTENDED RANGE COVERAGE SPRINKLER HEAD.
- ④ PROVIDE A REDUCED PRESSURE VALVE ASSEMBLY (RPZ) SIMILAR TO HATIS SERIES 904.

PLAN LEGEND

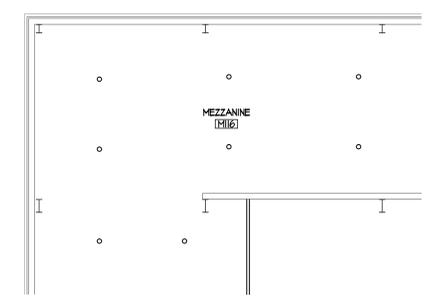
- STANDARD RECESSED PENDANT SPRINKLER HEAD
- STANDARD UPRIGHT SPRINKLER HEAD
- ▷ STANDARD SIDEWALL SPRINKLER HEAD
- ⋈ FIRE DEPARTMENT CONNECTION
- ⊕ 0, 5, 4 Y VALVE
- ∩ CHECK VALVE
- ⊕ GATE VALVE
- T TAMPER PROOF SWITCH

GENERAL NOTES

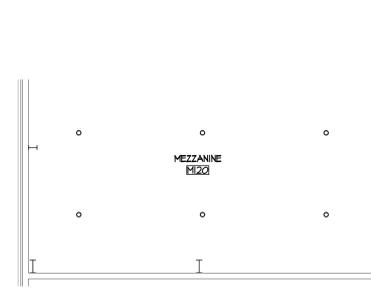
- 1) ALL FIRE PROTECTION WORK TO BE EXECUTED IN STRICT CONFORMANCE WITH NFPA 13.
- 2) COORDINATE ALL WORK WITH OTHER TRADES. SEE ARCHITECTURAL AND STRUCTURAL FOR EXACT CEILING SPACE AVAILABLE.
- 3) SPRINKLER SYSTEM SHALL BE BASED ON LIGHT HAZARD FOR ROOMS 101 THROUGH 104 AND ASSOCIATED CORRIDORS AND ORDINARY GROUP 1 HAZARD FOR ROOMS 110 THROUGH 111.
- 4) PIPING LAYOUT WITH HYDRAULIC CALCULATIONS PER NFPA 13 TO BE PROVIDED BY THE SPRINKLER CONTRACTOR TO THE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.
- 5) SPRINKLER SUB-CONTRACTOR SHALL PROVIDE SLEEVES AND FIRE STOP AROUND ALL HALL AND SLAB PIPING PENETRATIONS.
- 6) ALL SPRINKLER PIPING SHALL BE HIDDEN FROM VIEW, EXCEPT IN EXPOSED STRUCTURE LOCATIONS.
- 7) EXTENDED AREA COVERAGE SPRINKLER HEADS MAY BE UTILIZED IN AREAS THAT ARE ALLOWED BY NFPA 13.
- 8) AUXILIARY DRAINS TO BE PROVIDED AS NEEDED. AUXILIARY DRAINS SHALL BE EQUIPPED WITH 3/4" HOSE CONNECTION & A SHUT-OFF VALVE. TEST VALVES SHALL BE LOCATED ABOVE DROP CEILING.
- 9) DUCTWORK SHALL TAKE PRECEDENCE OVER SPRINKLER PIPING.
- 10) SUPPORT ALL PIPING AND EQUIPMENT FROM STRUCTURE.
- 11) INSTALL SPRINKLER HEADS IN CENTER OF TILE. HEADS SHALL BE WHITE IN LAY-IN CEILING.
- 12) SPRINKLER SUB-CONTRACTOR SHALL OBTAIN FROM MATTOON CITY WATER DEPARTMENT OR ARRANGE TO DO A FLOW TEST TO VERIFY WATER FLOW AND PRESSURE.
- 13) COORDINATE ALARM GONG, FLOW ALARM, AND TAMPER SWITCHES CONNECTION WITH FIRE ALARM CONTRACTOR.

FIRE HYDRANT TEST DATA

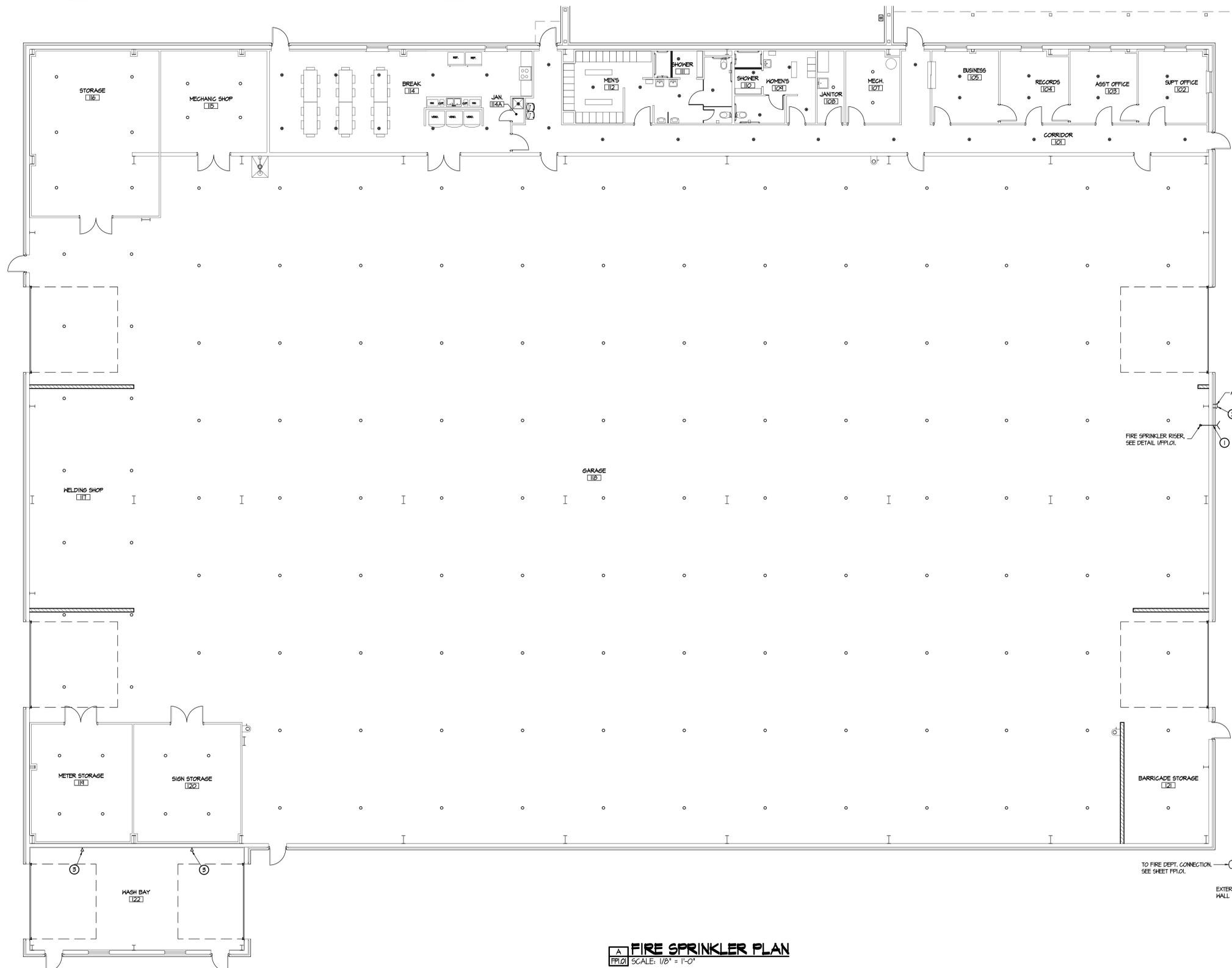
HYDRANT LOCATION: EAST OF PROPOSED BUILDING ON THE SOUTH SIDE OF DEWITT AVE. (RT 316)	
FLOW TEST DATE	6/3/2015
VOLUME*	432 GPM
STATIC PRESSURE	59 PSIG
RESIDUAL PRESSURE	30 PSIG
PIPE SIZE FEEDING HYDRANT	8"φ
HYDRANT LOCATION: WEST OF PROPOSED BUILDING ON THE SOUTH SIDE OF DEWITT AVE. (RT 316)	
FLOW TEST DATE	6/3/2015
VOLUME*	492 GPM
STATIC PRESSURE	54 PSIG
RESIDUAL PRESSURE	34 PSIG
PIPE SIZE FEEDING HYDRANT	8"φ
* FLOW THROUGH 2 1/4" MOUNTED PITOT TUBE USING AKRON FLOW CHART	



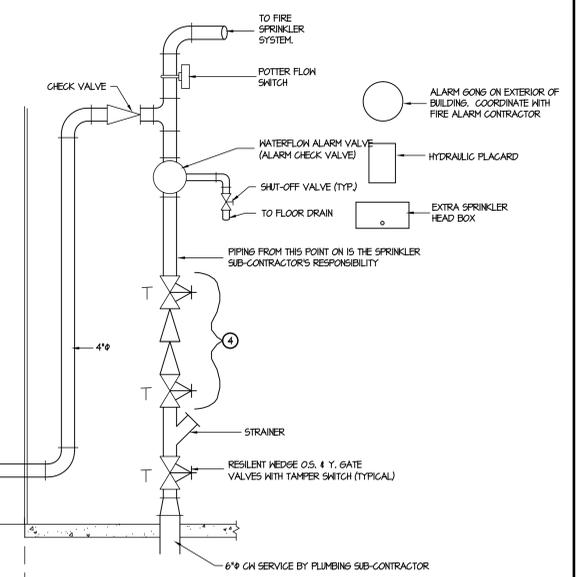
B MEZZANINE FIRE SPRINKLER PLAN ABOVE STORAGE & MECHANICAL SHOP
 FPI.01 SCALE: 1/8"=1'-0"



C MEZZANINE FIRE SPRINKLER PLAN ABOVE METER AND SIGN STORAGE
 FPI.02 SCALE: 1/8"=1'-0"



A FIRE SPRINKLER PLAN
 FPI.01 SCALE: 1/8"=1'-0"



WATER SERVICE RISER DIAGRAM
 FPI.01 SCALE: N.T.S.

The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

PLAN NOTES

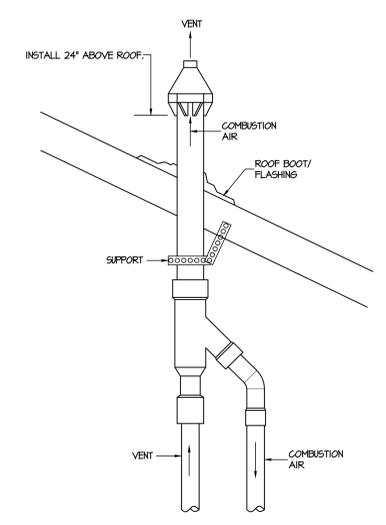
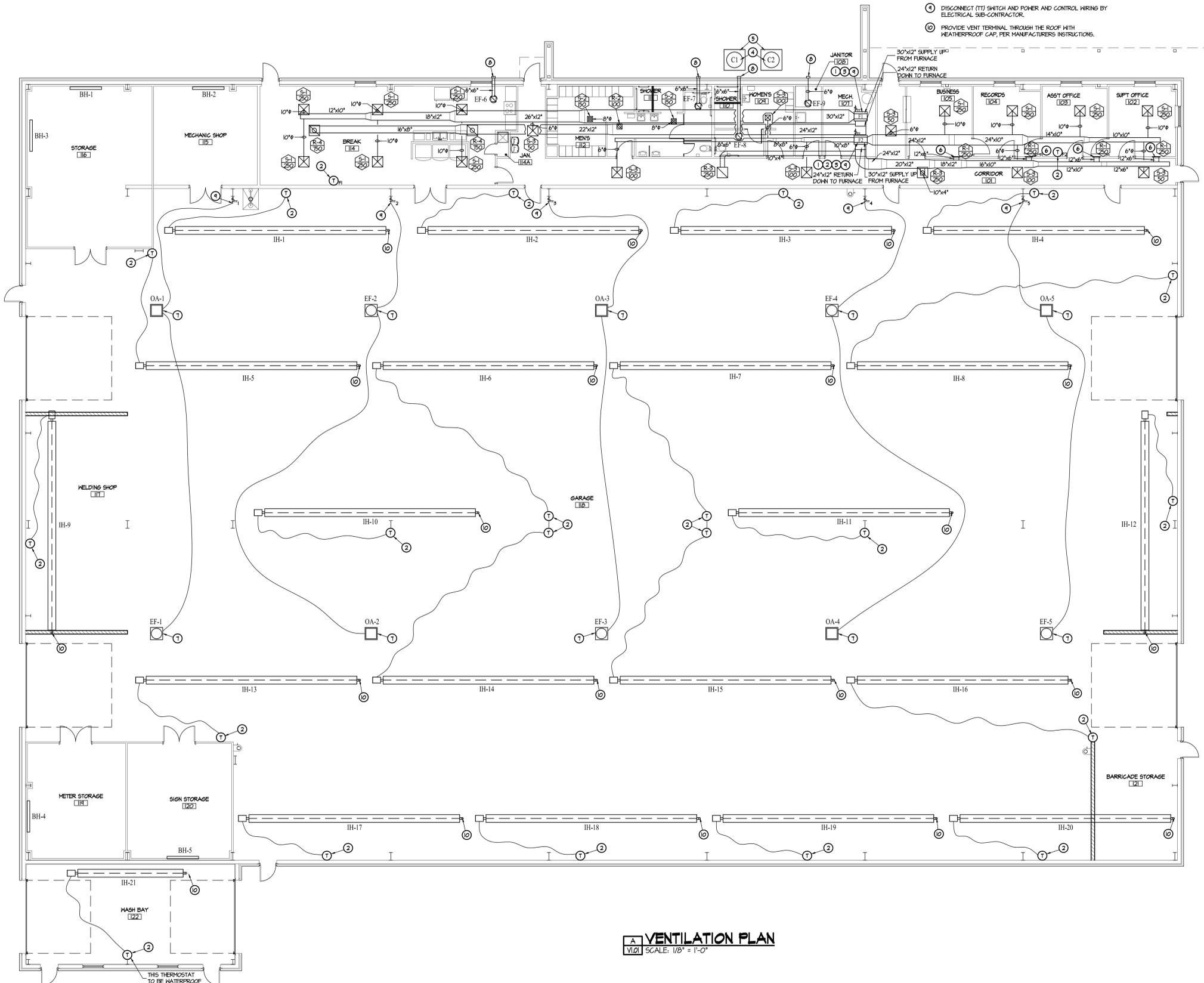
- 1) PROVIDE 3/4" PVC CONDENSATE TO FLOOR DRAIN. COORDINATE FLOOR DRAIN LOCATION WITH PLUMBING SUB-CONTRACTOR.
- 2) THERMOSTAT TO BE PROVIDED AND INSTALLED BY MECHANICAL SUB-CONTRACTOR INCLUDING LOW VOLTAGE WIRING AND CONDUIT.
- 3) PROVIDE CONCENTRIC PVC COMBUSTION AIR AND FLUE FROM NEW FURNACE THROUGH ROOF. SEAL PENETRATION WATER TIGHT, SEE DETAIL V1.01.
- 4) PROVIDE REFRIGERANT LINE FROM OUTDOOR TO INDOOR UNIT, PRE-CHARGED AND SIZED FOR 410A REFRIGERANT.
- 5) PROVIDE 4"x4"x2" CONCRETE EQUIPMENT PAD WITH WIRE MESH REINFORCEMENT FOR NEW CONDENSING UNITS.
- 6) DO NOT INSULATE STUD SPACE, UTILIZE FOR RETURN AIR CHASE. INSTALL RETURN AIR GRILLE 12" A.F.F. PAINT SPACE BEHIND DIFFUSER FLAT BLACK PRIOR TO INSTALLING RETURN GRILLE.
- 7) CUT DECK TO MATCH CURB, OA INTAKE/EF SHALL BE OPEN BELOW.
- 8) PROVIDE WEATHERPROOF ALUMINUM HOOD WITH INTEGRAL GRAVITY DAMPER AND BIRD SCREEN, PAINT TO MATCH BUILDING.
- 9) DISCONNECT (TT) SWITCH AND POWER AND CONTROL WIRING BY ELECTRICAL SUB-CONTRACTOR.
- 10) PROVIDE VENT TERMINAL THROUGH THE ROOF WITH WEATHERPROOF CAP, PER MANUFACTURERS INSTRUCTIONS.

GENERAL NOTES

- 1) ALL DIMENSIONS FOR DUCTS ARE FREE AREA (WIDTH X HEIGHT).
- 2) ALL ROOF PENETRATIONS SHALL BE MADE A MINIMUM OF 3" FROM EXTERIOR WALLS.
- 3) VENTILATION SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING WALL OPENINGS & SEALING WALL OPENINGS REQUIRED FOR DUCTWORK, COORDINATE WITH G.C.
- 4) PROVIDE TRANSITIONS AS NECESSARY AT GRILLES, REGISTERS AND DIFFUSERS.

PLAN LEGEND

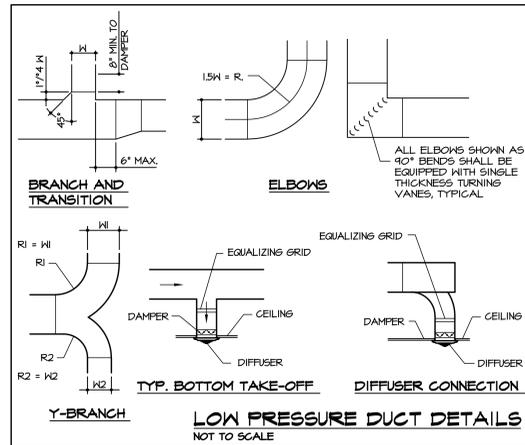
- ⊙ THERMOSTAT MOUNTED AT 48" A.F.F., SEE PROJECT MANUAL.
- ⊕TT MANUAL MOTOR STARTER (TT SWITCH) @ 48" A.F.F.
- ⊕ GRILLE OR DIFFUSER
60 C.F.M. REQUIRED
- DUCTWORK SIZE AS SHOWN
- ⊕ SUPPLY AIR DIFFUSER
- ⊕ RETURN AIR GRILLE
- ROUND DUCTWORK
- BALANCING DAMPER
- ⊕ FLEX DUCT MAXIMUM 5' LENGTH
- ⊕ RAT - RETURN AIR TRANSFER SEE DETAIL ON SHEET M6.01



CONCENTRIC VENT ROOF DETAIL
 V1.01 SCALE: 3/4" = 1'-0"

VENTILATION PLAN
 V1.01 SCALE: 1/8" = 1'-0"

The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.



CONDENSING UNIT SCHEDULE

MARK	CAPACITY	MANUFACTURER	MODEL #
C1	5 - TON	CARRIER	24ABB3
		LENNOX	ISAGX
		TRANE	XB300
C2	4 - TON	CARRIER	24ABB3
		LENNOX	ISAGX
		TRANE	XB300

NOTE:
PROVIDE - CASED A-COIL MATED TO FURNACE & CONDENSING UNIT COMBINATION
NEW UNIT SHALL BE IS 5.E.E.R. TYPE W/ R410A REFRIGERANT, 208V 1Ø.

CONDENSING LINE SIZING:
SIZE CONDENSOR LIQUID & VAPOR PIPING PER MANUFACTURERS RECOMMENDATIONS FOR UNIT SELECTED.
SEAL ALL WALL PENETRATIONS WATERTIGHT.

FURNACE SCHEDULE

MARK	HEATING OUTPUT/MIN.	CFM	MANUFACTURER *	MODEL #
F1	100,000 BTUHR	1900 @ 0.5 ESP	CARRIER	545C2
			LENNOX	ML1B3
			TRANE	XB90
F2	80,000 BTUHR	1500 @ 0.5 ESP	CARRIER	545C2
			LENNOX	ML1B3
			TRANE	XB90

100% GAS FIRED, POWER VENTED CONDENSING UP-FLOW FURNACE
PROVIDE A CONCENTRIC VENT/CA TERMINATION FOR NEW FURNACE, 120V, 1Ø CONTROLS, 7-DAY PROGRAMMABLE THERMOSTAT WITH FAN AUTO/OFF HEAT/COOL

INFRARED HEATING UNITS

MARK	BTUHR MIN.	LENGTH	VOLTAGE	MANUFACTURER	MODEL #
IH-1	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-2	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-3	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-4	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-5	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-6	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-7	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-8	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-9	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-10	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-11	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-12	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-13	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-14	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-15	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-16	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-17	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-18	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-19	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-20	100,000	40'	120V/1Ø/60Hz	ROBERTS GORDON	CTH2-100
				RE-VERBER-RAY	DX3-40-100
				SCHMANK	5T5-IJ-110-40
IH-21	45,000	20'	120V/1Ø/60Hz	ROBERTS GORDON	HE-60
				RE-VERBER-RAY	DX3-55-20-50
				SCHMANK	5T4-IJ-45-20

W/ 45° POLISHED REFLECTOR
PROVIDE ALL HANGERS AND SUPPORTS AS REQUIRED.
PROVIDE PROGRAMMABLE THERMOSTAT W/ 40°-80°F RANGE
MAINTAIN MANUFACTURERS RECOMMENDED CLEARANCES.

EXHAUST FAN SCHEDULE

MARK	AREA(S) SERVED	PURPOSE	MANUFACTURER *	MODEL NUMBER	CFM	ESP	MOTOR DATA				REMARKS
							WATTS	ELECTRICAL	STARTER	CONTROL	
EF-1	GARAGE (108)	REMOVE EXHAUST	COOK	225CB	4,000	0.25	1,200	120V 1 PHASE 60 Hz	T.T SWITCH	LOCAL SWITCH	PROVIDE MOTORIZED DAMPER, INSULATED CURB, BIRDSCREEN, AND INTEGRAL DISCONNECT
			GREENHECK	6B-220							
			PENNBARRY	DX24B							
EF-2	GARAGE (108)	REMOVE EXHAUST	COOK	225CB	4,000	0.25	1,200	120V 1 PHASE 60 Hz	T.T SWITCH	LOCAL SWITCH	PROVIDE MOTORIZED DAMPER, INSULATED CURB, BIRDSCREEN, AND INTEGRAL DISCONNECT
			GREENHECK	6B-220							
			PENNBARRY	DX24B							
EF-3	GARAGE (108)	REMOVE EXHAUST	COOK	225CB	4,000	0.25	1,200	120V 1 PHASE 60 Hz	T.T SWITCH	LOCAL SWITCH	PROVIDE MOTORIZED DAMPER, INSULATED CURB, BIRDSCREEN, AND INTEGRAL DISCONNECT
			GREENHECK	6B-220							
			PENNBARRY	DX24B							
EF-4	GARAGE (108)	REMOVE EXHAUST	COOK	225CB	4,000	0.25	1,200	120V 1 PHASE 60 Hz	T.T SWITCH	LOCAL SWITCH	PROVIDE MOTORIZED DAMPER, INSULATED CURB, BIRDSCREEN, AND INTEGRAL DISCONNECT
			GREENHECK	6B-220							
			PENNBARRY	DX24B							
EF-5	GARAGE (108)	REMOVE EXHAUST	COOK	225CB	4,000	0.25	1,200	120V 1 PHASE 60 Hz	T.T SWITCH	LOCAL SWITCH	PROVIDE MOTORIZED DAMPER, INSULATED CURB, BIRDSCREEN, AND INTEGRAL DISCONNECT
			GREENHECK	6B-220							
			PENNBARRY	DX24B							
EF-6	BREAK ROOM (114)	REMOVE ODORS	COOK	6C-140	100	0.25	53	120V 1 PHASE 60 Hz	INTEGRAL	THROUGH LIGHTING CIRCUIT	PROVIDE HALL CAP WITH DAMPER AND BIRDSCREEN PAINT TO MATCH HALL
			GREENHECK	5P-A125							
			COOK	5P-A125							
EF-7	MENS TOILET (112)	REMOVE ODORS	COOK	6C-140	300	0.25	185	120V 1 PHASE 60 Hz	INTEGRAL	THROUGH LIGHTING CIRCUIT	PROVIDE HALL CAP WITH DAMPER AND BIRDSCREEN PAINT TO MATCH HALL
			GREENHECK	5P-A125							
			COOK	5P-A125							
EF-8	WOMENS TOILET (104)	REMOVE ODORS	COOK	6C-140	100	0.25	53	120V 1 PHASE 60 Hz	INTEGRAL	THROUGH LIGHTING CIRCUIT	PROVIDE HALL CAP WITH DAMPER AND BIRDSCREEN PAINT TO MATCH HALL
			GREENHECK	5P-A125							
			COOK	5P-A125							
EF-9	JANITORS CLOSET (108)	REMOVE ODORS	COOK	6C-120	50	0.25	30	120V 1 PHASE 60 Hz	INTEGRAL	SHALL RUN CONTINUOUSLY	PROVIDE HALL CAP WITH DAMPER AND BIRDSCREEN PAINT TO MATCH HALL
			GREENHECK	5P-A125							
			COOK	5P-A125							

GRILLES, REGISTERS AND DIFFUSER SCHEDULE

MARK	MANUFACTURER *	MODEL NUMBER	FUNCTION			MODULE SIZE	NECK SIZE	REMARKS
			SA	RA	EA			
S-1	CARNES	SEFA(N)S(X)TA	●			10"x10"	10"	FLUSH FACE, ALUMINUM LAY-IN CEILING PROVIDE FILLER PANEL
	KRUEGER	55HR						
	PRICE	ASND/SR						
S-2	CARNES	SEFA(N)S(X)TA	●			15"x15"	8"	FLUSH FACE, ALUMINUM SURFACE MOUNT HARD CEILING
	KRUEGER	55HR						
	PRICE	ASND/SR						
S-3	CARNES	SEFA(N)S(X)TA	●			15"x15"	6"	FLUSH FACE, ALUMINUM LAY-IN CEILING PROVIDE FILLER PANEL
	KRUEGER	55HR						
	PRICE	ASND/SR						
R-1	CARNES	RAAA	●			14"x6"	N/A	STEEL, SINGLE DEFLECTION 3/4" SPACING, DUCT MOUNTED
	KRUEGER	55BO						
	PRICE	630						
R-2	CARNES	RAPAF	●			6"x6"	N/A	1/2"x1/2"x1/2" EGG GRATE SURFACE MOUNT HARD CEILING
	KRUEGER	EGC5						
	PRICE	20						
R-3	CARNES	RAPAF	●			8"x8"	N/A	1/2"x1/2"x1/2" EGG GRATE LAY-IN CEILING PROVIDE FILLER PANEL
	KRUEGER	EGC5						
	PRICE	20						
R-4	CARNES	RAPAF	●			16"x16"	N/A	1/2"x1/2"x1/2" EGG GRATE LAY-IN CEILING PROVIDE FILLER PANEL
	KRUEGER	EGC5						
	PRICE	20						

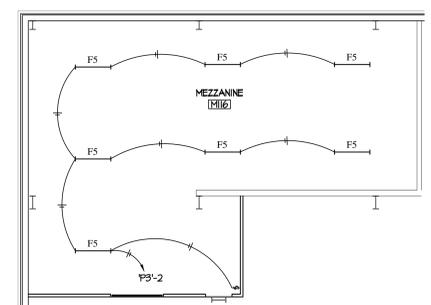
1. ALL GRILLES, REGISTERS AND DIFFUSERS SHALL HAVE A BAKED ENAMEL FINISH, WHITE
2. REFER TO H.V.A.C. FLOOR PLAN FOR THROAT SIZES AND AIR QUANTITIES (CFM).
3. PROVIDE TRANSITIONS AS REQUIRED OR NECESSARY

FRESH AIR INTAKE SCHEDULE

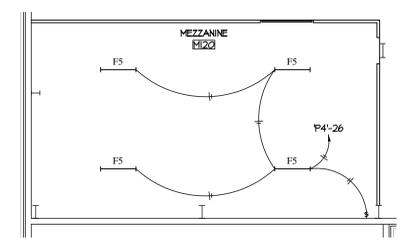
MARK	AREA(S) SERVED	PURPOSE	MANUFACTURER	MODEL NUMBER	CFM	THROAT VELOCITY	THROAT SIZE	PD	ACCESSORIES
OA-1	GARAGE (108)	INTAKE AIR	COOK	TRE	4,000	500 fpm	36" x 48"	0.055" MAX	BIRDSCREEN AND INSULATED CURB AND MOTORIZED DAMPER INTERLOCKED TO EF-1
			GREENHECK	WRH					
			PENNBARRY	PENHOUSE					
OA-2	GARAGE (108)	INTAKE AIR	COOK	TRE	4,000	500 fpm	36" x 48"	0.055" MAX	BIRDSCREEN AND INSULATED CURB AND MOTORIZED DAMPER INTERLOCKED TO EF-2
			GREENHECK	WRH					
			PENNBARRY	PENHOUSE					
OA-3	GARAGE (108)	INTAKE AIR	COOK	TRE	4,000	500 fpm	36" x 48"	0.055" MAX	BIRDSCREEN AND INSULATED CURB AND MOTORIZED DAMPER INTERLOCKED TO EF-3
			GREENHECK	WRH					
			PENNBARRY	PENHOUSE					
OA-4	GARAGE (108)	INTAKE AIR	COOK	TRE	4,000	500 fpm	36" x 48"	0.055" MAX	BIRDSCREEN AND INSULATED CURB AND MOTORIZED DAMPER INTERLOCKED TO EF-4
			GREENHECK	WRH					
			PENNBARRY	PENHOUSE					
OA-5	GARAGE (108)	INTAKE AIR	COOK	TRE	4,000	500 fpm	36" x 48"	0.055" MAX	BIRDSCREEN AND INSULATED CURB AND MOTORIZED DAMPER INTERLOCKED TO EF-5
			GREENHECK	WRH					
			PENNBARRY	PENHOUSE					

BASEBOARD HEATER SCHEDULE

SYMBOL	AREAS SERVED	MANUFACTURER	MODEL #	LENGTH	WATTS PER FT	TOTAL WATTS	VOLTAGE	REMARKS
BH-1	STORAGE (116)	BERKO	CB0150B	6 ft.	250	1,500	208, 1Ø	PROVIDE INTEGRAL THERMOSTAT AND DISCONNECT, AND TRANSFORMER FOR CONTROLS
		BRASCH	BT2-1500B					
		Q-MARK	CB0150B					
BH-2	MECHANIC SHOP (115)	BERKO	CB0150B	6 ft.	250	1,500	208, 1Ø	PROVIDE INTEGRAL THERMOSTAT AND DISCONNECT, AND TRANSFORMER FOR CONTROLS
		BRASCH	BT2-1500B					
		Q-MARK	CB0150B					
BH-3	STORAGE (116)	BERKO	CB0150B	6 ft.	250	1,500	208, 1Ø	PROVIDE INTEGRAL THERMOSTAT AND DISCONNECT, AND TRANSFORMER FOR CONTROLS
		BRASCH	BT2-1500B					
		Q-MARK	CB0150B					
BH-4	METER STORAGE (114)	BERKO	CB0150B	6 ft.	250	1,500	208, 1Ø	PROVIDE INTEGRAL THERMOSTAT AND DISCONNECT, AND TRANSFORMER FOR CONTROLS
		BRASCH	BT2-1500B					
		Q-MARK	CB0150B					
BH-5	SIGN STORAGE (120)	BERKO	CB0150B	6 ft.	250	1,500	208, 1Ø	PROVIDE INTEGRAL THERMOSTAT AND DISCONNECT, AND TRANSFORMER FOR CONTROLS
		BRASCH	BT2-1500B					
		Q-MARK	CB0150B					



B MEZZANINE LIGHTING PLAN ABOVE STORAGE & MECHANICAL SHOP
 A1.02 SCALE: 1/8"=1'-0"



C MEZZANINE LIGHTING PLAN ABOVE METER AND SIGN STORAGE
 A1.02 SCALE: 1/8"=1'-0"

PLAN NOTES

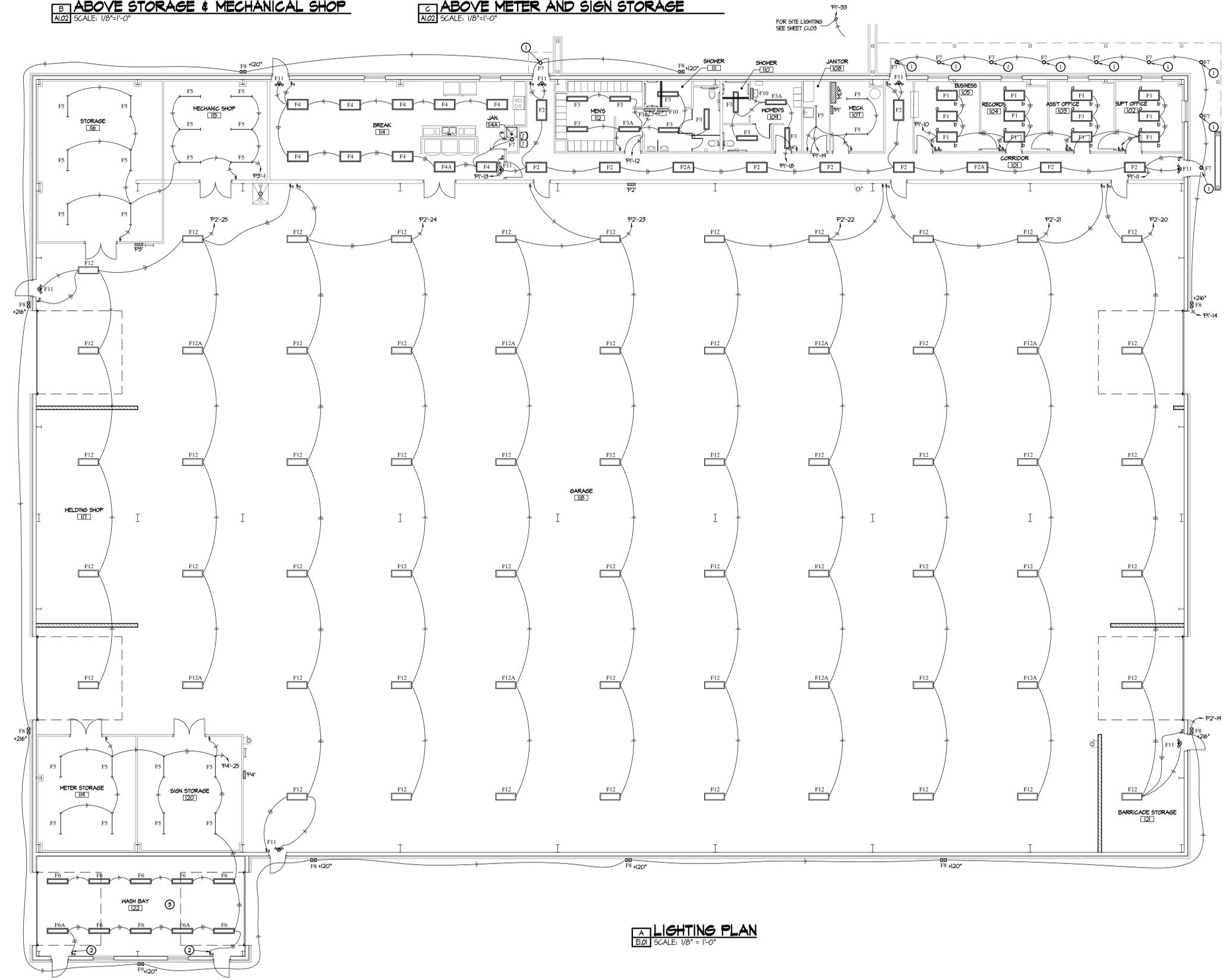
- 1) F1 DOWN LIGHT(S) SHALL OPERATE VIA THE PHOTOCELL IN THE F8 FIXTURE IN THE SAME CIRCUIT.
- 2) LIGHT SWITCH SHALL BE IN A NEMA 3R ENCLOSURE.
- 3) ANY EXPOSED CONDUIT IN WASH BAY SHALL BE WATERTIGHT.

GENERAL NOTES

- 1) ALL WORK SHALL BE IN CONFORMANCE WITH NEC2014 AND ALL LOCAL APPLICABLE CODES.
- 2) INSTALL ALL EQUIPMENT PER MANUFACTURERS RECOMMENDATIONS.
- 3) INSTALL ALL LIGHTING IN AREAS WITH EXPOSED STRUCTURE FROM AIRCRAFT CABLING CONNECTED TO STRUCTURE. DO NOT HANG FROM CONDUIT. MOUNT FIXTURES APPROXIMATELY 3 FEET BELOW THE ROOF DECK.

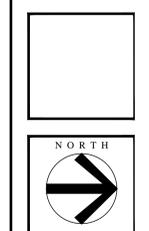
PLAN LEGEND

- WIRING CONCEALED IN RACEWAY OR CONDUIT LOCATED IN HALL OR CEILING. EQUIPMENT GROUND TO BE INCLUDED FOR EACH CIRCUIT.
- SINGLE POLE SWITCH MTD. W/ BOTTOM 44" AFF. UNLESS OTHERWISE NOTED.
- 3 WAY SWITCH
- 2 x 4' FLUORESCENT TROFFER
- RECESSED DOWNLIGHT
- COMBINATION EXIT/EMERGENCY LIGHT
- 4' STRIP FIXTURE
- NL FIXTURE TO BE ON NIGHT LIGHT CIRCUIT
- EXTERIOR FIXTURE



A LIGHTING PLAN
 E1.01 SCALE: 1/8"=1'-0"

The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.



GENERAL NOTES

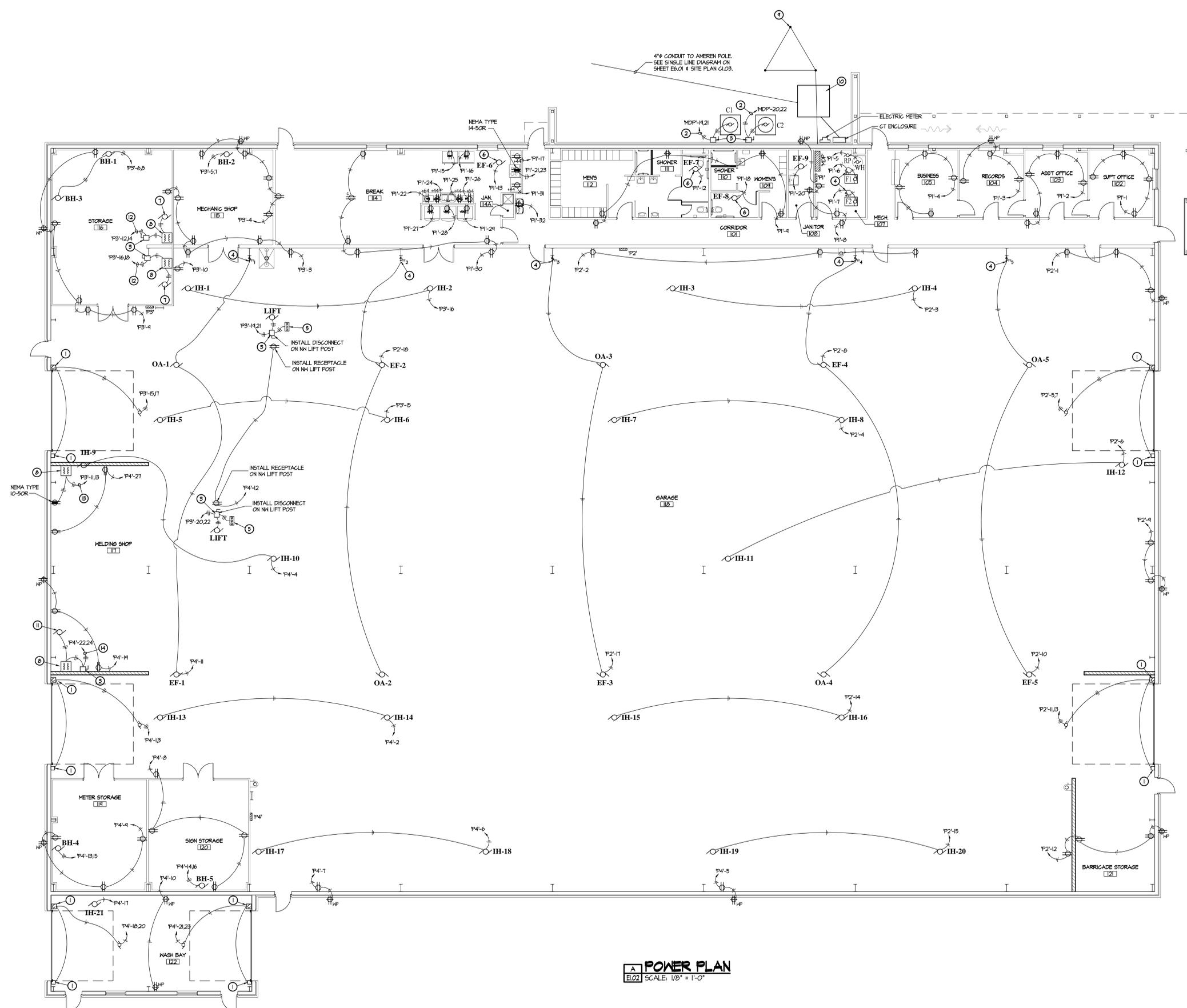
- 1) ALL WORK SHALL BE IN CONFORMANCE WITH NEC2014 AND ALL LOCAL APPLICABLE CODES.
- 2) INSTALL ALL EQUIPMENT PER MANUFACTURERS RECOMMENDATIONS.

PLAN LEGEND

- WIRING CONCEALED IN RACEWAY OR CONDUIT LOCATED IN HALL OR CEILING. EQUIPMENT GROUND TO BE INCLUDED FOR EACH CIRCUIT
- 120V, 20 AMP DUPLEX RECEPTACLE W/ BOTTOM MOUNTED 16" A.F.F. UNLESS OTHERWISE NOTED
- 120V, 20 AMP QUADPLEX RECEPTACLE W/ BOTTOM MOUNTED 16" A.F.F. UNLESS OTHERWISE NOTED
- 6/F.C.I. TYPE 120V. DUPLEX RECEPTACLE
- ELECTRICAL PANEL W/ DESIGNATION
- ELECTRIC MOTOR
- MANUAL MOTOR STARTER (TT SWITCH) @ 44" A.F.F. '3' DESIGNATES 3-POLE
- SAFETY SWITCH SIZED AS NOTED
- 208V-240V RECEPTACLE, NEMA TYPE W/ BOTTOM MOUNTED 16" A.F.F. UNLESS OTHERWISE NOTED
- 120V DUPLEX RECEPTACLE MOUNTED ABOVE CEILING TILE WITH FACE FLUSH WITH CEILING
- DOOR OPERATOR CONTROLLER @ 44" A.F.F.
- INFRARED HEATER
- BASEBOARD HEATER
- OUTSIDE AIR INTAKE
- EXHAUST FAN
- CONDENSING UNIT
- FURNACE
- REGRULATING PUMP
- 4 POST TRUCK LIFT

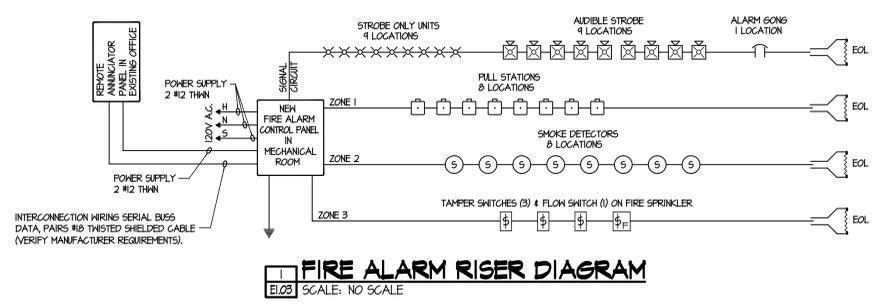
PLAN NOTES

- 1) PROVIDE CONTROL AND POWER WIRING TO DOOR OPERATOR AND DOOR SENSOR.
- 2) PROVIDE (3) #6 THINS AND (1) #0 GROUND IN 3/4"Ø CONDUIT.
- 3) PROVIDE DISCONNECT, SEE SINGLE LINE DIAGRAM ON SHEET E6.01 FOR SIZE AND TYPE. INSTALL ON NH POLE OF LIFT.
- 4) THERMAL TRIP SWITCH AND POWER WIRING INCLUDING CONDUIT BY ELECTRICAL SUB-CONTRACTOR. COORDINATE WITH MECHANICAL SUB-CONTRACTOR. SWITCH SHALL HAVE AN INDICATOR LAMP TO INDICATE WHETHER THE FAN IS IN OPERATION OR NOT.
- 5) LIFT SWITCH BY LIFT SUPPLIER, WIRING BY ELECTRICAL SUB-CONTRACTOR. INSTALL ON NH POLE OF LIFT.
- 6) EXHAUST FAN SHALL BE WIRED THROUGH ROOM LIGHTS, WHEN LIGHTS ARE ON EXHAUST FAN SHALL OPERATE.
- 7) EXISTING AIR COMPRESSOR TO BE RELOCATED BY CITY, WIRING BY ELECTRICAL SUB-CONTRACTOR.
- 8) PROVIDE BUCK & BOOST TRANSFORMER, SEE SINGLE LINE DIAGRAM FOR SIZE AND TYPE.
- 9) 3-POINT GROUND FIELD WITH GROUNDING RODS AT 10' CENTERS. SEE SINGLE LINE DIAGRAM ON SHEET E6.01.
- 10) TRANSFORMER BY AMEREN, COORDINATE OPENING IN CONCRETE, SEE SINGLE LINE DIAGRAM ON SHEET E6.01.
- 11) EXISTING HELDER (DIALARG 250) TO BE RELOCATED BY CITY, WIRING BY ELECTRICAL SUB-CONTRACTOR.
- 12) PROVIDE (3) #6 THINS AND (1) #0 GROUND IN 3/4"Ø CONDUIT.
- 13) PROVIDE (3) #4 THINS AND (1) #0 GROUND IN 1"Ø CONDUIT.
- 14) PROVIDE (3) #1 THINS AND (1) #6 GROUND IN 1-1/4"Ø CONDUIT.



A POWER PLAN
E1.02 SCALE: 1/8" = 1'-0"

The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

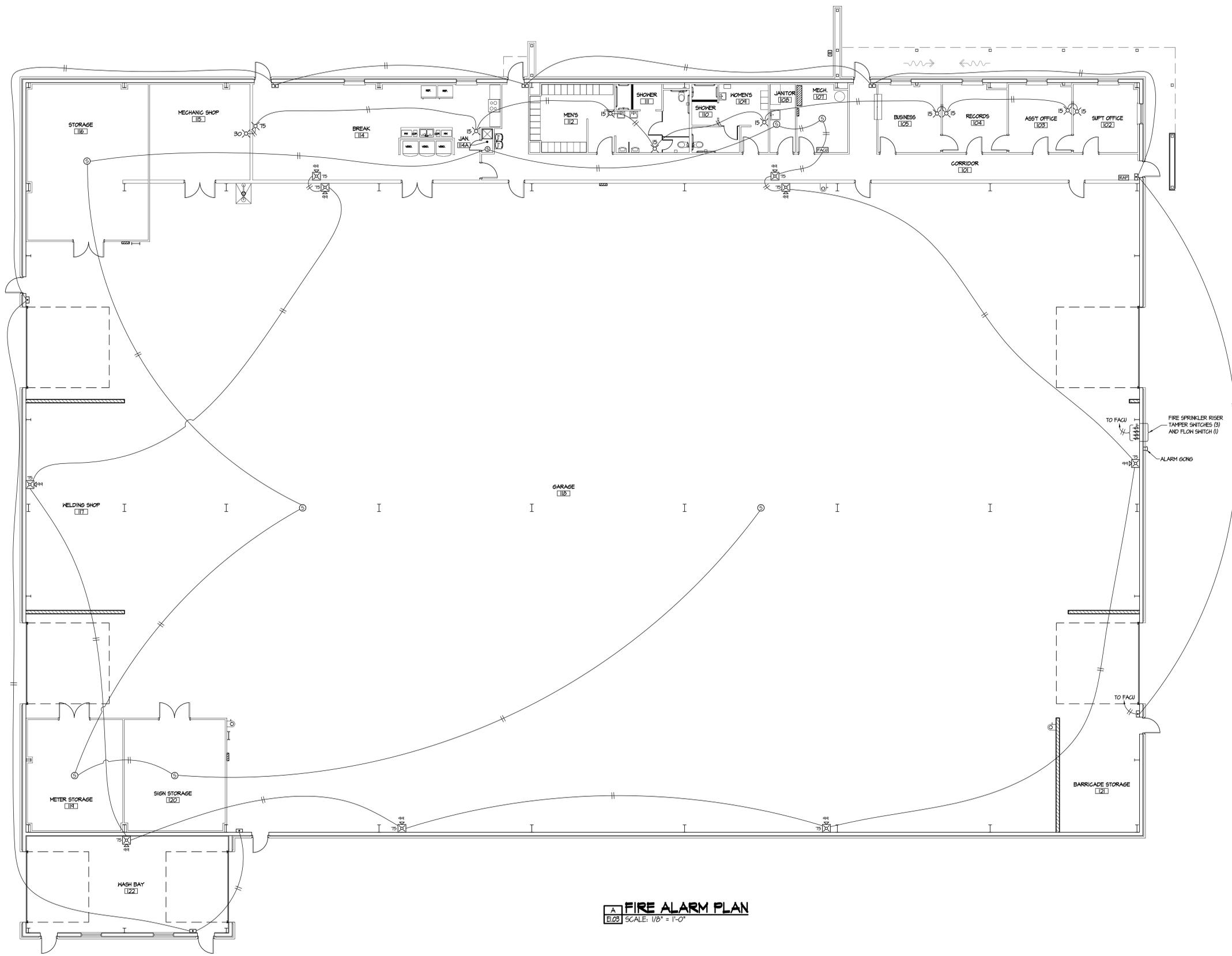


GENERAL NOTES

- 1) STROBES & AUDIBLE STROBES TO BE MOUNTED AT 6" BELOW CEILING.
- 2) HORNS TO BE RATED AT 99 DBA UNLESS OTHERWISE NOTED.
- 3) FULL STATIONS MOUNTED AT 44" A.F.F.
- 4) ALL STROBES TO BE ADA COMPLIANT.
- 5) PROVIDE WIRING FOR NEW FIRE ALARM APPLIANCES TO NEW FIRE ALARM EXTENDER PANEL.
- 6) SYNCHRONIZE APPLIANCES WHEN 2 OR MORE STROBES ARE WITHIN A 120° FIELD OF VIEW OR LESS THAN 55 FEET APART.
- 7) ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF NATIONAL ELECTRIC CODE 2014 EDITION.
- 8) NO EXPOSED CONDUIT OR RACEWAY WILL BE ALLOWED EXCEPT IN STORAGE AND SHOP ROOMS. INSTALL ALL CONDUIT IN STUD SPACE OR ABOVE NEW CEILING.

PLAN LEGEND

- [FACU] FIRE ALARM CONTROL UNIT. MOUNT AT 48" A.F.F.
- [RAP] REMOTE ANNUNCIATOR PANEL
- [S] FIRE ALARM STROBE AND RATED CANDELA MOUNTED AT 102" A.F.F.
- [FS] FIRE ALARM FULL STATION MOUNTED AT 44" A.F.F.
- [AS] AUDIBLE STROBE MOUNTED AT 102" A.F.F.
- [SD] SMOKE DETECTOR
- [DSD] DUCT SMOKE DETECTOR
- [15] CANDELA RATINGS OF STROBE
- [15] - DBA RATINGS OF HORN
- [TR] DUCT DETECTOR TEST/RESET STATION. PROVIDE KEYS FOR OPERATION AND POLY-CARBONATE COVER. MOUNT AT 44" A.F.F.
- [↑] AUDIBLE ALARM GONG @ 96" A.F.F.
- [‡] TAMPERSWITCH(S) ON OS&Y VALVES ON FIRE SPRINKLER RISER
- [‡] FLOW SWITCH/ALARM ON FIRE SPRINKLER RISER
- [M] MAGNETIC DOOR HOLD OPEN



The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

PLAN NOTES

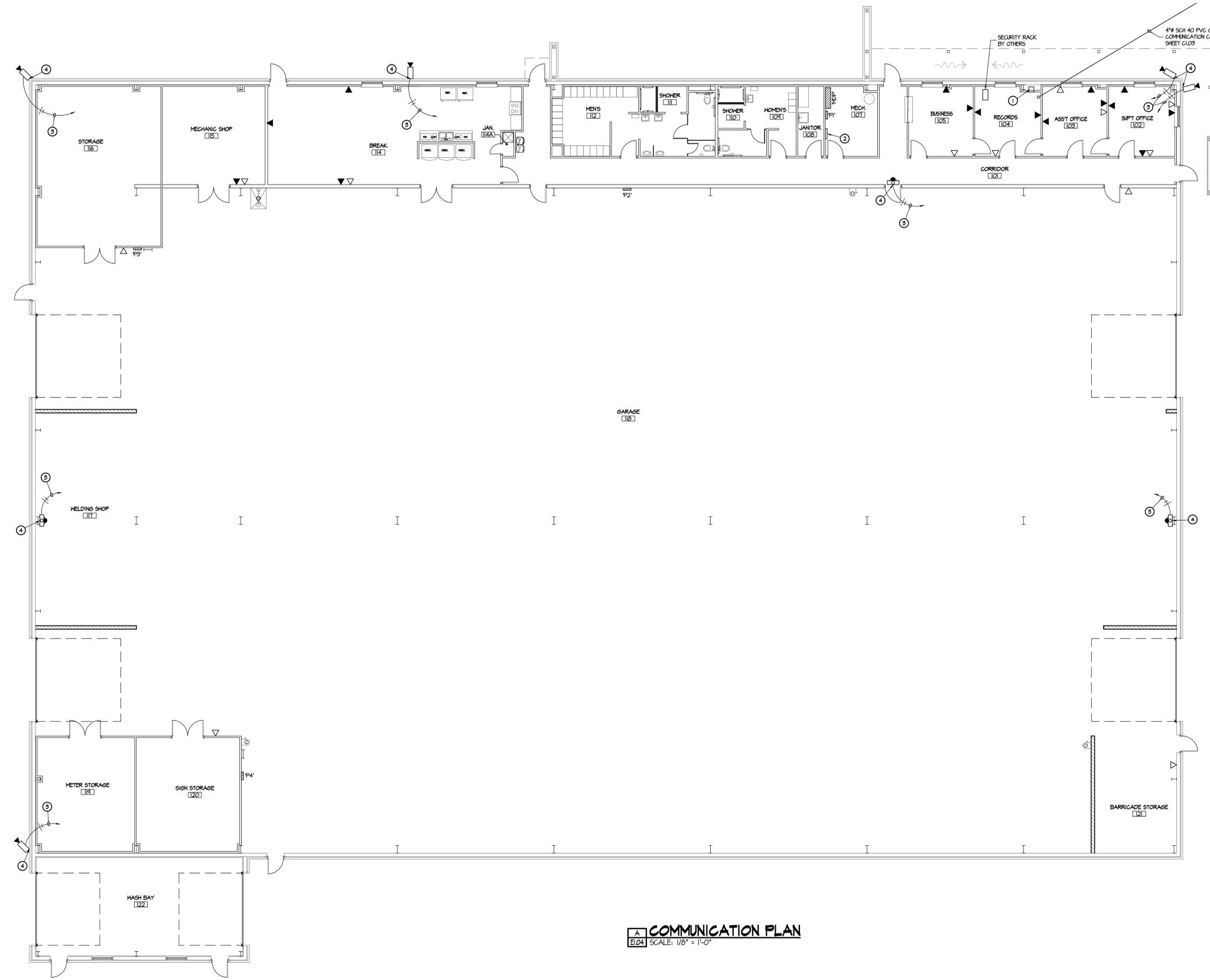
- 1) PROVIDE 12"x12" JUNCTION BOX FOR DATA CABLING, SEE DETAIL 3/E1.04.
- 2) LOCATION OF TELEPHONE FRONT END EQUIPMENT.
- 3) PROVIDE 1 CAT 6 CABLE IN 3/4" CONDUIT FROM CAMERA BOX TO SECURITY RACK IN RECORDS ROOM. FINAL TERMINATION SHALL BE BY OTHERS. PROVIDE SLACK AT CAMERA (5') AND AT RACK (10').
- 4) PROVIDE 4"x4" BOX FOR CONNECTION TO CONDUIT AND FOR CAMERA CABLING. EXTERIOR BOXES SHALL BE NET LISTED. COORDINATE HEIGHT WITH CAMERA PROVIDER.

GENERAL NOTES

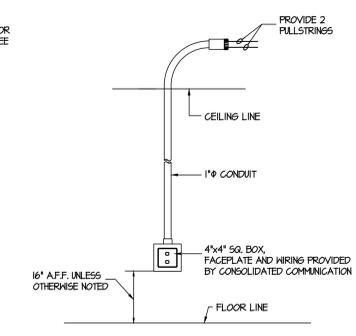
- 1) ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF NATIONAL ELECTRIC CODE 2014 EDITION.
- 2) NO EXPOSED CONDUIT OR RACEWAY WILL BE ALLOWED. INSTALL ALL CONDUIT IN STUD SPACE OR ABOVE NEK CEILING, EXCEPT IN OPEN AREAS.
- 3) ALL WIRING SHALL BE INSTALLED IN CONDUIT OR BE PLENUM RATED.
- 4) THE CONTRACTOR SHALL INCLUDE IN THEIR BID THE COST TO PROVIDE TELEPHONE AND DATA WORK. THE TELEPHONE AND DATA (INTERNET) CABLING, JACKS, FACEPLATES, RACKS, AND TERMINATIONS SHALL BE PROVIDED BY CONSOLIDATED COMMUNICATIONS CONTACT: RICK SCHMERS. PH: (217)-250-4600. CONDUIT, BOXES, AND PULL STRINGS SHALL PROVIDED BY THE ELECTRICAL SUB-CONTRACTOR.

PLAN LEGEND

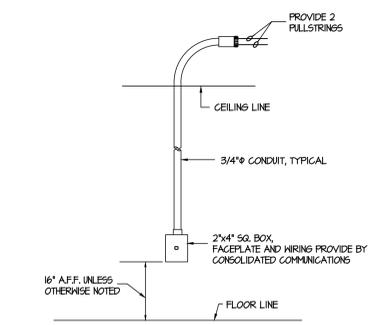
- WIRING CONCEALED IN RACEWAY OR CONDUIT LOCATED IN WALL OR CEILING. EQUIPMENT GROUND TO BE INCLUDED FOR EACH CIRCUIT
- DATA OUTLET, SEE DETAIL 1/E1.04
- TELEPHONE OUTLET, SEE DETAIL 2/E1.04
- OUTDOOR CAMERA PROVIDED BY OTHERS
- INDOOR CAMERA PROVIDED BY OTHERS



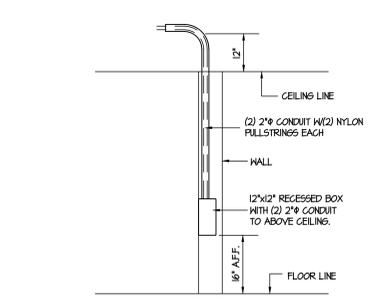
A COMMUNICATION PLAN
 E1.04 SCALE: 1/8" = 1'-0"



1 DATA OUTLET DETAIL
 E1.04 SCALE: N.T.S.



2 TELEPHONE JACK FOR PHONE SYSTEM DETAIL
 E1.04 SCALE: N.T.S.



3 12"x12" BOX FOR COMPUTER CABLING DETAIL
 E1.04 SCALE: N.T.S.

The Contractor shall obtain and verify all dimensions and conditions at job site and be fully responsible for same.

