

DESIGNER NOTE: IT IS THE SOLE RESPONSIBILITY OF THE ARCHITECT/ENGINEER OF RECORD TO MODIFY THE MAVIS DISCOUNT TIRE PROTOTYPE AS THE NEED ARISES. THE USER OF THIS PROTOTYPE DESIGN FILE AGREES THAT LARSON DESIGN GROUP WILL NOT BE HELD LIABLE FOR THE COMPLETENESS OR CORRECTNESS OF THE ELECTRONIC DOCUMENTATION CONTAINED HEREIN AFTER THE ACCEPTANCE OF THE ELECTRONIC FILE. FURTHER, THE ARCHITECT/ENGINEER OF RECORD SHALL CONFIRM LOCAL BUILDING CODE REQUIREMENTS AND MODIFY THE PROTOTYPE PER THE LOCAL BUILDING CODE AND THE AUTHORITY HAVING JURISDICTION OVER THE PROJECT.

MAVIS DISCOUNT TIRE

8-BAY SINGLE SIDED #000 - CITY, STATE

DESIGNER NOTE: ALL CHANGES MADE TO THE PROTOTYPICAL DRAWINGS BY THE ARCHITECT OF RECORD ARE TO BE BUBBLED AND SUBMITTED TO MAVIS TIRE FOR REVIEW.

ABBREVIATIONS

| | |
|---|--|
| & @ | AND AT |
| AFF ALUM ANSI APPROX. | ABOVE FINISHED FLOOR ALUMINUM AMERICAN NATIONAL STANDARDS INSTITUTE APPROXIMATE, APPROXIMATELY |
| B.O. BD. BRG. | BOTTOM OF BOARD BEARING |
| CCTV CL CJ CLG. CLR. CMU COL. COLS. CONC. CONT. C.O. | CLOSED-CIRCUIT TELEVISION CENTERLINE CONSTRUCTION JOINT CEILING CLEAR CONCRETE MASONRY UNIT COLUMN COLUMNS CONCRETE CONTINUOUS CONTRACTING OFFICER |
| D.S. DIA. DISP. DITL. | DOWNSPOUT DIAMETER DISPLAY OR DISPENSER DETAIL |
| E.W.C. ELEC. EXP. EXT. | ELECTRICAL WATER COOLER ELECTRIC, ELECTRICAL EQUAL EXPANSION EXTERIOR |
| FX FF FIN. F.O. | FIRE EXTINGUISHER FACTORY FINISH FINISH(ED) FACE OF |
| GA. G.C. GYP. | GAUGE GENERAL CONTRACTOR GYPSUM |
| H HB. HOW HGT. HM HT. | HIGH HOSE BIBB HARDWARE HEIGHT HOLLOW METAL HEIGHT |
| I.D. I.E. INSUL. INT. IRT | INSIDE DIAMETER THAT IS INSULATION INTERIOR INTEGRATED RETAIL TERMINAL |
| JAN. JT. LB | JANITOR JOINT POUND |
| MATL. MAX. MFR. MIN. M.O. MOD. MID MTL. | MATERIAL MAXIMUM MANUFACTURER MINIMUM MASONRY OPENING MODIFIED MOUNTED METAL |
| NO. N/A | NUMBER NOT APPLICABLE |
| O.C. O.D. OPP. | ON CENTER OUTSIDE DIAMETER OPPOSITE |
| P. PART. PSM. PLYWD. P.O. P.O.S. PTD. PL | PLASTIC LAMINATE PARTITION, PARTIAL POSTAGE BOOKLET STAMP MACHINE PLYWOOD POST OFFICE POINT OF SALE PAINTED PLATE |
| RECEP. REF. REQ'D R.O. | RECEPTACLE REFER, REFERENCE REQUIRED ROUGH OPENING |
| SQ. FT. SQ. IN. SCW S.S. SHT. SHTS. SIM. S.M. SPECS STL. | SQUARE FEET SQUARE INCHES SOLID CORE WOOD STAINLESS STEEL SHEET SHEETS SIMILAR SURFACE MOUNTED SPECIFICATIONS STEEL |
| T & G T.B.R. TELE THICK THRESH T.O. TYP | TONQUE AND GROOVE TO BE REMOVED TELEPHONE THICKNESS THRESHOLD TOP OF TYPICAL |
| U.O.N. USPS | UNLESS OTHERWISE NOTED UNITED STATES POSTAL SERVICE |
| VCT VIF W W | VINYL COMPOSITION TILE VERIFY IN FIELD |
| W/ WD WWF | WIDE WOOD WELDED WIRE FABRIC |

DRAWING SYMBOLS

| PLAN SYMBOLS | |
|--------------|-----------------------------------|
| | BUILDING/WALL SECTION |
| | DETAIL REFERENCE DRAWING NUMBER |
| | ROOM/SPACE NUMBER |
| | DOOR NUMBER |
| | PARTITION TYPE |
| | WINDOW NUMBER |
| | ELEVATION REFERENCE NUMBER |
| | PROJECT NORTH |
| | LEVEL LINE CONTROL POINT OR DATUM |
| | WALL TYPE |
| | FIRE EXTINGUISHER |
| | CENTER ON ROOM OR WALL |

DETAIL SYMBOLS

| | |
|--|---------------------------------|
| | EARTH/COMPACT FILL |
| | CAST IN PLACE/ PRECAST CONCRETE |
| | POROUS FILL/GRAVEL |
| | GWB WALLS |
| | MASONRY WALL |
| | WOOD ROUGH/BLOCKING |
| | PLYWOOD |
| | GYPSUM WALLBOARD |
| | STEEL/METAL SECTIONS |
| | JAMB TIGHT AGAINST WALL |

ARCHITECT

COMPANY NAME
ADDRESS
CITY, STATE
PHONE:
CONTACT NAME

M/P ENGINEER

COMPANY NAME
ADDRESS
CITY, STATE
PHONE:
CONTACT NAME

STRUCTURAL ENGINEER

COMPANY NAME
ADDRESS
CITY, STATE
PHONE:
CONTACT NAME

GENERAL NOTES

- CONSTRUCTION SHALL CONFORM TO THE ATTACHED DRAWINGS.
- THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL EXISTING CONDITIONS AND DIMENSIONS AT THE SITE. IF THERE IS ANY VARIATION FROM THESE DRAWINGS, THE CONTRACTOR IS DIRECTED TO NOTIFY THE OWNER AND THE ARCHITECT OF THESE BEFORE PROCEEDING.
- ALL DIMENSIONS ARE TO FINISHED FACE OF WALLS UNLESS SPECIFICALLY NOTED OTHERWISE.
- THE CONTRACTOR SHALL NOT SCALE THE DRAWING. IF ANY DIMENSIONS ARE FOUND TO BE MISSING, NOTIFY THE ARCHITECT BEFORE PROCEEDING.
- THE CONTRACTOR SHALL PROVIDE DEMOLITION, REMOVAL AND LEGAL DISPOSAL OF ALL EXISTING BUILDING STRUCTURES, FINISHES AND CONDITIONS AS REQUIRED TO COMPLETE THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT AREAS TO REMAIN, FROM DAMAGE DUE TO DEMOLITION OR CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT OCCURS TO ADJACENT AREAS TO REMAIN, DUE TO THEIR WORK.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CUT SHEETS TO THE ARCHITECT FOR APPROVAL PRIOR TO COMMENCING WITH THAT PORTION OF THE WORK FOR THE ITEMS LISTED IN CONSTRUCTION DRAWINGS & SPECIFICATIONS.
- ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE BUILDING CODES INDICATED HEREIN AND ALL APPLICABLE STATE CODES, FEDERAL REGULATIONS, THE NATIONAL BOARD OF FIRE UNDERWRITERS AND ALL APPLICABLE LOCAL LAWS AND REGULATIONS.
- THE ARCHITECT SHALL OBTAIN APPROVAL OF DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL REQUIRED WORK PERMITS AND ALL REQUIRED TESTS AND INSPECTIONS, INCLUDING LETTER OF COMPLETION. CONTRACTOR SHALL FORWARD COPIES OF ALL PERMITS, TEST RESULTS AND INSPECTION APPROVALS TO THE ARCHITECT AND CLIENT FOR THEIR RECORD.
- PROVIDE AND MAINTAIN NECESSARY COVERINGS AND BOARDING TO PROTECT EXISTING WORK AND FINISHES. UPON COMPLETION, REMOVE ALL PROTECTION, CLEAN ALL EXPOSED SURFACES AND LEAVE ALL SPACES IN A CLEAN, ORDERLY CONDITION AND BROOM SWEEP. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE CAUSED BY IMPROPER PROTECTION AND SHALL REPAIR ANY DAMAGE CAUSED WITHOUT EXTRA CHARGE TO THE CLIENT.
- THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM JOB SITE AND KEEP CONDITIONS MAINTAINED IN A SAFE AND ACCESSIBLE FASHION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ELECTRICAL POWER DURING CONSTRUCTION AND TEMPORARY ELECTRIC LIGHTING FOR ALL PORTIONS OF THE WORK.
- ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS APPLYING TO THE CONTRACTOR, SHALL ALSO APPLY TO ALL THE CONTRACTORS SUB-CONTRACTORS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUBCONTRACTOR CONFORMANCE WITH THOSE REQUIREMENTS.
- THE TERM 'CONTRACTOR' SHALL REFER TO THE SELECTED CONTRACTOR AND/OR GENERAL CONTRACTOR
- LINES, WRES, ROPES, PIPES, CHAINS ETC. SHALL BE LOCATED SO THAT THEY WILL NOT CONSTITUTE A TRIPPING HAZARD.
- WHEN NOT BEING USED, MATERIAL, EQUIPMENT AND TOOLS THAT MIGHT FALL FROM LEVELS ABOVE AREAS USED BY THE PUBLIC SHALL BE KEPT AWAY FROM EDGES OR OPENINGS.
- WASTE DUMPSTERS AND DEBRIS BOXES SHALL BE SECURED AND THOSE CONTAINING MATERIAL OR DEBRIS SHALL BE COVERED AT THE END OF EACH WORKDAY.
- WASTE MATERIAL SHALL NOT BE PERMITTED TO ACCUMULATE AND SHALL BE PROPERLY DISPOSED OF IN DEBRIS CONTAINERS AT REASONABLE INTERVALS.
- PLYWOOD WITHIN SERVICE AREA TIRE STORAGE SHALL BE FIRE RETARDANT TREATED.
- PROVIDE SUFFICIENT BLOCKING FOR INSTALLATION OF WALL-MOUNTED EQUIPMENT.

RESPONSIBILITY SCHEDULE

| ITEM | BY OTHERS | BY CONTRACTOR | COMMENTS |
|-------------------------------------|-----------|----------------------|---|
| BUILDING SIGN(S) | FURNISH | INSTALL | RE: SIGN SPECIFICATION AND COORDINATION INFO ON SHEET A-800 |
| POLE SIGN OR MONUMENT SIGN | FURNISH | INSTALL | RE: SIGN SPECIFICATION AND COORDINATION INFO ON SHEET A-800 |
| MONUMENT MASONRY BASE WALL | PROVIDE | PROVIDE | RE: SIGN SPECIFICATION AND COORDINATION INFO ON SHEET A-800 |
| SIGN POLE, ELEC. STUB & FOOTING | PROVIDE | PROVIDE | RE: SIGN SPECIFICATION AND COORDINATION INFO ON SHEET A-800 |
| WINDOW GRAPHICS | PROVIDE | PROVIDE | GRAPHICS CONTRACTOR/INSTALLER TO VERIFY MEASUREMENTS |
| WALL GRAPHICS IN SHOWROOM | PROVIDE | PROVIDE | GRAPHICS CONTRACTOR/INSTALLER TO VERIFY MEASUREMENTS |
| STATE INSPECTION SIGNS | PROVIDE | PROVIDE | |
| ACCESSIBLE PARKING SIGNS | PROVIDE | PROVIDE | |
| HANDICAP DOOR SIGNS | PROVIDE | PROVIDE | |
| FREESTANDING METAL TV STAND | FURNISH | INSTALL | IF REQ'D |
| SERVICE MANAGER'S STATION | INSTALL | INSTALL | PHONE/DATA WIRING BY TENANT. ELECTRICAL WIRING BY CONTRACTOR; COORDINATE LOCATION OF STUB IN FLOOR SLAB |
| RESTROOM ACCESSORIES | FURNISH | PROVIDE | INCLUDE BABY CHANGING STATION IN CUSTOMER RR |
| SOAP DISPENSERS IN RESTROOM | FURNISH | INSTALL | |
| TOILET PAPER DISPENSERS IN RESTROOM | FURNISH | INSTALL | |
| SALES COUNTER | FURNISH | ASSEMBLE AND INSTALL | PHONE/DATA WIRING BY TENANT. ELECTRICAL WIRING BY CONTRACTOR; COORDINATE LOCATION OF STUB IN FLOOR SLAB |
| TECH CENTER COUNTER | FURNISH | INSTALL | |
| BAR STOOLS AT TECH CENTER | FURNISH | INSTALL | SPECIAL TOOL REQUIRED, BUY FROM AMERICAN CHAIRS. |
| BUILT-IN TV ENCLOSURE | PROVIDE | PROVIDE | PROVIDE PLASTIC LAMINATE TOP |
| WATER COOLER | PROVIDE | PROVIDE | |
| TIRE EQUIPMENT | PROVIDE | PROVIDE | CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN. |
| TIRE STORAGE RACKS | PROVIDE | PROVIDE | CONTRACTOR TO PROVIDE LIGHTING UNDER CATWALK LEVEL |
| TIRE DISPLAY RACKS | PROVIDE | PROVIDE | |
| ELECTRIC SERVICE | PROVIDE | PROVIDE | SWITCH ACCOUNT TO TENANT'S NAME DURING CONSTRUCTION |
| GAS SERVICE | PROVIDE | PROVIDE | |
| PHONE SERVICE | PROVIDE | PROVIDE | |
| WATER SERVICE | PROVIDE | PROVIDE | |
| LIFTS | PROVIDE | PROVIDE | CONTRACTOR TO CONNECT ELECTRIC AND COMPRESSED AIR & WIRE AUTO SHUT-OFF SENSOR |
| AIR PIPING | PROVIDE | PROVIDE | CONTRACTOR TO PROVIDE COMP. AIR DRIP. TENANT VENDOR TO CONNECT |
| COMPRESSORS | PROVIDE | PROVIDE | CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN. |
| OIL TANKS | PROVIDE | PROVIDE | CONTRACTOR TO PROVIDE CONC. PAD AND BOLT TO PAD. PROVIDE ELEC CONNECTION |
| FIRE AIR INFLATOR | FURNISH | INSTALL | |
| EYE WASH STATION | PROVIDE | PROVIDE | |
| WALL MOUNTED FANS | PROVIDE | PROVIDE | |
| SLAB THICKNESS TESTING | PROVIDE | PROVIDE | IF REQ'D FOR EXISTING BUILDING |
| THICKENED SLABS FOR LIFTS | PROVIDE | PROVIDE | TENANT TO TEST SLAB. CONTRACTOR TO PROVIDE 4"x4"x8" THK REINF. CONC. PAD IF REQ'D |
| FIRE ALARM SYSTEM | PROVIDE | PROVIDE | |
| CONDUIT FOR PHONE AND CABLE | PROVIDE | PROVIDE | |
| DATA CABLING | PROVIDE | PROVIDE | |
| PHONE SYSTEM | PROVIDE | PROVIDE | |
| PHONE TERMINATIONS | PROVIDE | PROVIDE | |
| DATA OUTLETS | PROVIDE | PROVIDE | |
| IT NETWORK BOX | PROVIDE | PROVIDE | |
| FIRE SUPPRESSION SYSTEM | FURNISH | PROVIDE | IF REQ'D BY AHJ |
| FIRE EXTINGUISHERS | INSTALL | INSTALL | RE: GENERAL NOTE H ON SHEET A-100 |
| LANDSCAPING | PROVIDE | PROVIDE | IF REQ'D |
| REPAIR/REPLACE ASPHALT PARKING | PROVIDE | PROVIDE | IF REQ'D |
| SEAL PARKING LOT | PROVIDE | PROVIDE | IF REQ'D |
| STRIP PARKING LOT | PROVIDE | PROVIDE | IF REQ'D |
| NOTE: | | | DELIVERY TRUCKS WILL HAVE LIFT GATES. CONTRACTOR RESPONSIBLE FOR PROVIDING A PALLET JACK OR OTHER MEANS OF MOVING DELIVERED ITEMS |

CODE COMPLIANCE

A. PROJECT ADDRESS

MAVIS DISCOUNT TIRE
123 STREET NAME
CITY, ST 12345

LOCAL ORDINANCE:
NAME: XXX
NUMBER: XXX

THE FOLLOWING DRAWINGS, GENERAL NOTES AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE CODES LISTED SECTION IN B. BUILDING CRITERIA BELOW, TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT. PLANS ARE FOR THE CONSTRUCTION OF A ONE STORY MOTOR VEHICLE REPAIR FACILITY.

B. BUILDING CODE SUMMARY

BUILDING CODE: 2015 INTERNATIONAL BUILDING CODE
MECHANICAL CODE: 2015 INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE: 2015 NATIONAL ELECTRICAL CODE
FIRE CODE: 2015 INTERNATIONAL FIRE CODE
ANSI A117.1-2017
PLUMBING CODE: 2015 INTERNATIONAL PLUMBING CODE
ENERGY CODE: 2009 INTERNATIONAL ENERGY CONSERVATION CODE
FIRE CODE: 2015 INTERNATIONAL FIRE CODE
ANSI A117.1-2017
OCCUPANCY GROUP: NONSEPARATED MIXED: M (MERCANTILE)/ S-1 (STORAGE-MODERATE HAZARD)
CONSTRUCTION TYPE: VB
SPRINKLERED: NO
SEISMIC ZONE: SEE STRUCTURAL DRAWINGS
ALLOWABLE BUILDING AREA: 9,000 SQ. FT. PER IBC 2015 TABLE 506.2
ALLOWABLE BUILDING HEIGHT: 1 STORY AND 40 FEET PER IBC 2015 TABLE 504.3 & 504.4
FIRE REQUIREMENTS: NONSEPARATED MIXED OCCUPANCY: THE MOST RESTRICTIVE PROVISIONS OF IBC CHAPTER 9 AND IFC CHAPTER 32 THAT APPLY TO THE NONSEPARATED OCCUPANCIES SHALL APPLY TO THE TOTAL NONSEPARATED AREA.
REQUIREMENTS FOR HIGH PILED COMBUSTIBLE STORAGE (TIRES): FIRE PROTECTION COMPLIANCE REQUIRED PER IFC 2015 TABLE 3206.2 FOR HIGH HAZARD, NON-PUBLIC ACCESSIBLE STORAGE 501-2500 SF, <20' HIGH = OPTION 2
1. SPRINKLER NOT REQUIRED FOR TIRE STORAGE PER IFC 2015 TABLE 3206.2 AND PER IBC 2015 SECTION 903.2.9.2
2. FIRE DETECTION TO BE PROVIDED PER IFC 2015 SECTION 3206.5
3. BUILDING ACCESS TO BE PROVIDED PER IFC 2015 SECTION 3206.6
4. SMOKE & HEAT VENTS PROVIDED PER IFC 2015 SECTION 3206.7 AND 2015 IBC SECTION 910
3,453 SQ. FT. STORAGE / 50 = 69.06 SQ. FT. VENT REQ'D.
75 SQ. FT. VENT AREA PROVIDED
5. SEE SHEET A-601 FOR ADDITIONAL INFO ON VOLUME OF TIRE STORAGE
EXITWAYS TO HAVE A CLASS "A" FLAME SPREAD CLASSIFICATION (MIN)
EXIT CORRIDORS TO HAVE A CLASS "B" FLAME SPREAD CLASSIFICATION (MIN)
OTHER ROOMS TO HAVE A CLASS "C" FLAME SPREAD CLASSIFICATION (MIN)
CLASS A= 0-25 FLAME SPREAD INDEX; 0-450 SMOKE DEVELOPED INDEX
CLASS B= 26-75 FLAME SPREAD INDEX; 0-450 SMOKE DEVELOPED INDEX
CLASS C= 76-200 FLAME SPREAD INDEX; 0-450 SMOKE DEVELOPED INDEX
INTERIOR FINISHES: TABLE 803.9
EXIT CORRIDORS TO HAVE A CLASS "A" FLAME SPREAD CLASSIFICATION (MIN)
EXIT CORRIDORS TO HAVE A CLASS "B" FLAME SPREAD CLASSIFICATION (MIN)
OTHER ROOMS TO HAVE A CLASS "C" FLAME SPREAD CLASSIFICATION (MIN)
CLASS A= 0-25 FLAME SPREAD INDEX; 0-450 SMOKE DEVELOPED INDEX
CLASS B= 26-75 FLAME SPREAD INDEX; 0-450 SMOKE DEVELOPED INDEX
CLASS C= 76-200 FLAME SPREAD INDEX; 0-450 SMOKE DEVELOPED INDEX

C. BUILDING AREA

SHOWROOM AREA: 955 SQ. FT.
SERVICE AREA: 3182 SQ. FT.
TIRE STORAGE AREA: 1933 SQ. FT.
RESTROOM AREAS: 173 SQ. FT.
MECHANICAL AREA: 63 SQ. FT.

SQUARE FOOTAGE OF INTERIOR FIRE AREA: 6360 SQ. FT.
SQUARE FOOTAGE OF BUILDING (EXTERIOR FOOTPRINT): 6730 SQ. FT.

D. BUILDING HEIGHT

BUILDING HEIGHT: 1 STORY AND 22'-4" FEET A.F.F.

E. OCCUPANT LOADING

IBC TABLE 1004.1.1
SHOWROOM AREA @ 60 SF/OCC= 16
SERVICE AREA @ 100 SF/OCC = 32
TIRE STORAGE AREA @ 300 SF/OCC= 7
MECHANICAL AREA @ 300 SF/OCC= 1
TOTAL OCCUPANT LOAD= 56

F. EGRESS

EGRESS WIDTH REQUIRED: 68" (2 DOORS AT 34")
EGRESS WIDTH PROVIDED: 137" (2 DOORS AT 34" AND 1 DOOR AT 69")

NUMBER OF EXITS REQUIRED: 2
NUMBER OF EXITS PROVIDED: 3

G. PLUMBING FIXTURE COUNT

MALE QUANTITIES: REQUIRED PROVIDED
TOILET(S): 1 2
LAVATORIE(S): 1 1
URINAL(S): 0 1

FEMALE QUANTITIES: REQUIRED PROVIDED
TOILET(S): 1 1
LAVATORIE(S): 1 1
DRINKING FOUNTAIN(S): 1 1
NUMBER REQUIRED: 1 1
BI-LEVEL (HI / LO): 1 1

SERVICE SINK : 1 1

H. ENERGY CODE COMPLIANCE

ENERGY CODE COMPLIANCE IS PROVIDED BY A COMCHECK COMPLIANCE CERTIFICATE. COMPLIANCE IS CALCULATED FOR CLIMATE ZONE 6A.

I. ROOF LOADS

RE: STRUCTURAL SHEET S-001 FOR ROOF DESIGN CRITERIA.

CONTRACTOR SHALL PROVIDE PROJECT SPECIFIC ROOF MANUFACTURER'S SIGNED ASSEMBLY LETTER AND SAMPLE WARRANTY WITH REQUIRED WIND SPEED LISTED PRIOR TO START OF WORK. 15 YEAR NDL ROOF.

| # | DRAWING NAME | ISSUED |
|--------|-----------------------------|--------|
| CS-100 | COVER SHEET & GENERAL NOTES | |
| G-100 | ADA STANDARDS | |
| G-200 | EGRESS PLANS | |

ARCHITECTURAL

| | | |
|--------|-------------------------------------|--|
| A-100 | FLOOR PLAN | |
| A-101 | ROOF PLAN | |
| A-200 | EXTERIOR ELEVATIONS | |
| A-200c | EXTERIOR ELEVATIONS- COLORED | |
| A-300 | ENLARGED PLAN & INTERIOR ELEVATIONS | |
| A-301 | INTERIOR ELEVATIONS | |
| A-400 | REFLECTED CEILING PLANS | |
| A-500 | WALL SECTIONS | |
| A-501 | WALL SECTIONS | |
| A-502 | WALL DETAILS | |
| A-503 | WALL DETAILS | |
| A-555 | PVC ROOF DETAILS | |
| A-600 | MILLWORK DETAILS | |
| A-601 | EQUIPMENT & RACKING PLANS | |
| A-700 | SCHEDULE & DETAILS | |
| A-701 | FINISH SCHEDULES | |
| A-800 | SIGNAGE INFORMATION & DETAILS | |
| A-801 | DUMPSTER ENCLOSURE & SIGN DETAILS | |

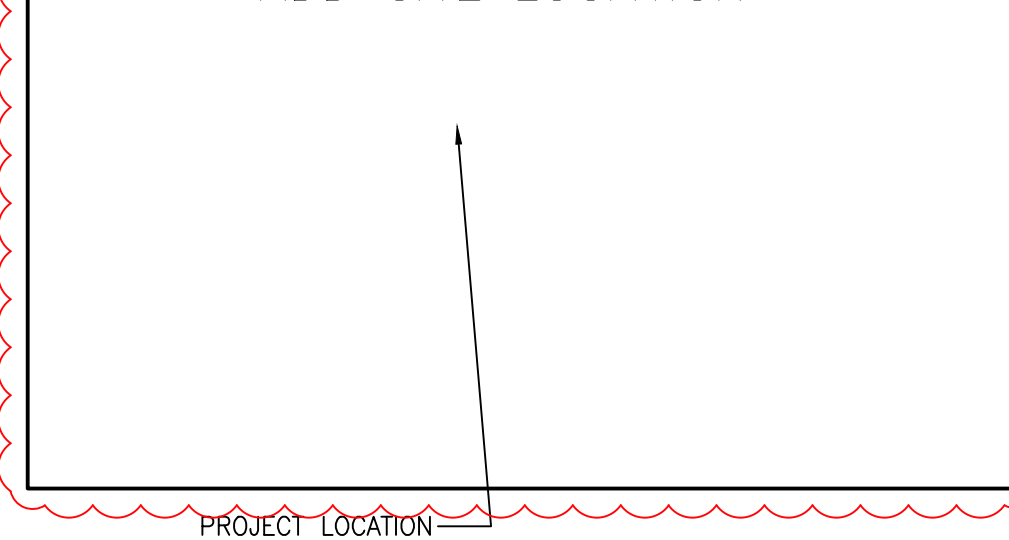
STRUCTURAL

| | | |
|-------|----------------------|--|
| S-001 | STRUCTURAL NOTES | |
| S-002 | STRUCTURAL NOTES | |
| S-100 | FOUNDATION PLAN | |
| S-101 | SLAB PLAN | |
| S-200 | ROOF FRAMING PLAN | |
| S-300 | FOUNDATION DETAILS | |
| S-301 | FOUNDATION DETAILS | |
| S-400 | ROOF FRAMING DETAILS | |
| S-401 | ROOF FRAMING DETAILS | |

MEP

| | | |
|--------|---------------------------------------|--|
| M-001 | HVAC LEGEND, SCHEDULES, AND NOTES | |
| M-100 | HVAC PLAN | |
| P-001 | PLUMBING LEGEND, SCHEDULES, AND NOTES | |
| P-100 | PLUMBING PLAN | |
| P-101 | AIR LINE PIPING PLAN | |
| E-001 | FIXTURE SCHEDULE & SYMBOL LIST | |
| E-100 | POWER PLANS | |
| E-101 | LIGHTING PLANS | |
| E-102 | RISER & SCHEDULES | |
| FA-100 | FIRE ALARM PLAN | |

ADD SITE LOCATION



1 LOCATION MAP
SCALE: NTS

MAR 11 2019

8-BAY SINGLE SIDED

| NO. | DATE | ISSUED | COMMENTS | ISSUE / REVISIONS |
|-----|------------|--------|----------|-------------------|
| A | xx/xx/2018 | xxx | xxx | xxx |
| | | | | by: CKD |

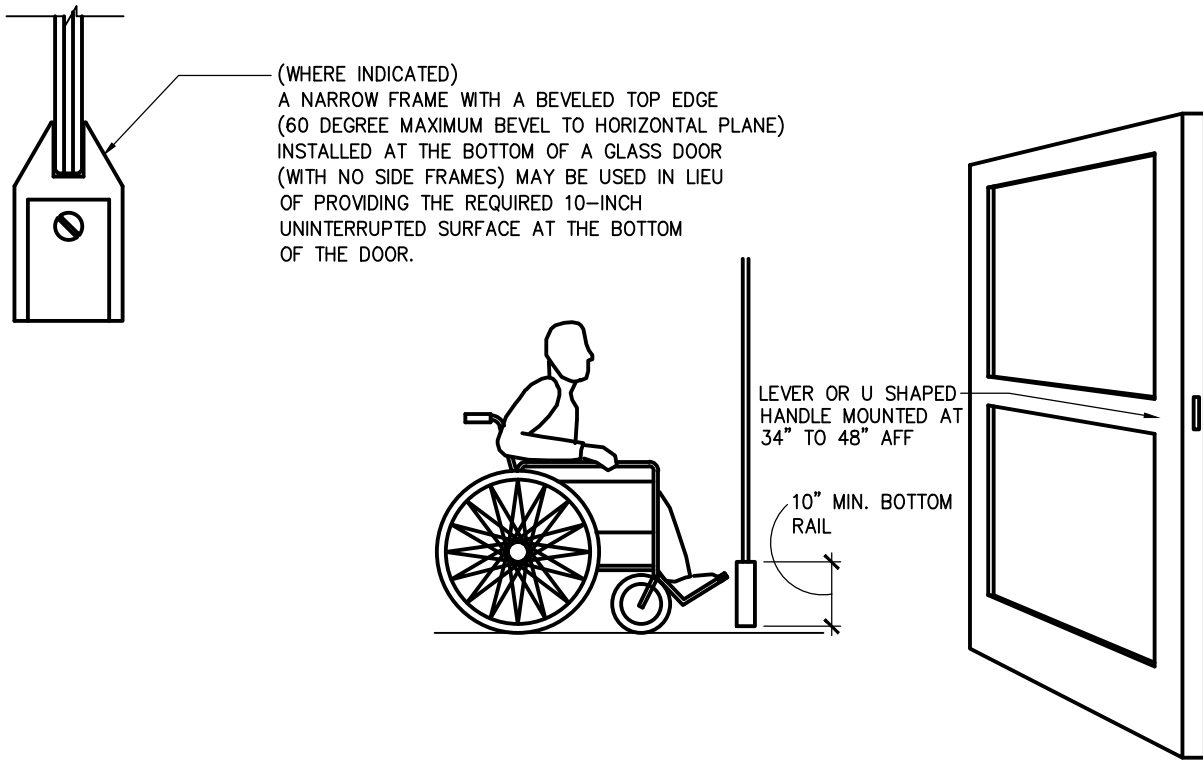
DOORS AND HARDWARE

DOOR TYPE:

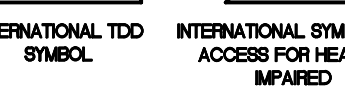
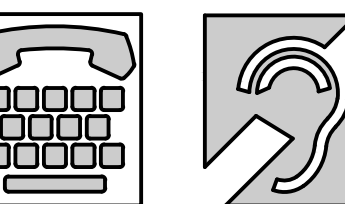
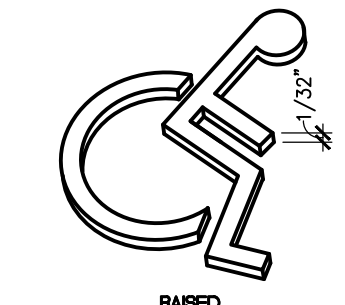
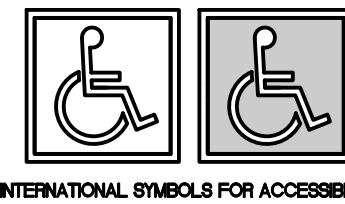
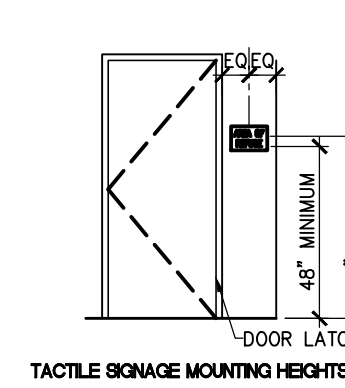
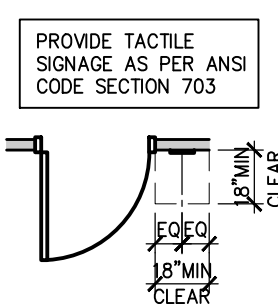
1. MINIMUM 10" HIGH SMOOTH SURFACE AT DOOR BOTTOM, EITHER ATTACHED PANEL OR BOTTOM RAIL.

HARDWARE:

1. OPENABLE FROM INSIDE WITHOUT USE OF KEY OR SPECIAL KNOWLEDGE OR EFFORT.
2. OPENABLE BY SINGLE EFFORT LEVER-TYPE DEVICE (NOT REQUIRING GRASPING).
3. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE HARDWARE TO BE MOUNTED AT 34" TO 48" AFF.
4. MAXIMUM 8.5 LBS. EFFORT TO OPERATE EXTERIOR DOOR, 5 LBS. FOR INTERIOR.



TACTILE SIGNAGE AND SYMBOLS

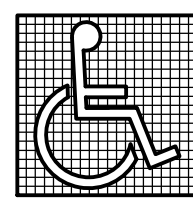


LETTERS AND NUMBERS:

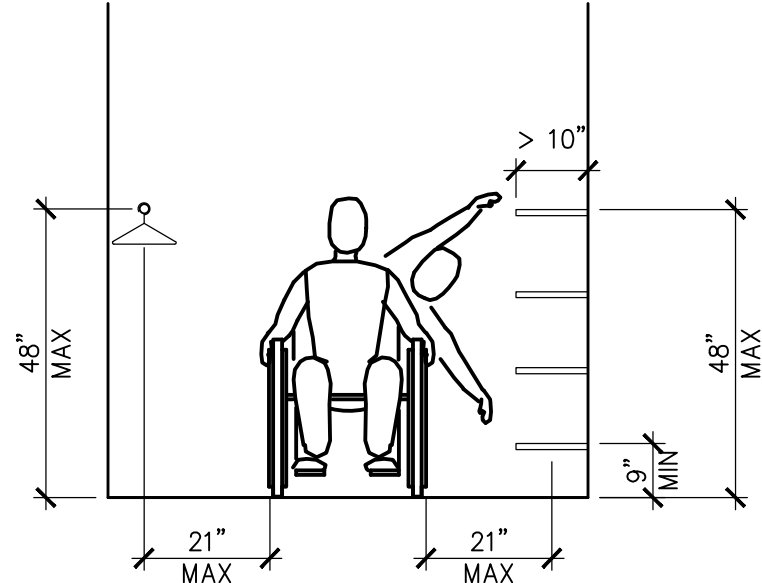
1. LETTERS AND NUMERALS SHALL BE RAISED 1/32" (0.8 MM) MINIMUM. UPPER CASE, SANS-SERIF OR SIMPLE SERIF AND SHALL BE ACCOMPANIED WITH GRADE 2 BRAILLE. RAISED CHARACTERS SHALL BE AT LEAST 5/8" (16 MM) HEIGHT, BUT NO HIGHER THAN 2" (50 MM). PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSIONS OF THE PICTOGRAM SHALL BE 6" (152 MM) MINIMUM IN HEIGHT. (ADAAG SEC. 4.30.4)
4. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10. (ADAAG SEC. 4.30.2)
5. THE CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND - EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. (ADAAG SEC. 4.30.5)
6. CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE X. LOWER CASE CHARACTERS ARE PERMITTED. (ADAAG SEC. 4.30.3)
7. BRAILLE SHALL BE CONTRACTED (GRADE 2) BRAILLE AND SHALL COMPLY WITH SECTION 703.4. (ICC/ANSI SEC. 703.4.1)
8. BRAILLE SHALL BE BELOW THE CORRESPONDING TEXT. IF TEXT IS MULTILINE, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 1/8" (3.2 MM) MIN. FROM ANY OTHER TACTILE CHARACTERS AND 3/8" (9.5 MM) MIN. FROM RAISED BORDERS AND DECORATIVE ELEMENTS. BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED 1/16" (1.6 MM) MIN. EITHER DIRECTLY BELOW OR ADJACENT TO THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS. (ICC/ANSI SEC. 703.4.4)

SIGN LOCATIONS:

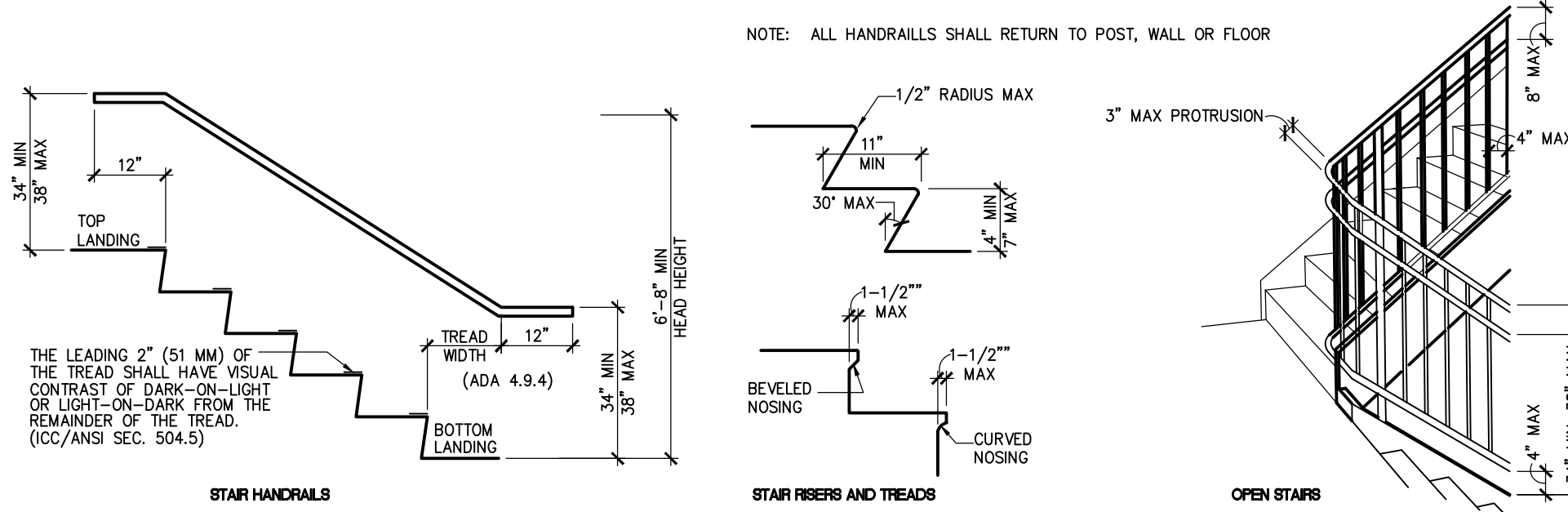
9. ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE IDENTIFIED WITH A SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS. (ICC/BOC SEC. 1110)
10. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60" (1525 MM) ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 5" (127 MM) OF THE SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR. (ADAAG SEC. 4.30.6)
11. ADDITIONAL DIRECTIONAL SIGNS ALONG ACCESSIBLE PATH OF TRAVEL ARE REQUIRED. (ICC/BOC SEC. 1110)
12. BUILDINGS REMODELED TO PROVIDE ACCESSIBLE SANITARY FACILITIES FOR PUBLIC USE SHALL HAVE INFORMATION POSTED IN THE LOBBY AS PART OF THE BUILDING DIRECTORY.
13. INTERNATIONAL SYMBOL OF ACCESSIBILITY.
14. STANDARD USED TO IDENTIFY ACCESSIBLE FACILITIES.
15. WHITE FIGURE ON BLUE BACKGROUND, COLOR # 15090 ON FEDERAL STANDARD # 595A.
16. WHEN ENFORCING AGENCY DETERMINES, IF APPROPRIATE, SPECIAL DESIGNS AND COLORS MAY BE APPROVED.
17. BRAILLE: (ICC/ANSI TABLE 703.4.3)
18. DOTS TO BE 0.09" (2.3 MM) TO 0.1" (1.5 MM) ON CENTER IN EACH CELL.
19. 0.241" (6.1 MM) TO 0.3" (7.6 MM) SPACE BETWEEN CELLS HORIZONTALLY.
20. 0.395" (10.0 MM) TO 0.4" (10.2 MM) SPACE BETWEEN CELLS VERTICALLY.
21. DOTS RAISED 0.025" (0.6 MM) TO 0.037" (0.9 MM) ABOVE BACKGROUND.
22. DOTS BASE DIAMETER TO BE 0.059" (1.5 MM) TO 0.063" (1.6 MM).



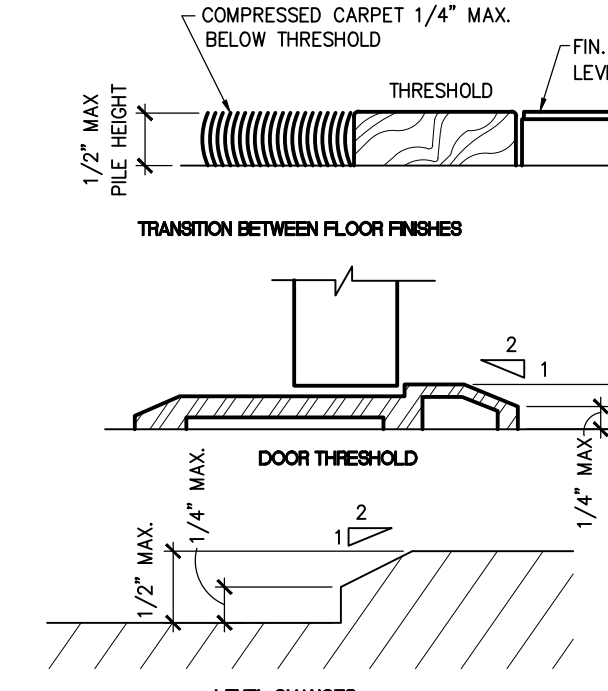
SHELVES AND CLOSETS



STAIRWAYS

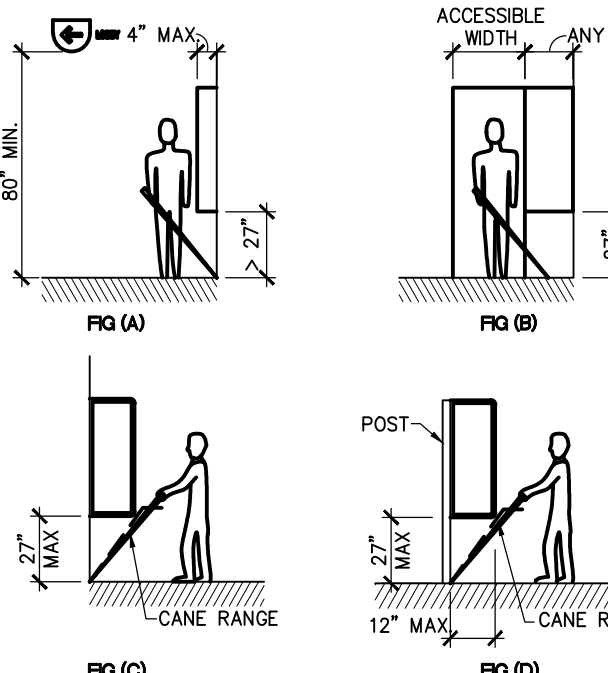


THRESHOLDS AND LEVEL CHANGES



1. 1/2" MAXIMUM TOTAL HEIGHT WITH 1/4" MAXIMUM VERTICAL CHANGE AT EDGE.
2. 1:2 SLOPED BEVEL REQUIRED IF LEVEL CHANGE IS OVER 1/4" VERTICAL.
3. LEVEL CHANGES OF MORE THAN 1/2" MUST BE RAMPED AND COMPLY WITH RAMP REQUIREMENTS.

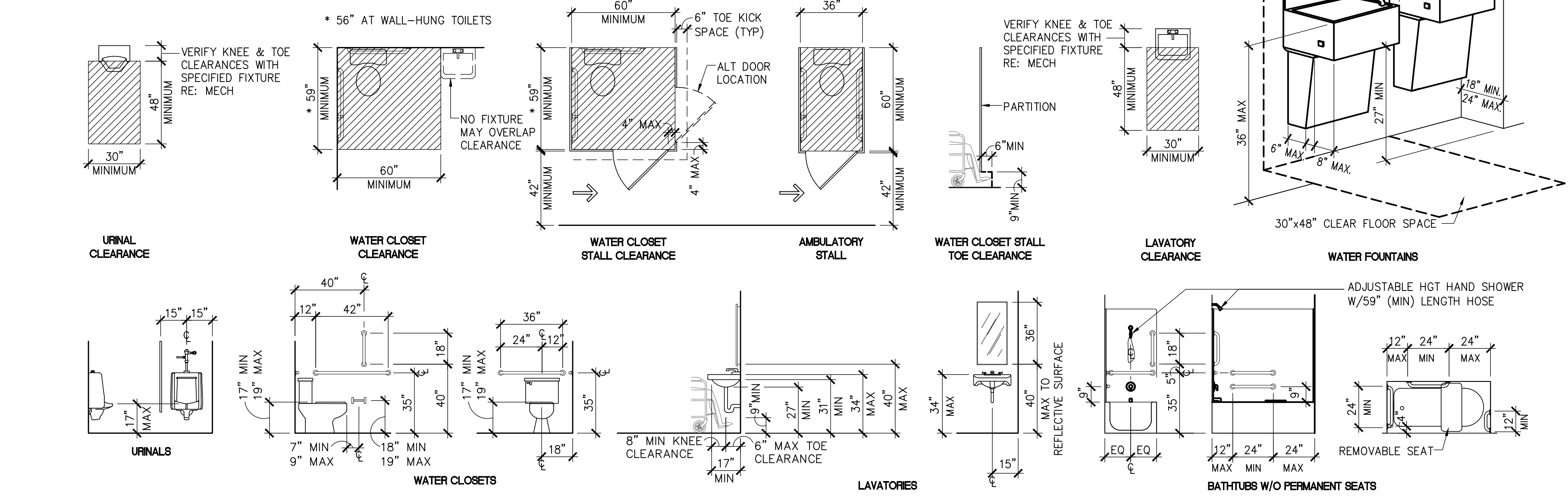
PROTRUDING OBJECTS



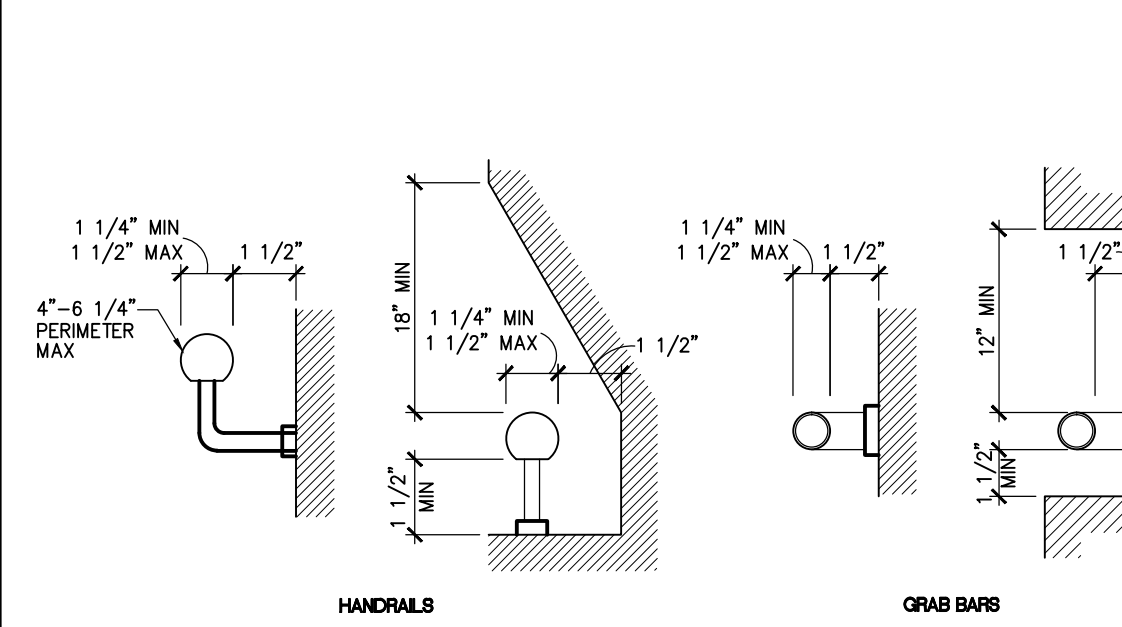
TOILET ROOM FIXTURE HEIGHTS AND CLEARANCES

NOTES:

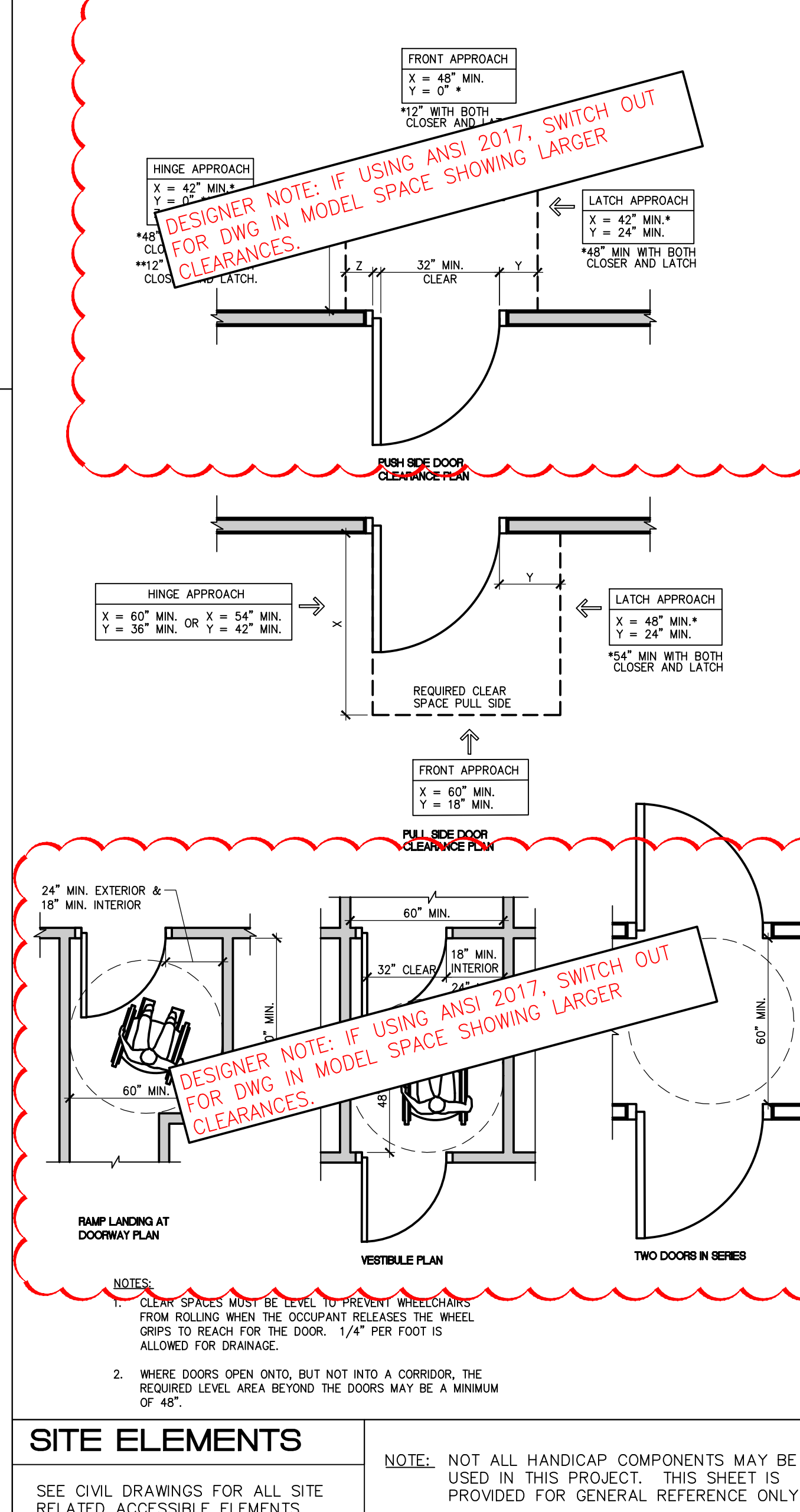
1. DIMS SHOWN ARE TO FACE OF FINISHED WALL/FLOOR/CEILING. VERIFY EXACT CLEARANCE PRIOR TO INSTALLATION.
2. PROVIDE NON-ABSORBENT SURFACE MATERIAL UP TO 48" AND BASE UP TO 6" AFF UNO (TYP).
3. INSULATE EXPOSED WASTE & WATER LINES BELOW LAVATORY (TYP).
4. 40" MIRROR MOUNTING HEIGHT SHALL BE FROM FLOOR TO REFLECTIVE SURFACE.
5. TOILET TRIP LEVER SHALL BE ON APPROACH SIDE OF FIXTURE. VERIFY PRIOR TO ORDERING.
6. GRAB BARS SHALL HAVE A 250 LB. WEIGHT CAPACITY.



HANDRAIL AND GRAB BAR MOUNTING



DOORWAYS



SITE ELEMENTS

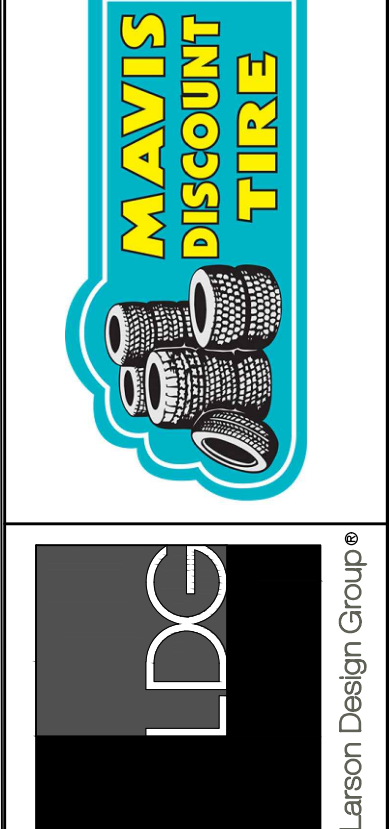
SEE CIVIL DRAWINGS FOR ALL SITE RELATED ACCESSIBLE ELEMENTS

NOTE: NOT ALL HANDICAP COMPONENTS MAY BE USED IN THIS PROJECT. THIS SHEET IS PROVIDED FOR GENERAL REFERENCE ONLY

MAR 11 2019

8-BAY SINGLE SIDED

| NO. | DATE | ISSUED | COMMENTS | BY | CHKD |
|-----|------------|--------|----------|-----|------|
| 1 | 03/11/2019 | | | XXX | XXX |
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ADA STANDARDS

MAVIS DISCOUNT TIRE #X - CITY, STATE

Larson Design Group • Architects Engineers Surveyors
100 Commerce Park Drive • Suite 201
Wilkesboro, NC 27670
PHONE 877.323.6603 TOLL FREE 877.323.6603
FAX 877.323.6602 • www.larsondesigngroup.com

MAVIS TIRE SUPPLY LLC
358 SAW MILL RIVER ROAD
MILLWOOD, NY 10546
PHONE (914) 984-2500


SHEET NO.: G-100

PROJECT NO.: XXXX-XXX

| OCCUPANCY TABLE 1004.1.1 | | | | | | |
|---|------------|------------|-----------------------|---------------------|---------------------------|-----------------------|
| OCCUPANCY TYPE:NON-SEPARATED MIXED USE; (M) MERCANTILE, (S-1) STORAGE | | | | | | |
| NAME | AREA (SF) | OCCUPANCY | GROSS SF PER OCCUPANT | NUMBER OF OCCUPANTS | EGRESS WIDTH PER OCCUPANT | EGRESS WIDTH REQUIRED |
| W AREA | 955 | MERCANTILE | 60 | 16 | 0.2" | 3.2" |
| COL AREA | 3182 | INDUSTRIAL | 100 | 32 | 0.2" | 6.4" |
| TIRE STORAGE AREA | 1933 | STORAGE | 300 | 7 | 0.2" | 1.4" |
| RESTROOM AREAS | 173 | UNOCCUPIED | 0 | 0 | — | 0 |
| MECHANICAL AREA | 63 | STORAGE | 300 | 1 | 0.2" | 0.2" |
| TOTAL | 6306 (NET) | | | 56 | 0.2" | 11.2" |

| MEANS OF EGRESS | | | |
|-----------------------|----------------|----------|--|
| ELEMENT | REQUIRED | PROVIDED | NOTES |
| DOORS | 11.2" REQUIRED | 137" | 0.2" EGRESS WIDTH PER OCCUPANT LOAD FACTOR. (1005.1) |
| TRAVEL DISTANCE | 200'-0" MAX | 145'-0" | (NON-SPRINKLERED) |
| TOTAL EXITS | 2 EXITS | 3 EXITS | 1-500 OCCUPANTS=2 EXITS |
| EXIT TO EXIT DISTANCE | 68'-2" MIN | 118'-10" | SHALL NOT BE LESS THAN ONE-HALF OF THE LENGTH OF THE DIAGONAL OF AREA SERVED (NON-SPRINKLERED) |

8-BAY SINGLE SIDED
(LEFT HAND)

[illegible]

LDE
arson Design Group

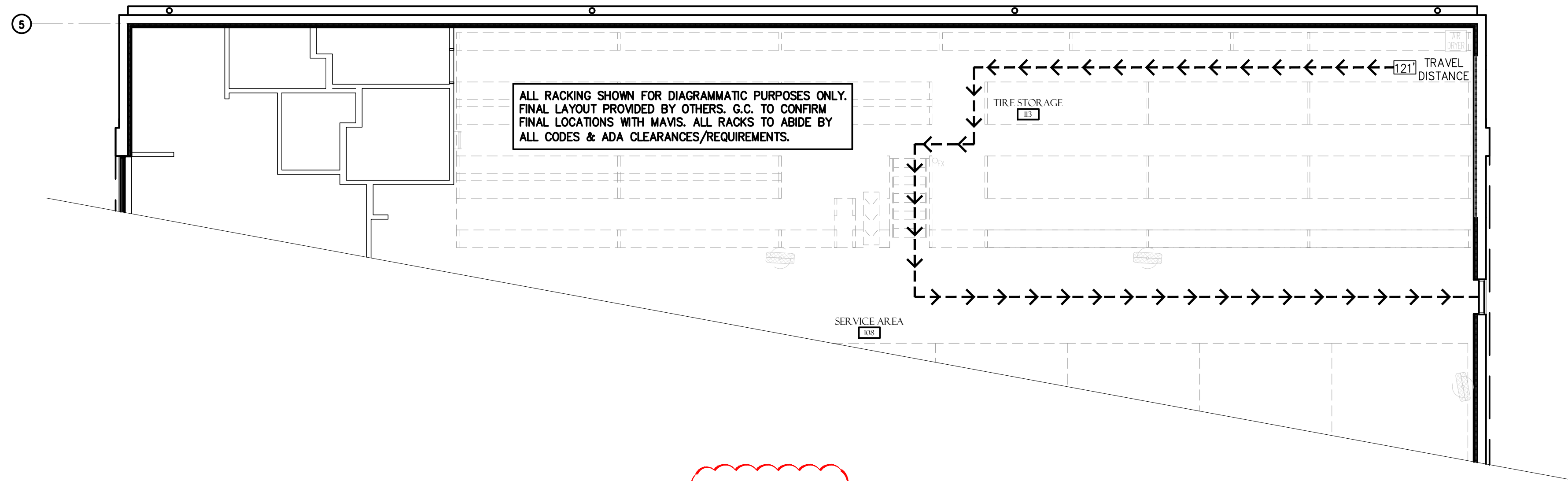
EGRESS PLAN

MAVIS DISCOUNT TIRE #X - CITY, STATE

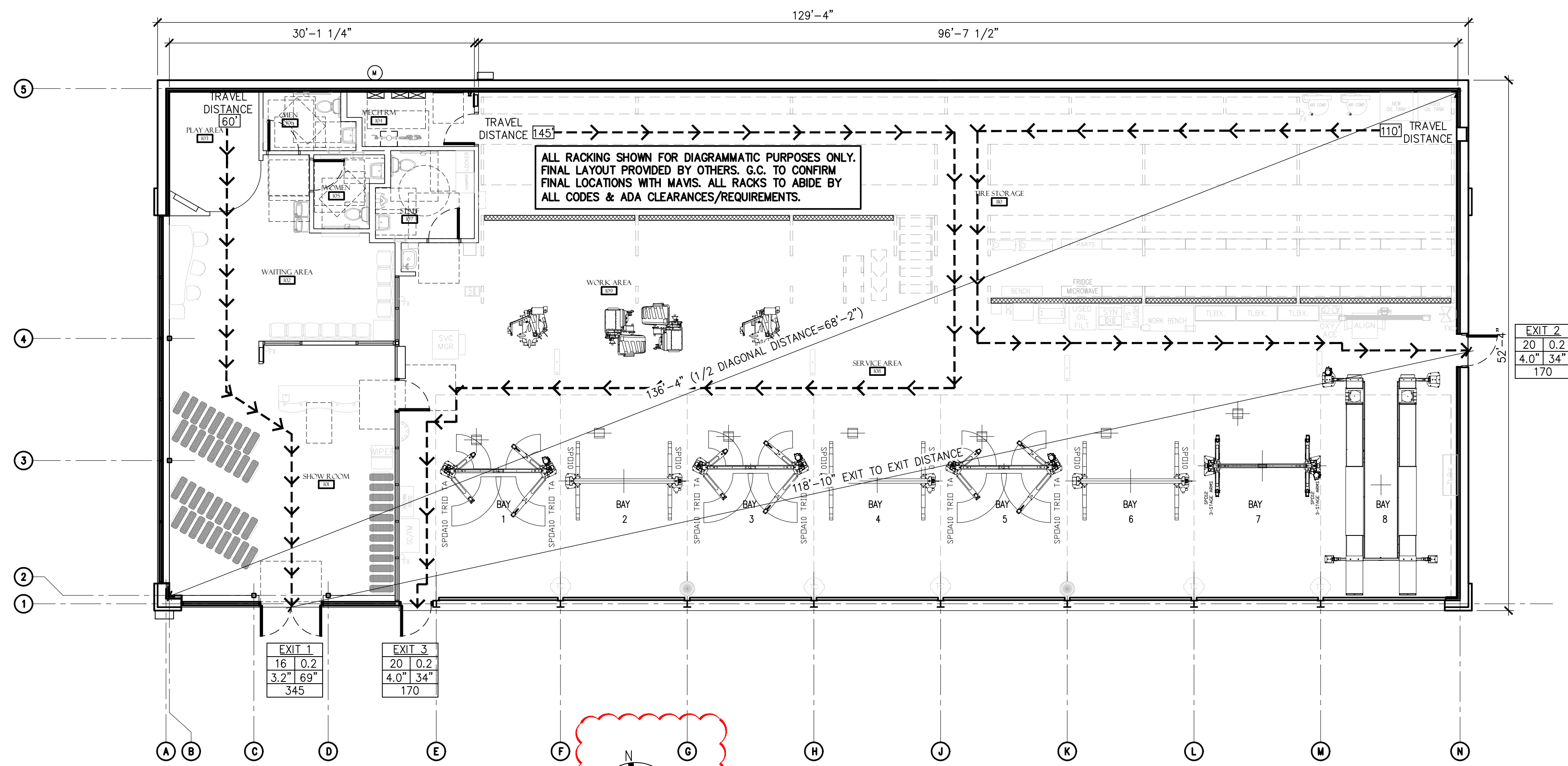
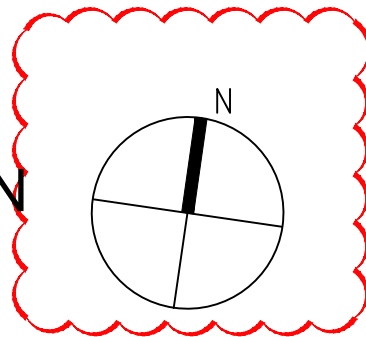
MAVIS TIRE SUPPLY, LLC
358 SAW MILL RIVER ROAD
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PHONE (914) 984-2500

Larson Design Group • Architects Engineers Surveyors
1000 Commerce Park Drive • Suite 201
Williamsport, PA 17701
PHONE 570.323.6603 TOLL FREE 877.323.6603

SHEET NO.:
G-200
PROJECT NO.: XXXX-XXX



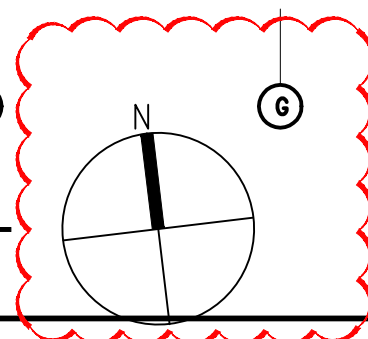
2ND TIER RACKING EGRESS PLAN



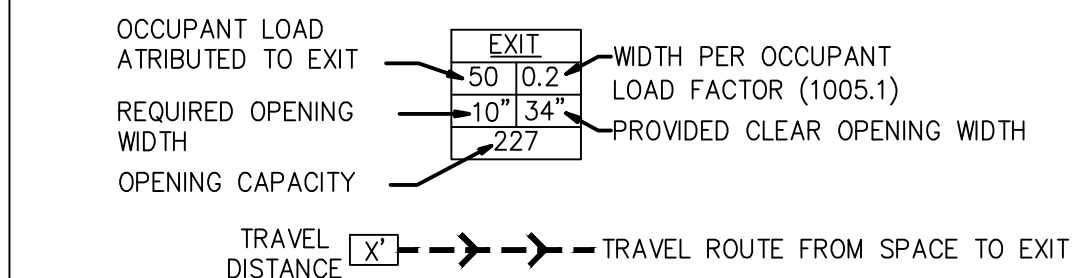
1
G-200

EGRESS PLAN

SCALE: 3/16" = 1'-0"



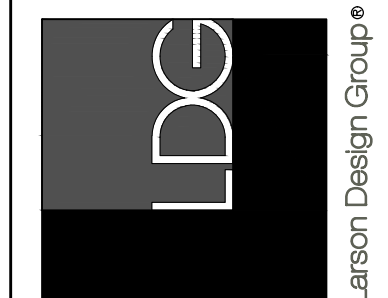
EGRESS PLAN LEGEND



EGRESS PLAN NOTES:

1. ACCESSIBLE EXIT SIGNS SHALL BE LOCATED PER SECTION 1011.3 & 1110 OF APPLICABLE BUILDING CODE.
2. MIN. RATING OF A PORTABLE F.E. IS 3A40BC. FINAL LOCATION, MOUNTING HEIGHT, & QUANTITY BY FIRE MARSHAL. CONTRACTOR SHALL VERIFY FIRE MARSHAL REQUIREMENTS FOR INSPECTION & TAGGING.

| | | ISSUE / REVISIONS | |
|----|------------|-------------------|------|
| NO | DATE | COMMENTS | BY |
| A | xx/xx/2018 | ISSUED | xxx |
| | | | xxx |
| | | | BY |
| | | | CHKD |



SHEET NO.:
A-100

PROJECT NO.:
XXXX-XXX

A. FINISHES SHALL BE PER FINISH SCHEDULE ON SHEET A-701.

B. CERTIFICATE OF OCCUPANCY: G.C. IS RESPONSIBLE FOR THE "CERTIFICATE OF OCCUPANCY". CERTIFICATE TO BE FRAMED AND MOUNTED IN THE SHOWROOM. IF MUNICIPALITY DOES NOT ISSUE A Cofo, IT IS THE RESPONSIBILITY OF THE G.C. TO GET A LETTER FROM THE MUNICIPALITY STATING AS SUCH ON CITY/COUNTY LETTERHEAD AND THAT LETTER IS TO BE FRAMED AND MOUNTED IN SHOWROOM.

C. KNOX BOX NOTE: IF A KNOX BOX ENTRY SYSTEM IS REQUIRED BY THE FIRE MARSHAL, CONTACT THE FIRE MARSHAL FOR REQUIRED ORDER FORM. PROVIDE & INSTALL PER MFR'S SPECIFICATIONS. KNOX BOX CONTACT - 866-625-4563

D. ALL FRAMED AND FURRED OUT PARTITIONS ARE DIMENSIONED TO ROOM FACE OF GWB OR PLWYD

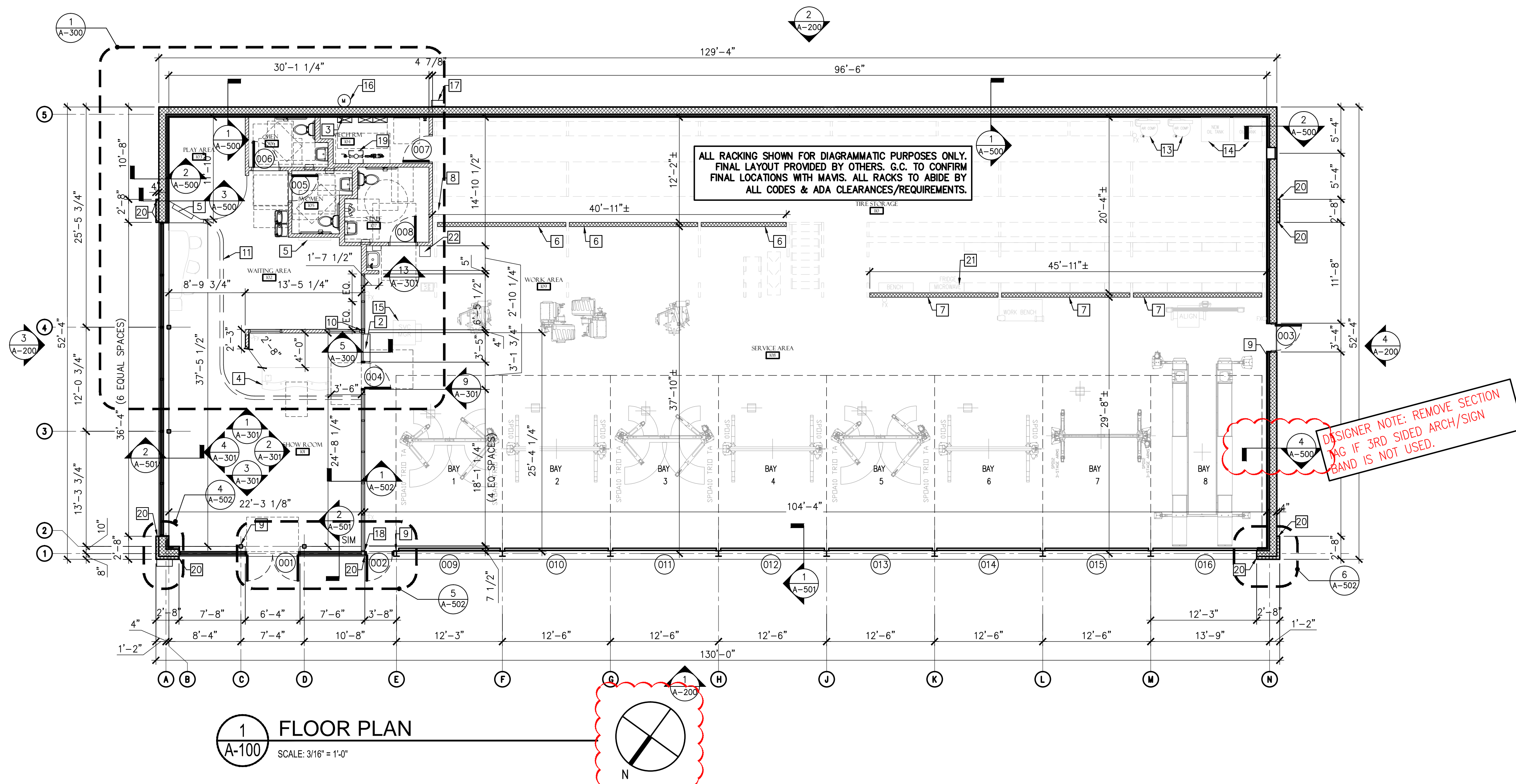
E. ALL NON-FURRED MASONRY WALL AND PARTITIONS ARE DIMENSIONED TO FACE OF MASONRY.

F. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION IS IN COMPLIANCE WITH ALL LOCAL, STATE AND NATIONAL CODES GOVERNING THE CONSTRUCTION AND WITH THE AMERICANS WITH DISABILITIES ACT. THE GENERAL CONTRACTOR SHALL COORDINATE THE VARIOUS CONSTRUCTION DOCUMENTS FOR THE PROJECT. IF CONFLICTS ARE FOUND, THE GENERAL CONTRACTOR SHALL RESOLVE THE CONFLICTS PRIOR TO PROCEEDING.

G. SEE SHEET A-700 FOR WALL TYPES.

H. MAWS TO PROVIDE (7) TOTAL FIRE EXTINGUISHERS AS SHOWN IN PLAN. SIX (6) FIRE EXTINGUISHERS TO BE PLACED ON MAIN LEVEL AND ONE (1) FIRE EXTINGUISHER TO BE PLACED ADJACENT TO STAIR ON UPPER RACKING LEVEL. PROVIDE WALL BRACKETS AND MOUNT CONTROLS AT 48" AFF MAX. PROVIDE "FIRE EXTINGUISHER" SIGNS ON WALL DIRECTLY ABOVE EACH UNIT. THE GENERAL CONTRACTOR SHALL HAVE EXTINGUISHERS INSPECTED AND TAGGED. VERIFY LOCATION WITH LOCAL FIRE AHJ BEFORE FINAL INSTALL. RE: SHEET A-601

| | | | |
|----|---|----|---|
| 1 | NOT USED | 12 | NOT USED |
| 2 | PASS THRU W/ PLEXIGLAS FLAP & STAINLESS STEEL PIANO HINGE. RE: DETAIL 5/A-300 | 13 | AIR COMPRESSOR |
| 3 | PROVIDE 4' X 8' FIRE RETARDANT 3/4" PLYWOOD MOUNTING BOARD FOR ELECTRICAL PANELS | 14 | OIL TANK |
| 4 | SALES COUNTER. RE: DETAIL 1/A-600 | 15 | SERVICE MANAGER COUNTER |
| 5 | TV UNIT - SEE ELECTRICAL DRAWINGS FOR STUB UP LOCATION | 16 | ELECTRICAL METER |
| 6 | 6'-8" HIGH 6" CMU WALL - PROVIDE ROUNDED PARGE AT TOP OF WALL. WALL TO BE BUILT AFTER STORAGE RACK SYSTEM IS INSTALLED. RE: STRUCTURAL DRAWINGS FOR ADDITIONAL INFO. RE: DETAIL 12/A-301 FOR PAINT PATTERN | 17 | GAS METER |
| 7 | 4'-0" HIGH 6" CMU WALL - PROVIDE POINTED PARGE AT TOP OF WALL. WALL TO BE BUILT AFTER STORAGE RACK SYSTEM IS INSTALLED. RE: STRUCTURAL DRAWINGS FOR ADDITIONAL INFO. RE: DETAIL 11/A-301 FOR PAINT PATTERN. | 18 | WINDOW FRAME @ WALL PARTITION TO BE 5" WIDE TO MATCH WIDTH OF INTERIOR WINDOW FRAME RE: 4/A-502 |
| 8 | PROVIDE STUD POST AND BLOCKING @ 8' A.F.F. UP TO ROOF HATCH FOR UPPER LEVEL ROOF ACCESS LADDER. RE: DETAILS ON SHEET A-503. | 19 | IT CABINET (ABOVE, SHOWN DASHED), TO BE PROVIDED & INSTALLED BY OWNER. |
| 9 | PROVIDE TACTILE EXIT SIGN AT DOOR. RE: DETAIL 2/A-100 | 20 | EXPPOSED ENDS OF SPLIT FACE BLOCK SHALL HAVE SPLIT FACE ENDS (TYP.) |
| 10 | DBL. (2) 358 SW16 POST UP TO BOX HEADER | | MICROWAVE & REFRIGERATOR TO BE LOCATED ON RACKING SYSTEM, WHICH IS PROVIDED BY OTHERS. MICROWAVE & REFRIGERATOR OPERABLE PARTS ARE TO BE LOCATED WITHIN 15" AFF TO 48" AFF AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAX. |
| 11 | SOFFIT ABOVE. RE: 3/A-400 | 21 | WATER COOLER BY OTHERS. WATER COOLER OPERABLE PARTS ARE TO BE LOCATED WITHIN 15" AFF TO 48" AFF AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE |

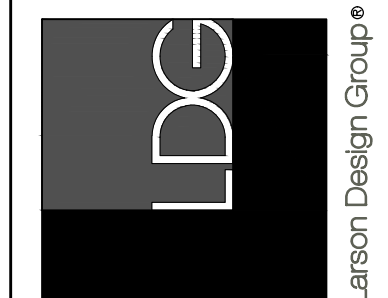


| | |
|---|-------------------|
|  | MASONRY WALLS |
|  | GWB WALLS |
|  | DOOR NO. |
|  | WALL TYPE |
|  | FIRE EXTINGUISHER |

ADA TACTILE EXIT SIGN- 5"x3" ACCESSIBLE EXIT -
SIGNS WITH TACTILE TEXT AND GRADE 2 BRAILLE.
MOUNT @ 60" OC AFF. SIGNS SHALL BE LOCATED
PER SECTION 1013.4 OF IBC.

EXIT

A-100 SCALE: NTS

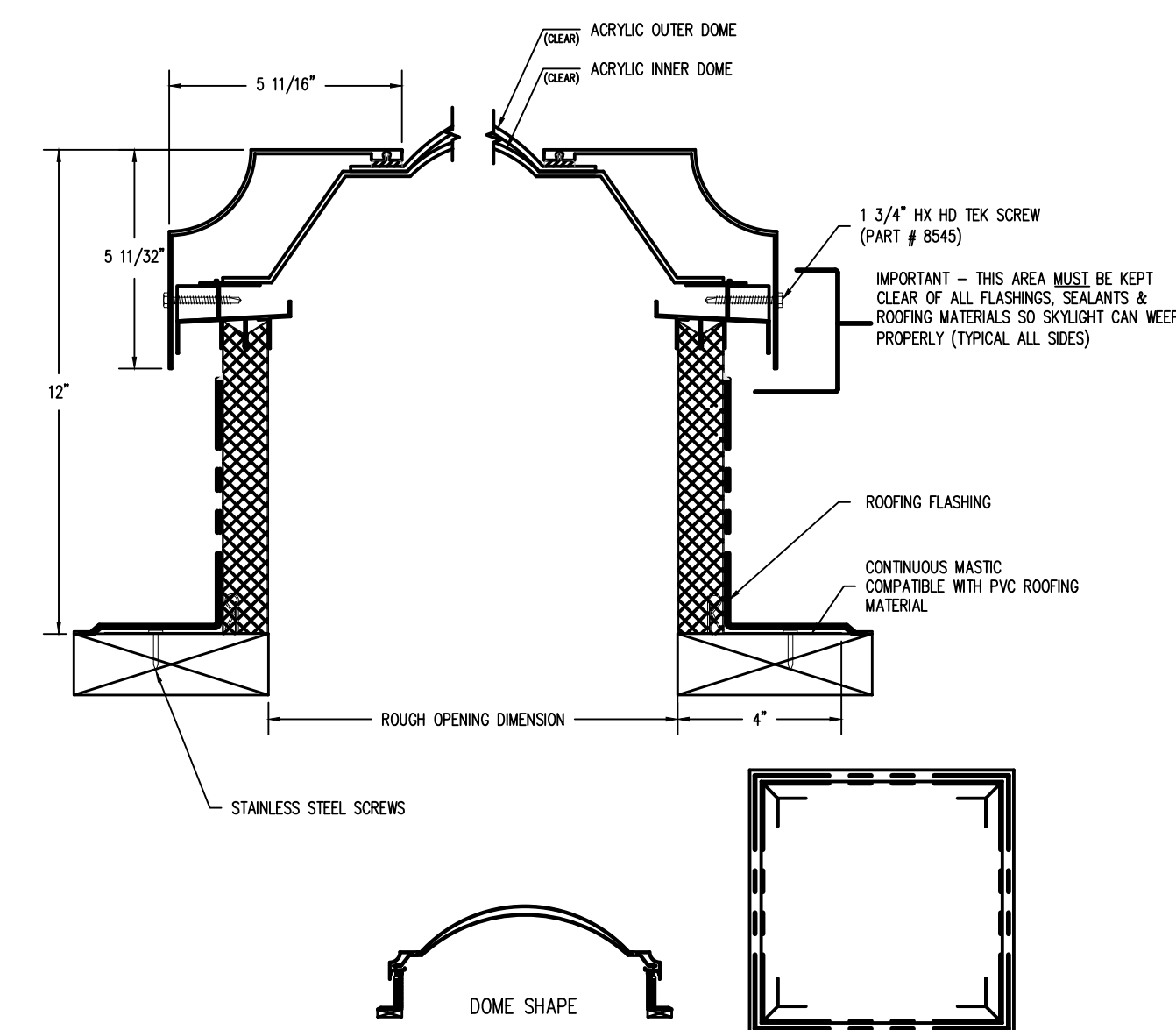
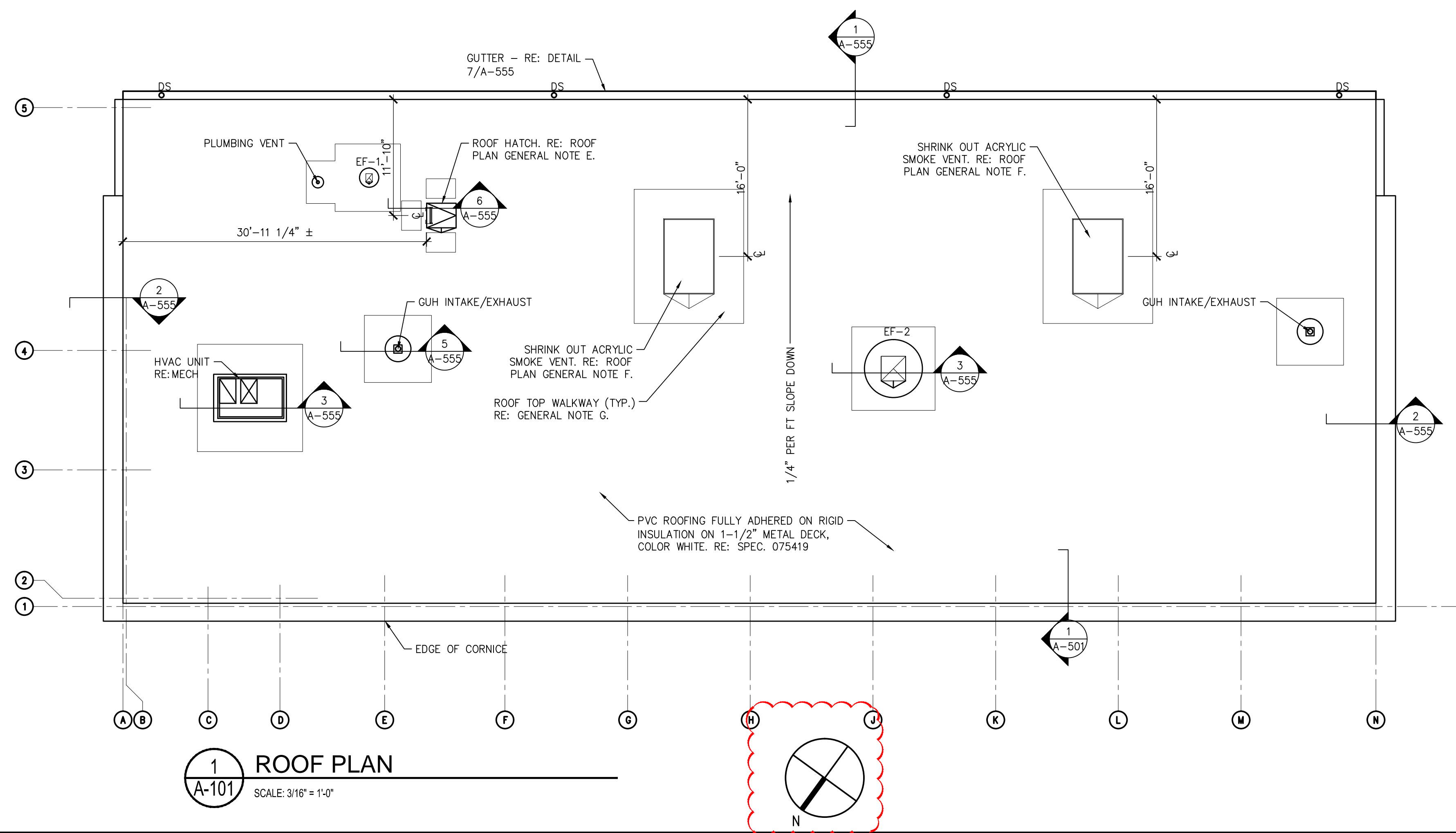
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|--|---|
| MAVVIS TIRE SUPPLY, LLC 3538 SAW MILL RIVER ROAD MILLWOOD, NY 10548 PHONE (914) 984-2500 PHONE (914) 984-2500 | Larson Design Group • Architects Engineers Surveyors 1000 Commerce Park Drive • Suite 201 Williamsport, PA 17701 PHONE 570.323.6603 TOLL FREE 877.323.6603 FAX 570.323.9902 • www.larsondesigngroup.com |
|--|---|

SHEET NO.:
A-101
PROJECT NO.: XXXX-XXX

| | |
|----|--|
| A. | RE: TYPICAL ROOFING DETAILS ON SHEET A-555 |
| B. | GENERAL CONTRACTOR TO COORDINATE EXACT ROOF EQUIPMENT LOCATIONS AND LAYOUT W/ HVAC EQUIPMENT REQUIREMENTS. |
| C. | GUTTER SIZE SHALL BE 6" W x 4" D WITH 5" RECTANGULAR DOWNSPOUTS U.O.N. |
| D. | DOWNSPOUTS TO DISCHARGE ONTO PLASTIC SPLASH BLOCKS. |
| E. | ROOF HATCH TO BE 30"x36" ALUMINUM HATCH MODEL S-20 W/ SAFETY POST BY BILCO (THERMALLY BROKEN.) COORDINATE FINAL LOCATION WITH ROOF JOISTS, RACKING PLAN, AND ACCESS LADDER LOCATION. |
| F. | SHRINK OUT ACRYLIC SMOKE VENT TO BE 60"W X 90"; MODEL F506696 BY WMSCO-YELUX. SET VENT ON 12" CURB. COORDINATE FINAL LOCATION WITH ROOF JOISTS. FLASH AND SEAL IN ACCORDANCE WITH METAL ROOF MANUFACTURER'S RECOMMENDATIONS. |
| G. | ROOF TOP WALKWAY TO BE PLACED AROUND ALL ROOF TOP EQUIPMENT. |

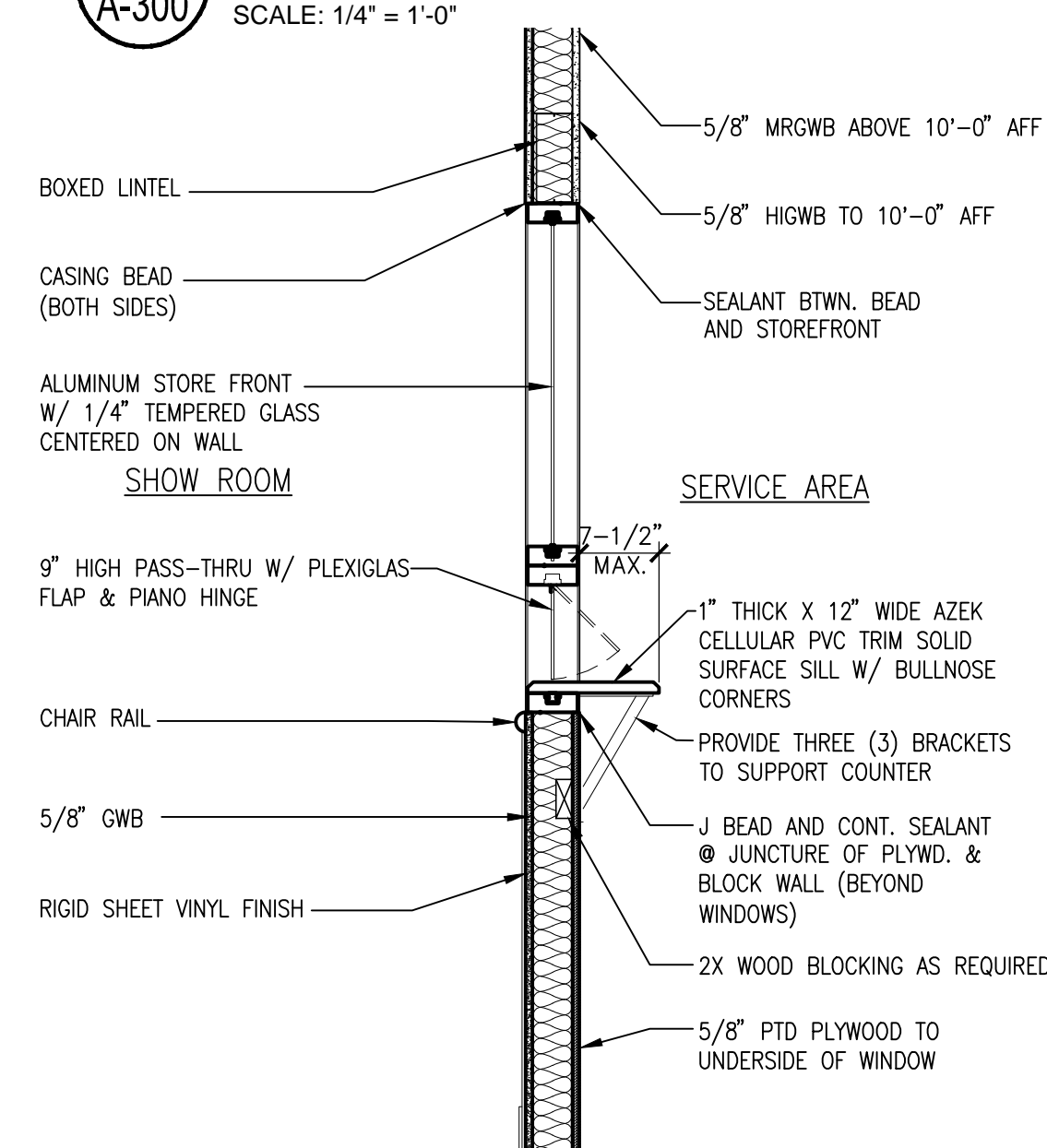
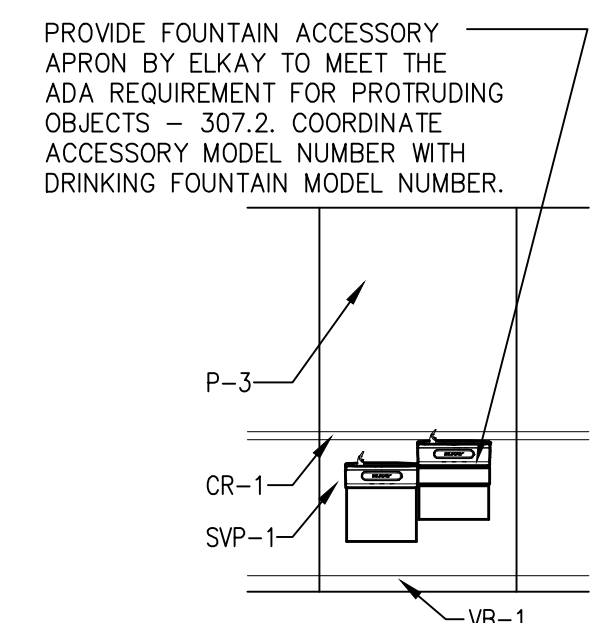
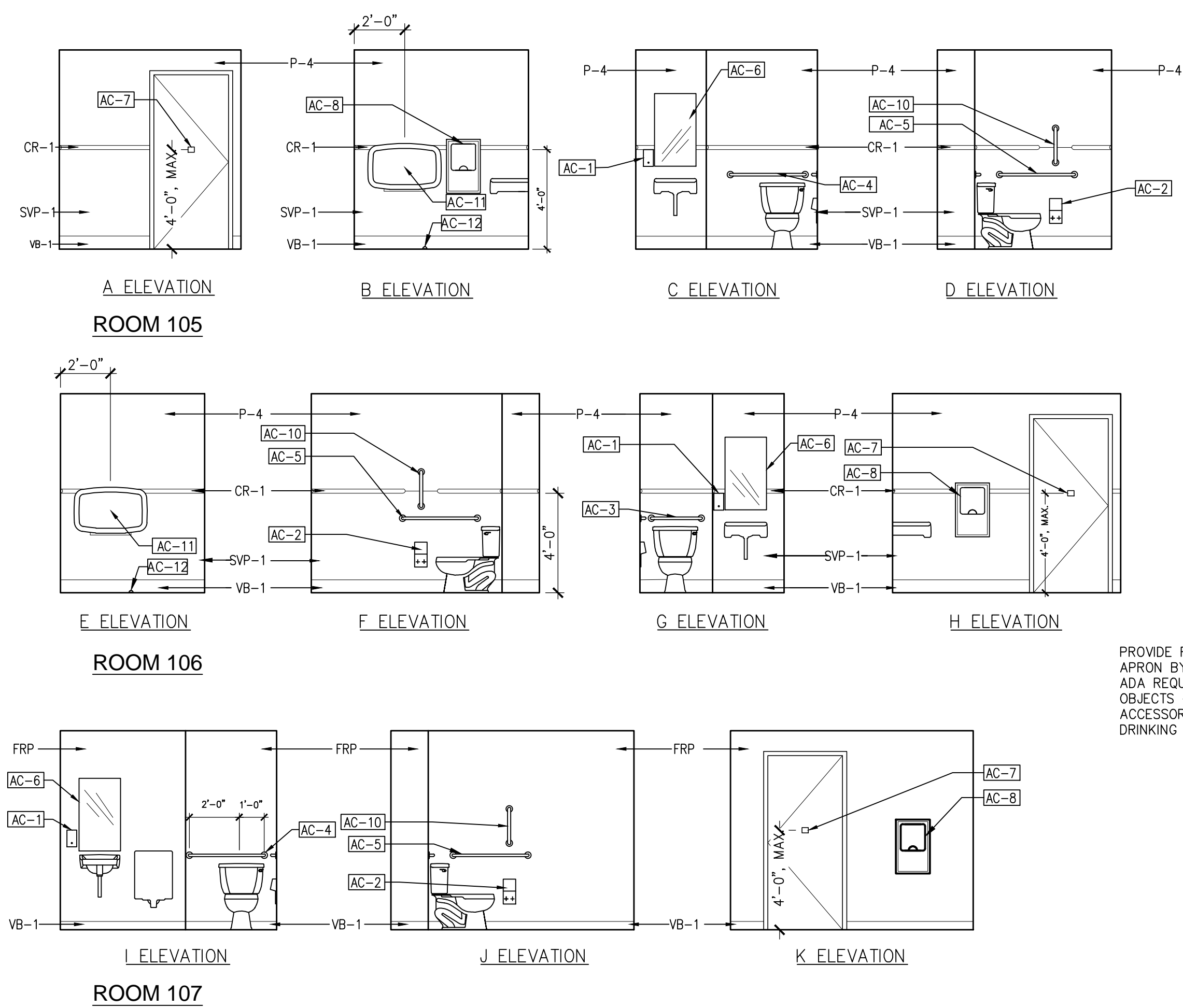
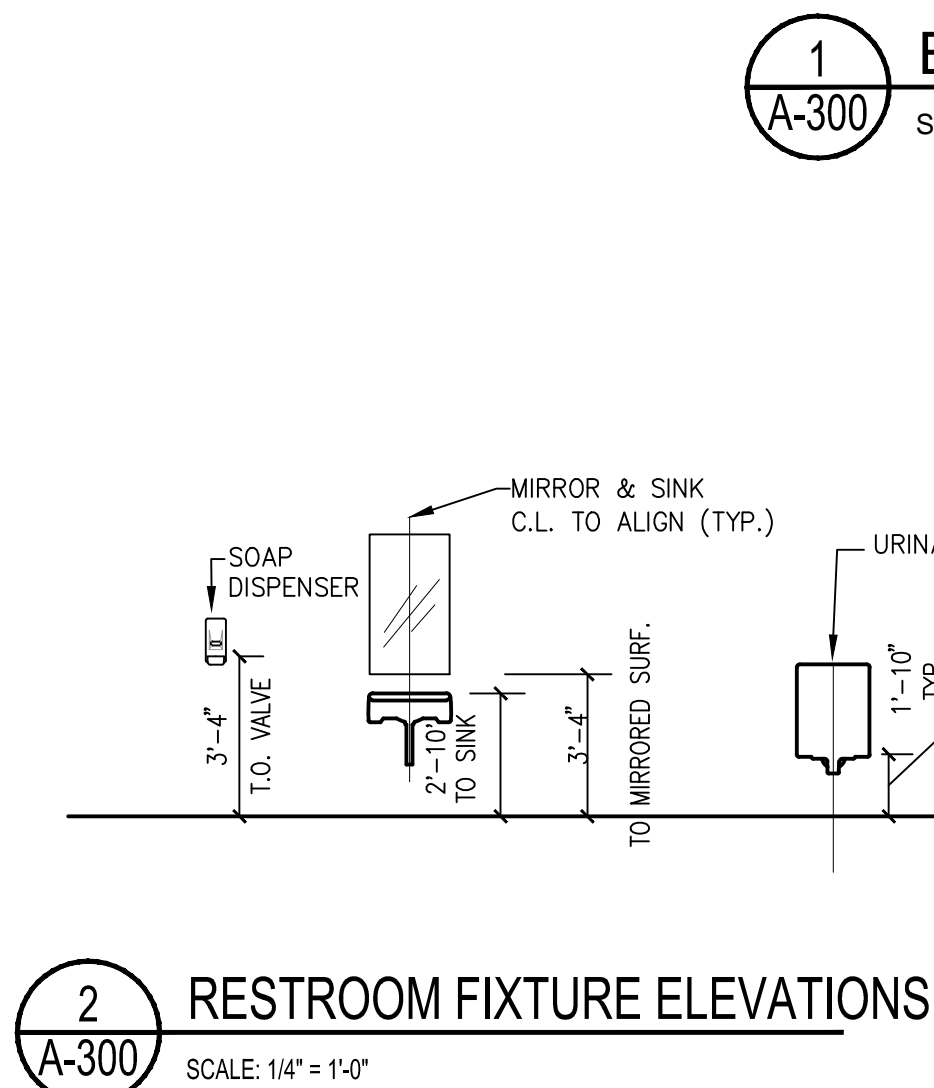
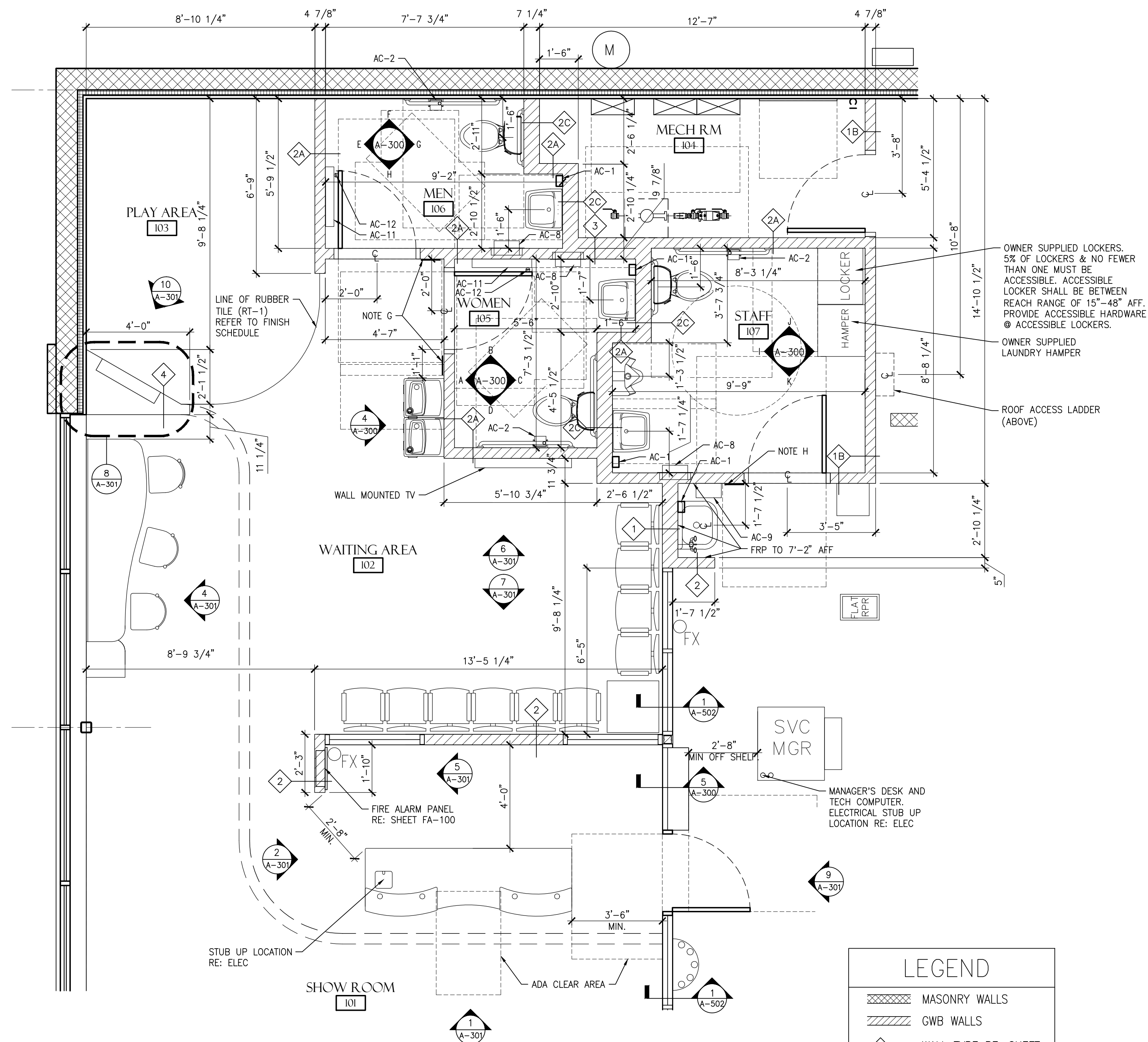
 GUTTER AND DOWNSPOUT COORDINATE EXACT LOCATION W/ EXTERIOR ELEVATIONS
 WALL BELOW
 CRICKET (SLOPE EACH SIDE 1/4" PER FT)



SMOKE VENT DETAIL

PROJECT NO.: XXXX-XXX

PROJECT NO.: XXXX-XXX

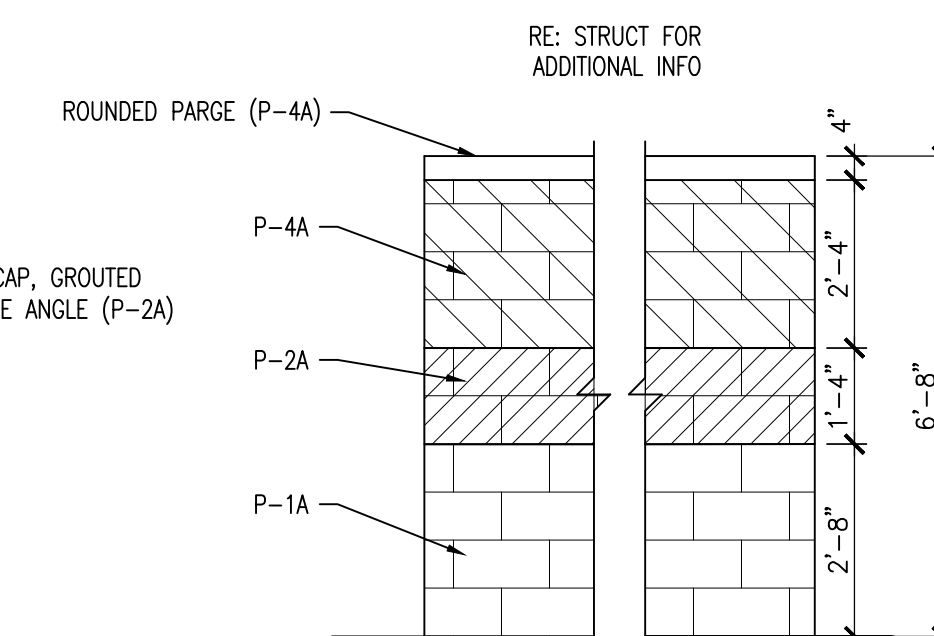
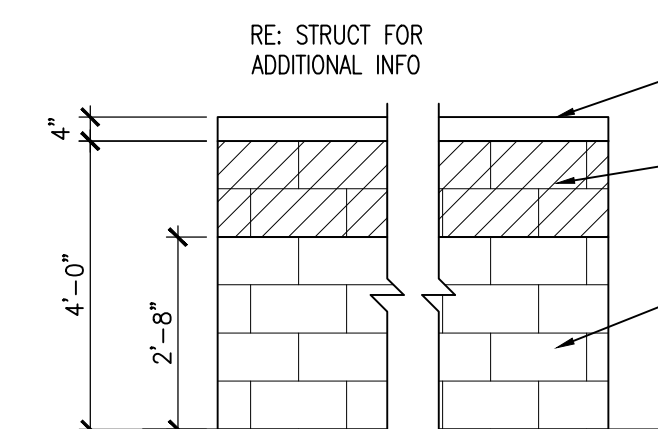
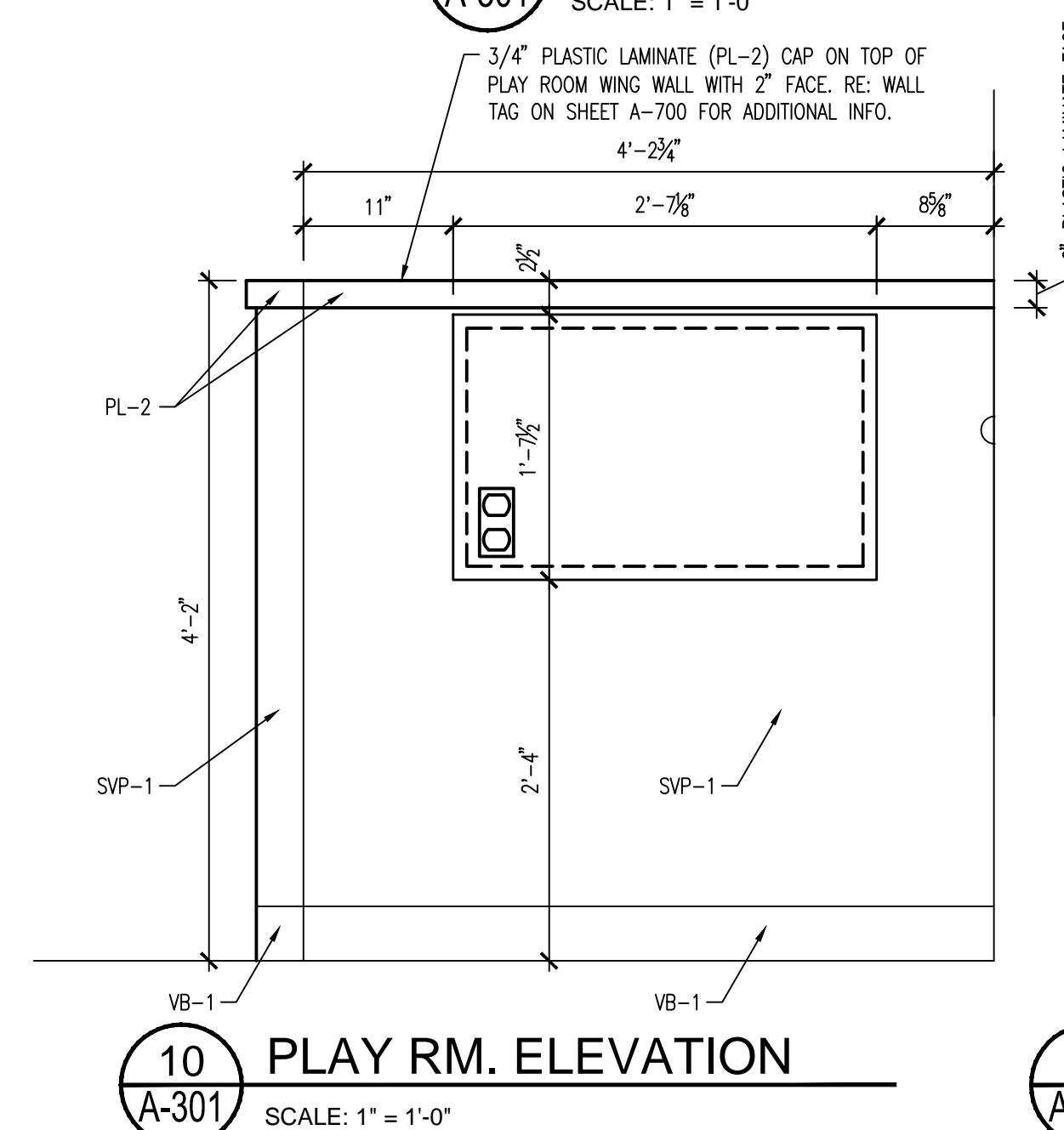
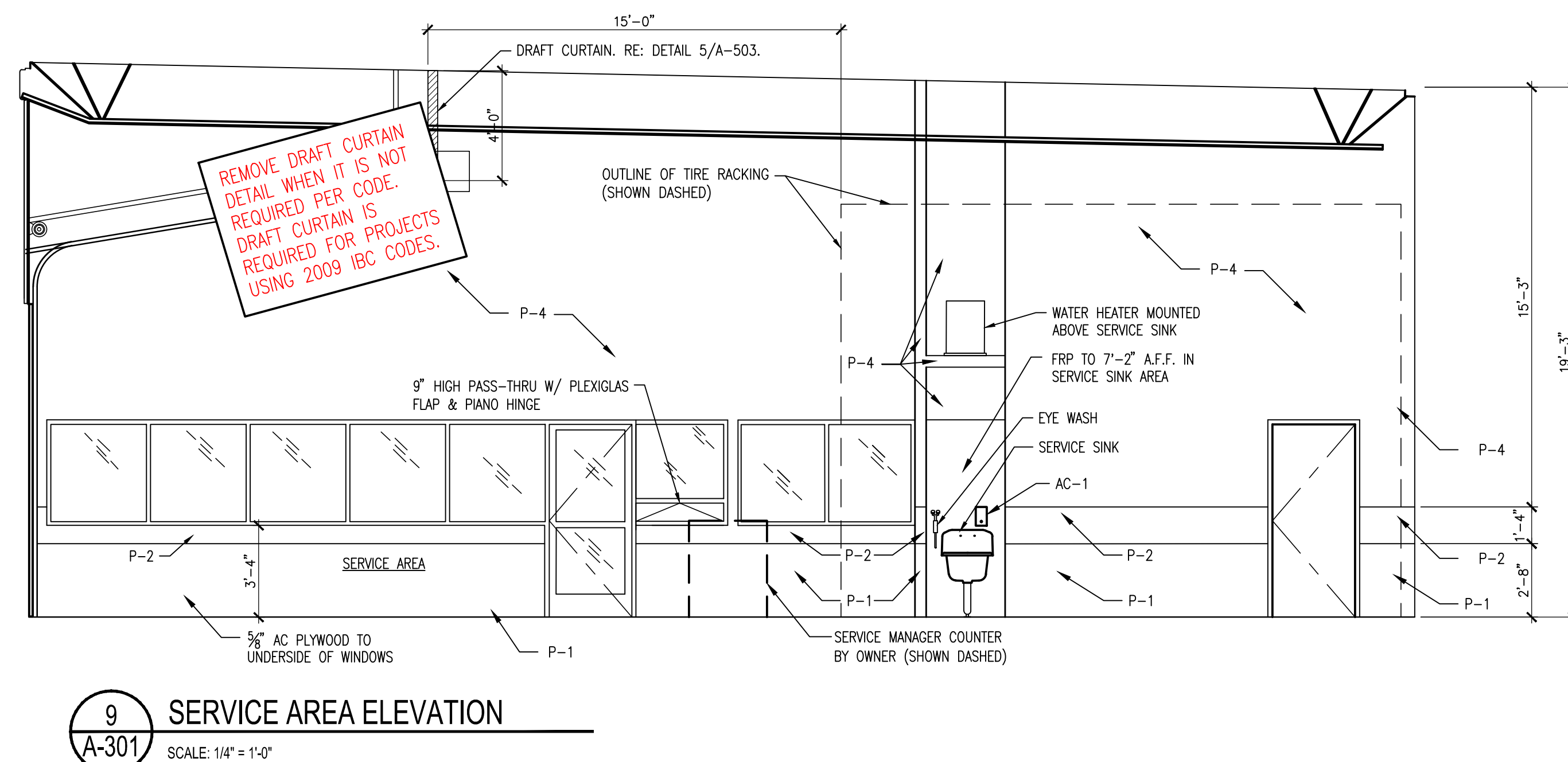
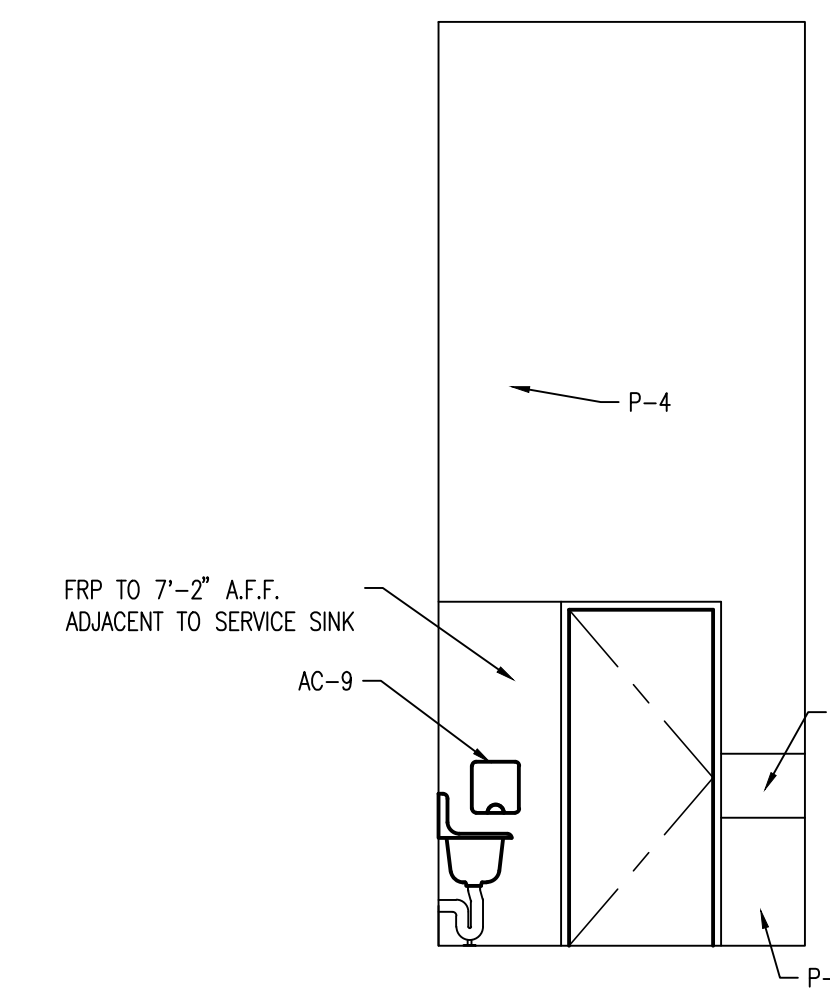
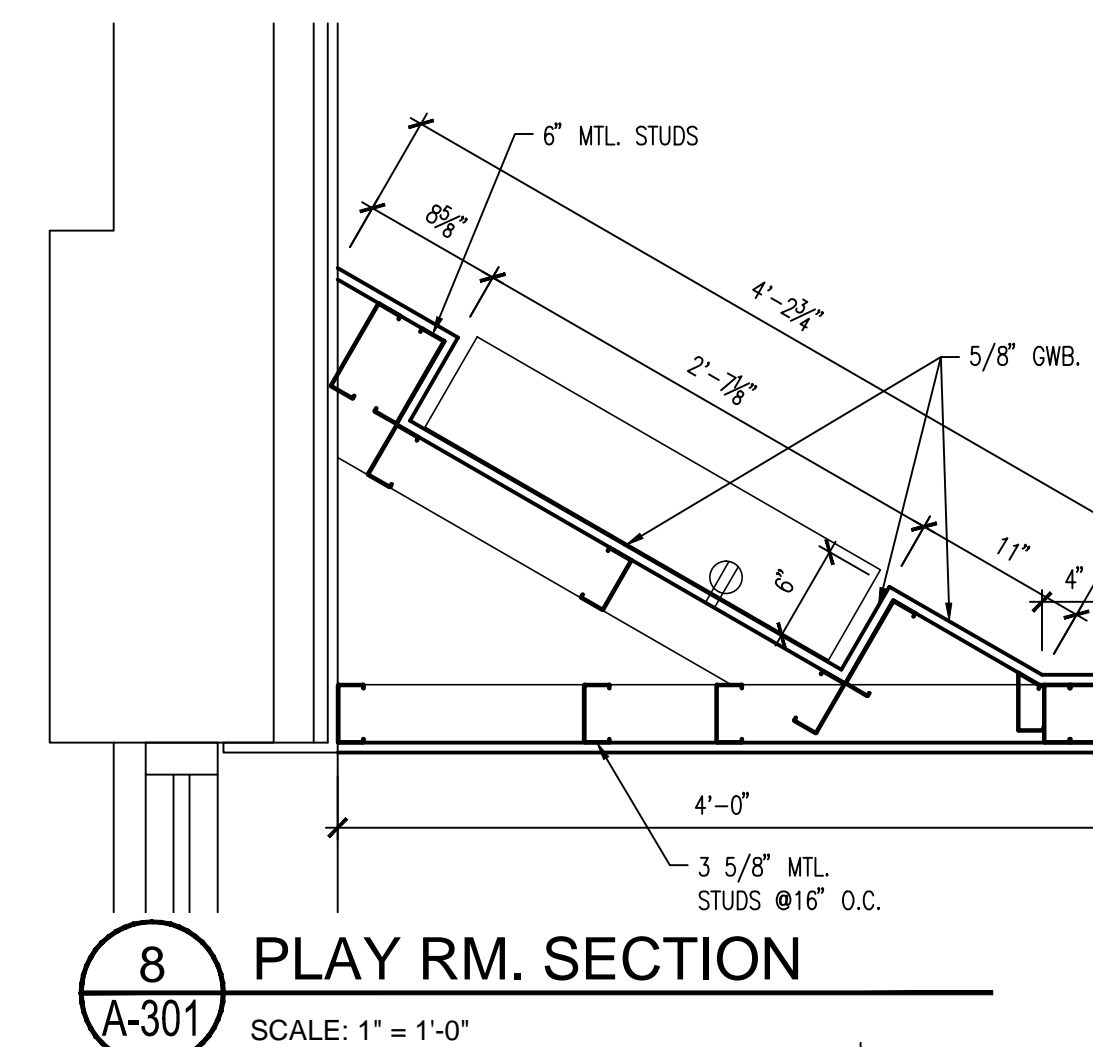
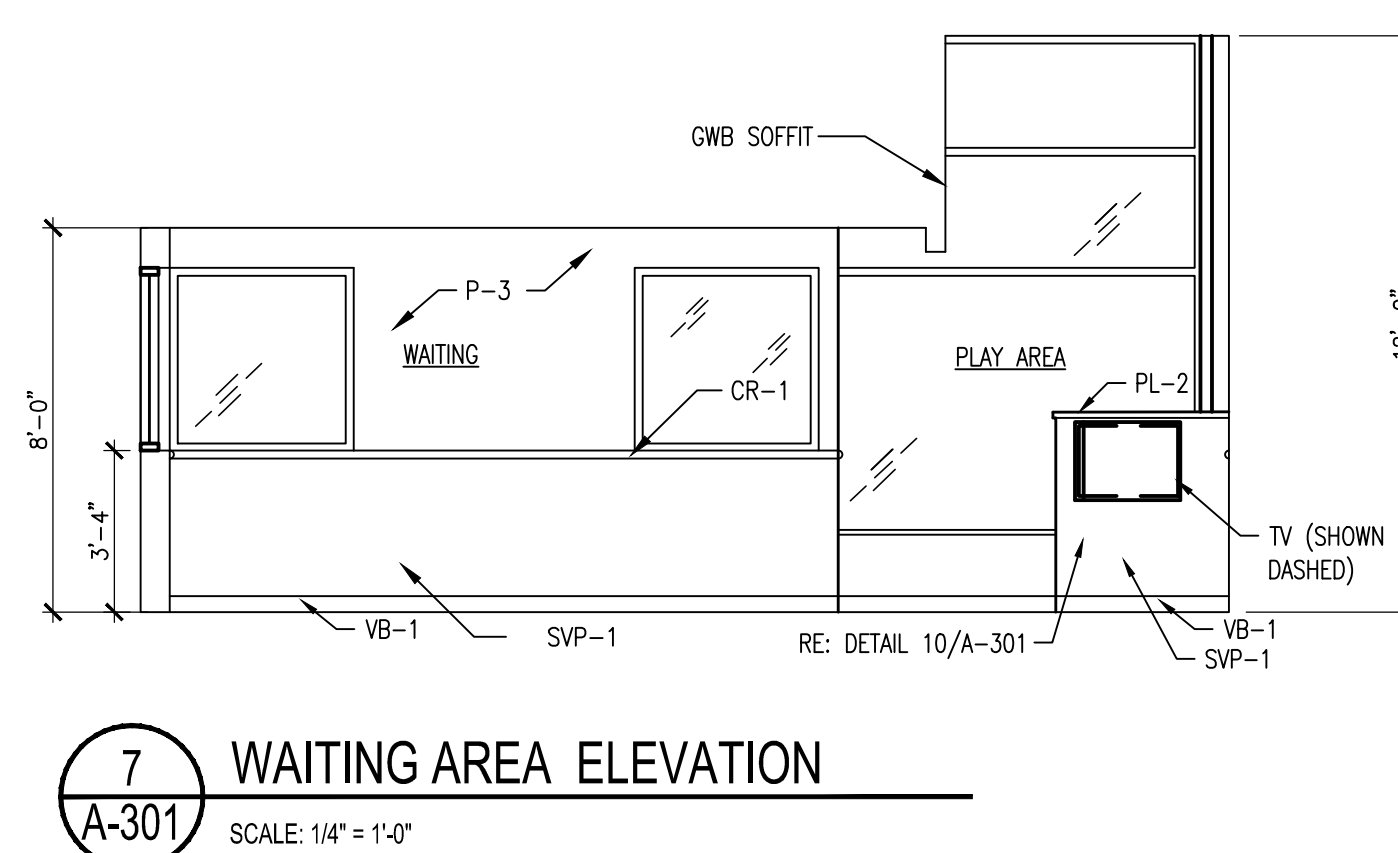
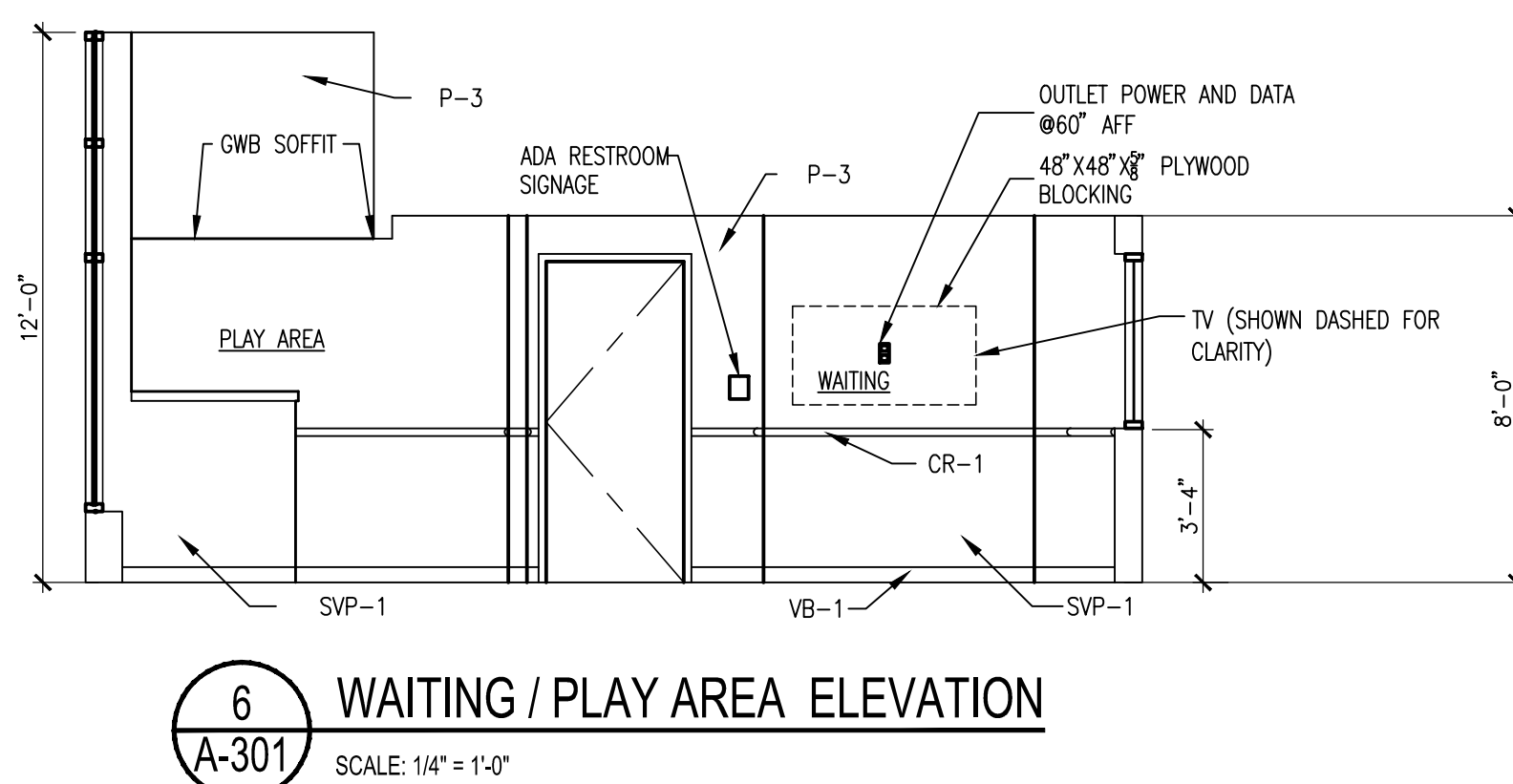
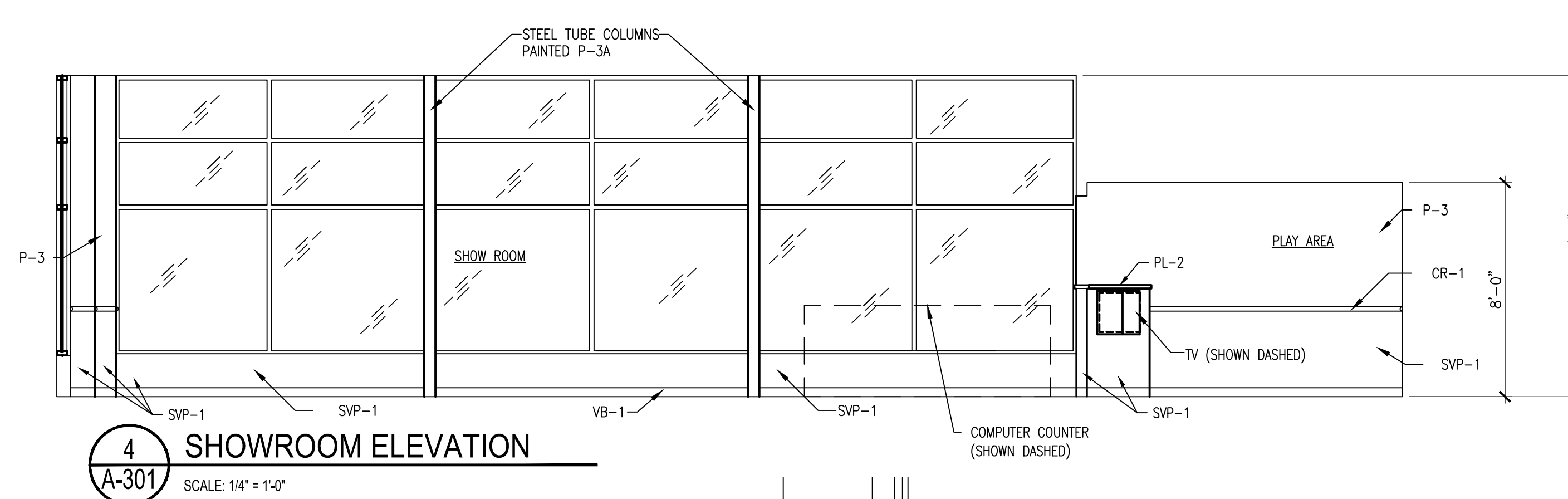
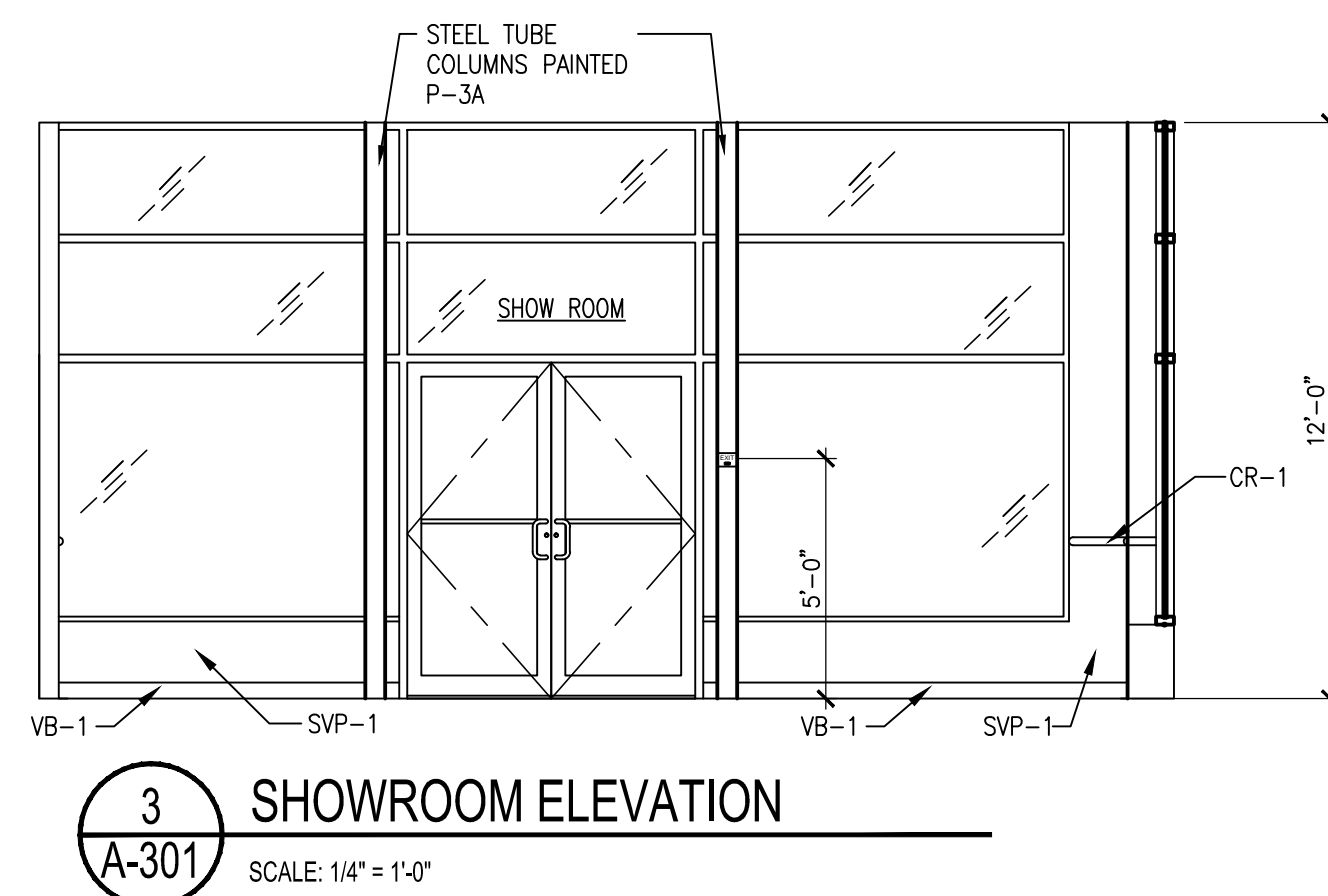
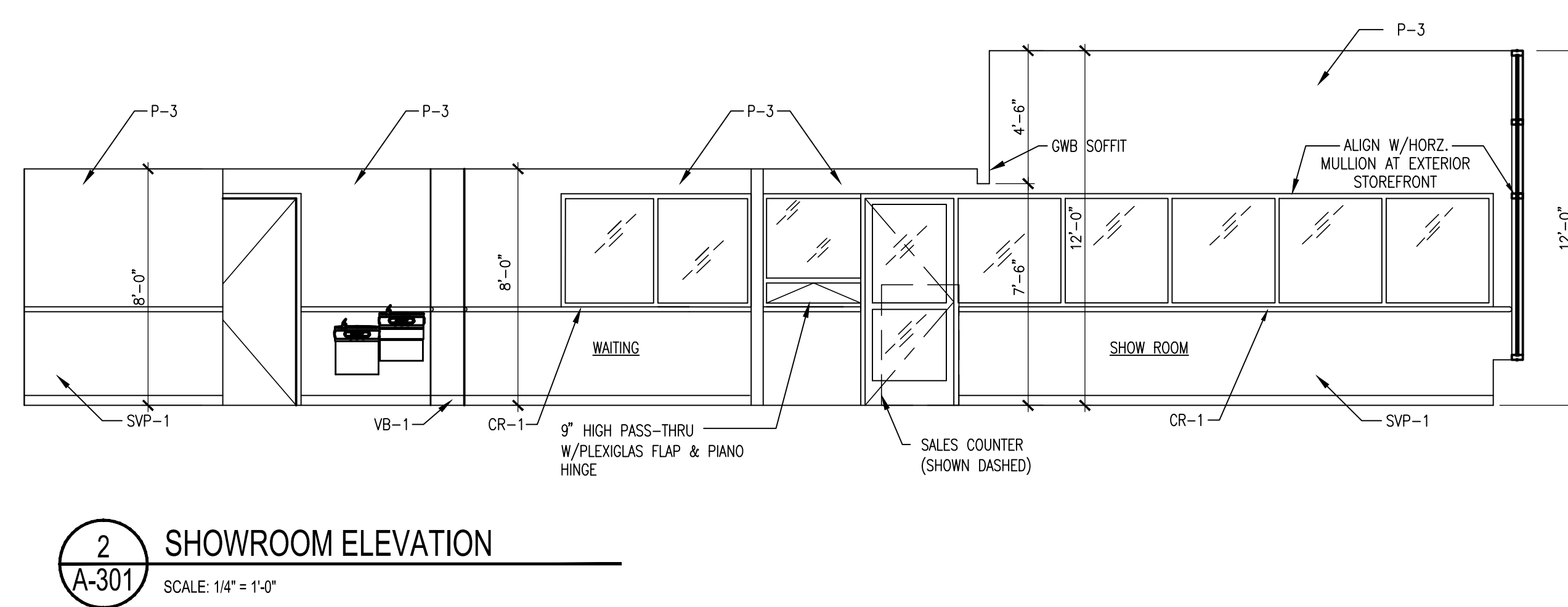
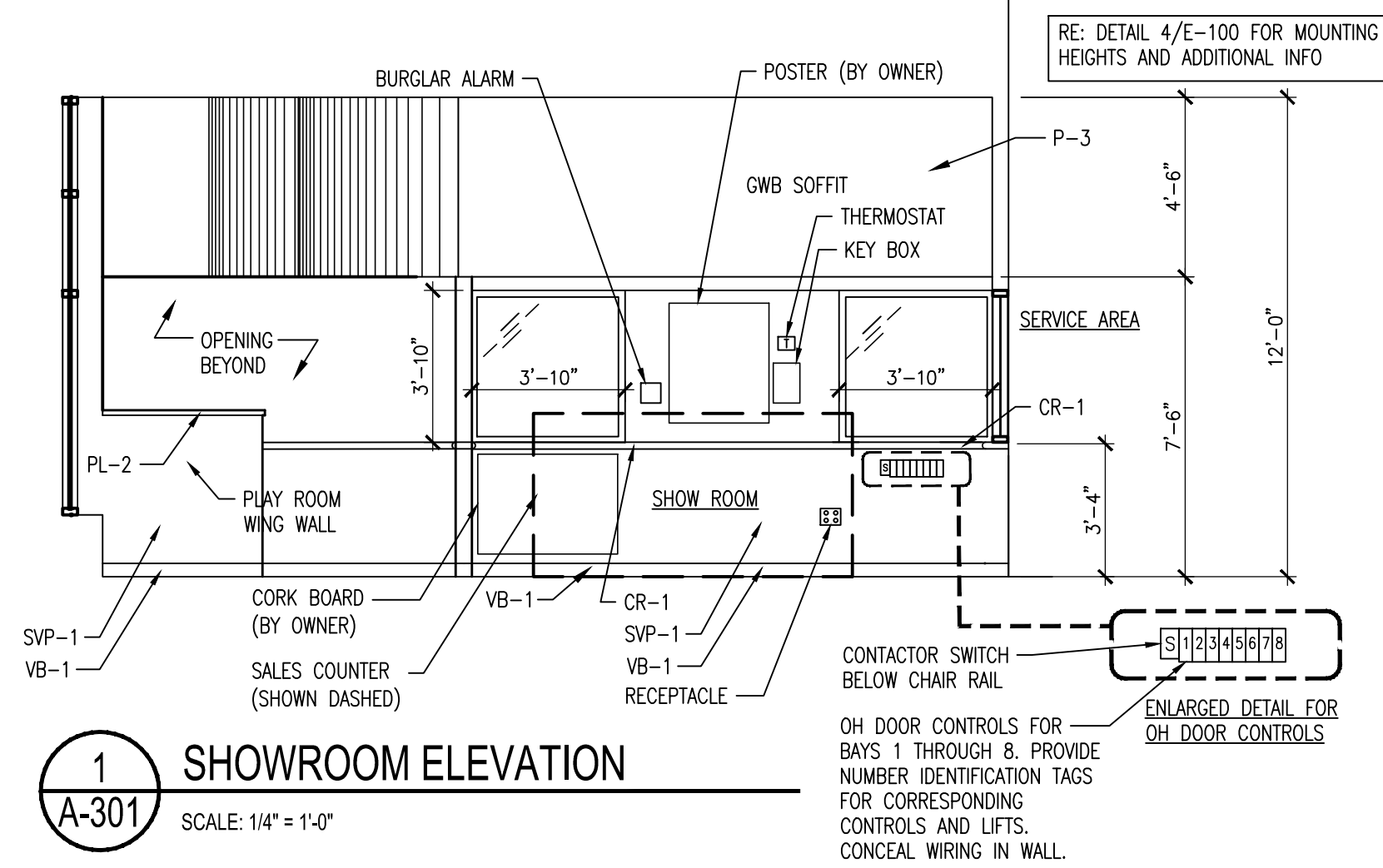


| TYP. FIXTURE / ACCESSORY SCHEDULE | | |
|-----------------------------------|--|---|
| NO. | ACCESSORY/SIZE | MANUF./MODEL #/FINISH |
| <u>AC-1</u> | SURFACE MTD. VERTICAL LIQUID SOAP DISPENSER | OWNER SUPPLIED AND CONTRACTOR INSTALLED |
| <u>AC-2</u> | SURFACE MTD. TWIN TOILET TISSUE DISPENSER | OWNER SUPPLIED AND CONTRACTOR INSTALLED |
| <u>AC-3</u> | 24" STAINLESS STEEL GRAB BAR | ASI/3700 – 24" |
| <u>AC-4</u> | 36" STAINLESS STEEL GRAB BAR | ASI/3700 – 36" |
| <u>AC-5</u> | 42" STAINLESS STEEL GRAB BAR | ASI/3700– 42" |
| <u>AC-6</u> | CHANNEL FRAME MIRROR – 18"W x 36"H | ASI/0620 |
| <u>AC-7</u> | HEAVY DUTY CLOTHES HOOK | ASI/8425 |
| <u>AC-8</u> | HAND DRYER BY EXCEL DRYER, WITH ADA COMPLIANT RECESSED CABINET KIT | EXCEL / XL-BW WITH ADA COMPLIANT RECESSED CABINET KIT |
| <u>AC-9</u> | HAND DRYER BY EXCEL DRYER, SURFACE MOUNTED WITH MOUNTING PLATE | EXCEL / XL-BW |
| <u>AC-10</u> | 18" STAINLESS STEEL VERTICAL GRAB BAR | ASI/3700-18" |
| <u>AC-11</u> | BABY CHANGING STATION – KOALA KARE | KB-200-01 GREY |
| <u>AC-12</u> | FLOOR MOUNTED DOME DOOR STOP | ROCKWOOD / 52HU26 / 440.26D / SATIN CHROME |

NOTES: ASI-AMERICAN SPECIALTIES INC.

GENERAL NOTES:

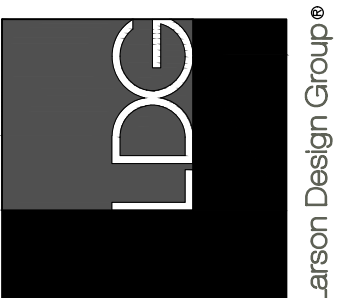
- A. PROVIDE BLOCKING FOR GRAB BARS AS REQUIRED TO RESIST 250 LB. FORCE IN ANY DIRECTION. (TYP.)
- B. PROVIDE PVC PIPE AND SHUT-OFF VALVE ENCLOSURES, FOR ALL EXPOSED PIPING/VALVES W/ TRUEBRO LAV GUARD2 #103 E-Z.
- C. ALL BATHROOM ACCESSORIES TO BE STAINLESS STEEL WITH SATIN FINISH.
- D. PROVIDE PAINTED WOOD SPACER BEHIND MIRRORS AND OTHER ACCESSORIES ABOVE SHEET VINYL PROTECTION TO FILL GAP BETWEEN MIRROR FRAME AND GWB. COLOR TO MATCH WALL.
- E. PROVIDE LAVATORY PIPE/VALVE AND TRAP INSULATION PER ADA.
- F. ADA COMPLIANT DOOR AND HARDWARE PER DOOR SCHEDULE ON SHEET A-700
- G. ADA COMPLIANT TACTILE SIGN CONSISTING OF PICTOGRAM, ROOM NAME AND BRAILLE. MOUNT BETWEEN 48" & 60" AFF.
- H. ADA COMPLIANT TACTILE SIGN CONSISTING OF UNISEX PICTOGRAM, ROOM NAME, AND BRAILLE. MOUNT BETWEEN 48" & 60" AFF.
- I. REFER TO SHEET A-700 FOR WALL TYPES.
- J. REFER TO SHEET P-001 FOR PLUMBING FIXTURE SCHEDULE.



NOTE: INTERIOR FINISH SCHEDULE
FOUND ON SHEET A-701.

MAR 11 2019

8-BAY SINGLE SIDED
(LEFT SIDE)

[illegible]

INTERIOR ELEVATIONS

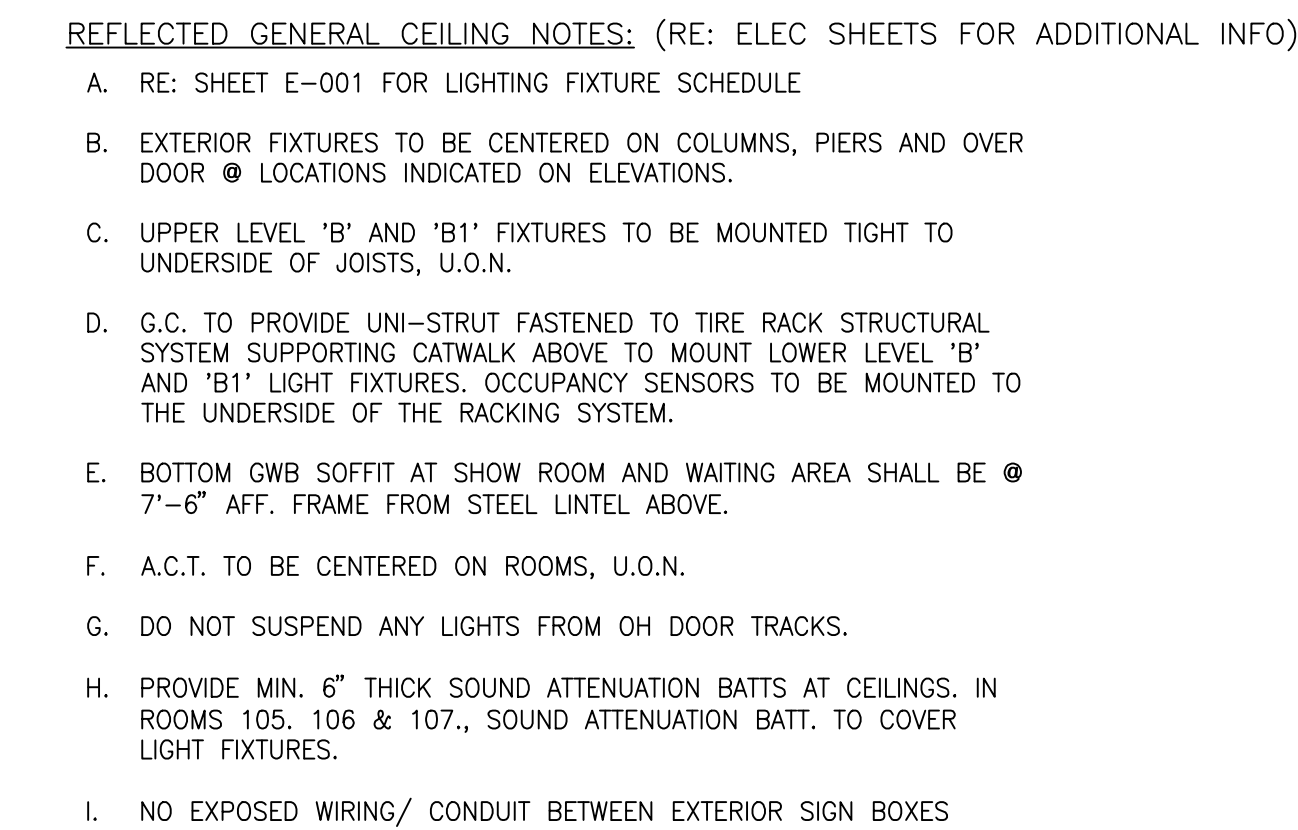
MAVVIS DISCOUNT TIRE #X - CITY, STATE

Larson Supply, LLC
10000 S. RIVER ROAD
Y 10546
984-2500

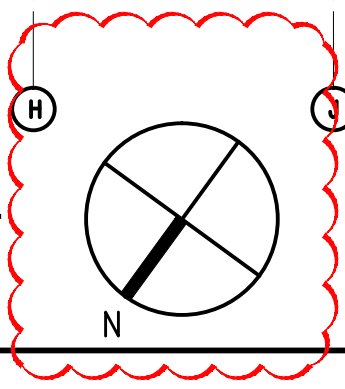
Larson Design Group • Architects Engineers
10000 Commerce Drive • Suite 201
Willard, OH 44094
TOLL FREE 877 323 3263
PHONE 570 323 6603
FAX 570 323 9902

www.larsondesigngroup.com

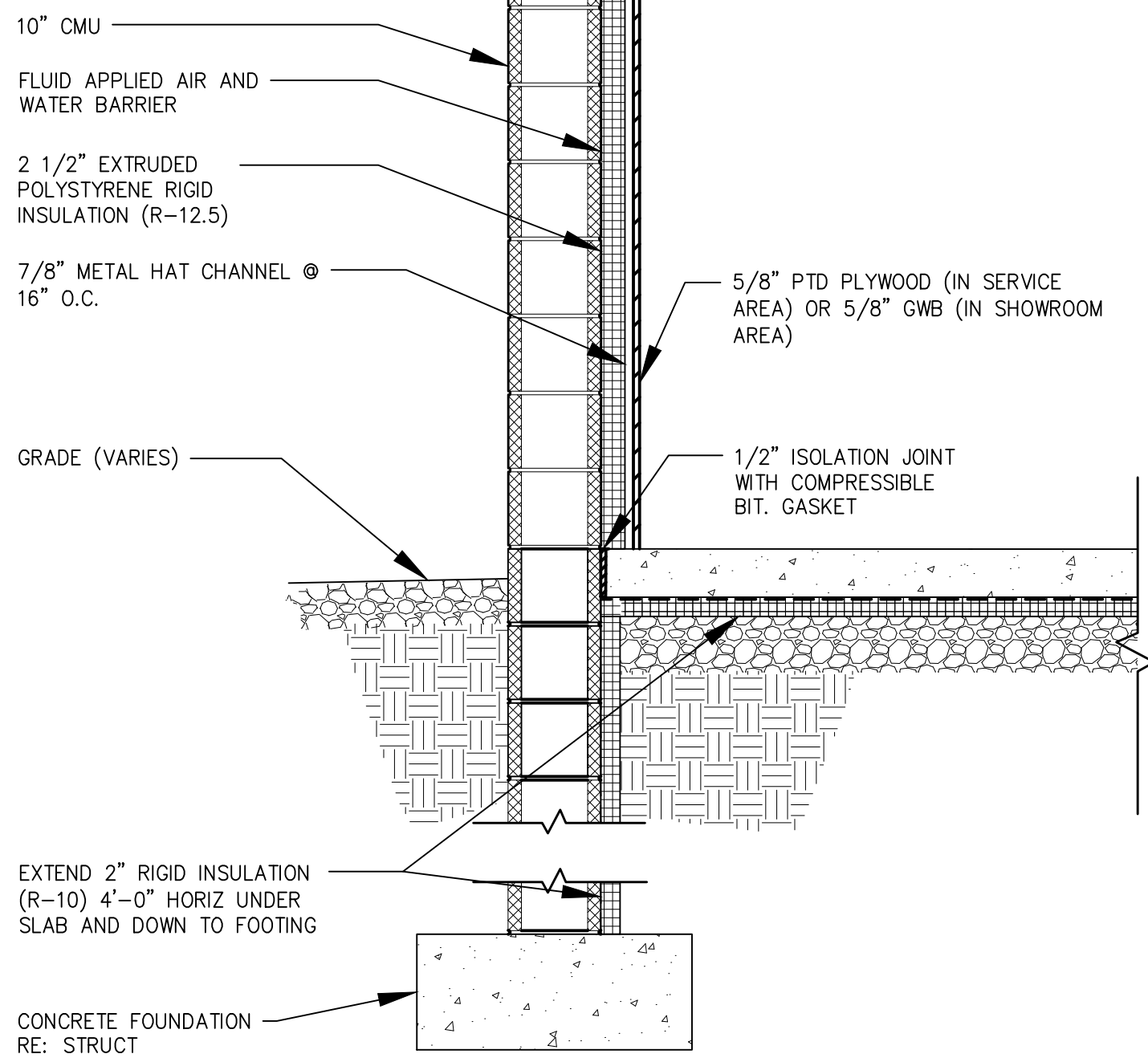
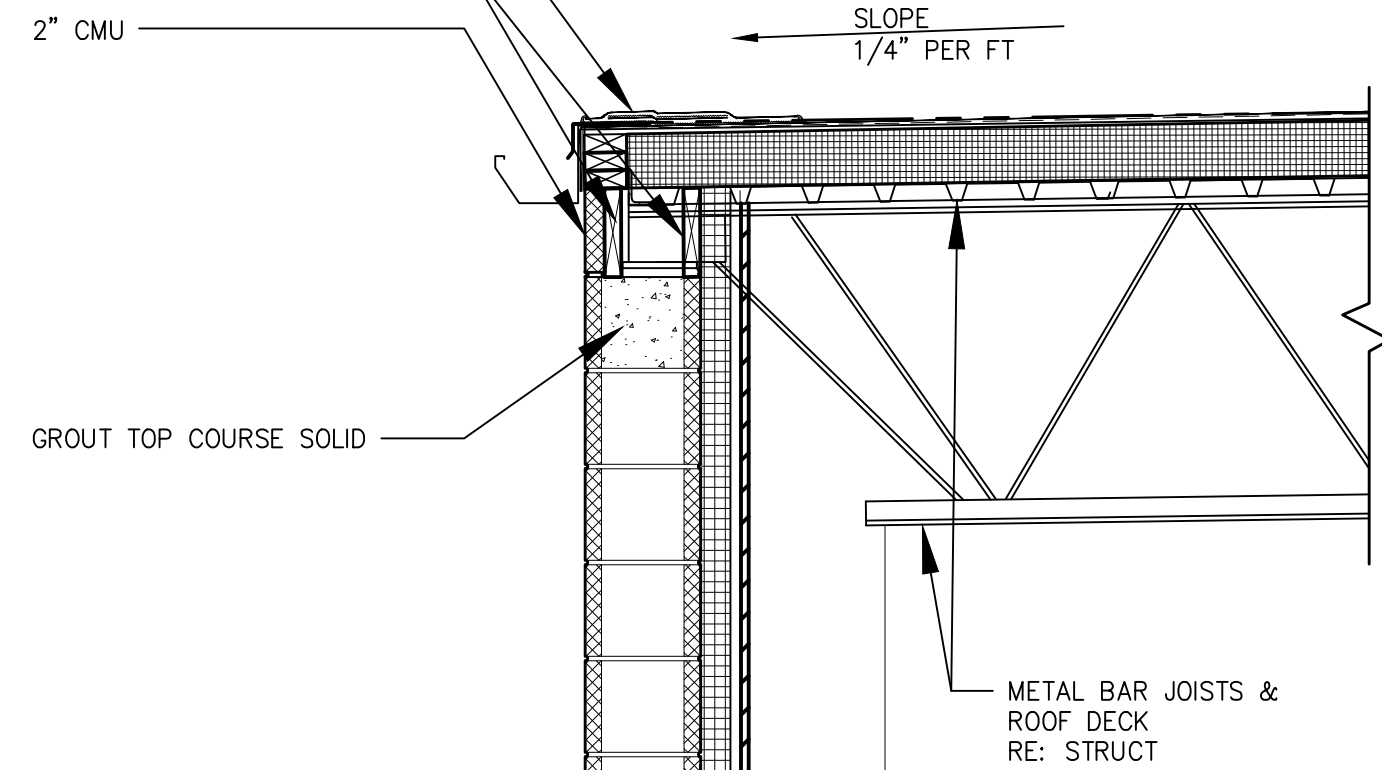
SHEET NO.:
A-301
 PROJECT NO.: XXXX-XXX



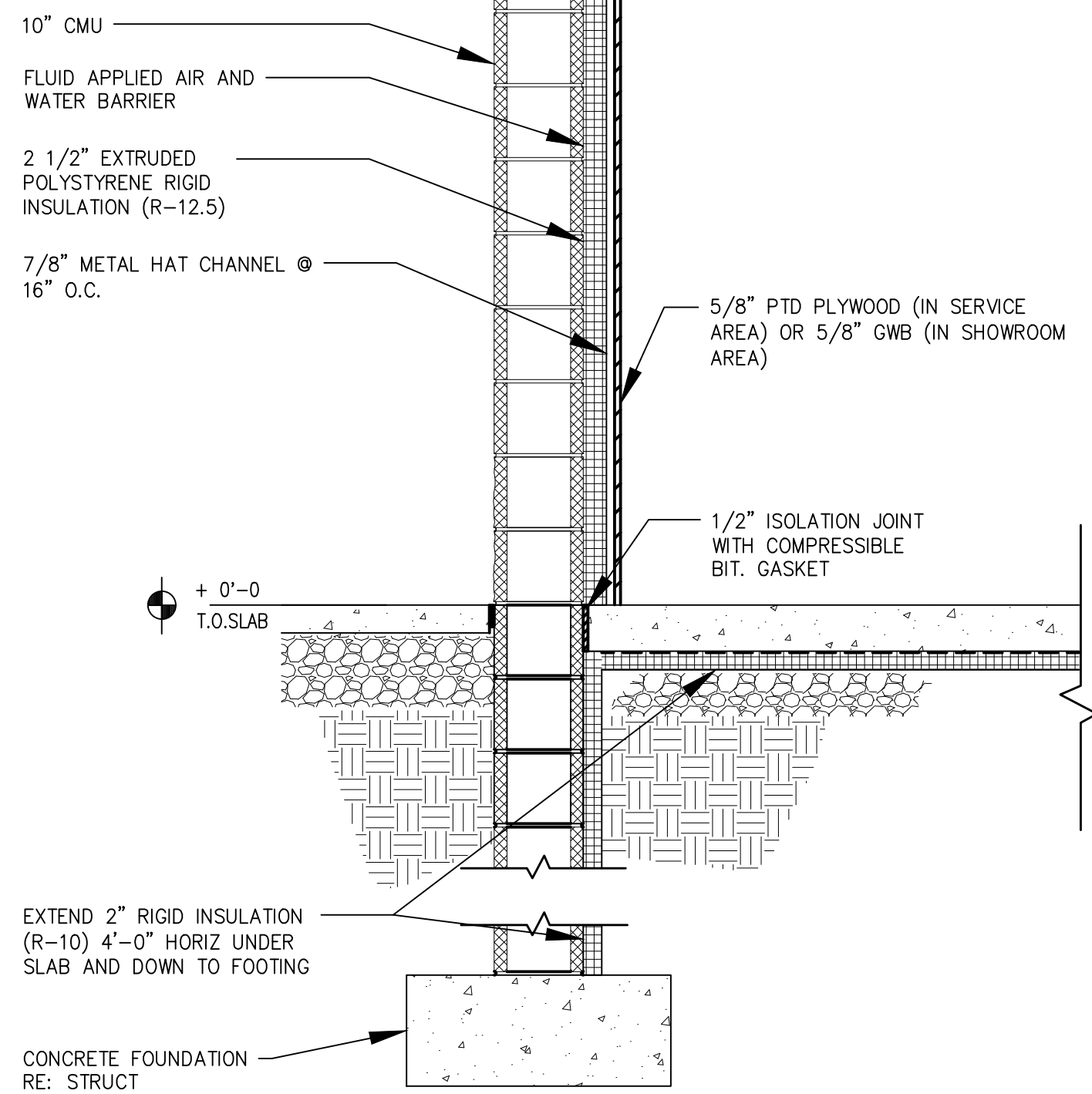
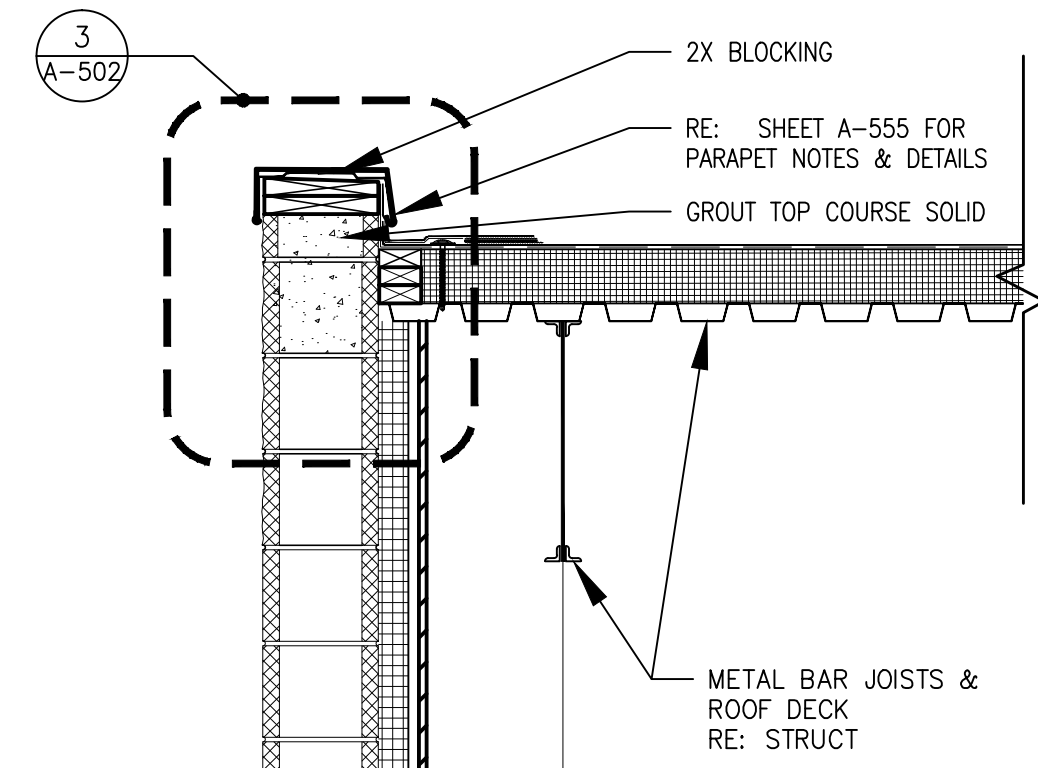
1 LOWER LEVEL REFLECTED CEILING PLAN
A-400 SCALE: 1/8" = 1'-0"



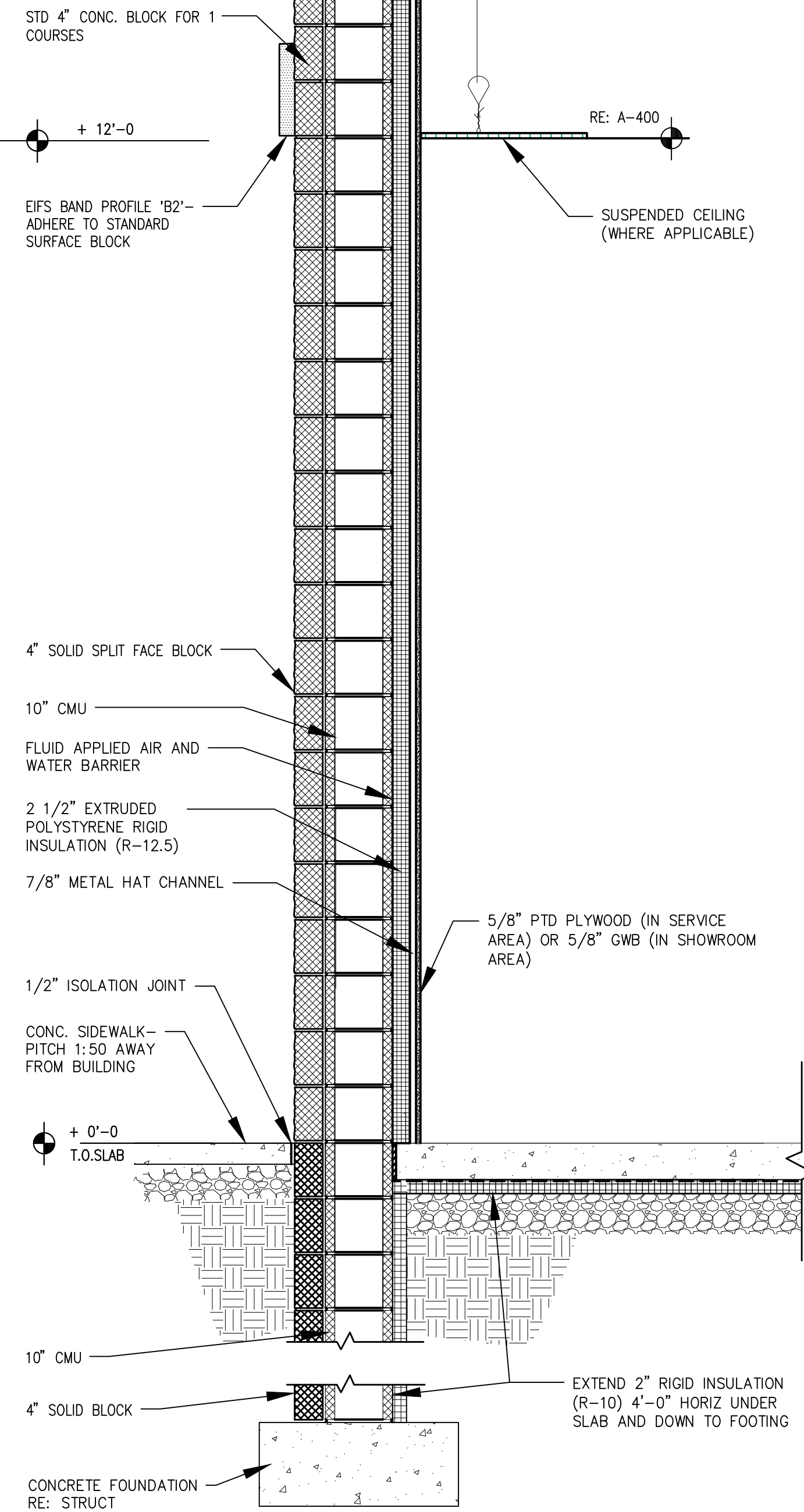
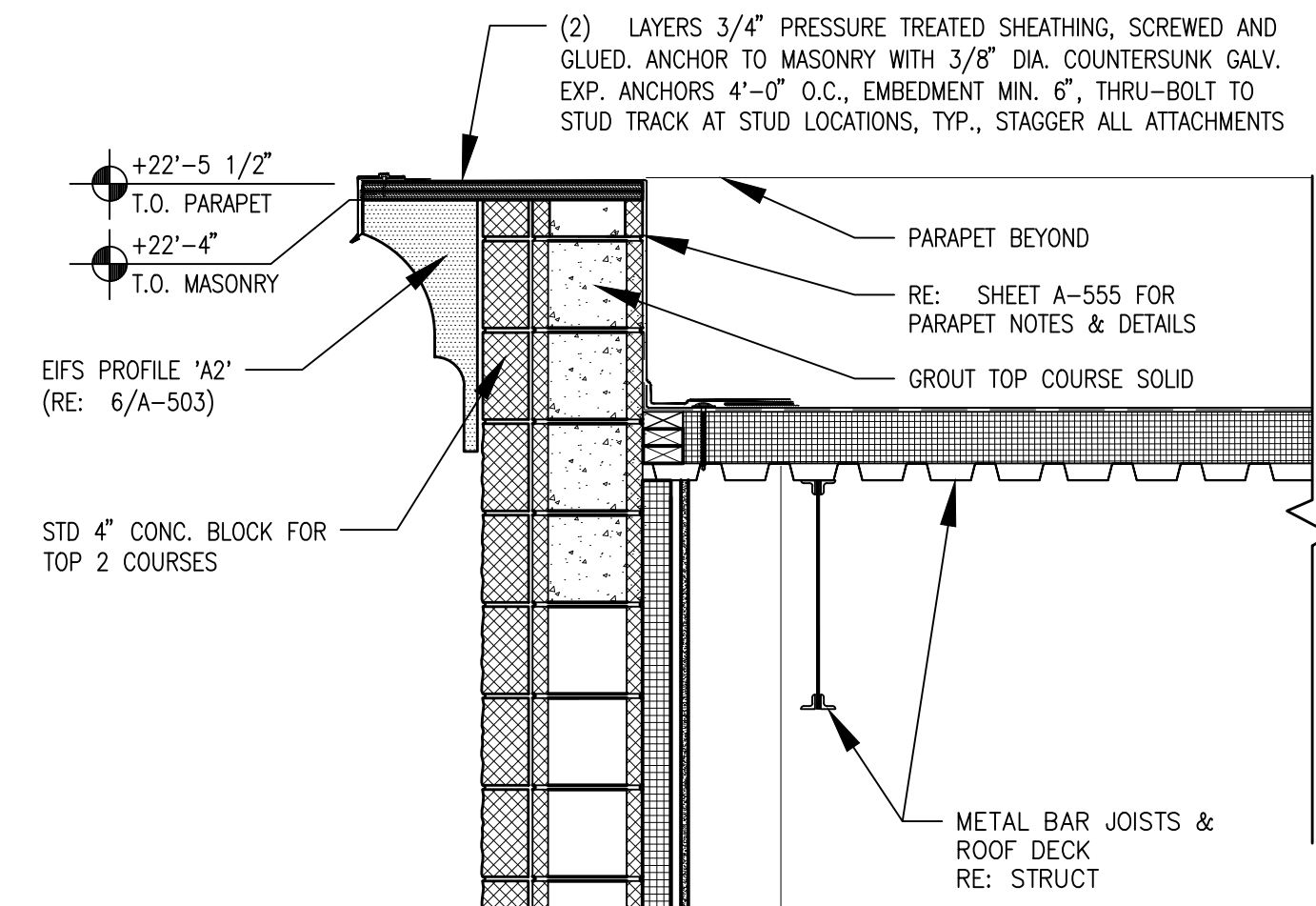
RE: SHEET A-555 FOR
PARAPET NOTES & DETAILS
2X SOLID BLOCKING



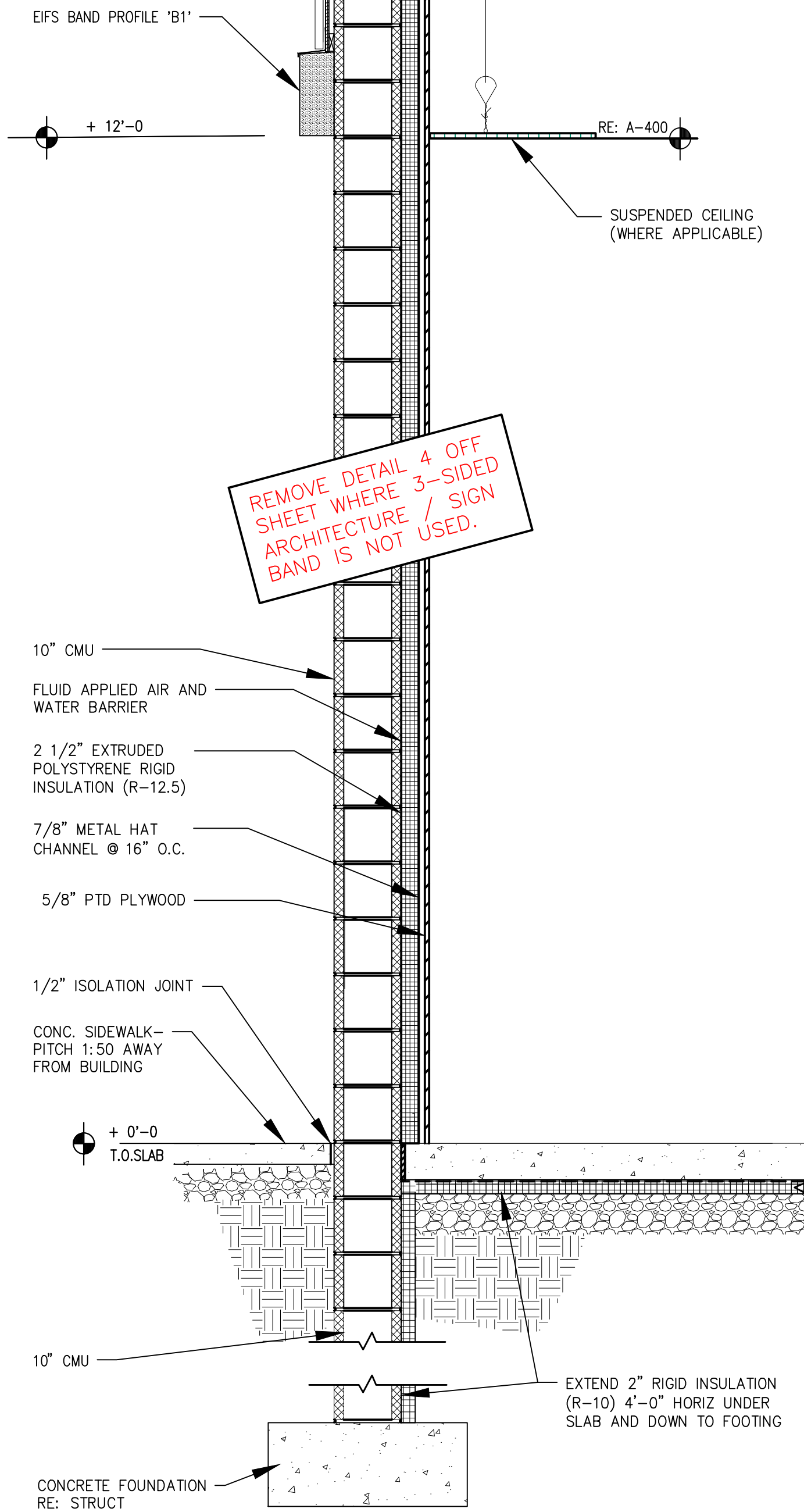
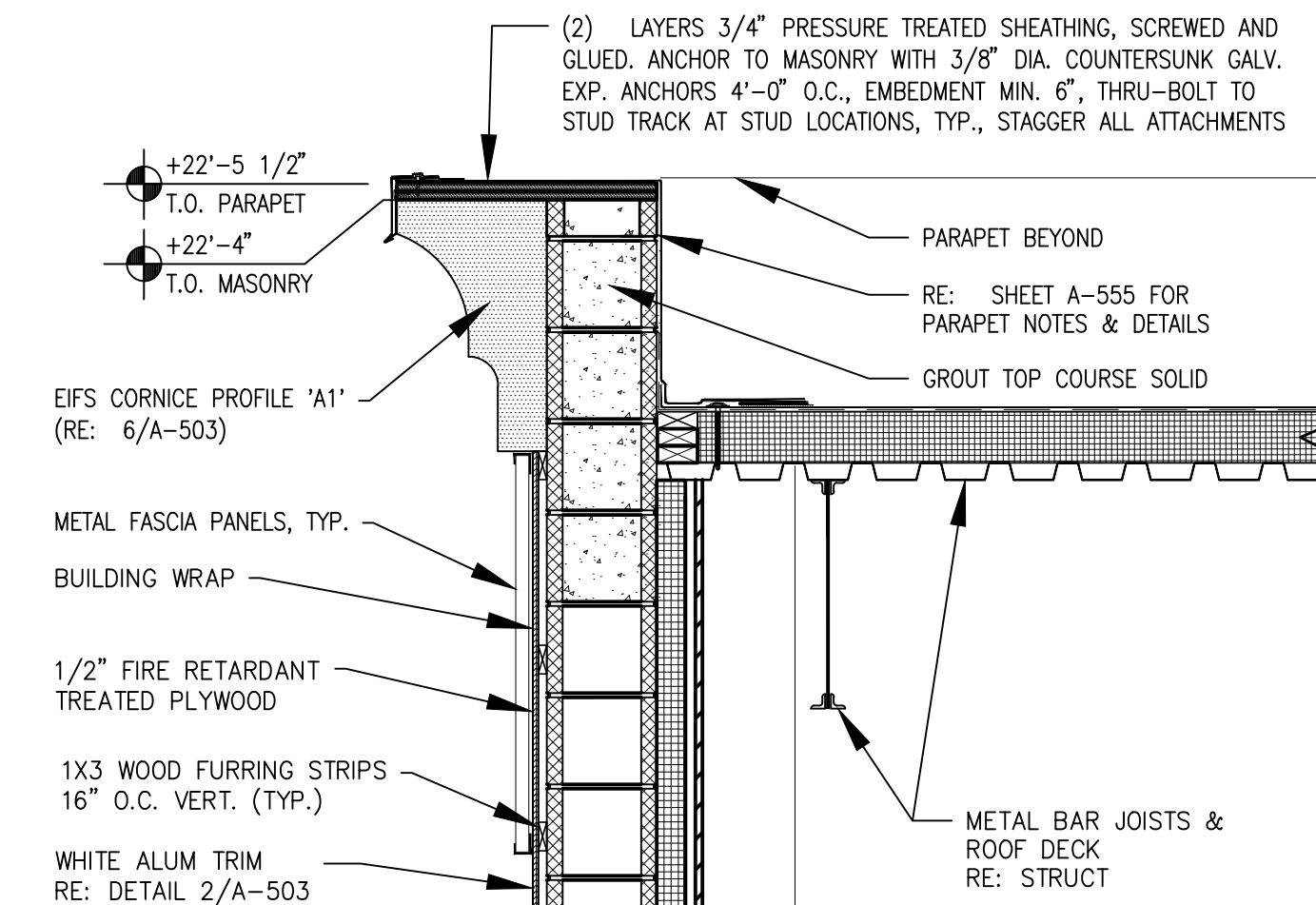
1 WALL SECTION
A-500 SCALE: 3/4"=1'-0"



2 WALL SECTION
A-500 SCALE: 3/4"=1'-0"



3 WALL SECTION
A-500 SCALE: 3/4"=1'-0"

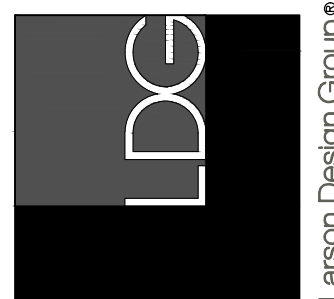


4 WALL SECTION
A-500 SCALE: 3/4"=1'-0"

MAR 11 2019

8-BAY SINGLE SIDED

| NO. | DATE | ISSUED | COMMENTS | BY | CHKD |
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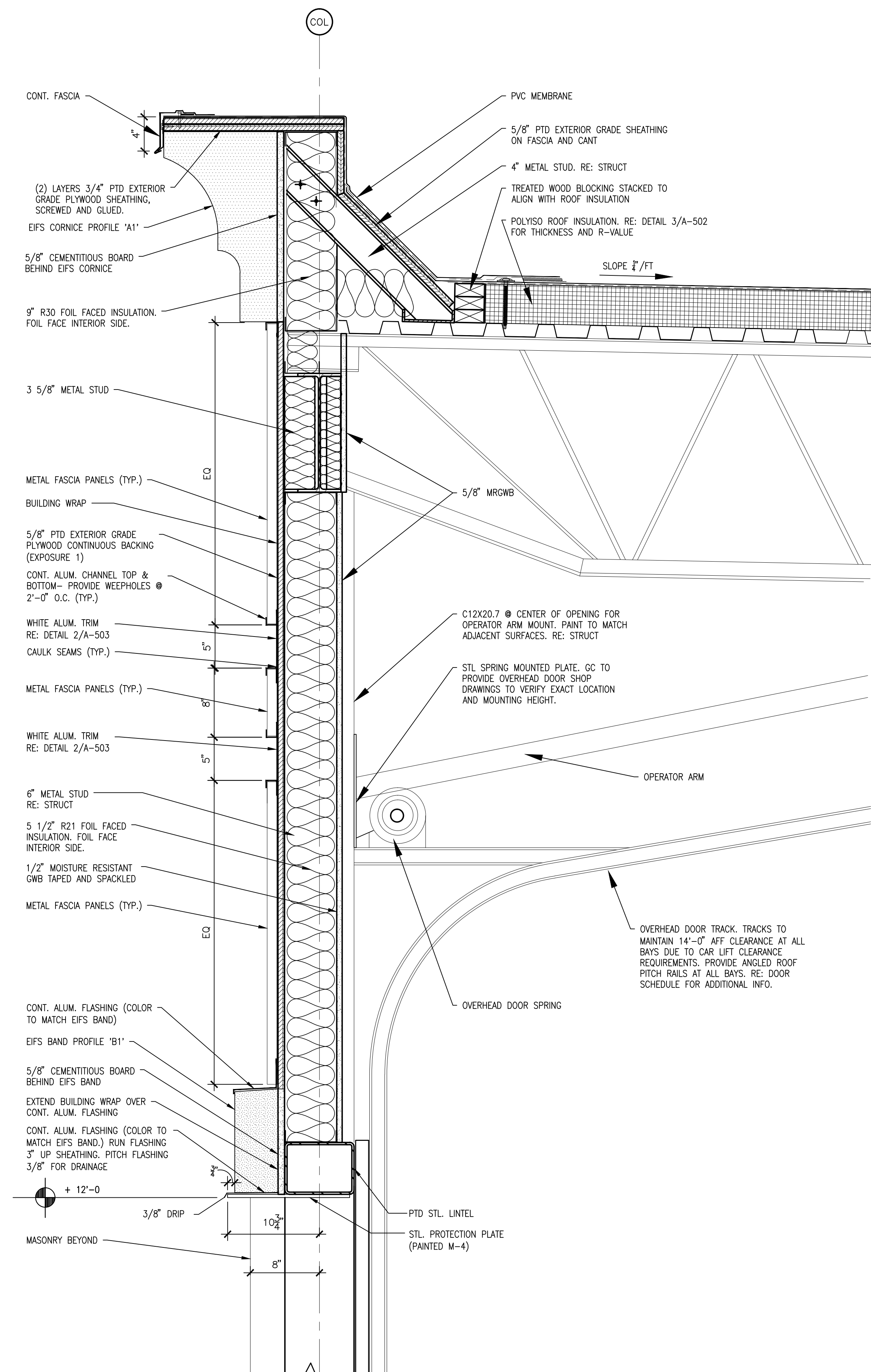
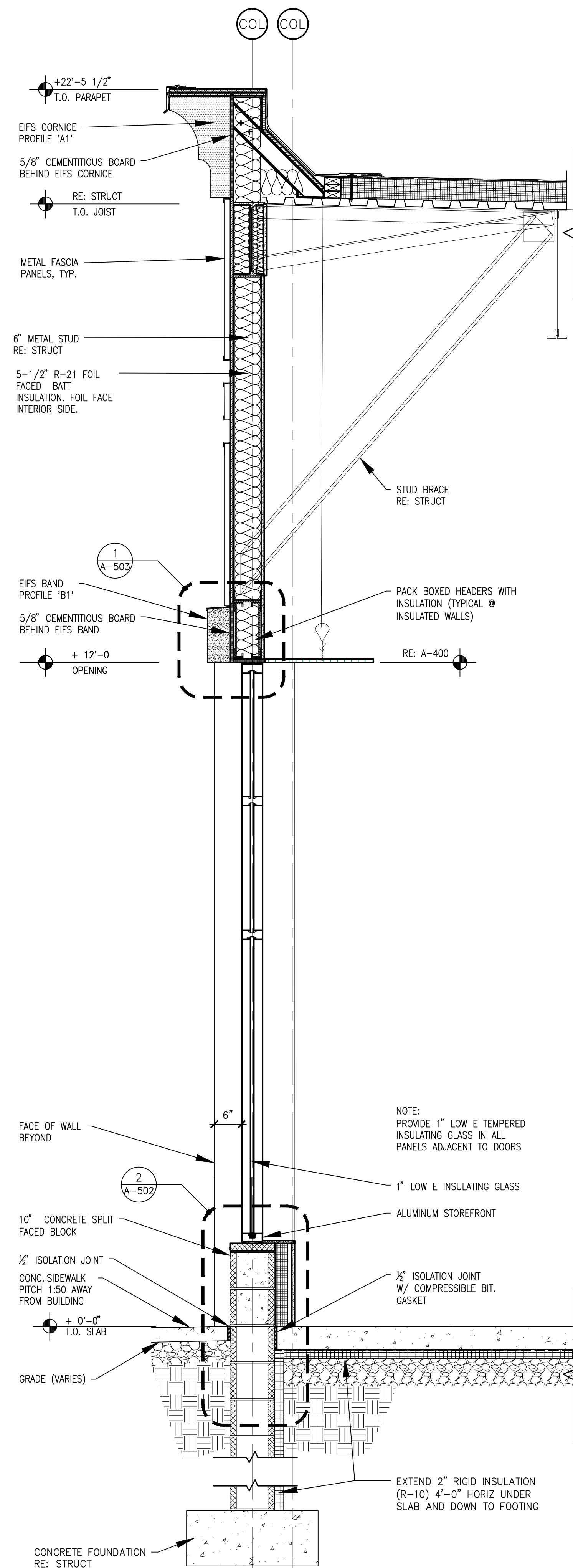
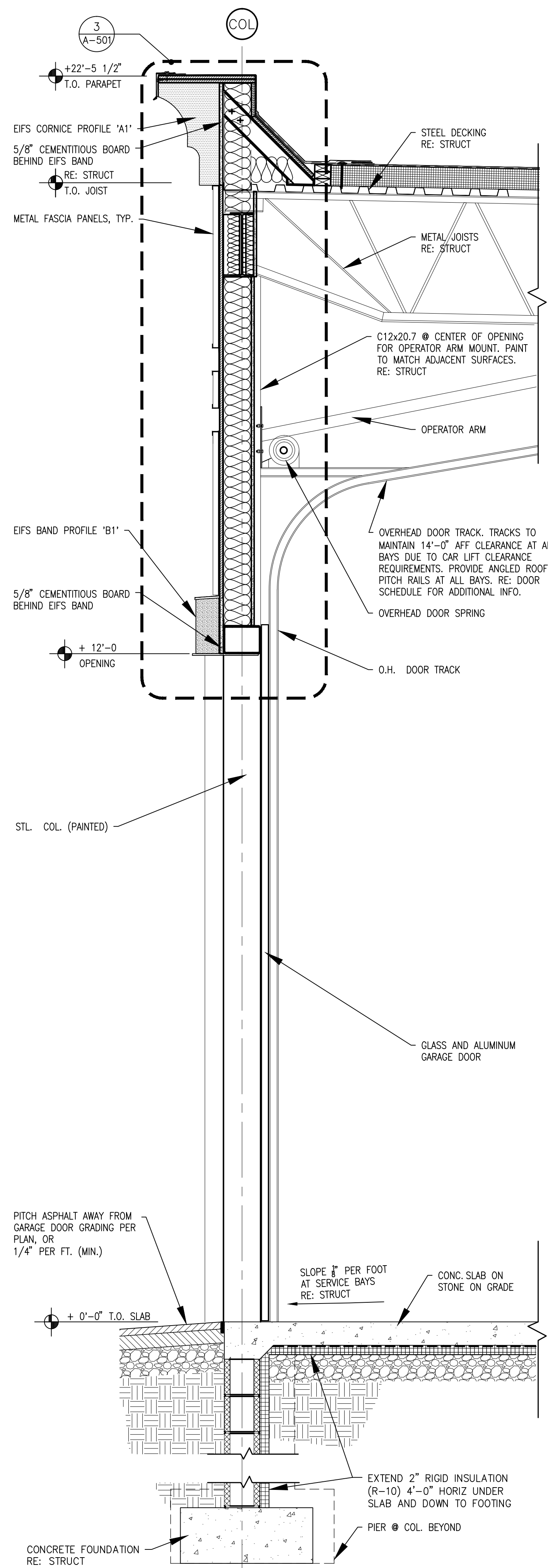
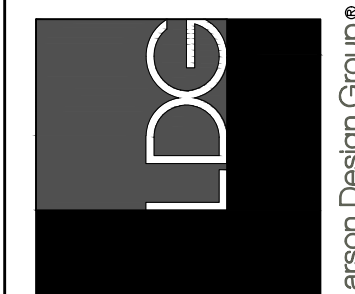


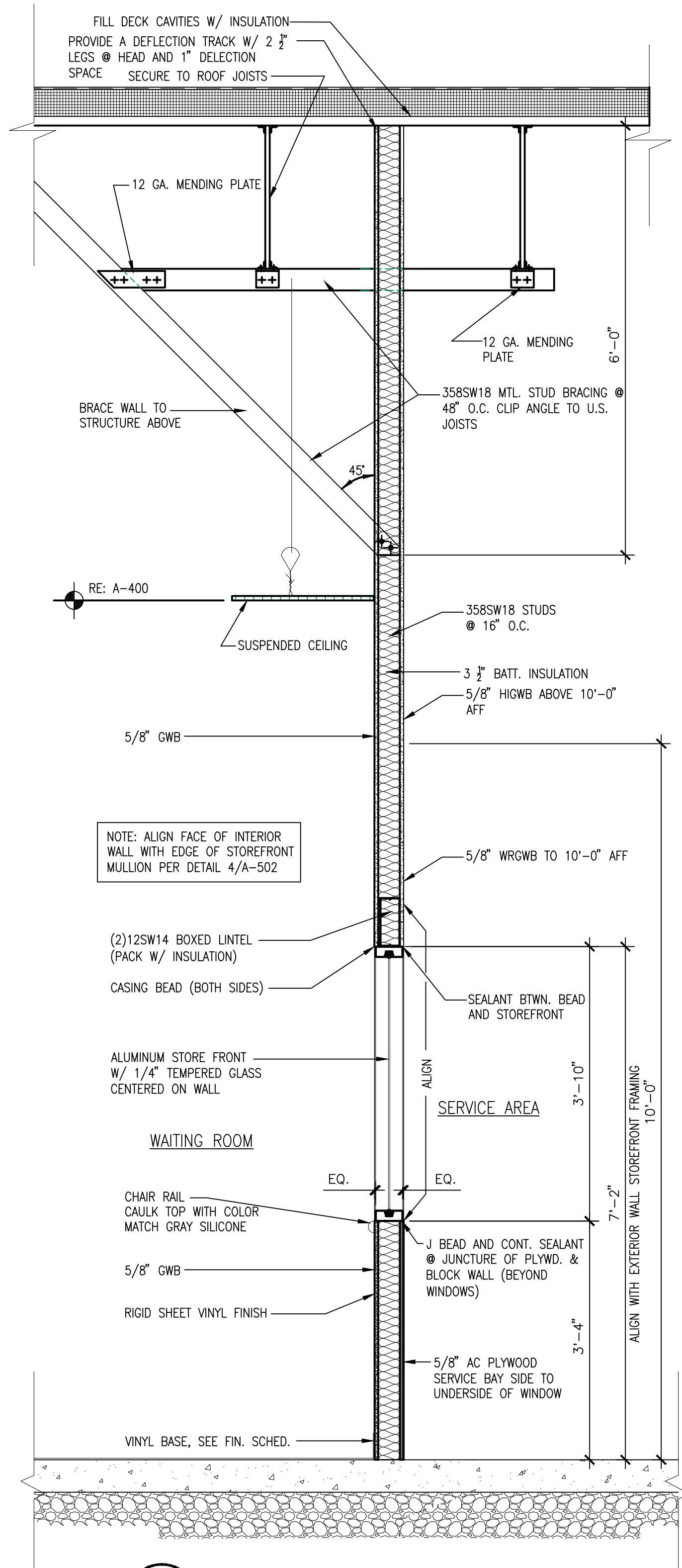
WALL SECTIONS
MAVIS DISCOUNT TIRE #X - CITY, STATE

Larson Design Group • Architects Engineers Surveyors
100 Commerce Park Drive • Suite 201
Williamstown, PA 17701
PHONE 570.323.6603 TOLL FREE 877.323.6603
FAX 570.323.9502 • www.larsondesigngroup.com

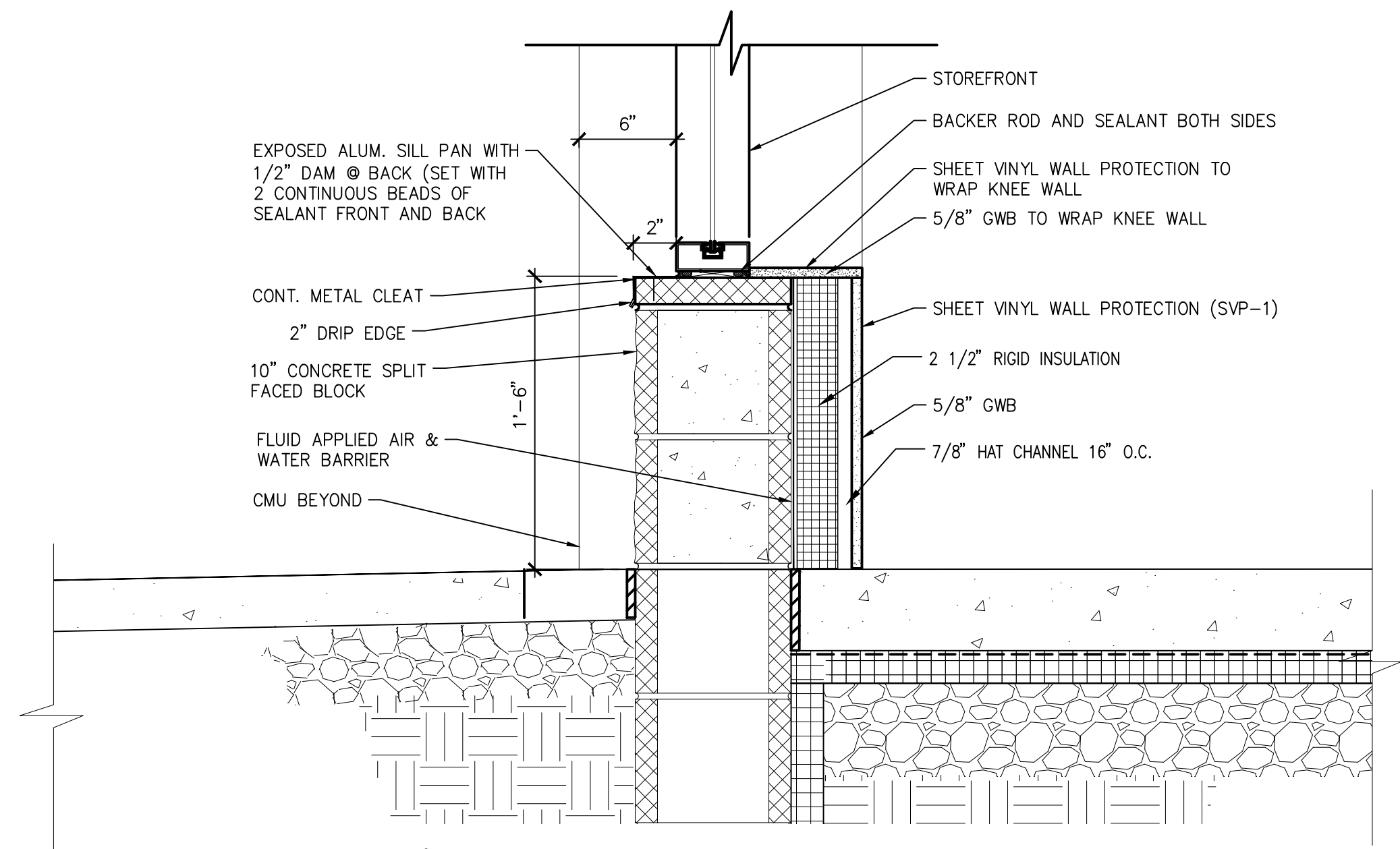
MAVIS TIRE SUPPLY, LLC
358 SAW MILL RIVER ROAD
MILLWOOD, NY 10546
PHONE (914) 984-2500

SHEET NO.: A-500
PROJECT NO.: XXXX-XXX

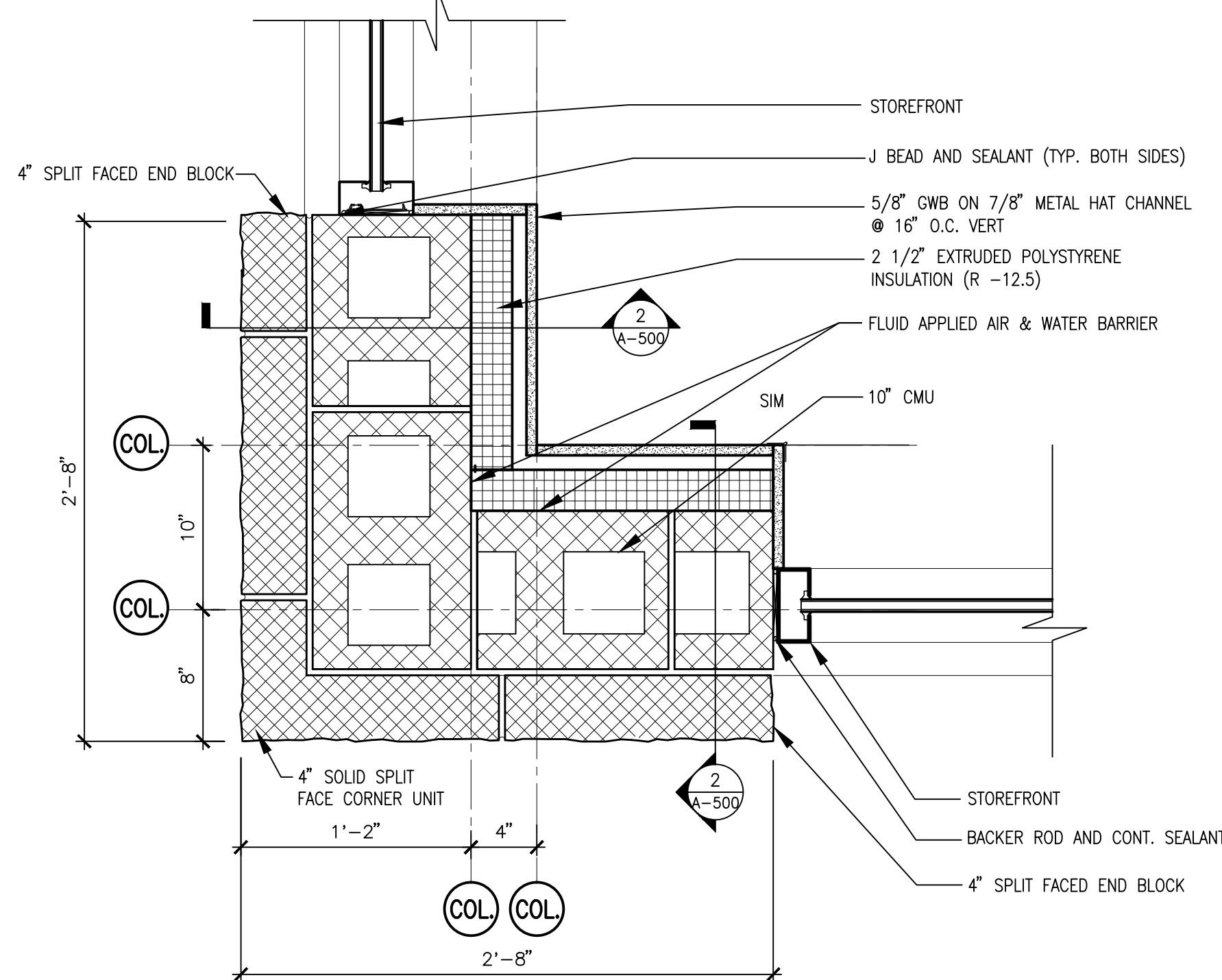
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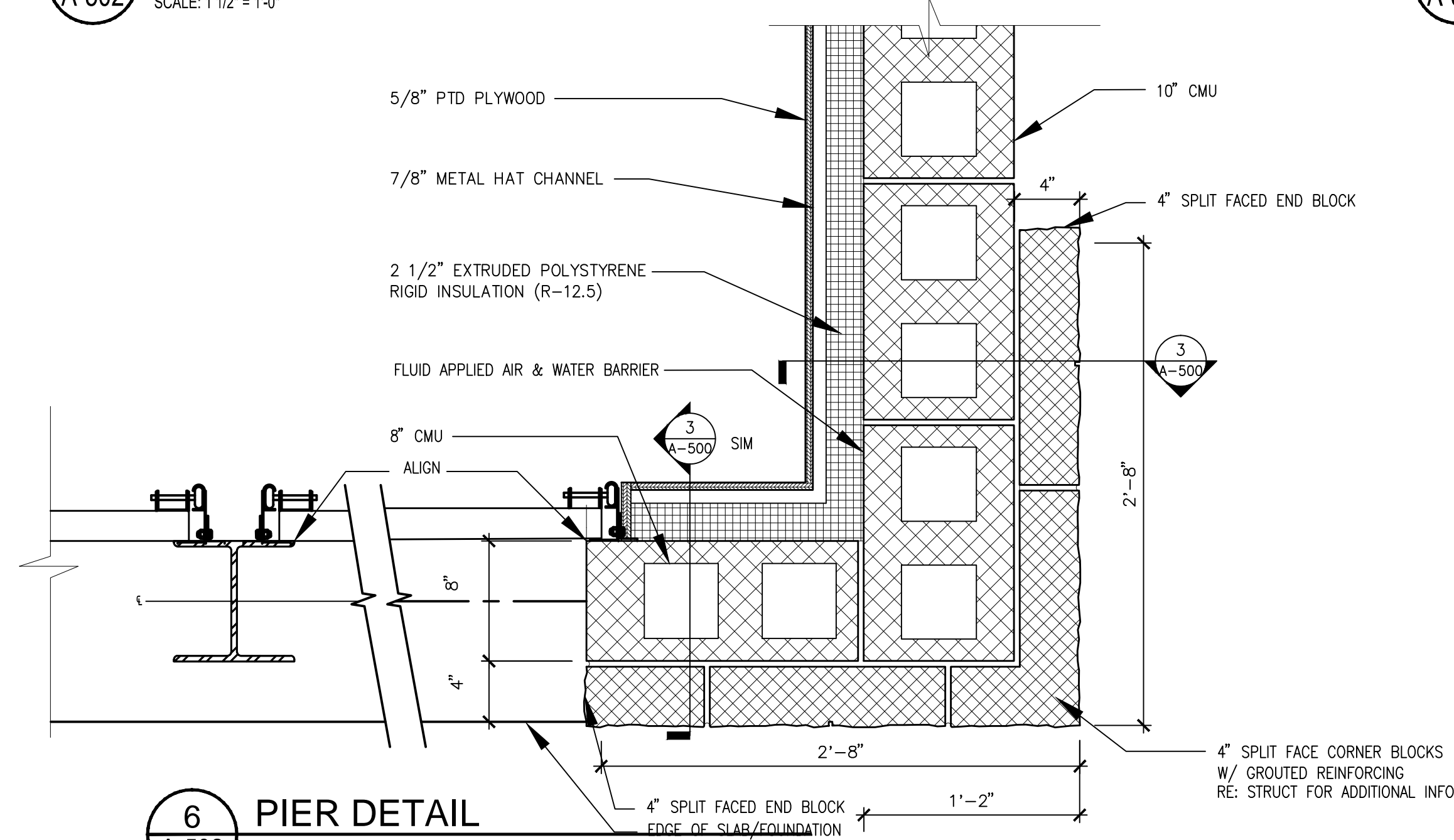
1 WALL SECTION
A-502 SCALE: 3/4" = 1'-0"



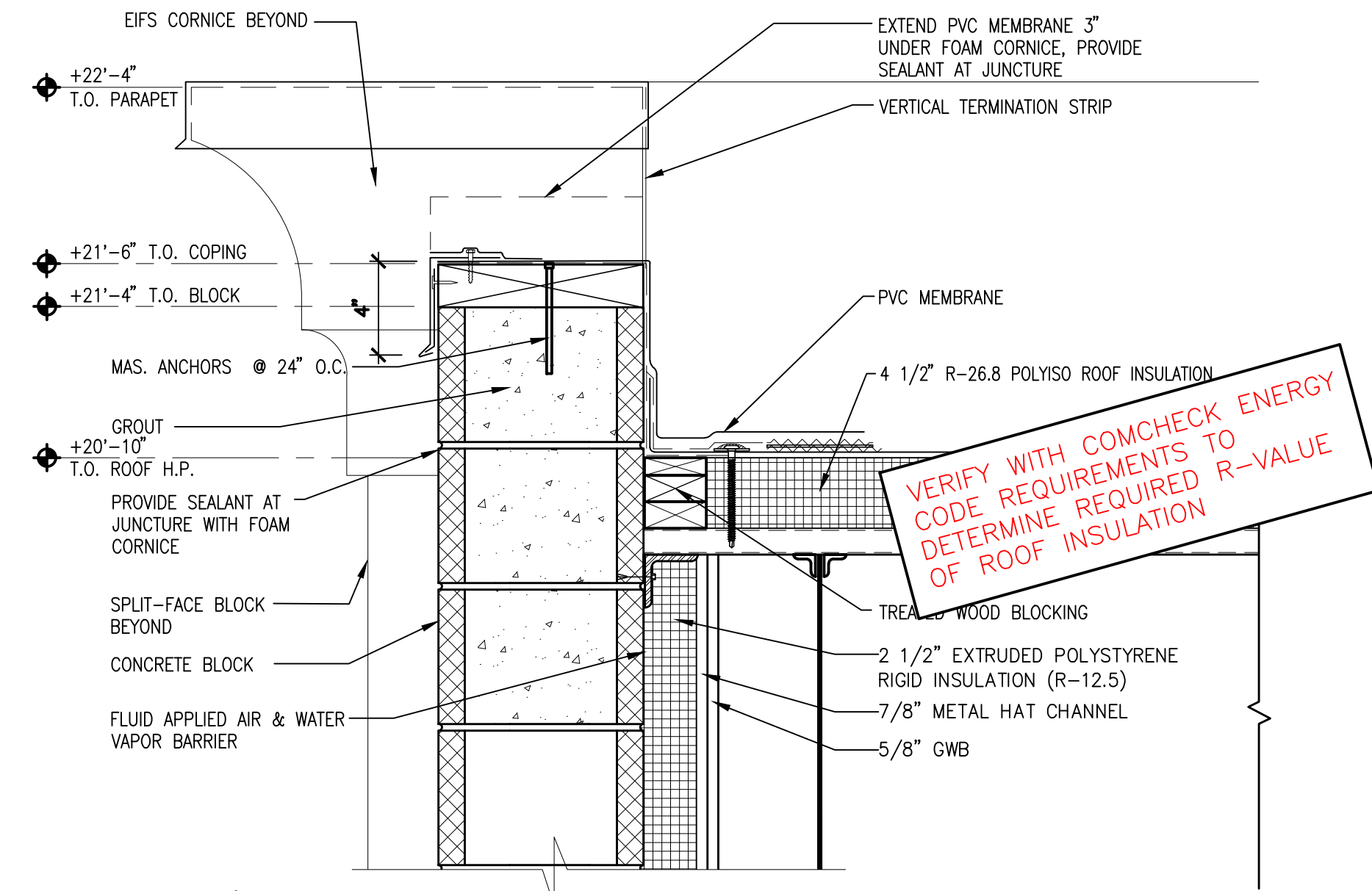
2 WINDOW SILL DETAIL
A-502 SCALE: 1-1/2" = 1'-0"



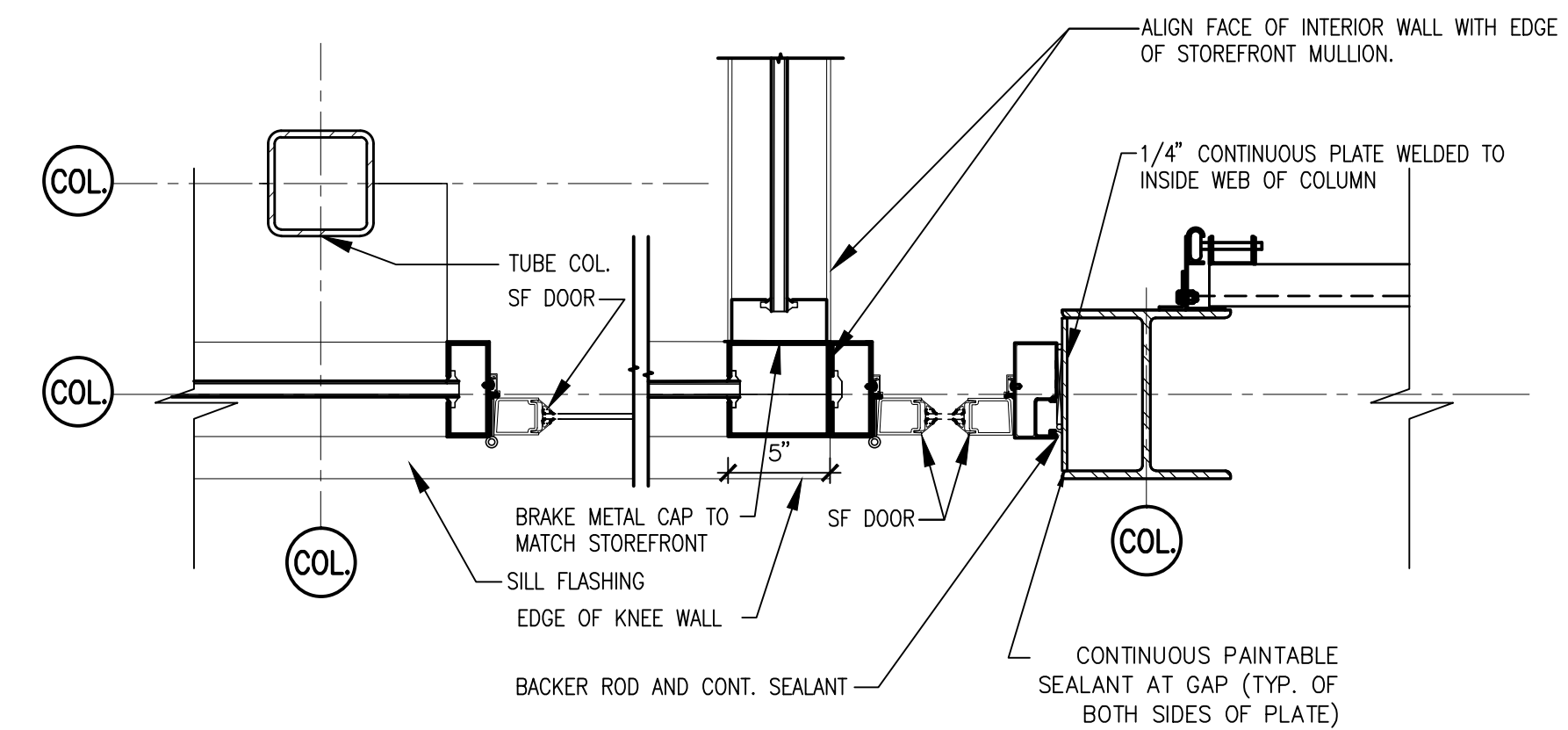
4 SHOWROOM CORNER PLAN DETAIL
A-502 SCALE: 1 1/2" = 1'-0"



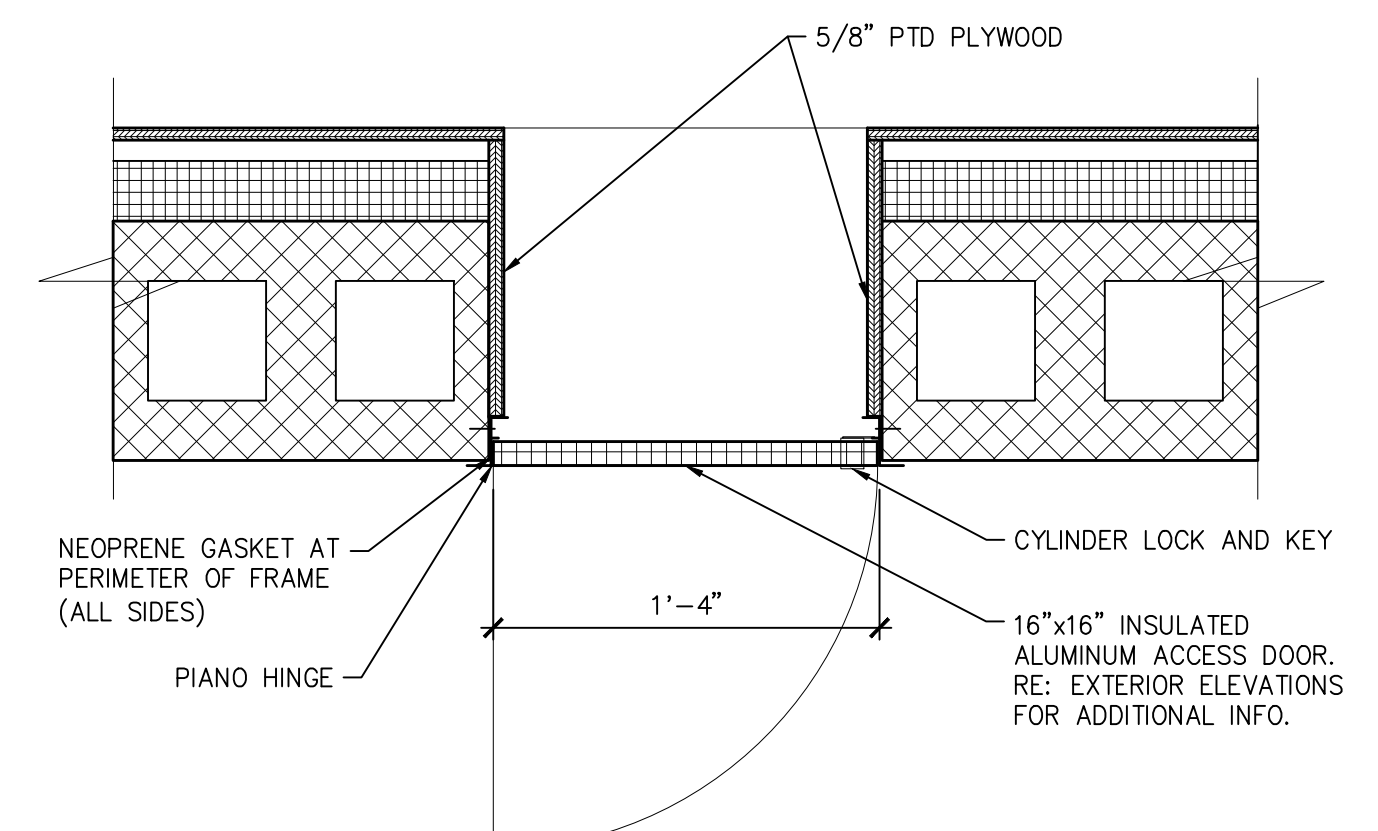
6 PIER DETAIL
A-502 SCALE: 1-1/2" = 1'-0"



3 ROOF DETAIL
A-502 SCALE: 1-1/2" = 1'-0"



5 SHOWROOM STOREFRONT PLAN DETAIL
A-502 SCALE: 1 1/2" = 1'-0"

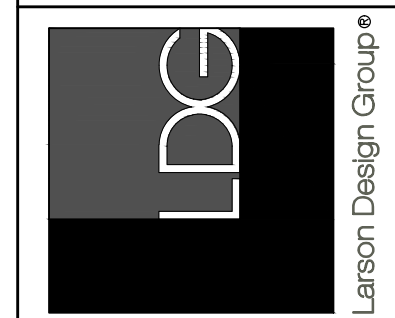


7 OIL ACCESS HATCH DETAIL
A-502 SCALE: 1-1/2" = 1'-0"

MAR 11 2019

8-BAY SINGLE SIDED

| NO. | DATE | ISSUED | COMMENTS | BY | CHKD |
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| 1 | 4/11/2018 | | | XXX | XXX |



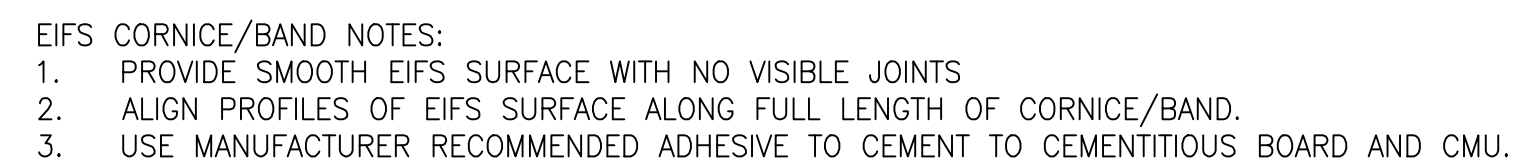
WALL DETAILS

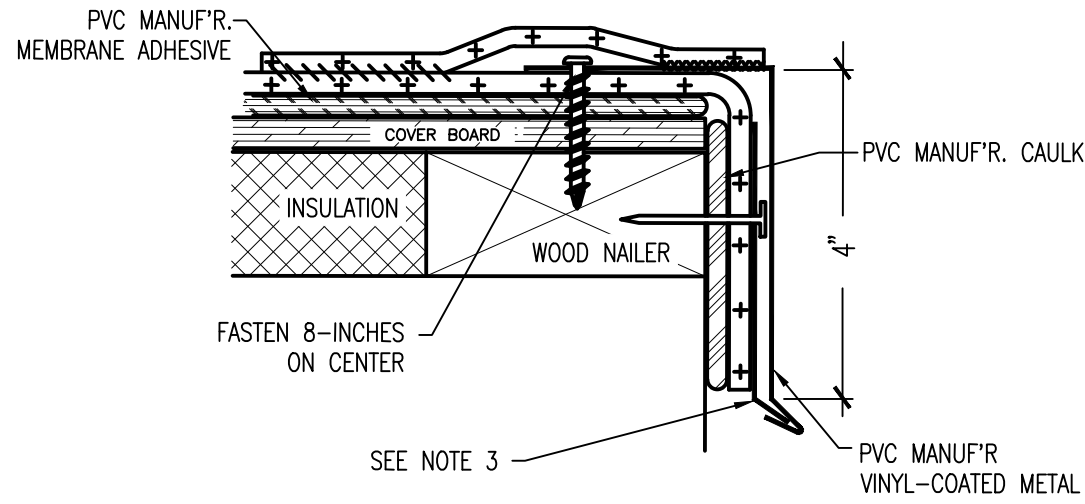
MAVIS DISCOUNT TIRE #X - CITY, STATE

Larson Design Group • Architects Engineers Surveyors
100 Commerce Park Drive • Suite 201
Williamstown, PA 17701
PHONE 570.323.6603 TOLL FREE 877.323.6603
FAX 570.323.9502 • www.larsondesigngroup.com

MAVIS TIRE SUPPLY LLC
358 SAW MILL RIVER ROAD
MILLWOOD, NY 10546
PHONE (914) 984-2500

SHEET NO.: A-502
PROJECT NO.: XXXX-XXX

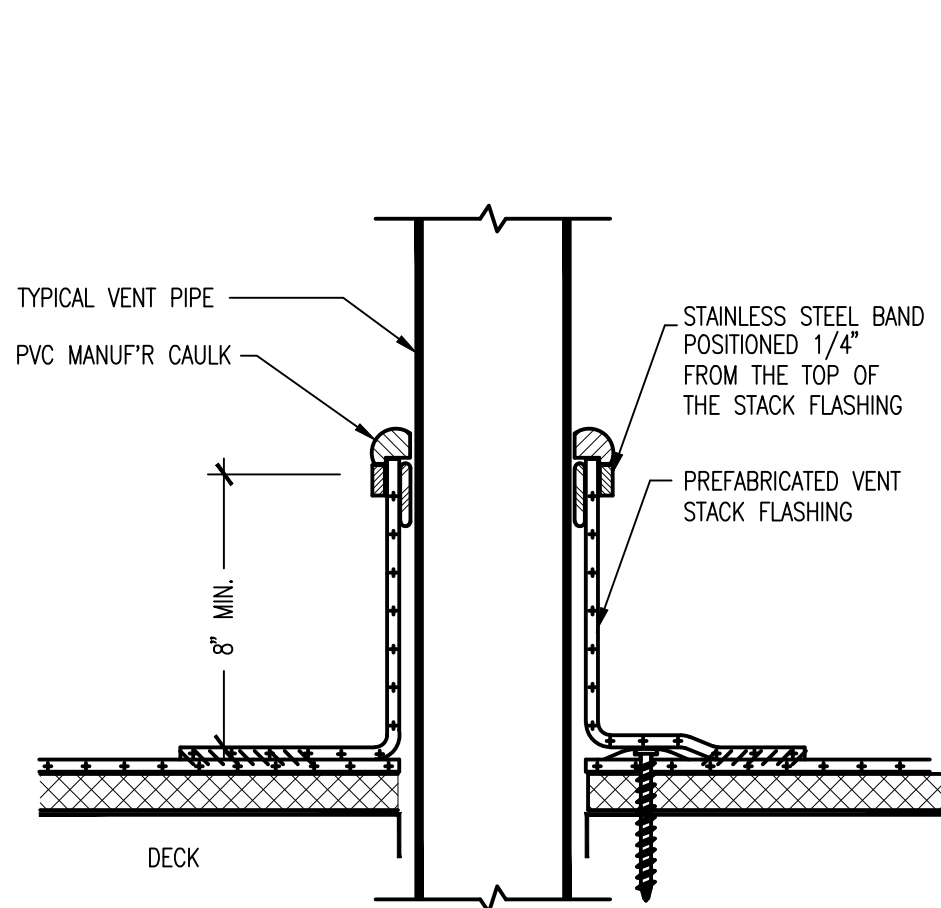




- NOTE 1: AN OVERLAP OF 1 1/2-INCHES WILL BE REQUIRED BETWEEN SECTIONS OF VINYL-COATED METAL. A BEAD OF CAULK IS REQUIRED AT EACH OVERLAP.
- NOTE 2: A WOOD NAILER IS REQUIRED IF 1-INCH OF INSULATION OR GREATER IS USED. TOP OF WOOD NAILER TO BE FLUSH WITH TOP OF INSULATION. FASTENERS USED TO ATTACH WOOD NAILERS SHALL BE SPACED NO GREATER THAN 18-INCHES ON CENTER.
- NOTE 3: FOR FULLY ADHERED INSTALLATIONS A CLEAT MUST BE INSTALLED ON ALL VINYL-COATED METAL DRIP EDGE AND MUST BE FASTENED 6-INCHES ON CENTER.

1 VINYL COATED METAL DRIP EDGE

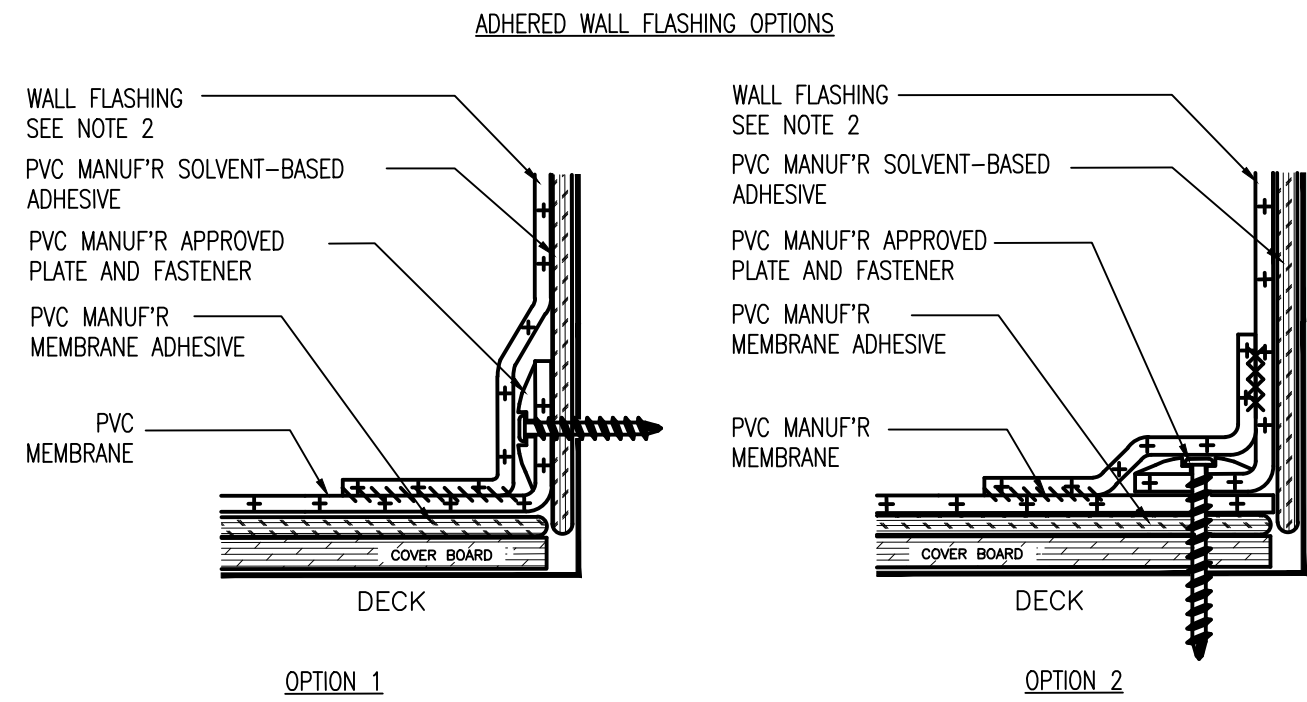
SCALE: NTS



- NOTE 1: IF A LEAD FLASHING IS PRESENT ON THE PIPE, IT MUST BE REMOVED BEFORE STACK FLASHING IS INSTALLED.
- NOTE 2: MEMBRANE ATTACHMENT AROUND THE PENETRATION WILL BE THE SAME AS THE DECK MEMBRANE, MAX. 18 INCHES ON CENTER, AND A MINIMUM OF ONE PLATE/FASTENER PER FLASHING.

5 ROUND PENETRATION

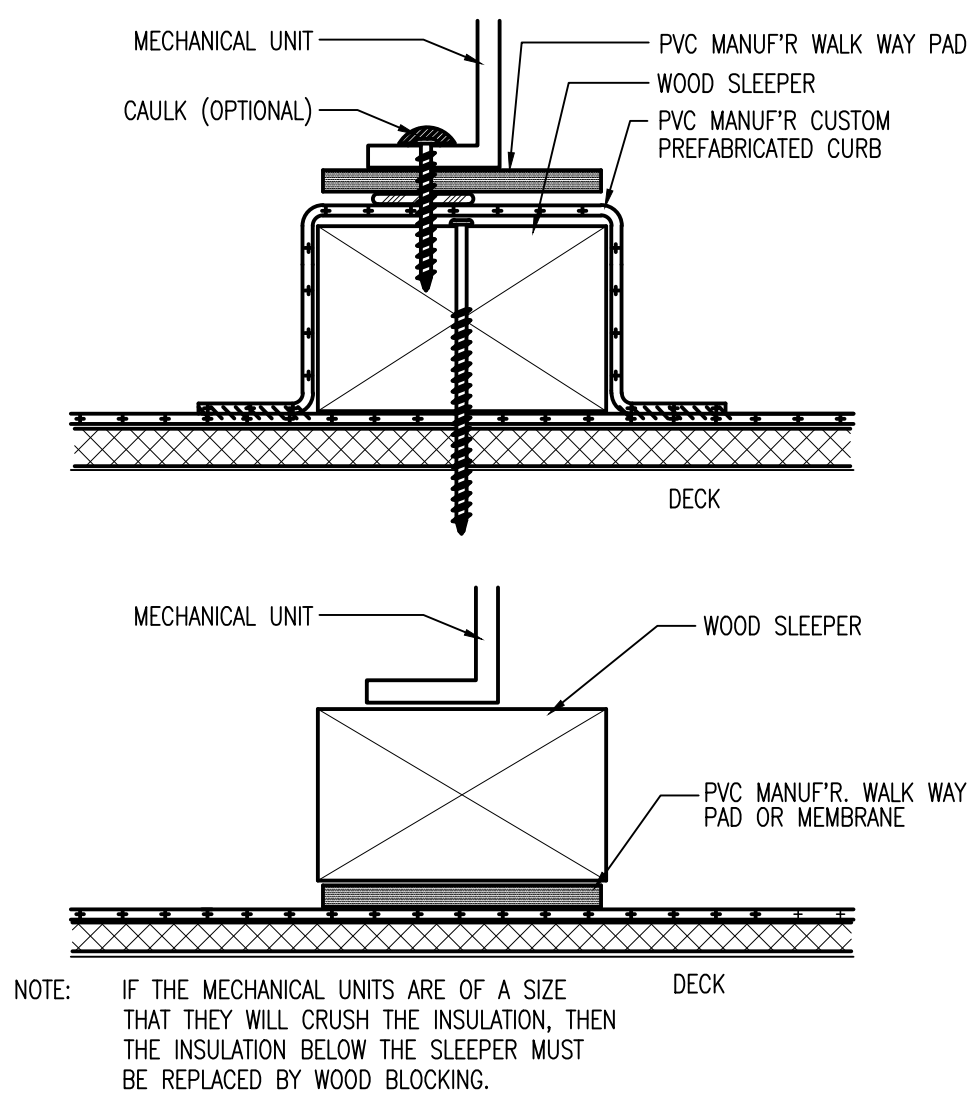
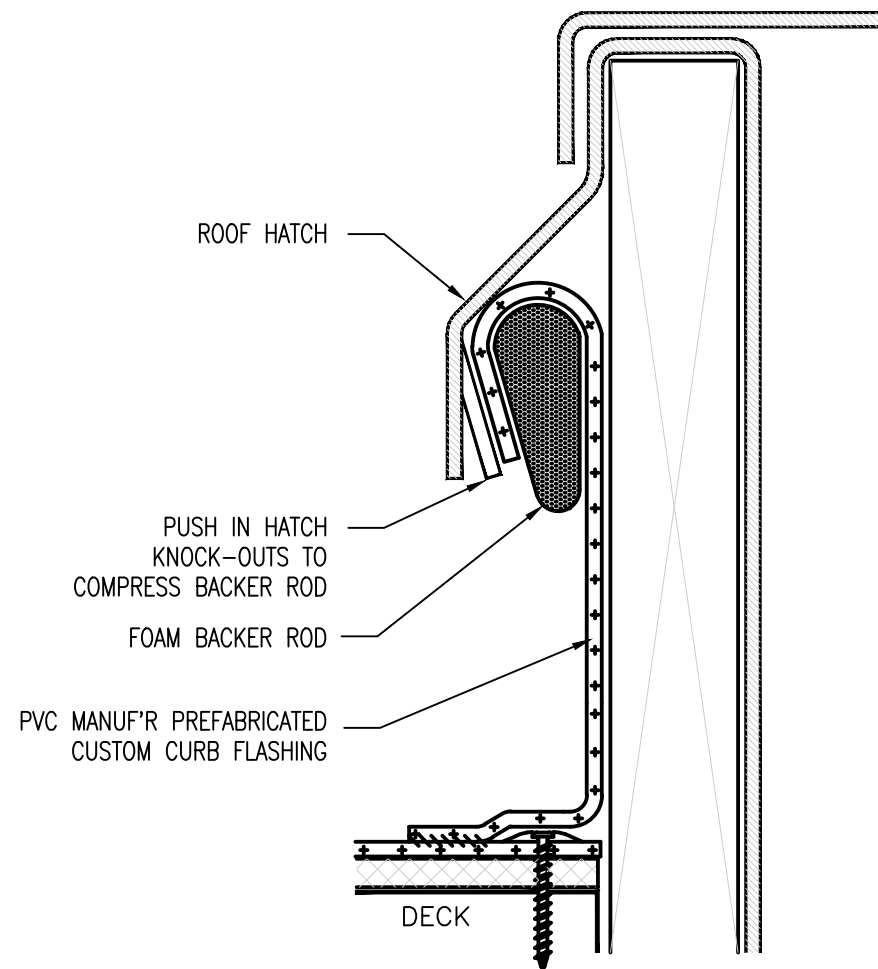
SCALE: NTS



- NOTE 1: USE ONE OF THESE OPTIONS FOR FASTENING THE ROOF SYSTEM AT THE ROOF-TO-WALL TRANSITION WHEN THE WALL FLASHING IS ADHERED.
- NOTE 2: MINIMUM TERMINATION HEIGHT FOR WALL FLASHING IS 8-INCHES ABOVE THE FINISHED DECK.
- NOTE 3: ROWS OF MECHANICAL FASTENERS ARE REQUIRED AT 5-FOOT INTERVALS WHEN THE WALL FLASHING WILL EXTEND UP THE WALL 5-FEET OR HIGHER.

2 PARAPET WALL FLASHING

SCALE: NTS



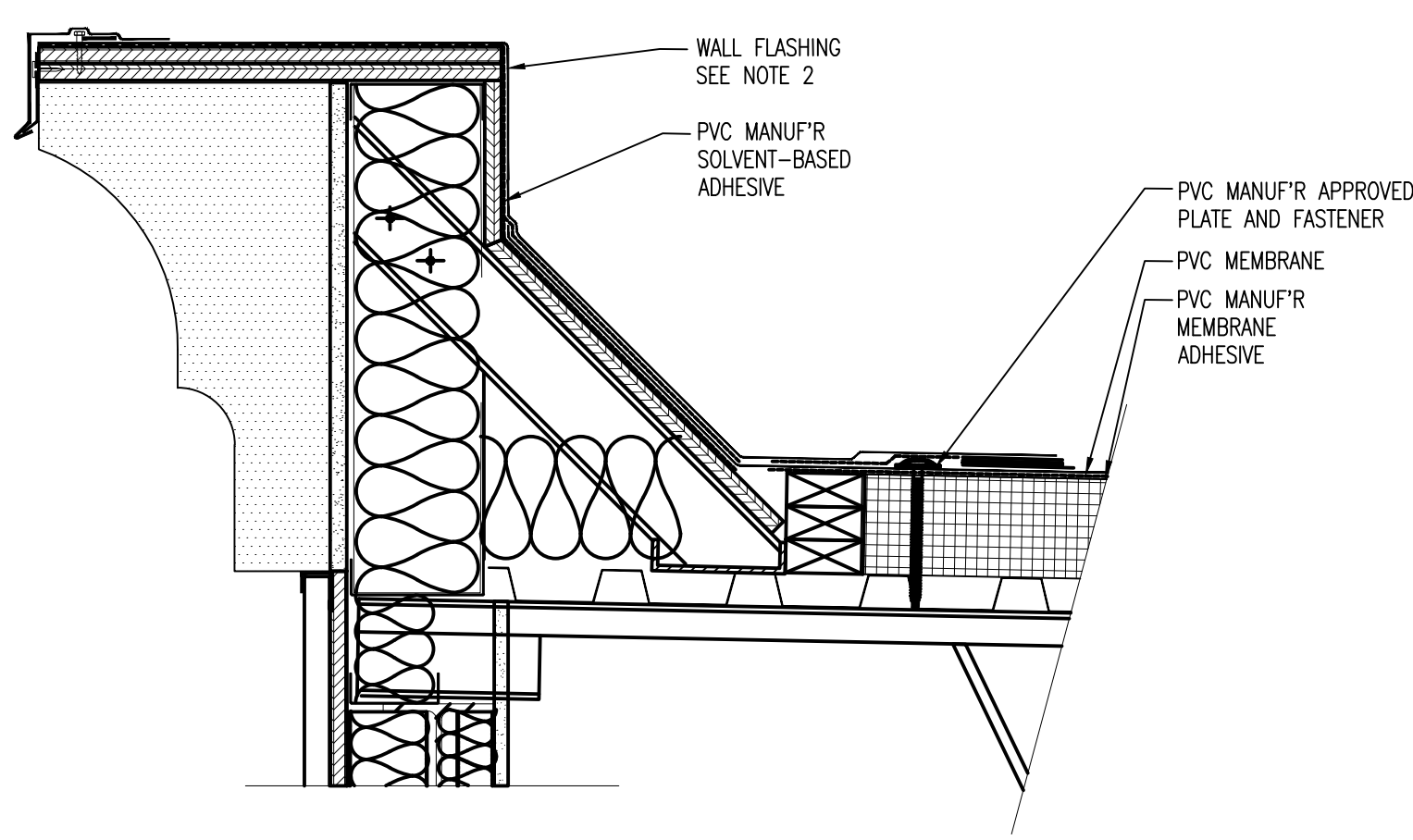
- NOTE 1: ALL JOINTS, SPLICES, CORNERS, AND ENDCAPS ARE TO BE RIVETED INTO POSITION. ON SPLICE PLATES, A MINIMUM OF 2 RIVETS AND 2 FASTENERS ARE TO BE USED AS ILLUSTRATED ABOVE.
- NOTE 2: ALL JOINTS, SPLICES, CORNERS, AND ENDCAPS MUST HAVE PVC MANUF'R APPROVED SEALANT APPLIED TO THEM TO ENSURE A WATER-TIGHT APPLICATION. APPLY A BEAD OF SEALANT TO THE SPLICE PLATE ON BOTH SIDES OF THE JOINT.
- NOTE 3: ONE EXPANSION JOINT SHOULD BE INSTALLED FOR EVERY 40-50 FEET OF GUTTER BEING INSTALLED.
- NOTE 4: SEE ROOF PLAN FOR DRAINAGE SLOPE AND DRAIN SIZES.

7 GUTTER ATTACHMENT

SCALE: NTS

4 WOOD SLEEPER

SCALE: NTS



- NOTE 1: USE ONE OF THESE OPTIONS FOR FASTENING THE ROOF SYSTEM AT THE ROOF-TO-WALL TRANSITION WHEN THE WALL FLASHING IS ADHERED.
- NOTE 2: MINIMUM TERMINATION HEIGHT FOR WALL FLASHING IS 8-INCHES ABOVE THE FINISHED DECK.
- NOTE 3: ROWS OF MECHANICAL FASTENERS ARE REQUIRED AT 5-FOOT INTERVALS WHEN THE WALL FLASHING WILL EXTEND UP THE WALL 5-FEET OR HIGHER.

8 PARAPET WALL FLASHING

SCALE: NTS

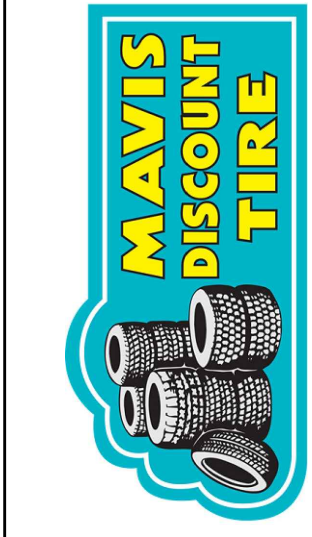
PVC ROOF DETAILS

MAVIS DISCOUNT TIRE #X - CITY, STATE

Larson Design Group • Architects Engineers Surveyors
1100 Commerce Park Drive • Suite 201
Williamstown, PA 17701
PHONE 570.323.6603 TOLL FREE 877.323.6603
FAX 570.323.9902 • www.larsondesigngroup.com

MAVIS TIRE SUPPLY, LLC
358 SAW MILL RIVER ROAD
MILLWOOD, NY 10546
PHONE (914) 984-2500

SHEET NO.:
A-555
PROJECT NO.: XXXX-XXX



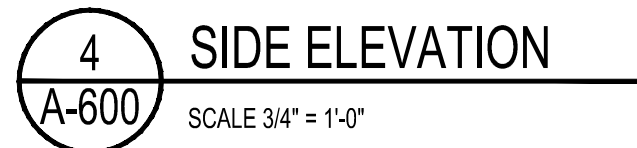
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MAR 11 2019

8-BAY SINGLE SIDED



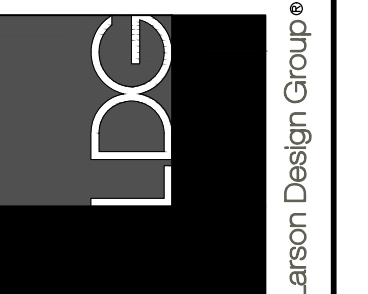
3 BACK ELEVATION
A-600
SCALE 3/4" = 1'-0"



- MILLWORK NOTES:**
-
1. USE 3/4" M.D.F. FOR ALL SERVICE COUNTER BOARDS, EXCEPT FOR MISCELLANEOUS BLOCKING, NAILERS, ETC. AS REQUIRED FOR ASSEMBLY.
 2. FINISH ALL EXPOSED SURFACES WITH HIGH PRESSURE PLASTIC LAMINATE IN COLORS SPECIFIED BELOW.
 3. ALL CONNECTORS, FASTENERS, SCREWS AND NAILS SHALL BE CONCEALED.
 4. PROVIDE GROMMETS FOR ELECTRICAL AND DATA CABLING AS REQUIRED.
 5. FINISH SHALL BE AS PROVIDED BY OTHERS
 6. TABLE BASE AND ACCESSORIES BY: TABLEBASES.COM
MODEL: PP1F, COLOR BLACK, 3" DIA. COLUMN, 40 $\frac{3}{4}$ " HT. WITH 9"X9" STEEL MOUNTING PLATE.
 7. STOOLS BY: PETERSEN FURNITURE INTERNATIONAL, INC.
MODEL: R452 "MESHED BACK BOLT-DOWN BAR STOOL", 30" SEAT HEIGHT W/ FOOTREST UNHOLSTERED SEAT - SPRADING - WHISPER (WHI-2154 "PEWTER")
*REFER TO INSTRUCTIONS BY PETERSEN FURNITURE INTERNATIONAL, INC. FOR ADDITIONAL INFO.

NOTE:
SERVICE COUNTER & COMPUTER TECH CENTER FOR REFERENCE
ONLY. SUPPLIED BY MAVIS DISCOUNT TIRE AND ASSEMBLED
AND INSTALLED BY CONTRACTOR

| ISSUE / REVISIONS | | | |
|-------------------|------------|--------|----------|
| NO. | DATE | ISSUED | COMMENTS |
| A | xx/xx/2018 | ISSUED | xxx |
| | | | xxx |
| | | | BY |
| | | | CHKD |



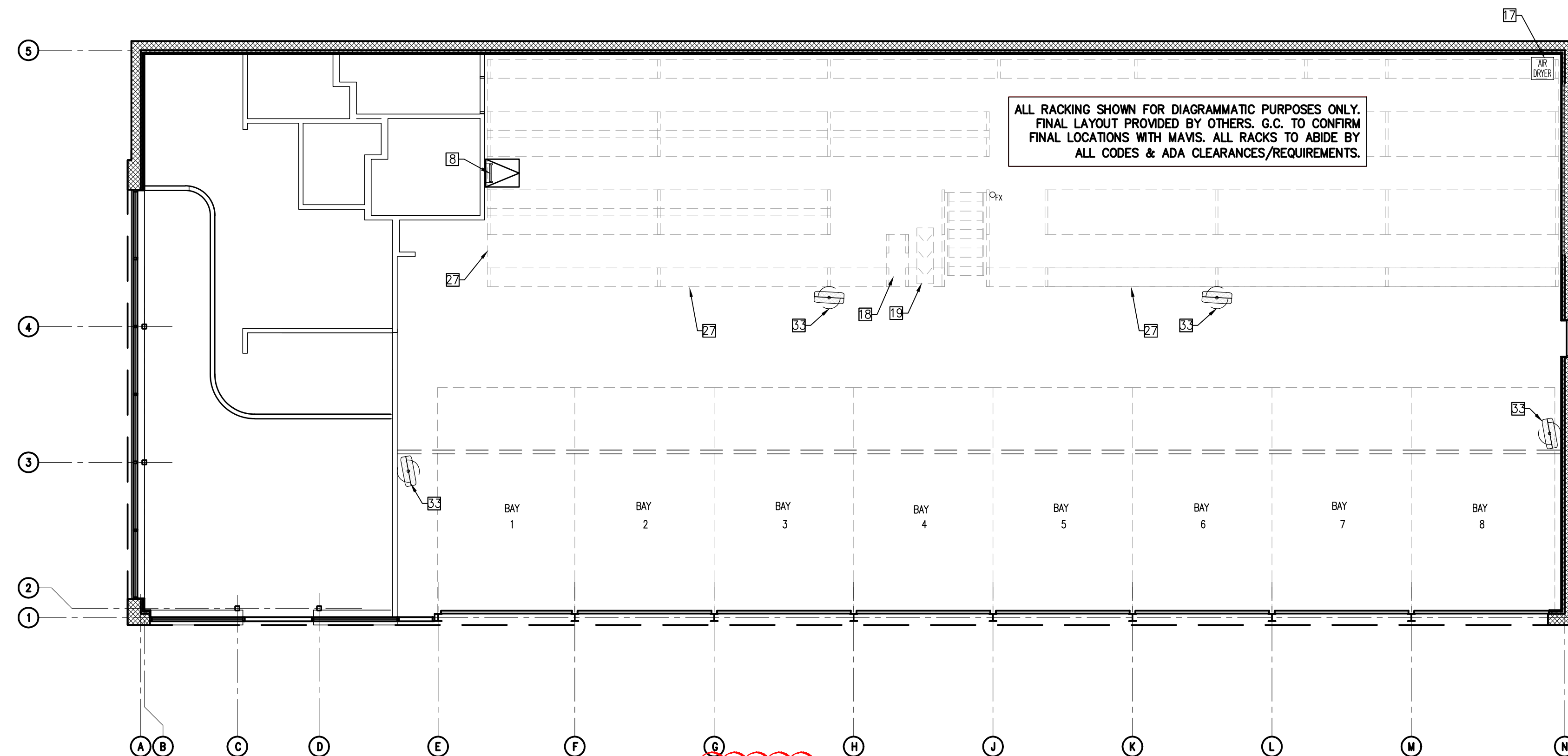
Larson Design Group • Architects Engineers Surveyors
1000 Commerce Park Drive • Suite 201
Williamsport, PA 17701
PHONE 570.323.6603 TOLL FREE 877.323.6603
FAX 570.323.9902 • www.larsondesigngroup.com

SHEET NO.:
A-600
PROJECT NO.: XXXX-XXX

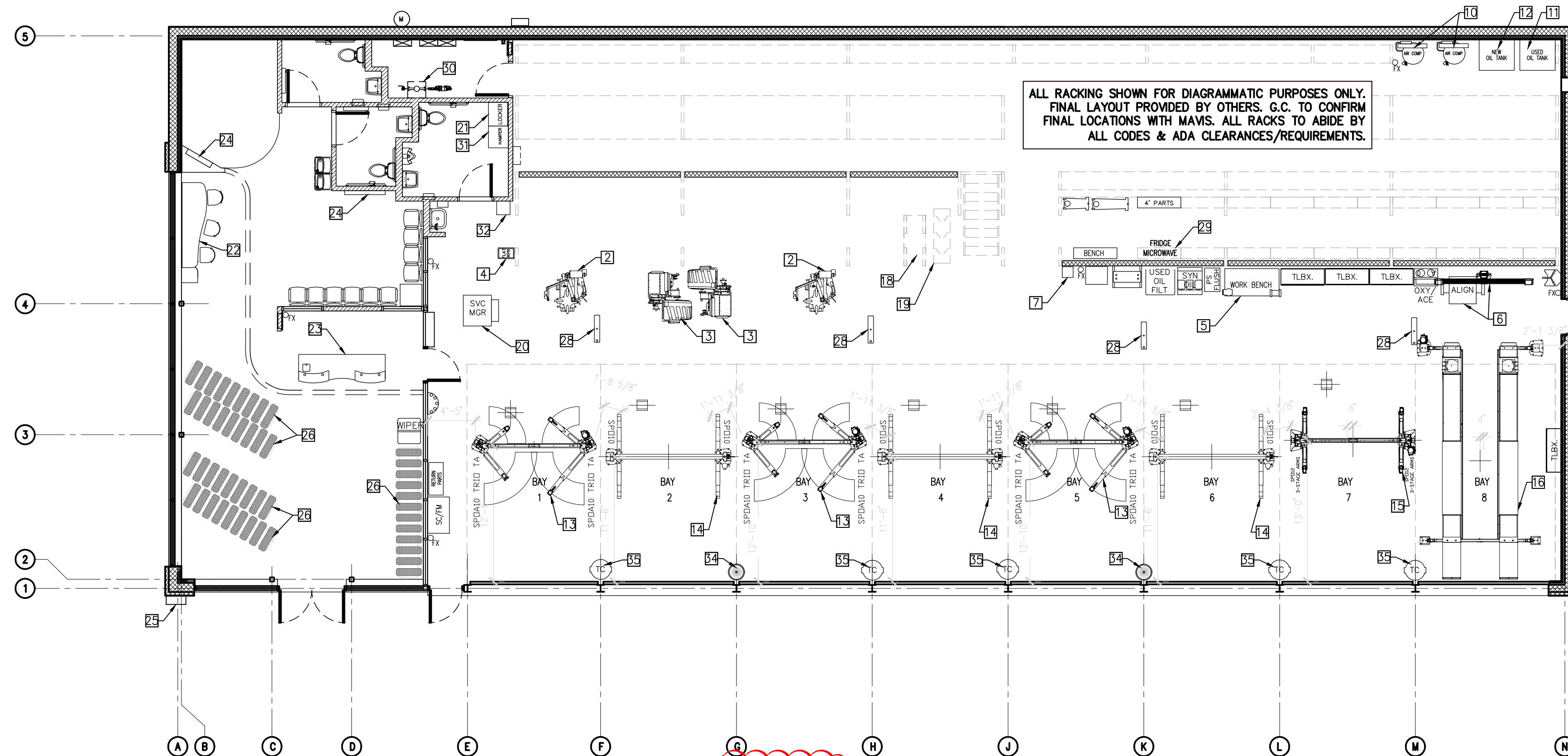
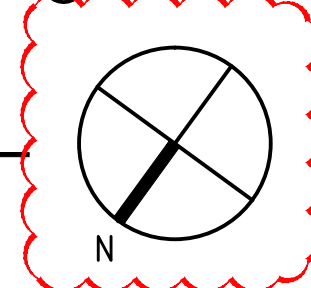
[illegible]EQUIPMENT & RACKING PLANS
MAVIS DISCOUNT TIRE #X - CITY, STATE

Larson Design Group ■ Architects Engineers Surveyors
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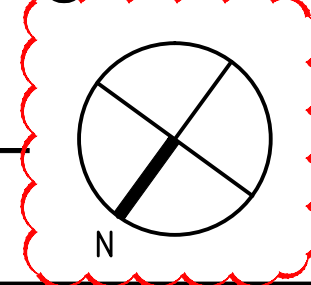
SHEET NO.:
A-601
PROJECT NO.: XXXX-XXX



2 UPPER EQUIPMENT & RACKING PLAN
A-601 SCALE: 1/8" = 1'-0"

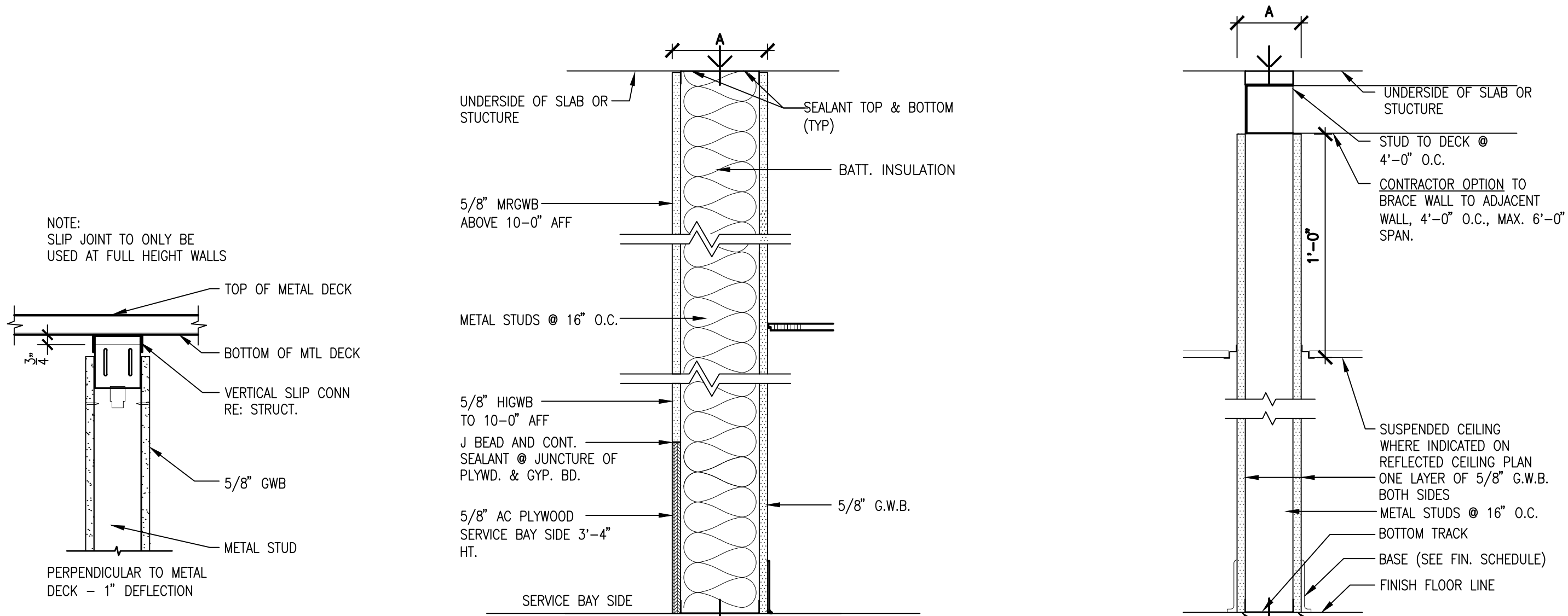


1 EQUIPMENT & RACKING PLAN

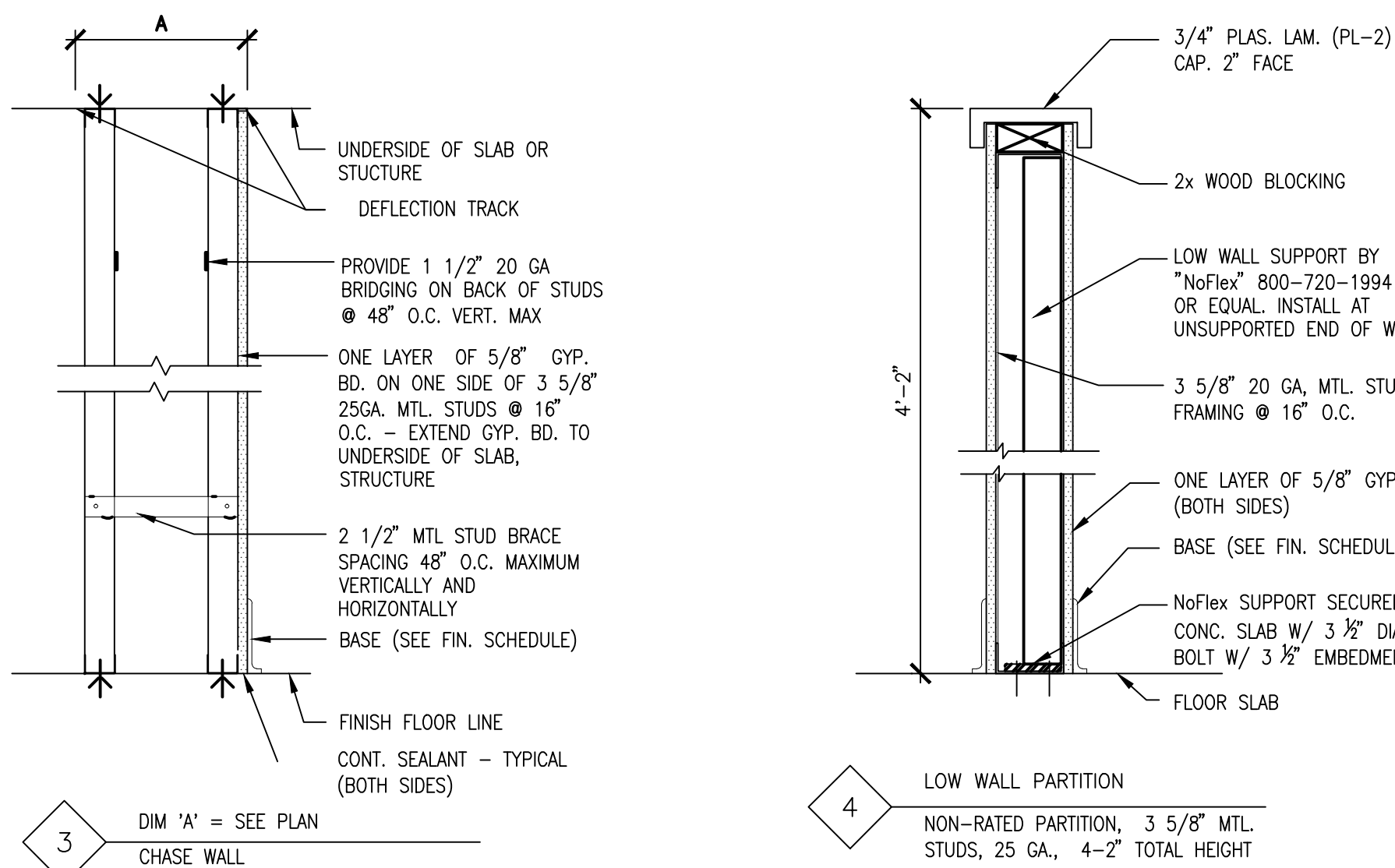


- 1 NOT USED
- 2 RIM CLAMP: COATS [70X-3 RIM CLAMP TIRE CHANGER] or [RC-45 RIM CLAMP TIRE CHANGER]
- 3 WHEEL BALANCER: COATS 1400-2D DIRECT DRIVE WHEEL BALANCER
- 4 FLAT REPAIR STATION
- 5 WORK BENCH
- 6 WHEEL ALIGNMENT COMPUTER AND ALIGNMENT CAMERA
- 7 OIL PUMP
- 8 FIXED STEEL WALL MOUNTED LADDER FOR ROOF HATCH ACCESS (LADDER BEGINS AT UPPER RACKING LEVEL PER DETAIL 4/A-503.) PROVIDE POST EXTENSION THRU BOLT TOP OF LADDER TO STEEL FRAME, BOTTOM OF LADDER TO STEEL RACKING AND INTERMEDIATE CONNECTIONS TO WALL STUDS. PROVIDE DOUBLE STUD POST AND WOOD BLOCKING. LADDER RATED FOR 1,500 LBS AND TREADS FOR 3,000 LBS. RE: SHEET A-101 FOR ROOF ACCESS HATCH INFO.
- 9 NOT USED
- 10 AIR COMPRESSOR: CHAMPION TWO STAGE/TWO CYLINDER AIR COMPRESSOR & UNITS FEATURING THE R15B PUMP
- 11 USED OIL
- 12 NEW OIL
- 13 CAR LIFT: VSG SPOA10-SPEC 0065 CAR LIFT
- 14 CAR LIFT: VSG SPO10-SPEC 0198 CAR LIFT
- 15 CAR LIFT: VSG SPO12-0072 SERIES CAR LIFT
- 16 CAR LIFT: VSG SM014/AR014V
- 17 CHAMPION AIR DRYER
- 18 TIRE DROP
- 19 TIRE CONVEYOR
- 20 SERVICE MANAGER'S STATION
- 21 EMPLOYEE LOCKERS
- 22 BAR STOOLS AND COMPUTER TECH CENTER COUNTER
- 23 SALES COUNTER
- 24 WALL MOUNTED TV
- 25 FREE AIR INFLATOR- LOCATION TO BE SITE SPECIFIC
- 26 TIRE DISPLAY
- 27 FRONT ROW FALL PROTECTION NETTING FOR RACKING ABOVE
- 28 OIL REELS ABOVE
- 29 FRIDGE/MICROWAVE
- 30 IT CABINET (ABOVE, SHOWN DASHED)
- 31 HAMPER
- 32 WATER COOLER
- 33 INDUSTRIAL OSCILLATING FAN MODEL NO. H-1457 30" BY ULINE. FA TO BE MOUNTED 10'-0" A.F.F. ON WALL OR RACKING SYSTEM. PROVIDE MOUNT HARDWARE AS NEEDED. COORDINATE MOUNTING HEIGHT WITH MAVIS.
- 34 ROLL AROUND OIL CAN
- 35 TRASH CAN

- A. REFER TO RESPONSIBILITY SCHEDULE ON SHEET CS-100 FOR ADDITIONAL INFORMATION. ROUGHING AND FINAL HOOK-UP (PER ELECTRICAL PLANS) BY CONTRACTOR.
- B. CONTRACTOR TO ELIMINATE CRACKING AND CONTROL JOINTS NEAR LIFT INSTALLATION LOCATIONS. RE: S-101 FOR ADDITIONAL INFORMATION. CONTROL JOINT LOCATIONS AND DEPTHS TO BE IN ACCORDANCE WITH STRUCTURAL DRAWINGS. LIFT MFR WILL NOT INSTALL EQUIPMENT ON CRACKED/JOINED CONCRETE.
- C. FINAL LOCATION OF ALL EQUIPMENT TO BE VERIFIED BY MAVIS TIRE AT TIME OF INSTALLATION. ALL EQUIPMENT TO ABIDE BY ANY AND ALL ADA CLEARANCES / REQUIREMENTS.
- D. CONTRACTOR SHALL ENSURE THAT NO CONDUITS OR PIPING IS RUN ALONG THE REAR WALL ADJACENT TO THE TIRE RACKING SYSTEM. ALTERNATIVELY, CONDUITS AND PIPING CAN RUN IN THE CORNERS AND AT THE AISLEWAYS.

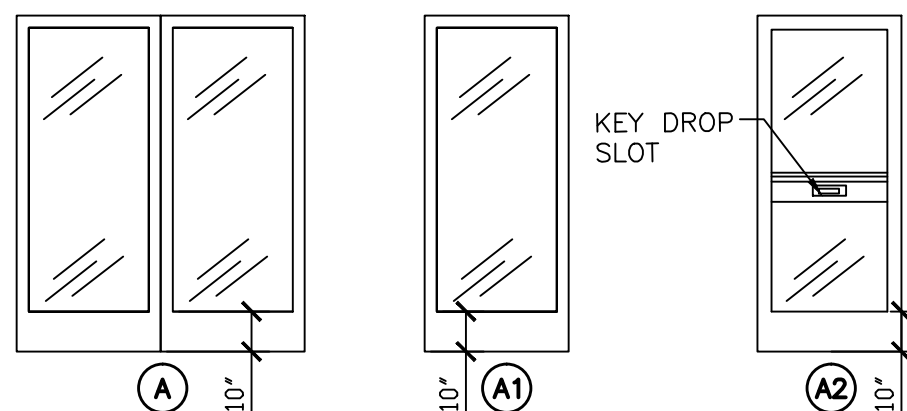


- 1** DIM 'A' = 7 1/4"
NON-RATED PARTITION, 6" MTL. STUDS, 20 GA. WITH 5 1/2" SOUND ATT. BATTS TO DECK. PROVIDE HI-IMPACT GWB AT SERVICE AREA SIDE TO 10'-0" AFF & MRGWB ABOVE 10'-0"
- 1A** DIM 'A' = 4 7/8"
NON-RATED PARTITION, 3-5/8" MTL. STUDS, 18 GA. PROVIDE HI-IMPACT GWB AT SERVICE AREA SIDE TO 10'-0" AFF & MRGWB ABOVE 10'-0"
- 1B** DIM 'A' = 4 7/8"
NON-RATED PARTITION, 3-5/8" MTL. STUDS, 18 GA. WITH 3 1/2" SOUND ATT. BATTS TO DECK. PROVIDE HI-IMPACT GWB AT SERVICE AREA SIDE TO 10'-0" AFF & MRGWB ABOVE 10'-0"
- 2** DIM 'A' = 4 7/8"
3 5/8" MTL. STUDS, 20 GA.
- 2A** DIM 'A' = 4 7/8"
3 5/8" MTL. STUDS, 20 GA. W/ 2 1/2" SOUND ATTENUATION BATTS TO 6" ABOVE CEILING
- 2B** DIM 'A' = 7 1/4"
6" MTL. STUDS, 20 GA.
- 2C** DIM 'A' = 7 1/4"
6" MTL. STUDS, 20 GA. W/ 5 1/2" SOUND ATTENUATION BATTS TO 6" ABOVE CEILING
- PARTITION NOTE: USE MOISTURE RESISTANT GWB ON ALL BATHROOM DRYWALL INTERIORS.



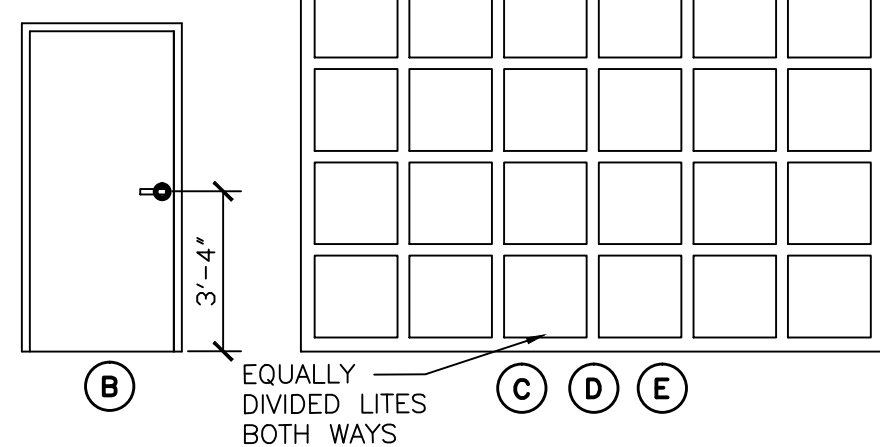
1 TYPICAL WALL TYPES

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



2 DOOR TYPES

SCALE: N.T.S.



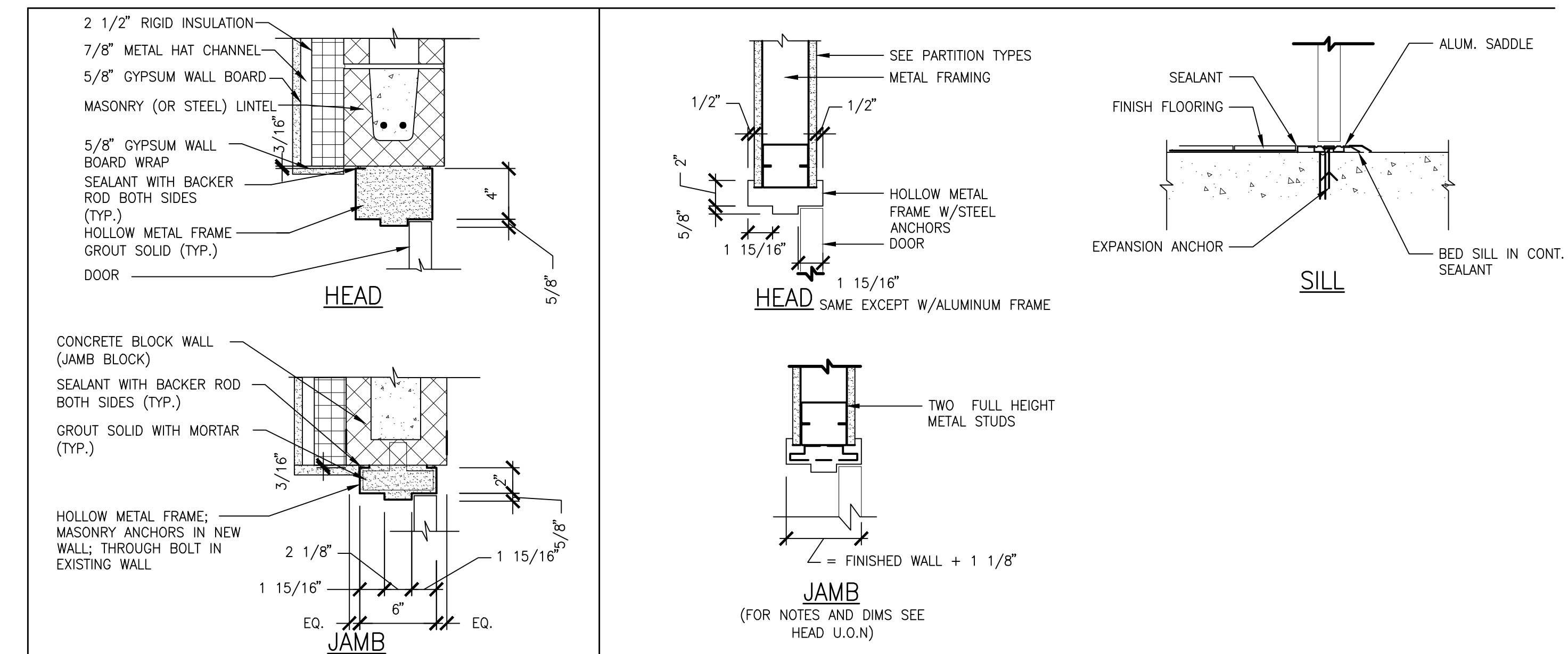
| DOOR SCHEDULE | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------|----------|----------|-----------|------------|-----------|---------|-----------|---------------|-----------------|----------------|----------------|-----------------|--------|----------|----------|------|---------------|----------------------|-------|------------------|
| DOOR NO. | LOCATION | EXTERIOR | INTERIOR | DOOR TYPE | FRAME TYPE | DOOR SIZE | | | DOOR MATERIAL | | | FRAME MATERIAL | | SADDLE | GLASS | | HDWE | COLOR | | NOTES | |
| | | | | | | WIDTH | HEIGHT | THICKNESS | HOLLOW METAL | GALVANIZED H.M. | ALUMINUM/GLASS | STEEL | GALVANIZED H.M. | | ALUMINUM | ALUMINUM | | 1/4" TEMPERED | 1/2" INSUL. TEMPERED | | HARDWARE SET NO. |
| 001 | SHOWROOM | X | | A | | (2) 3'-0" | 7'-0" | 2-1/4" | | | X | | | X | X | | X | 1 | D-2 | D-2 | 1 |
| 002 | SERVICE AREA | X | | A2 | | 3'-0" | 7'-0" | 2-1/4" | | | X | | | X | X | | X | 2 | D-2 | D-2 | 1, 5 |
| 003 | SERVICE AREA | X | | B | M1 | 3'-0" | 7'-0" | 1-3/4" | | X | | | X | | X | | | 4 | D-3 | D-3 | 1 |
| 004 | SHOWROOM | | X | A1 | G1 | 3'-0" | 7'-0" | 1-3/4" | | | X | | | X | X | X | | 3 | D-2 | D-2 | 1 |
| 005 | WOMEN'S ROOM | | X | B | G1 | 3'-0" | 7'-0" | 1-3/4" | X | | | X | | | | | | 5 | D-1 | D-1 | 1 |
| 006 | MEN'S ROOM | | X | B | G1 | 3'-0" | 7'-0" | 1-3/4" | X | | | X | | | | | | 5 | D-1 | D-1 | 1 |
| 007 | MECHANICAL ROOM | | X | B | G1 | 3'-0" | 7'-0" | 1-3/4" | X | | | X | | | | | | 6 | D-1 | D-1 | 1 |
| 008 | STAFF ROOM | | X | B | G1 | 3'-0" | 7'-0" | 1-3/4" | X | | | X | | | X | | | 5 | D-1 | D-1 | 1 |
| 009 | SERVICE AREA | X | | C | S1 | *11'-9" | *12'-1" | | | | X | | | | | | X | | D-2 | | 1, 2, 3, 4 |
| 010 | SERVICE AREA | X | | D | S1 | *12'-0" | *12'-1" | | | | X | | | | | | X | | D-2 | | 1, 2, 3, 4 |
| 011 | SERVICE AREA | X | | D | S1 | *12'-0" | *12'-1" | | | | X | | | | | | X | | D-2 | | 1, 2, 3, 4 |
| 012 | SERVICE AREA | X | | D | S1 | *12'-0" | *12'-1" | | | | X | | | | | | X | | D-2 | | 1, 2, 3, 4 |
| 013 | SERVICE AREA | X | | D | S1 | *12'-0" | *12'-1" | | | | X | | | | | | X | | D-2 | | 1, 2, 3, 4 |
| 014 | SERVICE AREA | X | | D | S1 | *12'-0" | *12'-1" | | | | X | | | | | | X | | D-2 | | 1, 2, 3, 4 |
| 015 | SERVICE AREA | X | | D | S1 | *12'-0" | *12'-1" | | | | X | | | | | | X | | D-2 | | 1, 2, 3, 4 |
| 016 | SERVICE AREA | X | | E | S1 | 12'-1" | 12'-1" | | | | X | | | | | | X | | D-2 | | 1, 2, 3, 4 |
| DOOR SCHEDULE NOTES: | | | | | | | | | | | | | | | | | | | | | |
| 1. RE: PROJECT MANUAL SPECIFICATIONS (081113, 08613, 084113, 087100, 087110) FOR INFO ON DOOR HARDWARE | | | | | | | | | | | | | | | | | | | | | |
| 2. OVERHEAD DOOR TRACKS TO MAINTAIN 14'-0" AFF CLEARANCE AT ALL DOORS DUE TO CAR LIFTS. RE: WALL SECTIONS FOR ADDITIONAL INFO. | | | | | | | | | | | | | | | | | | | | | |
| 3. *G.C. IS RESPONSIBLE FOR MEASURING OPENINGS AND VERIFYING ALL FIELD CONDITIONS BEFORE ORDERING AND INSTALLING OVERHEAD DOORS. DO NOT FABRICATE OVERHEAD DOORS UNTIL FIELD DIMENSIONS ARE VERIFIED. ROUGH OPENINGS TO BE COMPLETED PRIOR TO FIELD VERIFICATION OF DIMENSIONS. | | | | | | | | | | | | | | | | | | | | | |
| 4. PROVIDE TROLLEY OPERATOR AT OVERHEAD DOORS. | | | | | | | | | | | | | | | | | | | | | |
| 5. PROVIDE KEY DROP SLOT IN DOOR CROSS RAIL. PROVIDE CR LAURENCE CO. INC. MODEL NO. MS100A | | | | | | | | | | | | | | | | | | | | | |
| 6. SEE E-100 FOR SECOND OPERATOR CONTROL AT SALES COUNTER AREA FOR EACH DOOR. | | | | | | | | | | | | | | | | | | | | | |

DOOR SCHEDULE NOTES:

- RE: PROJECT MANUAL SPECIFICATIONS (081113, 08613, 084113, 087100, 087110) FOR INFO ON DOOR HARDWARE.
- OVERHEAD DOOR TRACKS TO MAINTAIN 14'-0" AFF CLEARANCE AT ALL DOORS DUE TO CAR LIFTS. RE: WALL SECTIONS FOR ADDITIONAL INFO.
- *G.C. IS RESPONSIBLE FOR MEASURING OPENINGS AND VERIFYING ALL FIELD CONDITIONS BEFORE ORDERING AND INSTALLING OVERHEAD DOORS. DO NOT FABRICATE OVERHEAD DOORS UNTIL FIELD DIMENSIONS ARE VERIFIED. ROUGH OPENINGS TO BE COMPLETED PRIOR TO FIELD VERIFICATION OF DIMENSIONS.
- PROVIDE TROLLEY OPERATOR AT OVERHEAD DOORS.
- PROVIDE KEY DROP SLOT IN DOOR CROSS RAIL. PROVIDE CR LAURENCE CO. INC. MODEL NO. MS100A
- SEE E-100 FOR SECOND OPERATOR CONTROL AT SALES COUNTER AREA FOR EACH DOOR.

3 DOOR AND HARDWARE SCHEDULE

SCALE: NONE

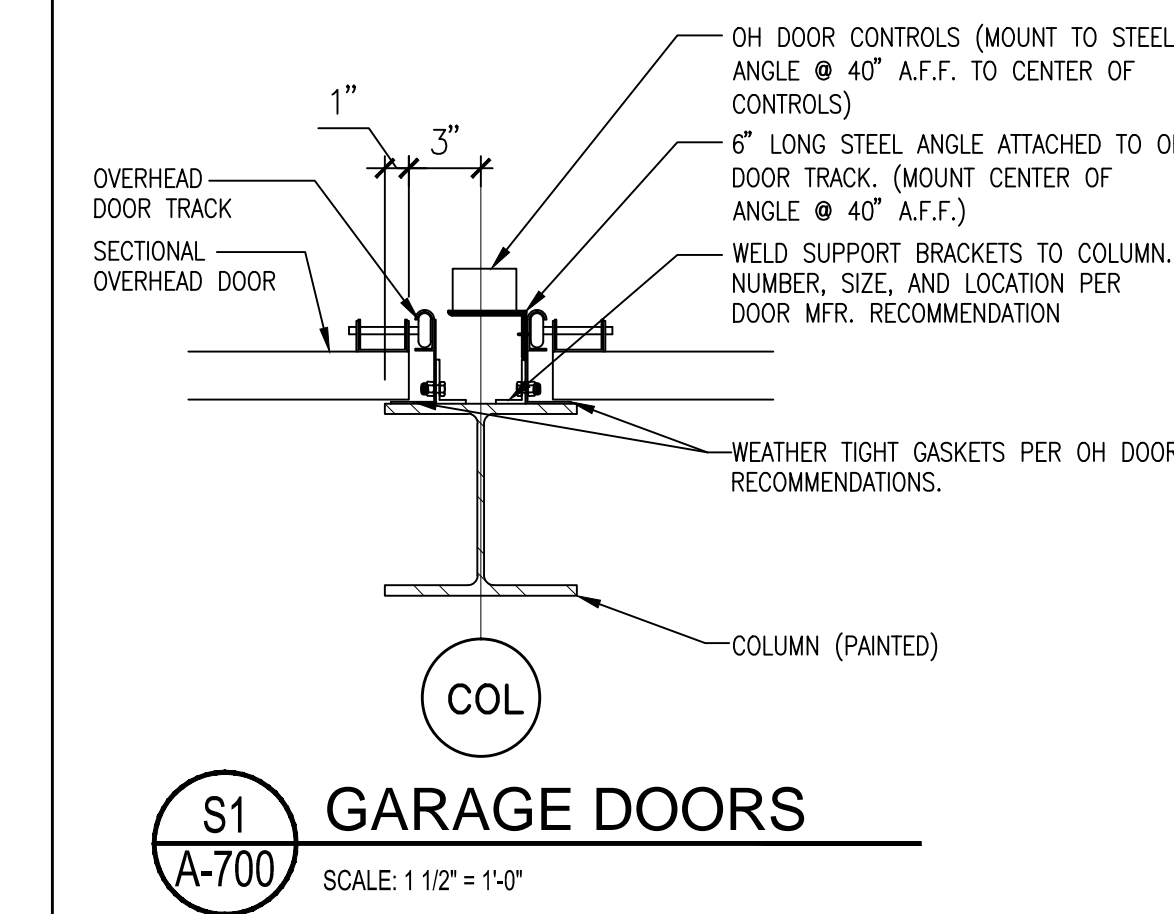


M1 INTERIOR SINGLE WYTHE 8" OR LARGER

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

G1 HOLLOW METAL

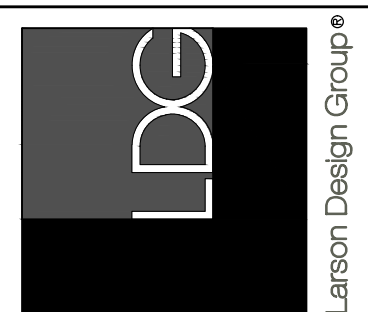
SCALE: 1 1/2" = 1'-0"



MAR 11 2019

8-BAY SINGLE SIDED

| NO. | DATE | ISSUED | COMMENTS | BY | CHKD |
|-----|------------|--------|----------|-----|------|
| 1 | 03/11/2018 | | | XXX | XXX |
| 2 | | | | | |
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| 8 | | | | | |
| 9 | | | | | |
| 10 | | | | | |



SCHEDULE & DETAILS

MAVIS DISCOUNT TIRE #X - CITY, STATE

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Williamstown, PA 17701
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FAX 570.323.9802 • www.larsondesigngroup.com

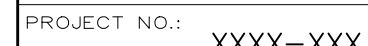
MAVIS TIRE SUPPLY, LLC
358 SAW MILL RIVER ROAD
MILLWOOD, NY 10546
PHONE (914) 984-2500

SHEET NO.:

A-700

PROJECT NO.:

XXXX-XXX



1 PLAN
A-801 SCALE: 1/2" = 1'-0"

2 TYPICAL WALL SECTION
A-801 SCALE: 1/2" = 1'-0"

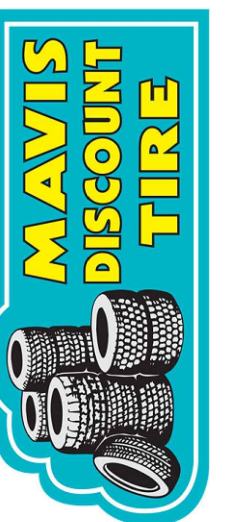
3 FRONT ELEVATION
A-801 SCALE: 1/2" = 1'-0"

4 SIDE ELEVATIONS (REAR SIMILAR)
A-801 SCALE: 1/2" = 1'-0"

NOTE: REFER TO FLOOR PLAN FOR LOCATION

5 AIR INFLATOR PAD PLAN
A-801 SCALE: 1" = 1'-0"

6 AIR INFLATOR SECTION
A-801 SCALE: 1" = 1'-0"

[illegible]

1. GENERAL

1.1. PROJECT LOCATION

A. ADDRESS.....ADDRESS
TOWN, STATE ZIP

B. MUNICIPALITY....CITY OF XXX, XXX COUNTY,STATE

1.2. BUILDING CODES AND STANDARDS

A. STATE BUILDING CODE (XXBC)

B. INTERNATIONAL BUILDING CODE (IBC), 20XX AS ADOPTED AND MODIFIED BY THE XXXX

C. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) – MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, 20XX EDITION (ASCE 7)

1.3. OCCUPANCY

A. CLASSIFICATION.....RE: ARCH
CATEGORY.....II

1.4. DESIGN LOADS

A. DEAD LOADS
1. ROOF.....20 PSF

B. LIVE LOADS
1. ROOF (MINIMUM).....20 PSF
2. SLAB ON GRADE.....100 PSF

C. SNOW LOADS
1. GROUND SNOW LOAD (Pg).....30 PSF
2. SNOW LOAD IMPORTANCE FACTOR (Is).....1.0
3. TEMPERATURE FACTOR (Ct).....1.0
4. EXPOSURE FACTOR(Ce).....1.0
5. FLAT ROOF SNOW LOAD (P_f).....21 PSF

D. WIND LOADS
1. ULTIMATE WIND SPEED (V_{ult}), 3 SECOND GUST.....115 MPH
2. WIND IMPORTANCE FACTOR.....1.0
3. WIND EXPOSURE.....B
4. INTERNAL PRESSURE COEFFICIENT.....±0.18
5. COMPONENT & CLADDING DESIGN WIND PRESSURE
a. ROOF PRESSURE (100 SF).....-25.8 PSF, +16.0 PSF
b. WALL PRESSURE (100 SF).....-22.6 PSF, +18.6 PSF

E. EARTHQUAKE DESIGN DATA
1. RISK CATEGORY.....II
2. SEISMIC IMPORTANCE FACTOR (I_e).....1.0
3. S_s.....XX X/g
4. S₁.....XX X/g
5. SITE CLASS.....D
6. SPECTRAL RESPONSE COEFFICIENTS
a. S_s.....0.XXX
b. S₁.....0.XXX
7. SEISMIC DESIGN CATEGORY.....X
8. BASIC SEISMIC-FORCE RESISTING SYSTEM
STEEL ORDINARY CONCENTRICALLY BRACED FRAMES
9. SEISMIC RESPONSE COEFFICIENT (C_s).....0.089
10. RESPONSE MODIFICATION FACTOR (R).....3.25
11. DESIGN BASE SHEAR.....0.089W
12. ANALYSIS PROCEDURE.....EQUIVALENT LATERAL FORCE

F. LATERAL EARTH PRESSURE
1. AT REST EARTH PRESSURE.....N/A
2. ACTIVE EARTH PRESSURE.....N/A

G. FLOOD LOADS.....N/A

1.5. GENERAL REQUIREMENTS

A. VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING WORK OR FABRICATING MATERIALS. NOTIFY STRUCTURAL ENGINEER OF RECORD (SER) OF ANY DISCREPANCIES BEFORE PROCEEDING WITH ANY PHASE OF WORK.

B. VERIFY THE LOCATION OF CHASES, INSERTS, OPENINGS, SLEEVES, FINISHES, DEPRESSIONS, PADS, AND WALL OPENINGS.

C. DO NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS.

D. DETAILS LABELED "TYPICAL DETAILS" ON DRAWINGS APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH DETAILS APPLY WHETHER OR NOT DETAILS ARE REFERENCED AT EACH LOCATION. NOTIFY SER OF CONFLICT REGARDING APPLICABILITY OF "TYPICAL DETAILS".

E. DO NOT LOAD THE SLAB ON GRADE OR SUPPORTED SLAB WITH ERECTION CRANES OR ERECTION EQUIPMENT. THE SLABS HAVE NOT BEEN DESIGNED FOR CRANE LOADS AND WILL REQUIRE AN INCREASE IN THICKNESS AND/OR REINFORCEMENT. OBTAIN SER APPROVAL ON PROPOSED CRANE SUPPORT PLAN FOR SLABS PRIOR TO COMMENCING WORK.

F. DO NOT STORE OR STACK CONSTRUCTION MATERIALS ON POURED OR ERECTED FLOORS/ROOFS IN EXCESS OF 80 PERCENT OF LIVE LOAD. GENERAL CONTRACTOR SHALL ENSURE THAT ALL SUB-CONTRACTORS ARE INFORMED OF LOADING RESTRICTIONS. AVOID IMPACT WHEN PLACING MATERIALS ON POURED OR ERECTED FLOORS OR ROOF.

G. THE CONTRACT STRUCTURAL DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION TO PROVIDE ALL MEASURES REQUIRED TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION; INCLUDING BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, FORMS AND SCAFFOLDING, SHORING OF RETAINING WALLS AND OTHER TEMPORARY SUPPORTS AS REQUIRED. COMPLY WITH APPLICABLE REQUIREMENTS OF OSHA AND OTHER GOVERNING BODIES HAVING JURISDICTION AT THE SITE.

H. PRINCIPAL OPENINGS THROUGH THE FRAMING ARE SHOWN ON DRAWINGS. EXAMINE THE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR THE REQUIRED OPENINGS AND PROVIDE FOR REQUIRED OPENINGS WHETHER SHOWN ON THE STRUCTURAL DRAWINGS OR NOT. VERIFY SIZE AND LOCATION OF OPENINGS WITH THE MECHANICAL CONTRACTOR. DEVIATIONS FROM THE OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE APPROVED BY THE SER PRIOR TO IMPLEMENTING THE CHANGES.

J. LOADINGS FOR MECHANICAL EQUIPMENT ARE BASED ON THE UNITS SHOWN ON THE MECHANICAL DRAWINGS. ANY CHANGES IN TYPE, SIZE, OR NUMBER OF PIECES OF EQUIPMENT SHALL BE REPORTED TO THE SER FOR VERIFICATION OF THE ADEQUACY OF SUPPORTING MEMBERS PRIOR TO THE PLACEMENT OF SUCH EQUIPMENT.

K. SEE ARCHITECTURAL DRAWINGS FOR ELEVATIONS NOT SHOWN AND FOR EXACT LOCATIONS OF ALL SLAB DEPRESSIONS. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL SECTIONS WITH ARCHITECTURAL SECTIONS AND REPORT ANY DISCREPANCY TO THE SER PRIOR TO FABRICATING OR INSTALLING STRUCTURAL MEMBERS.

1.6 SPECIAL INSPECTIONS

A. SPECIAL INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE GOVERNING BUILDING CODE AND THE STATEMENT OF REQUIRED SPECIAL INSPECTIONS PREPARED BY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

B. WHERE SPECIAL INSPECTION REQUIREMENTS DUPLICATE THE REQUIREMENTS OF OTHER SPECIFIED TESTING, DUPLICATE INSPECTIONS SHALL NOT BE REQUIRED.

2. EARTHWORK AND FOUNDATIONS

2.1 EARTHWORK AND FOUNDATION DESIGN IS BASED UPON THE GEOTECHNICAL REPORT ENTITLED, "[XXXXXXXXX]" PERFORMED BY [XXXXXX], PROJECT NO. XXXXXX, DATED MONTH XX, 20XX.

2.2 THE CONTRACTOR SHALL PROVIDE AND OPERATE DEWATERING EQUIPMENT AND BE RESPONSIBLE FOR MAINTAINING EXCAVATIONS AND WORK AREAS IN A DRY CONDITION. WATER SHALL BE DISCHARGED TO A LOCATION SUITABLE TO THE SER AND IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

2.3 ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE.

2.4 BACKFILL

A. ALL BACKFILL AND TRENCHING OPERATIONS SHALL COMPLY WITH ALL CURRENT AND APPLICABLE LOCAL, STATE AND FEDERAL SAFETY CODES, INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.

B. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE SHORING OF THE NEW AND EXISTING CONSTRUCTION DURING CONSTRUCTION OPERATIONS IN ORDER TO PREVENT ANY DAMAGE DUE TO BACKFILLING AND TRENCHING.

2.5 STRUCTURAL FILL

A. STANDARDS

1. [STATE] DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (XXDOT)

B. MATERIALS

1. GENERAL AGGREGATE.....XXDOT SPECIFICATIONS SECTION XXXX

2. CONTROLLED LOW STRENGTH MATERIAL.....XXDOT SPECIFICATIONS

C. EXECUTION

1. AFTER ACHIEVING FINISHED SUBGRADE IN CUT AREAS AND PRIOR TO PLACING STRUCTURAL FILL IN AREAS BELOW FINISHED SUBGRADE, THE EXPOSED SUBGRADE SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER OF RECORD TO CONFIRM THAT ALL UNSUITABLE OR UNSTABLE MATERIALS HAVE BEEN REMOVED.

2. UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT, ALL STRUCTURAL FILL SHALL BE PLACED IN HORIZONTAL LIFTS NOT EXCEEDING EIGHT (8) INCHES IN LOOSE THICKNESS AND WITHIN TWO (2) PERCENT OF OPTIMUM MOISTURE FOR COMPACTION. THE STRUCTURAL FILL SHALL BE COMPACTED TO 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY STANDARD PROCTOR (ASTM D698).

3. MAINTAIN SUBGRADE AND STRUCTURAL FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED.

2.6 GRANULAR BASE MATERIAL

A. A MINIMUM OF FOUR (4) INCHES OF GRANULAR BASE MATERIAL SHALL BE PLACED UNDER ALL CONCRETE SLABS--ON--GRADE.

B. MATERIAL

1. INTERIOR SLABS--ON--GRADE.....XXX SPECIFICATIONS SECTION 302.1

2. EXTERIOR SLABS--ON--GRADE.....AASHTO NO. 57 AGGREGATE

2.7 FOUNDATIONS

A. ALL BEARING AREAS FOR FOUNDATIONS SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER OF RECORD PRIOR TO ANY PLACEMENT OF CONCRETE. IF BEARING AREAS ARE NOT SUITABLE, AS DETERMINED BY THE GEOTECHNICAL ENGINEER, THE CONTRACTOR MAY BE REQUESTED TO CARRY THE EXCAVATION DEEPER TO MORE SUITABLE BEARING MATERIAL.

B. FOOTING DESIGN IS BASED ON 1,500 PSF NET ALLOWABLE SOIL PRESSURE.

C. DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST OR ICE.

D. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS AND GRADE BEAMS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES AND CONDUITS ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS. LOWER FOOTINGS PARALLEL TO PIPE RUNS TO ALLOW SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.

E. COORDINATE WITH ELECTRICAL CONTRACTOR AND ELECTRICAL ONE-LINE DIAGRAM FOR PROPER BONDING OF THE FOOTING REINFORCEMENT TO THE GROUNDING SYSTEM.

3. CONCRETE

3.1 REFER TO SPECIFICATION SECTION 033000 AND THE TABLES PROVIDED ON THE DRAWINGS.

4. MASONRY

4.1 REFER TO SPECIFICATION SECTION 042000.

5.1 STRUCTURAL STEEL – REFER TO SPECIFICATION SECTION 051200 AND THE REQUIREMENTS BELOW.

A. STANDARDS

1. AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC)– SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, (AISC 360–10)
2. AMERICAN IRON AND STEEL INSTITUTE (AISI S100–07)
3. AISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS, 2004 EDITION
4. AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE – STEEL (AWS D1.1–04)

B. MATERIALS

1. WIDE FLANGE AND WT SHAPES.....ASTM A992, GRADE 50
2. ANGLES, CHANNELS AND PLATES.....ASTM A36
3. HOLLOW STRUCTURAL SHAPES.....ASTM A500, GRADE B
4. ANCHOR RODS.....ASTM F1554, 36 KSI BOLTS:
 - a. HIGH STRENGTH.....ASTM A325, TYPE 1 (PROVIDE (2) 3/4" DIA MINIMUM PER CONNECTION)
6. NUTS.....ASTM A563, GRADE C
7. HARDENED WASHERS.....ASTM F436, TYPE 1
8. PLATE WASHERS.....ASTM A36 (360–05; TABLE 14–2)
9. WELD ELECTRODES.....AWS CLASS E70XX (LOW HYDROGEN)
10. GROUT.....ASTM C1107
(NON–METALLIC AND SHRINKAGE RESISTANT WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 6,000 PSI)

C. EXECUTION

1. DESIGN AND DETAIL STRUCTURAL STEEL ELEMENTS IN ACCORDANCE WITH ALL APPLICABLE STANDARDS. STRUCTURAL STEEL ERECTION SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS.
2. PRIOR TO FABRICATION, STEEL FABRICATOR SHALL PREPARE AND SUBMIT AN ELECTRONIC (PDF) COPY OF SHOP DRAWINGS (ERECTION AND DETAILS) TO THE SER FOR REVIEW AND APPROVAL. SHOP DRAWINGS SHALL BE SEALED BY A PROFESSIONAL ENGINEER THAT IS REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. FABRICATOR IS RESPONSIBLE FOR ALL ERRORS ON THE SHOP DRAWINGS, ERRORS DURING FABRICATION AND THE CORRECT FITTING OF STRUCTURAL STEEL MEMBERS.
3. PROVIDE WASHERS FOR ALL CONNECTIONS THAT INCLUDE STANDARD, OVERSIZE AND SHORT–SLOTTED HOLES. 5/16" THICK MINIMUM PLATE STEEL (A36) WASHERS SHALL BE PROVIDED FOR ALL LONG–SLOTTED HOLES AND HOLES FOR ANCHOR RODS UNLESS NOTED. PLATE WASHERS SHALL COMPLETELY COVER ALL LONG–SLOTTED HOLES.
4. PROVIDE MINIMUM SIZE FILLET WELDS AND MINIMUM EFFECTIVE THROAT THICKNESSES OF PARTIAL PENETRATION GROOVE WELDS AS SPECIFIED BY SPECIFICATION SECTION "J" OF THE AISC MANUAL. DEVELOP THE FULL TENSILE STRENGTH OF THE MEMBER(S) JOINED ON ALL SHOP AND FIELD WELDS UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS. ALL WELD LENGTHS ARE CONTINUOUS FOR THE FULL LENGTH OF THE MEMBER(S) UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS.
5. FABRICATION:
 - a. PRIOR TO AND DURING FABRICATION PROCEDURES, ALL STRUCTURAL STEEL SHALL BE FREE OF MILL SCALE, RUST, OIL, GREASE OR ANY OTHER FOREIGN MATTER. IN ADDITION, ALL STEEL SURFACES TO BE PAINTED SHALL BE PREPARED IN ACCORDANCE TO SSPC–SP2, "HAND TOOL CLEANING".
 - b. FABRICATE AND ASSEMBLE STRUCTURAL STEEL MEMBERS AND ASSEMBLIES IN THE SHOP TO THE GREATEST EXTENT POSSIBLE. SHOP WELDING PROCEDURES SHALL BE PERFORMED AND SEQUENCED SO AS TO MINIMIZE WELD SHRINKAGE STRESSES AND DISTORTION OF THE MEMBER(S).
 - c. PROVIDE SIMPLE SHEAR CONNECTIONS FOR STRUCTURAL STEEL CONNECTIONS NOT SPECIFIED OTHERWISE, UTILIZING HIGH STRENGTH BEARING BOLTS IN SINGLE OR DOUBLE SHEAR. PROVIDE DOUBLE ANGLE OR SINGLE PLATE SHEAR TAB BOLTED CONNECTIONS. UNLESS A LARGER REACTION IS SHOWN ON THE DRAWINGS, CONNECTIONS SHALL DEVELOP THE FULL STRENGTH OF THE MEMBER.
 - d. FINISH STEEL COLUMN ENDS TO FIT FLUSH WITH BASE AND CAP PLATES. FINISH BEAM ENDS TO FIT FLUSH WITH END PLATES. FIELD ASSEMBLY OF THESE PLATE ELEMENTS IS NOT PERMITTED.
 - e. BRACE CONNECTIONS SHALL BE PROVIDED PER THE DETAILS SHOWN ON THE DESIGN DRAWINGS. WHERE FORCES ARE NOT INDICATED ON THE DESIGN DRAWINGS, DESIGN CONNECTIONS OF BRACING MEMBERS THAT DEVELOP THE FULL TENSILE STRENGTH OF THE MEMBERS. ALL GUSSET PLATE, ANGLE AND WELD SIZES SHALL BE DESIGNED TO RESIST ALL TENSILE, SHEAR AND MOMENT FORCES CAUSED BY CONCENTRIC AND ECCENTRIC LOADING CONDITIONS. ALL BOLTED CONNECTIONS FOR BRACING MEMBERS SHALL BE FULLY TENSIONED, UTILIZING HIGH STRENGTH CLASS A "SLIP–CRITICAL" BOLTS.
 - f. WITH THE EXCEPTION OF CONTACT SURFACES FOR "SLIP–CRITICAL" CONNECTIONS AND STRUCTURAL STEEL TO BE EMBEDDED IN CONCRETE, ALL STRUCTURAL STEEL SHALL RECEIVE ONE COAT OF RUST–INHIBITIVE PRIMER AS SELECTED AND APPROVED BY THE OWNER WITH A MINIMUM 1.5 MILS DRY FILM THICKNESS. FURNISH SHOP PRIMER TO THE ERECTOR IN SUFFICIENT QUANTITY FOR FIELD–TOUCH OF ALL FIELD WELDS AND ABRASIONS. OMIT PRIMER ON STEEL SURFACES WHERE SPRAY–ON FIRE–PROOFING IS REQUIRED.
6. ERECTION:
 - a. USE PROCEDURES, INCLUDING TEMPORARY BRACES OR GUYS, AS REQUIRED AT ALL TIMES TO MAINTAIN SAFETY AND STABILITY OF THE STRUCTURE. TEMPORARY BRACING PROCEDURES IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL REMAIN IN PLACE PRIOR TO THE COMPLETE INSTALLATION OF ALL PERMANENT BRACING ELEMENTS AND SYSTEMS.
 - b. FIELD CORRECTIONS AND GAS CUTTING OF FABRICATED STRUCTURAL STEEL MEMBERS IS NOT PERMITTED. SPLICING OF STRUCTURAL STEEL MEMBERS CAN NOT BE PERFORMED WITHOUT PRIOR APPROVAL OF THE SER.
 - c. INSTALL GROUT UNDER COLUMN BASE PLATES AND BEARING PLATES IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. FILL ENTIRE GROUT SPACE SO AS TO PROVIDE FULL PLATE BEARING.
 - d. ALL STRUCTURAL STEEL SURFACES TO BE FIELD WELDED SHALL BE PREPARED SO AS TO BE FREE OF ALL RUST, OIL, GREASE OR FOREIGN MATTER WITHIN ONE INCH MINIMUM OF THE WELD LINE. ERECTOR SHALL TOUCH–UP ALL FIELD WELDS AND ABRASIONS WITH SHOP PRIMER FURNISHED BY THE FABRICATOR.

5.2 STEEL JOISTS – REFER TO SPECIFICATION 052100

5.3 STEEL DECKING – REFER TO SPECIFICATION 053100

5.4 COLD-FORMED METAL FRAMING AND TRUSSES – REFER TO SPECIFICATION SECTION 054000 AND THE REQUIREMENTS BELOW.

A. STANDARDS

1. AMERICAN IRON AND STEEL INSTITUTE (AISI) NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (AISI S100-07)
2. (AISI) NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING – GENERAL PROVISIONS (AISI S200-07)
3. (AISI) NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING – FLOOR AND ROOF SYSTEM DESIGN (AISI S210-07)
4. (AISI) NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING – WALL STUD DESIGN (AISI S211-07)
5. (AISI) NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING – HEADER DESIGN (AISI S212-07)
6. (AISI) NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING – LATERAL DESIGN (AISI S213-07)
7. (AISI) NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING – TRUSS DESIGN WITH SUPPLEMENT 2, DATED 2008 (AISI S214-07)
8. AWS STRUCTURAL WELDING CODE – SHEET STEEL (AWS D1.3-98)

B. MATERIALS

1. ZINC COATED STEEL SHEET.....ASTM A1003
2. LOAD-BEARING COLD-FORMED MEMBERS.....ASTM C955-07
 - a. STEEL STUDS:
 - 1) MINIMUM UNCOATED STEEL THICKNESS.....0.0428 INCH
 - 2) MINIMUM FLANGE WIDTH.....1 5/8 INCHES
 - b. STEEL TRACK:
 - 1) MINIMUM UNCOATED STEEL THICKNESS.....MATCH STUD
 - 2) MINIMUM FLANGE WIDTH.....1 1/4 INCHES
 - c. STEEL DEFLECTION TRACK:
 - 1) MINIMUM UNCOATED STEEL THICKNESS.....0.0538 INCH
 - 2) MINIMUM FLANGE WIDTH.....2 INCHES
3. POWER-ACTUATED ANCHORS.....ASTM E1190
4. MECHANICAL FASTENERS.....ASTM C1513
5. ALL STRUCTURAL FRAMING ACCESSORIES INCLUDING BUT NOT LIMITED TO VERTICAL AND LATERAL DEFLECTION CONNECTIONS, DRIFT CLIPS, RIGID CONNECTIONS AND BRIDGING CLIPS SHALL BE FORMED FROM STRUCTURAL QUALITY STEEL WITH A MINIMUM YIELD STRENGTH OF 50 KSI AND HAVE A MINIMUM PROTECTIVE COATING COMPLYING WITH ASTM A1003 OR ASTM A1035 (660) GALVANIZED COATING.
6. BASIS OF DESIGN CONNECTION MANUFACTURER IS THE STEEL NETWORK, INC OF DURHAM, NC – WWW.STEELNETWORK.COM

C. EXECUTION

1. DESIGN AND DETAIL STRUCTURAL ELEMENTS IN ACCORDANCE WITH ALL APPLICABLE STANDARDS. ONLY MANUFACTURERS WHO ARE MEMBERS OF THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) WILL BE ACCEPTED. THE INSTALLATION SHALL COMPLY WITH THE MANUFACTURER'S RECOMMENDATIONS.
2. PRIOR TO FABRICATION, FABRICATOR SHALL PREPARE AND SUBMIT AN ELECTRONIC (PDF) COPY OF SHOP DRAWINGS SHOWING LAYOUT, SPACINGS, SIZES, THICKNESSES AND TYPES OF COLD-FORMED METAL FRAMING, FABRICATION, AND FASTENING AND ANCHORAGE DETAILS, INCLUDING MECHANICAL FASTENERS. SHOW REINFORCING CHANNELS, OPENING FRAMING, SUPPLEMENTAL FRAMING, STRAPPING, BRACING, BRIDGING, SPLICES, ACCESSORIES, CONNECTION DETAILS AND ATTACHMENT TO ADJOINING WORK. IN ADDITION, FABRICATOR SHALL PROVIDE DESIGN CALCULATIONS PERFORMED BY AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE JURISDICTION WHERE THE PROJECT IS LOCATED AND EXPERIENCED IN PROVIDING ENGINEERING SERVICES OF THE KIND INDICATED.
3. VERTICAL DEFLECTION AND LATERAL DRIFT CONNECTIONS SHALL ALLOW FOR POSITIVE ATTACHMENT TO STRUCTURE AND STUD WEB USING STEP-BUSHING TECHNOLOGY TO PROVIDE FRICITIONLESS, VERTICAL AND LATERAL MOVEMENT. CONNECTION PRODUCTS ARE REQUIRED TO HAVE A VALID ICC ESR REPORT (ESR-1903 AND ESR-2049 RESPECTIVELY) OR EQUIVALENT COMPLYING WITH ICC ACCEPTANCE CRITERIA AC261.
4. PROTECT COLD-FORMED METAL FRAMING FROM CORROSION, DEFORMATION AND OTHER DAMAGE DURING DELIVERY, STORAGE AND HANDLING.
5. PLACE ALL COLD-FORMED STEEL STUD HORIZONTAL WALL BRIDGING 48 INCHES ON CENTER MAXIMUM, VERTICALLY (UNLESS NOTED OTHERWISE).
6. INSTALL AXIALLY LOADED STUDS IN A MANNER WHICH WILL ASSURE THAT THEIR ENDS ARE POSITIONED AGAINST THE INSIDE OF TRACK WEB PRIOR TO FASTENING. PLUMB, ALIGN AND SECURELY ATTACH STUDS TO THE FLANGES OF BOTH UPPER AND LOWER TRACKS. SPLICES IN STUDS ARE NOT PERMITTED.
7. SECURELY ANCHOR TRACKS TO THE SUPPORTING STRUCTURE. PROVIDE COMPLETE, UNIFORM AND LEVEL BEARING SUPPORT FOR THE TOP AND BOTTOM TRACKS.
8. FRAMING OF WALL OPENINGS SHALL INCLUDE HEADERS AND SUPPORTING STUDS AS RECOMMENDED BY THE STUD MANUFACTURER.

STRUCTURAL NOTES

MAVIS DISCOUNT TIRE #X - CITY, STATE

| | |
|--|---|
| MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 PHONE (914) 984-2500 | Larson Design Group • Architects Engineers Surveyors 1000 Commerce Park Drive • Suite 201 Williamsport, PA 17701 PHONE 570.323.6603 TOLL FREE 877.323.6603 FAX 570.323.9902 • www.larsondesigngroup.com |
|--|---|

SHEET NO.:

S-001

PROJECT NO.: XXXX-XXX

| CONCRETE MIX A | | | |
|---|----------|-------|---|
| 28 DAY COMPRESSIVE STRENGTH (f'c)..... 3,000 PSI | | | |
| LOCATION: FOOTINGS | | | |
| | SEVERITY | CLASS | CONDITION |
| F FREEZING AND THAWING | N/A | F0 | CONCRETE NOT EXPOSED TO FREEZING--AND-- THAWING CYCLES |
| S SULFATE | N/A | S0 | WATER --SOLUBLE SULFATE (S04) IN SOIL, PERCENT BY MASS |
| | | | DISSOLVED SULFATE (S04) IN WATER, PPM |
| | | | S04 < 0.10 |
| | | | S04 < 150 |
| W IN CONTACT WITH WATER | N/A | W0 | CONCRETE IN CONTACT WITH WATER AND LOW PERMEABILITY IS NOT REQUIRED |
| C CORROSION PROTECTION OF REINFORCEMENT | N/A | C1 | CONCRETE EXPOSED TO MOISTURE BUT NOT TO EXTERNAL SOURCES OF CHLORIDES |

NOTES:

1. REFERENCE ACI 318-14 TABLE 19.3.1.1--EXPOSURE CATEGORIES AND CLASSES

CONCRETE TESTING:

1. PERFORM SLUMP, AIR CONTENT, COMPRESSION, AND CONCRETE TEMPERATURE TESTING IN ACCORDANCE WITH THE PROJECT STATEMENT OF SPECIAL
2. OBTAIN NO FEWER THAN TWO COMPOSITE SAMPLES FOR CONCRETE MIX A.
3. OBTAIN AT LEAST ONE COMPOSITE SAMPLE FOR EACH DAY CONCRETE IS PLACED.

| CONCRETE MIX B | | | | |
|---|----------|-------|--|---|
| 28 DAY COMPRESSIVE STRENGTH (f'c)..... 4,500 PSI | | | | |
| LOCATION: PIERS | | | | |
| | SEVERITY | CLASS | CONDITION | |
| F FREEZING AND THAWING | N/A | F2 | CONCRETE EXPOSED TO FREEZING-- AND--THAWING CYCLES WITH FREQUENT EXPOSURE TO WATER | |
| S SULFATE | N/A | SO | WATER --SOLUBLE SULFATE (SO4) IN SOIL, PERCENT BY MASS | DISSOLVED SULFATE (SO4) IN WATER, PPM |
| | | | SO4 < 0.10 | SO4 < 150 |
| W IN CONTACT WITH WATER | N/A | WO | CONCRETE IN CONTACT WITH WATER AND LOW PERMEABILITY IS NOT REQUIRED | |
| C CORROSION PROTECTION OF REINFORCEMENT | N/A | C1 | CONCRETE EXPOSED TO MOISTURE BUT NOT TO EXTERNAL SOURCES OF CHLORIDES | |
| NOTES: | | | | |
| 1. REFERENCE ACI 318-14 TABLE 19.3.1.1--EXPOSURE CATEGORIES AND CLASSES | | | | |
| 2. PROVIDE AIR--ENTRAINED ADMIXTURE | | | | |
| CONCRETE TESTING: | | | | |
| 1. PERFORM SLUMP, AIR CONTENT, COMPRESSION, AND CONCRETE TEMPERATURE TESTING IN ACCORDANCE WITH THE PROJECT STATEMENT OF SPECIAL INSPECTION | | | | |
| 2. OBTAIN NO FEWER THAN TWO COMPOSITE SAMPLES FOR CONCRETE MIX B. | | | | |
| 3. OBTAIN AT LEAST ONE COMPOSITE SAMPLE FOR EACH DAY CONCRETE IS PLACED. | | | | |

| CONCRETE MIX C | | | |
|---|----------|-------|---|
| 28 DAY COMPRESSIVE STRENGTH (f'c)..... 4,000 PSI | | | |
| LOCATION: INTERIOR SLABS | | | |
| | SEVERITY | CLASS | CONDITION |
| F FREEZING AND THAWING | N/A | F0 | CONCRETE NOT EXPOSED TO FREEZING--AND--THAWING CYCLES |
| S SULFATE | N/A | S0 | WATER --SOLUBLE SULFATE (S04) IN SOIL, PERCENT BY MASS |
| | | | DISSOLVED SULFATE (S04) IN WATER, PPM |
| | | | S04 < 0.10 |
| W IN CONTACT WITH WATER | N/A | W0 | CONCRETE IN CONTACT WITH WATER AND LOW PERMEABILITY IS NOT REQUIRED |
| C CORROSION PROTECTION OF REINFORCEMENT | N/A | C1 | CONCRETE EXPOSED TO MOISTURE BUT NOT TO EXTERNAL SOURCES OF CHLORIDES |

NOTES:

1. REFERENCE ACI 318-14 TABLE 19.3.1.1--EXPOSURE CATEGORIES AND CLASSES

CONCRETE TESTING:

1. PERFORM SLUMP, AIR CONTENT, COMPRESSION, AND CONCRETE TEMPERATURE TESTING IN ACCORDANCE WITH THE PROJECT STATEMENT OF SPECIAL INSPECTION
2. OBTAIN NO FEWER THAN TWO COMPOSITE SAMPLES FOR CONCRETE MIX C.
3. OBTAIN AT LEAST ONE COMPOSITE SAMPLE FOR EACH DAY CONCRETE IS PLACED.

| TENSION BAR DEVELOPMENT LENGTH | | | | | | | | | |
|--------------------------------|------------------------------|---------------------|-----------------------|---------------------|-----------------------|---------------------|-----------------------|---------------------|-----------------------|
| BAR SIZE | GRADE 60 BAR BAR SPACING: | 3000 PSI | | 4000 PSI | | 4500 PSI | | 5000 PSI | |
| | | (3) Bar Dia or More | Less Than (3) Bar Dia | (3) Bar Dia or More | Less Than (3) Bar Dia | (3) Bar Dia or More | Less Than (3) Bar Dia | (3) Bar Dia or More | Less Than (3) Bar Dia |
| #3 (3/8") | TOP BARS: | 22 | 33 | 19 | 28 | 18 | 27 | 17 | 25 |
| | OTHER BARS: | 17 | 25 | 15 | 22 | 14 | 21 | 13 | 20 |
| #4 (1/2") | TOP BARS: | 29 | 43 | 25 | 37 | 24 | 35 | 23 | 34 |
| | OTHER BARS: | 22 | 33 | 19 | 29 | 18 | 27 | 17 | 26 |
| #5 (5/8") | TOP BARS: | 36 | 54 | 31 | 47 | 30 | 44 | 28 | 42 |
| | OTHER BARS: | 28 | 42 | 24 | 36 | 23 | 34 | 22 | 32 |
| #6 (3/4") | TOP BARS: | 43 | 65 | 37 | 56 | 35 | 53 | 34 | 50 |
| | OTHER BARS: | 33 | 50 | 29 | 43 | 27 | 41 | 26 | 39 |
| #7 (7/8") | TOP BARS: | 63 | 94 | 54 | 81 | 51 | 77 | 49 | 73 |
| | OTHER BARS: | 48 | 72 | 42 | 63 | 40 | 59 | 38 | 56 |
| #8 (1") | TOP BARS: | 72 | 107 | 62 | 93 | 59 | 88 | 56 | 83 |
| | OTHER BARS: | 55 | 83 | 48 | 72 | 45 | 68 | 43 | 64 |
| #9 (1.128") | TOP BARS: | 81 | 121 | 70 | 105 | 66 | 99 | 63 | 94 |
| | OTHER BARS: | 62 | 93 | 54 | 81 | 51 | 76 | 48 | 72 |
| #10 (1.270") | TOP BARS: | 91 | 136 | 79 | 118 | 74 | 111 | 71 | 106 |
| | OTHER BARS: | 70 | 105 | 61 | 91 | 57 | 86 | 54 | 81 |
| #11 (1.410") | TOP BARS: | 101 | 151 | 87 | 131 | 82 | 123 | 78 | 117 |
| | OTHER BARS: | 78 | 116 | 67 | 101 | 64 | 95 | 60 | 90 |

TABLE NOTES:

- LENGTHS APPLY TO UNCOATED REINFORCEMENT IN NORMAL WEIGHT CONCRETE ONLY.
- TOP BARS REFERS TO HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPICE.

| BAR SIZE | GRADE 60 BAR | 3000 PSI | | 4000 PSI | | 4500 PSI | | 5000 PSI | |
|-----------------|--------------|---------------------|-----------------------|---------------------|-----------------------|---------------------|-----------------------|---------------------|-----------------------|
| | | (3) Bar Dia or More | Less Than (3) Bar Dia | (3) Bar Dia or More | Less Than (3) Bar Dia | (3) Bar Dia or More | Less Than (3) Bar Dia | (3) Bar Dia or More | Less Than (3) Bar Dia |
| #3 (3/8") | TOP BARS: | 28 | 42 | 25 | 37 | 23 | 35 | 22 | 33 |
| | OTHER BARS: | 22 | 33 | 19 | 28 | 18 | 27 | 17 | 25 |
| #4 (1/2") | TOP BARS: | 38 | 56 | 33 | 49 | 31 | 46 | 29 | 44 |
| | OTHER BARS: | 29 | 43 | 25 | 37 | 24 | 35 | 23 | 34 |
| #5 (5/8") | TOP BARS: | 47 | 70 | 41 | 61 | 38 | 57 | 36 | 54 |
| | OTHER BARS: | 36 | 54 | 31 | 47 | 30 | 44 | 28 | 42 |
| #6 (3/4") | TOP BARS: | 56 | 84 | 49 | 73 | 46 | 69 | 44 | 65 |
| | OTHER BARS: | 43 | 65 | 37 | 56 | 35 | 53 | 34 | 50 |
| #7 (7/8") | TOP BARS: | 81 | 122 | 71 | 106 | 67 | 100 | 63 | 95 |
| | OTHER BARS: | 63 | 94 | 54 | 81 | 51 | 77 | 49 | 73 |
| #8 (1") | TOP BARS: | 93 | 139 | 81 | 121 | 76 | 114 | 72 | 108 |
| | OTHER BARS: | 72 | 107 | 62 | 93 | 59 | 88 | 56 | 83 |
| #9 (1.128") | TOP BARS: | 105 | 157 | 91 | 136 | 86 | 128 | 81 | 122 |
| | OTHER BARS: | 81 | 121 | 70 | 105 | 66 | 99 | 63 | 94 |
| #10 (1.270") | TOP BARS: | 118 | 177 | 102 | 153 | 96 | 144 | 92 | 137 |
| | OTHER BARS: | 91 | 136 | 79 | 118 | 74 | 111 | 71 | 106 |
| #11 (1.410") | TOP BARS: | 131 | 196 | 114 | 170 | 107 | 160 | 102 | 152 |
| | OTHER BARS: | 101 | 151 | 87 | 131 | 82 | 123 | 78 | 117 |

TABLE NOTES:

- LENGTHS APPLY TO UNCOATED REINFORCEMENT IN NORMAL WEIGHT CONCRETE ONLY.
- TOP BARS REFERS TO HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPICE.

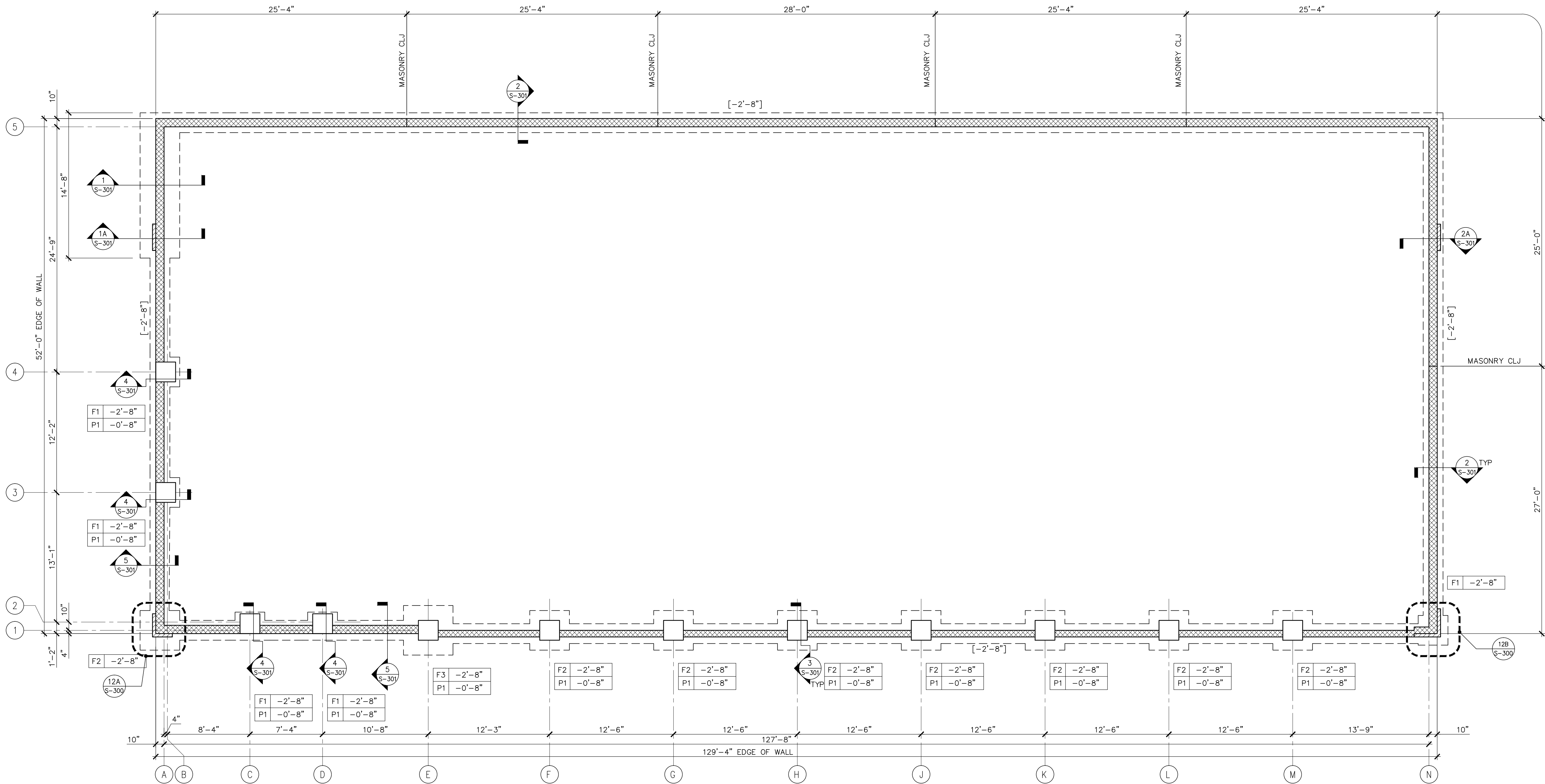
LEGEND

The legend defines the following symbols and their meanings:

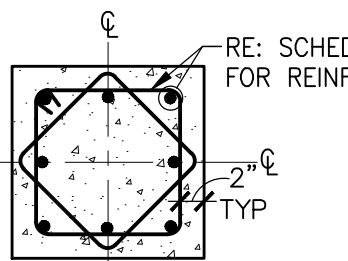
- DIRECTION OF VIEW**: Indicated by an arrow pointing towards the section.
- SECTION OR DETAIL NUMBER**: Indicated by a number inside a triangle (e.g., 1).
- SHEET ON WHICH SECTION/DETAIL IS SHOWN**: Indicated by a number inside a circle (e.g., S.3.1).
- INDICATES DIRECTION OF DOWNWARD SLOPE**: Indicated by a line with a downward-pointing arrow.
- TOP OF STEEL ELEVATION**: Indicated by the notation $(xx'-xx'')$.
- TOP OF CONTINUOUS FOOTING ELEVATION**: Indicated by the notation $[xx'-xx'']$.
- TOP OF FOOTING ELEVATION**: Indicated by a box containing 'F.' and a circle with a dot, followed by $x'-x''$.
- TOP OF PIER ELEVATION**: Indicated by a box containing 'P.' and a circle with a dot, followed by $x'-x''$.
- FOOTING MARK**: Indicated by a circle with a dot.
- PIER MARK**: Indicated by a square.

REINFORCING NOTES

- UNLESS NOTED OTHERWISE MAINTAIN THE FOLLOWING CONCRETE COVER FOR REINFORCEMENT:
 - CONCRETE CAST AGAINST EARTH..... 3 INCHES
 - CONCRETE EXPOSED TO THE WEATHER:
 - #5 AND SMALLER BARS..... 1 1/2 INCHES
 - #6 AND LARGER BARS..... 2 INCHES
 - CONDITIONS OTHER THAN ABOVE
 - #5 AND SMALLER BARS..... 3/4 INCHES
 - #6 AND LARGER BARS..... 1 1/2 INCHES
- PROVIDE STANDARD 90° HOOKS IN ACCORDANCE WITH ACI318 UNLESS NOTED OTHERWISE.
- PROVIDE CLASS "B" REINFORCEMENT SPLICES FOR CONTINUOUS REINFORCEMENT. REINFORCEMENT SPLICES AND DEVELOPMENT LENGTHS SHALL BE IN ACCORDANCE WITH ACI318-08 AND THE TABLES PROVIDED WITH THESE DRAWINGS. WHERE THERE IS A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL APPLY. SPLICES FOR WELDED WIRE FABRIC SHALL BE TWO (2) INCHES IN ADDITION TO ONE SPACING OF CROSS WIRES.
- PROVIDE CONTINUOUS HORIZONTAL WALL REINFORCEMENT WITH 90° BENDS AND EXTENSIONS AT CORNERS AND INTERSECTIONS AS SHOWN ON TYPICAL REINFORCEMENT DETAILS.
- ALL RE-ENTRANT CORNERS FOR SLAB-ON-GRADE CONSTRUCTION SHALL BE REINFORCED WITH ONE (1) #4 BY 4'-0" LONG (MIN) AT 45° FROM THE SLAB EDGES AND AT SLAB MID-DEPTH.
- WHERE REQUIRED AND UNLESS NOTED OTHERWISE, PROVIDE DOWELS TO MATCH SIZE AND SPACING OF MAIN REINFORCEMENT.
- DO NOT WELD OR BEND REINFORCEMENT IN THE FIELD UNLESS SPECIFICALLY SHOWN OR APPROVED BY STRUCTURAL ENGINEER.



FOUNDATION PLAN
SCALE: 3/16" = 1'-0"



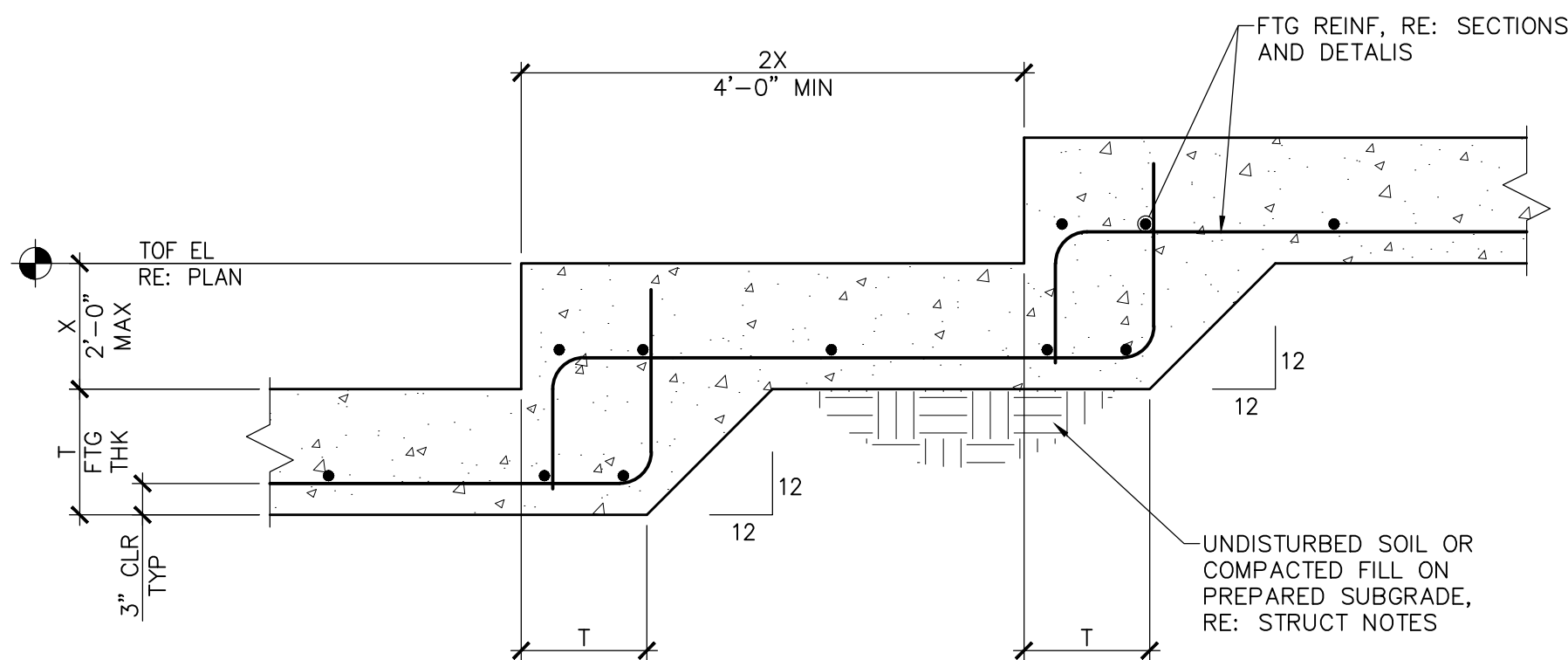
1 PIER DETAIL
SCALE: NTS

| PIER SCHEDULE | | | | | |
|---------------|-------|----------|-------------|-------------|-----|
| MARK | SIZE | VERTICAL | HORIZONTAL | CONC | |
| | WIDTH | LENGTH | REINFORCING | REINFORCING | MIX |
| P1 | 2'-0" | 2'-0" | (8) #6 | #4 @ 12" OC | B |

NOTE: 1. PIERS SHALL BE CENTERED UNDER COLUMNS.

| FOOTING SCHEDULE | | | | | |
|------------------|-------|--------|-------------|------------|-----|
| MARK | SIZE | DEPTH | REINFORCING | CONC | |
| | WIDTH | LENGTH | N/S | E/W | MIX |
| F1 | 3'-0" | 3'-0" | (4) #5 BOT | (4) #5 BOT | A |
| F2 | 4'-0" | 4'-0" | (5) #5 T&B | (5) #5 T&B | A |
| F3 | 5'-0" | 5'-0" | (6) #5 T&B | (6) #5 T&B | A |

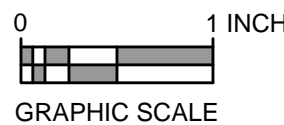
NOTE: ALL FOOTINGS CENTERED ON COLUMNS UNO.



2 TYP STEPPED FOOTING DETAIL
SCALE: NTS

- FOUNDATION PLAN NOTES:
- RE: SHEET S-001 AND S-002 FOR GENERAL NOTES.
 - COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL PLANS AND DETAILS.
 - POTENTIALLY EXPANSIVE MATERIALS SUCH AS MINE TAILINGS, PYRITIC SHALE, AND SLAG SHALL NOT BE USED AS STRUCTURAL FILL MATERIAL.
 - COORDINATE ALL CONDUIT EMBEDMENTS AND PLUMBING STUB-UP LOCATIONS WITH ELECTRICAL AND PLUMBING PLANS AND DETAILS AND ALL PRIME CONTRACTORS.
 - COORDINATE WITH ELECTRICAL CONTRACTOR AND ELECTRICAL ONE-LINE DIAGRAM FOR REINFORCEMENT BONDING TO GROUNDING SYSTEM.
 - FOUNDATION WALLS HAVE NOT BEEN DESIGNED FOR CONSTRUCTION LOADS.
 - FOOTING ELEVATIONS SHALL BE AS SHOWN ON THE FOUNDATION PLAN. THESE ELEVATIONS ARE A MAXIMUM AND SHALL BE LOWERED AS REQUIRED TO OBTAIN REQUIRED BEARING PRESSURE.
 - CONTRACTOR SHALL STEP FOOTINGS AS REQUIRED TO MAINTAIN CONDUIT AND PLUMBING THROUGH FOUNDATION WALL ABOVE FOOTING.
 - AFTER ACHIEVING FINISHED SUBGRADE IN CUT AREAS, AND PRIOR TO PLACING STRUCTURAL FILL IN AREAS BELOW FINISHED SUBGRADE, THE EXPOSED SUBGRADE SHALL BE EVALUATED BY THE SPECIAL INSPECTOR TO CONFIRM THAT ALL UNSUITABLE OR UNSTABLE MATERIALS HAVE BEEN REMOVED.
 - FOUNDATIONS SHALL NOT BE CONSTRUCTED OVER EXISTING FILL MATERIALS UNLESS SPECIFICALLY APPROVED BY THE SPECIAL INSPECTOR.

FOUNDATION DESIGN BASED ON AN ALLOWABLE SOIL BEARING CAPACITY OF 1500 PSF.
CONTRACTOR SHALL VERIFY SITE CONDITIONS PRIOR TO PLACING CONCRETE.



FOUNDATION PLAN

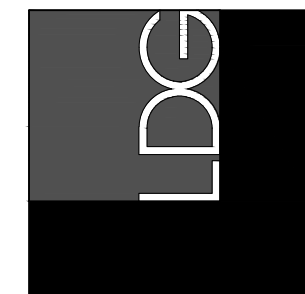
MAVIS DISCOUNT TIRE #X - CITY, STATE

MAVIS TIRE SUPPLY LLC
358 SAW MILL RIVER ROAD
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PHONE (914) 984-2500

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Williamstown, PA 17701
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S-100 (L)



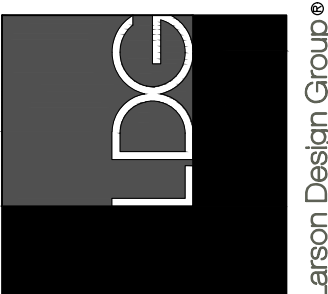
8-BAY SINGLE SIDED
(LEFT SIDE)

MAR 11 2019

| ISSUE / REVISIONS | | | |
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| 1 | 4/10/2018 | XXX | XXX |
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8-BAY SINGLE SIDED
(LEFT SIDE)

| NO. | DATE | ISSUED | COMMENTS | BY | CHKD |
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ROOF FRAMING PLAN
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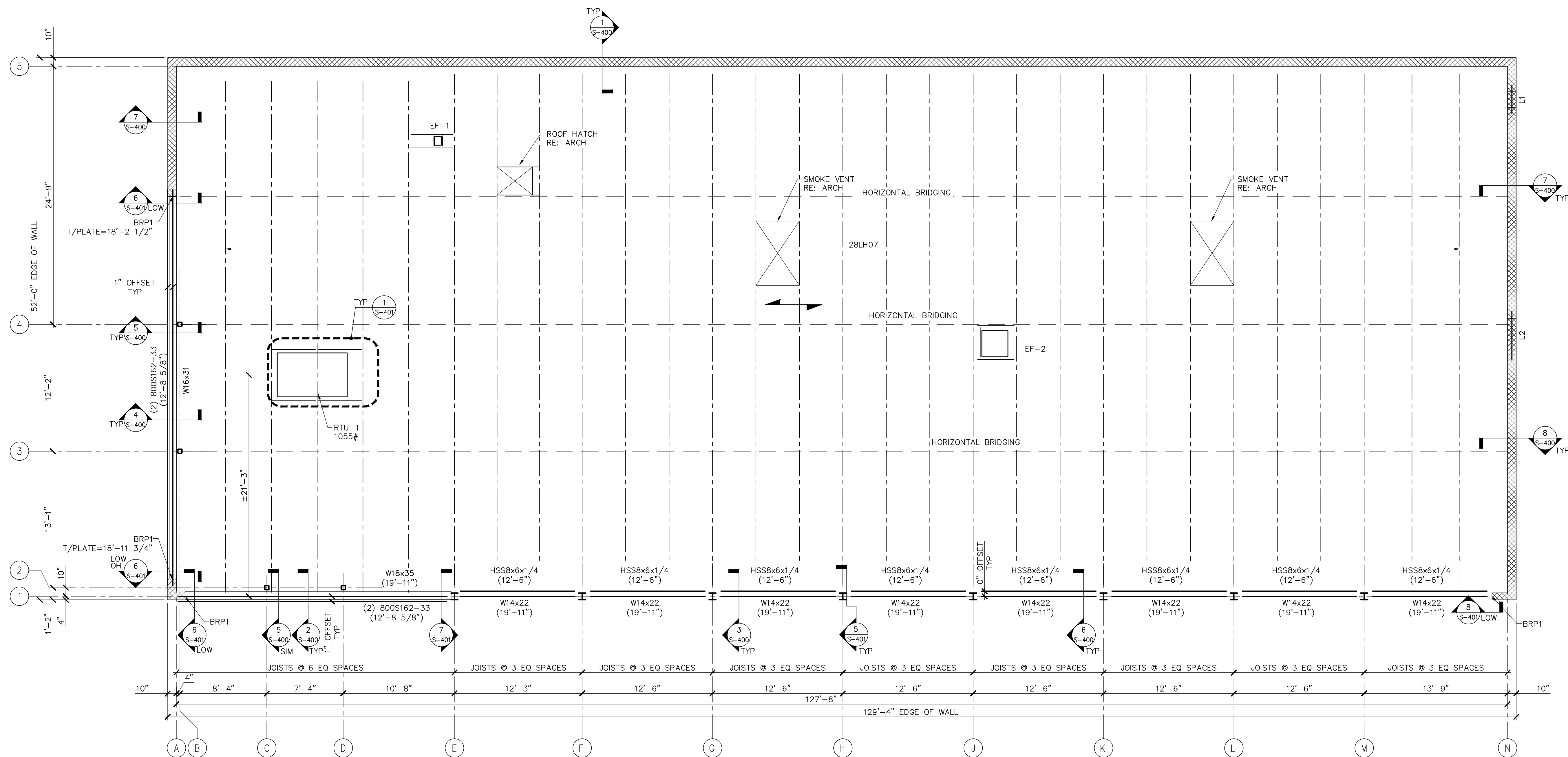
MAVIS TIRE SUPPLY LLC
358 SAW MILL RIVER ROAD
MILLWOOD, NY 10546
PHONE (914) 984-2500

SHEET NO.:

PROJECT NO.:

XXXX-XXX

XXXX-XXX



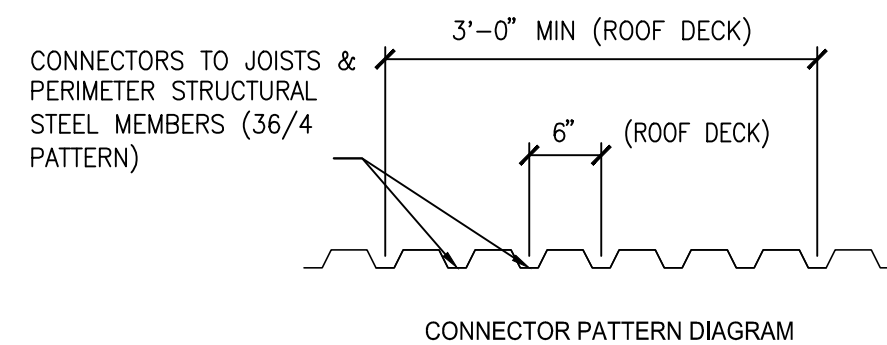
ROOF FRAMING PLAN

SCALE: 3/16" = 1'-0"



| MARK | DETAIL | DESCRIPTION |
|------|--------|---------------------------------------|
| L1 | | 10" x 8" CMU LINTEL W/ (2) #5 BAR |
| L2 | | 10" x 16" CMU LINTEL W/ (2) #5 BAR |

NOTE: PROVIDE 8" MIN LENGTH OF BEARING AT EACH END OF ALL MASONRY LINTELS. MORTAR LINTEL INTO PLACE SOLID, ABOVE AND BELOW BEARING.



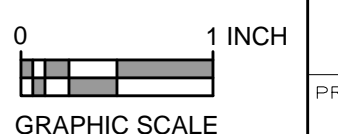
| DIAPHRAGM SCHEDULE | | |
|--------------------|-------------------------------------|---|
| AREA | DECK TO STEEL MEMBER CONNECTOR TYPE | NUMBER OF SIDE LAP CONNECTORS (#10-16 TEK SCREWS) |
| ROOF | 5/8" DIAMETER PUDDLE WELDS | 1 CONNECTOR AT 2 EQUAL SPACES |

NOTE: DESIGNED AS 3-SIDED STRUCTURE.

FRAMING PLAN NOTES:

1. RE. SHEET S-001 AND S-002 FOR GENERAL NOTES.
2. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL PLANS AND DETAILS.
3. COORDINATE EXACT DIMENSIONS AND LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL PLANS AND DETAILS AND THE EQUIPMENT MANUFACTURER.
4. INDICATES ROOF DECK SPAN.
5. ROOF DECK TO BE 1 1/2" TYPE B 22 GA DECK.

| ULTIMATE WIND NET UPLIFT (PSF) | | | |
|--------------------------------|------------------------|-------------|------------------------|
| ROOF DECK | | ROOF JOISTS | |
| TYPICAL | W/IN 6.0' OF PERIMETER | TYPICAL | W/IN 6.0' OF PERIMETER |
| 31 | 78 | 28 | 34 |



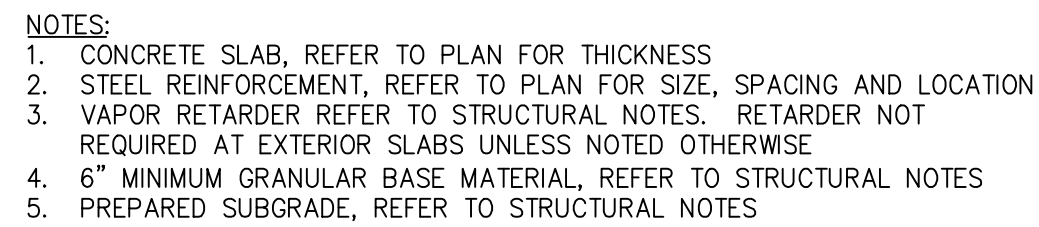


Diagram illustrating the reinforcement details for a column section. The diagram shows a cross-section of a column with a central reinforcement bar (I-bar) and a surrounding concrete core. The reinforcement is labeled with the following details:

- RE: 9/S-300
- IJ
- PLACE CONCRETE AROUND COLUMN AFTER SLAB IS IN PLACE
- SLAB EDGE
- PIER OR BASE PL. BELOW

DISCONTINUE SLAB REINF @ JT

CONC SLAB, RE: PLAN

3/4" MIN

1/8" WIDE MIN x T/4 DEEP
JT IN CONC, FILL JT W/
SEALANT FLUSH W/ FLR

T

(3) EO SP

VAPOR RETARDER UNO

GRANULAR BASE MATL

PREPARED SUBGRADE

CONC PREFORMED LIGHT GA MTL
KEYWAY SHALL BE INSTALLED PER
MANUFACTURER'S REQUIREMENTS

NOTES:

1. LOCATE CONSTRUCTION JOINTS TO CONFORM WITH SLAB JOINTING PATTERN
2. SURFACE OF CONSTRUCTION JOINTS SHALL BE CLEANED AND LAITANCE REMOVED.
3. IMMEDIATELY BEFORE NEW CONCRETE IS PLACED, CONSTRUCTION JOINTS SHALL BE WETTED AND STANDING WATER REMOVED.

BRG PL ON 1 1/2"
NS GROUT
RE: SCHED

1"

3/16"

3/16"

WF SECTION
RE: PLAN

ANCHORS
RE: SCHEDULE

1/2" SETBACK

10" CMU

BEAM PARALLEL TO WALL

3/8" STIFFENER
PLATE EA SIDE

WF SECTION
RE: PLAN

BRG PL
RE: SCHED

W

L

Diagram illustrating the cross-section of a concrete slab repair. The layers and materials shown are:

- EXIST OR PREVIOUS CONC CONSTRUCTION
- JT SEALANT
- 1/2" PMF FULL DEPTH OF SLAB
- CONC SLAB RE: PLANS
- VAPOR RETARDER (AS REQD)
- GRANULAR BASE MATERIAL
- PREPARED SUBGRADE

Diagram illustrating the cross-section of a wall joint. The joint is located on a true vertical plane with sealant. The joint width is specified as 3/8". The vertical reinforcement (BS) shall be the same size as the vertical reinforcement in the wall. The control joint material shall be installed per manufacturer's requirements.

[illegible]

8 TYP BEAM SEAT IN CMU WALL
S-300 SCALE: NTS

#4 x 4'-0" LONG
REQD FOR EA LAYER
OF SLAB REINF

L_d

EQ

TERMINATING
EDGE OF SLAB
OR SLAB JT

Diagram of a 12-sided polygon (dodecagon) with a vertical centerline. A horizontal line segment is labeled "CTJ". A dimension line on the right indicates a width of "#4 x 4'-0\"".

[illegible]

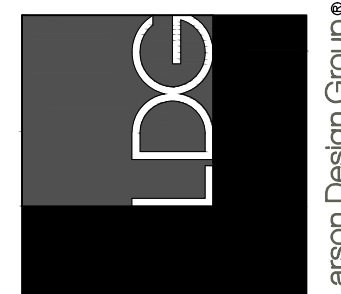
DETAIL A

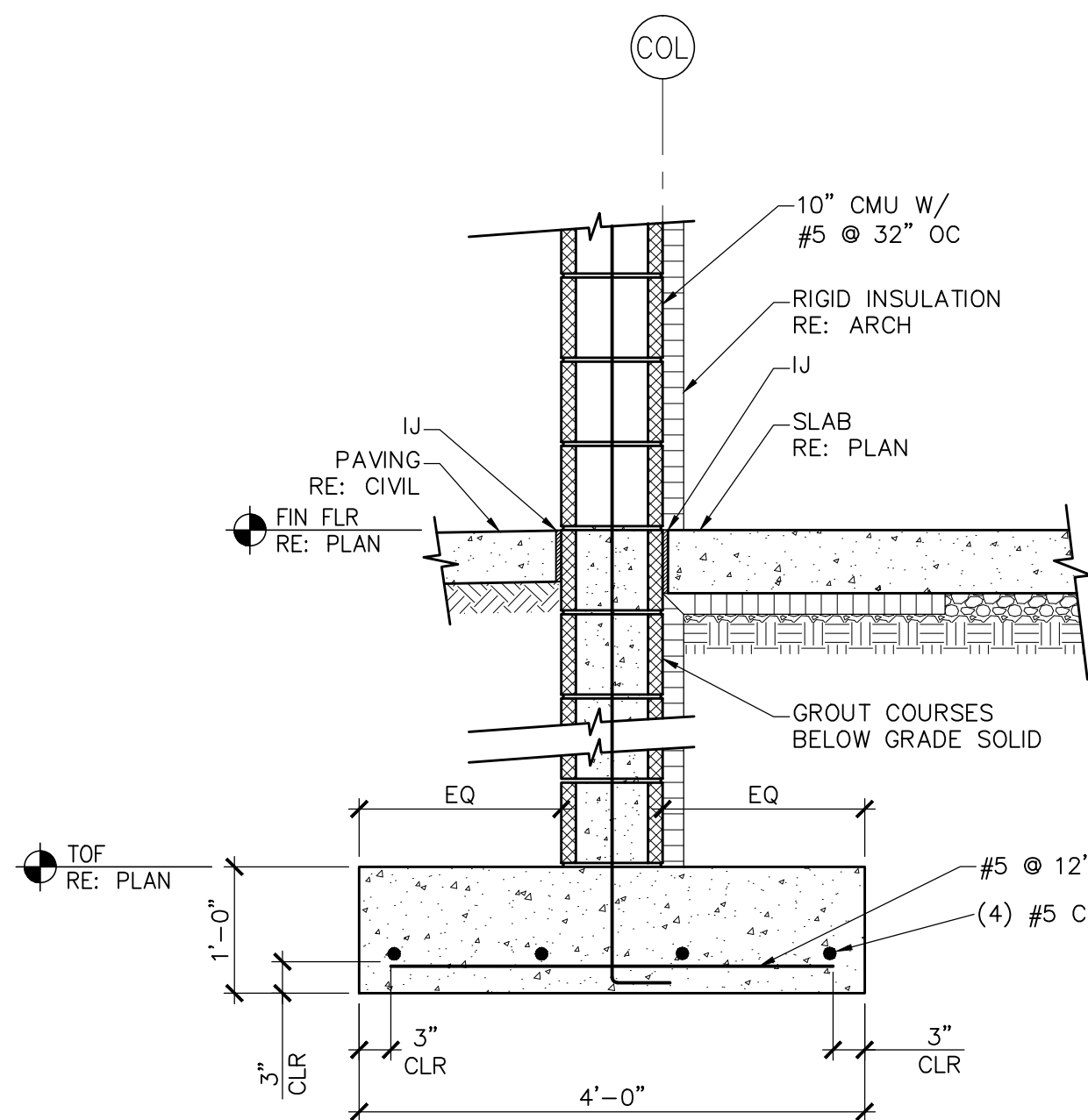
10" CMU WALL
(1) #5 EA CELL, TYP
4" CMU SPLITFACE RE: ARCH
2'-6" (height)
4" (thickness)
1'-2" (width)
2'-8" (width of arch)

DETAIL B

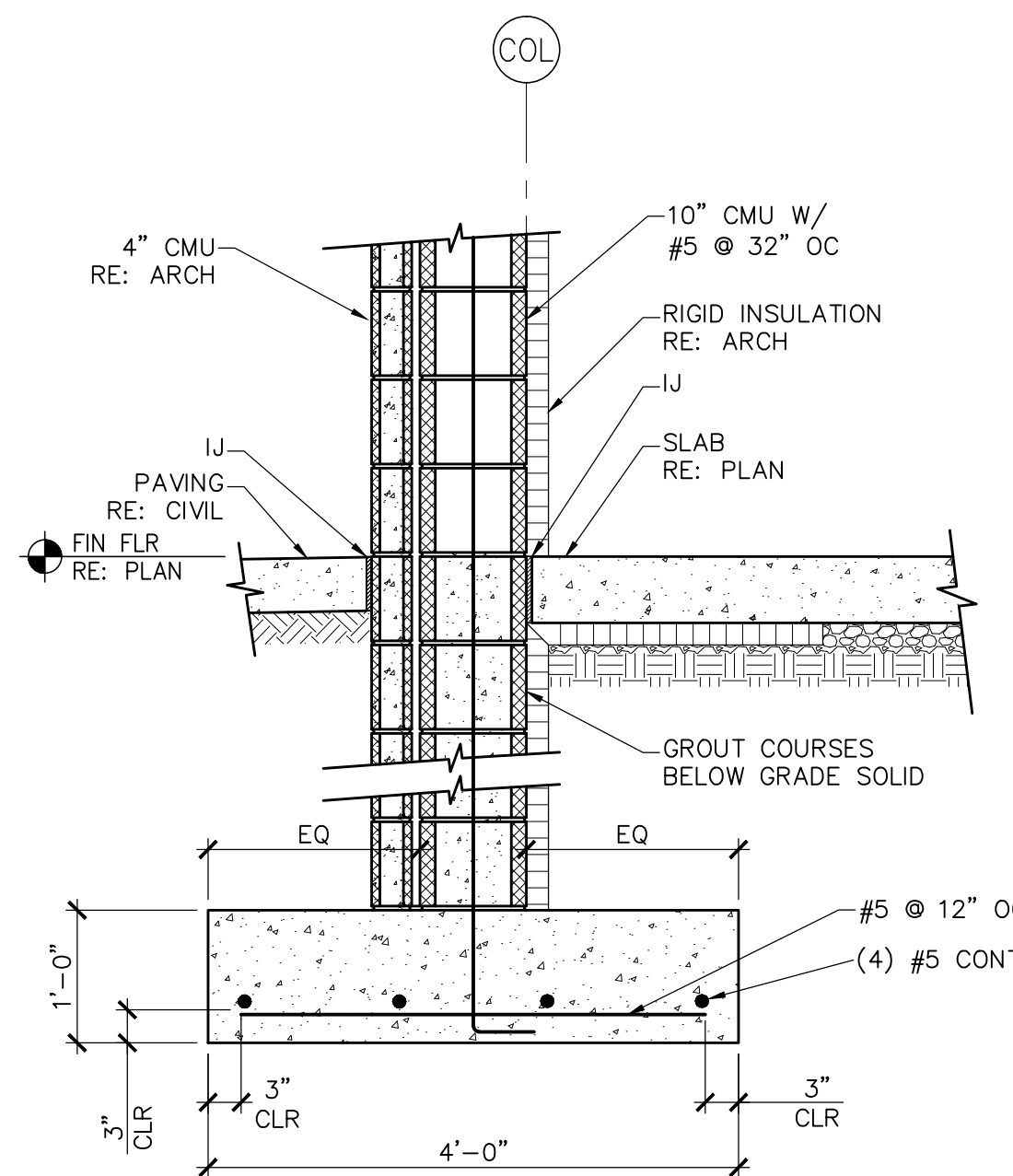
10" CMU WALL
(2) #5, TYP
8" CMU WALL
4" CMU SPLITFACE RE: ARCH
2'-6" (height)
4" (thickness)
1'-2" (width)
2'-8" (width of arch)

12 TYP CORNER REINF
S-300 SCALE: NTS

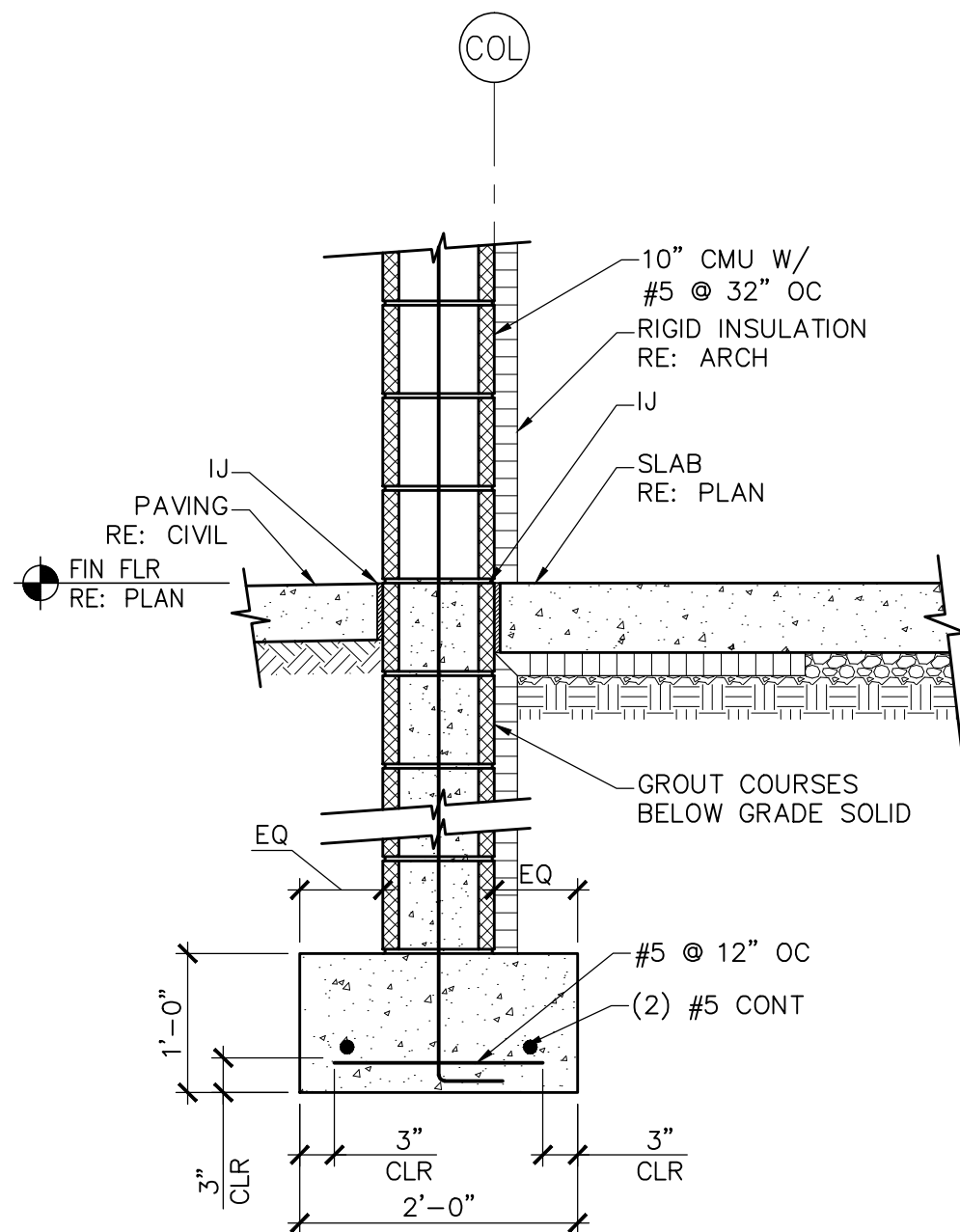
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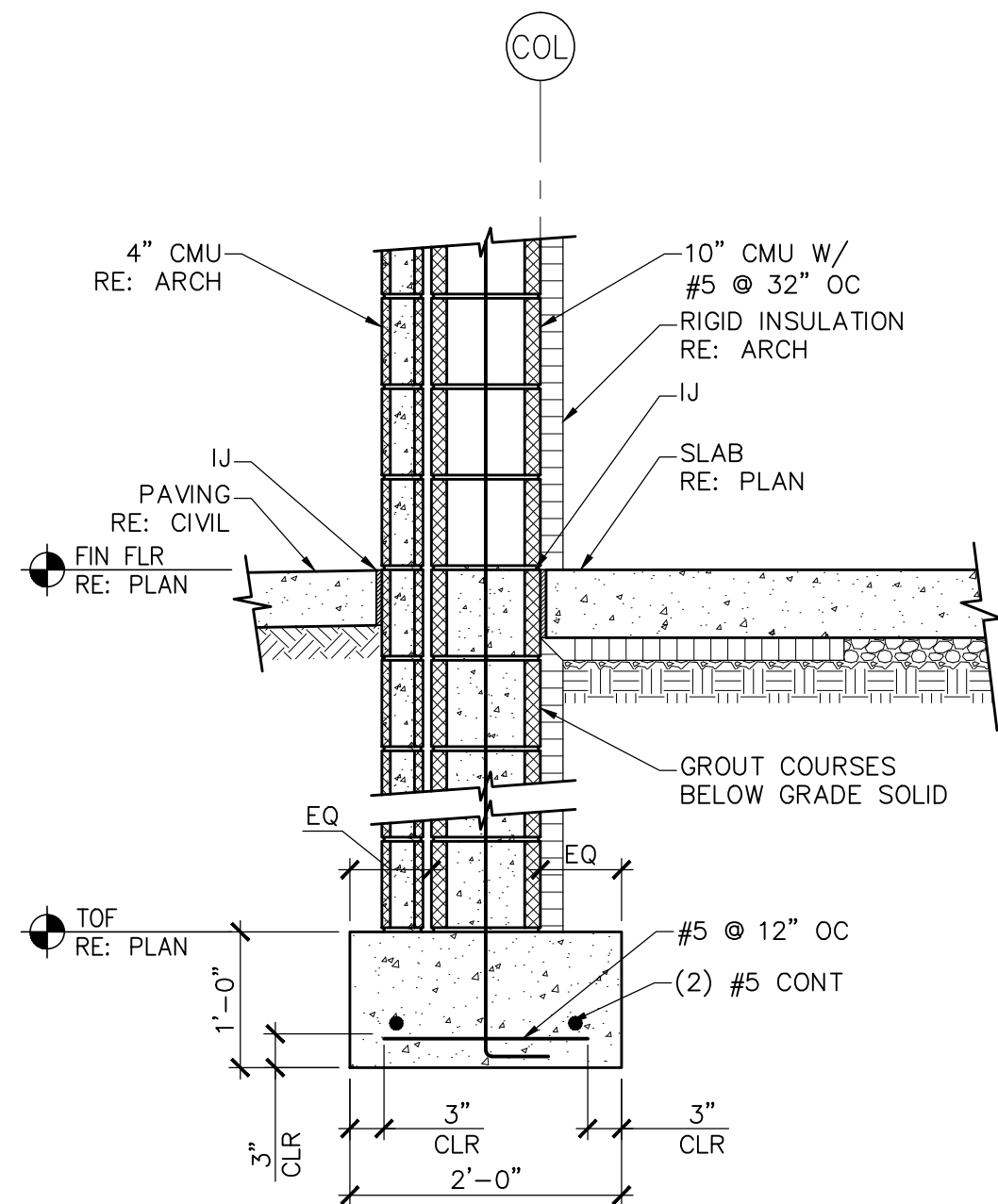
1 EXTERIOR WALL FOUNDATION SECTION
S-301 SCALE: 3/4" = 1'-0"



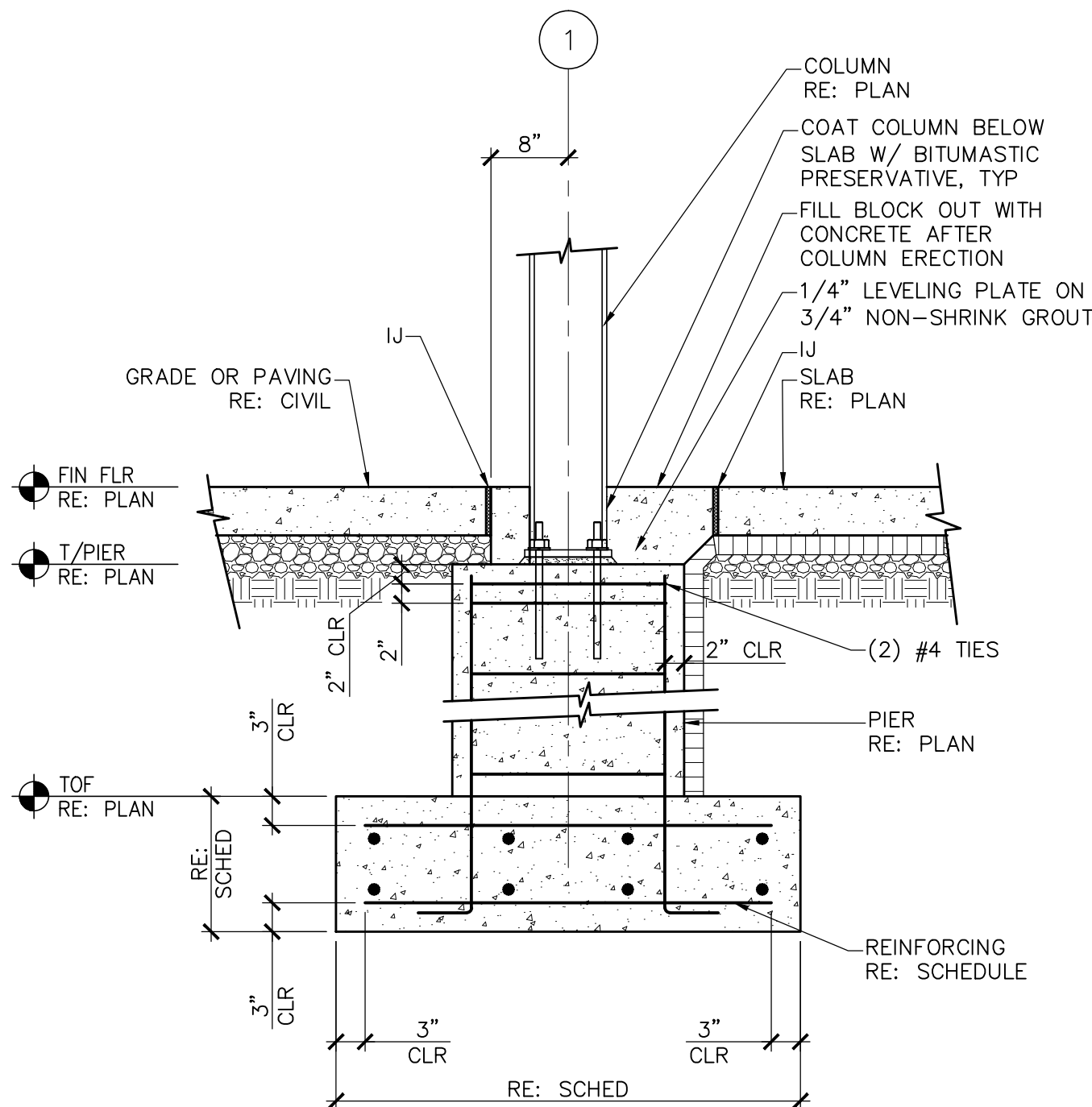
1A EXTERIOR WALL FOUNDATION SECTION
S-301 SCALE: 3/4" = 1'-0"



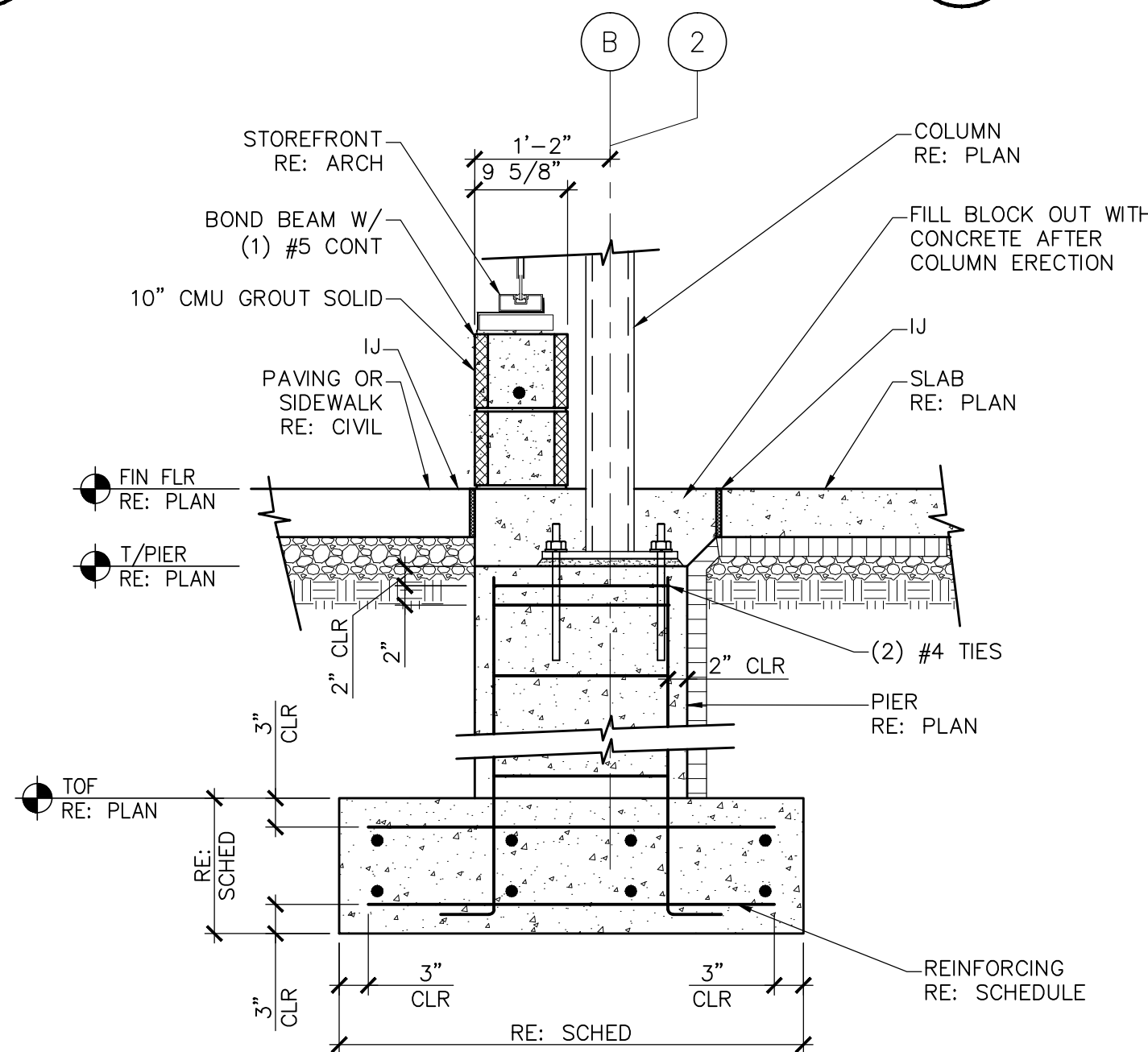
2 TYP EXTERIOR WALL FOUNDATION SECTION
S-301 SCALE: 3/4" = 1'-0"



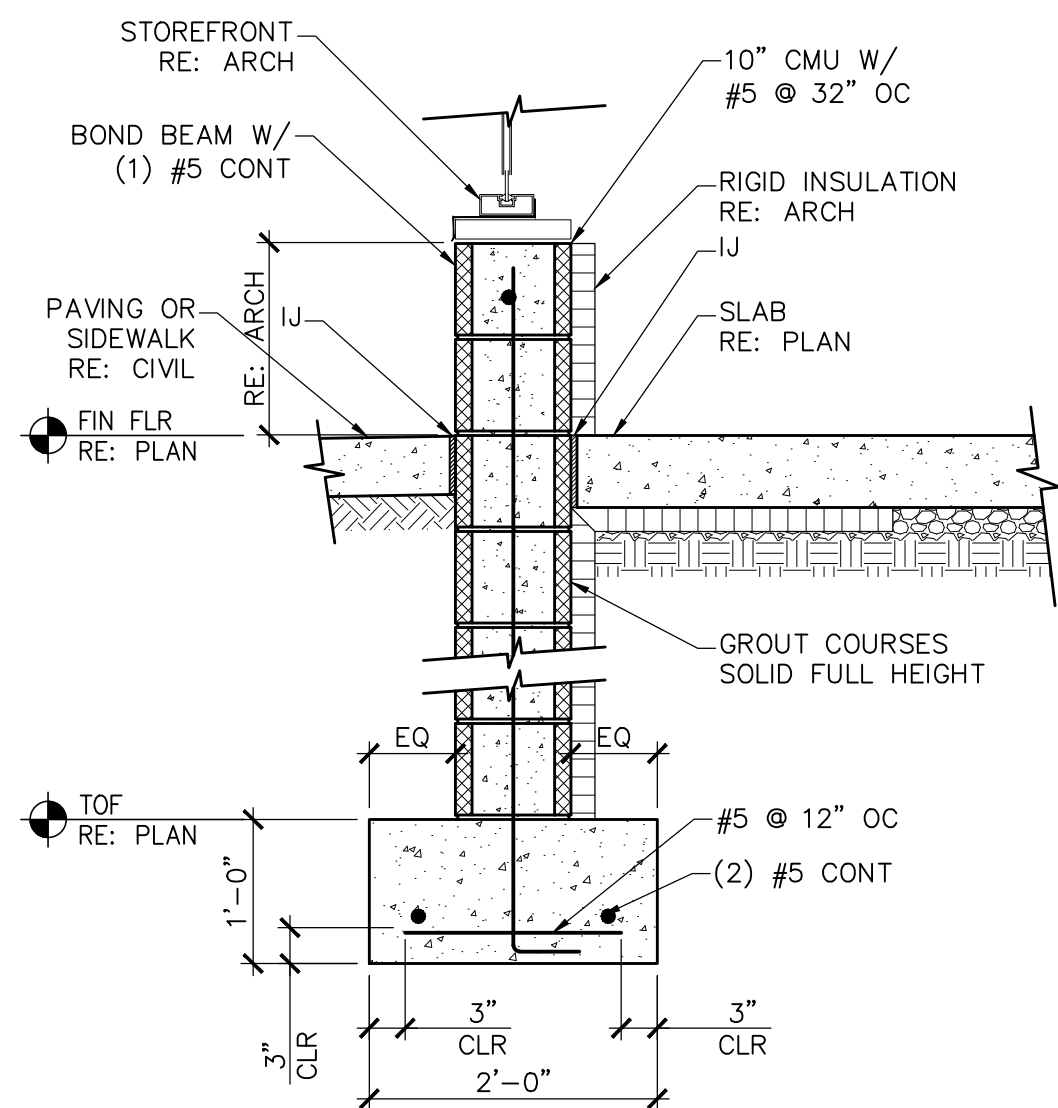
2A TYP EXTERIOR WALL FOUNDATION SECTION
S-301 SCALE: 3/4" = 1'-0"



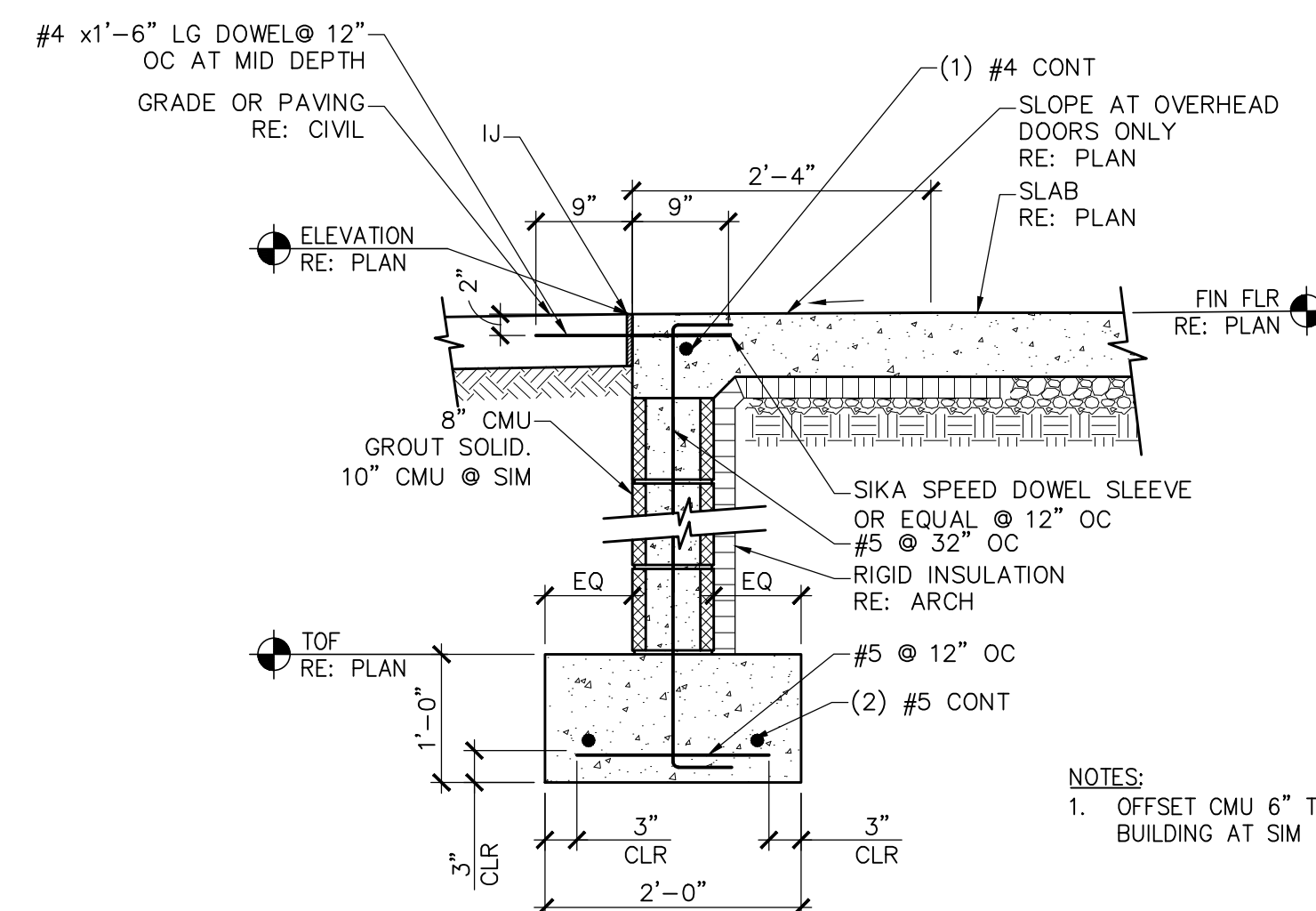
3 TYP EXTERIOR COLUMN SECTION
S-301 SCALE: 3/4" = 1'-0"



4 TYP EXTERIOR COLUMN SECTION AT SHOWROOM
S-301 SCALE: 3/4" = 1'-0"

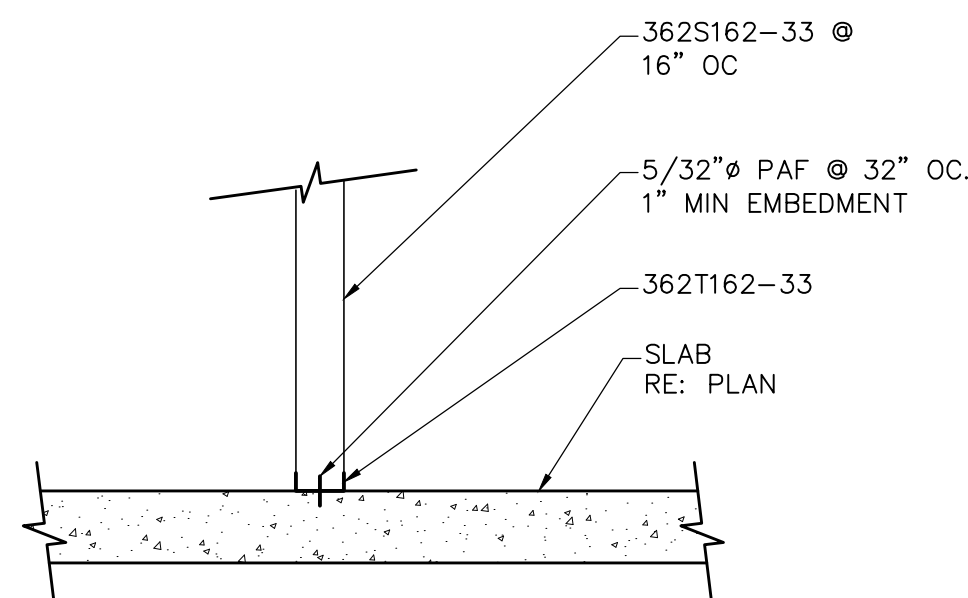


5 TYP EXTERIOR WALL FOUNDATION @ SHOWROOM
S-301 SCALE: 3/4" = 1'-0"

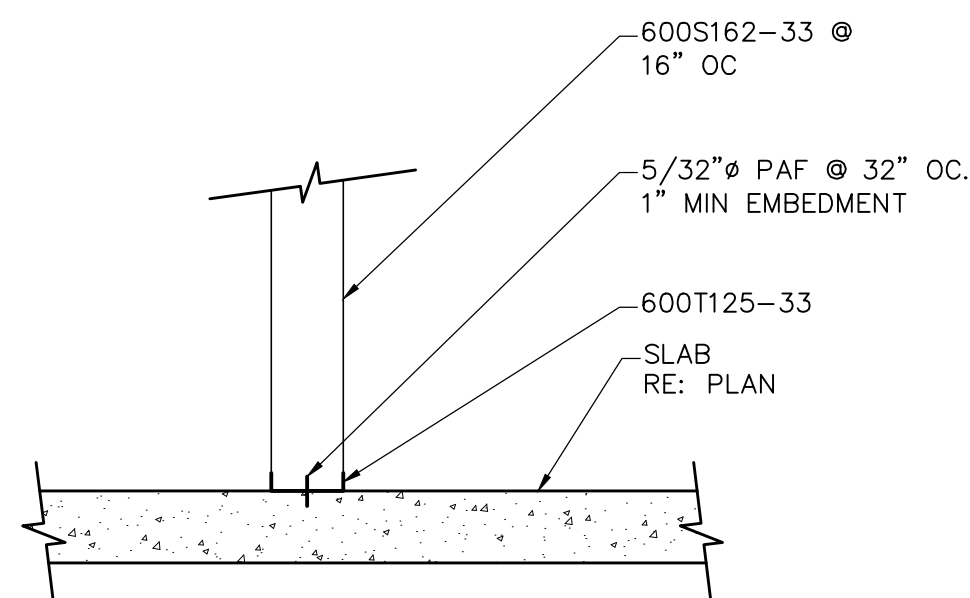


6 TYP SECTION AT DOOR OPENING
S-301 SCALE: 3/4" = 1'-0"

NOTES:
1. OFFSET CMU 6" TO THE INTERIOR OF THE BUILDING AT SIM



7 TYP SECTION AT 3 5/8" STUD WALL
S-301 SCALE: 3/4" = 1'-0"

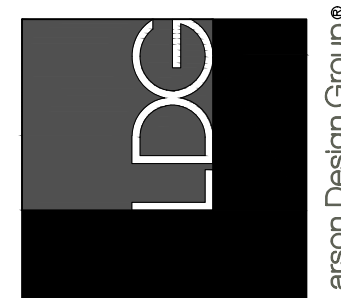


8 TYP SECTION AT 6" STUD WALL
S-301 SCALE: 3/4" = 1'-0"

MAR 11 2019

8-BAY SINGLE SIDED
(LEFT SIDE)

| NO. | DATE | ISSUED | COMMENTS | BY | CHKD |
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FOUNDATION DETAILS

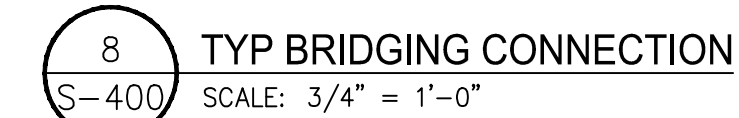
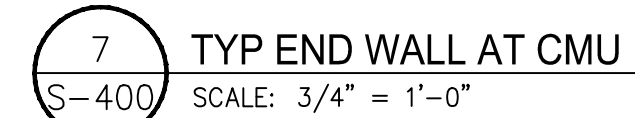
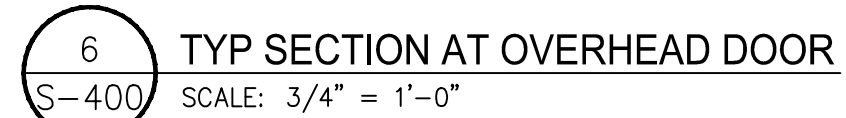
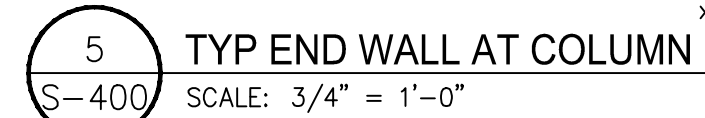
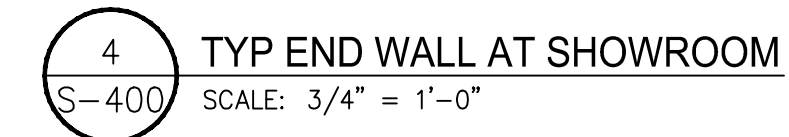
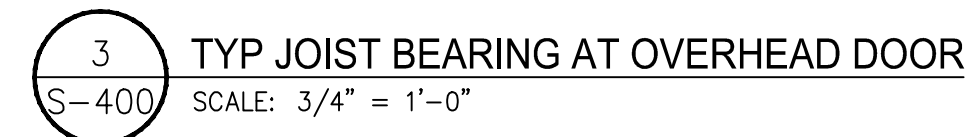
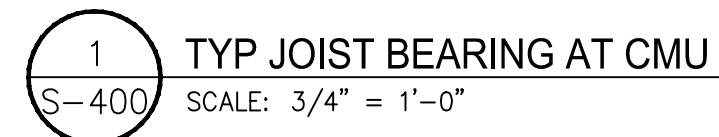
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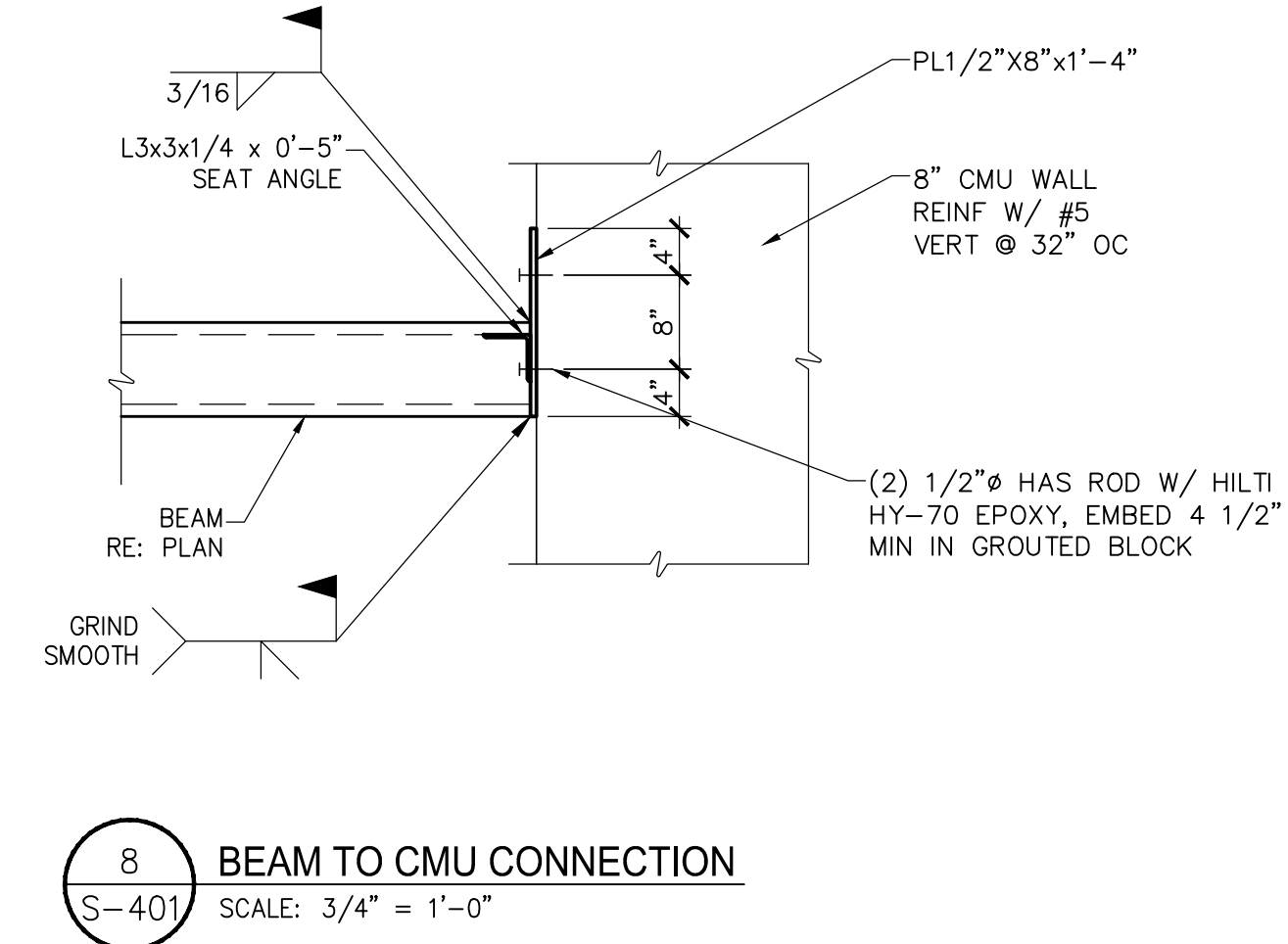
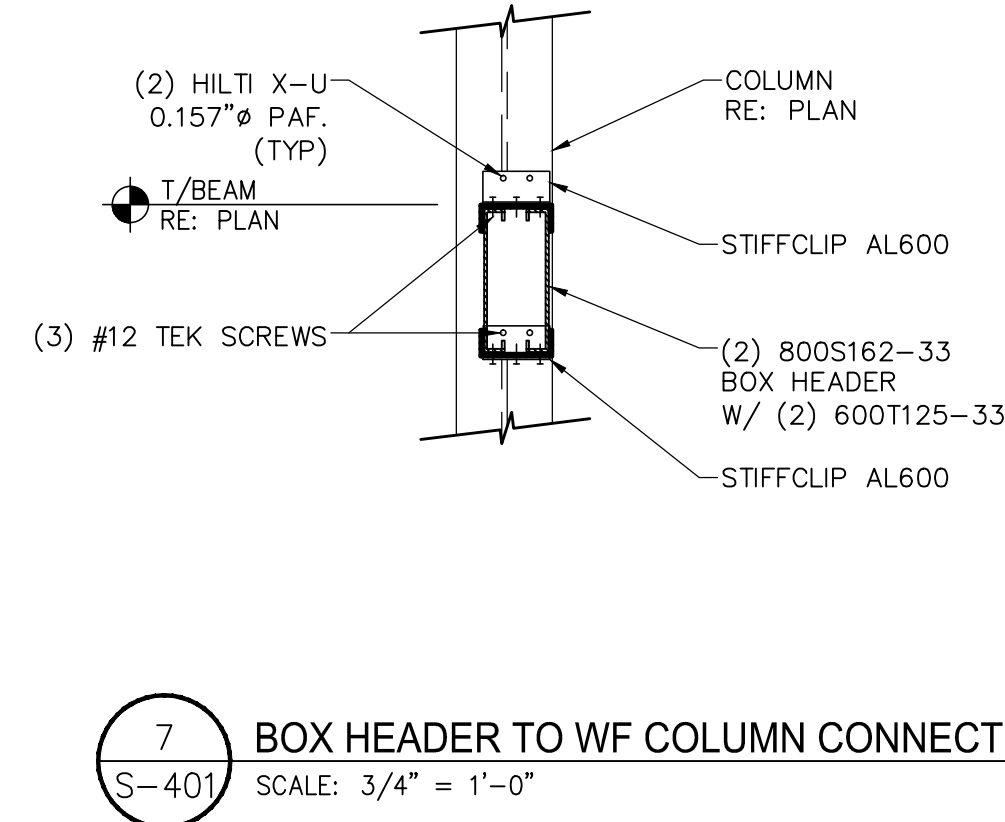
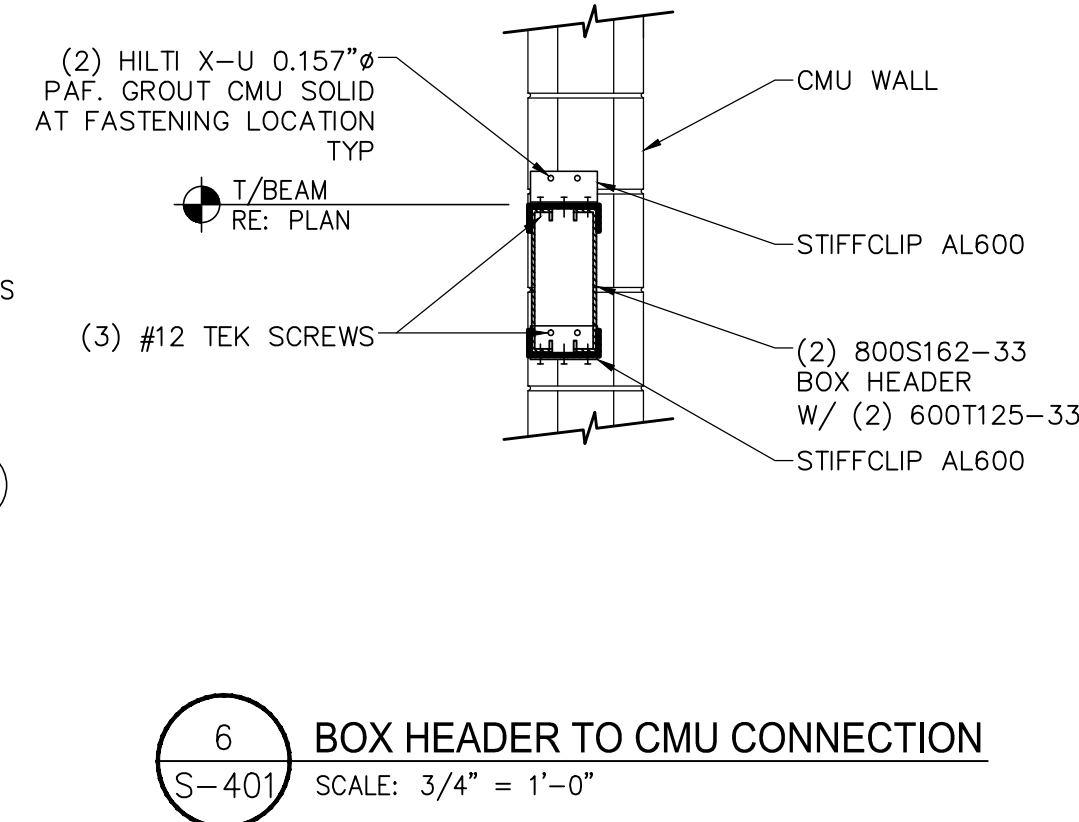
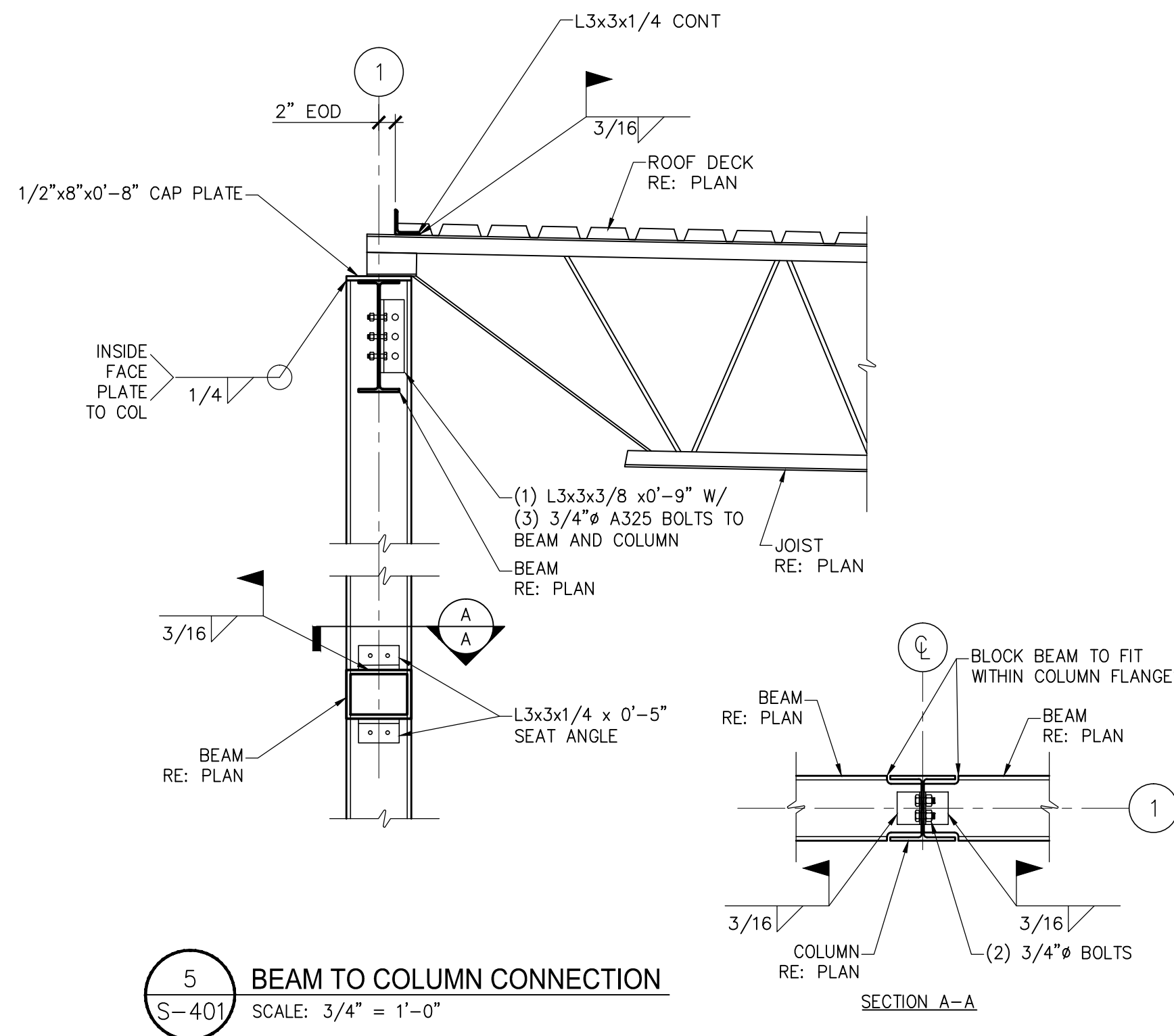
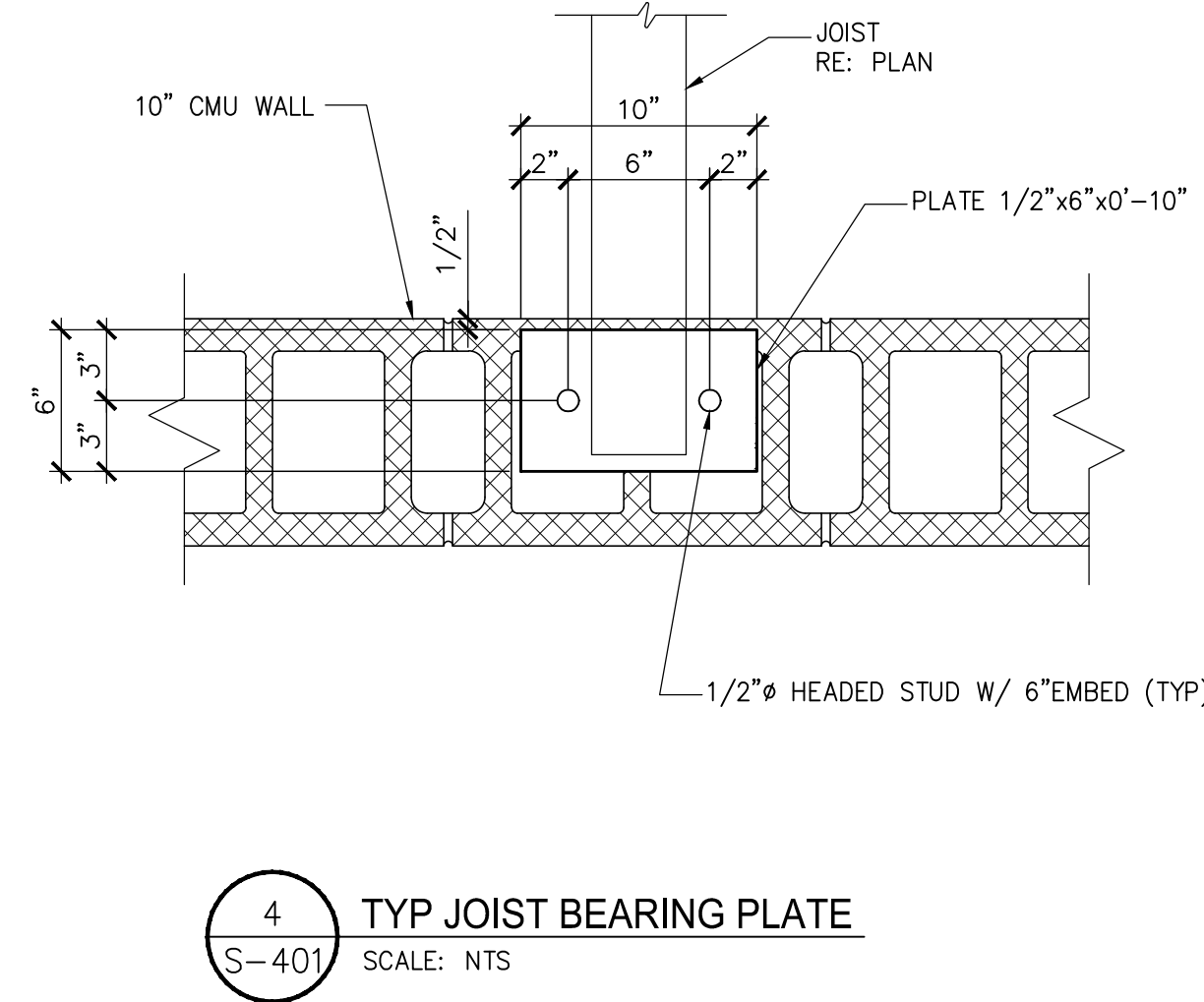
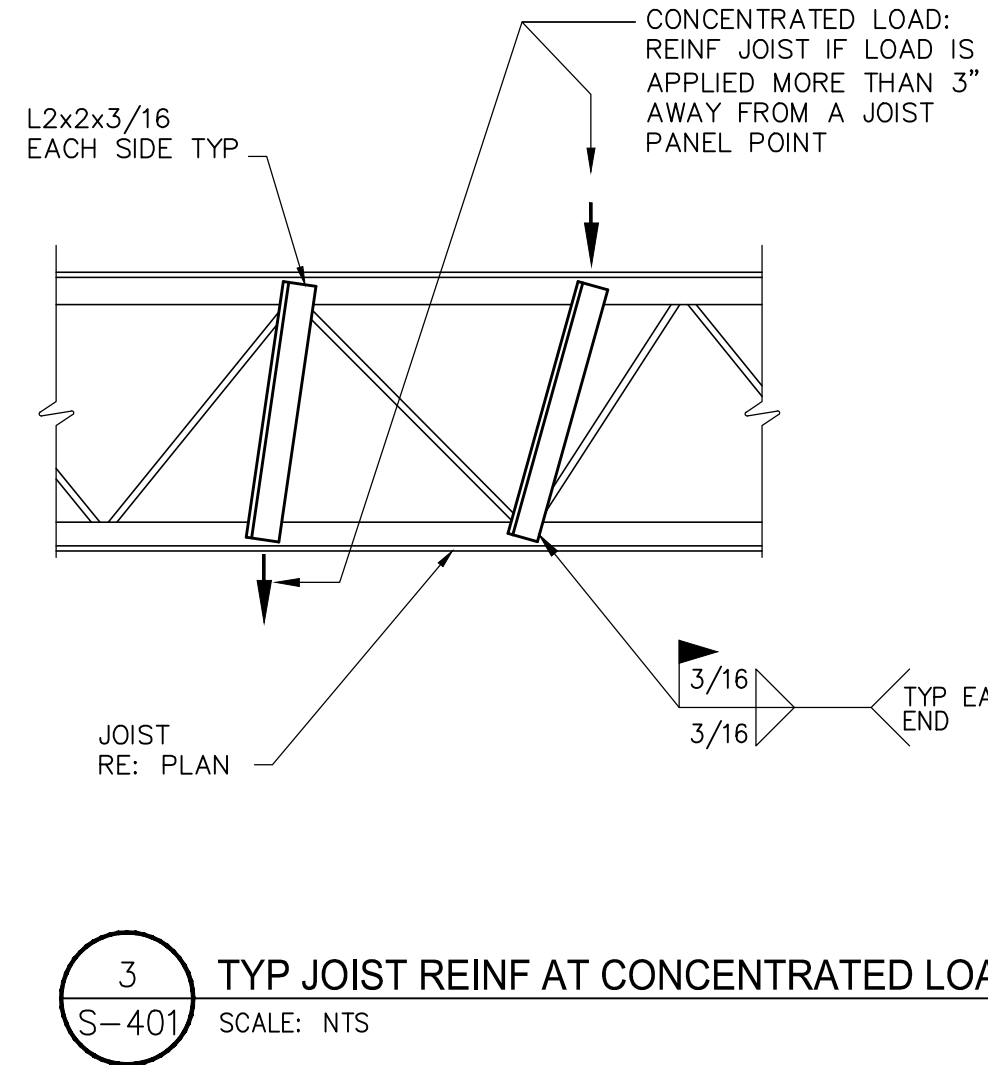
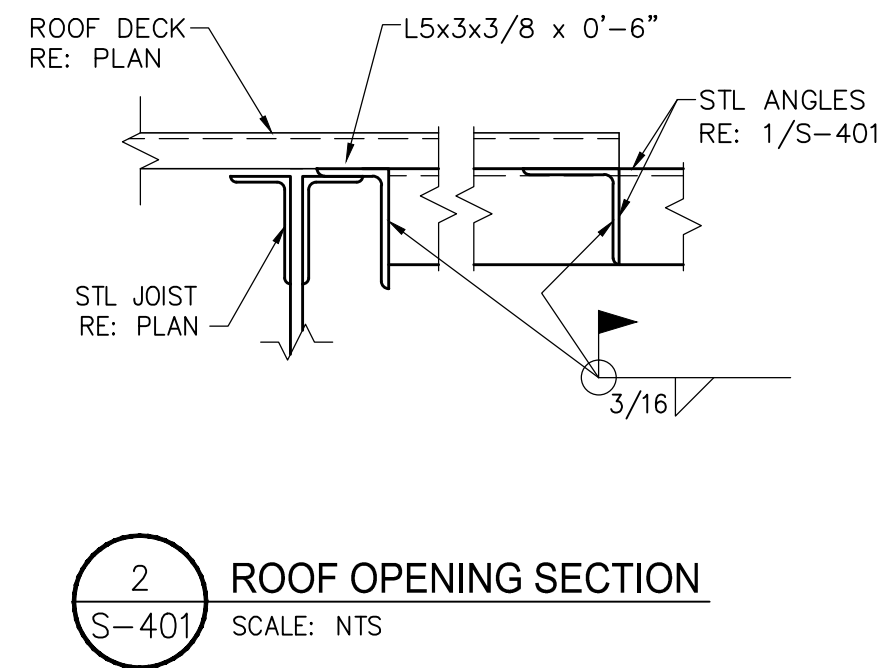
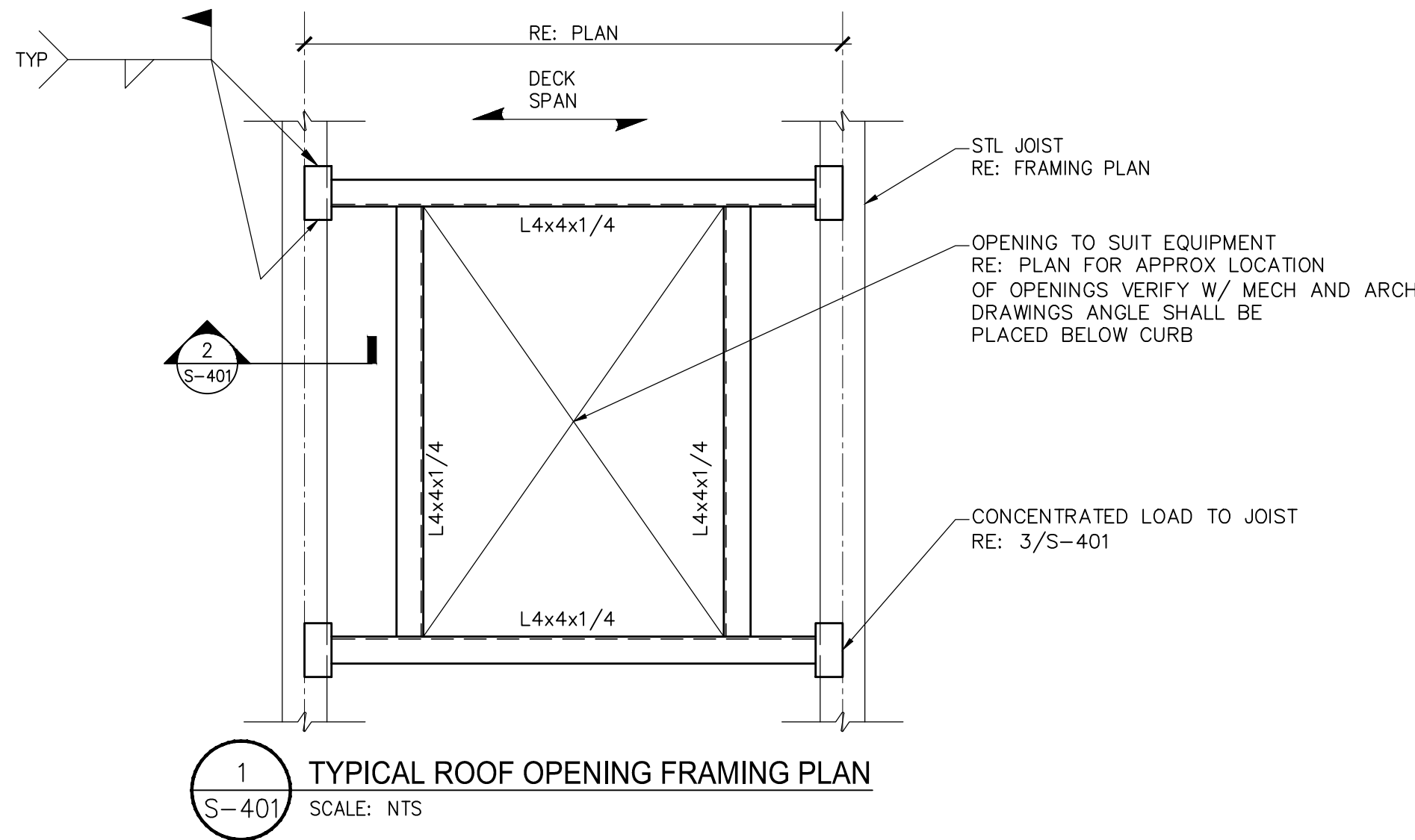
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S-301 (L)

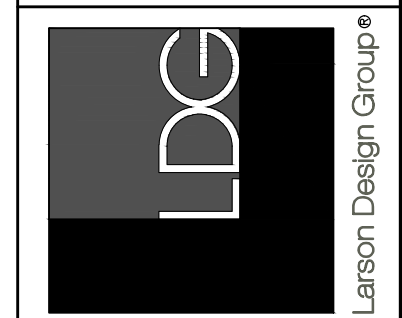




MAR 11 2019

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ROOF FRAMING DETAILS

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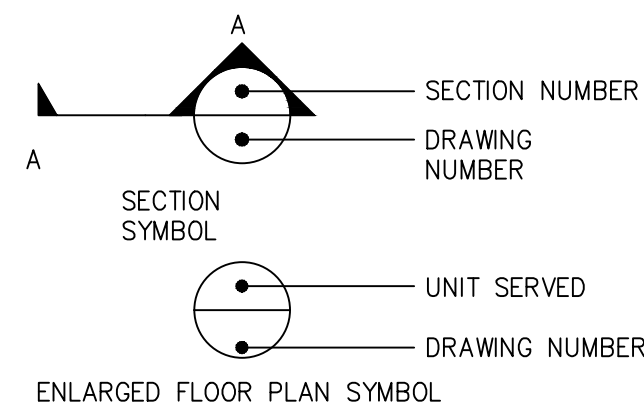
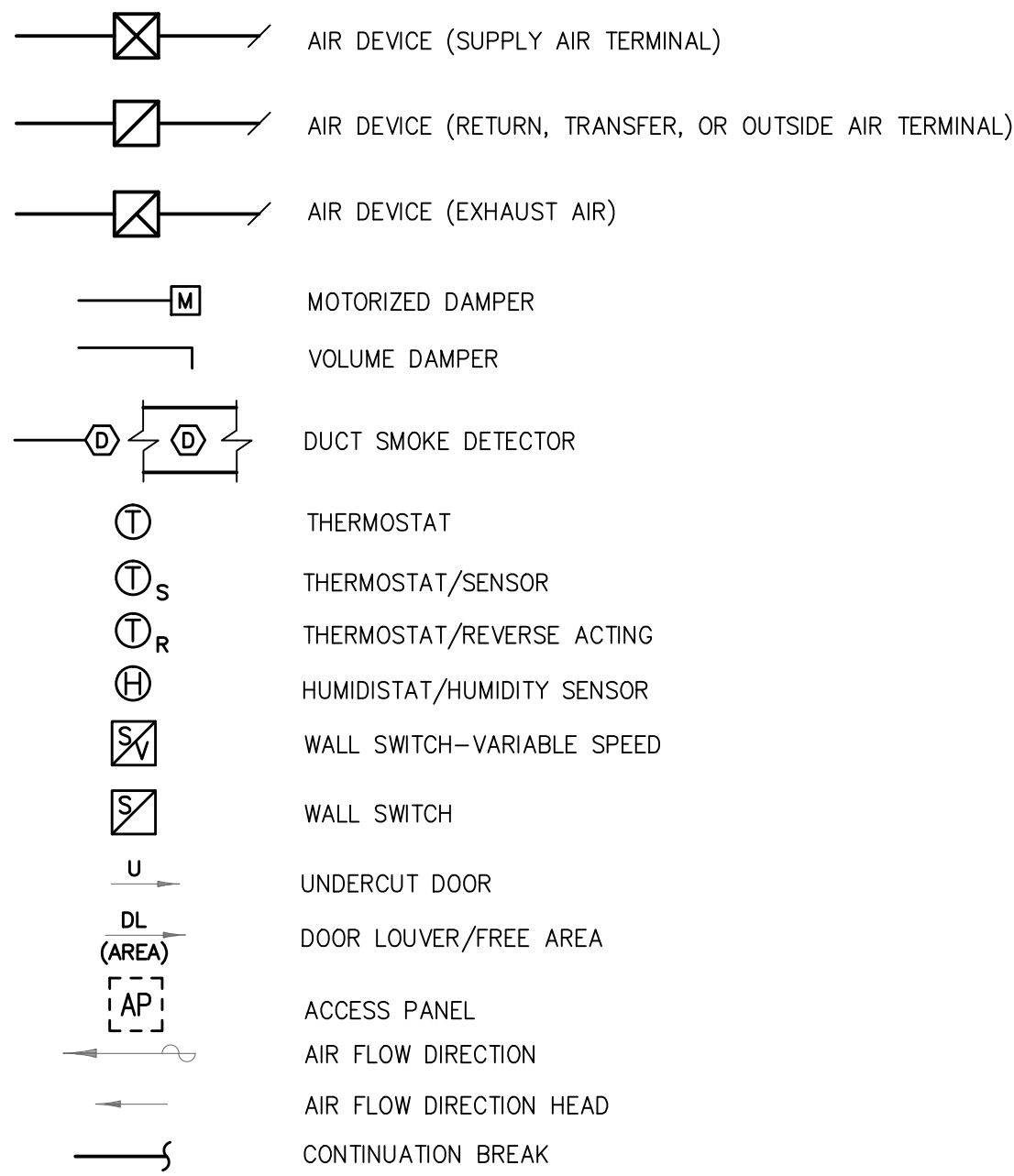
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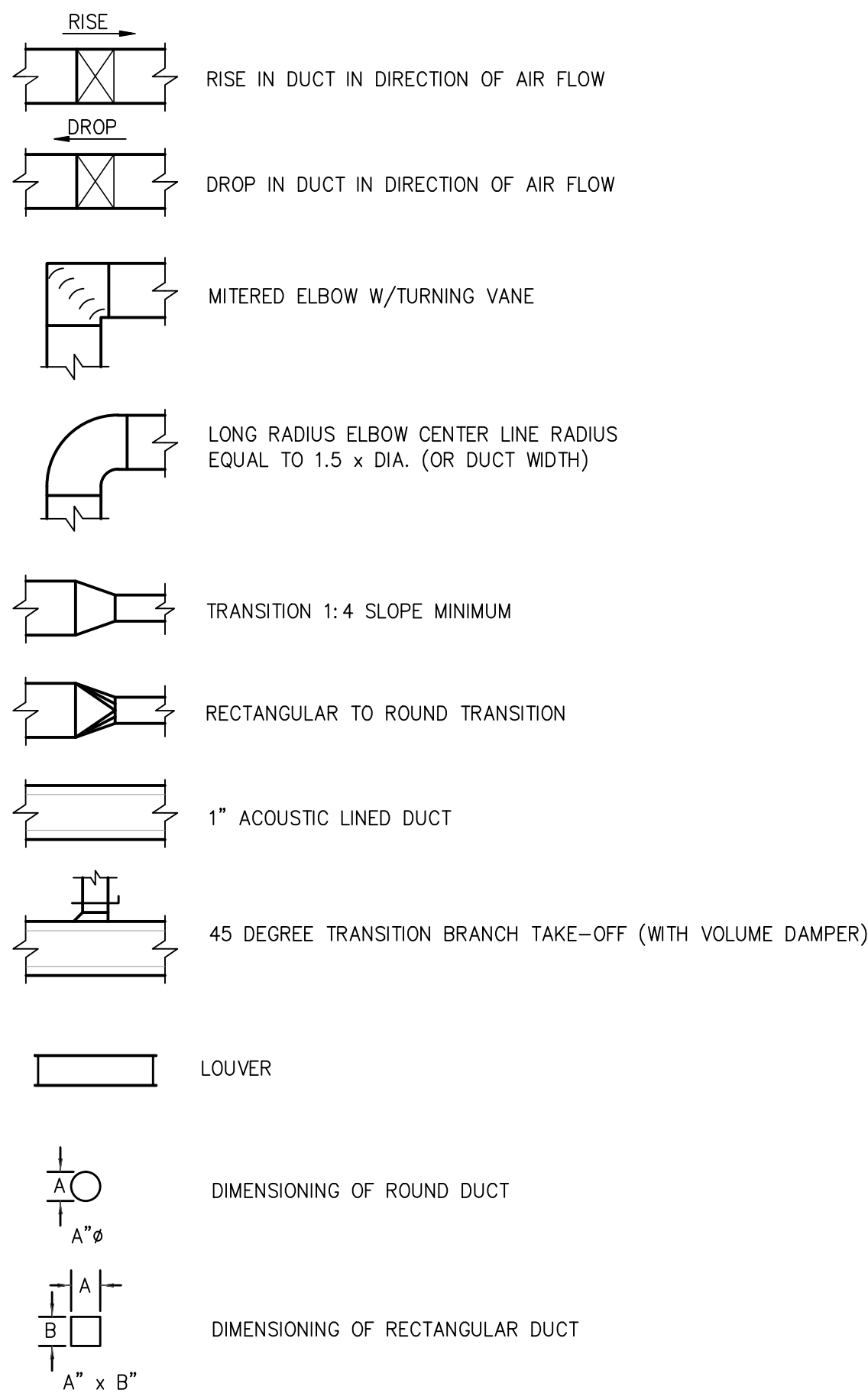
SHEET NO.: **S-401**

PROJECT NO.: XXXX-XXX

NOTE: NOT ALL SYMBOLS INDICATED MAY APPEAR ON PROJECT DRAWING



NO SCALE



| | |
|-------|-------------------------------|
| AV | AUTOMATIC AIR VENT |
| AVF | ABOVE FINISH FLOOR |
| AFG | ABOVE FINISH GRADE |
| AHU | AIR HANDLING UNIT |
| AMB | AMBER |
| APD | AIR PRESSURE DROP |
| ACC | AUTOMATIC CONTROL CONTRACT |
| BMS | BUILDING MANAGEMENT SYSTEM |
| BJ | BETWEEN JOIST |
| BOI | BOTTOM OF DUCT |
| BOF | BOTTOM OF FOOTING |
| BOG | BOTTOM OF GRILL |
| BOP | BOTTOM OF PIPE |
| BOS | BOTTOM OF STEEL |
| BOI | BOTTOM |
| BOW | BOTTOM OF WALL |
| BTU | BRITISH THERMAL UNIT |
| BTUH | BRITISH THERMAL UNIT PER HOUR |
| BTWN | BETWEEN |
| CAP | CAPACITY |
| CD | CILING DIFFUSER |
| CFM | CUBIC FEET PER MINUTE |
| CO | CLEAN OUT |
| COP | COEFFICIENT OF PERFORMANCE |
| CT | COOLING TOWER |
| CU | CONDENSING UNIT |
| CUH | CABINET UNIT HEATER |
| CVR | CONVECTOR |
| DB | DRY BULB |
| DDC | DIRECT DIGITAL CONTROL |
| DEMO | DEMOLISH. DEMOLITION |
| DIA | DIAETER |
| DN | DOWN |
| DP | DEW POINT |
| DX | DIRECT EXPANSION |
| EA | EXHAUST AIR, EACH |
| EAT | ENTERING AIR TEMPERATURE |
| EER | ENERGY EFFICIENCY RATIO |
| EC | ELECTRICAL CONTRACTOR |
| EF | EXHAUST FAN |
| EG | EXHAUST GRILLE |
| EFF | EFFICIENCY |
| EXP | EXPANSION TANK |
| EQUIP | EQUIPMENT |
| ESP | EXTERNAL STATIC PRESSURE |
| EWT | ENTERING WATER TEMPERATURE |
| EXIST | EXISTING |
| F | FAN |
| FD | FIRE DAMPER |
| FC | FLEXIBLE CONNECTION |
| FCU | FAN COIL UNIT |

NOTE: THE ABOVE LIST OF ABBREVIATIONS
IS STANDARD. ALL ABBREVIATIONS DO
NOT NECESSARILY APPEAR ON THE DRAWINGS

| | |
|------|------------------------------|
| FPM | FEET PER MINUTE |
| FPS | FEET PER SECOND |
| LAT | LEAVING AIR TEMPERATURE |
| LUF | LEAF FOOT |
| LVR | LOUVER |
| LWT | LEAVING WATER TEMPERATURE |
| M | MOTORIZED DAMPER |
| MAV | MANUAL AIR VENT |
| MAX | MAXIMUM |
| MBH | BTU (1000's) |
| MC | MECHANICAL CONTRACTOR |
| MD | MANUAL DAMPER |
| MFR | MANUFACTURER |
| MIN | MINIMUM |
| NIC | NOT IN CONTRACT |
| NTS | NOT TO SCALE |
| OA | OUTSIDE AIR |
| PC | PLUMBING CONTRACTOR |
| PP | PUMP PRESS PRESSURE |
| PRV | PRESSURE REDUCING VALVE |
| PSIG | POUNDS PER SQUARE INCH GAUGE |
| RA | RETURN AIR |
| RF | RETURN FAN |
| RH | REHEAT |
| RPM | REVOLUTIONS PER MINUTE |
| RTU | ROOF TOP UNIT |
| RV | RELIEF VALVE |
| SA | SMOKE DAMPER |
| SA | SUPPLY AIR |
| F | SUPPLY FAN |
| SHT | SHEET |
| SP | STATIC PRESSURE |
| ST | SOUND TRAP |
| TEMP | TEMPERATURE |
| TH | TOTAL HEAT |
| TC | TOTAL COOLING |
| TJ | THRU JOIST |
| TYP | TYPICAL |
| UH | UNIT HEATER |
| UV | UNIT VENTILATOR |
| VFD | VARIABLE FREQUENCY DRIVE |
| VTR | VENT THROUGH ROOF |
| WAC | WINDOW AIR CONDITIONER |
| WB | WET BULB |
| WC | WATER COLUMN |
| WHP | WATER SOURCE HEAT PUMP |
| WPD | WATER PRESSURE DROP |
| WTR | WATER |

1. COORDINATE HVAC AND PLUMBING WORK WITH ALL OTHER TRADES.
2. ALL DIMENSIONS AND PIPE SIZES ARE IN INCHES, UNLESS OTHERWISE NOTED.
3. INSTALL DUCTWORK IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS. PRESSURE CLASSIFICATION OF DUCT WORK IS TO BE AS FOLLOWS:
 - a. SUPPLY 2"
 - b. RETURN 2"
 - c. EXHAUST 2"
4. PROVIDE TURNING VANES IN ALL MITERED ELBOWS, OR PROVIDE ELBOWS WITH CENTER LINE RADIUS EQUAL TO 1.5 TIMES DUCT WIDTH.
5. INSTALL ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
6. REFLECTED CEILING PLANS FOR ANY AND ALL AREAS PREPARED BY THE ARCHITECT SHOWING THE LOCATION OF AIR INTAKES AND OUTLETS SHALL TAKE PRECEDENCE OVER THE LOCATION OF THOSE SHOWN ON THE HVAC DRAWINGS OF THIS CONTRACT SET OF DRAWINGS. THIS SUBCONTRACTOR SHALL INSTALL THE AIR INTAKES AND OUTLETS IN ANY GIVEN AREA TO AGREE WITH THE ARCHITECTS REFLECTED CEILING PLANS.
7. ALL SCHEDULED MOTOR DATA AND ELECTRICAL CHARACTERISTICS ARE MAXIMUM, WHERE EQUIPMENT IS SUPPLIED WITH TARGET MOTORS OR ELECTRICAL CHARACTERISTICS THE HC TO COORDINATE WITH THE EC AND PAY FOR ALL CHANGES AS A RESULT INCREASED CAPACITY.
8. INSTALL ALL EQUIPMENT AND MATERIALS IN STRICT ACCORDANCE WITH RESPECTIVE MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. THE DESIGNER AND ALL EQUIPMENT - MECHANICAL CONTRACTOR MUST REVIEW THE EQUIPMENT SCHEDULES, SPECIFICATIONS, AND DRAWINGS IN ALL CONTRACT DOCUMENTS AND SUBSEQUENT SHOP DRAWINGS, PROVIDE ALL LABOR AND MATERIALS FOR A COMPLETE AND OPERABLE SYSTEM AS PART OF THE CONTRACT. FAILURE TO REVIEW DOES NOT RELIEVE THE CONTRACTOR OF FULFILLING THE CONTRACTUAL OBLIGATIONS.
10. REFER TO ARCHITECTURAL DRAWINGS AND SHOP DRAWINGS FOR FINAL EXACT LOCATIONS CONNECTIONS AND FOR ALL WORK REQUIRED FOR EQUIPMENT NOT FURNISHED UNDER THIS CONTRACT.
11. MECHANICAL CONTRACTOR TO FIELD MEASURE AND/OR REVIEW ALL PERTINENT DOCUMENTS TO ASSURE LAYOUTS SHOWN ON HVAC DRAWINGS ARE COMPATIBLE WITH AVAILABLE SPACE AND WORK OF OTHER TRADES, AND ARE IN DRAWINGS. ACCORDANCE WITH LAYOUTS SHOWN ON GENERAL CONTRACT ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION PRIOR TO SUBMITTING EQUIPMENT SHOP DRAWINGS.
12. MECHANICAL CONTRACTOR IS CAUTIONED THAT LIMITED SPACE IS AVAILABLE IN WITH AND CROSS IN CEILING CAVITY. ALL DUCTWORK MUST BE COORDINATED WITH SPACE AND EQUIPMENT. PROVIDE ALL OFFSETS REQUIRED TO ACCOMMODATE WORK OF OTHER TRADES.
13. PROVIDE FLEXIBLE CONNECTIONS AT UNIT SUPPLY AND RETURN CONNECTIONS, OFFSET AND TRANSITION SUPPLY AND RETURN DUCTWORK AS REQUIRED TO AVOID STRUCTURE. PROVIDE MITERED ELBOWS WITH TURNING VANES AT BOTTOM OF SUPPLY AND RETURN DUCT DROPS.
14. 4" HIGH CONCRETE HOUSEKEEPING PAD BY MECHANICAL CONTRACTOR.
15. DO NOT INSTALL ANYTHING WITHIN THE EQUIPMENT TROUBLESHOOTING SPACE. COORDINATE WITH OTHER TRADES TO KEEP THIS SPACE CLEAR. COORDINATE WITH TRUSSES IN SUCH A MANNER THAT EQUIPMENT SHALL CLEAR TRUSS WORK.
16. DUCTWORK TO BE INSULATED WITH FIBERGLASS FLEXIBLE BLANKET INSULATION UNLESS OTHERWISE NOTED ON DRAWING OR DETAILS. JAMES SHALL BE NOTED ON THE DRAWINGS.
17. FOR ALL BRANCH DUCT CONNECTIONS TO MAIN TRUNK, PROVIDE 45 DEGREE TRANSITION FITTING OR CONICAL TAP FOR ROUND DUCT. BUTT FITTINGS ARE NOT PERMITTED. PROVIDE MANUAL VOLUME DAMPER WITH LOCKING QUADRANT IN ALL BRANCH RUN OUTS TO GRILLES AND DIFFUSER.
18. PROVIDE TURNING VANES IN ALL MITERED ELBOWS, OR PROVIDE ELBOWS WITH CENTERLINE RADIUS EQUAL TO 1.5 TIMES DUCT WIDTH.
19. SLEEVE AND SEAL ALL PIPE, OR DUCT PENETRATIONS OF WALLS AND FLOORS. PACK VOID BETWEEN PIPE, OR DUCT AND SLEEVE WITH INSULATION IN NON-RATED WALLS AND FLOORS. PACK VOID BETWEEN PIPE, OR DUCT AND SLEEVE WITH INSULATION IN FIRE-RATED WALLS AND FLOORS, APPLY INTUMESCENT FIRE SAFING COMPOUND AT PENETRATION, MAINTAINING INTEGRITY AND RATING OF FIRE SEPARATION. SLEEVES THROUGH FLOORS SHALL EXTEND 2" ABOVE FLOOR, BE GROUDED INTO PLACE AND WATERPROOFED. PIPING THROUGH EXTERIOR WALLS SHALL BE SLEEVED AND SEALED WEATHER TIGHT.
20. AS APPLICABLE, AND AS INDICATED, PIPE DROPS ARE TO BE ON WALL, IN WALL, OR IN ENCLOSED SPACE PROVIDED BY THE GENERAL CONTRACTOR.
21. CONCEALED PIPING DROPS IN WALLS OR ENCLOSED SPACES SHALL BE INSULATED WITH 1/2" THICK UN-SLIT FLEXIBLE UNICELLULAR INSULATION.
22. IF, FOR ANY REASON, IT IS NECESSARY TO RUN PIPING THROUGH FINISHED AREAS IN A MANNER THAT PIPING WOULD BE VISIBLE, THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE AN APPROVED TYPE OF ENCLOSURE FOR CONCEALMENT, AT NO ADDITIONAL COST. CONTACT ARCHITECT IF THIS SITUATION OCCURS.
23. PROVIDE OPENING THROUGH WALLS, DIAMETER LARGER THAN PIPE. SET SLEEVE AND PACK OPENING WITH FIBERGLASS TO PREVENT RUBBING OR NOISE TRANSFER.
24. PROVIDE SHUT-OFF VALVE IN ALL HOT WATER SUPPLY BRANCHES AND COMBINATION SHUT-OFF AND BALANCE VALVE IN ALL HOT WATER RETURN BRANCHES. LOCATE IN ACCESSIBLE CEILING SPACE OR IF INSIDE EQUIPMENT ENCLOSURES, PROVIDE ACCESS DOOR.

| SYMBOL | UNIT DATA | | | | | | | | | | | | | | | PHYSICAL PROPERTIES | | REMARKS | |
|--|--------------|--------------------|------|-------------|-----------|-----------|------|-----------|------|------|-----------|------------|----------------|--------------|-----|---------------------|--------------|---------|------------------------------------|
| | MANUFACTURER | MODEL | | FAN | | | | COOLING | | | GAS HEAT | | | ELECTRICAL | | | WEIGHT (LBS) | | DIMENSIONS (INCHES) HGTxLENxWTH |
| | | | | CFM (TOTAL) | CFM (O/A) | ESP ("WC) | HP | TOTAL MBH | EER | IEER | INPUT MBH | OUTPUT MBH | EFFICIENCY (%) | VOLTS/ PHASE | MCA | MOP | | | |
| RTU-1 | YORK | ZF078N1ZB2B2AAA1A1 | 2400 | 300 | 0.6 | 1.5 | 79.6 | 11.2 | 12.7 | 120 | 96 | 80 | 208/3ø | 31.5 | 40 | 1055 | 42x89x59 | - | |
| NOTES: 1. ALL ROOFTOP UNITS SHALL BE AS SCHEDULED. 2. FACTORY FABRICATED ROOF CURB. 3. FACTORY INSTALLED PACKAGE WITH UNIT DISCONNECT. 4. FACTORY INSTALLED ECONOMIZER WITH SINGLE ENTHALPY CONTROL AND BAROMETRIC RELIEF. 5. PROGRAMMABLE THERMOSTAT. 6. PROVIDE UNIT WITH FACTORY INSTALLED RETURN AIR SMOKE DETECTOR. | | | | | | | | | | | | | | | | | | | |
| YORK NATIONAL ACCOUNTS HVAC EQUIPMENT PACKAGE: MAVIS DISCOUNT TIRE HAS A NATIONAL HVAC AGREEMENT WITH YORK INTERNATIONAL. THE HVAC EQUIPMENT, AIR DEVICES, AND EA FANS/CURBS SHALL BE PURCHASED BY THE GENERAL CONTRACTOR -- NO EXCEPTIONS, UNLESS NOTED OTHERWISE. THE HVAC MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND ACCEPTING THE EQUIPMENT, VERIFYING PROPER QUANTITIES, PROVIDING TEMPORARY STORAGE, LABOR, 1ST YEAR LABOR WARRANTY. FOR QUESTIONS REGARDING QUOTES, PRICING, AND TECHNICAL SPECIFICATIONS, CONTACT YORK NATIONAL ACCOUNTS @ 800-481-9738 OR EMAIL: BE-YorkNAQuotes@jci.com. FOR ALL OTHER INQUIRIES, PLEASE CONTACT WALT JACOB, NATIONAL ACCOUNT SALES MANAGER, AT 405-312-6666, OR EMAIL: WALT.JACOB@EJCI.COM | | | | | | | | | | | | | | | | | | | |

| SYMBOL | UNIT DATA | | | | | | | | | ROOF OPENING (IN INCHES) | CONTROLS | LOCATION |
|--------|--------------|--------|------|------------|------------------|--------|------|------|-------------|--------------------------|---------------------|------------|
| | MANUFACTURER | MODEL | CFM | SP (IN WG) | FAN TYPE | DRIVE | HP | RPM | VOLTS/PHASE | | | |
| EF-1 | YORK | EVD10R | 300 | 0.375 | ROOF CENTRIFUGAL | DIRECT | 1/12 | 1362 | 120V/1Ø | 11-1/2 X 11-1/2 | INTERLOCK W/ LIGHTS | BATHROOMS |
| EF-2 | YORK | EVD14B | 2500 | 0.25 | ROOF CENTRIFUGAL | BELT | 1/2 | 967 | 120V/1Ø | 16 X 16 | ON/OFF | REPAIR BAY |

NOTES
1. FOR EF-2: PROVIDE STARTER WITH H-O-A, PILOT LIGHT, AUXILIARY CONTACT (RATED NEMA 1)

| SYMBOL | MANUFACTURER | MODEL | TYPE | CFM | FAN HP | MBH INPUT | MBH OUTPUT | STAGES | MIN GAS PRESSURE (IN W.G.) | VENT SIZE | VOLTS/ PHASE | CONTROLS | REMARKS |
|--------|--------------|---------|---------|------|--------|-----------|------------|--------|----------------------------|-----------|--------------|------------------------------|--------------------|
| GUH-1 | MODINE | PTP 175 | NAT GAS | 2725 | 1/6 | 175 | 140 | 1 | 7" | 4" | 120V/1Ø | 24V- CONNECTED TO THERMOSTAT | WALL MOUNT BRACKET |
| GUH-2 | MODINE | PTP 175 | NAT GAS | 2725 | 1/6 | 175 | 140 | 1 | 7" | 4" | 120V/1Ø | 24V- CONNECTED TO THERMOSTAT | WALL MOUNT BRACKET |

NOTES:
1. PROVIDE UNIT STANDARD COLOR AS SELECTED BY OWNER.

NOTES:
1. PROVIDE UNIT STANDARD COLOR AS SELECTED BY OWNER

| SYMBOL | MANUFACTURER | MODEL | WATTS | VOLTS / PHASE | CONTROLS | REMARKS |
|--------|--------------|---------|-------|------------------|------------------------|-----------------|
| EH | MARKEL | E4375TW | 750 | 120V/1Ø | INTEGRAL THERMOSTAT | MOUNT 4' A.F.F. |

[illegible]

NOTES:

1. THE SERVICE AREA & TIRE STORAGE AREA SHALL BE NATURALLY VENTILATED PER IMC SECTION 402, AS WELL AS A 2,500 CFM EXHAUST FAN TO PROVIDE MECHANICAL VENTILATION PER IBC 406.6.3.

A. NATURAL VENTILATION AREA REQUIREMENT: THE MINIMUM OPENABLE AREA TO THE OUTDOORS SHALL BE 4% OF THE FLOOR AREA BEING NATURALLY VENTILATED PER IMC 402.2.

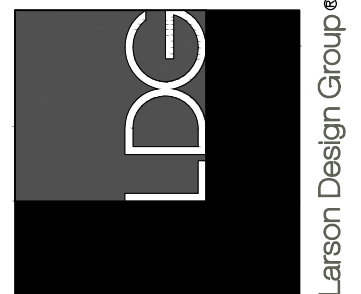
B. NATURAL VENTILATION CALCULATIONS: $4,463 \text{ SF (AREA BEING NATURALLY VENTILATED)} \times 0.04 = 178.5 \text{ MINIMUM SF OF OPENABLE AREA REQUIRED. THE OPENABLE AREA PROVIDED IS } 994 \text{ SF, WHICH IS GREATER THAN THE } 178.5 \text{ SF REQUIRED.}$

C. MECHANICAL EXHAUST RATE REQUIRED IS $0.75 \text{ CF/SF MIN. (} 0.75 \times 2,331 \text{ SF} = 1,749 \text{ CFM MIN REQUIRED.)}$

D. MECHANICAL EXHAUST RATE PROVIDED IS 2,500 CFM, WHICH IS GREATER THAN THE 1,749 CFM MIN REQUIRED.

MAR 11 2019

8-BAY SINGLE SIDED

[illegible]

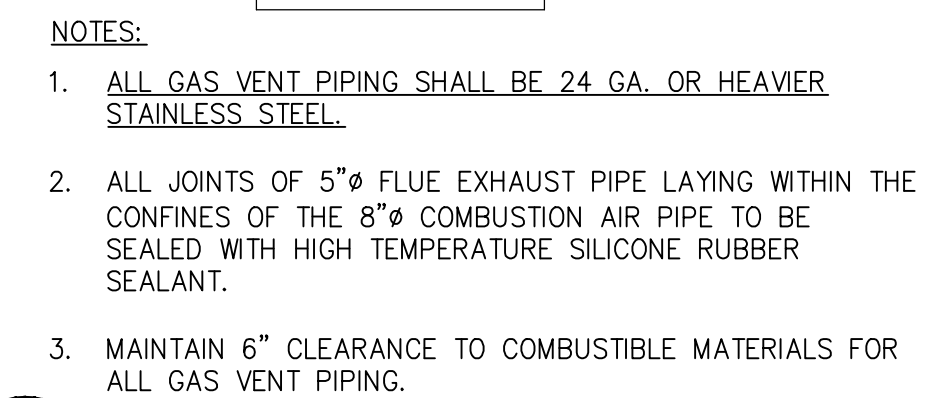
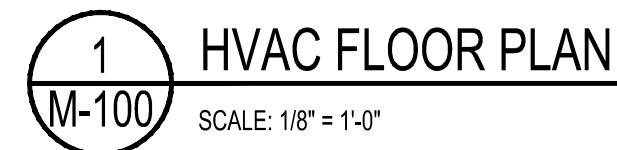
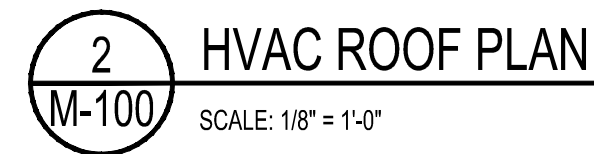
HVAC LEGEND, SCHEDULES, AND NOTES

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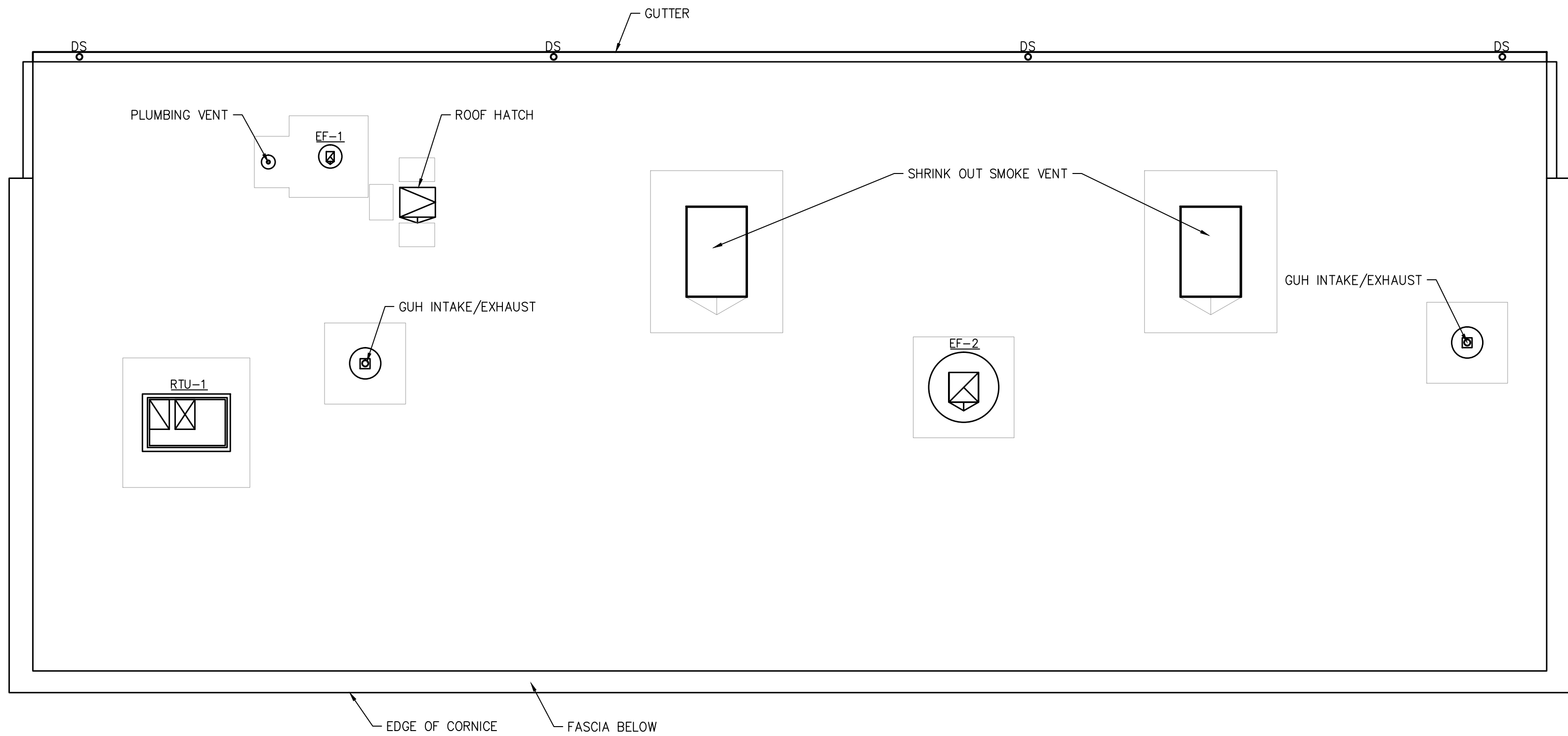
M-001

PROJECT NO.: XXXX-XXX

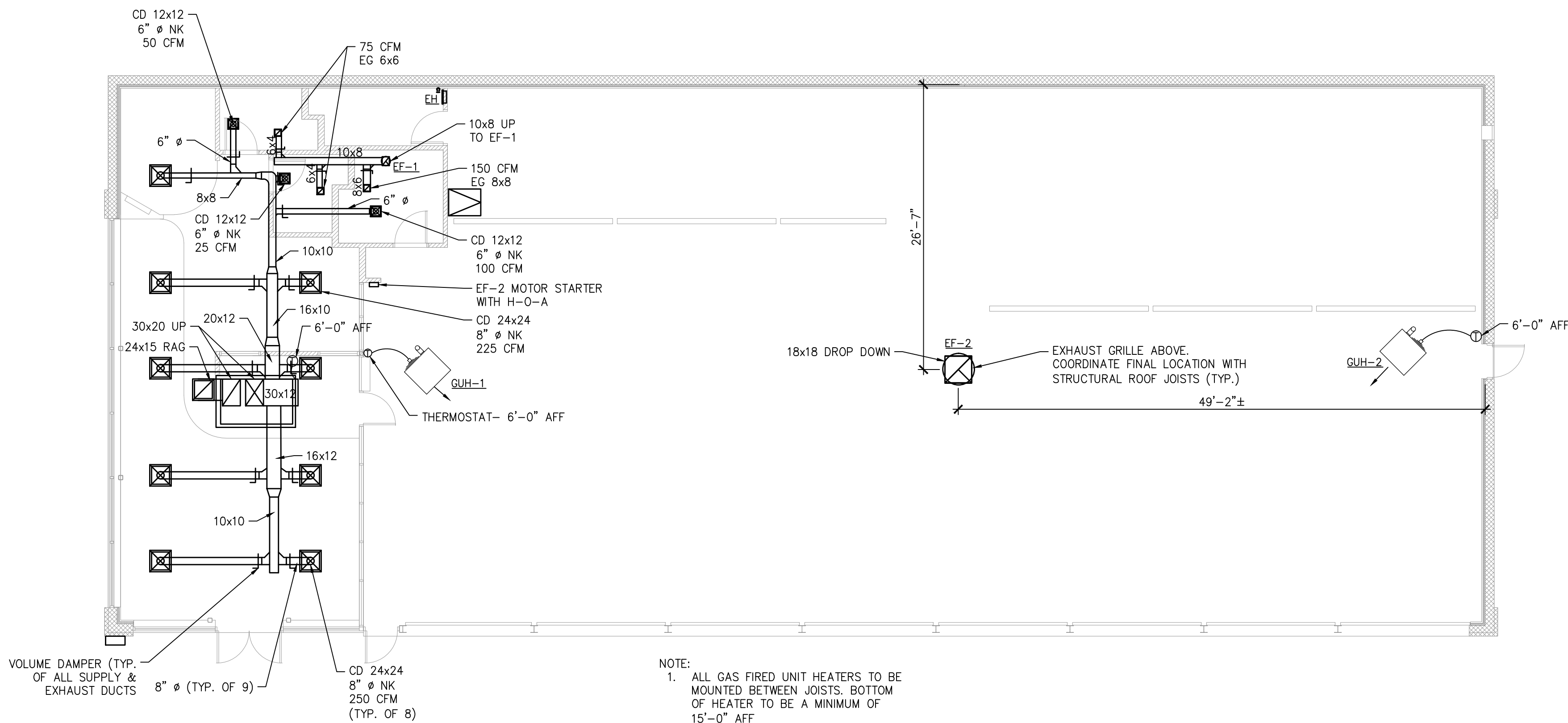


3 UNIT HEATER VENT PIPING DETAIL
M-100 NO SCALE

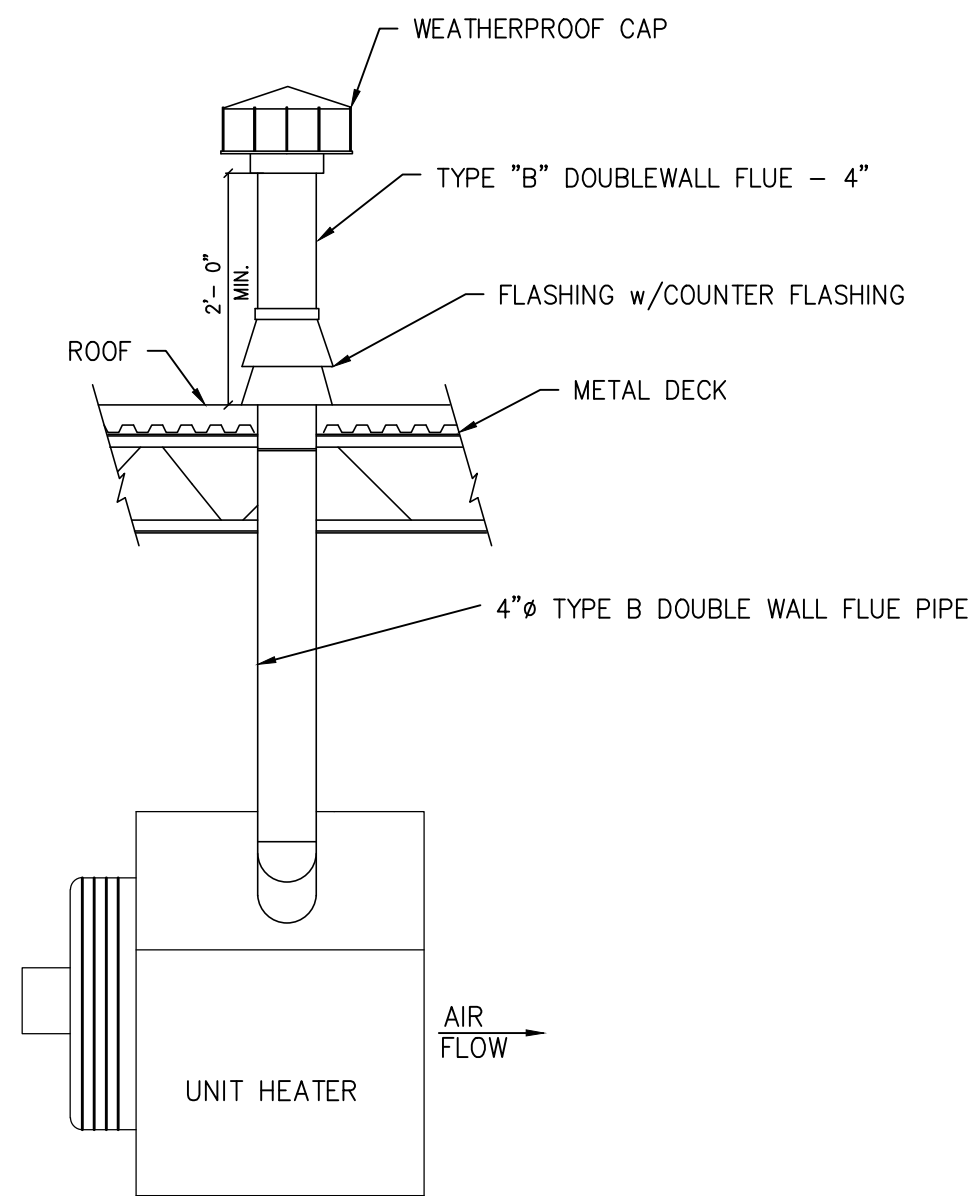
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2 HVAC ROOF PLAN
SCALE: 1/8" = 1'-0"

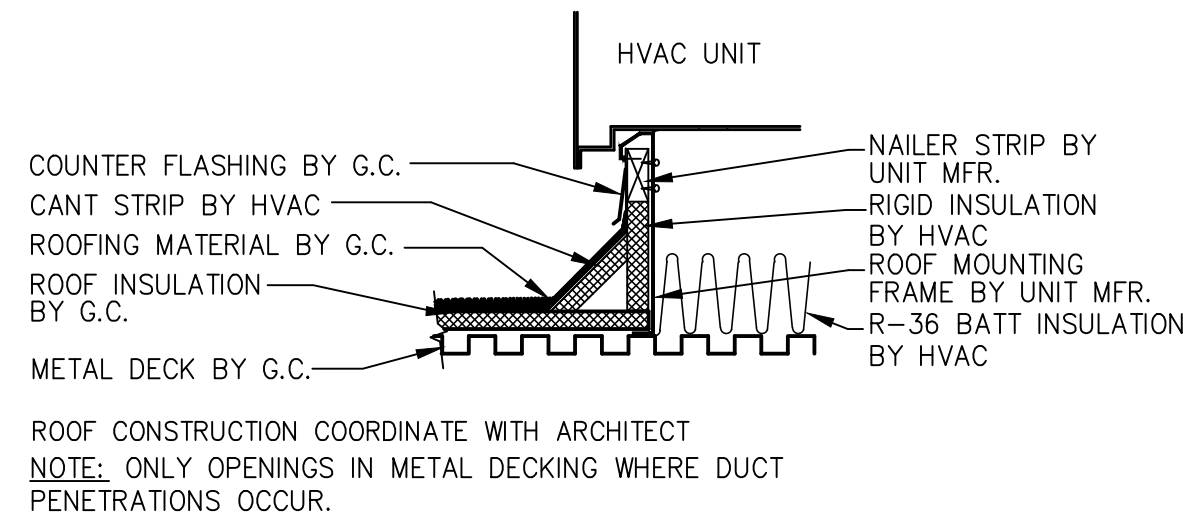


1 HVAC FLOOR PLAN
SCALE: 1/8" = 1'-0"

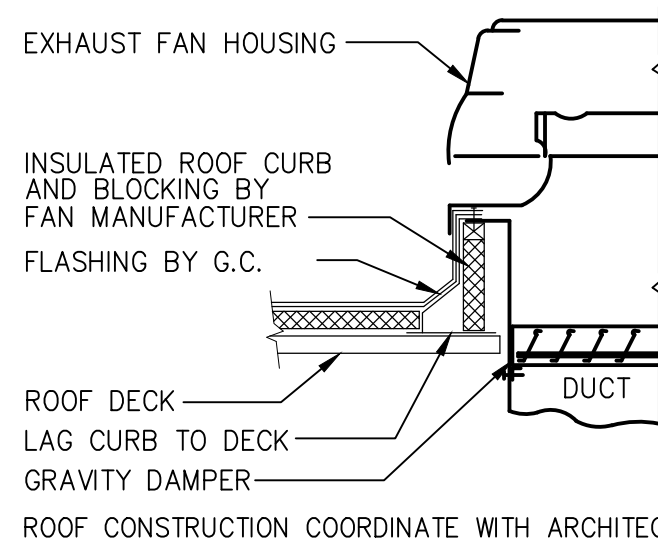


- NOTES:**
- ALL GAS VENT PIPING SHALL BE 24 GA. OR HEAVIER STAINLESS STEEL.
 - ALL JOINTS OF 5" Ø FLUE EXHAUST PIPE LAYING WITHIN THE CONFINES OF THE 8" Ø COMBUSTION AIR PIPE TO BE SEALED WITH HIGH TEMPERATURE SILICONE RUBBER SEALANT.
 - MAINTAIN 6" CLEARANCE TO COMBUSTIBLE MATERIALS FOR ALL GAS VENT PIPING.

3 UNIT HEATER VENT PIPING DETAIL
NO SCALE



4 ROOF CURB DETAIL FOR HVAC UNIT
NO SCALE

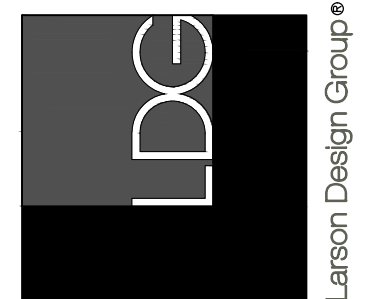


5 ROOF EXHAUST FAN CURB DETAIL
NO SCALE

MAR 11 2019

8-BAY SINGLE SIDED
(LEFT SIDE)

| NO. | DATE | ISSUED | COMMENTS | BY | CHKD |
|-----|------------|--------|----------|-----|------|
| 1 | 11/15/2018 | | | XXX | XXX |
| 2 | | | | | |
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| 10 | | | | | |



HVAC PLAN

MAVIS DISCOUNT TIRE #X - CITY, STATE

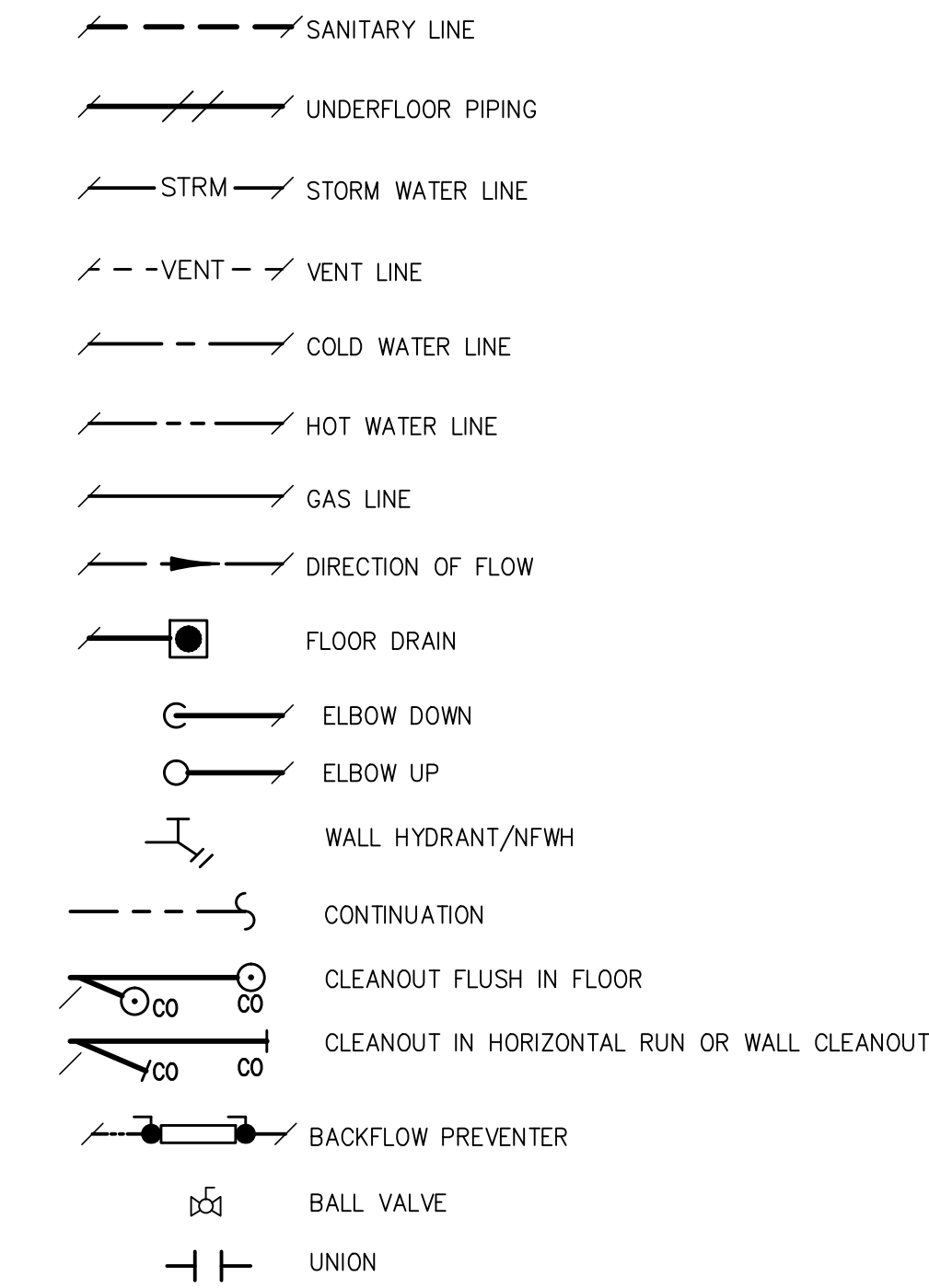
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MAVIS TIRE SUPPLY, LLC
358 SAW MILL RIVER ROAD
MILLWOOD, NY 10546
PHONE (914) 984-2500

SHEET NO.:
M-100

PROJECT NO.: XXXX-XXX

PLUMBING – SYMBOLS



PLUMBING – ABBREVIATIONS

| | | | |
|-------|--------------------------------|------|---------------------------|
| ABV | ABOVE | KW | KILOWATT |
| AB CL | ABOVE CEILING | LAV | LAVATORY |
| AFF | ABOVE FINISHED FLOOR | MB | MOP BASIN |
| AP | ACCESS PANEL | MC | MECHANICAL CONTRACTOR |
| BLW | BELOW | N/C | NORMALLY CLOSED |
| BFG | BELOW FINISHED GRADE | NIC | NOT IN CONTRACT |
| BFP | BACKFLOW PREVENTER | NFWH | NON-FREEZE WALL HYDRANT |
| BOS | BOTTOM OF STEEL | N/O | NORMALLY OPENED |
| BTUH | BRITISH THERMAL UNITS PER HOUR | NTS | NOT TO SCALE |
| CD | CONDENSATE DRAIN | OD | OVERFLOW DRAIN |
| CFH | CUBIC FEET PER HOUR | OS&Y | OUTSIDE STEM & YOKE |
| CI | CAST IRON | P | PRESSURE GAUGE |
| CO | CLEANOUT | PC | PLUMBING CONTRACTOR |
| CONC | CONCRETE | PRV | PRESSURE REDUCING VALVE |
| CW | COLD WATER | PSI | POUNDS PER SQUARE INCH |
| DIP | DUCTILE IRON PIPE | PVC | POLY VINYL CHLORIDE |
| DF | DRINKING FOUNTAIN | RD | ROOF DRAIN |
| DN | DOWN | RPM | REVOLUTIONS PER MINUTE |
| E | ELECTRICAL CONTRACTOR | RWC | RAINWATER CONDUCTOR |
| EES | EMERGENCY EYE WASH AND SHOWER | SAN | SANITARY |
| EW | ELECTRIC WATER COOLER | SH | SHOWER |
| EXIST | EXISTING | SS | SERVICE SINK |
| FD | FLOOR DRAIN | T | TEMPERATURE DIFFERENCE |
| FD/T | FLOOR DRAIN WITH TRAP PRIMER | TMV | THERMOSTATIC MIXING VALVE |
| FFE | FINISH FLOOR ELEVATION | TYP | TYPICAL |
| FCO | FLOOR CLEANOUT | UR | URINAL |
| FLR | FLOOR | V | VENT |
| FS | FLOOR SINK | VTR | VENT THRU ROOF |
| GC | GENERAL CONTRACTOR | W | WASTE |
| GH | GROUND HYDRANT | W/ | WITH |
| GPM | GALLONS PER MINUTE | W/O | WITHOUT |
| HB | HOSE BIBB | WC | WATER CLOSET |
| HC | HVAC CONTRACTOR | WCO | WALL CLEANOUT |
| HP | HORSE POWER | WH | WATER HEATER |
| HW | HOT WATER | WHA | WATER HAMMER ARRESTOR |
| HWR | HOT WATER RETURN | | |
| INV | INVERT | | |

PLUMBING – GENERAL NOTES

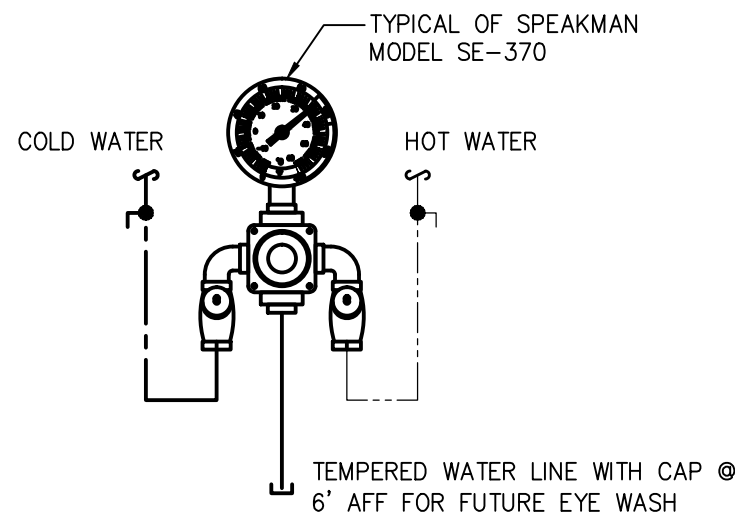
1. VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN FIELD BEFORE ORDERING EQUIPMENT OR FABRICATING COMPONENTS.
2. UNLESS NOTED OTHERWISE, CONSTRUCTION MATERIAL AND EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF THE SITE.
3. COORDINATE WORK WITH EXISTING STRUCTURAL AND ARCHITECTURAL FEATURES AND PROVIDE OFFSETS AND FITTINGS AS REQUIRED.
4. COORDINATE WORK WITH ALL OTHER TRADES. CEILING HEIGHTS ON ARCHITECTURAL PLANS ARE FINAL.
5. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING UNDERGROUND UTILITIES AND PIPING BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT OCCUR BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES.
6. INSTALL ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
7. CONTRACTOR IS REQUIRED TO NOTIFY FACILITY OWNERS NOT LESS THAN 3 AND NOT MORE THAN 10 WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION WORK WHEN USING POWERED EQUIPMENT.
8. COORDINATE LOCATION OF ALL PIPING AND DEVICES BEFORE INSTALLATION WITH THE WORK OF OTHER TRADES. WHERE A CONFLICT IN AVAILABLE CLEARANCES OCCURS, OBTAIN CLARIFICATION FROM OTHER TRADES. WHERE A CONFLICT IN AVAILABLE CLEARANCES OCCURS, OBTAIN CLARIFICATION FROM THE ARCHITECT, AND PROVIDE WHATEVER ADDITIONAL PIPING, FITTINGS, ETC., ARE REQUIRED TO INSTALL PLUMBING SYSTEM WITHOUT ANY ADDITIONAL COST TO THE CONTRACT.
9. VERIFY MOUNTING HEIGHTS OF EQUIPMENT FIXTURES W/ARCHITECT DRAWING BEFORE ROUGH-IN.
10. BUILDING STORM WATER, DOMESTIC WATER, SANITARY, & GAS PIPING SHALL BE EXTENDED TO LIMIT DELINEATION OF CONTRACT LINE AS INDICATED ON DRAWINGS.
11. THE PLUMBING CONTRACTOR SHALL MAKE A COMPLETE WASTE, VENT, HOT & COLD WATER CONNECTION TO ALL OWNER FURNISHED EQUIPMENT.
12. INSTALL ALL PLUMBING EQUIPMENT AND MATERIALS IN STRICT ACCORDANCE WITH RESPECTIVE MANUFACTURER'S WRITTEN INSTRUCTIONS.
13. DIMENSIONS AND PIPE SIZES ARE IN INCHES UNLESS NOTED OTHERWISE.
14. RUN PIPING CONCEALED EXCEPT IN MECHANICAL ROOMS OR WHERE NOTED OTHERWISE.
15. RUN CONCEALED PIPING ON ROOM SIDE OF BUILDING INSULATION UNLESS NOTED OTHERWISE.
16. ALL EXPOSED PIPING SHALL BE CLEANED AND HAVE THE SURFACE PREPARED TO RECEIVE PAINTED FINISH. PRIME AND PAINT THE EXPOSED PIPING IN COLOR AS SELECTED BY THE ARCHITECT.
17. RUN 2" MINIMUM SIZE WASTE PIPING BELOW GROUND INSIDE BUILDING REGARDLESS OF SIZE NOTED ON FIXTURE SCHEDULE. SLOPE ALL SOIL, WASTE AND STORM WATER LINES PER CODE.
18. CONNECT WATER, WASTE, AND VENT PIPING TO FIXTURES IN ACCORDANCE WITH SIZES INDICATED ON FIXTURE SCHEDULE.
19. SEAL ALL FLOOR AND WALL PENETRATIONS IN FIRE RATED CEILINGS AND PARTITIONS TO MAINTAIN FIRE RATING. COORDINATE LOCATIONS WITH ARCHITECTURAL DRAWINGS.
20. COORDINATE EXACT LOCATION OF DOWNSPOUT NOZZLES WITH THE ROOF DRAIN TO DOWNSPOUT NOZZLE.
21. COORDINATE ACCESS PANELS AND DOORS WITH ARCHITECT FEATURES.
22. CONTRACTOR SHALL PROVIDE PIPE SLEEVES IN ALL FOUNDATION WALLS FOR PIPING PENETRATIONS.
23. ALL DOMESTIC WATER PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE, UNLESS OTHERWISE INDICATED.
24. MAKE ALL FINAL CONNECTIONS TO THE EQUIPMENT AS SHOWN ON THE DRAWINGS. PROVIDE SHUT-OFF VALVES IN ALL INDIVIDUAL WATER CONNECTIONS. IF APPLICABLE, PROVIDE SHUT-OFF VALVES IN ALL INDIVIDUAL GAS CONNECTIONS.
25. INSTALL VACUUM BREAKER ON ALL DRAIN VALVES, WALL HYDRANTS, AND ALL HOSE CONNECTIONS.
26. RUN ALL PIPING ABOVE CEILING UNDER BUILDING INSULATION OR CONCEALED IN WALLS, UNLESS NOTED OTHERWISE. ALL WASTE LINES AS SHOWN SHALL BE BELOW FLOOR, UNLESS NOTED OTHERWISE.
27. FURNISH AND INSTALL ACCESS PANELS (FIRE-RATED) WHERE REQUIRED, WHERE SHOWN, OR REQUIRED FOR ACCESS TO ALL CONCEALED VALVES, TRAPS OR OTHER EQUIPMENT FURNISHED UNDER THIS CONTRACT WHERE NO OTHER MEANS IS PROVIDED.
28. INSTALL UNIONS ON PIPING TO PERMIT EASY DISCONNECTING.
29. CONCEAL ALL PIPING, VALVES AND FITTINGS ABOVE CEILINGS AND IN CHASES WHERE THEY OCCUR, UNLESS NOTED OTHERWISE.
30. THE CONTRACTOR SHALL RIGIDLY SUPPORT ALL EQUIPMENT.
31. ALL SANITARY AND STORM SEWER PIPING SHALL BE RUN AT 1/8" PER FOOT SLOPE UNLESS OTHERWISE NOTED. ALL SANITARY SEWER PIPING 2" AND SMALLER SHALL BE RUN AT 1/4" PER FOOT SLOPE.
32. PROVIDE AND INSTALL ANGLE SHUTOFF VALVES AT EACH FIXTURE REQUIRING WATER. VALVES FOR WALL MOUNTED FIXTURES SHALL BE CHROME PLATED, THREADED, HEAVY DUTY TYPE AND HAVE LOOSE KEY STOPS. VALVES FOR COUNTERTOP FIXTURES SHALL BE 1/4 TURN BALL VALVES. PROVIDE SHUT-OFF VALVE IN ALL HOT WATER SUPPLY BRANCHES AND COMBINATION SHUT-OFF AND BALANCE VALVE IN ALL HOT WATER RETURN BRANCHES. LOCATE IN ACCESSIBLE CEILING SPACE OR IF INSIDE EQUIPMENT ENCLOSURES, PROVIDE ACCESS DOOR.

PLUMBING FIXTURE SCHEDULE

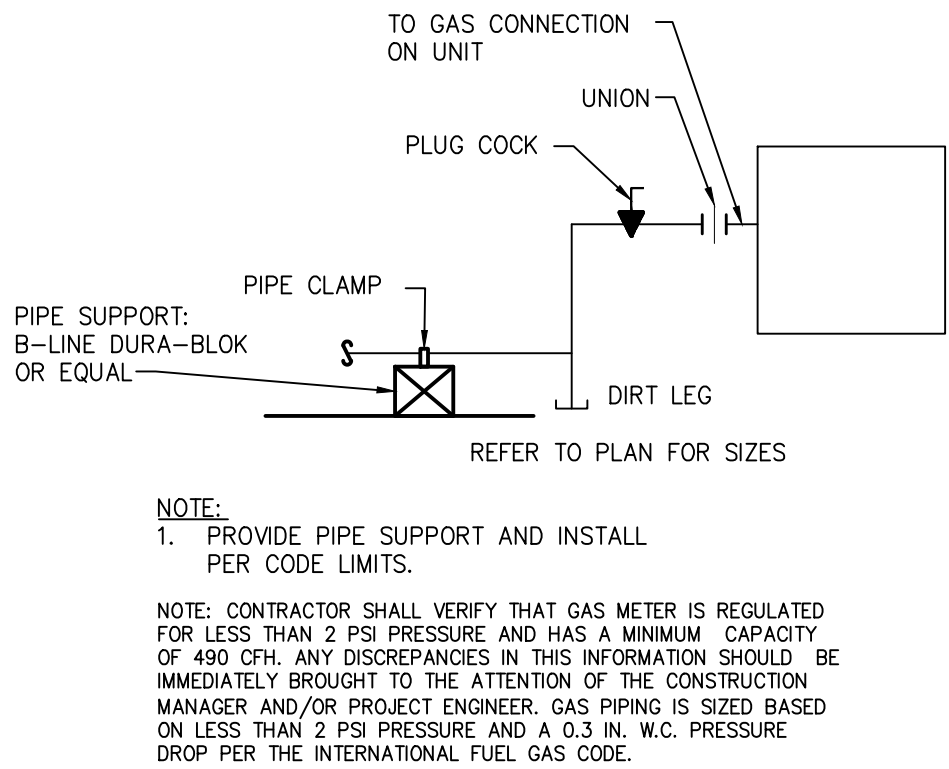
| MARK | DESCRIPTION | PIPE SIZE | | | | | MOUNTING HEIGHT AFF (INCHES) | REMARKS |
|------|----------------------------------|-----------|------|--------|--------|-----|------------------------------|---|
| | | CW | HW | VENT | WASTE | TEP | | |
| WC | WATER CLOSET, ADA COMPLIANT | 1/2" | – | 2" | 4" | – | 17" MIN 19" MAX TO SEAT | KOHLER "HIGHLINE" MODEL K-3519, FLOOR MOUNTED 1.0 GPM FLUSH, VITREOUS CHINA. FLUSHING SYSTEM: SLOAN FLUSHMATE7, FINISH COLOR TO BE WHITE. SEAT: MODEL K-4731-C OPEN FRONT SEAT WITHOUT COVER. ADA COMPLIANT. |
| UR | URINAL, ADA COMPLIANT | 3/4" | – | 1-1/4" | 2" | – | 17" MAX TO RIM | KOHLER "BARDON" MODEL K4904-ET-0 WITH 0.125 GPF FLUSHOMETER. ADA COMPLIANT. |
| LAV | LAVATORY, ADA COMPLIANT | 1/2" | 1/2" | 1-1/4" | 1-1/2" | – | 34" MAX | KOHLER "CHESAPEAKE" MODEL K-1724 VITREOUS CHINA, 14"x11" BASIN, 4 7/8" DEEP WALL HUNG TYPE, WITH METAL GRID DRAIN, WITH 1-1/4" TAILPIECE "P" TRAP, KOHLER "TRITON" FAUCET MODEL K-7404-5N WITH WRISTBLADE HANDLES. FINISH TO BE POLISHED CHROME. 0.5 GPM. INSULATE "P" TRAP AND SUPPLIES AND STOPS W/ TRUEBRO INC. "HANDILAV-GUARD" OR EQUAL INSULATION KITS. PROVIDE LAVATORY CONCEALED ARM CARRIER SMITH FIGURE 700. ADA COMPLIANT. |
| DF | DRINKING FOUNTAIN, ADA COMPLIANT | 1/2" | – | 1-1/4" | 2" | – | HI/LO | ELKAY HI/LO WALL MOUNT WATER COOLER, BARRIER FREE ACCESS, NSF/ANSI 61 COMPLIANT, MODEL EMABFTL8C, CAPACITY OF 8.0 GPH OF 50 DEGREE DRINKING WATER BASED UPON 80 DEGREE INLET WATER AND 90 DEGREE AMBIENT AIR. PROVIDE FOUNTAIN ACCESSORY APRON BY ELKAY TO MEET THE ADA REQUIREMENT FOR PROTRUDING OBJECTS- 307.2. COORDINATE ACCESSORY MODEL NUMBER WITH DRINKING FOUNTAIN MODEL NUMBER. ADA COMPLIANT.; COLOR: GREY ELEC.: 120V 1-PHASE SUPPORT: MOUNTING FRAME FOR ATTACHING TO SUBSTRATE. |
| SS | SERVICE SINK | 1/2" | 1/2" | 1-1/4" | 2" | – | – | KOHLER "BANNON" CAST IRON SERVICE SINK, MODEL K-6714 WITH K-6672, ADJUSTABLE TRAP STANDARD FOR 2" C.I. PIPE WITH CLEANOUT PLUG AND STRAINER. FAUCET: KOHLER MODEL K-8905 "KNOXFORD" SERVICE SINK FAUCET. |
| NFWH | NON FREEZE WALL HYDRANT | 3/4" | – | – | – | – | 18" | ZURN MODEL Z-1320 ENCASED ECOLOTROL "ANTI-SIPHON" AUTOMATIC DRAINING WALL HYDRANT FOR FLUSH INSTALLATION. COMPLETE WITH NON-FREEZE INTEGRAL BACKFLOW PREVENTER, COPPER CASING, ALL BRONZE INTERIOR PARTS WITH 1/2 TURN CERAMIC DISC CARTRIDGE AND COMBINATION 3/4" FEMALE SOLDER AND 3/4" MALE PIPE THREADED INLET. STAINLESS STEEL BOX AND HINGED COVER WITH OPERATING KEY LOCK AND "WATER" STAMPED ON COVER (ALL SOLDER CONNECTIONS ARE LEAD FREE.) |
| FCO | CLEAN OUTS | – | – | – | – | – | – | ZURN MODEL ZN1400 |
| EW | EYE WASH, ADA COMPLIANT | 1/2" | 1/2" | – | – | – | – | GUARDIAN WALL MOUNT COMBINATION EYE WASH/DRENCH HOSE UNIT MODEL G5026 WITH FLIP TOP DUST COVERS, INTERNAL FLOW CONTROL AND FILTER. POWDER COATED MOUNTING BRACKET WITH SPRING CLIPS AND STAINLESS STEEL SQUEEZE HANDLE WITH PLASTIC COVER. PROVIDE THERMOSTATIC MIXING VALVE. MOUNTING HEIGHT: TOP OF CONTROLS NOT TO EXCEED 48" AFF. ADA COMPLIANT. |
| FD | FLOOR DRAIN | – | – | – | 2" | – | – | ZURN MN4 Z415B WITH CAST IRON BODY AND TRAP, AND LIGHT DUTY 5" DIAMETER CAST IRON GRATE. PROVIDE TRAP PRIMER IF INDICATED ON PLANS OTHERWISE PROVIDE TRAP GUARD FOR ALL FLOOR DRAINS. |

ELECTRIC WATER HEATER SCHEDULE

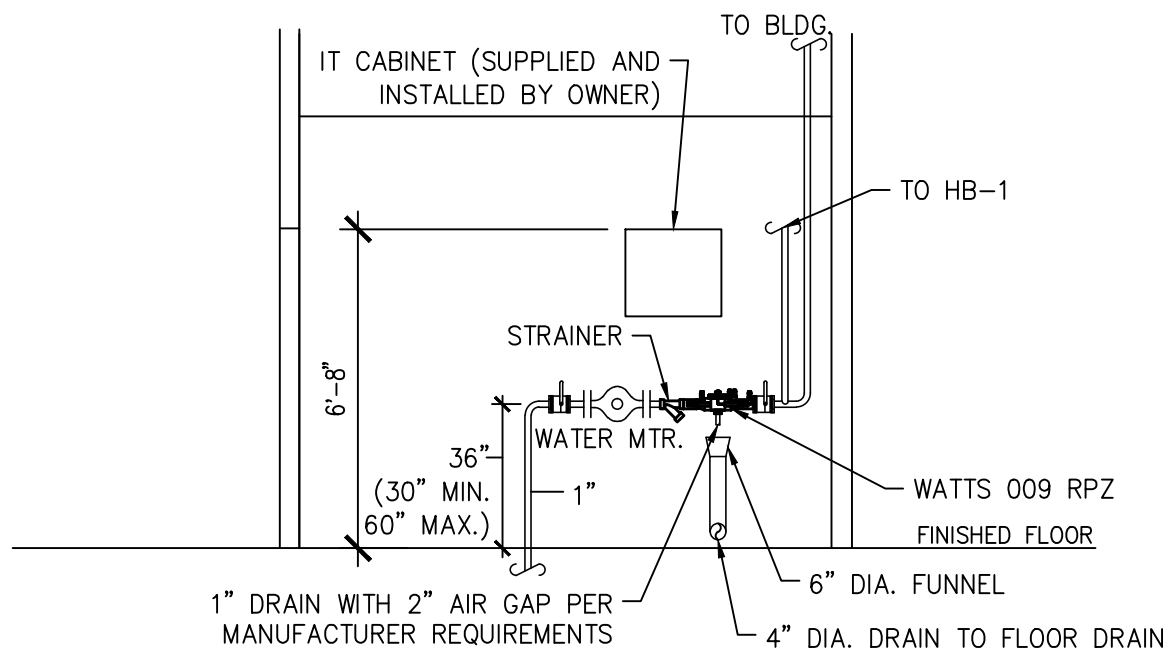
| SYMBOL | MNFR. | TYPE | MODEL | TANK CAPACITY GALS. | NUMBER OF ELEMENTS | VOLTS | ELEMENT WATTAGE | RECOVERY CAP GPM @ TEMP RISE OF 80°F | WEIGHT (LBS.) |
|--------|------------|----------|--------|---------------------|--------------------|--------|-----------------|--------------------------------------|---------------|
| WH | A.O. SMITH | ELECTRIC | DEL-15 | 15 | 1 | 208/1ø | 2000 | 10 | 58 |



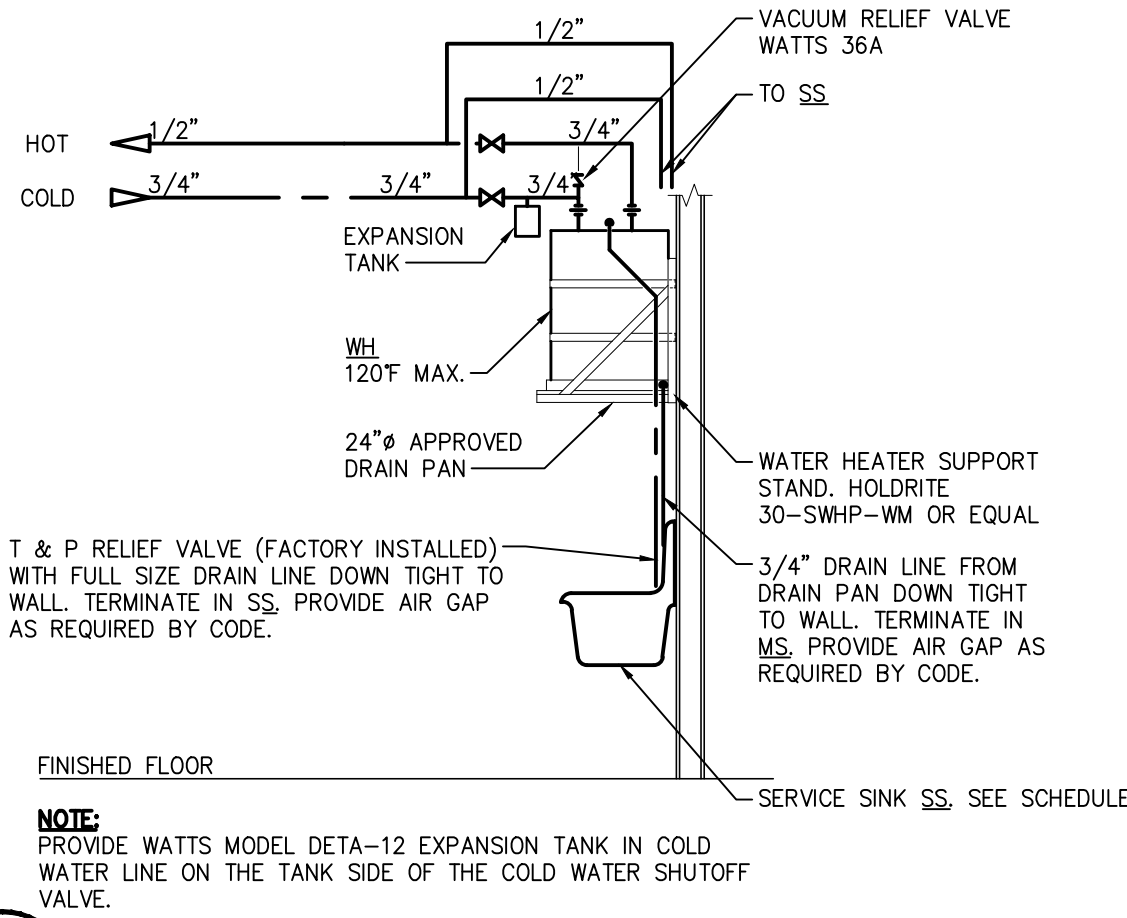
1 THERMOSTATIC MIXING VALVE DETAIL
SCALE: NTS



2 TYP GAS CONNECTION DETAIL
SCALE: NTS



3 1" WATER SERVICE AND BACKFLOW PREVENTER
SCALE: NTS



4 WATER HEATER DETAIL
SCALE: NTS

PLUMBING LEGEND, SCHEDULES, AND NOTES

MAVIS DISCOUNT TIRE #X - CITY, STATE

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1100 Commerce Park Drive • Suite 201
Williamsport, PA 17701
PHONE 570.323.6603 • TOLL FREE 877.323.6603
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MAVIS TIRE SUPPLY LLC
358 SAW MILL RIVER ROAD
MILLWOOD, NY 10546
PHONE (914) 984-2500

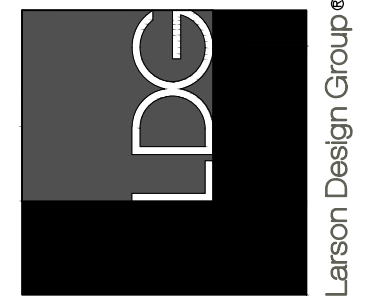
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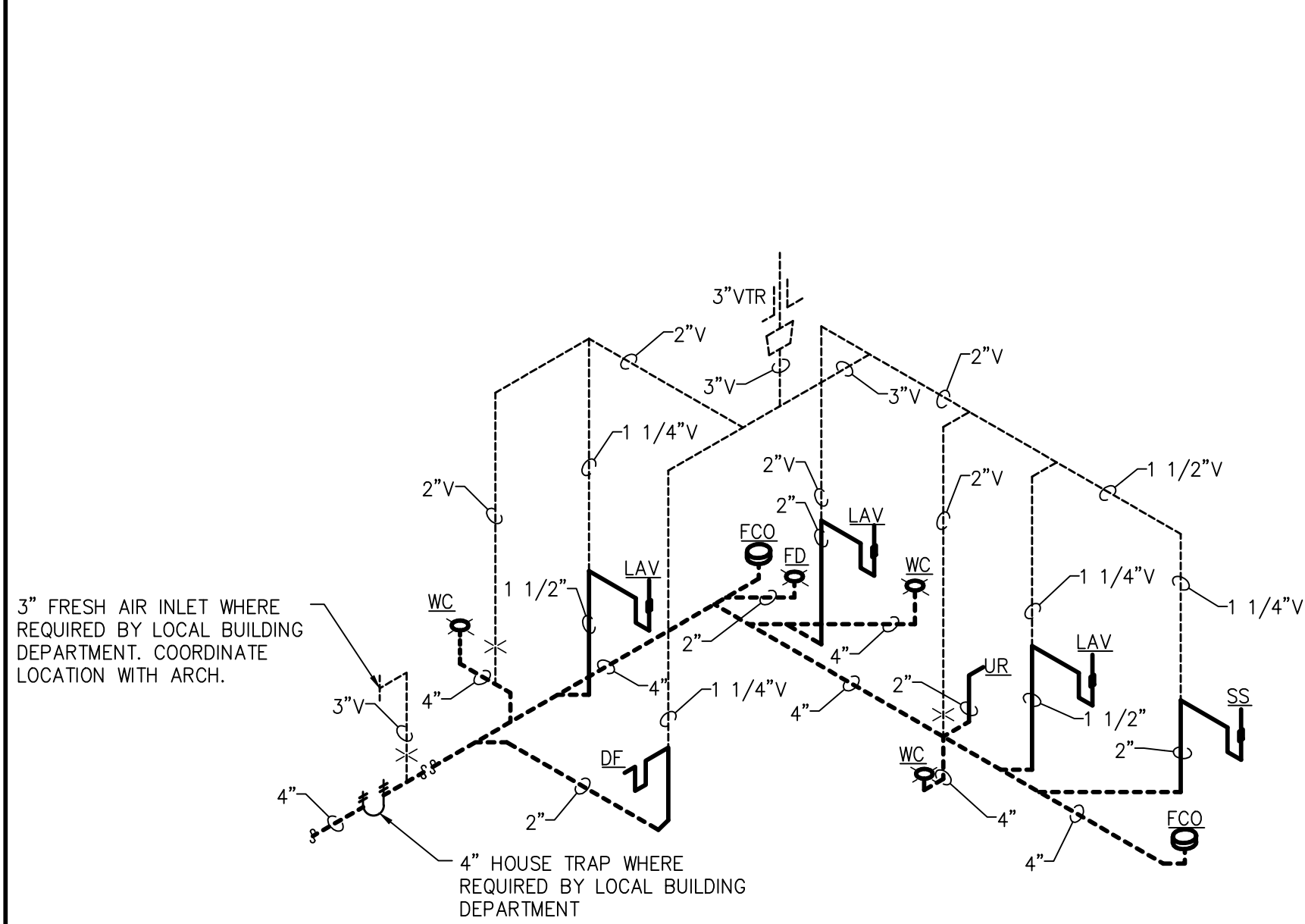
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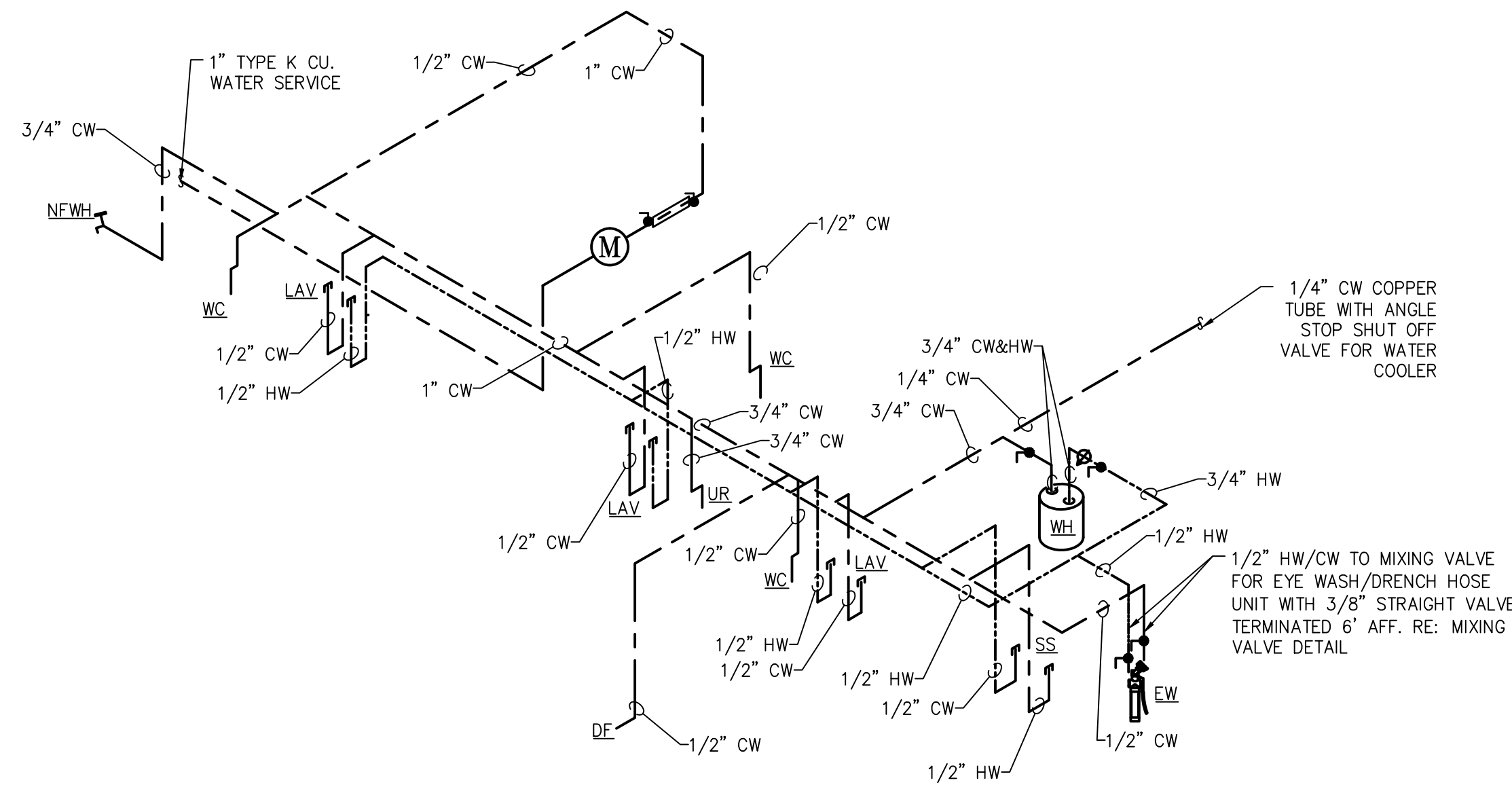
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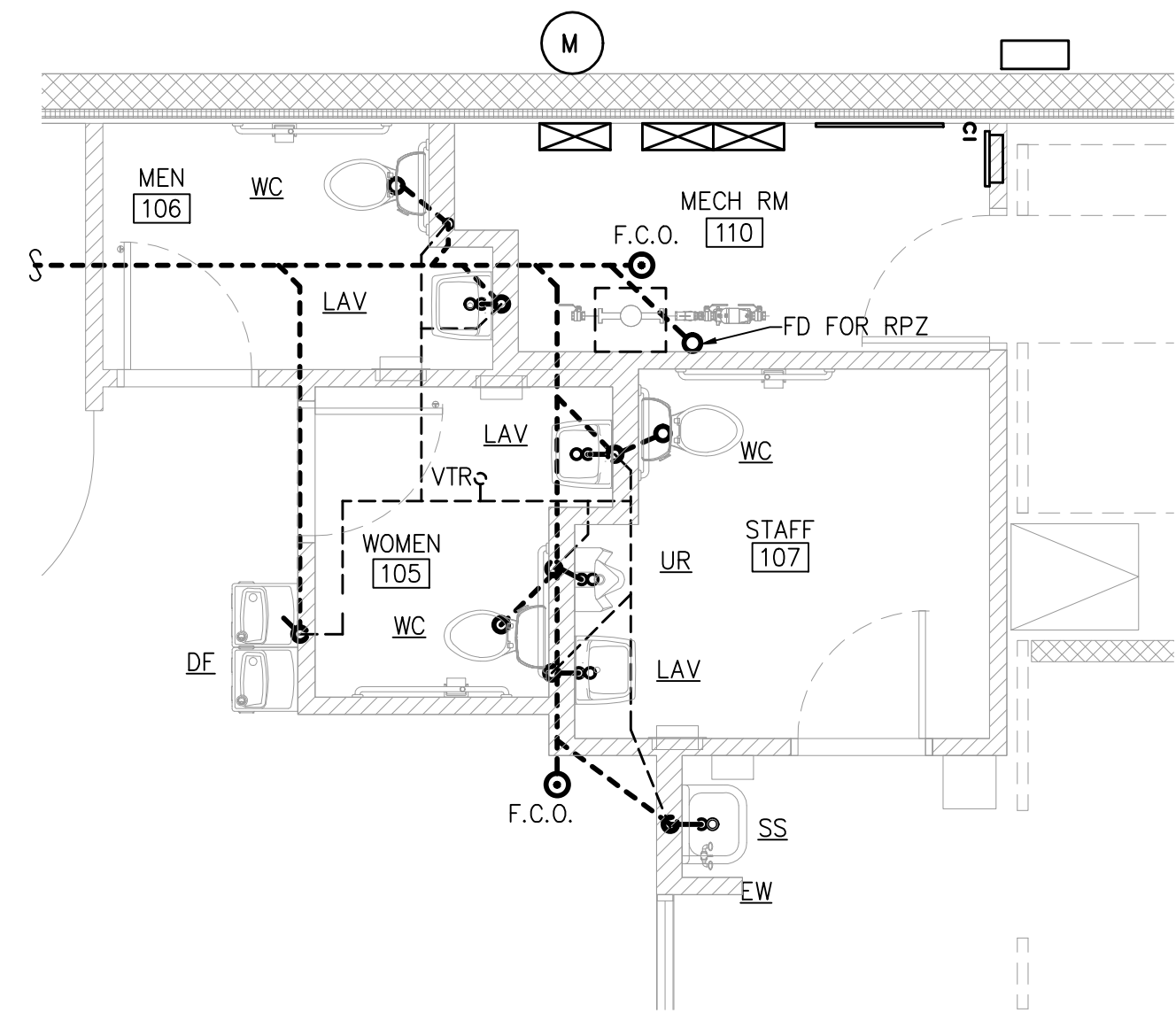




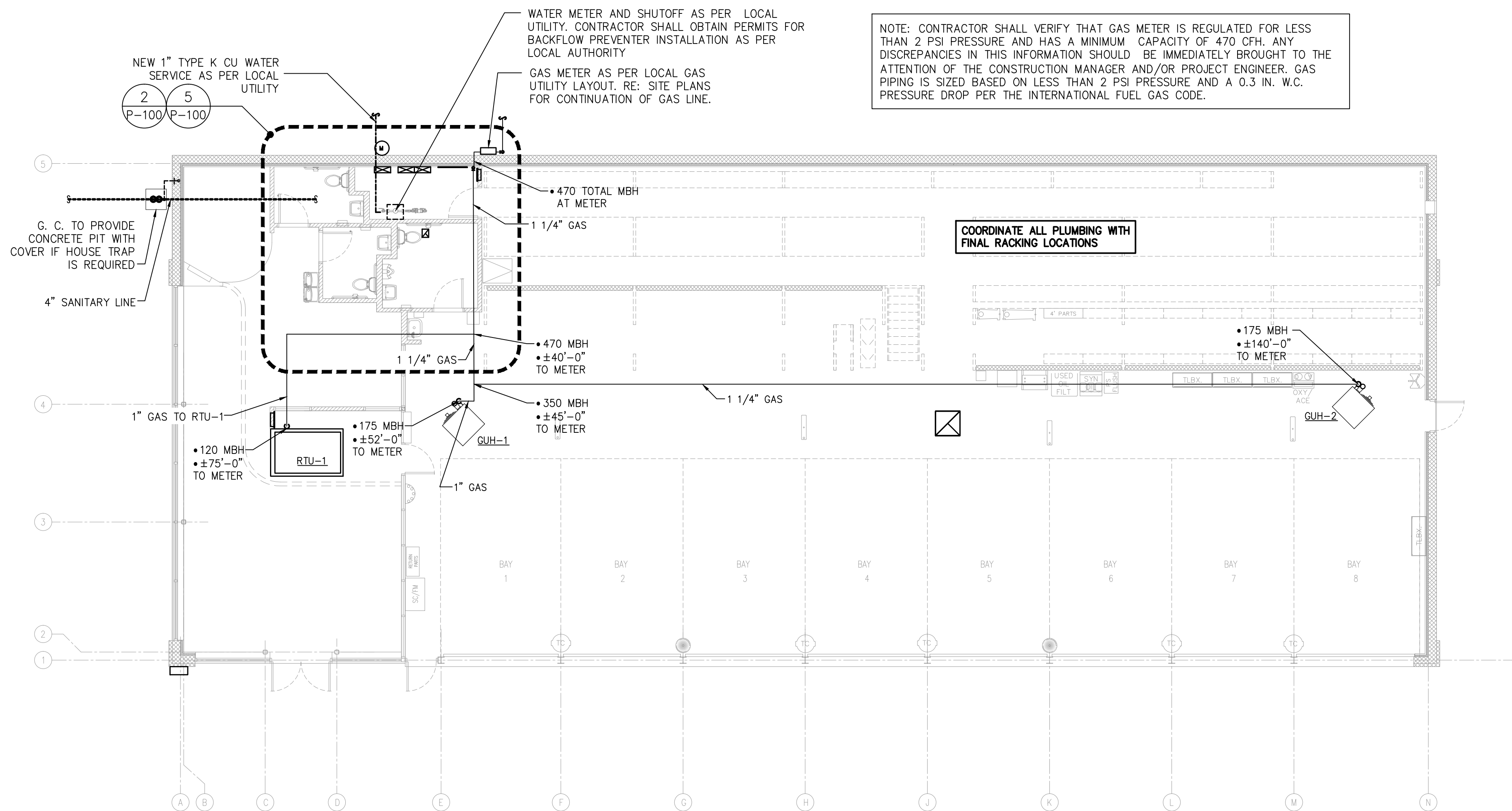
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P-100 **SANITARY PLUMBING RISER**
SCALE: NTS



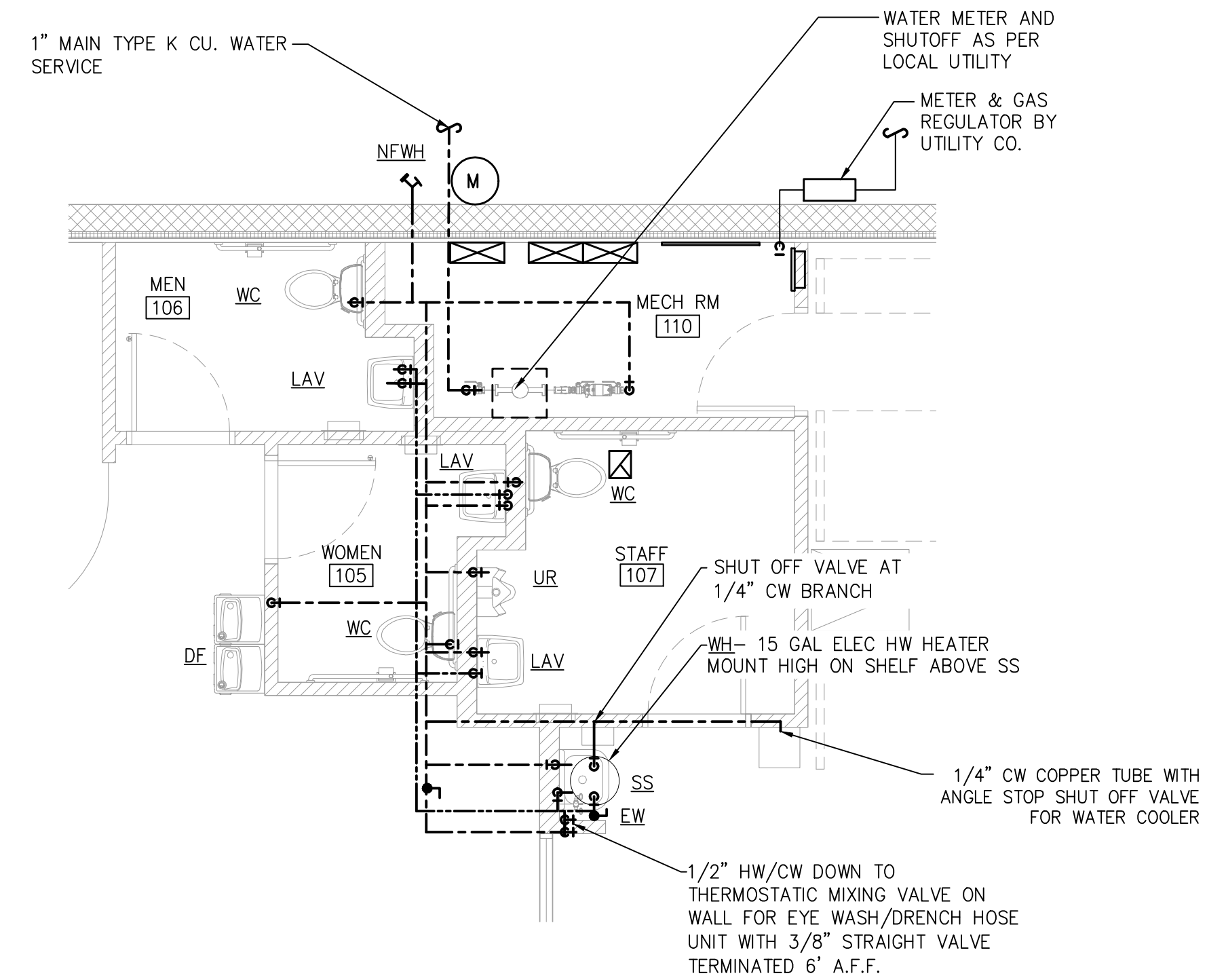
4
P-100 **DOMESTIC PLUMBING RISER**
SCALE: NTS



2
P-100 **BATHROOM SANITARY PLUMBING PLAN**
SCALE: 1/4" = 1'-0"



1
P-100 **FIRST FLOOR PLAN**
SCALE: 1/8" = 1'-0"

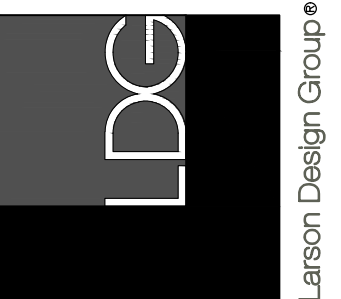


5
P-100 **BATHROOM DOMESTIC PIPING PLAN**
SCALE: 1/4" = 1'-0"

MAR 11 2019

8-BAY SINGLE SIDED
(LEFT SIDE)

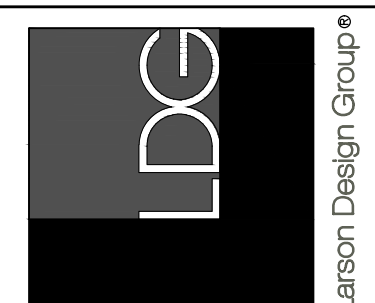
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PLUMBING PLAN
MAVIS DISCOUNT TIRE #X - CITY, STATE

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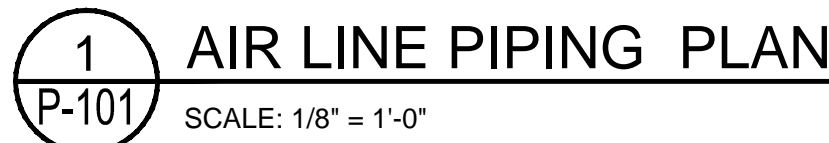
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AIR LINE PIPING PLAN

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| MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 PHONE (914) 984-2500 | Larson Design Group • Architects Engineers Surveyors 1000 Commerce Park Drive • Suite 201 Williamstown, PA 17701 PHONE 570.323.6603 TOLL FREE 877.323.6603 FAX 570.323.9902 • www.larsondesigngroup.com |
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P-101
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3. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT AREAS TO BE DEMOLISHED.
2. DISCONNECT AND REMOVE ALL DEVICES, FIXTURES, FIRE ALARM DEVICES, DATA/TEL. OUTLETS, POWER CONNECTIONS TO HVAC EQUIPMENT AND DISCONNECT SWITCHES, CONDUIT & WIRING FROM ALL WALLS/CeilINGS BEING REMOVED, WITHIN THIS AREA BACK TO POWER PANEL OF ORIGIN. ALL EXISTING CIRCUIT BREAKERS SHALL REMAIN IN PLACE AND LABELED AS "SPARE".
3. ALL EXISTING DEVICES SCHEDULED TO REMAIN SHALL BE EXTENDED/RE-CIRCUITED TO MAINTAIN CONTINUITY OF CIRCUIT/DEVICES.
4. REMOVALS SHALL INCLUDE, BUT NOT BE LIMITED TO DEVICES, FIXTURES, FIRE ALARM DEVICES, DATA/TEL. OUTLETS, POWER CONNECTIONS TO HVAC EQUIPMENT AND DISCONNECT SWITCHES, CONDUIT & WIRING.
5. ELECTRICAL CONTRACTOR TO PROVIDE ALL NECESSARY TEMPORARY WORK AND/OR MATERIALS TO RENDER EXISTING SYSTEM OPERATIONAL DURING ALL PHASES OF CONSTRUCTION IN ALL OCCUPIED SPACES, INCLUDING BUT NOT LIMITED TO, POWER, DATA, LIGHTING, EMERGENCY COMPONENTS & ALARMS. COORDINATE WITH ALL TRADES, OWNER AND OVERALL CONSTRUCTION PHASING SCHEDULE.
6. ALL CUTTING AND PATCHING NECESSARY FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
7. IT SHALL BE THE OWNER'S RESPONSIBILITY TO REMOVE ANY LOOSE EQUIPMENT, FURNITURE, SUPPLIES, ETC. THAT MAY BE LOCATED IN THE AREA OF WORK.
8. THE PLANS ARE INTENDED TO CONVEY THE EXTENT AND SCOPE OF THE DEMOLITION WORK. EVERY ITEM INTENDED FOR REMOVAL MAY NOT BE SHOWN. THE CONTRACTOR IS ADVISED TO SURVEY THE PROJECT SITE BEFORE SUBMITTING A BID FOR DEMOLITION WORK.

1. ALL CONDUITS ARE SHOWN GRAPHICALLY, EXACT RUNS SHALL BE DETERMINED IN FIELD EXCEPT WHERE OTHERWISE SHOWN. DIMENSIONED ON CONDUIT LAYOUTS. CONTRACTOR SHALL FOLLOW MINIMUM SPACING REQUIREMENTS TO REDUCE ELECTROMAGNETIC INTERFERENCE. COORDINATE CONDUIT ROUTING WITH ALL OTHER TRADES.
2. ALL EXPOSED CONDUIT SHALL BE RUN PARALLEL TO BUILDING WALLS AND BEAMS EXCEPT WHERE OTHERWISE SHOWN. CONTRACTOR SHALL INSTALL CONDUIT IN SUCH A MANNER TO AVOID ALL INTERFERENCES.
3. DEFLECTION/EXPANSION FITTINGS SHALL BE PROVIDED WHERE RIGID METAL CONDUIT CROSSES STRUCTURAL EXPANSION JOINTS.
4. EXPOSED CONDUIT SHALL BE SUPPORTED ON WALLS OR CEILINGS BY APPROVED HANGERS OF ANGLE OR CHANNEL CONSTRUCTION. CONDUITS SHALL BE SUPPORTED AT LEAST EVERY EIGHT (8) FEET.
5. ALL SPARE CONDUITS SHALL BE TERMINATED AS SHOWN ON CONDUIT LAYOUTS AND SHALL BE CAPPED 3" ABOVE FINISHED FLOOR.
6. NO CONDUIT SHALL BE SMALLER THAN 3/4", UNLESS NOTED OTHERWISE ON PLANS.
7. EXACT CONDUIT STUB-UP LOCATIONS ARE TO BE DETERMINED BY THE ELECTRICAL CONTRACTOR BASED ON CERTIFIED MANUFACTURER'S DRAWINGS OF THE RESPECTIVE EQUIPMENT. CONDUIT SHALL BE INSTALLED TO AGREE WITH EQUIPMENT FURNISHED.
8. THE NUMBER OF WIRES SHOWN ON THE DRAWINGS IS NOT NECESSARILY THE CORRECT NUMBER REQUIRED. THE CONTRACTOR SHALL INSTALL AS MANY AS ARE NECESSARY FOR PROVIDING A COMPLETE ELECTRICAL SYSTEM IN EACH CASE.
9. CONDUITS PASSING THROUGH BUILDING FLOORS OR WALLS BELOW GRADE ARE TO BE INSTALLED WITH WATERTIGHT THRU WALL CONDUIT SEAL FITTINGS.
10. ONLY CONDUITS HAVING OUTSIDE DIAMETERS NO LARGER THAN ONE-THIRD OF THE THICKNESS OF SLAB MAY BE INSTALLED WITHIN THE CONCRETE SLABS.
11. CONDUITS IN STRUCTURAL SLABS ARE TO BE SPACED SO AS TO PROVIDE NO LESS THAN THREE CONDUIT DIAMETERS, CENTER TO CENTER, WHEREVER POSSIBLE. LARGER SPACING IS PREFERRED.
12. CONTINUOUS ROWS OF CONDUITS ARE NOT TO BE PLACED IMMEDIATELY ALONG BEARING ENDS OF SLABS.
13. THE ELECTRICAL CONTRACTOR SHALL NOT ENDANGER THE STABILITY OF THE STRUCTURE OR ANY PART THEREOF BY CUTTING, DRILLING OR OTHERWISE, AND SHALL NOT IN ANY WAY CUT OR ALTER THE WORK OF ANY OTHER CONTRACTOR, EXCEPT WITH THE WRITTEN CONSENT OF AND UNDER THE DIRECTION OF THE ARCHITECT AND/OR GENERAL CONTRACTOR.
14. THE ELECTRICAL CONTRACTOR SHALL SECURE ALL APPROVALS AND CERTIFICATES AND PAY ALL FEES FOR ALL THE WORK INSTALLED. CERTIFICATES SHALL BE DELIVERED TO THE GENERAL CONTRACTOR BEFORE FINAL PAYMENT WILL BE MADE.
15. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST APPLICABLE VERSION OF THE NEC AS WELL AS ALL STATE AND LOCAL CODES.
16. THE DRAWINGS INDICATE THE GENERAL ARRANGEMENTS AND LOCATION OF OUTLET BOXES, ETC. THE CONTRACTOR SHALL, WITHOUT EXTRA COST TO THE OWNER, MAKE ALL REASONABLE MODIFICATIONS IN THE WORK AS MAY BE REQUIRED TO PREVENT CONFLICT WITH EXISTING CONDITIONS, THE WORK OF OTHER TRADES AND FOR THE PROPER INSTALLATION OF THE WORK.
17. PRIOR TO SUBMISSION OF BID PROPOSAL, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE CAREFULLY THE EXISTING CONDITIONS AND THE DIFFICULTIES THAT WILL BE INCURRED DURING THE PERFORMANCE OF HIS WORK.
 - A. VERIFY & COORDINATE CONDUIT ROUTING.
 - B. VERIFY & COORDINATE SCOPE OF DEMOLITION WORK.
 - C. VERIFY & COORDINATE SCOPE OF WORK INVOLVING CONNECTIONS TO EXISTING BASE BUILDING SYSTEMS.
 - D. VERIFY SCOPE OF WORK THAT HAS TO BE DONE WITH EXISTING FIRE ALARM SYSTEM AS REQUIRED TO ACCOMMODATE ALL ADDED DEVICES.
19. ARRANGE FOR SITE VISIT WITH THE BLDG. OWNER REPRESENTATIVE.
20. CLAIMS FOR ADDITIONAL COMPENSATION ARISING DUE TO THE FAILURE OF THE CONTRACTOR TO FULLY UNDERSTAND THE SITE CONDITIONS SHALL NOT BE PAID FOR BY ANY OTHER PARTY.
21. CONNECTIONS TO EXISTING WORK:
 - A. INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES.
 - B. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND ACCEPTABLE MANNER. RESTORE EXISTING DISTURBED WORK TO ORIGINAL CONDITION, INCLUDING MAINTENANCE OF WIRING CONTINUITY AS REQUIRED.
 - C. PRIOR TO DEMOLITION OF AN EXISTING POWER PANEL, THE CONTRACTOR SHALL SEARCH OUT ALL EXISTING CIRCUITS FED FROM THE PANEL TO PREVENT ANY ACCIDENTAL SERVICE INTERRUPTIONS.
22. LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS. CONDUIT OVER 10 FEET IN WHICH WIRING IS NOT INSTALLED-FURNISH PULL STRING.
23. DO NOT PULL THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32 DEG F (0 DEG C). PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUITS AS REQUIRED BY CODE.
24. LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR DOORS. INSTALL SWITCH ON SIDE OPPOSITE HINGE; VERIFY FINAL DOOR HINGE LOCATION IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION.
25. VERIFY LOCATIONS OF OUTLETS AND EQUIPMENT IN FINISHED ROOMS WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILING AND THE LIKE, AND CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.
26. JUNCTION & PULL BOXES: DO NOT LOCATE EXPOSED IN FINISH SPACES UNLESS REQUIRED BY NEC. WHERE NECESSARY, REROUTE CONDUIT OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT. PROVIDE PULL BOXES AS INDICATED AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE AND COORDINATE LOCATIONS WITH OTHER TRADES. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE. FOR EMPTY CONDUITS, INSTALL PULL BOXES EVERY 100 FEET AND AS INDICATED. COORDINATE LOCATIONS WITH OTHER TRADES.
27. SUPPORT PANEL, JUNCTION & PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON CONDUIT.
28. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.
29. FOR RECEPTACLE & OUTLETS MOUNTING HEIGHTS AND POSITION (HORIZONTAL, VERTICAL), COORDINATE WITH ARCHITECT, OWNER AND REPRESENTATIVE.
30. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON DETAILS SHEETS, PLANS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE WORKABLE SYSTEM.
31. USE OF ISOLATED TYPE GROUNDING CONDUCTOR FOR IG TYPE RECEPTACLES, PLUG MOLDS & EQUIPMENT DOES NOT RELIEVE REQUIREMENT FOR GROUNDING CONDUIT SYSTEM, DEVICES AND EQUIPMENT AS REQUIRED BY ALL APPLICABLE CODES. PROVIDE AND INSTALL GROUNDING FITTING, EQUIPMENT GROUND WIRING ETC. AS REQUIRED.
32. ALL CONDUITS, TRANSFORMERS ETC. SHALL BE SUPPORTED FROM STRUCTURAL STEEL ONLY.
33. PROVIDE BARRIERS IN ALL PULL BOXES FOR CONDUIT SETS.

| LIGHTING FIXTURE SCHEDULE | | | | | |
|---------------------------|--|-----------------|--|---|--|
| TYPEDESCRIPTION | | TYPEDESCRIPTION | | TYPEDESCRIPTION | |
| 'A' | MOBERN RDISE PLED – RECESSED 2' x 4' LED CENTER BASKET FIXTURE. LAMPS: MANUFAC.: CAT. NO.: LED (4,645 LUMENS) MOBERN RDISE–24–P–LED–37–FR–DMV–40 | 'C1' | METALUX SNLED LENSED PENDANT MOUNTED LED 48" LONG WITH WIRE GUARD, WHITE FINISH. LAMPS: MANUFAC.: CAT. NO.: LED (3,431 LUMENS) EATON 4SNLED–LD4–34SL–LC–UNV–L840–CD1–U | ⊗ 'X' | EXIT SIGN – 6" RED LETTERS, LED LAMP,THERMOPLASTIC HOUSING, EMERGENCY BATTERY SUPPLY, EMERGENCY LAMPHEADS, WHITE FINISH ARROWS AS INDICATED ON PLANS LAMPS: MANUFAC.: CAT. NO.: LED HUBBELL–COMPASS LIGHTING C0RRC |
| 'AE' | MOBERN RDISE PLED – RECESSED 2' x 4' LED CENTER BASKET FIXTURE. EMERGENCY BATTERY SUPPLY LAMPS: MANUFAC.: CAT. NO.: LED (4,645 LUMENS) MOBERN RDISE–24–P–LED–37–FR–DMV–40–EM | 'E' | 48" LONG LED HIGHBAY FIXTURE PENDANT MOUNTED WITH EMERGENCY, WHITE FINISH. LAMPS: MANUFAC.: CAT. NO.: LED (14,000 LUMENS) EATON 4ILED–14–W–WG–UNV–L840–EL14W–CD2–U | ⎓ 'EB' | EMERGENCY LIGHTING BATTERY PACK WITH ADJUSTABLE EMERGENCY LAMPHEADS, THERMOPLASTIC HOUSING LAMPS: MANUFAC.: CAT. NO.: LED HUBBELL–COMPASS LIGHTING C02RC |
| 'A1' | MOBERN RDISE PLED – RECESSED 2' x 4' LED CENTER BASKET FIXTURE. IC RATED FOR DIRECT CONTACT WITH INSULATION LAMPS: MANUFAC.: CAT. NO.: LED (4,645 LUMENS) MOBERN RDISE–24–P–LED–37–FR–DMV–40 | 'E1' | 48" LONG LED HIGHBAY FIXTURE PENDANT MOUNTED WHITE FINISH. LAMPS: MANUFAC.: CAT. NO.: LED (14,000 LUMENS) EATON 4ILED–14–W–WG–UNV–L840–CD2–U | ▽ 'ER' | REMOTE EMERGENCY LAMPHEAD CONNECT TO EMERGENCY LIGHTING BATTERY PACK w/ 2#12 LAMPS: MANUFAC.: CAT. NO.: LED HUBBELL–COMPASS LIGHTING C0RS |
| 'A2' | MOBERN RDISE PLED – RECESSED 2' x 4' LED CENTER BASKET FIXTURE. WITH DRYWALL FRAME KIT LAMPS: MANUFAC.: CAT. NO.: LED (4,645 LUMENS) MOBERN RDISE–24–P–LED–37–FR–DMV–40–M566A | 'H' | 16" DIAMETER PENDANT MOUNTED 1 LAMP INCANDESCENT FIXTURE (NO SUBSTITUTION THIS FIXTURE) LAMPS: MANUFAC.: CAT. NO.: 1 – M 60W MAX 120V 800 LUMENS MED (E26) TROY RLM LIGHTING 2 RS16 M TTL WC | EXTERIOR LIGHTING FIXTURE SCHEDULE NOTE: COORDINATE WITH SHEET A–200 FOR EXTERIOR LIGHTING FIXTURE LOCATIONS AND ELEVATIONS | |
| 'B' | SURFACE MOUNTED LED 24" LONG WITH EMERGENCY. LAMPS: MANUFAC.: CAT. NO.: LED (2,800 LUMENS) MOBERN LIGHTING 4224–P–LED–22–DMV–FR–40–EM–A69 | 'DS' | DAYLIGHT SENSOR. (NO SUBSTITUTION THIS FIXTURE) MANUFAC.: CAT. NO.: ACUITY CONTROLS SENSOR SWITCH– CMR–ADC | □ 'SLA' | WALL MOUNTED EXTERIOR FULL STANDOFF WALL PACK, GLASS DIFFUSER LAMPS: MANUFAC.: CAT. NO.: COLOR: LED RAB LIGHTING, SLIM SERIES SLIM FC–37YW (NO SUBSTITUTION THIS FIXTURE) WHITE |
| 'B1' | SURFACE MOUNTED LED 24" LONG LAMPS: MANUFAC.: CAT. NO.: LED (2,800 LUMENS) MOBERN LIGHTING 4224–P–LED–22–DMV–FR–40–A69 | 'OS1' | OCCUPANCY SENSOR. (NO SUBSTITUTION THIS FIXTURE) MANUFAC.: CAT. NO.: ETLIN–DANIELS SENPIR–HB–01 | ⎓ 'EL' | EXTERIOR EMERGENCY FIXTURE: MOUNT EMERGENCY FIXTURE ABOVE DOOR APPROXIMATELY ±12"–6". POWER FROM EXIT SIGN 'X'. LAMPS: MANUFAC.: CAT. NO.: LED HUBBELL–COMPASS LIGHTING CORD |
| 'C' | METALUX SNLED LENSED PENDANT MOUNTED LED 48" LONG WITH WIRE GUARD AND EMERGENCY, WHITE FINISH. LAMPS: MANUFAC.: CAT. NO.: LED (3,431 LUMENS) EATON 4SNLED–LD4–34SL–LC–UNV–EL14W–L840–CD1–U | 'OS2' | OCCUPANCY SENSOR. (NO SUBSTITUTION THIS FIXTURE) MANUFAC.: CAT. NO.: ETLIN–DANIELS SENPIR–CM–01 | NOTE: MAVIS DISCOUNT TIRE HAS A NATIONAL ELECTRICAL AGREEMENT WITH CONSOLIDATED ELECTRICAL DISTRIBUTORS, INC. (CED). THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING THE LED LIGHTING EQUIPMENT. QUESTIONS CONCERNING QUOTES, PRICING, AND TECHNICAL SPECIFICATIONS SHALL BE DIRECTED TO JEREMY WEST, CED NATIONAL ACCOUNTS, VIA EMAIL jeremy.wiest@ced.com OR BY PHONE (817) 923–1983. | |

34. PAINT AND RUST PROOF ALL HARDWARE & CONDUITS ON ROOF AND IN EXPOSED AREAS.
35. NUMBER SHOWN ADJACENT TO LIGHTING FIXTURES, RECEPTACLES, OUTLETS, JUNCTION BOXES ETC. INDICATES CIRCUIT NUMBER. SEE PANEL SCHEDULE ON E-102.
36. ALL GROUND CONNECTIONS TO THE BUILDING STEEL SHALL BE EXOTHERMIC WELDED.
37. FLEXIBLE CONNECTIONS IN EXPOSED AREAS SHALL NOT EXCEED 18" MAXIMUM.
38. ALL EQUIPMENT DEVICES, WIRING, ETC. SHOWN ON THE DRAWINGS IS NEW UNLESS OTHERWISE NOTED.
39. ELECTRICAL CONTRACTOR SHALL PROVIDE SLEEVES/ OPENINGS FOR ALL CONDUIT RISERS PENETRATING WALLS, ROOF & FLOOR SLABS. ALL ROOF AND MECH. ROOMS SLAB PENETRATIONS SHALL BE WATERPROOF.
40. ELECTRICAL CONTRACTOR SHALL BECOME FAMILIAR AND COMPLY WITH OWNERS BUILDING STANDARDS FOR CONSTRUCTION.
41. ALL FINAL CONNECTIONS TO VIBRATING EQUIPMENT (MOTORS, GENERATORS ETC.) SHALL BE THROUGH A LIQUID TIGHT FLEXIBLE METAL CONDUIT.
42. LOCATION OF ALL SLAB PENETRATIONS FOR SLEEVES & CONDUITS SHALL BE REVIEWED & APPROVED BY ARCHITECT.
43. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.
44. THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE REFERENCED EQUIPMENT OR SYSTEMS IN THEIR ENTIRETY AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
45. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
46. IT IS THE INTENTION THAT THESE SPECIFICATIONS, AND DRAWINGS ACCOMPANYING SAME, SHALL PROVIDE FOR THE FURNISHING AND INSTALLING OF THE ELECTRICAL SYSTEMS COMPLETE AS SPECIFIED AND SHOWN. ANY WORK SHOWN ON THE DRAWINGS AND NOT PARTICULARLY DESCRIBED IN THE SPECIFICATIONS OR VICE VERSA, OR ANY WORK CHANGES WHICH MAY BE EVIDENTLY NECESSARY TO COMPLETE THE INSTALLATION SHALL BE FURNISHED BY THIS CONTRACTOR.
47. IT IS THE INTENT AND PURPOSE OF THESE SPECIFICATIONS AND DRAWINGS TO INCLUDE AND PROVIDE FOR ALL MATERIALS, APPLIANCES AND LABOR TO PROPERLY COMPLETE AND LEAVE IN PERFECT WORKING CONDITION THE ENTIRE SYSTEM HEREINAFTER SPECIFIED. ANY MATERIAL, LABOR OR APPLIANCE NOT SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE DRAWINGS, BUT NECESSARY FOR A COMPLETE INSTALLATION MUST BE FURNISHED BY THIS CONTRACTOR.
48. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE ALTERATIONS AND/OR NEW CONSTRUCTION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW SYSTEMS IN EVERY RESPECT, CAPABLE OF OPERATING AS DESIGNED. IT IS NOT INTENDED THAT EVERY FITTING, MINOR DETAIL OR FEATURE BE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.

| ABBREVIATIONS | |
|---------------|--------------------------|
| AFB | ABOVE FINISHED FLOOR |
| EC | ELECTRICAL CONTRACTOR |
| EF | EXHAUST FAN |
| EH | ELECTRIC HEATER |
| EM | EMERGENCY |
| EWC | ELECTRIC WATER COOLER |
| GFI | GROUND FAULT INTERRUPTER |
| TC | TIME CLOCK |
| WP | WEATHERPROOF |
| UH | UNIT HEATER |

| TYPE | DESCRIPTION | TYPE | DESCRIPTION |
|----------------------|--|---|--|
| PS: UFAC: NO.: | METALUX SNLED LENSED PENDANT MOUNTED LED 48" LONG WITH WIRE GUARD, WHITE FINISH. LED (3,431 LUMENS) EATON 4SNLED-LD4-34SL-LC-UNV-L840-CD1-U |  'X' | EXIT SIGN - 6" RED LETTERS, LED LAMP,THERMOPLASTIC HOUSING, EMERGENCY BATTERY SUPPLY, EMERGENCY LAMPHEADS, WHITE FINISH ARROWS AS INDICATED ON PLANS |
| PS: UFAC: NO.: | 48" LONG LED HIGHBAY FIXTURE PENDANT MOUNTED WITH EMERGENCY, WHITE FINISH. LED (14,000 LUMENS) EATON 4ILED-14-W-WG-UNV-L840-EL14W-CD2-U | LAMPS: MANUFAC.: CAT. NO.: | LED HUBBELL-COMPASS LIGHTING CCRRC |
| PS: UFAC: NO.: | 48" LONG LED HIGHBAY FIXTURE PENDANT MOUNTED WHITE FINISH. LED (14,000 LUMENS) EATON 4ILED-14-W-WG-UNV-L840-CD2-U |  'EB' | EMERGENCY LIGHTING BATTERY PACK WITH ADJUSTABLE EMERGENCY LAMPHEADS, THERMOPLASTIC HOUSING |
| PS: UFAC: NO.: | 48" LONG LED HIGHBAY FIXTURE PENDANT MOUNTED WHITE FINISH. LED (14,000 LUMENS) EATON 4ILED-14-W-WG-UNV-L840-CD2-U | LAMPS: MANUFAC.: CAT. NO.: | LED HUBBELL-COMPASS LIGHTING CU2RC |
| PS: UFAC: NO.: | 16" DIAMETER PENDANT MOUNTED 1 LAMP INCANDESCENT FIXTURE (NO SUBSTITUTION THIS FIXTURE) |  'ER' | REMOTE EMERGENCY LAMPHEAD CONNECT TO EMERGENCY LIGHTING BATTERY PACK w/ 2#12 |
| PS: UFAC: NO.: | 1 - M 60W MAX 120V 800 LUMENS MED (E26) TROY RLM LIGHTING 2 RS16 M TTL WC | LAMPS: MANUFAC.: CAT. NO.: | LED HUBBELL-COMPASS LIGHTING CIRS |
| PS: UFAC: NO.: | DAYLIGHT SENSOR. (NO SUBSTITUTION THIS FIXTURE) | <h3 style="text-align: center;">EXTERIOR LIGHTING FIXTURE SCHEDULE</h3> <p style="text-align: center;">NOTE: COORDINATE WITH SHEET A-200 FOR EXTERIOR LIGHTING FIXTURE LOCATIONS AND ELEVATIONS</p> | |
| UFAC: NO.: | ACUITY CONTROLS SENSOR SWITCH- CMR-ADC | | |
| ' | OCCUPANCY SENSOR. (NO SUBSTITUTION THIS FIXTURE) |  'SLA' | WALL MOUNTED EXTERIOR FULL STANDOFF WALL PACK, GLASS DIFFUSER |
| UFAC: NO.: | ETLIN-DANIELS SENPIR-HB-01 | LAMPS: MANUFAC.: CAT. NO.: | LED RAB LIGHTING, SLIM SERIES SLIM FC-37YW (NO SUBSTITUTION THIS FIXTURE) |
| ' | OCCUPANCY SENSOR. (NO SUBSTITUTION THIS FIXTURE) | COLOR: | WHITE |
| UFAC: NO.: | ETLIN-DANIELS SENPIR-HB-01 |  'EL' | EXTERIOR EMERGENCY FIXTURE: MOUNT EMERGENCY FIXTURE ABOVE DOOR APPROXIMATELY ±12'-6". POWER FROM EXIT SIGN 'X'. |
| UFAC: NO.: | ETLIN-DANIELS SENPIR-CM-01 | LAMPS: MANUFAC.: CAT. NO.: | LED HUBBELL-COMPASS LIGHTING CORD |
| | | <p>NOTE: MAVIS DISCOUNT TIRE HAS A NATIONAL ELECTRICAL AGREEMENT WITH CONSOLIDATED ELECTRICAL DISTRIBUTORS, INC. (CED). THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING THE LED LIGHTING EQUIPMENT. QUESTIONS CONCERNING QUOTES, PRICING, AND TECHNICAL SPECIFICATIONS SHALL BE DIRECTED TO JEREMY WEST, CED NATIONAL ACCOUNTS, VIA EMAIL jeremy.wiest@ced.com OR BY PHONE (817) 923-1983.</p> | |

| | |
|---|--|
|  | HOMERUN TO PANELBOARD |
|  | LOW VOLTAGE, OR CONTROL WIRING |
|  | UNDERGROUND ELECTRICAL SERVICE, PRIMARY OR SECONDARY |
|  | OVERHEAD ELECTRICAL SERVICE, PRIMARY OR SECONDARY |
|  | OVERHEAD TELEPHONE |
|  | SURFACE CEILING FIXTURE |
|  | RECESSED CEILING FIXTURE |
|  | SURFACE CEILING MOUNTED 1' x 4' LIGHT FIXTURE |
|  | SURFACE CEILING MOUNTED 2' x 2' LIGHT FIXTURE |
|  | SURFACE CEILING MOUNTED 2' x 4' LIGHT FIXTURE |
|  | RECESSED CEILING MOUNTED 1' x 4' LIGHT FIXTURE |
|  | RECESSED CEILING MOUNTED 2' x 2' LIGHT FIXTURE |
|  | RECESSED CEILING MOUNTED 2' x 4' LIGHT FIXTURE |
|  | LIGHT FIXTURE PROVIDING EMERGENCY ILLUMINATION |
|  | WALL MOUNTED FIXTURE |
|  | EXIT SIGN, CEILING MOUNTED. ARROW INDICATES CHEVRON KNOCKOUT DIRECTION |
|  | EXIT SIGN, WALL MOUNTED. ARROW INDICATES CHEVRON KNOCKOUT DIRECTION |
|  | DUPLEX RECEPTACLE 20A, 125V, GROUNDING TYPE |
|  | QUADRAPLEX RECEPTACLE 20A, 125V, GROUNDING TYPE |
|  | SPECIAL PURPOSE RECEPTACLE |
|  | INDICATES GROUND FAULT CIRCUIT INTERRUPTER PROTECTED |
|  | JUNCTION BOX |
|  | PANELBOARD |
|  | LIGHTING OR ALARM CONTROL PANEL |
|  | SINGLE POLE SWITCH, 120V 20A COMMERCIAL GRADE |
|  | DOUBLE POLE SWITCH, 120V 20A COMMERCIAL GRADE |
|  | THREE WAY SWITCH, 120V 20A COMMERCIAL GRADE |
|  | FOUR WAY SWITCH, 120V 20A COMMERCIAL GRADE |
|  | A.C. MOTOR STARTING SWITCH (MMS) |
|  | DISCONNECT SWITCH |
|  | MOTOR |
|  | AUDIBLE / VISUAL FIRE ALARM NOTIFICATION DEVICE |
|  | VISUAL FIRE ALARM NOTIFICATION DEVICE |
|  | FIRE ALARM MANUAL PULL STATION |
|  | FIRE ALARM MASTER CONTROL PANEL |
|  | SMOKE DETECTOR, LINE VOLTAGE W/BATTERY BACKUP, CEILING MOUNTED |
|  | CARBON MONOXIDE DETECTOR |
|  | HEAT DETECTOR, LINE VOLTAGE W/BATTERY BACKUP, CEILING MOUNTED |
|  | TELEPHONE JACK |
|  | DATA OUTLET |
|  | TELEPHONE / DATA OUTLET |
|  | TELEVISION |
| | OCCUPANCY SENSOR, CEILING MOUNTED |
| | EMERGENCY BATTERY UNIT WITH DUAL LIGHTING HEADS |
| | EMERGENCY BATTERY UNIT DUAL REMOTE LIGHTING HEADS |
| | PHOTOCELL |
| | INDUSTRIAL OSCILLATING FAN MODEL NO. H-1457 30" BY ULINE. |
| | ROHS USB CHARGER W/ TAMPER-RESISTANT 20A DUPLEX RECEPTACLES |

8-BAY SINGLE SIDED

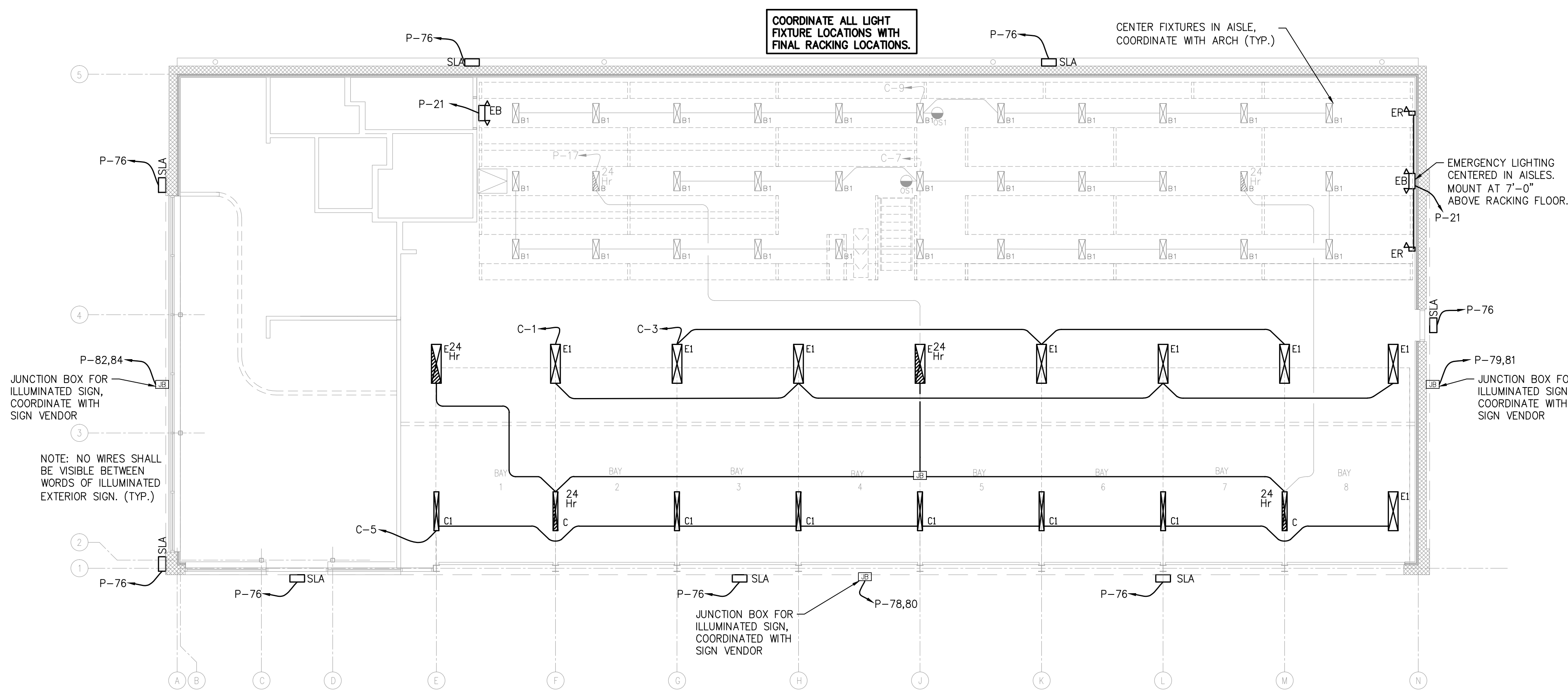
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MAVIS DISCOUNT TIRE #X - CITY, STATE

MAVVIS TIRE SUPPLY, LLC
358 SAW MILL RIVER ROAD
MILLWOOD, NY 10546
PHONE (914) 984-2500

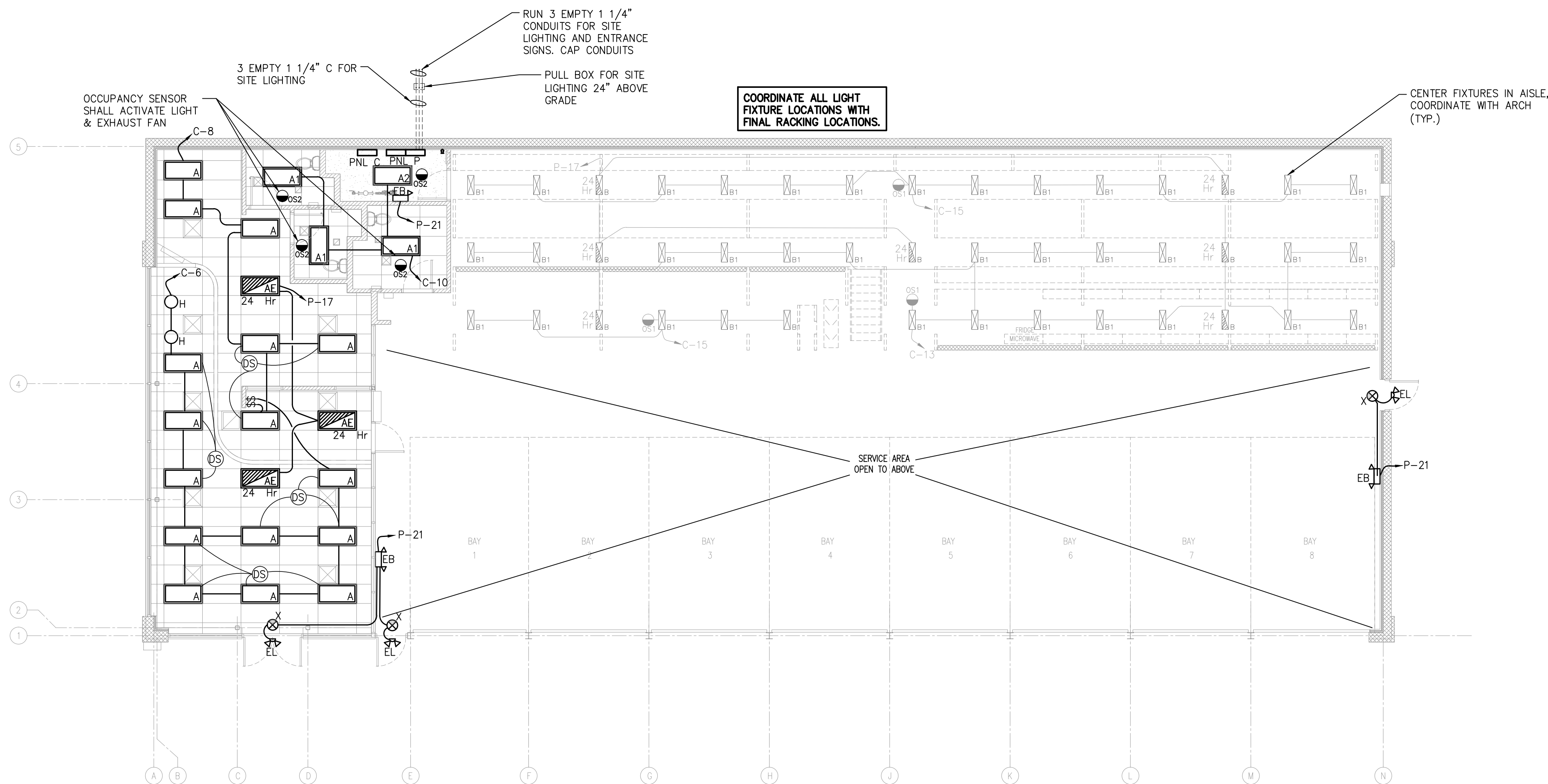
SHEET NO.: 22

PROJECT NO.: XXXX-XXX



2 UPPER LEVEL LIGHTING PLAN
E-101 SCALE: 1/8" = 1'-0"

FINAL LOCATION OF ALL LIGHTING TO BE DETERMINED ON FINAL DESIGN OF RACKING SYSTEM. QUANTITY & LAYOUT



1 LOWER LEVEL LIGHTING PLAN
E-101 SCALE: 1/8" = 1'-0"

COORDINATE ALL LIGHT FIXTURE LOCATIONS WITH FINAL RACKING LOCATIONS.

LEGEND

- A/A1 2 X 4 LAY-IN LED LIGHT
- A2 2 X 4 LAY-IN LED LIGHT W/ DRYWALL FRAME KIT
- AE 2 X 4 LAY-IN LED LIGHT EMERGENCY FIXTURE
- B 4" X 24" LED SURFACE MOUNTED LIGHT- EMERGENCY FIXTURE
- B1 4" X 24" LED SURFACE MOUNTED LIGHT
- C (1) 1 X 4 NARROW LED INDUSTRIAL LIGHT - EMERGENCY FIXTURE PENDANT MOUNTED @ 9'-0" A.F.F.
- C1 (1) 1 X 4 NARROW LED INDUSTRIAL LIGHT - PENDANT MOUNTED @ 9'-0" A.F.F.
- E 4 LITE LED LIGHT- EMERGENCY FIXTURE PENDANT MOUNTED @ 14'-0" A.F.F.
- E1 4 LITE LED LIGHT- PENDANT MOUNTED @ 14'-0" A.F.F.
- SLA EXTERIOR FLOODLIGHT
- EB EMERGENCY LIGHT
- EL REMOTE EXTERIOR EMERGENCY LIGHT
- EX COMBO EXIT/ EMERGENCY LIGHT
- ER REMOTE EMERGENCY HEAD
- H PENDANT HUNG LIGHT- BOTTOM OF FIXTURE TO BE MOUNTED AT 7'-0" A.F.F.
- DS DAY LIGHT SENSOR
- CEILING HEIGHT
- SUPPLY AIR GRILLE
- RETURN AIR GRILLE
- OS# OCCUPANCY SENSOR

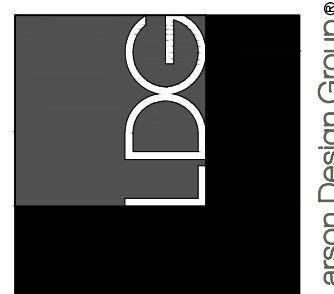
REFLECTED GENERAL CEILING NOTES:

- RE: SHEET E-001 FOR LIGHTING FIXTURE SCHEDULE
- EXTERIOR FIXTURES TO BE CENTERED ON COLUMNS, PIERS AND OVER DOOR @ LOCATIONS INDICATED ON ELEVATIONS.
- UPPER LEVEL 'B' AND 'B1' FIXTURES TO BE MOUNTED TIGHT TO UNDERSIDE OF JOISTS, U.O.N.
- G.C. TO PROVIDE UNI-STRUT FASTENED TO TIRE RACK POSTS TO MOUNT LIGHT LOWER LEVEL 'B' AND 'B1' LIGHT FIXTURES. OCCUPANCY SENSORS TO BE MOUNTED TO THE UNDERSIDE OF THE RACKING SYSTEM.
- BOTTOM GWB SOFFIT AT SHOW ROOM AND WAITING AREA SHALL BE @ 7'-6" AFF. FRAME FROM STEEL LINTEL ABOVE.
- A.C.T. TO BE CENTERED ON ROOMS, U.O.N.
- DO NOT SUSPEND ANY LIGHTS FROM OH DOOR TRACKS.
- PROVIDE MIN. 6" THICK SOUND ATTENUATION BATTS AT CEILINGS. IN ROOMS 105, 106 & 107., SOUND ATTENUATION BATT. TO COVER LIGHT FIXTURES.
- NO EXPOSED WIRING/ CONDUIT BETWEEN EXTERIOR SIGN BOXES

MAR 11 2019

8-BAY SINGLE SIDED
(LEFT SIDE)

| NO. | DATE | ISSUED | COMMENTS | BY | CHKD |
|-----|------------|--------|----------|-----|------|
| 1 | 03/11/2019 | | | XXX | XXX |



LIGHTING PLANS
MAVIS DISCOUNT TIRE #X - CITY, STATE

Larson Design Group • Architects Engineers Surveyors
100 Commerce Park Drive • Suite 201
Williamstown, PA 17701
PHONE 570.323.6603 TOLL FREE 877.323.6603
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358 SAW MILL RIVER ROAD
MILLWOOD, NY 10546
PHONE (914) 984-2500

SHEET NO.:

E-101

PROJECT NO.:

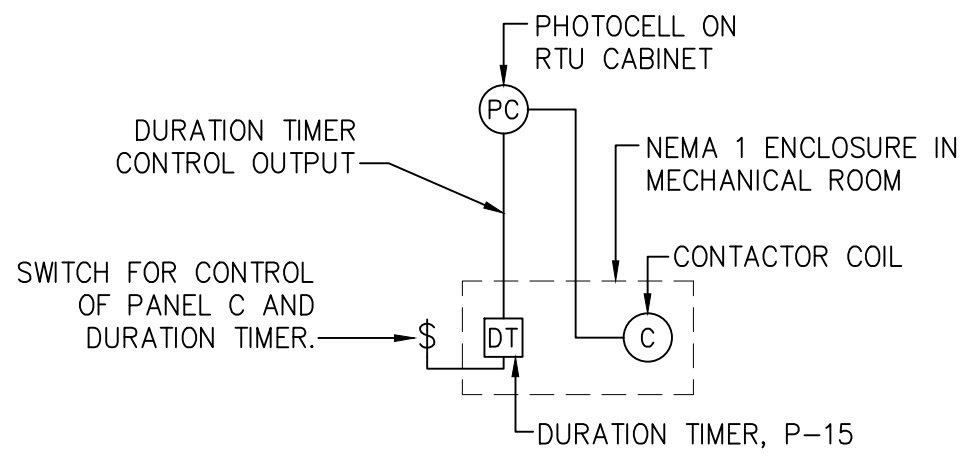
XXXX-XXX

| PANELBOARD | | | | | | | | | | P - SECTION 1 | | | | | | | | | | SCHEDULE | | | | | | | | | |
|--------------------------------------|----------------------------|--------------------|------|-----|--------------------------|-----|------|------|------|-----------------------------|------|------|-----|-----|--------------------------------------|-------------|------|---------------|--|----------|--|--|----|-------|--|-----|--|--|--|
| VOLTAGE: 208Y/120V BUS SIZE: 200A | | | | | PHASE: 3 BUS MATL: CU | | | | | WIRE: 4 FAULT DUTY: 22KA | | | | | MAINS: 200A MCB MOUNTING: SURFACE | | | | | REMARKS: | | | | | | | | | |
| No. | SERVES | LOAD IN KVA | | | | | | BRKR | | TRIP | | MISC | | HTG | | LOAD IN KVA | | | | SERVES | | | | | | No. | | | |
| | | LTG | RCPT | MTR | A/C | HTG | MISC | P | TRIP | P | TRIP | MISC | HTG | A/C | MTR | RCPT | LTG | | | | | | | | | | | | |
| 1 | RTU-1 | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| 3 | | | | | 9.6 | | | | 40 | 3 | | | | | | | | 2.4 | | | | | 4 | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | |
| 7 | DRINKING FOUNTAIN | | 0.5 | | | | | 20 | 1 | | | | | | | | | | | | | | 8 | | | | | | |
| 9 | IT RACK | | | | | | 0.1 | 20 | 1 | | | | | | | | | 2.4 | | | | | 10 | | | | | | |
| 11 | MECH RM ELEC HEATER EH | | | | | 0.8 | | 20 | 1 | | | | | | | | | | | | | | 12 | | | | | | |
| 13 | WATER COOLER | | 0.5 | | | | | 20 | 1 | | | | | 1 | 20 | | | | | 0.2 | | | 14 | | | | | | |
| 15 | DURATION TIMERS POWER | | | | | | 0.1 | 20 | 1 | | | | | 1 | 20 | | | | | 0.2 | | | 16 | | | | | | |
| 17 | 24 HOUR SECURITY LIGHTING | 1.0 | | | | | | 20 | 1 | | | | | 1 | 20 | | | | | 1.8 | | | 18 | | | | | | |
| 19 | USED OIL PUMP | | | 1.0 | | | | 20 | 1 | | | | | 1 | 20 | | | | | 0.4 | | | 20 | | | | | | |
| 21 | EXIT & EMERG BATTERY UNITS | 0.5 | | | | | | 20 | 1 | | | | | 1 | 20 | | | | | 0.9 | | | 22 | | | | | | |
| 23 | 120V RECEPITS BAYS 1,2 | | 0.8 | | | | | 20 | 1 | | | | | 1 | 20 | | | | | 0.2 | | | 24 | | | | | | |
| 25 | 120V RECEPITS BAYS 3,4 | | 0.8 | | | | | 20 | 1 | | | | | 1 | 20 | | | | | 0.4 | | | 26 | | | | | | |
| 27 | SPARE | | | | | | | 20 | 1 | | | | | 1 | 20 | | | | | 0.2 | | | 28 | | | | | | |
| 29 | | | | | | | | | 2 | | | | | 1 | 20 | | | | | 0.8 | | | 30 | | | | | | |
| 31 | | GAS FIRED UH'S 1&2 | | | | | 1.8 | | 20 | 1 | | | | | 1 | 20 | | | | 0.8 | | | 32 | | | | | | |
| 33 | WAITING AREA RECEPTACLES | | 1.8 | | | | | 20 | 1 | | | | | 1 | 20 | | | | | 0.2 | | | 34 | | | | | | |
| 35 | WAITING AREA RECEPTACLES | | 1.8 | | | | | 20 | 1 | | | | | 1 | 20 | | | | | 0.2 | | | 36 | | | | | | |
| 37 | CONTROL FOR MOM CONTACT SW | | | | | | | 20 | 1 | | | | | 1 | 20 | | | | | 0.6 | | | 38 | | | | | | |
| 39 | SPARE | | | | | | | 20 | 1 | | | | | 1 | 20 | | | | | | | | 40 | | | | | | |
| 41 | BURGLAR ALARM | | | | | 0.1 | | 20 | 1 | | | | | 2 | 20 | | | 2.0 | | | | | 42 | | | | | | |
| SECTION 1 TOTALS: | | | | | | | | | | | | 0.5 | 4.6 | 9.6 | 5.8 | 13.1 | 1.5 | CONNECTED KVA | | | | | | 35.1 | | | | | |
| SECTION 2 TOTALS: | | | | | | | | | | | | 0.1 | 0.0 | 0.0 | 10.8 | 4.0 | 7.0 | | | | | | | | | | | | |
| PANELBOARD P TOTALS: | | | | | | | | | | | | 0.6 | 4.6 | 9.6 | 16.6 | 17.1 | 8.5 | CONNECTED KVA | | | | | | 57.0 | | | | | |
| | | | | | | | | | | | | 0.6 | 4.6 | 9.6 | 16.6 | 13.6 | 10.6 | DEMAND KVA | | | | | | 55.6 | | | | | |
| | | | | | | | | | | | | | | | | | | DEMAND AMPS | | | | | | 154.3 | | | | | |

| PANELBOARD | | | | | | | | | | C | SCHEDULE | | | | | | | | | | | | | | |
|--------------------------------------|--------------------------------|-------------|------|-----|--------------------------|-----|-----------------------------|--------------|--------------------------------------|---------|----------|-----|--------------|------|-------------|-----|------|---------------|------|------|--------|-----|-------------------------|----|----|
| VOLTAGE: 208Y/120V BUS SIZE: 150A | | | | | PHASE: 3 BUS MATL: CU | | WIRE: 4 FAULT DUTY: 22KA | | MAINS: 150A MCB MOUNTING: SURFACE | | REMARKS: | | | | | | | | | | | | | | |
| No. | SERVES | LOAD IN KVA | | | | | | BRKR TRIP | P | W | W | W | BRKR TRIP | P | LOAD IN KVA | | | | | | SERVES | No. | | | |
| | | LTG | RCPT | MTR | A/C | HTG | MISC | | | | | | | | MISC | HTG | A/C | MTR | RCPT | LTG | | | | | |
| 1 | WORK BAY LIGHTING | 1.0 | | | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | 0.8 | | | | WALL MOUNTED FANS | 2 | |
| 3 | WORK BAY LIGHTING | 1.0 | | | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | | | | | WALL MOUNTED FANS | 4 | |
| 5 | LIFT AREA LIGHTING | 1.0 | | | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | 0.8 | | | | SHOW ROOM LIGHTING | 6 | |
| 7 | UPPER LEVEL TIRE RACK LIGHTING | 1.4 | | | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | | | 0.8 | | WAITING AREA LIGHTING | 8 | |
| 9 | UPPER LEVEL TIRE RACK LIGHTING | 1.4 | | | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | | | 0.1 | | TOILET/LOCKERS LIGHTING | 10 | |
| 11 | SPARE | | | | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | | | | | SPARE | 12 | |
| 13 | LOWER LEVEL TIRE RACK LIGHTING | 0.8 | | | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | | | | | SPARE | 14 | |
| 15 | LOWER LEVEL TIRE RACK LIGHTING | 0.8 | | | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | | | | | SPARE | 16 | |
| 17 | OH DOOR BAY 7 | | | 1.2 | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | | | | | SPARE | 18 | |
| 19 | OH DOOR BAY 8 | | | 1.2 | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | | | 0.2 | | EXTERIOR RECEPT | 20 | |
| 21 | OH DOOR BAY 5 | | | 1.2 | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | 0.2 | | | | ELEC HAND DRYER | 22 | |
| 23 | OH DOOR BAY 6 | | | 1.2 | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | 0.2 | | | | ELEC HAND DRYER | 24 | |
| 25 | OH DOOR BAY 3 | | | 1.2 | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | 0.5 | | | | EXHAUST FAN EF-1 | 26 | |
| 27 | OH DOOR BAY 4 | | | 1.2 | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | 0.2 | | | | ELEC HAND DRYER | 28 | |
| 29 | OH DOOR BAY 1 | | | 1.2 | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | 0.2 | | | | ELEC HAND DRYER | 30 | |
| 31 | OH DOOR BAY 2 | | | 1.2 | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | 1.5 | | | | CONVEYOR POWER | 32 | |
| 33 | COMPRESSED AIR DRYER | | | | | | 0.5 | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | | | | | SPARE | 34 | |
| 35 | SPARE | | | | | | | 20 | 1 | ● | ● | ● | 1 | 20 | | | | | | | | | SPARE | 36 | |
| 37 | | | | | | | | | | ● | ● | ● | | | | | | | | | | | | | 38 |
| 39 | AIR COMPRESSOR | | | | 6.0 | | | 50 | 3 | ● | ● | ● | 3 | 50 | | | | 6.0 | | | | | AIR COMPRESSOR | 40 | |
| 41 | | | | | | | | | | ● | ● | ● | | | | | | | | | | | | | 42 |
| | | | | | | | | | | TOTALS: | | 0.5 | 0.0 | 12.0 | 14.0 | 0.2 | 9.1 | CONNECTED KVA | | 35.8 | | | | | |
| | | | | | | | | | | TOTALS: | | 0.5 | 0.0 | 12.0 | 14.0 | 0.2 | 11.4 | DEMAND KVA | | 38.1 | | | | | |

| PANELBOARD | | | | | | | | | | P - SECTION 2 | | | | | | | | | | SCHEDULE | | | | | | | | | |
|--------------------------------------|------------------------------|-------------|------|-----|--------------------------|-----|------|-----------------------------|---|---------------|--------------------------------------|--------------|-----|-------------|------|-----|-----|---------------|-----|----------|-------------------------------|----|--|--|--|--|--|--|--|
| VOLTAGE: 208Y/120V BUS SIZE: 200A | | | | | PHASE: 3 BUS MATL: CU | | | WIRE: 4 FAULT DUTY: 22KA | | | MAINS: 200A MLO MOUNTING: SURFACE | | | REMARKS: | | | | | | | | | | | | | | | |
| No. | SERVES | LOAD IN KVA | | | | | | BRKR TRIP | P | O | O | BRKR TRIP | P | LOAD IN KVA | | | | | | SERVES | No. | | | | | | | | |
| | | LTG | RCPT | MTR | A/C | HTG | MISC | | | | | | | MISC | HTG | A/C | MTR | RCPT | LTG | | | | | | | | | | |
| 43 | LIFT - BAY 8 | | | 1.2 | | | | 30 | 2 | ● | ● | 2 | 30 | | | | | 1.2 | | | LIFT - BAY 7 | 44 | | | | | | | |
| 45 | | | | | | | | | | ● | ● | | | | | | | | | | | 46 | | | | | | | |
| 47 | LIFT - BAY 6 | | | 1.2 | | | | 30 | 2 | ● | ● | 2 | 30 | | | | | 1.2 | | | LIFT - BAY 5 | 48 | | | | | | | |
| 49 | | | | | | | | | | ● | ● | | | | | | | | | | | 50 | | | | | | | |
| 51 | LIFT - BAY 4 | | | 1.2 | | | | 30 | 2 | ● | ● | 2 | 30 | | | | | 1.2 | | | LIFT - BAY 3 | 52 | | | | | | | |
| 53 | | | | | | | | | | ● | ● | | | | | | | | | | | 54 | | | | | | | |
| 55 | LIFT - BAY 2 | | | 1.2 | | | | 30 | 2 | ● | ● | 2 | 30 | | | | | 1.2 | | | LIFT - BAY 1 | 56 | | | | | | | |
| 57 | | | | | | | | | | ● | ● | | | | | | | | | | | 58 | | | | | | | |
| 59 | SVC DESK MANAGER RECEPITS | | 0.4 | | | | | 20 | 1 | ● | ● | 1 | 20 | | | | | 0.4 | | | SALES COUNTER RECEPITS | 60 | | | | | | | |
| 61 | MANAGER'S DESK TECH COMPUTER | | 0.2 | | | | | 20 | 1 | ● | ● | 1 | 20 | | | | | 0.4 | | | SALES COUNTER RECEPITS | 62 | | | | | | | |
| 63 | SPARE | | | | | | | 20 | 1 | ● | ● | 1 | 20 | | | | | 0.4 | | | SALES COUNTER RECEPITS | 64 | | | | | | | |
| 65 | SPARE | | | | | | | 20 | 1 | ● | ● | 1 | 20 | | | | | 0.4 | | | SALES COUNTER RECEPITS | 66 | | | | | | | |
| 67 | SPARE | | | | | | | 20 | 1 | ● | ● | 1 | 20 | | | | | 0.4 | | | SALES COUNTER RECEPITS | 68 | | | | | | | |
| 69 | RTU UNIT RECEPT | | 0.2 | | | | | 20 | 1 | ● | ● | 1 | 20 | | | | | 0.4 | | | SALES COUNTER RECEPITS | 70 | | | | | | | |
| 71 | ROOF RECEPITS | | 0.4 | | | | | 20 | 1 | ● | ● | 1 | 20 | | | | | | 1.5 | | PARKING LOT POLE LIGHTS* | 72 | | | | | | | |
| 73 | SALES COUNTER RECEPITS | | 0.4 | | | | | 20 | 1 | ● | ● | 1 | 20 | | | | | | 1.5 | | PARKING LOT POLE LIGHTS* | 74 | | | | | | | |
| 75 | MAVIS SITE SIGN | 0.5 | | | | | | 20 | 1 | ● | ● | 1 | 20 | | | | | | 0.5 | | EXTERIOR TYPE SL-A LIGHTS* | 76 | | | | | | | |
| 77 | EXHAUST FAN EF-2 | | | 1.2 | | | | 20 | 1 | ● | ● | 1 | 20 | | | | | | 0.5 | | MAVIS SIGN ON BUILDING FRONT* | 78 | | | | | | | |
| 79 | MAVIS SIGN ON SIDE | 0.5 | | | | | | 20 | 1 | ● | ● | 1 | 20 | | | | | | 0.5 | | MAVIS SIGN ON BUILDING FRONT* | 80 | | | | | | | |
| 81 | MAVIS SIGN ON SIDE | 0.5 | | | | | | 20 | 1 | ● | ● | 1 | 20 | | | | | | 0.5 | | MAVIS SIGN ON BLDG SIDE* | 82 | | | | | | | |
| 83 | FIRE ALARM PANEL | | | | | | 0.1 | 20 | 1 | ● | ● | 1 | 20 | | | | | | 0.5 | | MAVIS SIGN ON BLDG SIDE* | 84 | | | | | | | |
| SECTION 2 TOTALS: | | | | | | | | | | | | 0.1 | 0.0 | 0.0 | 10.8 | 4.0 | 7.0 | CONNECTED KVA | | 21.9 | | | | | | | | | |

- NOTES:
- MAVIS DISCOUNT TIRE HAS A NATIONAL ELECTRICAL EQUIPMENT AGREEMENT WITH CONSOLIDATED ELECTRICAL DISTRIBUTORS, INC. (CED). THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING THE PANELBOARDS AND SWITCHGEAR EQUIPMENT. QUESTIONS CONCERNING QUOTES, PRICING, AND TECHNICAL SPECIFICATIONS SHALL BE DIRECTED TO JEREMY WIEST, CED NATIONAL ACCOUNTS, VIA EMAIL jeremy.wiest@ced.com OR BY PHONE AT (817) 923-1983.
 - *DENOTES CIRCUIT CONTROLLED VIA 8-POLE RELAY.

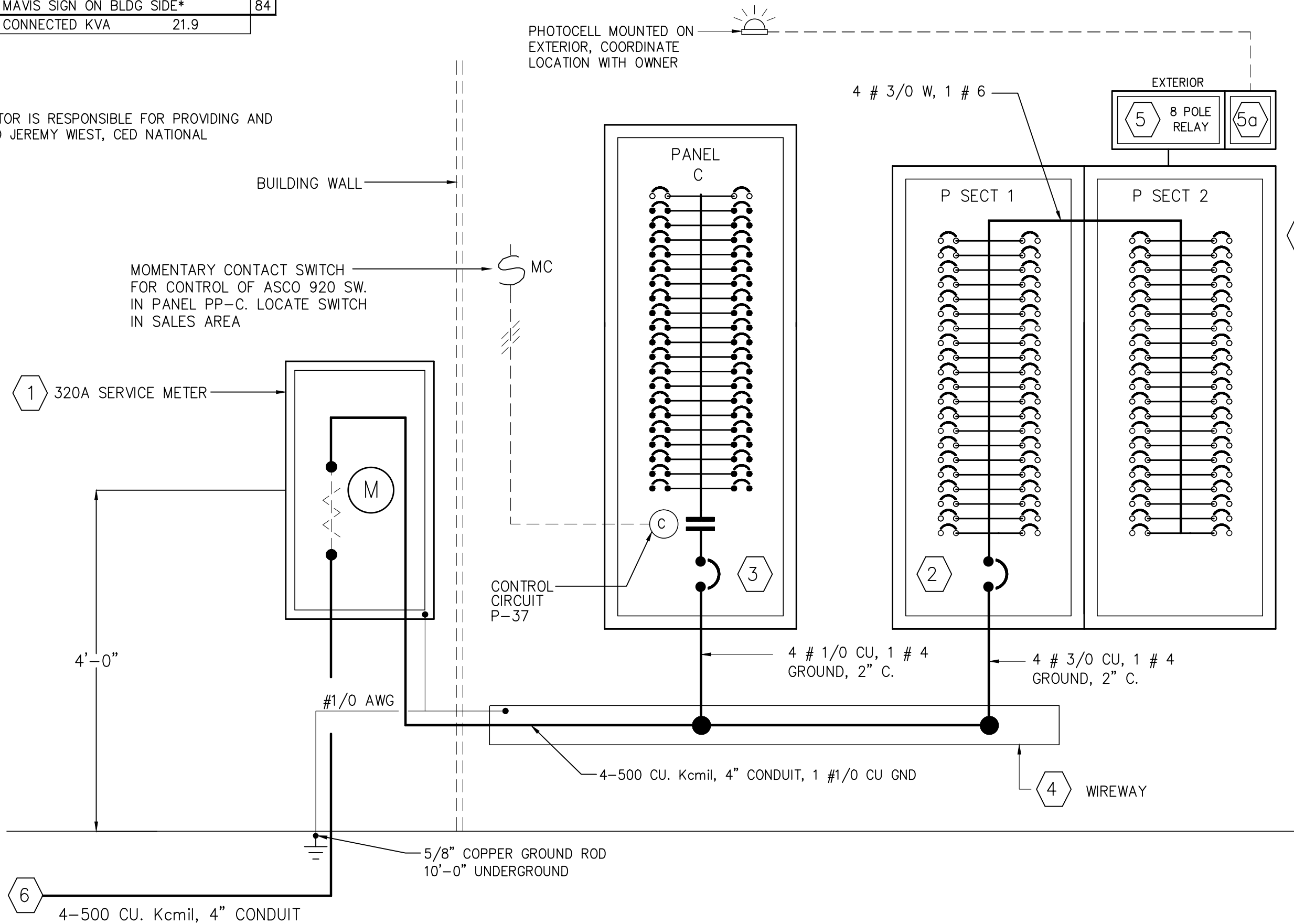


SEQUENCE OF OPERATION

- CONTROL SWITCH TURNS ON:
 - DURATION TIMER OUTPUT RELAY CLOSSES AND SENDS 120V TO PHOTOCELL.
 - IF PHOTOCELL IS OPEN (DAYLIGHT PRESENT) CONTACTOR REMAINS OFF.
 - IF PHOTOCELL IS CLOSED (NO DAYLIGHT PRESENT) CONTACTOR IS ENERGIZED AND TURNS ON.
- CONTROL SWITCH TURNS OFF:
 - DURATION TIMER INTERVAL TIMER STARTS, OUTPUT RELAY REMAINS CLOSED AND SENDS 120V TO THE PHOTOCELL.
 - IF PHOTOCELL IS OPEN (DAYLIGHT PRESENT) CONTACTOR REMAINS OFF.
 - IF PHOTOCELL IS CLOSED (NO DAYLIGHT PRESENT) CONTACTOR IS ENERGIZED AND REMAINS ON.
 - AT CONCLUSION OF SET TIME INTERVAL, THE OUTPUT RELAY OPENS AND SWITCHES OFF PHOTOCELL/CONTACTOR.

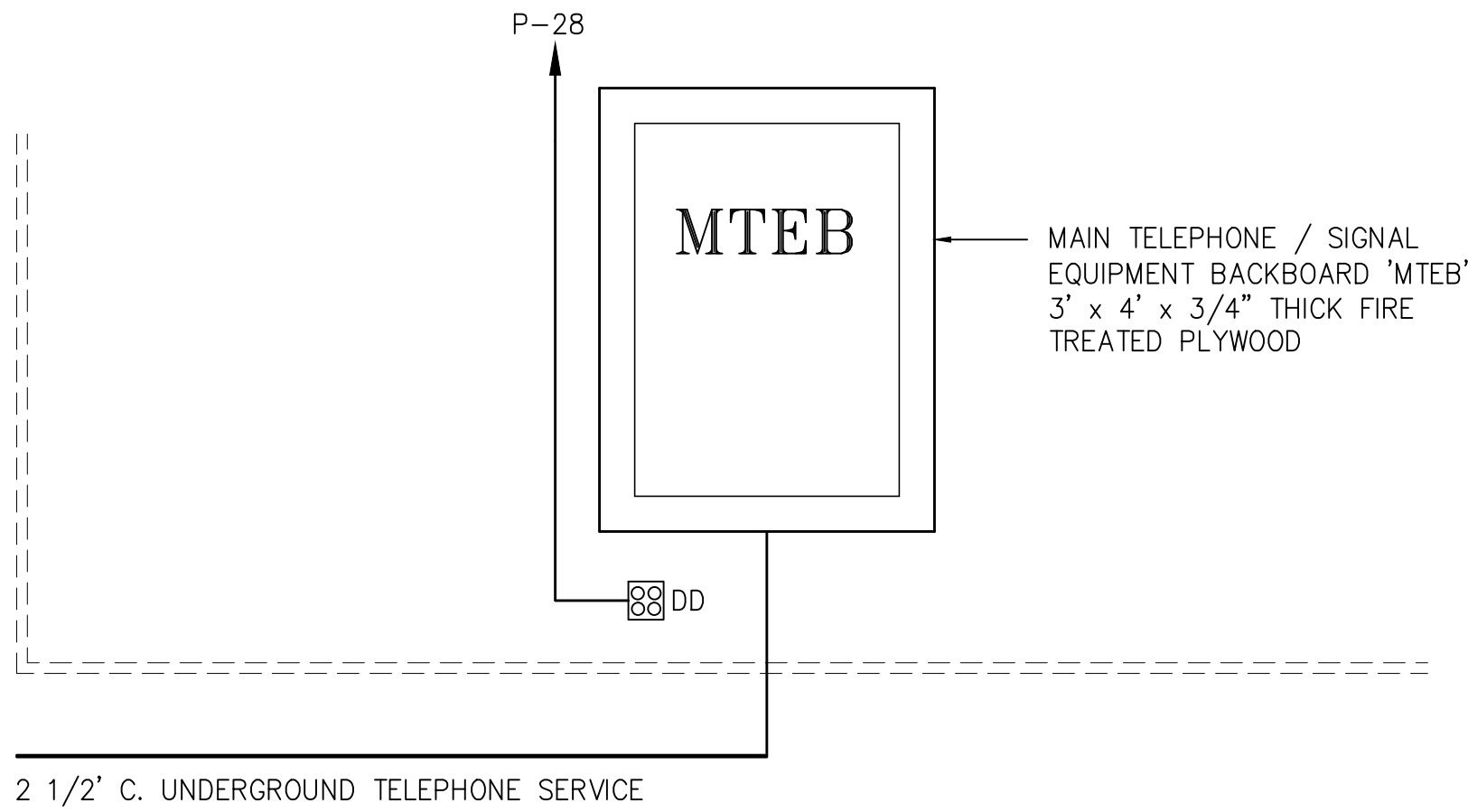
3 DURATION TIMER DIAGRAM

SCALE: N.T.S.



2 ONE LINE RISER DIAGRAM

SCALE: N.T.S.



1 TEL / SIGNAL SYSTEM RISER DIAGRAM

SCALE: N.T.S.

ONE LINE RISER LEGEND

- 320 Amp METER & SOCKET, AS PER UTILITY CO. SPECIFICATIONS: NEMA 3R, SUITABLE FOR EXTERIOR APPLICATIONS. SERVICE SIZE: 400A, 120V/208Y, 3Ø, 4W
- MAIN CIRCUIT BREAKER, 200 Amp 3 P SERVICE RATED
- 150A MAIN CIRCUIT BREAKER WITH 150 Amp 3 P. CONTACTOR, ASCO 920 OR EQUAL - SERVICE RATED
- 8 x 8 WIREWAY, WITH 4 - 500 CU kcmil SERVICE FEEDER
- 8 POLE RELAY FOR CONTROL OF EXTERIOR LIGHTING AND SIGNAGE CIRCUITS, CONTROLLED BY PHOTOCELLS AND DURATION TIMER
- 5a DURATION TIMER, EATON TRLO7. SET FOR FIVE HOUR DELAY OFF PER MANUFACTURER'S INSTRUCTIONS. SEE DIAGRAM ON THIS SHEET
- INCOMING UNDERGROUND ELECTRIC SERVICE 120/208 V. 3Ø 4 W. FROM UTILITY CO. TRANSFORMER
- POST A PERMANENT PLAQUE AT ALL SERVICE DISCONNECTS INDICATING WHERE THE OTHER SERVICE DISCONNECTS ARE LOCATED.

RISER & SCHEDULES

SHEET NO.:

E-102

PROJECT NO.:












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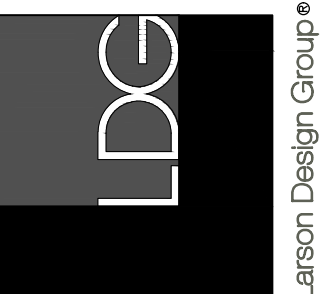
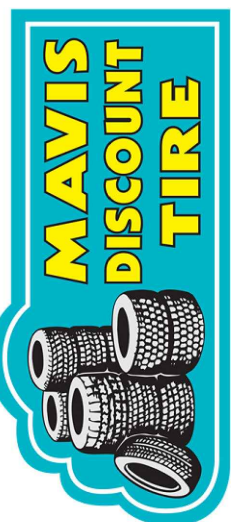
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| FIRE ALARM LEGEND | | | | | |
|---|-----------------------------|-------------------------|-----------------------|--|---------|
| SYMBOL | DESCRIPTION | MANUFACTURE/PART NUMBER | MOUNTING REQUIREMENTS | WIRE SIZE | ADDRESS |
|  | HORN/STROBE | SYSTEM SENSOR P4RL | MOUNT 80" AFF | 2 #16 THHN PER MANUAL STATION | |
|  | STROBE | SYSTEM SENSOR SRL | MOUNT 80" AFF | 4 #16 THHN PER SMOKE DETECTOR | |
|  | MANUAL PULL STATION | HONEYWELL 5140MPS | MOUNT 48" AFF | 3 #16 THHN TW/SH PAIR PER HEAT DETECTOR | L1M01 |
|  | SMOKE DETECTOR | HONEYWELL 5193 SERIES | IN CEILING | 4 #14 THHN PER HORN/STROBE | L1D04 |
|  | HEAT DETECTOR | HONEYWELL 5193 SERIES | IN CEILING | 2 #14 THHN PER STROBE | L1D05 |
|  | RELAY MODULE | HONEYWELL 4101SN | SURFACE MOUNT | 4 #14 THHN PER CARBON MONOXIDE DETECTOR ZONE | L1M02 |
|  | FIRE ALARM CONTROL PANEL | HONEYWELL VISTA 128FBP | SEMI-FLUSH 72" AFF | 3 #14 THHN | |
|  | FIRE ALARM COMMUNICATOR | HONEYWELL IPGSM-4G | SURFACE MOUNT | 3 #14 THHN | |
|  | ADDRESSABLE MONITOR MODULES | HONEYWELL 4109SN | SURFACE MOUNT | 4 #14 THHN | L1M03 |
|  | SURGE PROTECTION | DITEK DTK-FFK1 | SURFACE MOUNT | 3 #12 THHN | |
|  | FIRE ALARM ANNUNCIATOR | HONEYWELL 6160CR-2 | SURFACE MOUNT 60" AFF | 2 RS-485, 2 #16 THHN | |

- ## FIRE ALARM NOTES
1. ALL WIRING TO BE TEFLON COATED PLENUM RATED CABLE, 75°C., APPROVED FOR FIRE ALARM WIRING. WIRING SIZES INDICATED ARE MINIMUM SIZES REQUIRED.
 2. RUN WIRING IN MIN. 3/4" E.M.T. WHERE REQUIRED TO BE RUN EXPOSED.
 3. ALL WIRING TO BE IN ACCORDANCE WITH MANUFACTURER'S WIRING DIAGRAMS AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 4. RE: FIRE ALARM FLOOR PLANS FOR LOCATIONS AND QUANTITIES OF ALL DEVICES.
 5. ALL SMOKE DETECTORS SHALL SHUT DOWN ROOF TOP UNIT RTU-1.
 6. PROVIDE FIRE ALARM COMMUNICATOR ADJACENT TO FIRE ALARM CONTROL PANEL PER DETAIL 5/A-301.
 7. PROVIDE 2 CAT5e IN 3/4" E.M.T. FROM FIRE ALARM CONTROL PANEL TO NETWORK SWITCH IN MECHANICAL ROOM.
 8. VERIFY WITH AHJ IF WIRELESS FIRE ALARM SYSTEM IS ACCEPTABLE. NOTIFY ARCHITECT IF ISSUES ARISE.
 9. NO EQUIPMENT SUBSTITUTIONS.
 10. SMOKE DETECTORS SHALL START EXHAUST FAN EF-2.
 11. PROVIDE WIRE GUARDS FOR SMOKE DETECTORS LOCATED UNDER TIRE RACKING SYSTEM.

3-BAY SINGLE SIDED
(LEFT SIDE)

[illegible]

MAVIS DISCOUNT TIRE #X - CITY, STATE

MAVVIS TIRE SUPPLY LLC
358 SAW MILL RIVER ROAD
MILLWOOD, NY 10546
PHONE (914) 984-2500
FAX (914) 984-2500

SHEET NO.:
FA-100

PROJECT NO.: XXXX-XXX