# **PROJECT DESCRIPTION**

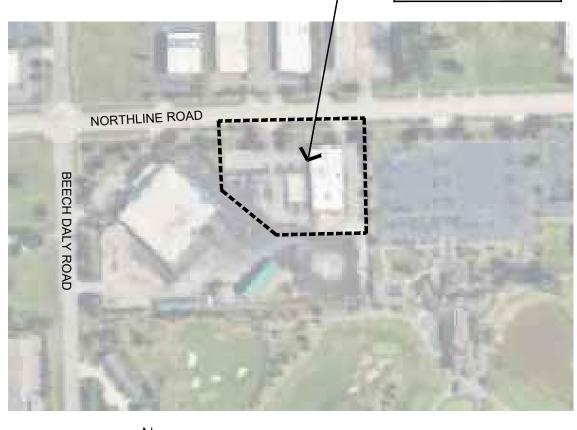
THIS PROJECT ENTAILS THE RENOVATION AND EXPANSION OF THE CITY OF TAYLOR ANIMAL SHELTER. THE CURRENT SHELTER OCCUPIES 5.200 SF OF THE EXISTING BUILDING. THIS EXISTING 5,200 SF WILL BE RENOVATED AND A NEW 9,020 SF BUILDING ADDITION WILL BE CONSTRUCTED TO EXAPND THE ANIMAL SHELTER TO 14,220 SF.

SITE IMPROVEMENTS/ALTERATIONS WILL INCLUDE NEW WALKWAYS, DOG RUNS, AND LANDSCAPING.

# ZONING INFORMATION

CURRENT ZONING:	I-1 LIGHT INDUSTRIAL DISTRICT
PROPOSED ZONING:	I-1 LIGHT INDUSTRIAL DISTRICT
SETBACKS:	50' FRONT YARD SETBACK (EXISTING TO REMAIN AS-IS) 10' SIDE YARD (EXISTING TO REMAIN AS-IS) 10' REAR YARD (EXISTING TO REMAIN AS-IS)
EXISTING PARKING:	117 PARKING SPACES
REQUIRED PARKING:	TOTAL = 75 SPACES (SEE BREAKDOWN BELOW)
ANIMAL SHELTER :	1 PER 400SF USEABLE PLUS 2 PER EMPLOYEE 14,220SF X 80% = 11,376 / 400SF = 28 SPACES 12 EMPLOYEES 2 = 24
FIRING RANGE:	1.2 SPACES PER 300SF USEABLE 5,000SF X 80% = 4,000 / 300 = 13.3 X 1.2 = 16 SPACES (PREVIOUSLY APPROVED IN 1994)
MAINTENANCE AREA:	1 PER 1500SF GROSS 10,260SF / 1500 = 7 SPACES (PREVIOUSLY APPROVED IN 1994)
LANDSCAPING:	WILL COMPLY REFER TO LANDSCAPING PLAN L-100

PROJECT LOCATION: 25555 NORTHLINE ROAD



LOCATION MAP SCALE: NONE

# PROJECT DATA

PROPERTY ADDRESS:
PROPERTY OWNER:
PROPERTY USER/TENANT:
CURRENT BUILDING SIZE:
PROPOSED BUILDING SIZE
CURRENT USE:
PROPOSED USE:

25555 NORTHLINE RD CITY OF TAYLOR CITY OF TAYLOR 20,460 SF (ANIMAL SHELTER PORTION 5,200 SF)

E: 29,480 SF (ANIMAL SHELTER PORTION 14,220 SF) ANIMAL SHELTER, FIRING RANGE, MAINTENANCE ANIMAL SHELTER, FIRING RANGE, MAINTENANCE

	CODE SUMMARY
CODE:	2015 MICHIGAN BUILDING CODE 2015 MICHIGAN PLUMBING CODE 2015 MICHIGAN MECHANICAL CODE 2015 MICHIGAN ELECTRICAL CODE BARRIER FREE ICC/ANSI 117.1 (2009)
USE GROUP (MIXED):	S-1 (STORAGE WAREHOUSE) B (ANIMAL SHELTER AND FIRING RANGE)
CONSTRUCTION TYPE:	2В
ALLOWABLE AREA:	S-1 = 70,000 SF / B = 92,000 SF
ALLOWABLE HEIGHT:	S-1 = 3 STORIES / B = 4 STORIES
OCCUPANT LOAD:	WAREHOUSES = 1 PER 500 SF 9,665 SF / 500 = 19 OCCUPANTS
	BUSINESS = 1 PER 100 SF 665 SF (FIRING RANGE, FIRING AREA) / 100
	BUSINESS = 1 PER 100 SF 5,200 SF (ANIMAL SHELTER, HUMAN AREA
OCCUPANCY SEPARATION:	NO SEPARATION REQUIRED BETWEEN 'B' (MBC TABLE 508.4)
FIRE SUPPRESSION:	FULLY SUPPRESSED
EGRESS TRAVEL:	USE S-1: 250 FT USE B: 300 FT COMPLY: SEE LIFE SAFETY DRAWING LS-7
PLUMBING FIXTURES:	S-1 (MAINTENANCE AREA): EXISTING FIXT B (FIRING RANGE): EXISTING FIXTURES TO
	B (ANIMAL SHELTER): BASED ON THE SF SPACES OF 4800 S
	TOILETS1 per 1005 REQUIREDLAVATORIES1 per 1005 REQUIREDSERVICE SINK11 REQUIREDDRINKING FTN.11 REQUIRED

# CONSTRUCTION PHASING

THE GENERAL CONTRACTOR SHALL CONSTRUCT THIS PROJECT IN TWO PRIMARY PHASES. PHASE 1 SHALL INCLUDE THE CONSTRUCTION OF THE BUILDING ADDTION. PHASE 2 SHALL INCLUDE THE RENOVATION OF THE EXISTING ANIMAL SHELTER FOOTPRINT. SITE WORK CAN BE PERFORMED WITHIN EITHER OR BOTH PHASES AS DESIRED BY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL ACCOUNT FOR THIS 2 PHASED CONSTRUCTION APPROACH WITHIN THEIR BID.

# **BID ALTERNATES**

**BID ALTERNATE 1** 

SKYLIGHTS: GC SHALL PROVIDE A DEDUCTIVE COST ALTERNATE FOR THE ELIMINATION OF THE SKYLIGHTS WITHIN THE GUN RANGE CORRIDOR #158 AND HALLWAY #120. THIS COST SHALL INCLUDE THE SKYLIGHTS, ROOF CURBS, SUPPORT AND SUPPORT STEEL.

# CITY OF TAYLOR ANIMAL SHELTER

25555 NORTHLINE ROAD

TAYLOR, MI 48180

# - REMODEL & EXPANSION -100% Complete - City Plan Review

### GENERAL NOTES ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL LOCAL, STATE, AND COUNTY CODES / ORDINANCES AND BUILDING REGULATIONS OF THE CITY OF FERNDALE / OSHA / AND THE INSTRUCTIONS OF INSPECTING AUTHORITIES. THE GENERAL CONTRACTOR (GC) SHALL VISIT THE PREMISES AND SHALL BECOME THOROUGHLY FAMILIAR WITH THE CONDITIONS PRIOR TO COMMENCEMENT OF WORK. 3. THE OWNER SHALL CONFIRM THE GENERAL CONTRACTORS (GC) SCOPE OF WORK. 4. THE GC SHALL PROMPTLY NOTIFY THE OWNER AND ARCHITECT OF ANY AMBIGUITY, INCONSISTENCY OR ERROR WHICH HE MAY DISCOVER UPON EXAMINATION OF THE DOCUMENTS OR OF THE SITE. 5. GC SHALL INCLUDE COSTS OF ALL PERMITS AND RELATED FEES. 6. ALL PRODUCT/MATERIAL SUBSTITUTIONS SHALL BE APPROVED BY ARCHITECT/OWNER 7. DO NOT SCALE DRAWINGS, USE ONLY THE DIMENSIONS PROVIDED. . FIELD VERIFY ALL DIMENSIONS. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO THE CONSTRUCTION DETAILS, MATERIAL QUANTITIES AND EXTENT OF THE CONSTRUCTION WORK SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PERFORM THE WORK TO MEET FIELD CONDITIONS ENCOUNTERED. 9. GC SHALL BE RESPONSIBLE FOR SAFETY ON THIS PROJECT, INCLUDING ALL NECESSARY SIGNS, BARRIERS AND SUPERVISION. 10. GC SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, TOOLS, TRANSPORTATION, ETC. FOR A COMPLETE & PROPER COMPLETION OF THE PROJECT AS INDICATED ON THE DRAWINGS & AS SPECIFIED HEREIN. 11. DURING CONSTRUCTION, GC SHALL MAINTAIN EXISTING MEANS OF EGRESS AND PASSAGEWAYS CLEAR OF OBSTRUCTIONS. TAKE ALL PRECAUTIONS NECESSARY TO INSURE THE SAFETY OF THE GENERAL PUBLIC AND WORKERS. 12. GC SHALL BE RESPONSIBLE TO PROTECT ADJACENT PRIVATE AND PUBLIC PROPERTY FROM DAMAGE DURING CONSTRUCTION. 13. COORDINATION AND SEQUENCE OF CONSTRUCTION IS THE RESPONSIBILITY OF THE GC. 00 = 7 OCCUPANTS 14. THE LOCATION OF ALL UTILITIES INDICATED HEREIN ARE APPROXIMATE ONLY AND WERE LOCATED FROM SOURCES BELIEVED TO BE RELIABLE, BUT NO GUARANTEE IS EXPRESSED OR IMPLIED AS TO LOCATION. THE CONTRACTOR SHALL MAKE HIS OWN INVESTIGATION AS A) / 100 = 52 OCCUPANTS TO THE EXTENT OF THESE OR OTHER UTILITIES, AND SHALL BE RESPONSIBLE FOR PROTECTION AND RESTORATION OF SAME IF DAMAGED AS A RESULT OF HIS OPERATIONS. 3' AND 'S-1' 15. OWNER SHALL HAVE FIRST CLAIM TO ALL SALVAGEABLE ITEMS. 16. GC SHALL CONSULT WITH OWNER REGARDING STORAGE OF ON SITE MATERIALS AND ACCESS TO SITE. 17. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER -100 THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. TURES TO REMAIN AS-IS. 18. ALL EXISTING CONSTRUCTION, EQUIPMENT AND FINISHES TO REMAIN SHALL BE O REMAIN AS-IS. PROTECTED DURING CONSTRUCTION. F OF HUMAN OCCUPIED 19. GC SHALL PERFORM ALL DEMOLITION REQUIRED FOR INSTALLATION OF NEW ITEMS. FIELD VERIFY ITEMS TO BE DEMOLISHED. ANY DISCREPANCIES OR QUESTIONABLE ITEMS SHOULD BE BROUGHT TO THE OWNER/ARCHITECT'S ATTENTION. GC SHALL REMOVE ALL 8 PROVIDED DEBRIS FROM SITE AND LEGALLY DISPOSE OF. 8 PROVIDED 5 PROVIDED 20. GC SHALL PROVIDE A WRITTEN GUARANTEE THAT WILL BE MADE GOOD AT GC'S OWN D NONE PROVIDED EXPENSE FOR ANY IMPERFECTIONS IN MATERIAL AND/OR WORKMANSHIP WHICH MY DEVELOP WITHIN (1) ONE YEAR FROM FINAL ACCEPTANCE. FURTHER, THIS GC SHALL OBTAIN WRITTEN GUARANTEES FROM ALL MANUFACTURERS STATING ON WHAT OPERATING CONDITIONS & PERFORMANCE CAPACITIES EACH EQUIPMENT PIECE GUARANTEE IS BASED. **BID ALLOWNACES BID ALLOWANCE 1** CARPORT: GC SHALL INCLUDE AN ADD ALLOWANCE OF \$25,000 FOR A OPEN CARPORT WITHIN THE EAST PARKING LOT. BID ALLOWANCE 2 DOG RUN STORAGE BINS: GC SHALL INCLUDE AN ADD ALLOWANCE OF \$1,600 FOR 2 STORAGE BINS WITHIN THE OUTDOOR DOG RUN AREA. **BID ALLOWANCE 3** EXTERIOR STORAGE SHED: GC SHALL INCLUDE AN ADD ALLOWANCE OF \$12,000 FOR STORAGE SHED WITHIN THE EAST PARKING LOT. **BID ALLOWANCE 4** EXTERIOR SIGNS: GC SHALL INCLUDE AN ADD ALLOWANCE OF \$14,000 FOR EXTERIOR SIGNS. BID ALLOWANCE 5 APPLIANCES: GC SHALL INCLUDE AN ADD ALLOWANCE OF \$12,000 FOR APPLIANCES. BID ALLOWANCE 5 ARTIFICIAL PLANTS: GC SHALL INCLUDE AN ADD ALLOWANCE OF \$2,500 FOR INTERIOR ARTIFICIAL PLANTS. BID ALLOWANCE 6 HAZARDOUS MATERIALS TESTING: GC SHALL INCLUDE AN ADD ALLOWANCE OF \$4,000 FOR TESTING OF SUSPECT MATERIALS SUCH AS ASBESTOS. **BID ALLOWANCE 7** ACOUSTIC WALL PANELS: GC SHALL INCLUDE AN ADD ALLOWANCE OF \$7,500 FOR WALL MOUNTED ACOUSTIC PANELS WITHIN THE CANINE KENNEL AREAS.

NO.	SHEET TITLE
	GENERAL
CS-001	COVER SHEET / DRAWING INDEX / CODE SUMMARY
CS-003	ABBREVIATIONS / SYMBOLS / MOUNTING HEIGHTS
LS-100	LIFE SAFETY PLAN
0.400	
C-100	EXISTING TOPOGRAPHICAL SURVEY DEMOLITION SITE PLAN
C-110 C-120	PROPOSED SITE PLAN
C-120	ENLARGED SITE PLAN
C-130	PROPOSED GRADING PLAN
C-140	PROPOSED UTILITY PLAN
C-150	GENERAL NOTES & DETAILS
L-100	LANDSCAPE PLAN
	CITY OF TAYLOR STANDARDS
MD-1	STANDARD MISC. DETAILS
SE-1	STANDARD SESC DETAILS
SS-1	STANDARD SANITARY SEWER DETAILS
SS-2	STANDARD SANITARY SEWER DETAILS
ST-1	STANDARD STORM SEWER DETAILS
WM-1	STANDARD WATER MAIN DETAILS
WM-2	STANDARD WATER MAIN DETAILS
15.440	ARCHITECTURE
AD-110	DEMOLITION FLOOR PLANS
AD-120	DEMOLITION ROOF PLAN
AD-130 A-111	DEMOLITION ELEVATIONS
A-111 A-112	FLOOR PLAN ENLARGED FLOOR PLAN
A-112 A-113	ENLARGED FLOOR PLAN
A-114	ENLARGED FLOOR PLAN
A-120	ROOF PLAN
A-200	ELEVATIONS
A-300	PLAN DETAILS
A-301	PLAN DETAILS
A-400	INTERIOR ELEVATIONS
A-401	INTERIOR ELEVATIONS
A-510	REFLECTED CEILING PLAN
A-600	BUILDING SECTIONS
A-701	WALL SECTIONS
A-702	WALL SECTIONS
A-703	WALL SECTIONS
A-704	WALL SECTIONS
A-705	WALL SECTIONS
A-800	
A-801	
A-900 A-901	DOOR SCHEDULE DOOR, FRAME, & WINDOW TYPES
A-901 A-902	ROOM FINISH SCHEDULE
A-902	FLOOR PATTERN PLAN
	STRUCTURAL
S-000	STRUCTURAL GENERAL NOTES
S-001	STRUCTURAL GENERAL NOTES
S-100	FOUNDATION PLAN
S-200	STRUCTURAL FRAMING PLAN
S-201	STRUCTURAL LINTEL PLAN
S-801	STRUCTURAL DETAILS
S-802	STRUCTURAL DETAILS



CITY

REVIEW

1/17/24

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SHEET INDEX



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# Client:

City of Taylor 23555 Goddard Rd. Taylor, MI 48180

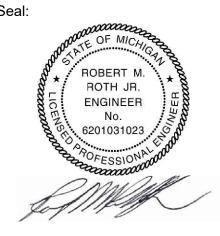
# Project:

City of Taylor Animal Shelter Remodel & Expansion

# 25555 Northline Rd.

Taylor, MI 48180

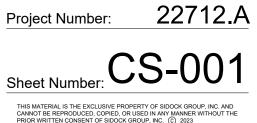
Seal:



Date	Issued For
9-13-2023	25% Complete Review
0-18-2023	50% Complete Review
2-21-2023	Owner Review
1-17-2024	Permit Review

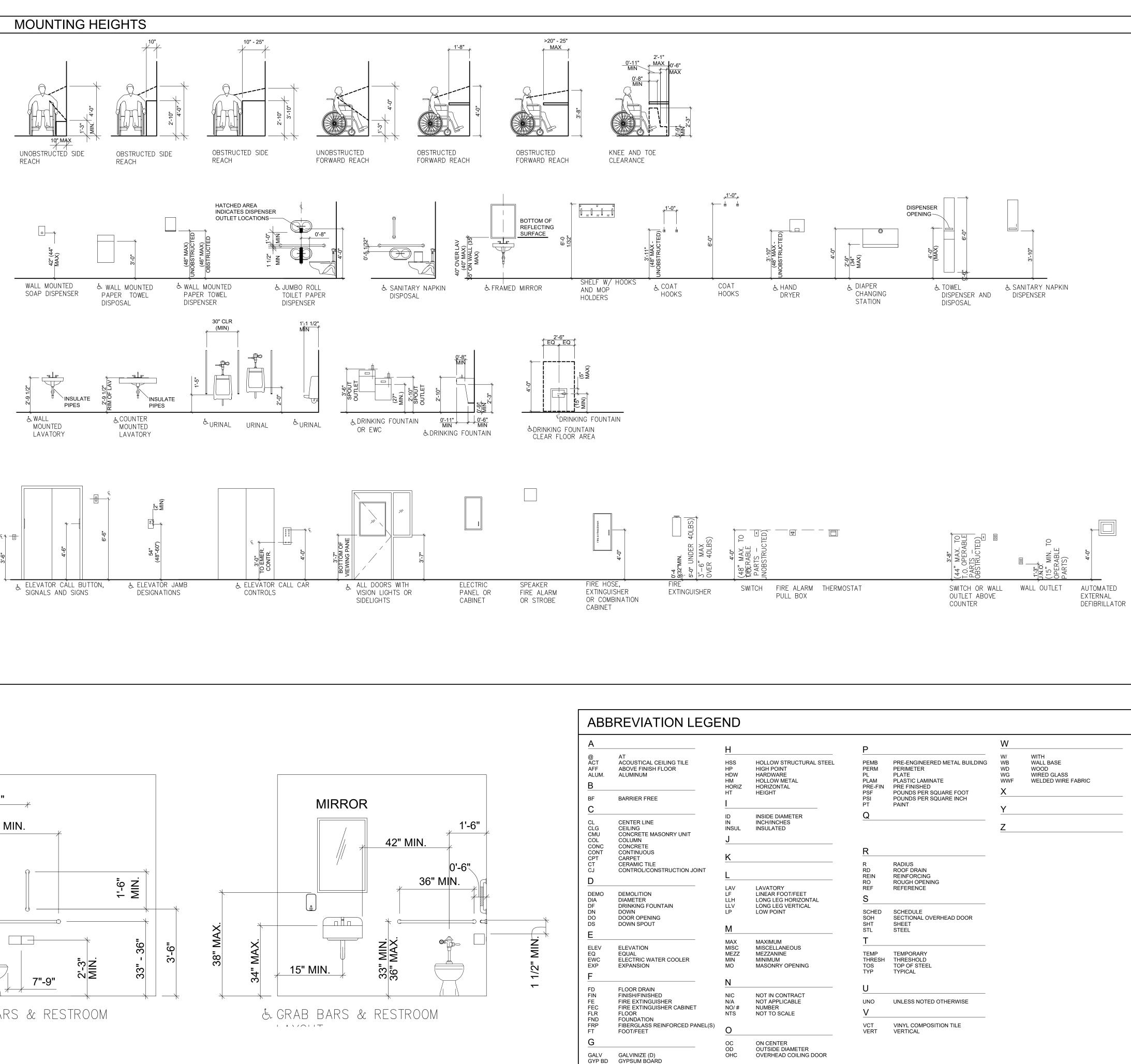
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Checked:	WD
Approved:	MR
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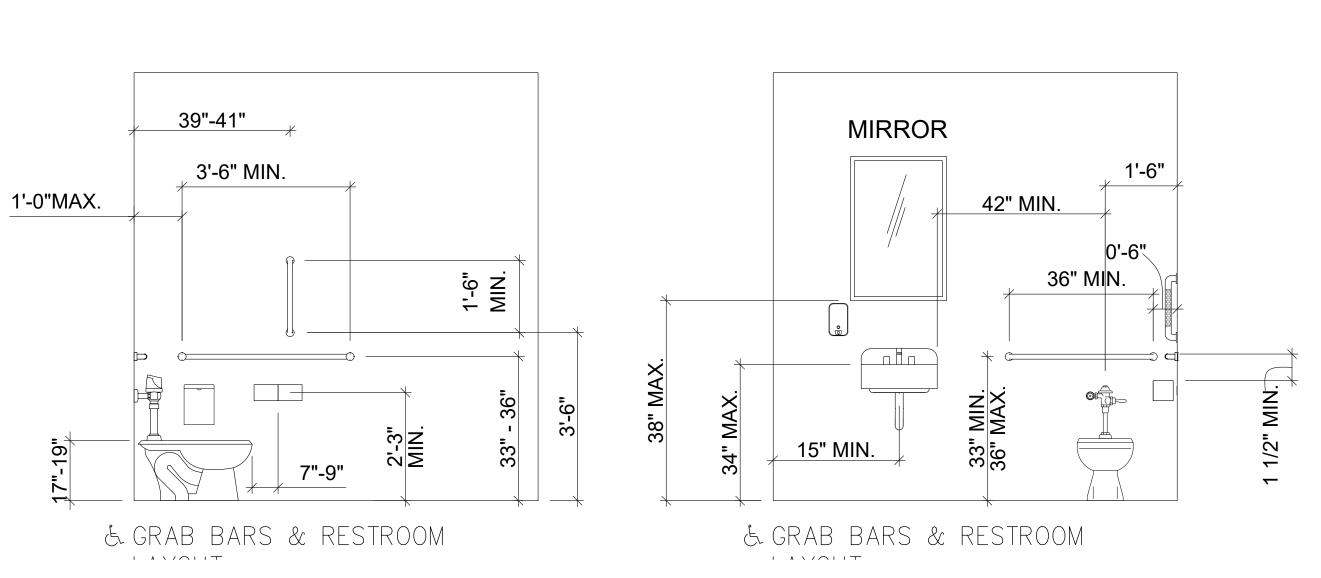
Sheet Title: **COVER SHEET &** DRAWING INDEX



NO.	SHEET TITLE	CITY REVIEV 1/17/24
	MECHANICAL	
M-110	MECHANICAL DEMOLITION FLOOR PLANS	•
M-111	OVERALL HVAC FLOOR PLAN	•
M-112	HVAC FLOOR PLAN - WEST	•
M-113	HVAC FLOOR PLAN - EAST	•
M-114	HVAC FLOOR PLAN - SOUTH	•
M-900	HVAC SCHEDULES	•
	PLUMBING	
PD-110	PLUMBING & PIPING DEMOLITION FLOOR PLANS	•
PD-111	OVERALL PLUMBING & PIPING FLOOR PLANS	•
PD-112	PLUMBING & PIPING FLOOR PLAN - WEST	•
PD-113	PLUMBING & PIPING FLOOR PLAN - EAST	•
PD-114	PLUMBING & PIPING FLOOR PLAN - SOUTH	•
PD-900	PLUMBING & PIPING SCHEDULES & DIAGRAMS	•
	ELECTRICAL	
ES-100	ELECTRICAL SITE PLAN	•
ED-110	ELECTRICAL DEMOLITION FLOOR PLAN	•
ED-120	ELECTRICAL DEMOLITION ROOF PLAN	•
ED-600	ELECTRICAL DEMOLITION RISER DIAGRAM	•
EL-111	OVERALL ELECTRICAL LIGHTING FLOOR PLAN	•
EL-112	ENLARGED ELECTRICAL LIGHTING PLAN	•
EL-113	ENLARGED ELECTRICAL LIGHTING PLAN	•
EL-114	ENLARGED ELECTRICAL LIGHTING PLAN	•
EL-600	ELECTRICAL LIGHTING FIXTURE SCHEDULE	•
EP-111	OVERALL ELECTRICAL POWER FLOOR PLAN	•
EP-112	ENLARGED ELECTRICAL POWER PLAN	•
EP-113	ENLARGED ELECTRICAL POWER PLAN	•
EP-114	ENLARGED ELECTRICAL POWER PLAN	•
EP-212	ENLARGED ELECTRICAL MECH POWER PLAN	•
EP-213	ENLARGED ELECTRICAL MECH POWER PLAN	•
EP-220	ELECTRICAL POWER ROOF PLAN	•
EP-600	ELECTRICAL ONE LINE DIAGRAM	•
EP-601	ELECTRICAL GROUNDING DETAILS	•
EP-602	ELECTRICAL PANEL SCHEDULES	•

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M-111	OVERALL HVAC FLOOR PLAN	•
M-112	HVAC FLOOR PLAN - WEST	•
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EP-114	ENLARGED ELECTRICAL POWER PLAN	•
EP-212	ENLARGED ELECTRICAL MECH POWER PLAN	•
EP-213	ENLARGED ELECTRICAL MECH POWER PLAN	•
EP-220	ELECTRICAL POWER ROOF PLAN	•
EP-600	ELECTRICAL ONE LINE DIAGRAM	•
EP-601	ELECTRICAL GROUNDING DETAILS	•
EP-602	ELECTRICAL PANEL SCHEDULES	•
	M-111 M-112 M-113 M-114 M-900 PD-110 PD-110 PD-111 PD-112 PD-113 PD-114 PD-900 ED-110 ED-110 ED-120 ED-110 ED-120 ED-110 ED-120 ED-600 EL-111 EL-112 EL-113 EL-114 EL-112 EL-113 EL-114 EL-112 EP-111 EP-112 EP-113 EP-114 EP-212 EP-213 EP-213	M-111OVERALL HVAC FLOOR PLANM-112HVAC FLOOR PLAN - WESTM-113HVAC FLOOR PLAN - EASTM-114HVAC FLOOR PLAN - SOUTHM-900HVAC SCHEDULESPLUMBINGPD-110PLUMBING & PIPING DEMOLITION FLOOR PLANSPD-111OVERALL PLUMBING & PIPING FLOOR PLANPD-112PLUMBING & PIPING FLOOR PLAN - WESTPD-113PLUMBING & PIPING FLOOR PLAN - EASTPD-114PLUMBING & PIPING FLOOR PLAN - SOUTHPD-900PLUMBING & PIPING SCHEDULES & DIAGRAMSELECTRICALES-100ELECTRICAL SITE PLANED-110ELECTRICAL DEMOLITION FLOOR PLANED-110ELECTRICAL DEMOLITION ROOF PLANED-110ELECTRICAL DEMOLITION ROOF PLANED-111OVERALL ELECTRICAL LIGHTING FLOOR PLANEL-112ENLARGED ELECTRICAL LIGHTING FLOOR PLANEL-113ENLARGED ELECTRICAL LIGHTING PLANEL-114ENLARGED ELECTRICAL LIGHTING PLANEP-111OVERALL ELECTRICAL LIGHTING PLANEP-112ENLARGED ELECTRICAL POWER FLOOR PLANEP-113ENLARGED ELECTRICAL POWER PLANEP-114ENLARGED ELECTRICAL POWER PLANEP-212ENLARGED ELECTRICAL MECH POWER PLANEP-213ENLARGED ELECTRICAL MECH POWER PLANEP-200ELECTRICAL ONE LINE DIAGRAMEP-600ELECTRICAL ONE LINE DIAGRAMEP-601ELECTRICAL ONE LINE DIAGRAMEP-601ELECTRICAL GROUNDING DETAILS





# GALV GYP BD GA GALVINIZE (D) GYPSUM BOARD GAUGE



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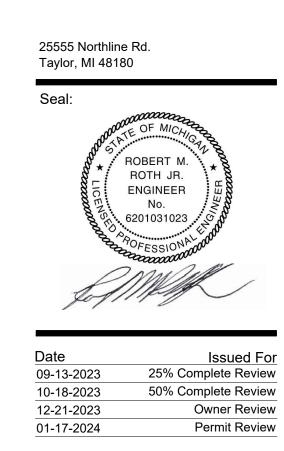
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Client: City of Taylor 23555 Goddard Rd. Taylor, MI 48180

Project:

City of Taylor Animal Shelter Remodel & Expansion



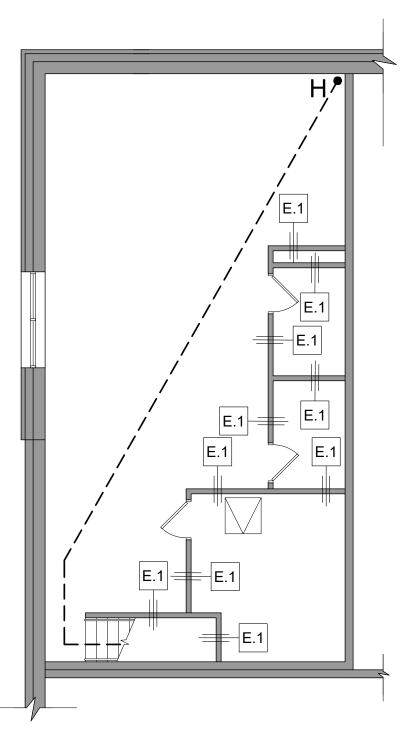
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Approved:	MR

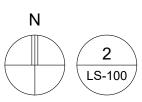
Sheet Title: ABBREVIATIONS / SYMBOLS / MOUNTING HEIGHTS

Project Number: 22712.A

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SECOND FLOOR PLAN

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

# WALL TYPES

# PROPOSED WALLS

# 3-5/8" STUD WALLS

- 3-5/8" MTL. STUDS @ 16" O.C. FROM FIN. FLR. TO 8" ABOVE FINISH
   CEILING W/ (1) LAYER 5/8" GYP. BD. EA SIDE W/ SOUND ATTENUATING UNFACED BATT INSULATION WITHIN CAVITIES (FULL HEIGHT).
- 2 3-5/8" MTL. STUDS @ 16" O.C. FROM FIN. FLR. TO 8" ABOVE FINISH CEILING W/ (1) LAYER 5/8" GYP. BD. EA SIDE W/ 1/2" RESILIENT CHANNELS BENEATH GYP. BD. ONE SIDE W/ SOUND ATTENUATING UNFACED BATT INSULATION WITHIN CAVITIES (FULL HEIGHT).
- 3-5/8" MTL. STUDS @ 16" O.C. FROM FIN. FLR. TO UNDERSIDE OF DECK ABOVE W/ (1) LAYER 5/8" GYP. BD. EA SIDE W/ SOUND ATTENUATING UNFACED BATT INSULATION WITHIN CAVITIES (FULL HEIGHT).
- 3-5/8" MTL. STUDS @ 16" O.C. FROM FIN. FLR. TO UNDERSIDE OF DECK
   ABOVE W/ (1) LAYER 5/8" GYP. BD. EA SIDE W/ 1/2" RESILIENT CHANNELS
   BENEATH GYP. BD. ONE SIDE W/ SOUND ATTENUATING UNFACED BATT INSULATION WITHIN CAVITIES (FULL HEIGHT).
- 3-5/8" MTL. STUDS @16" O.C. FROM FIN. FLR. TO 7'-4"ABOVE FIN. FLR. W/
   (1) LAYER 5/8" GYP. BD. EA SIDE. UNFACED BATT INSULATION WITHIN
   6" STUD WALLS
- 6" MTL. STUDS @ 16" O.C. FROM FIN. FLR. TO 8" ABOVE FINISH CEILING W/ (1) LAYER 5/8" GYP. BD. EA SIDE W/ SOUND ATTENUATING UNFACED BATT INSULATION WITHIN CAVITIES (FULL HEIGHT).
- 6" MTL. STUDS @ 16" O.C. FROM FIN. FLR. TO 8" ABOVE FINISH CEILING W/ (1) LAYER 5/8" GYP. BD. EA SIDE W/ ½" RESILIENT CHANNELS BENEATH GYP. BD. ONE SIDE W/ SOUND ATTENUATING UNFACED BATT INSULATION WITHIN CAVITIES (FULL HEIGHT).
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- 6" MTL. STUDS @ 16" O.C. FROM FIN. FLR. TO 7'-4" ABOVE FIN. FLR. W/ (1) LAYER 5/8" GYP. BD. EA SIDE. UNFACED BATT INSULATION WITHIN CMU WALLS
- 8" CMU WALL TO 8" ABOVE FINISH CEILING W/ PAINTED FINISH BOTH SIDES. REFER TO STRUCTURAL DRAWINGS FOR REINFORCING REQUIREMENTS.
- 8" CMU WALL FROM FIN. FLR. TO 7'-4" ABOVE FIN. FLR. W/ PAINTED FINISH BOTH SIDES. REFER TO STRUCTURAL DRAWINGS FOR REINFORCING REQUIREMENTS.
- 12" CMU WALL TO HEIGHT OF PARAPET WALL W/ PAINTED FINISH BOTH SIDES AT INTERIOR. REFER TO STRUCTURAL PLANS FOR REINFORCING REQUIREMENTS. REFER TO WALL SECTIONS FOR ANY EXTERIOR FINISHES.
- 12" CMU WALL FROM FIN. FLR. TO UNDERSIDE OF DECK ABOVE W/ PAINTED FINISH BOTH SIDES AT INTERIOR. REFER TO STRUCTURAL PLANS FOR REINFORCING REQUIREMENTS. REFER TO WALL SECTIONS FOR ANY EXTERIOR FINISHES.

# INTERIOR FURRING

- 2" MTL. FURRING STUDS AT 16" O.C. ON FACE OF EXTERIOR WALL TO 8" ABOVE FINISH CEILING W/ (1) LAYER 5/8" GYP. BD. ON INTERIOR W/ 2" RIGID INSULATION WITHIN STUD CAVITIES.
- EXISTING WALLS
- E.1 EXISTING 3-1/2" STL. STUDS @ 16" O.C. FROM FIN. FLR. TO UNDERSIDE OF DECK ABOVE W/ (1) LAYER 5/8" GYP. BD. EA SIDE
- E.2 EXISTING 8" CMU WALL FROM FIN. FLR. TO UNDERSIDE OF DECK ABOVE

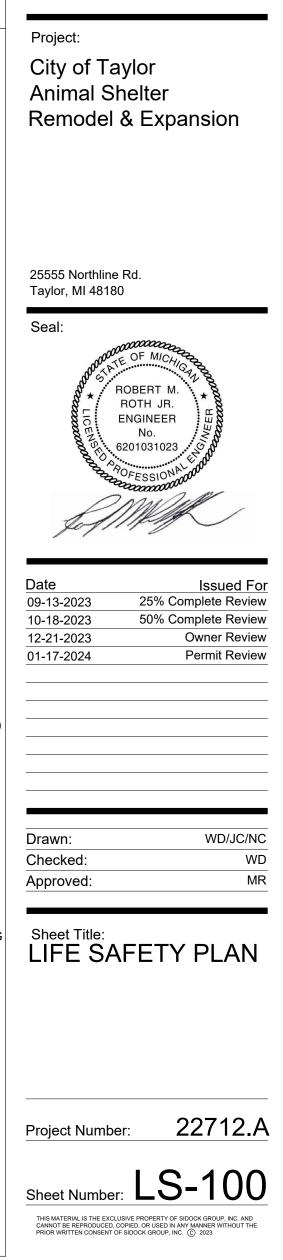


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<sup>Client:</sup> City of Taylor 23555 Goddard Rd. Taylor, MI 48180



# MAX. TRAVEL DISTANCE

6 1/2"	A2 = 108'-4"
0"	B2 = 94'-7"
-8"	C2 = 141'-0"
-6"	D2 = 95'-4.5"
0"	E2 = 124'-0"
'-5 1/2"	F2 = 155'-3"
-6"	G2 = 91'-1"
)'-9 1/2"	H2 = 190'-7 1/2"

WALL TYPE SYMBOL (SEE WALL TYPES LIST ON THIS SHEET LS-100)

EXISTING WALL

NEW PARTITION WALL

NEW MASONRY WALL

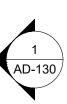
NOT IN CONTRACT NO WORK IN THIS ROOM

NEW DOOR

EXISTING DOOR



# -(10)



# **GENERAL DEMOLITION NOTES:**

- A. COORDINATE ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DEMOLITION DRAWINGS ACCORDINGLY.
- B. THESE DEMOLITION NOTES AND PLANS DO NOT FULLY REPRESENT ALL DEMOLITION WORK REQUIRED TO INSTALL NEW WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS, BUT ARE INTENDED TO SERVE AS GENERAL DEMOLITION GUIDELINES. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATIONS OF INCIDENTAL DEMOLITION WORK NOT INDICATED ON THIS PLAN.
- C. THE CONTRACTOR IS RESPONSIBLE FOR ALL ITEMS TO BE SALVAGED AND RELOCATED, INCLUDING SAFE STORAGE OF SAME. UPON DEMOLITION, THE OWNER SHALL RETAIN THOSE ITEMS DEEMED SALVAGEABLE. ITEMS NOT RETAINED SHALL BECOME THE PROPERTY OF THE CONTRACTOR WHO SHALL LEGALLY DISPOSE OF SAME.
- D. WHERE ITEMS ARE REMOVED, PATCH SURFACES TO MATCH ADJACENT SURFACES OR NEW FINISHES WHERE SCHEDULED. PATCHING OF NEW OR EXISTING FINISHES SHALL EXTEND TO NEAREST NATURAL BREAK OR TERMINATION FOR A CLEAN UNBLEMISHED APPEARANCE AT THE END OF CONSTRUCTION.
- DISCONNECT AND REMOVE ALL ITEMS AS INDICATED OR AS E. OTHERWISE REQUIRED TO CLEAR AREA FOR NEW WORK.
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- J. PLUMBING TO BE REMOVED TO CONCEALED AREA AND CAPPED. REFER TO ARCHITECTURAL & PLUMBING DRAWINGS FOR PLACEMENT OF NEW FIXTURES & DRAINS.
- K. ALL ELECTRICAL FIXTURES, WIRING, CONDUIT AND HOUSINGS TO BE REMOVED BACK TO ELECTRICAL PANEL. REFER TO ARCHITECTURAL & ELECTRICAL DRAWINGS FOR PLACEMENT OF NEW FIXTURES, RECEPTACLES, SWITCHES, ETC.

# DEMOLITION PLAN NOTES:

- (1) REMOVE DOOR AND FRAME.
- (2) REMOVE OVERHEAD DOOR AND ASSOCIATED
- TRACKS/EQUIPMENT. (3) REMOVE MASONRY WALL.
- (4) REMOVE STUD FRAMED WALL
- (5) REMOVE LOW MASONRY KENNEL WALL AND ASSOCIATED KENNEL FENCING/GATES.
- (6) REMOVE FINISH FLOORING.
- (7) REMOVE FINISH CEILING.
- (8) REMOVE PLUMBING FIXTURE.
- (9) REMOVE MILLWORK.
- (10) REMOVE PORTION OF WALL TO CREATE NEW OPENING.
- (11) REMOVE WINDOW.
- (12) REMOVE EXTERIOR MASONRY WALL.
- (13) REMOVE COLUMNS AND AWNING ABOVE.
- (14) REMOVE INTERIOR WALL FURRING.
- (15) REMOVE EXISTING FOOTING
- (16) EXISTING FOOTING
- (17) EXISTING COLUMN PAD FOOTING
- (18) EXISTING CONCRETE FLOOR SLAB TO REMAIN
- (19) EXISTING SANITARY PIPING SHOWN FOR REFERENCE. REFER TO PLUMBING PLANS.
- (20) NEW FLOOR DRAINS SHOWN FOR REFERENCE. REFER TO PLUMBING PLANS.
- (21) APPROXIMATE LOCATION AND SIZE OF CONCRETE FLOOR SLAB TO BE REMOVED AS NEEDED TO INSTALL NEW FLOOR DRAINS AND ASSOCIATED PIPING.
- (22) REMOVE EXISTING DOOR. FRAME TO REMAIN
- (23) REMOVE EXISTING DOMESTIC WATER HEATER

# LEGEND:

	ELEVATION SYMBOL
(X)	KEY NOTE
	EXISTING WALL
<u>  </u>	APPROXIMATE LOCATION OF EXISTING CONCRETE TO BE SAWCUT
	ITEM TO BE REMOVED
N.I.C.	NOT IN CONTRACT. NO WORK IN THIS AREA



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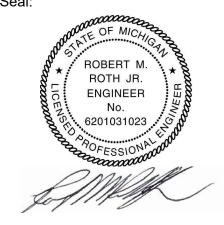
Client: City of Taylor 23555 Goddard Rd. Taylor, MI 48180

Project:

City of Taylor Animal Shelter Remodel & Expansion

25555 Northline Rd. Taylor, MI 48180

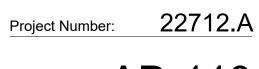
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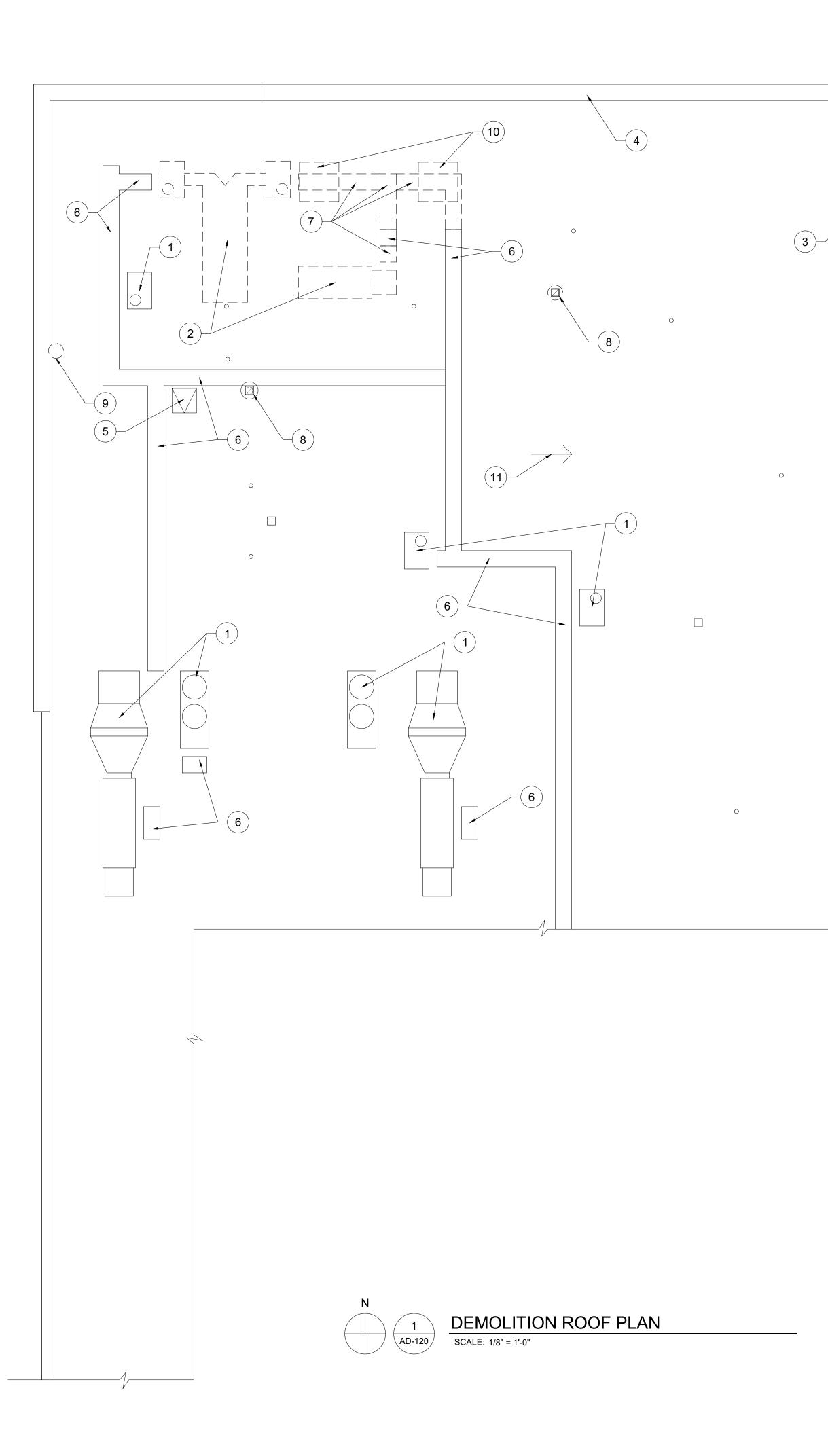
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Checked:	WD
Approved:	MR

Sheet Title: DEMOLITION FLOOR PLANS



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# **DEMOLITION ROOF PLAN NOTES:**

- 1 EXISTING RTU
- 2 EXISTING RTU TO BE REMOVED
- 3 EXISTING GUTTER
- (4) EXISTING COPING
- 5 EXISTING ROOF HATCH
- (6) EXISTING WALKWAY PADS
- (7) EXISTING WALKWAY PADS TO BE REMOVED
- (8) EXISTING EXHAUST VENT
- 9 AREA OF EXISTING ROOF TO BE REMOVED FOR INSTALLATION OF NEW EXHAUST VENT
- (10) AREA OF EXISTING ROOF TO BE DEMOLISHED FOR INSTALLATION OF NEW SKYLIGHT
- (11) EXISTING ROOF SLOPE DOWN



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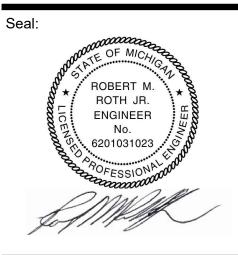


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# Project:

City of Taylor Animal Shelter Remodel & Expansion

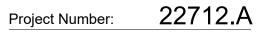
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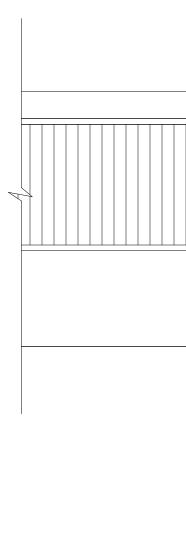
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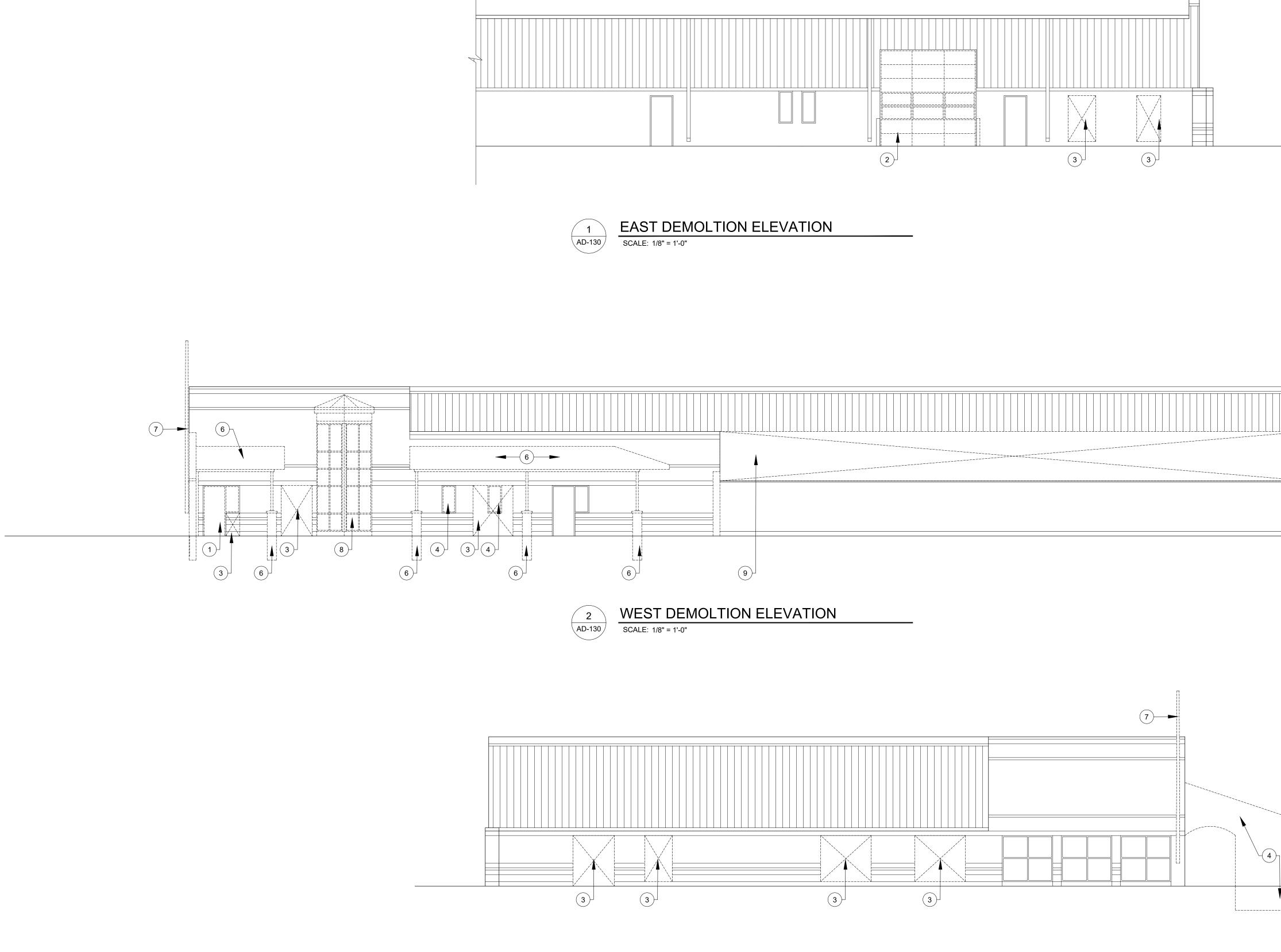
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Checked:	WD
Approved:	MR

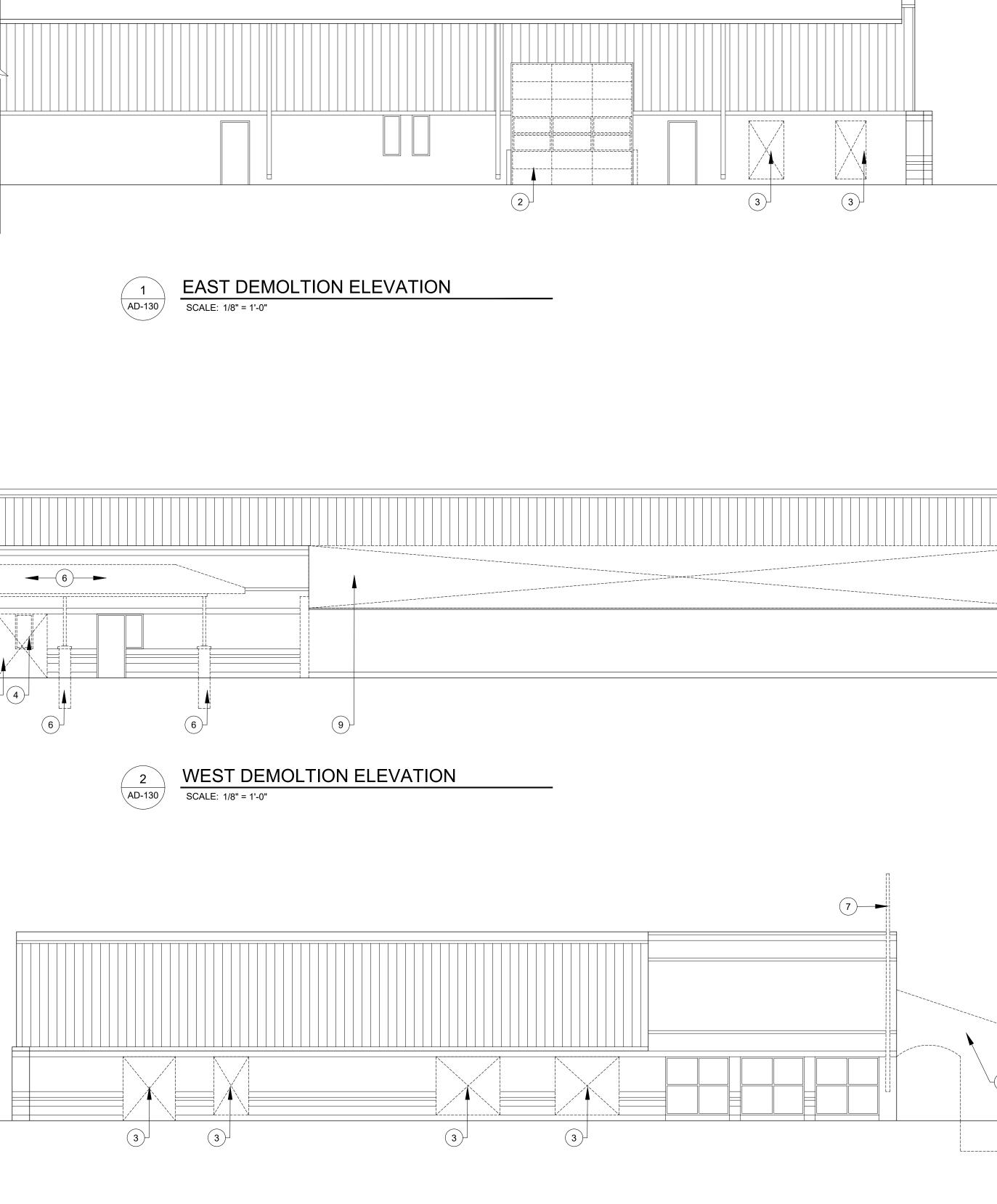
Sheet Title: DEMOLITION **ROOF PLAN** 











3 \ AD-130 /

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

# GENERAL DEMOLITION NOTES:

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# DEMOLITION ELEVATION NOTES:

- (1) REMOVE DOOR AND FRAME.
- (2) REMOVE OVERHEAD DOOR AND ASSOCIATED TRACKS/EQUIPMENT.
- (3) REMOVE PORTION OF WALL TO CREATE NEW OPENING.
- (4) REMOVE WINDOW.
- (5) REMOVE EXTERIOR MASONRY WALL AND ASSOCIATED FOOTING.
- (6) REMOVE COLUMNS AND AWNING ABOVE.
- 7 REMOVE AND RELOCATE WALL MOUNTED FLAG POLE.
- (8) REMOVE CURTAIN WALL WINDOW SYSTEM.
- (9) REMOVE PORTION OF EXISTING METAL SIDING TO A HEIGHT OF 12" ABOVE THE NEW T.O.S. DECK ELEVATION

# LEGEND:

\_ \_ \_ \_ \_ \_ \_ 

ITEM TO BE REMOVED

KEY NOTE



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Project:

City of Taylor Animal Shelter Remodel & Expansion

25555 Northline Rd. Taylor, MI 48180



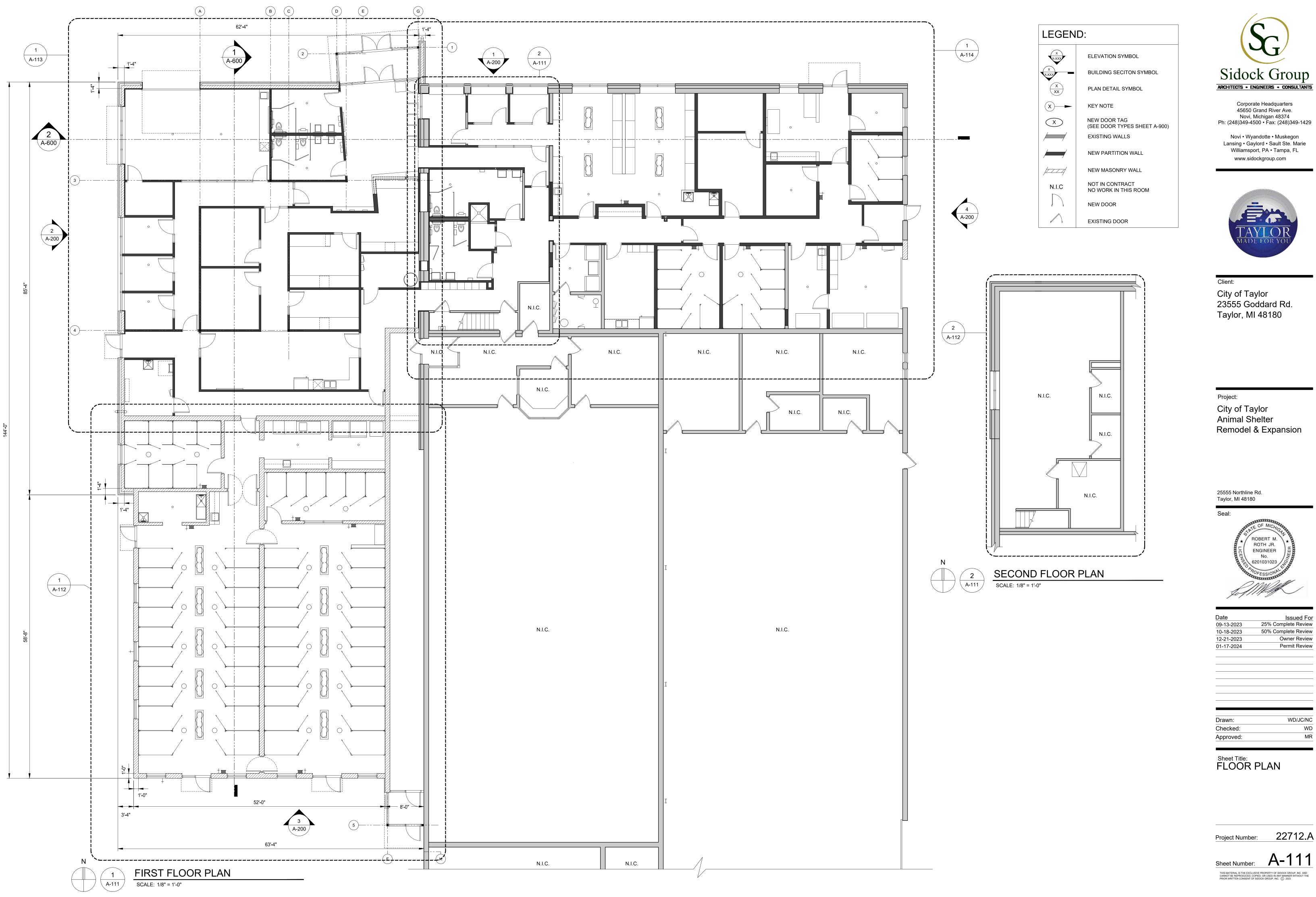
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1-17-2024	Permit Revie

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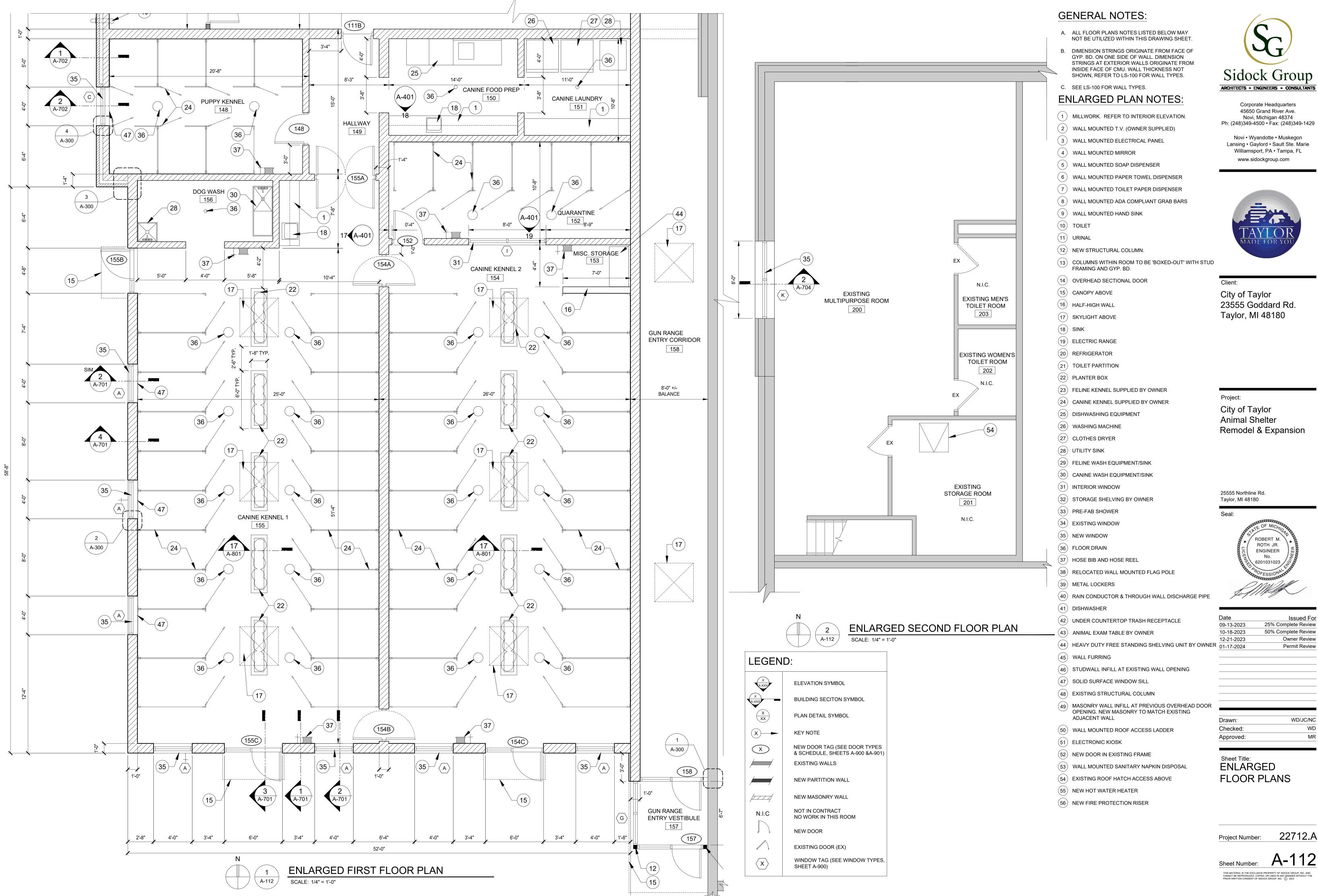
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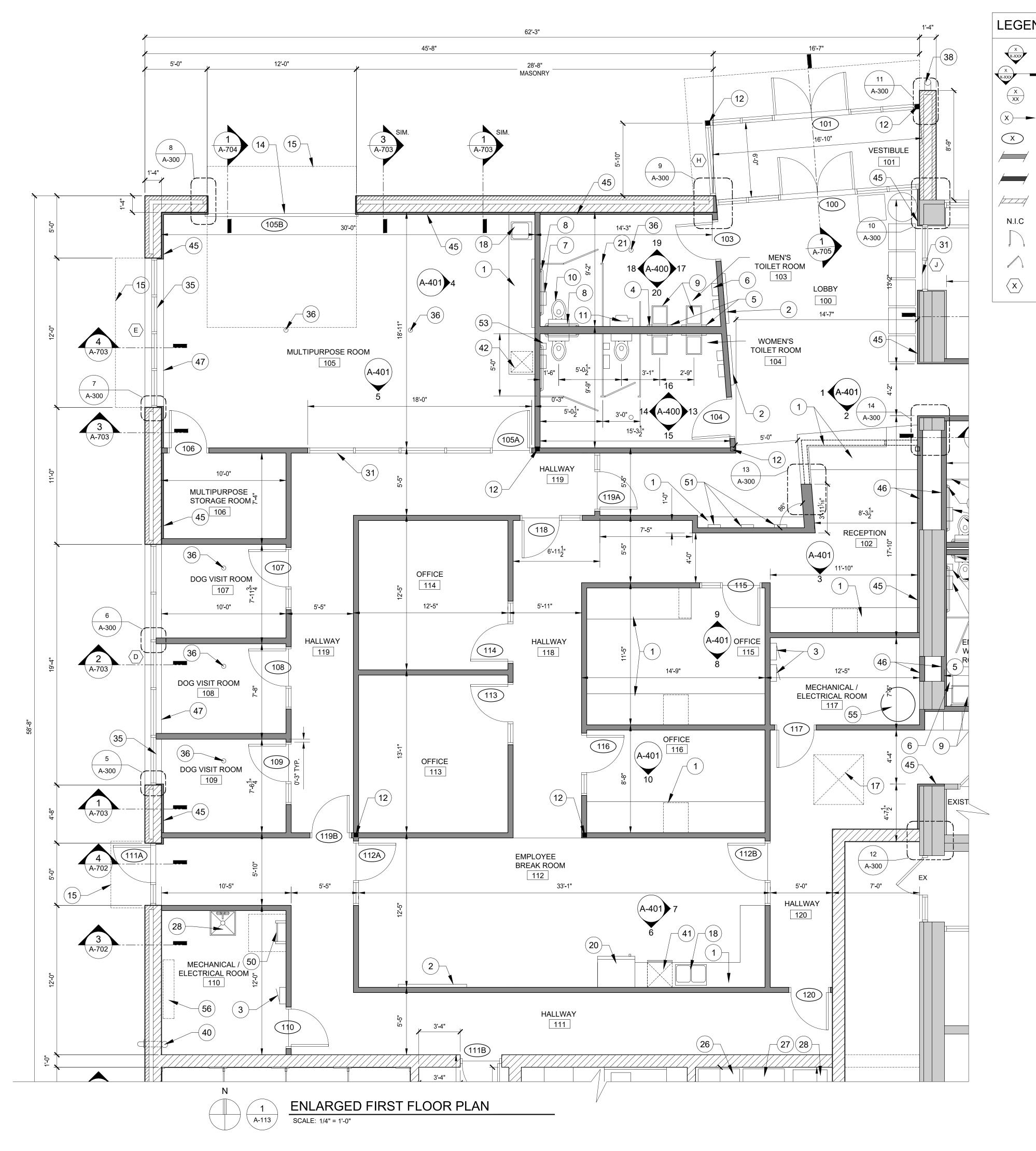




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Approved:	MR





# LEGEND:

ELEVATION SYMBOL

BUILDING SECITON SYMBOL

- PLAN DETAIL SYMBOL
- KEY NOTE

NEW DOOR TAG (SEE DOOR TYPES & SCHEDULE, SHEETS A-900 & A-901) EXISTING WALLS

- NEW PARTITION WALL
- NEW MASONRY WALL
- NOT IN CONTRACT NO WORK IN THIS ROOM
- NEW DOOR
- EXISTING DOOR (EX)

WINDOW TAG (SEE WINDOW TYPES, SHEET A-900)

- A. ALL FLOOR PLANS NOTES LISTED BELOW MAY NOT BE UTILIZED WITHIN THIS DRAWING SHEET.
- B. DIMENSION STRINGS ORIGINATE FROM FACE OF GYP. BD. ON ONE SIDE OF WALL. DIMENSION STRINGS AT EXTERIOR WALLS ORIGINATE FROM INSIDE FACE OF CMU. WALL THICKNESS NOT SHOWN, REFER TO LS-100 FOR WALL TYPES.

C. SEE LS-100 FOR WALL TYPES.

# **ENLARGED PLAN NOTES:**

- (1) MILLWORK. REFER TO INTERIOR ELEVATION.
- (2) WALL MOUNTED T.V. (OWNER SUPPLIED)
- (3) WALL MOUNTED ELECTRICAL PANEL
- (4) WALL MOUNTED MIRROR
- (5) WALL MOUNTED SOAP DISPENSER
- (6) WALL MOUNTED PAPER TOWEL DISPENSER
- (7) WALL MOUNTED TOILET PAPER DISPENSER
- (8) WALL MOUNTED ADA COMPLIANT GRAB BARS
- (9) WALL MOUNTED HAND SINK
- (10) TOILET
- (11) URINAL
- (12) NEW STRUCTURAL COLUMN.
- (13) COLUMNS WITHIN ROOM TO BE 'BOXED-OUT' WITH STUD FRAMING AND GYP. BD.
- (14) OVERHEAD SECTIONAL DOOR
- (15) CANOPY ABOVE
- (16) HALF-HIGH WALL
- (17) SKYLIGHT ABOVE
- (18) SINK
- (19) ELECTRIC RANGE
- (20) REFRIGERATOR
- (21) TOILET PARTITION
- (22) PLANTER BOX
- (23) FELINE KENNEL SUPPLIED BY OWNER
- (24) CANINE KENNEL SUPPLIED BY OWNER
- (25) DISHWASHING EQUIPMENT
- (26) WASHING MACHINE
- (27) CLOTHES DRYER
- (28) UTILITY SINK
- (29) FELINE WASH EQUIPMENT/SINK
- (30) CANINE WASH EQUIPMENT/SINK
- (31) INTERIOR WINDOW
- (32) STORAGE SHELVING BY OWNER
- (33) PRE-FAB SHOWER
- (34) EXISTING WINDOW
- (35) NEW WINDOW
- (36) FLOOR DRAIN
- (37) HOSE BIB AND HOSE REEL
- (38) RELOCATED WALL MOUNTED FLAG POLE
- (39) METAL LOCKERS
- (40) RAIN CONDUCTOR & THROUGH WALL DISCHARGE PIPE
- (41) DISHWASHER
- (42) UNDER COUNTERTOP TRASH RECEPTACLE
- (43) ANIMAL EXAM TABLE BY OWNER
- (44) HEAVY DUTY FREE STANDING SHELVING UNIT BY OWNER
- (45) WALL FURRING
- (46) STUDWALL INFILL AT EXISTING WALL OPENING
- (47) SOLID SURFACE WINDOW SILL
- (48) EXISTING STRUCTURAL COLUMN
- (49) MASONRY WALL INFILL AT PREVIOUS OVERHEAD DOOR OPENING. NEW MASONRY TO MATCH EXISTING ADJACENT WALL
- (50) WALL MOUNTED ROOF ACCESS LADDER
- (51) ELECTRONIC KIOSK
- (52) NEW DOOR IN EXISTING FRAME
- (53) WALL MOUNTED SANITARY NAPKIN DISPOSAL
- (54) EXISTING ROOF HATCH ACCESS ABOVE
- (55) NEW HOT WATER HEATER
- (56) NEW FIRE PROTECTION RISER



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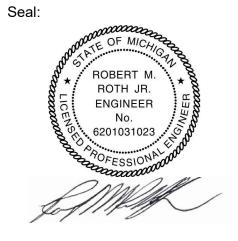
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Project:

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Taylor, MI 48180

25555 Northline Rd.



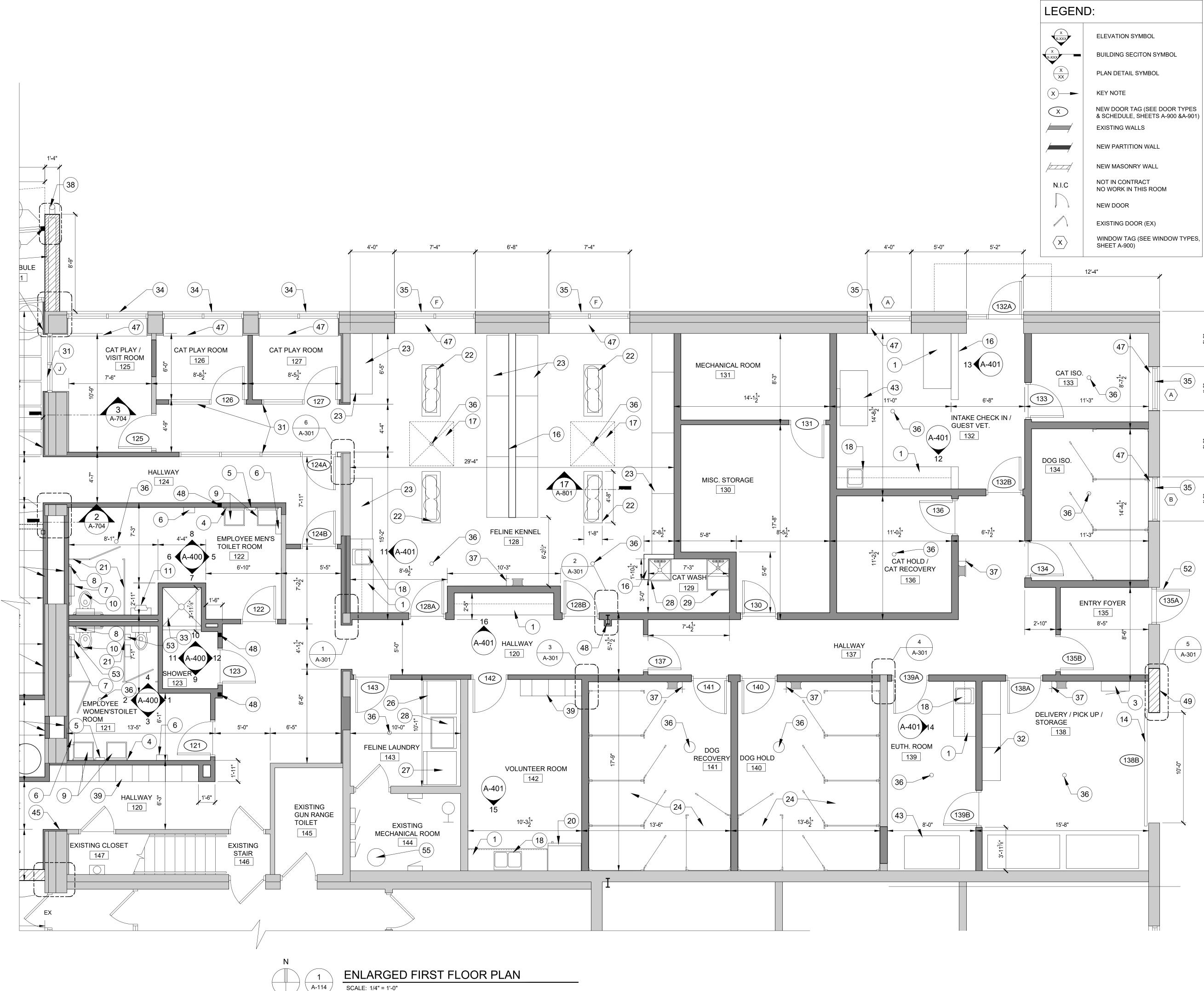
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Sheet Title: ENLARGED FLOOR PLANS



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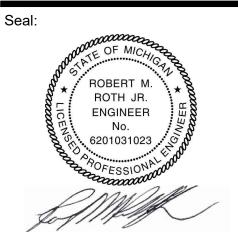


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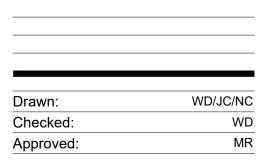
Project:

# City of Taylor Animal Shelter Remodel & Expansion

25555 Northline Rd. Taylor, MI 48180



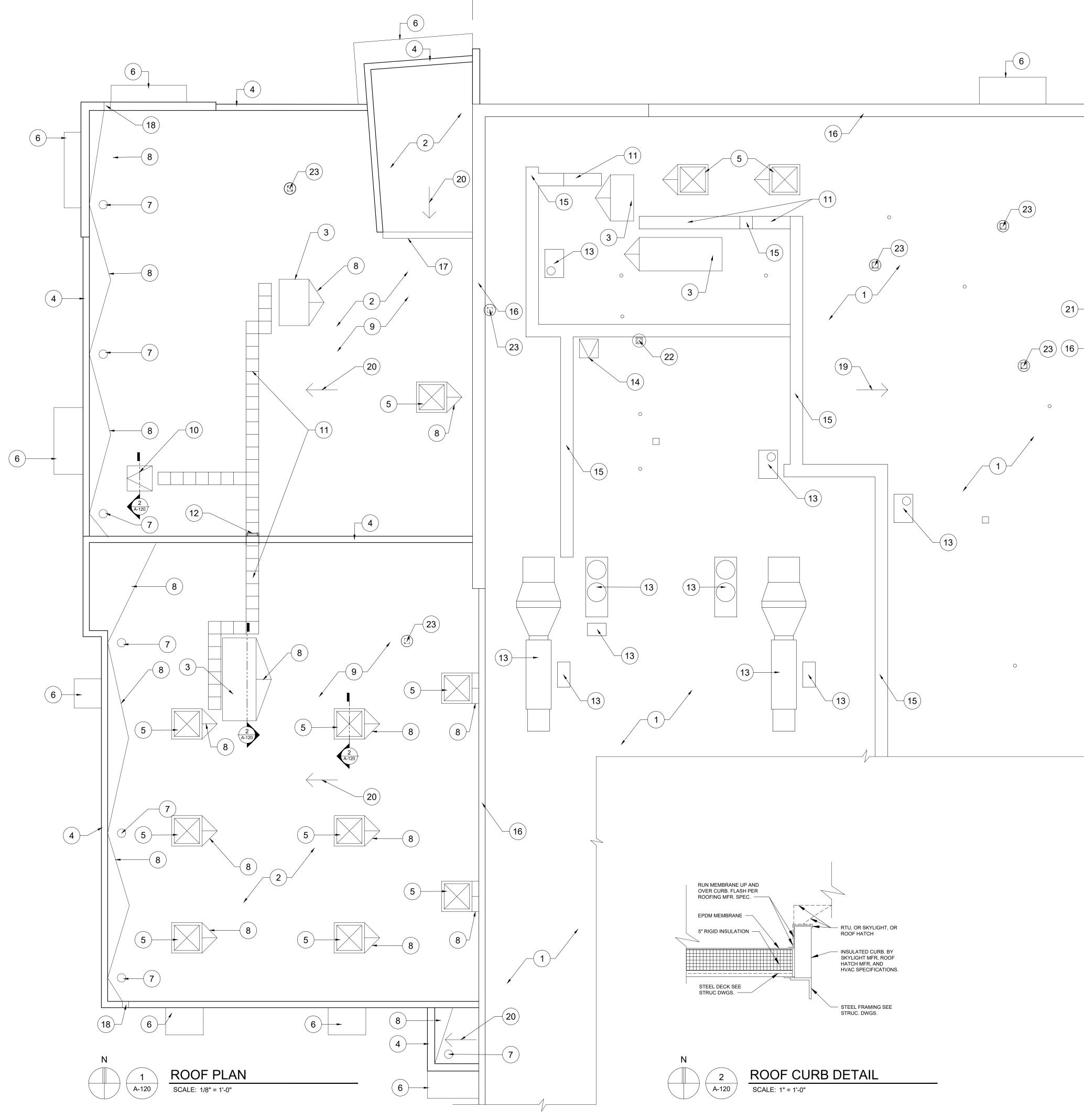
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# **GENERAL NOTES:**

- A. NEW ROOFING SYSTEM CONSISTS OF EPDM MEMBRANE ON 5" RIGID INSULATION ON SLOPED STRUCTURAL DECK. ROOF SADDLES TO BE COMPRISED OF TAPERED INSULATION.
- B. NEW ROOFING SYSTEM IS TO BE INSTALLED PER THE MFR. SPECIFICATIONS AS REQUIRED TO MEET PRODUCT WARRANTY GUIDELINES. THIS WOULD INCLUDE THE FOLLOWING DETAILS: LAPS, SEAMS, PIPE PENETRATIONS, ROOF CURB TERMINATIONS, PARAPET WALL TERMINATIONS, PRESSURE BARS, SADDLES, AND ALL REQUIRED FASTENERS/ADHESIVES/SEALANTS/CAULKS.
- C. ROOFING CONTRACTOR IS REQUIRED TO BE A CERTIFIED INSTALLER OF THE FINAL ROOFING PRODUCT/MFR. SELECTION.
- D. REFER TO STRUCTURAL, MECHANICAL, AND PLUMBING PLANS FOR ADDITIONAL INFORMATION REGARDING ROOF PENETRATIONS & OPENINGS.
- E. REFER TO WALL SECTIONS FOR COPING DETAILS.
- F. THE CONTRACTOR SHALL COORDINATE STRUCTURAL STEEL OPENING SIZES W/ ALL ROOF CURB SIZES PRIOR TO COMMENCEMENT OF WORK.
- G. REFER TO A-900 FOR PRODUCT INFORMATION. PRODUCTS INCLUDE SKYLIGHTS, ROOF HATCH, & ROOF ACCESS LADDERS.

# ROOF PLAN NOTES:

(1) EXISTING ROOFING TO REMAIN

- 2 NEW EDPM MEMBRANE ROOFING AND RIGID INSULATION
- 3 NEW RTU AND CURB. SEE MECHANICAL DRAWINGS.
- (4) NEW COPING AT PARAPET WALL. SEE WALL SECTIONS.
- 5 NEW SKYLIGHT AND CURB. SEE STRUCTURAL PLANS FOR EXACT LOCATION.
- 6 NEW CANOPY BELOW
- 7 NEW ROOF DRAIN
- 8 NEW TAPERED INSULATION ROOF SADDLE
- (9) NEW ROOF STRUCTURE TO SLOPE TO DRAINS. SEE STRUCTURAL DRAWINGS.
- (10) NEW ROOF HATCH WITH INTEGRAL CURB.
- (11) NEW EDPM WALKWAY PADS
- (12) NEW ROOF ACCESS LADDER
- (13) EXISTING HVAC EQUIPMENT
- (14) EXISTING ROOF ACCESS HATCH
- (15) EXISTING WALKING PADS
- (16) EXISTING COPING
- (17) NEW GUTTER
- (18) NEW THROUGH WALL OVERFLOW SCUPPER
- (19) EXISTING ROOF SLOPE DOWN
- (20) NEW ROOF SLOPE DOWN
- (21) EXISTING GUTTER
- (22) EXISTING EXHAUST VENT
- (23) NEW EXHAUST VENT



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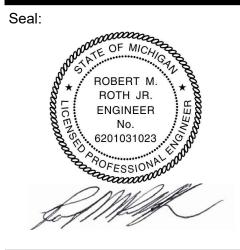
# Client:

City of Taylor 23555 Goddard Rd. Taylor, MI 48180

# Project:

City of Taylor Animal Shelter Remodel & Expansion

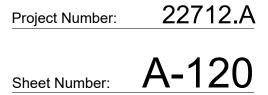
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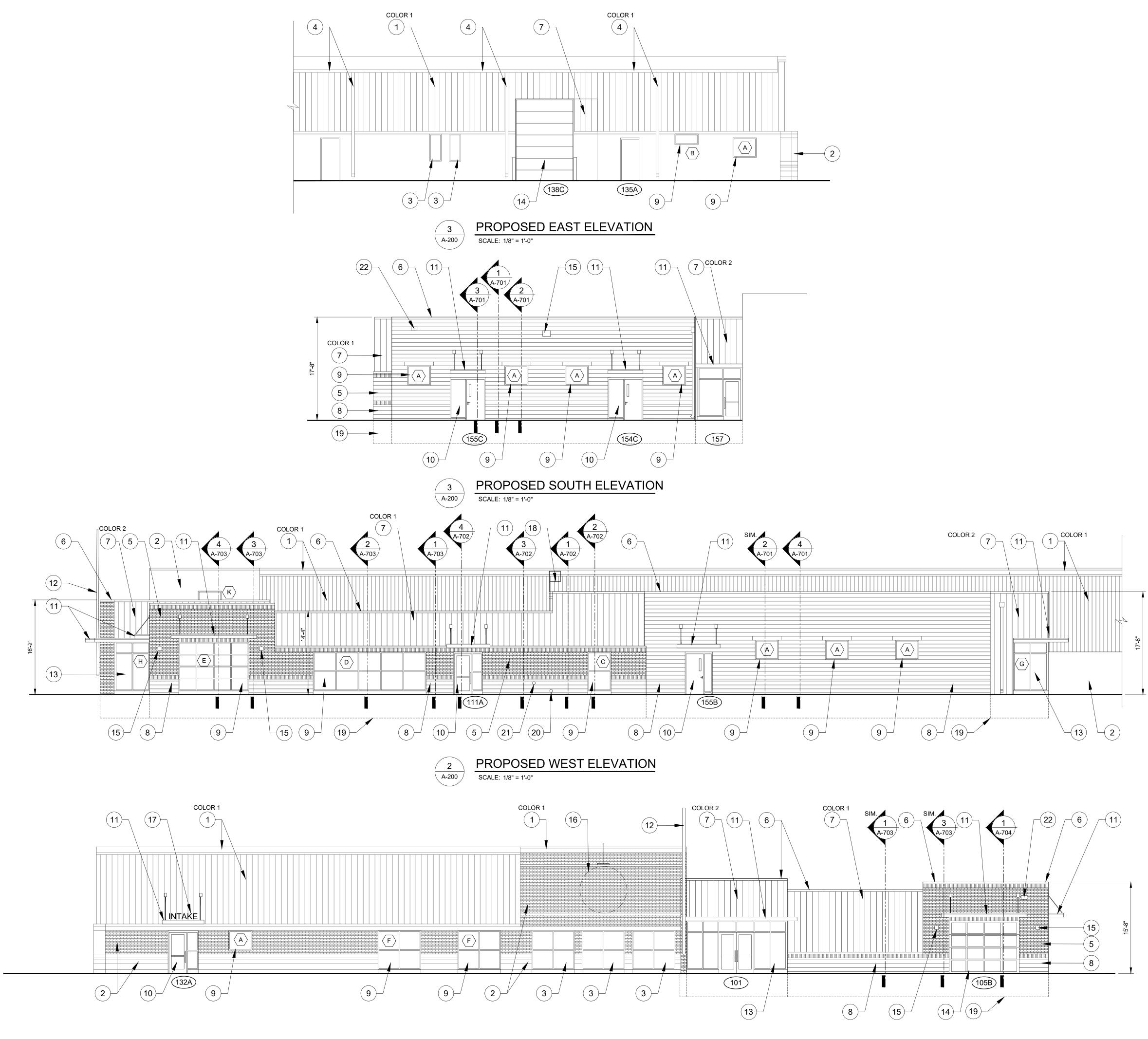
Date	Issued For
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10-18-2023	50% Complete Review
12-21-2023	Owner Review
01-17-2024	Permit Review

Drawn:	WD/JC/NC
Checked:	WD
Approved:	MR

Sheet Title: ROOF PLAN



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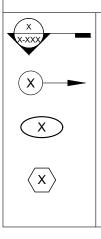


1 A-200

PROPOSED NORTH ELEVATION

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

# LEGEND:



KEY NOTE NEW DOOR TAG

BUILDING SECITON SYMBOL

(SEE SHEET A-900 FOR MORE INFO.)

NEW WINDOW TAG (SEE SHEET A-900 FOR MORE INFO.)

# **GENERAL NOTES:**

- A. REFER TO SHEET A-901 FOR EXTERIOR MATERIAL INFORMATION.
- B. NEW SPLIT-FACE BLOCK TO MATCH EXISTING.
- C. NEW FACBRICK TO MATCH EXISTING.
- D. NEW METAL SIDING PROFILE TO MATCH EXISTING. AT COLOR 1 LOCATIONS.
- E. NEW METAL SIDING TO BE FLUSH PANEL PROFILE AT COLOR 2 LOCATIONS.

# **ELEVATION KEY NOTES:**

- 1 EXISTING METAL SIDING AND COPING (TO BE PAINTED) (SEE A-901)
- 2 EXISTING MASONRY (TO BE POWER WASHED)
- 3 EXISTING WINDOW
- 4 EXISTING GUTTER & DOWNSPOUT (TO BE PAINTED)
- 5 NEW FACEBRICK VENEER TO MATCH EXISTING (SEE A-901)
- 6 NEW METAL COPING THROUGHOUT
- 7 NEW METAL SIDING COLOR 1 & COLOR 2 (SEE A-901)
- 8 NEW SPLIT-FACE BLOCK TO MATCH EXISTING
- 9 NEW WINDOW
- (10) NEW DOOR
- (11) NEW METAL CANOPY
- (12) RELOCATED WALL MOUNTED FLAG POLE
- (13) NEW STOREFRONT SYSTEM
- (14) NEW OVERHEAD SECTIONAL DOOR
- 15 NEW WALL MOUNTED LIGHT FIXTURE
- (16) LOCATION OF NEW WALL MOUNTED SIGN
- (17) NEW METAL LETTERING FIXED TO CANOPY
- (18) NEW ROOF ACCESS LADDER
- (19) LINE OF NEW FOOTING
- 20) NEW BRASS 'COWS TONGUE' DOWNSPOUT
- 1) NEW FIRE DEPARTMENT CONNECTION (FDC)
- (22) NEW THROUGH-WALL OVERFLOW SCUPPER



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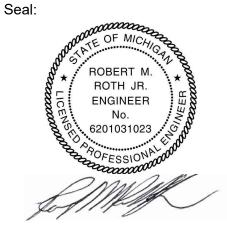


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Project:

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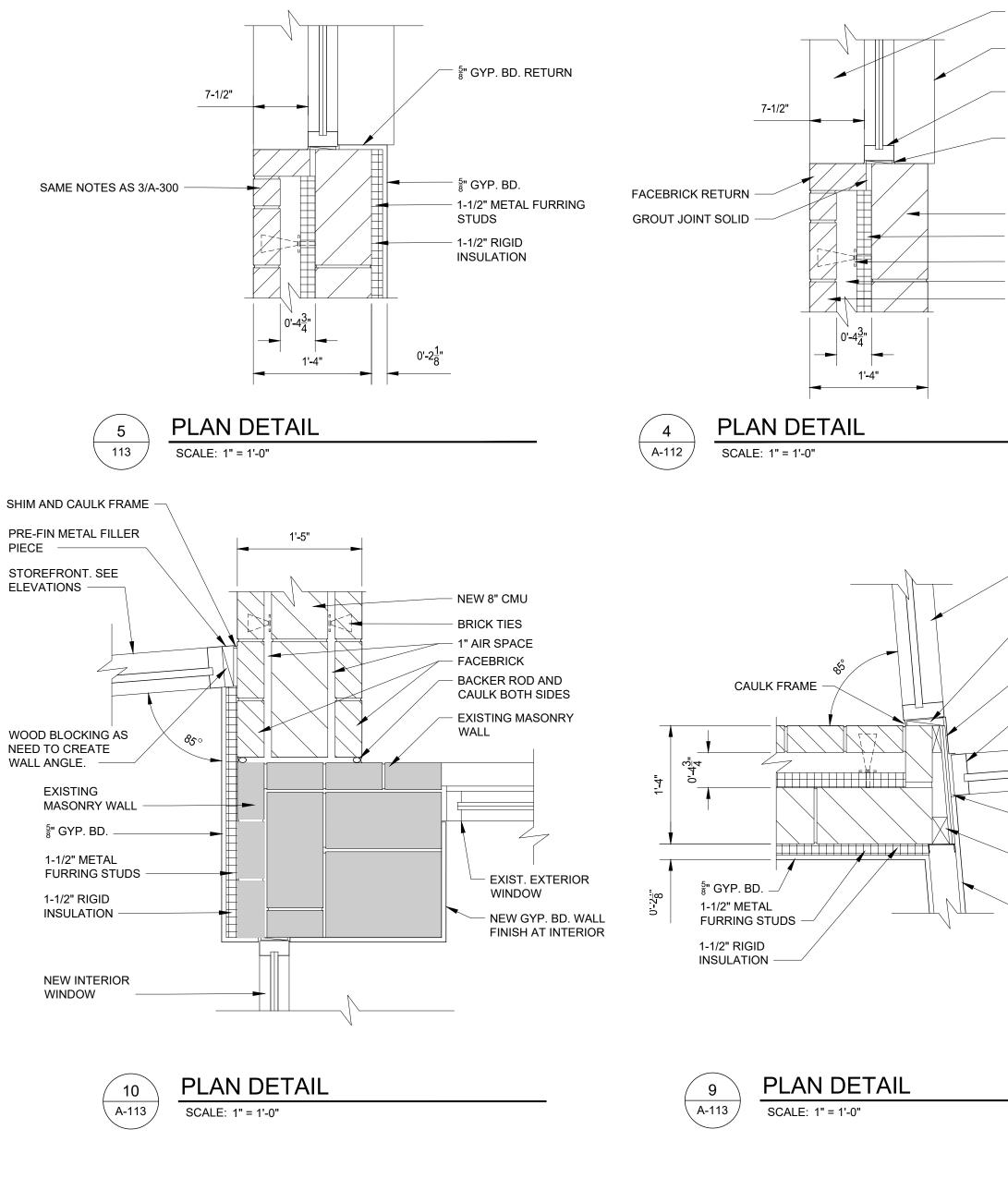


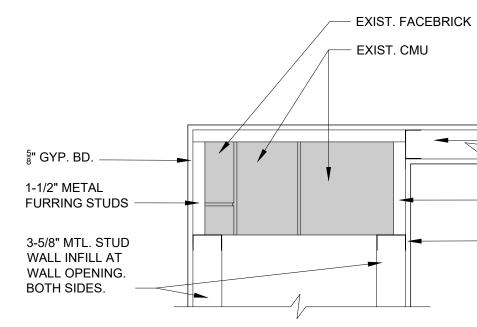
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Approved:	MR

# Sheet Title: ELEVATIONS

Project Number: 22712.A









PRE-FIN METAL WINDOW WASH BELOW

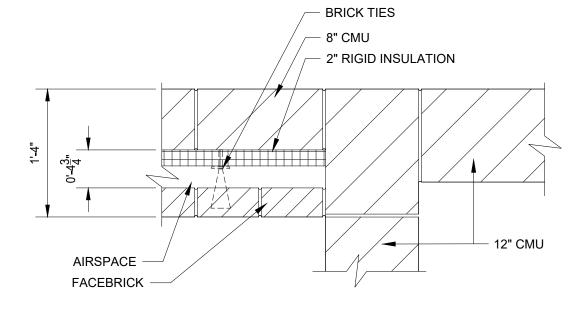
- LINE OF WINDOW SILL BELOW

ALUMINUM WINDOW FRAME

- SHIM AND CAULK WINDOW FRAME/JAMBS

- 8" CMU 2" RIGID INSULATION

- BRICK TIES - AIR SPACE - FACEBRICK

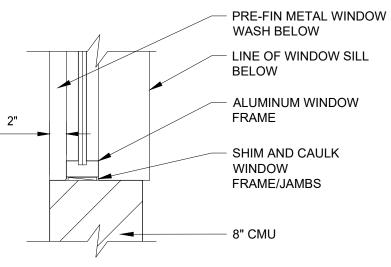


PLAN DETAIL

SCALE: 1" = 1'-0"

3 `

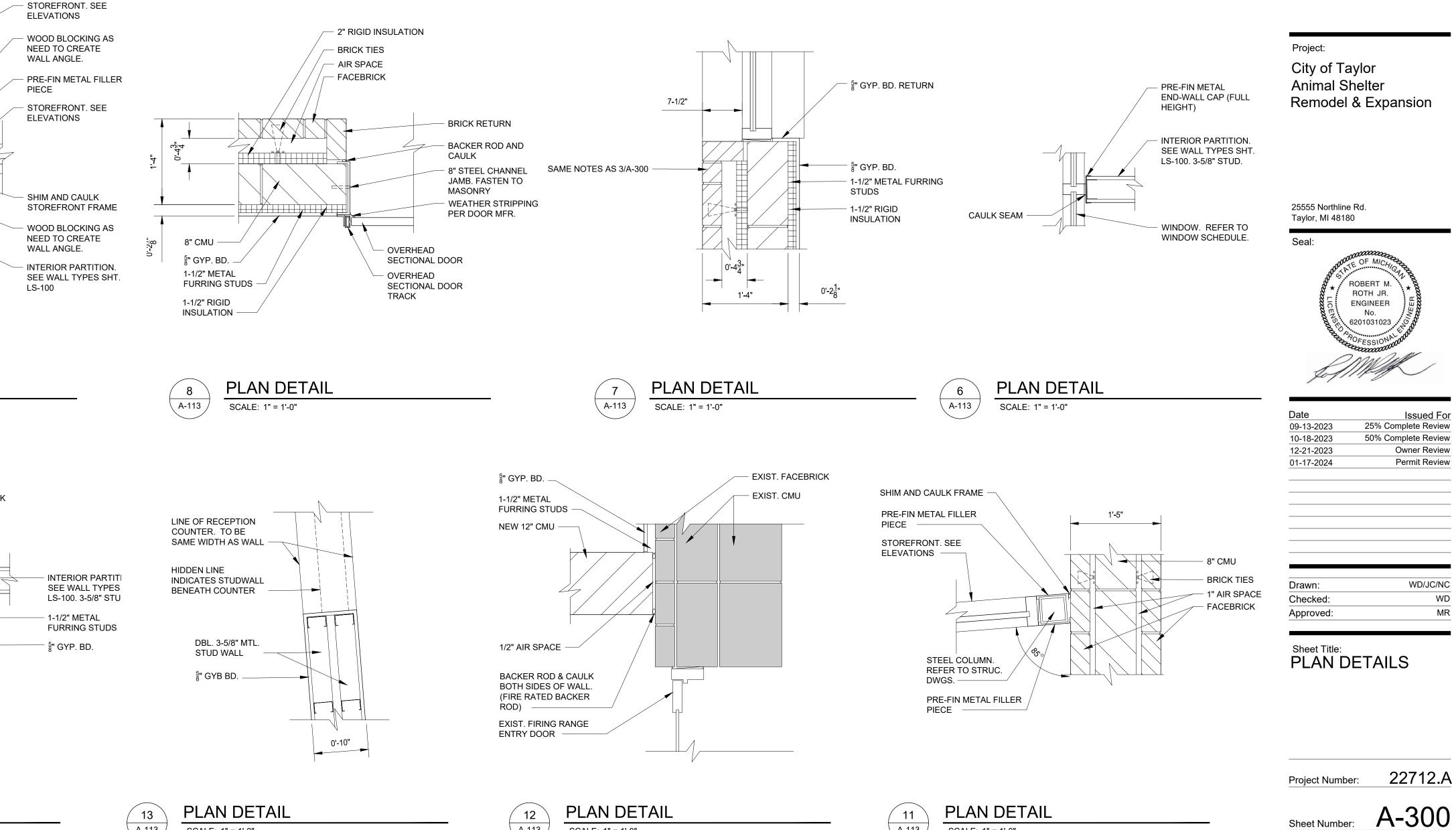
A-112



PLAN DETAIL 2 A-112 SCALE: 1" = 1'-0"

SCALE: 1" = 1'-0"

A-113



A-113

SCALE: 1" = 1'-0"

# **GENERAL NOTES:**

- A. REFER TO LS-100 WALL TYPE INFORMATION. WALL CAVITY INSULATION NOT SHOWN THIS SHEET.
- B. REFER TO STRUCTURAL DRAWINGS FOR MASONRY WALL INFORMATION.



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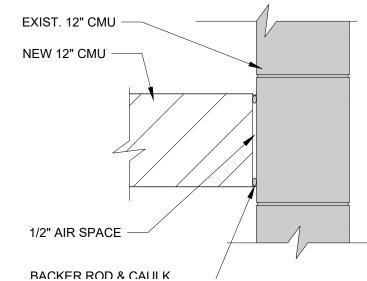
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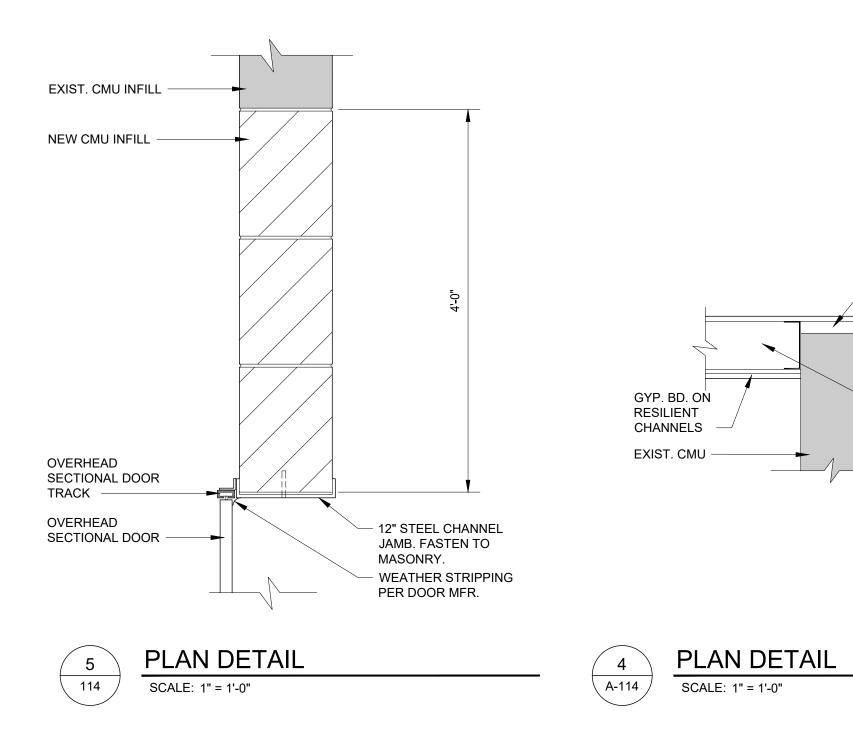


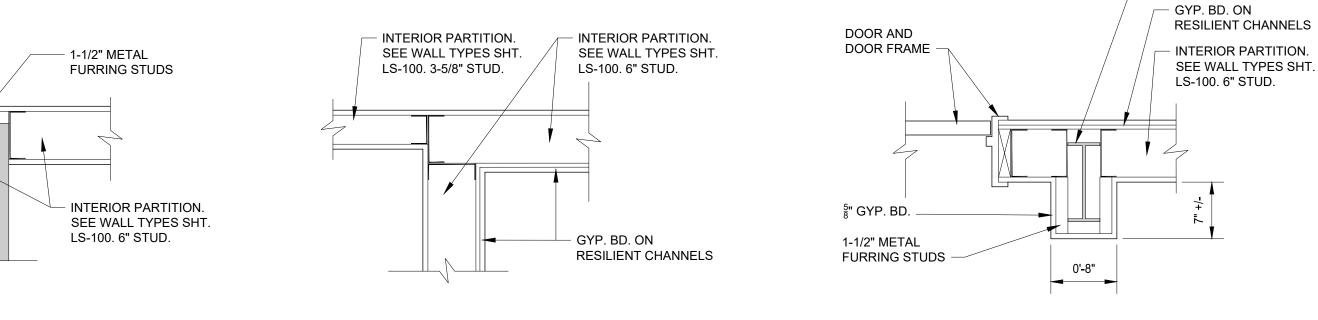


PLAN DETAIL SCALE: 1" = 1'-0"

SCALE: 1" = 1'-0"

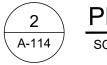
A-113 /











PLAN DETAIL SCALE: 1" = 1'-0"

# **GENERAL NOTES:**

A. REFER TO LS-100 WALL TYPE INFORMATION. WALL CAVITY INSULATION NOT SHOWN THIS SHEET.

- GYP. BD. ON

RESILIENT CHANNELS

- INTERIOR PARTITION.

SEE WALL TYPES SHT.

LS-100. 6" STUD.

B. REFER TO STRUCTURAL DRAWINGS FOR MASONRY WALL INFORMATION.



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3-5/8" MTL. STUD

WALL INFILL AT WALL OPENING.

BOTH SIDES.

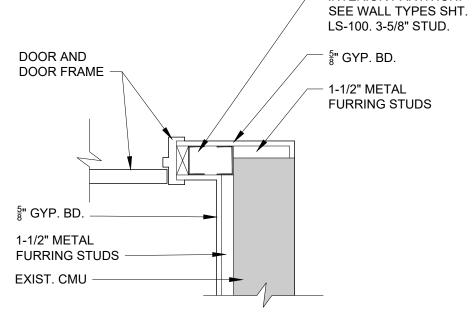
EXIST. CMU -

<sup>5</sup>/<sub>8</sub>" GYP. BD. –

1-1/2" METAL

FURRING STUDS -

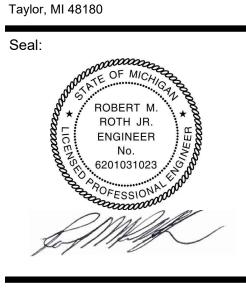
- EXIST. STEEL COLUMN



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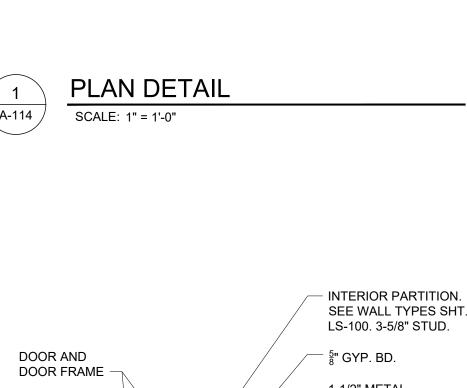
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1'-0"

-



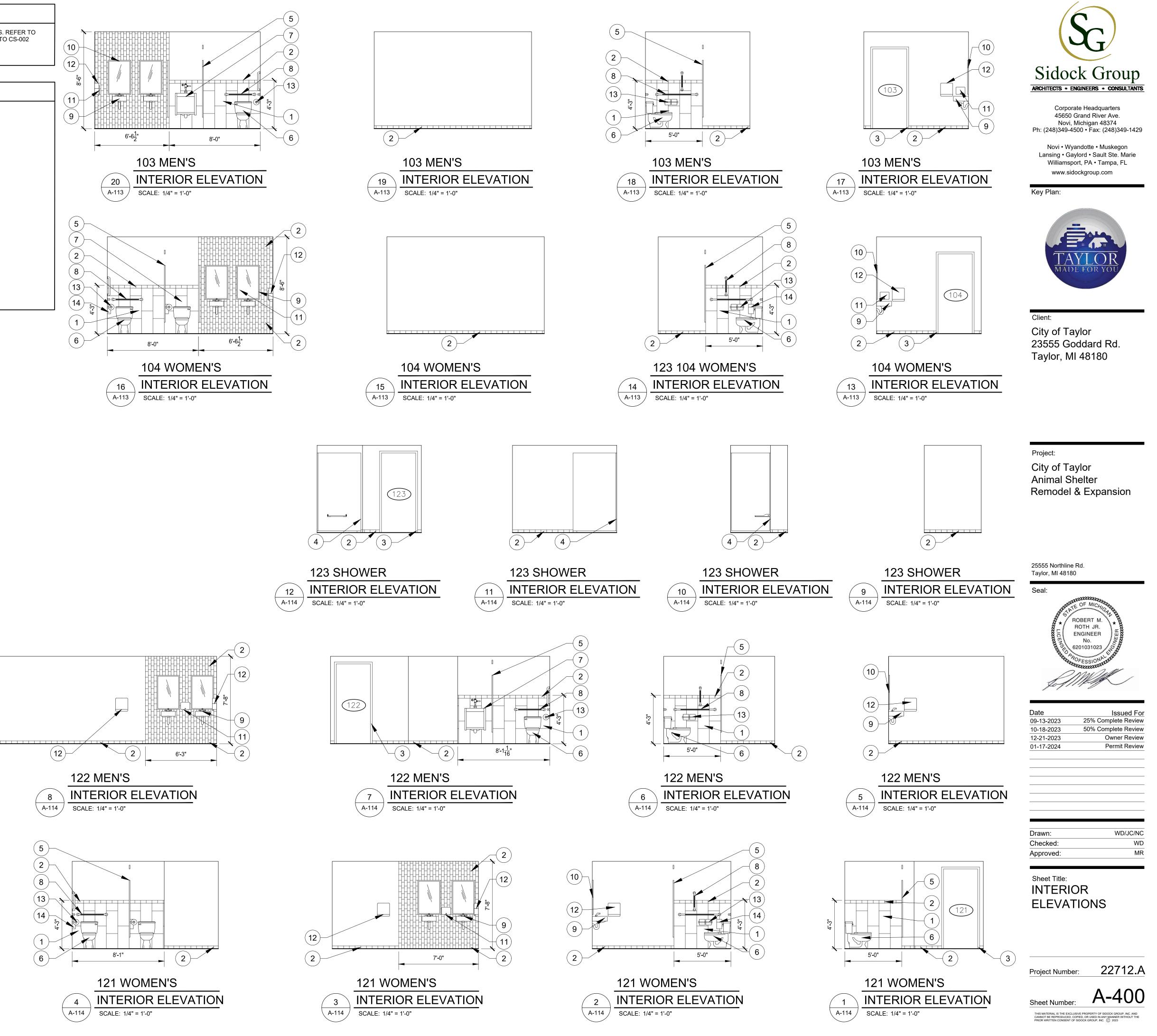
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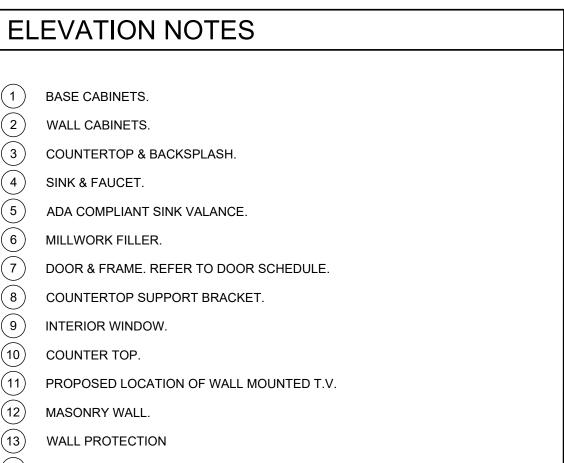
# **GENERAL NOTES**

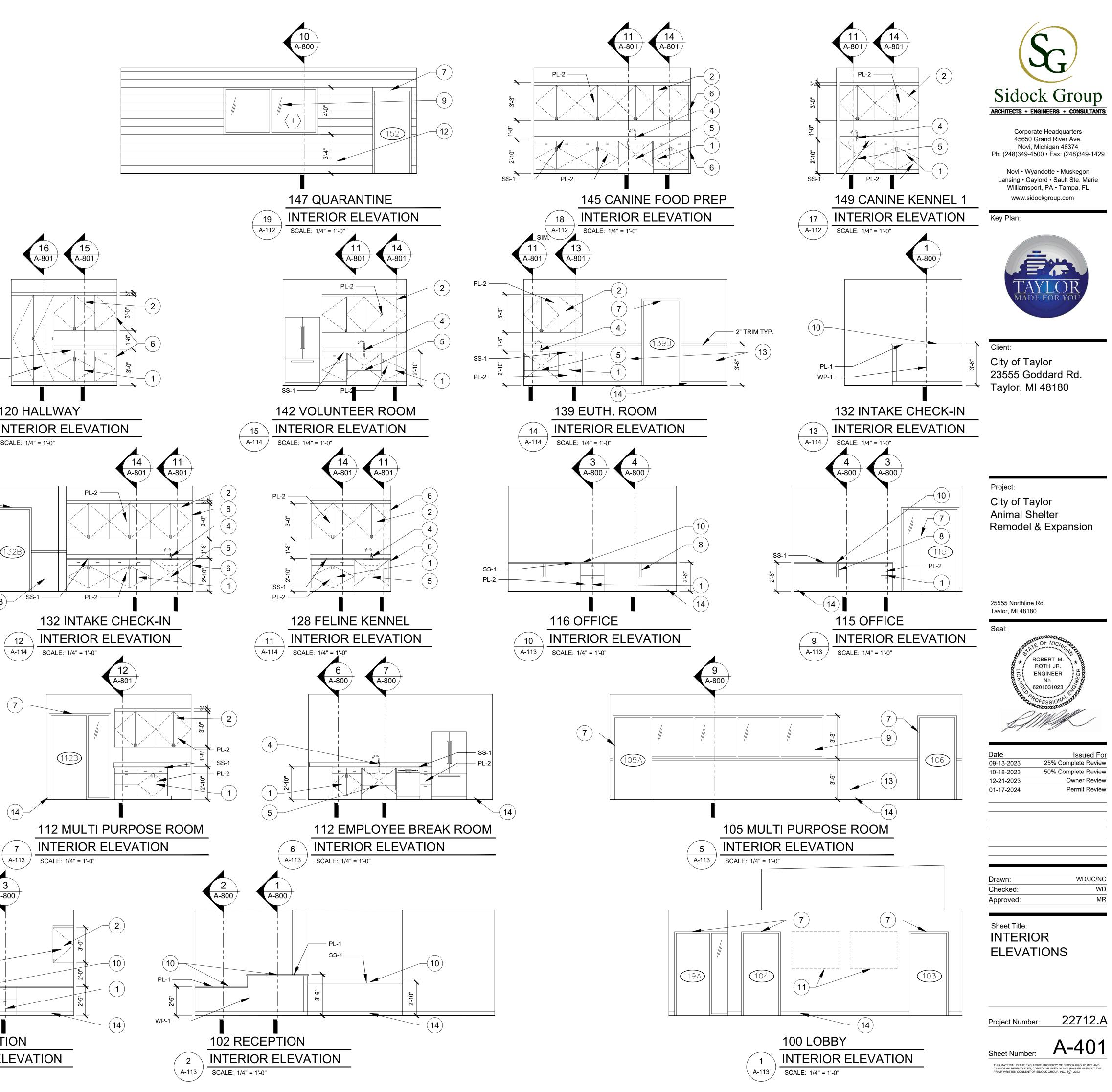
- A. ELECTRICAL OUTLETS & SWITCHES NOT SHOWN ON ELEVATIONS. REFER TO ELECTRICAL PLANS FOR LOCATIONS OF SUCH DEVICES. REFER TO CS-002 FOR TYPICAL MOUNTING HEIGHTS.
- B. REFER TO ROOM SCHEDULE FOR WALL FINISHES.

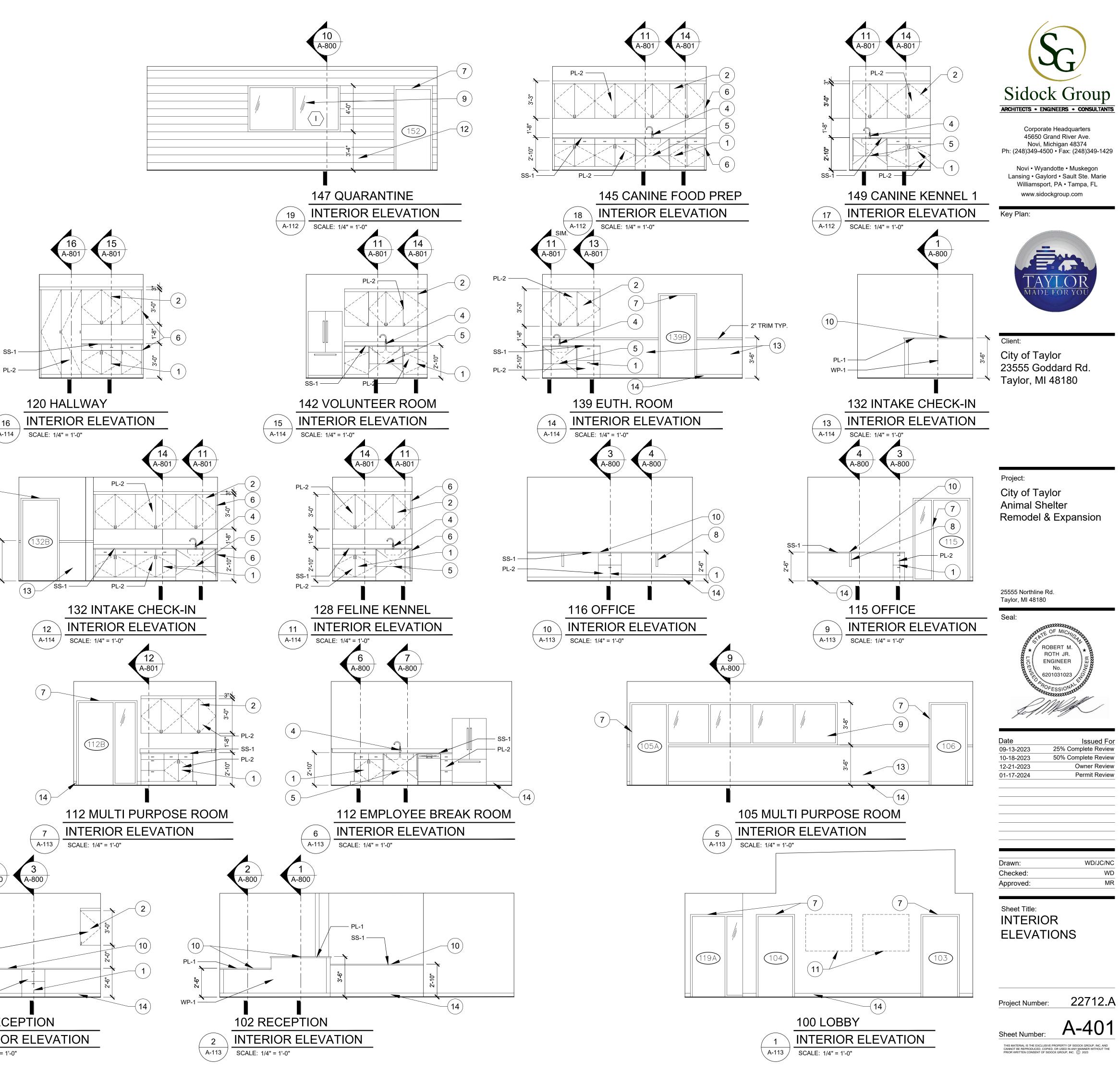
# **ELEVATION NOTES**

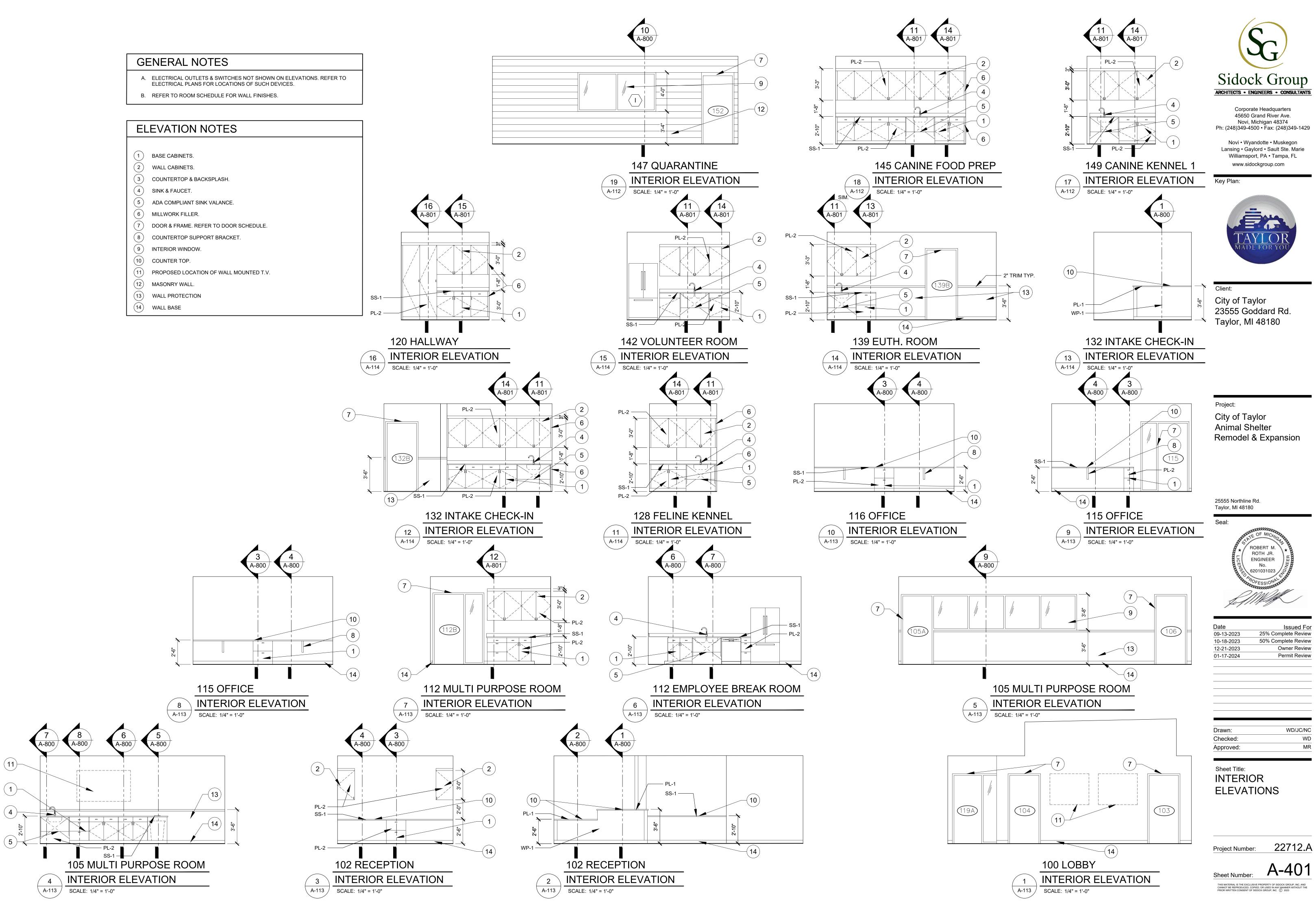
- 1 2'-0" X 1'-0" WALL TILE
- 2 0'-3" X 0'-6" WALL TILE
- 3 DOOR & FRAME. REFER TO DOOR SCHEDULE
- 4 PREFAB SHOWER
- 5 TOILET PARTITIONS
- 6TOILET7URINAL
- (8) GRAB BARS
- 9 SINK
- 10 MIRROR
- (11) SOAP DISPENSER
- (12) PAPER TOWEL DISPENSER
- 13 TOILET PAPER DISPENSER
- (14) SANITARY NAPKIN DISPOSAL

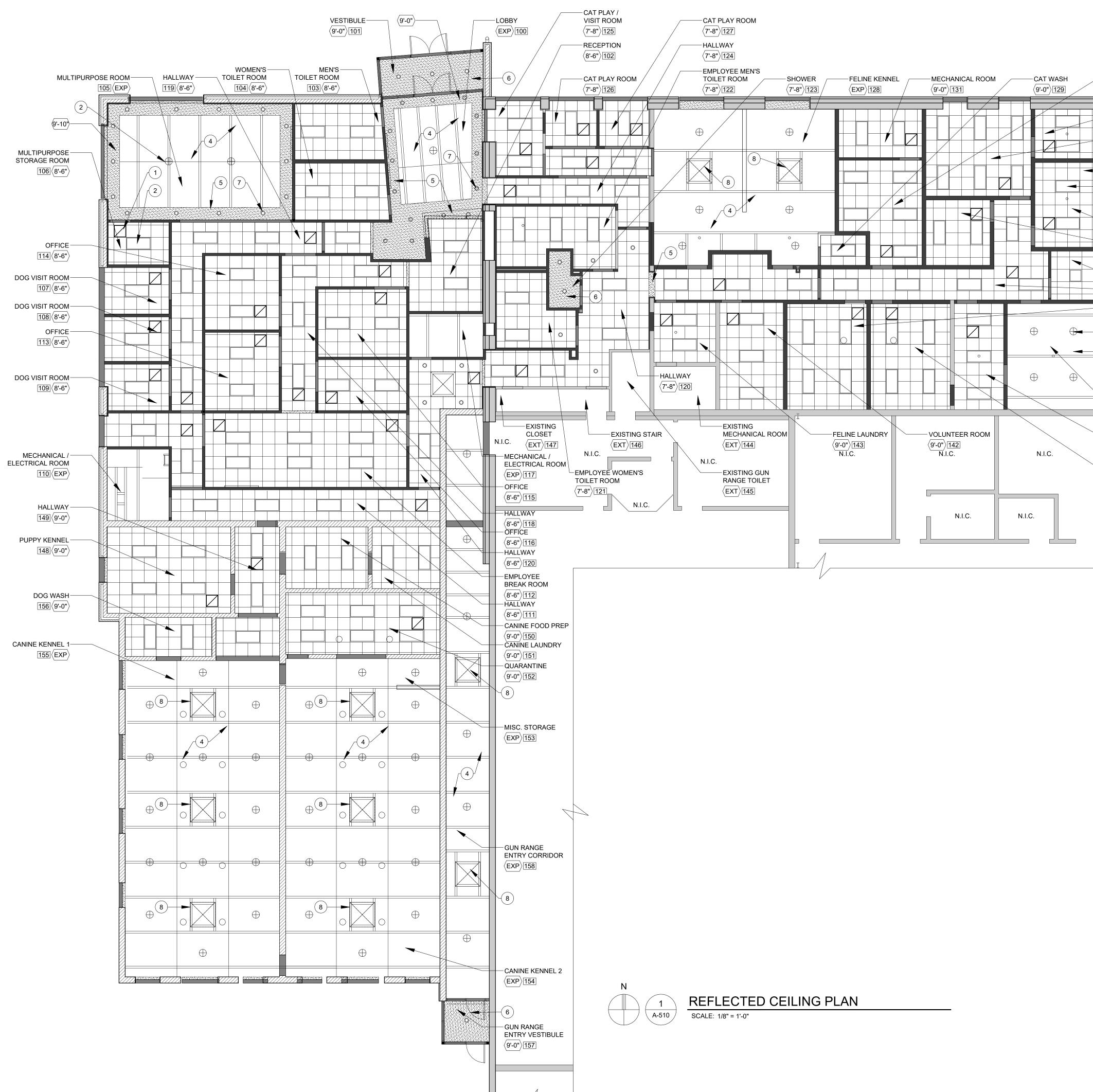












				UG -
	——MISC. STORAGE			Sidock Group
_	<pre></pre> (9'-0") 130	REFLEC	TED CEILING PLAN NOTES:	ARCHITECTS + ENGINEERS + CONSULTANTS
	CAT ISO. $\langle 9'-0" \rangle 133$ INTAKE CHECK-IN / GUEST VET $\langle 9'-0" \rangle 132$ 1 2	12x2 LAY-II22x4 LAY-II3PENDANT4EXPOSED5GYP. BOA	N CEILING SYSTEM (TYP.) N LIGHT FIXTURE (TYP.) MOUNTED LIGHT FIXTURE (TYP.) ROOF FRAMING STRUCTURE ABOVE (PAINTED) RD SOFFIT/DROP (PAINTED) RD CEILING (PAINTED)	Corporate Headquarters 45650 Grand River Ave. Novi, Michigan 48374 Ph: (248)349-4500 • Fax: (248)349-1429 Novi • Wyandotte • Muskegon Lansing • Gaylord • Sault Ste. Marie Williamsport, PA • Tampa, FL www.sidockgroup.com
	DOG ISO.	7     RECESSE       8     SKYLIGHT	D 'CAN' LIGHT FIXTURE.	
	CAT HOLD / CAT RECOVERY $\langle 9'-0" \rangle$ 136 ENTRY FOYER $\langle 9'-0" \rangle$ 135 HALLWAY $\langle 9'-0" \rangle$ 137 DOG RECOVERY $\langle 9'-0" \rangle$ 141	REFER TO	CTED CEILING PLAN LEGEND ELECTRICAL & MECHANICAL DRAWINGS FOR L INFORMATION	TAYLOR MADE FOR YOU
			CEILING GRID	<sup>Client:</sup> City of Taylor 23555 Goddard Rd.
	DELIVERY / PICK		2'x4' LIGHT FIXTURE	Taylor, MI 48180
	$\frac{\text{UP / STORAGE}}{\left(\text{EXP}\right) 138}$		2'x2' HVAC SUPPLY DIFFUSER	
	EUTH. ROOM		2'x2' HVAC RETURN DIFFUSER	
	] DOG HOLD ]	0	RECESSED 'CAN' LIGHT	
			PENDANT MOUNTED LIGHT FIXTURE	Project: City of Taylor Animal Shelter
			DRYWALL CEILING	Remodel & Expansion
		EX	INDICATES CEILING / SOFFIT HEIGHT (EX = TO MATCH EXISTING HEIGHTS)	

25555 Northline Rd. Taylor, MI 48180

Date



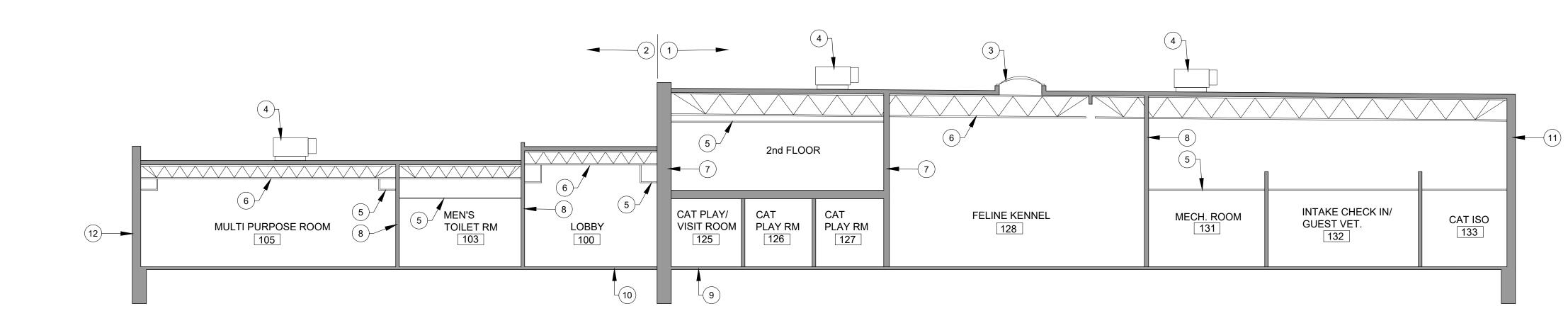
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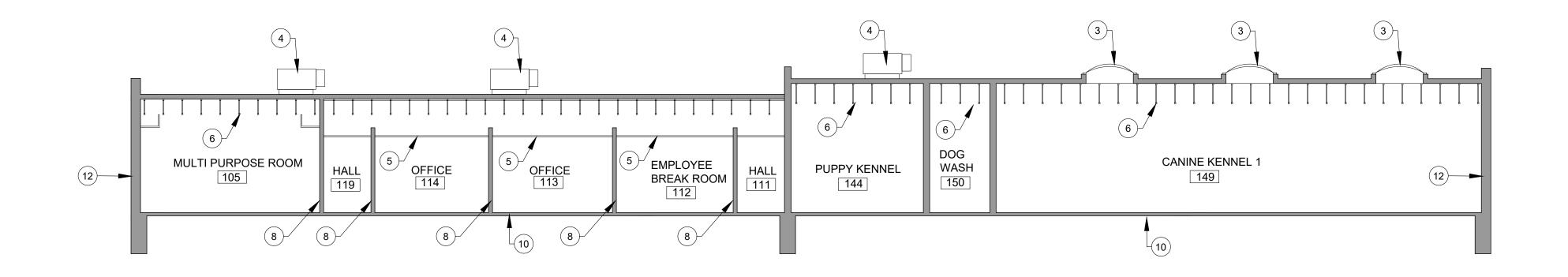
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Approved:	MR

Sheet Title: REFLECTED **CEILING PLAN** 

22712.A Project Number: Sheet Number: A-510









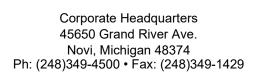


BUILDING SECTION SCALE: 1/8" = 1'-0"



# **BUILDING SECTION NOTES:**

- (1) EXISTING BUILDING
- (2) NEW BUILDING ADDITION
- (3) SKYLIGHT
- (4) HVAC EQUIPMENT (RTU)
- (5) FINISH CEILING
- (6) EXPOSED CEILING
- (7) EXISTING MASONRY WALL
- (8) NEW INTERIOR WALL
- (9) EXISTING FLOOR SLAB
- (10) NEW FLOOR SLAB
- (11) EXISTING EXTERIOR WALL
- (12) NEW EXTERIOR WALL



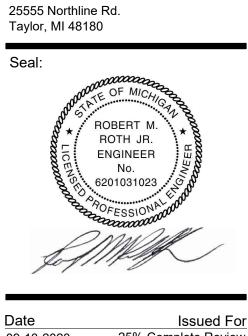
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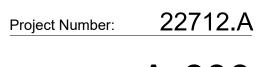
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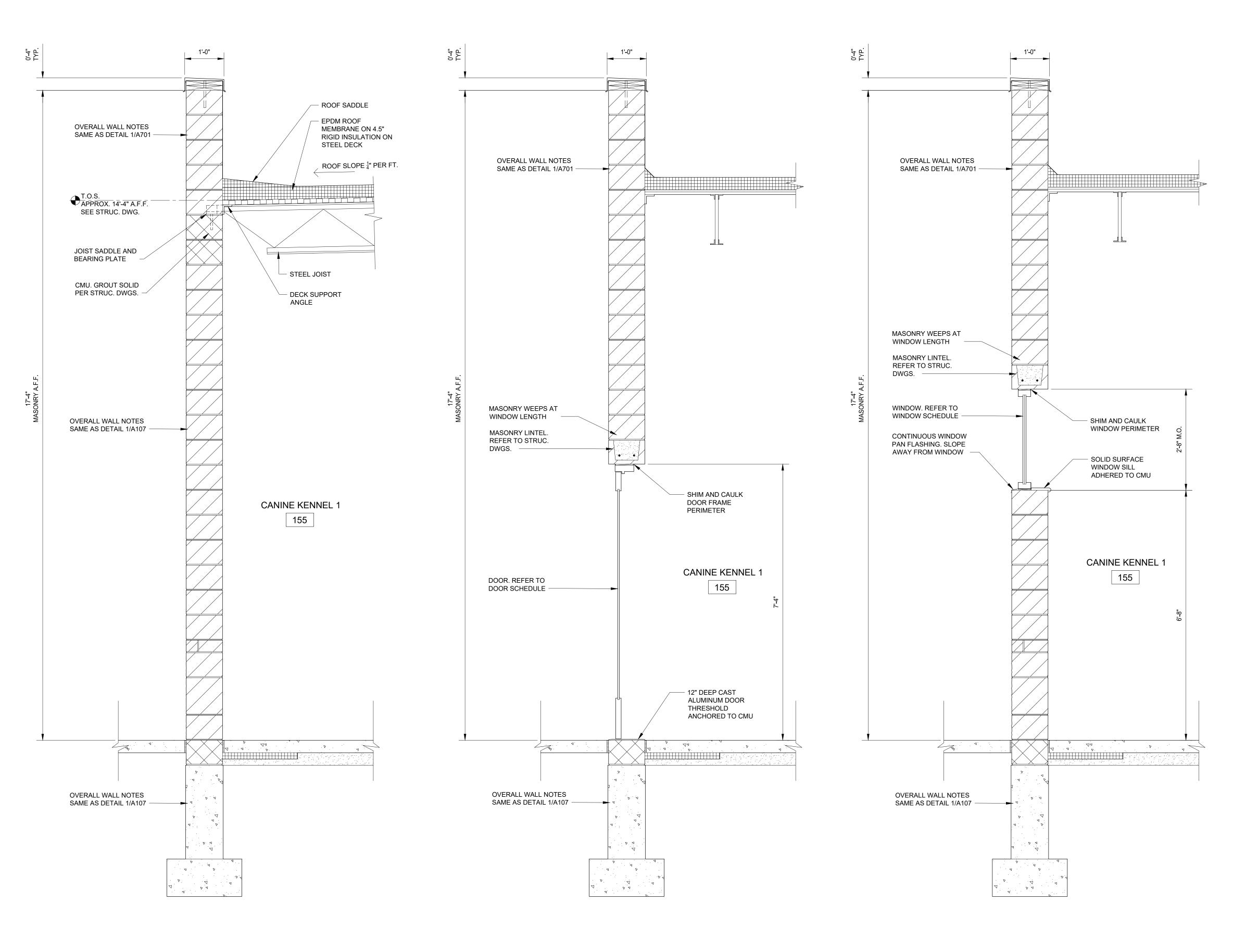
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Sheet Title: BUILDING SECTIONS



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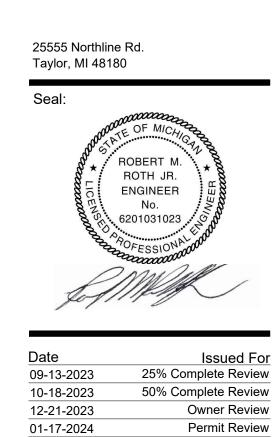
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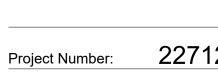
23555 Goddard Rd. Taylor, MI 48180

Remodel & Expansion



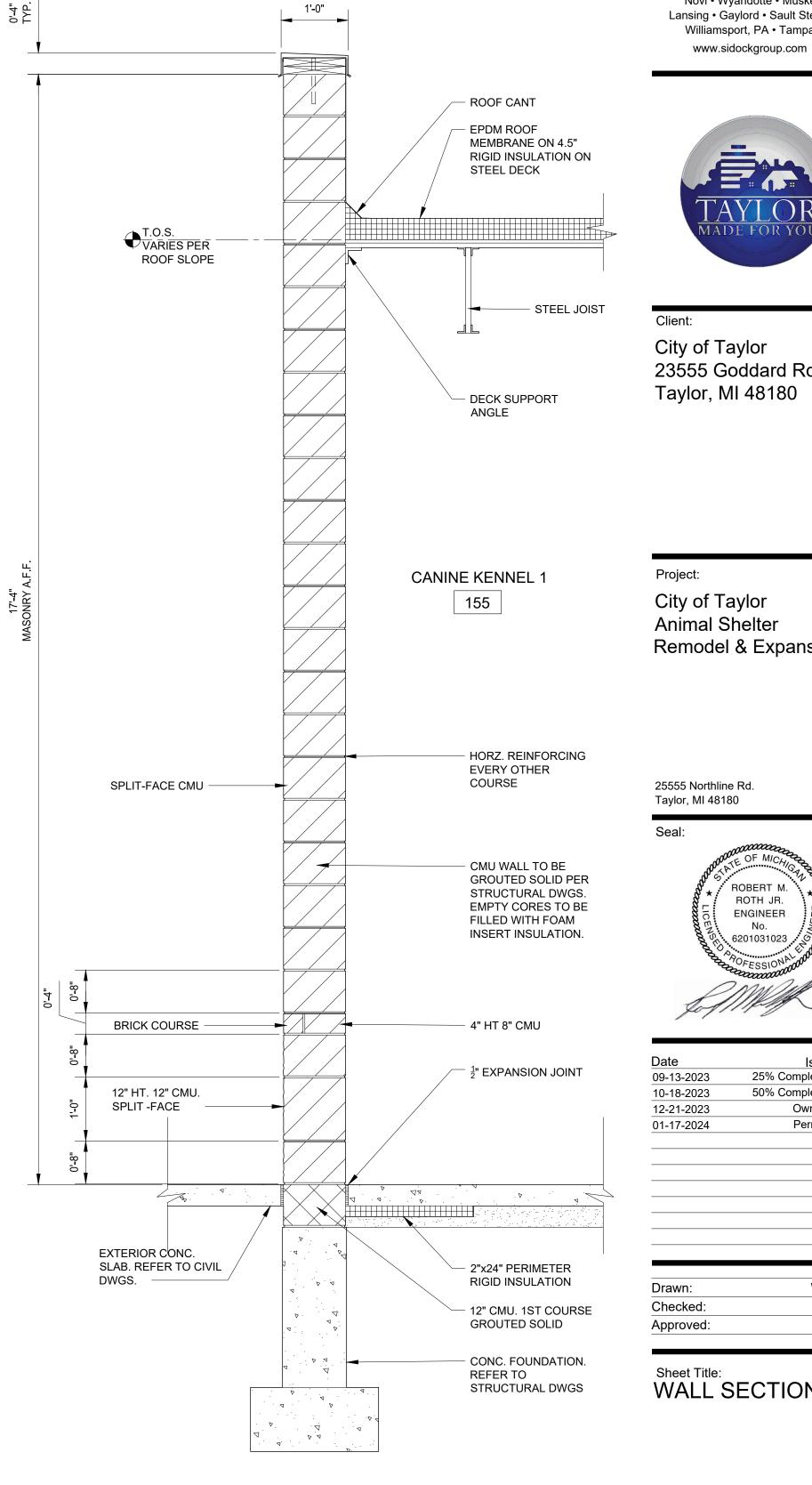
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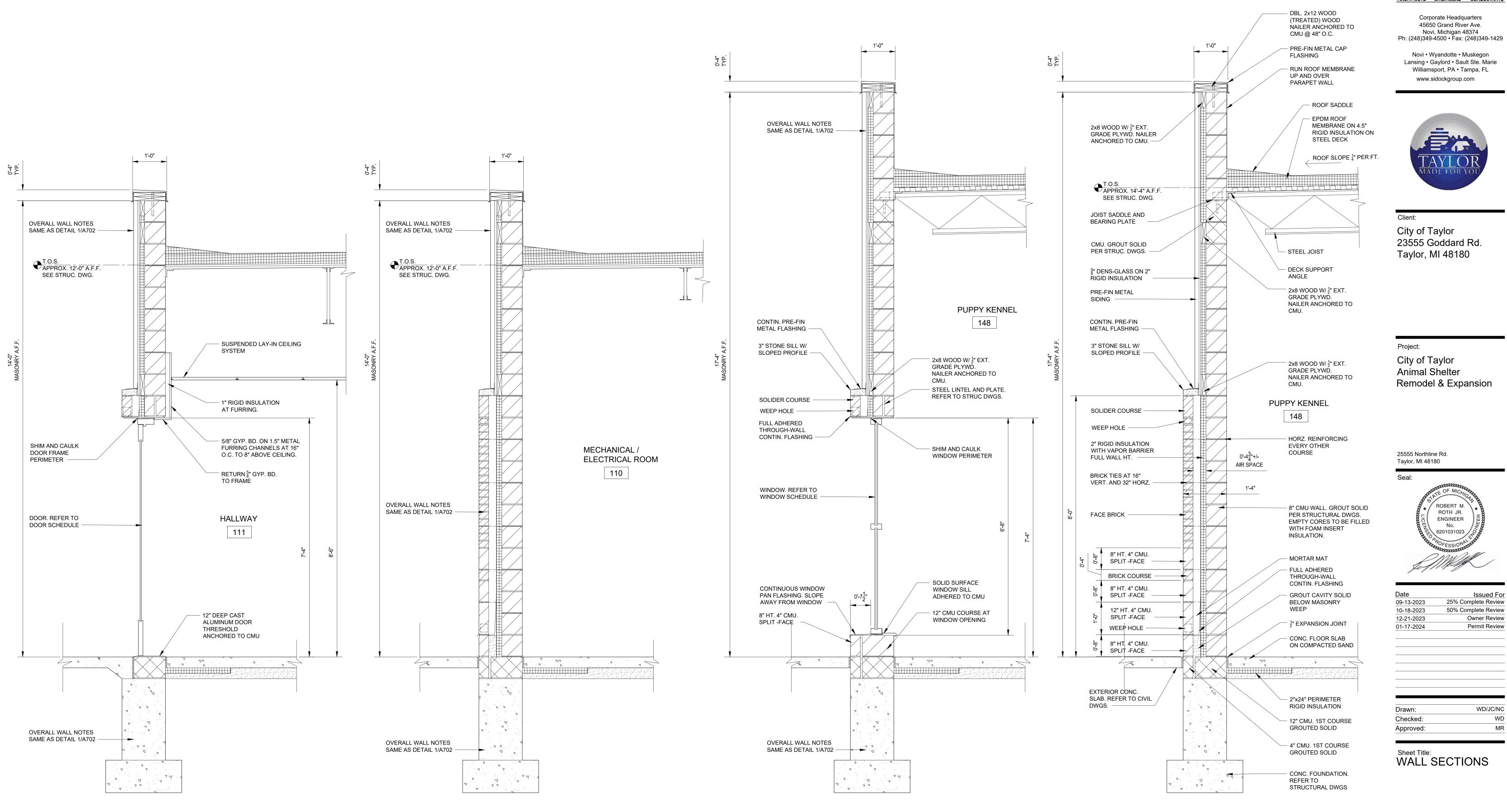
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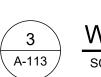




WALL SECTION SCALE: 3/4" = 1'-0"









WALL SECTION

SCALE: 3/4" = 1'-0"



22712.A

A-702

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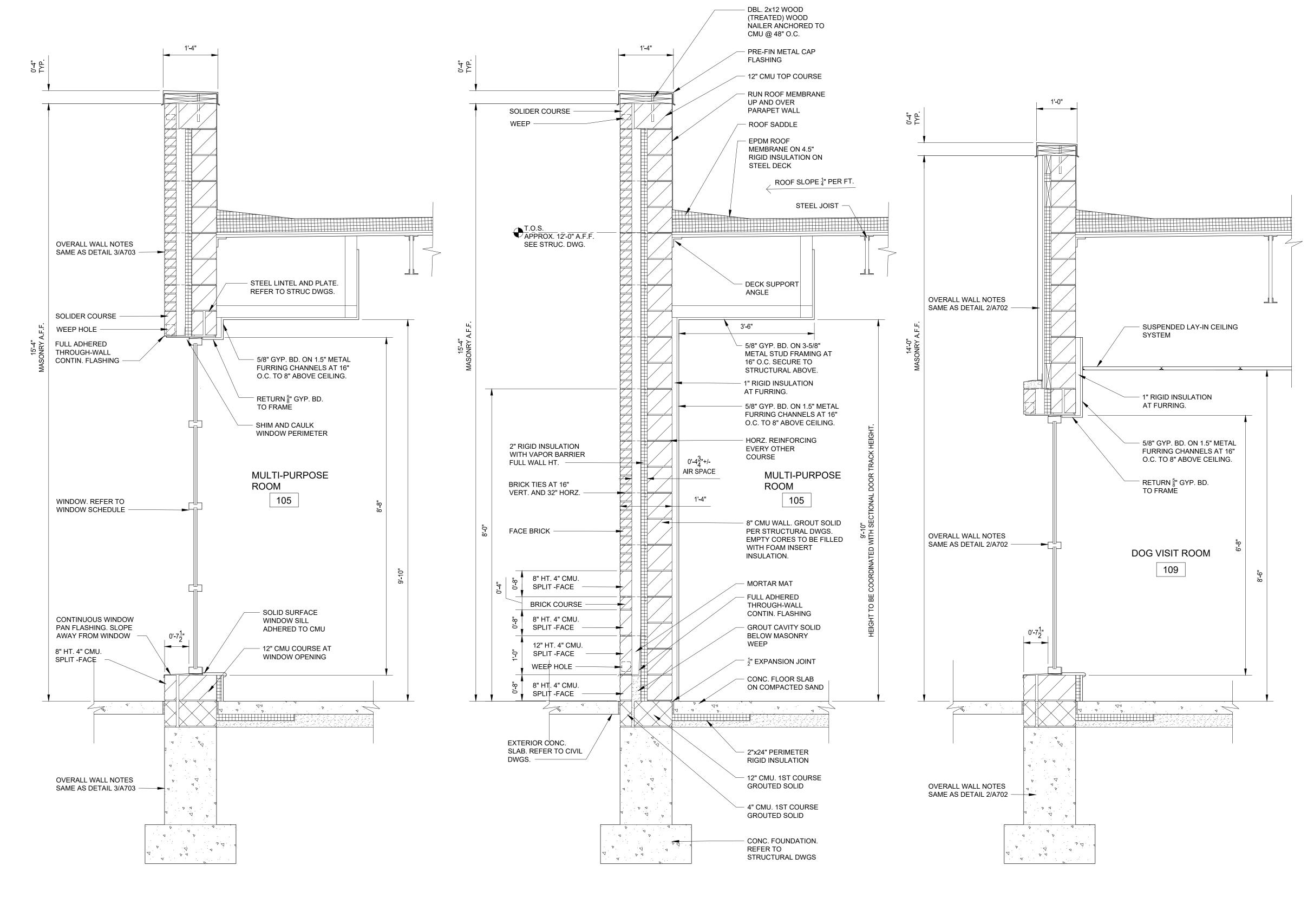
Project Number:

Sheet Number:



WALL SECTION

SCALE: 3/4" = 1'-0"







WALL SECTION



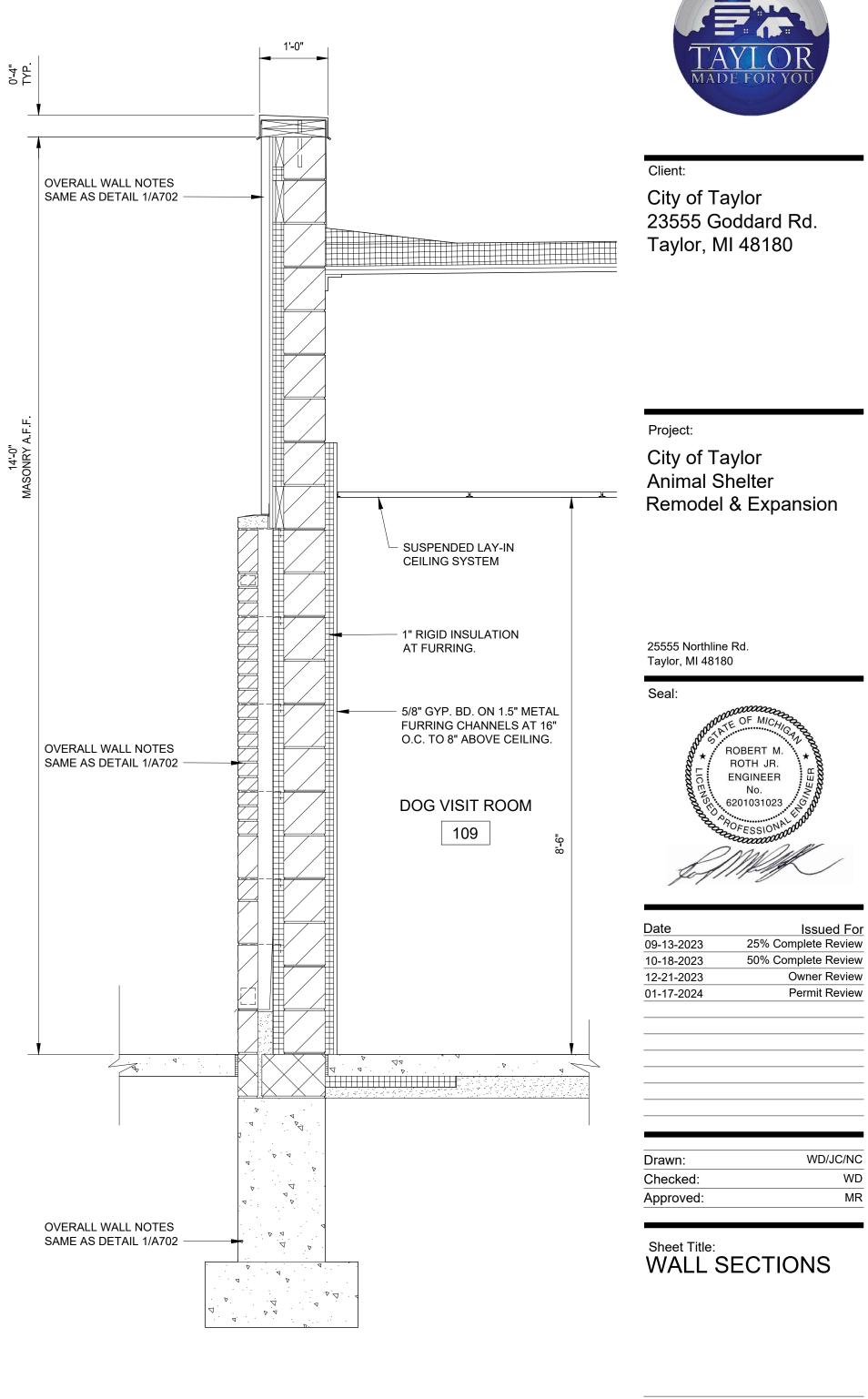
WALL SECTION

SCALE: 3/4" = 1'-0"



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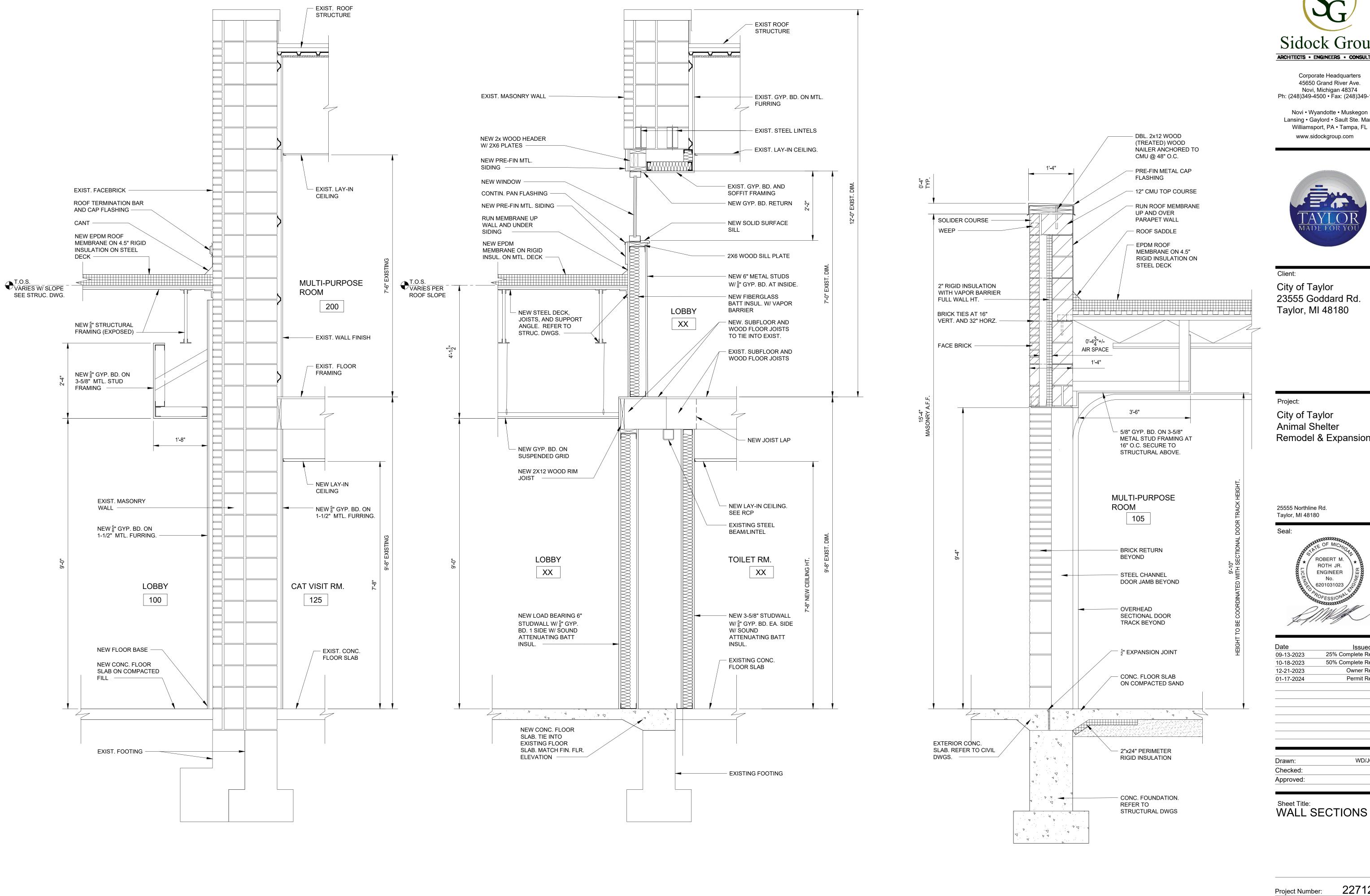


WALL SECTION SCALE: 3/4" = 1'-0"

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Project Number:

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WALL SECTION

SCALE: 3/4" = 1'-0"

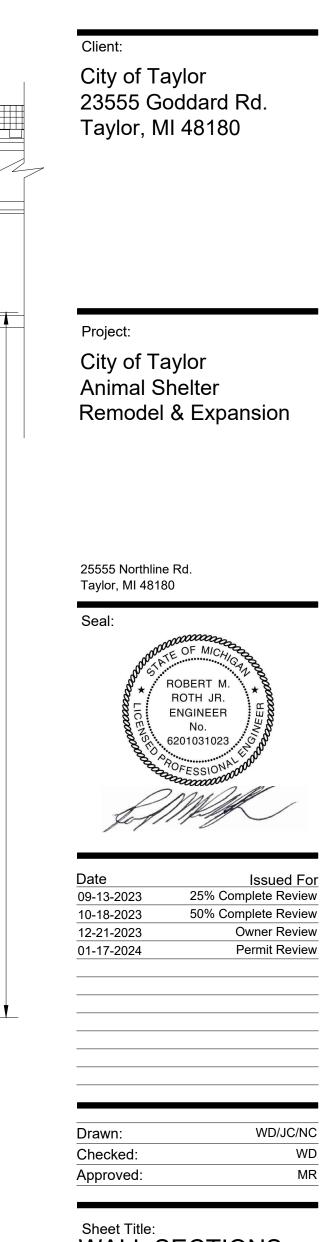




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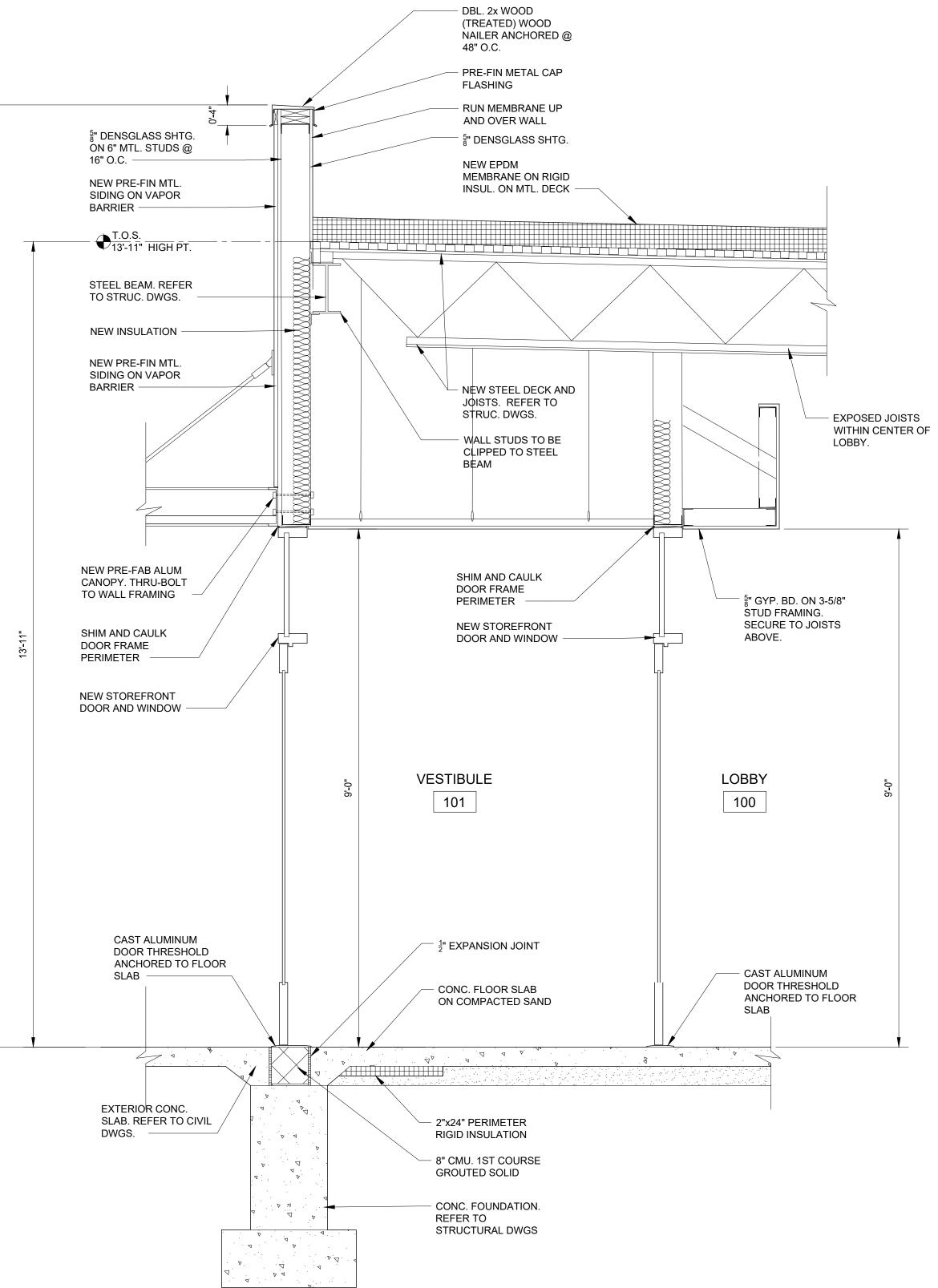
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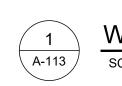
A-704

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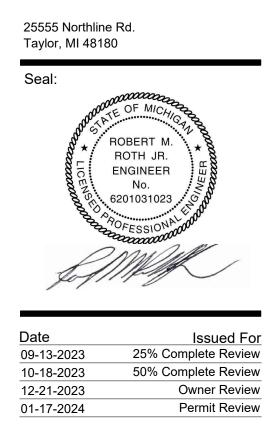


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Taylor, MI 48180

Project:

City of Taylor Animal Shelter Remodel & Expansion



Drawn:	WD/JC/NC
Checked:	WD
Approved:	MR

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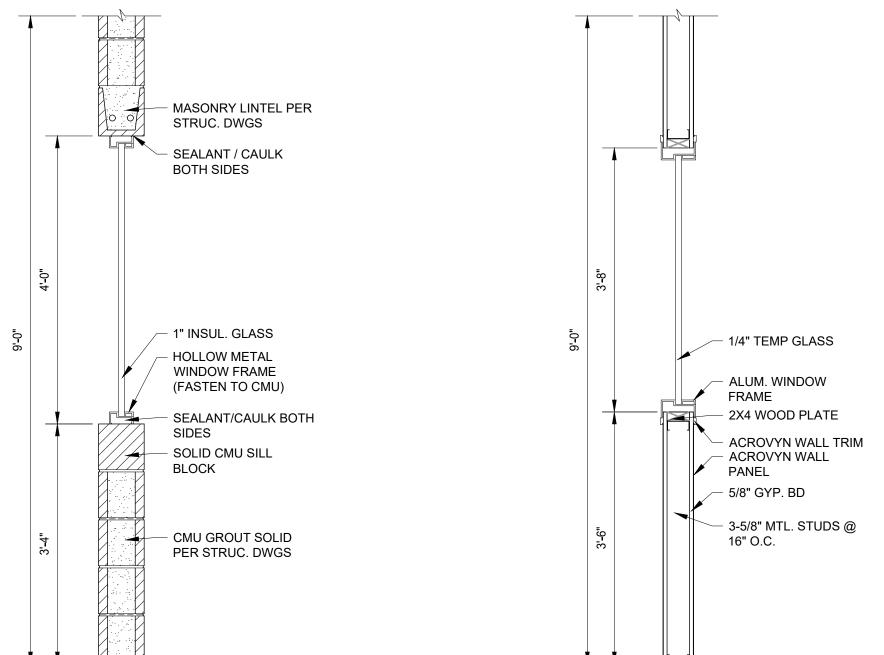
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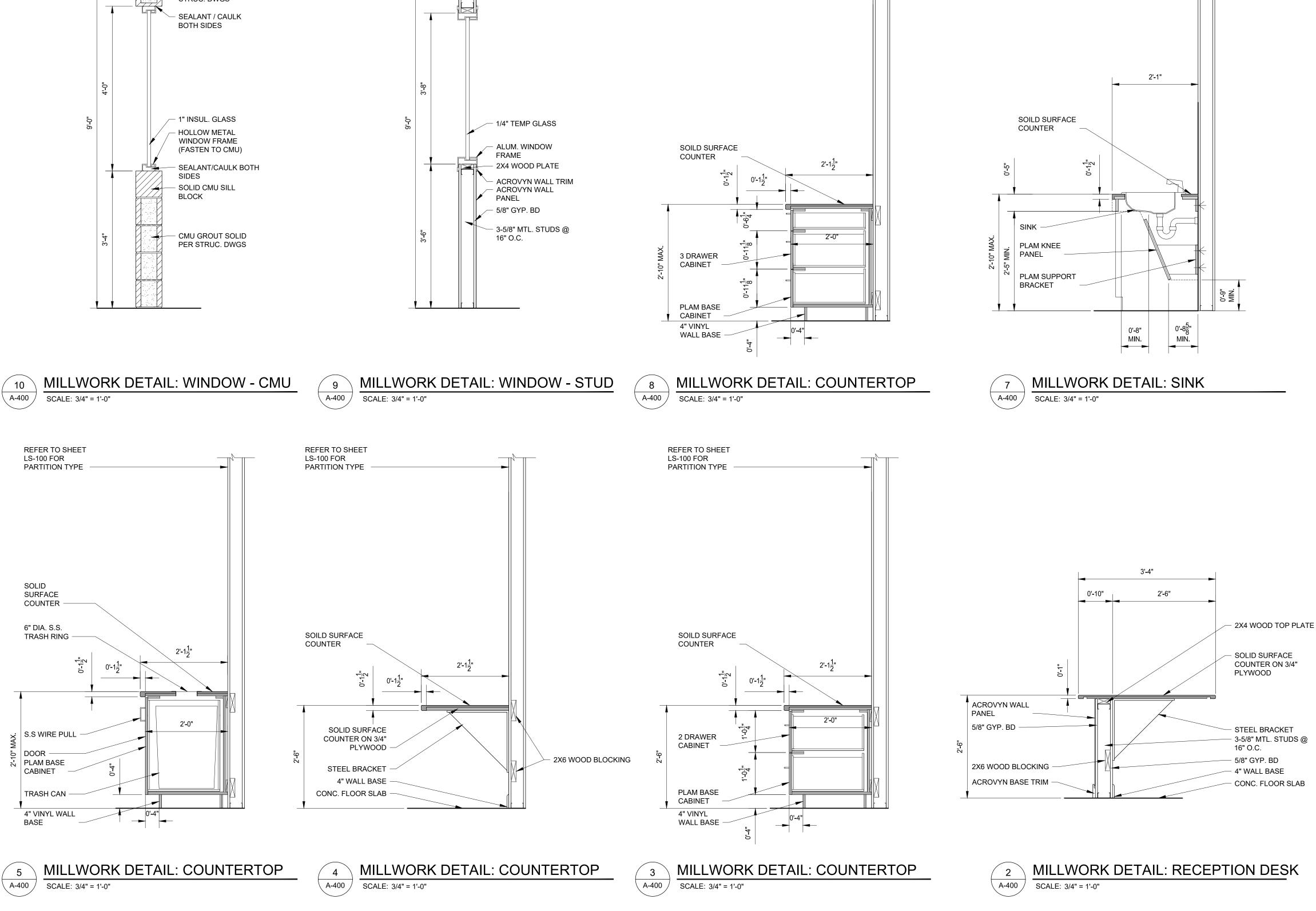




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WALL SECTION SCALE: 3/4" = 1'-0"





REFER TO SHEET

LS-100 FOR PARTITION TYPE REFER TO SHEET

PARTITION TYPE

LS-100 FOR



Corporate Headquarters 45650 Grand River Ave. Novi, Michigan 48374 Ph: (248)349-4500 • Fax: (248)349-1429

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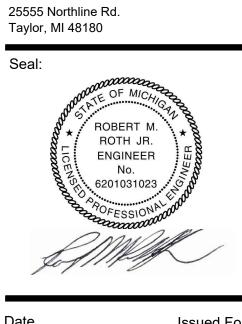
Key Plan:



Client: City of Taylor 23555 Goddard Rd. Taylor, MI 48180

Project:

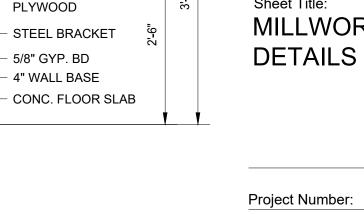
City of Taylor Animal Shelter Remodel & Expansion



Date	Issued For
09-13-2023	25% Complete Review
10-18-2023	50% Complete Review
12-21-2023	Owner Review
01-17-2024	Permit Review

Drawn:	WD/JC/NC
Checked:	WD
Approved:	MR





2X4 WOOD TOP PLATE

— 3-5/8" MTL. STUDS @ 告

SOLID SURFACE

COUNTER ON 3/4"

16" O.C.





REFER TO SHEET

PARTITION TYPE

LS-100 FOR

SOLID

SURFACE COUNTER

DRAWER

DOOR

PLAM BASE CABINET

WALL BASE -

SCALE: 3/4" = 1'-0"

2<u>1</u>+

0'-2"

5/8" GYP. BD -

PANEL

ACROVYN WALL

2X6 WOOD BLOCKING -

ACROVYN BASE TRIM -

4" VINYL

6

\ A-400 /

2<u>1</u>−

0'-1<u>1</u>"

0'-4" 

MILLWORK DETAIL: COUNTERTOP

VARIES SEE PLAN

2'-6"

0'-2"

- PLAM COUNTERTOP ON 3/4" PLYWOOD

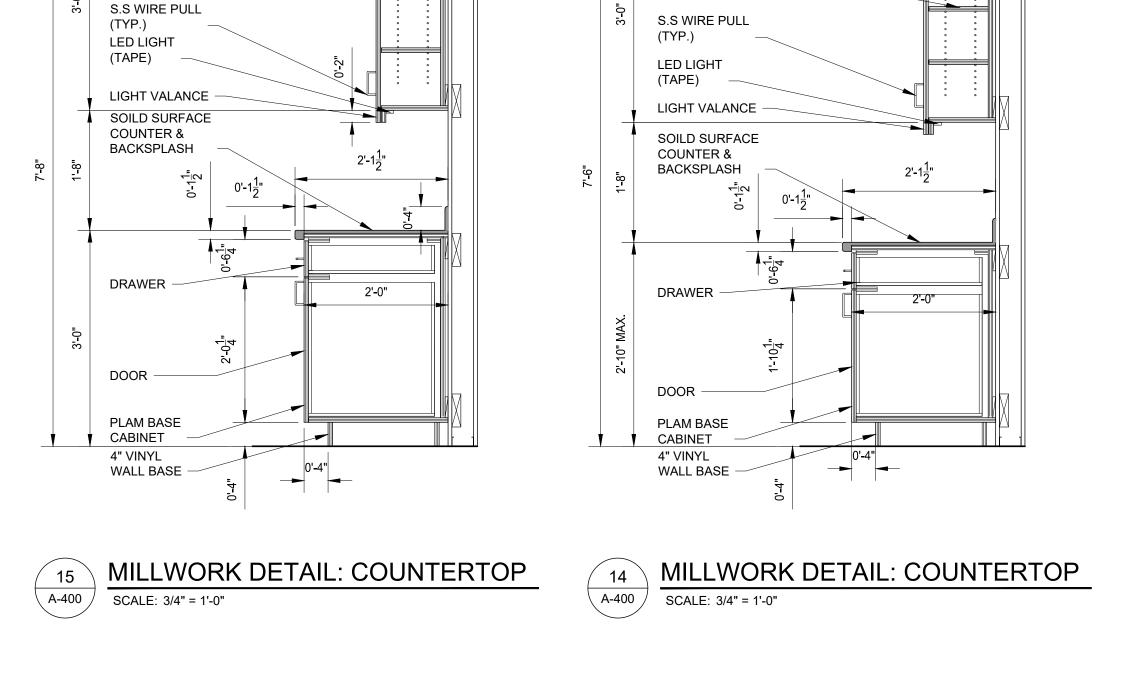
2'-1<u>7</u>"

2'-0"

A-800 Sheet Number:

22712.A

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1'-0"

REFER TO SHEET LS-100 FOR

PARTITION TYPE

1'-0"

PLAM FLAT

PLAM WALL

ADJUSTABLE

CABINET

SHELVES

CROWN

REFER TO SHEET LS-100 FOR

PARTITION TYPE

PLAM FLAT

CROWN

PLAM WALL

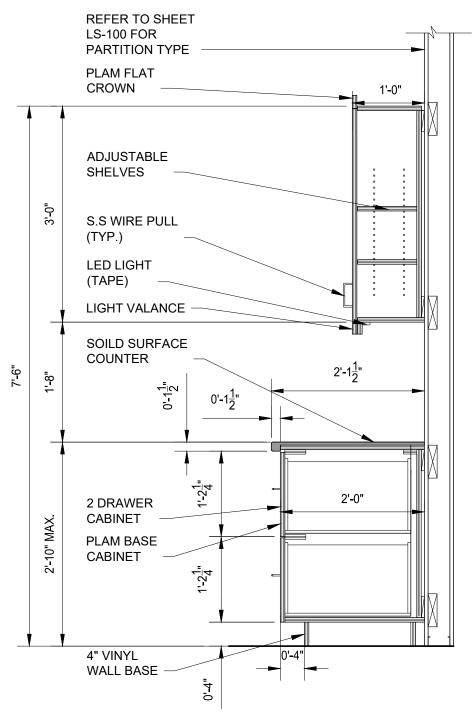
CABINET

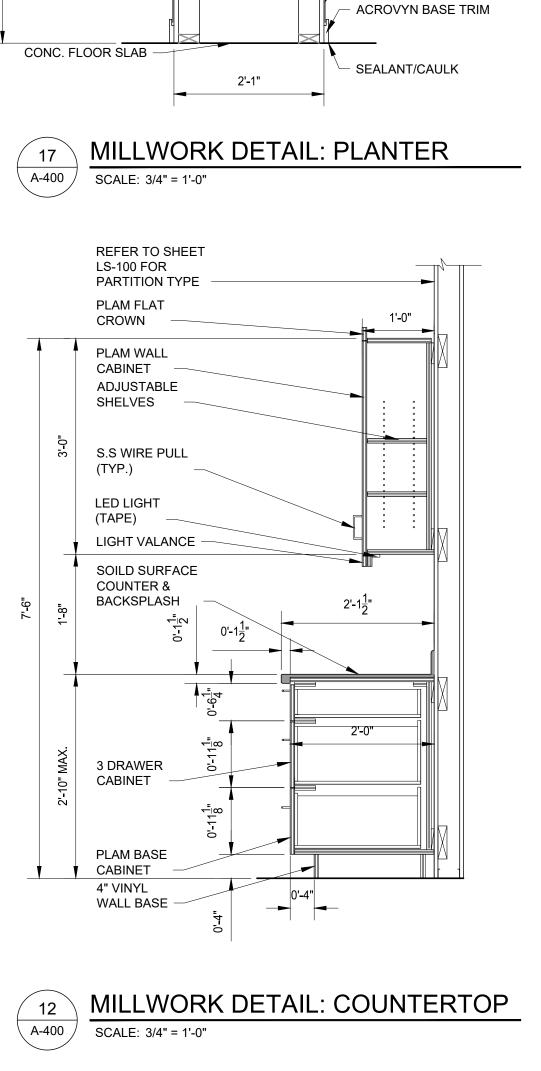
SHELVES

ADJUSTABLE



# 13 MILLWORK DETAIL: COUNTERTOP SCALE: 3/4" = 1'-0"





ACROVYN PANEL

SOLID SURFACE WALL

2X4 WOOD STUDS @

3/4" PLYWOOD SHTG

2X4 WOOD JOISTS @

ACROVYN PANEL

(BLACK)

CAP/SILL

16" O.C.

16" O.C.

0'-1<mark>1</mark>" TYP.

3/4" PLYWOOD SHTG



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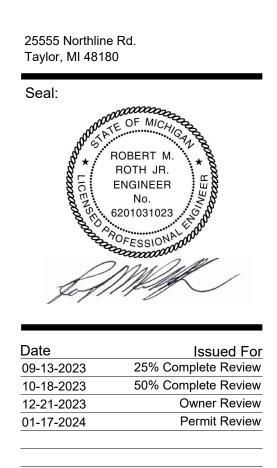
Key Plan:



Client: City of Taylor 23555 Goddard Rd. Taylor, MI 48180

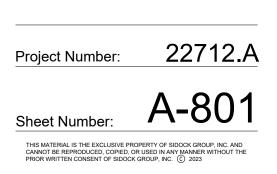
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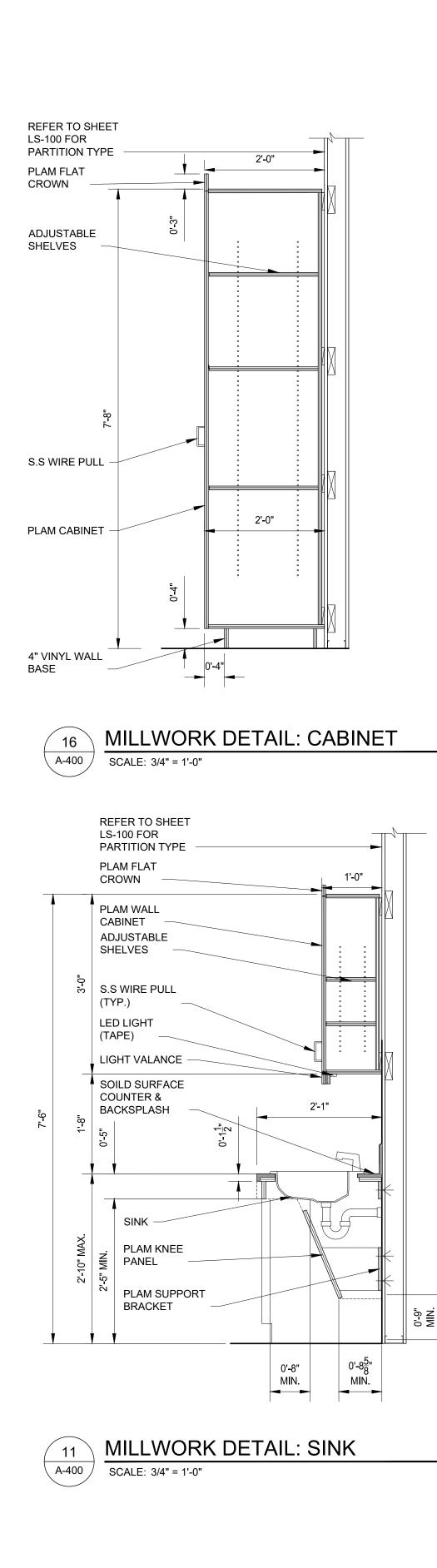
City of Taylor Animal Shelter Remodel & Expansion



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Sheet Title: MILLWORK DETAILS





# PRIMARY PRODUCT SELECTIONS

OVERHEAD DOORS	RESTROOM ACCESSORIES	DECORATIVE ALUMINUM FENCE					DOOR SCHEDULE
PRODUCT: OVERHEAD SECTIONAL DOOR	PRODUCT: FLOOR-STANDING WASTE RECEPTACLE WITH OPEN TOP	PRODUCT: ALUMINUM FENCING			SIZE	DOOR	FRAME
MFR: OVERHEAD DOOR MODEL: THERMACORE SECTIONAL STEEL DOOR MODEL 593 COLOR: TBD (STANDARD COLOR SELECTION)	MFR: BOBRICK MODEL: B-2260 COLOR: SATIN FINISH STAINLESS STEEL	MFR: ALUMI-GUARD MODEL: FLAT TOP COMMERCIAL ASCOT 3 RAIL WITH RINGS COLOR: BLACK					SET SET
LOCATION: ROOM NUMBER: 138 DELIVERY / PICK UP / STORAGE	NOTES: 1.	NOTES: 1. CONTACT INFO: 877-258-6448 / info@alumi-guard.com				TYPE ELEV/ FINISH	VARE E TYPE E ELEV E FINIS
NOTES:1.REFER TO DOOR SCHEDULE FOR SIZES.2.REFER TO DOOR SCHEDULE FOR FIRE	PRODUCT: WELDED FRAME MIRROR		DOOR NO.	ROOM NAME		000R 000R	IARDV RAME RAME IRE R
RATINGS. 3. DOOR NUMBER 138B PRODUCT: OVERHEAD SECTIONAL DOOR	MFR: BOBRICK MODEL: B-290 2436	BRICK	100	LOBBY	5 II 6'-0" 7'-0	а <u>с</u> <u>с</u> <u>и</u> " ALUM 4 FPT NONE	I     I     I     I     I       1     ALUM     J     FPT     NONE     NO
MFR: OVERHEAD DOOR MODEL: EVERSENSE ALUMINUM GLASS DOOR MODEL 521S	COLOR: SATIN FINISH STAINLESS STEEL	PRODUCT: BRICK MFR: THE BELDEN BRICK SALES COMPANY	101	VESTIBULE	6'-0" 7'-0		1 ALUM I FPT NONE ALL
COLOR: TBD (STANDARD COLOR SELECTION) LOCATION: ROOM NUMBER: 105 MULTIPURPOSE ROOM	NOTES: 1.	MODEL: 26-HB FL COLOR: TO MATCH EXIST.	103 104	MEN'S TOILET ROOM WOMEN'S TOILET ROOM	3'-0" 7'-0 3'-0" 7'-0		7         HM         B         PT         NONE         NO           7         HM         B         PT         NONE         NO
NOTES: 1. REFER TO DOOR SCHEDULE FOR SIZES.	PRODUCT: AUTOMATIC WALL-MOUNTED FOAM SOAP DISPENSER MFR: BOBRICK	NOTES: 1. SIZE: 3-5/8" X 7-5/8" MOLDED	105A	MULTIPURPOSE ROOM	3'-0" 7'-0		6 HM K PT NONE ALL
2. REFER TO DOOR SCHEDULE FOR FIRE RATINGS.	MODEL: B-2013 COLOR: SATIN FINISH STAINLESS STEEL		105B 106	MULTIPURPOSE ROOM	12'-0" 10'-0		11 ALUM - FPT NONE ALU
3. DOOR NUMBER 105B	NOTES: 1.	EXTERIOR SIDING	107	DOG VISIT ROOM	3'-0" 7'-0 3'-0" 7'-0		2     HM     B     PT     NONE     ALL       2     HM     D     PT     NONE     ALL
ROOF HATCH	PRODUCT: SURFACE-MOUNTED TOILET TISSUE DISPENSER	PRODUCT: PRE-FIN METAL SIDING MFR: BERRIDGE	108	DOG VISIT ROOM	3'-0" 7'-0		2 HM D PT NONE ALL
PRODUCT: SINGLE POINT LATCH ROOF HATCH MFR: BABCOCKDAVIS	MFR: BOBRICK MODEL: B-76867 COLOR: SATIN FINISH STAINLESS STEEL	MODEL: RS-145 PANEL COLOR: ROYAL BLUE	109 110	DOG VISIT ROOM MECHANICAL / ELECTRICAL ROOM	3'-0" 7'-0 3'-0" 7'-0		2     HM     D     PT     NONE     ALL       4     HM     B     PT     NONE     ALL
MODEL: BW3636 COLOR: HIGH REFLECTANCE WHITE POWDER	NOTES: 1.	NOTES: 1. COLOR 1	111A	HALLWAY	3'-0" 7'-0		1 ALUM D FPT NONE ALL
COAT NOTES: 1. 36" X 36" SIZE. REFER TO PLANS FOR LOCATION.	PRODUCT: SURFACE-MOUNTED PAPER TOWEL DISPENSER WITH TOWELMATE	PRODUCT: PRE-FIN METAL SIDING	111B 112A	HALLWAY EMPLOYEE BREAK ROOM	3'-0" 7'-0		9 HM A PT NONE ALL
	MFR: BOBRICK MODEL: B-4262	MFR: BERRIDGE MODEL: FW-1025 PANEL	112A 112B	EMPLOYEE BREAK ROOM	3'-0" 7'-0 3'-0" 7'-0		6 HM E PT NONE NOI 6 HM E PT NONE ALL
SKYLIGHT	COLOR: SATIN FINISH STAINLESS STEEL	COLOR: ZINC GREY	113	OFFICE	3'-0" 7'-0		5 HM D PT NONE NO
PRODUCT: TRADITIONAL DOUBLE DOME, DECK MOUNT UNIT MFR: WASCO SKYLIGHTS	NOTES: 1.	NOTES: 1. COLOR 2	114 115	OFFICE OFFICE	<u> </u>		5 HM D PT NONE NOI 5 HM D PT NONE NOI
MODEL: CWD2 6060 COLOR: TBD (STANDARD COLOR SELECTION)	PRODUCT: STRAIGHT GRAB BAR MFR: BOBRICK	EXTERIOR SIGNAGE	116	OFFICE	3'-0" 7'-0		
NOTES: 1. REFER TO PLANS FOR LOCATION.	MODEL:         B-6806 X 18", B-6806 X 30", B-6806 X 42"           COLOR:         SATIN FINISH STAINLESS STEEL	PRODUCT: (1) DIRECTIONAL PEDESTAL SIGN	117 118	MECHANICAL / ELECTRICAL ROOM	<u> </u>		
PRODUCT: SAFETY SCREEN MFR: WASCO SKYLIGHTS	NOTES: 1.	<ul><li>(3) WALL MOUNTED FLAT PLAQUE SIGNS</li><li>(2) ADA POLE MOUNTED PARKING SIGNS</li></ul>	119A	HALLWAY	3'-0" 7'-0		
MODEL: CAEW COLOR: TBD (STANDARD COLOR SELECTION)	ROOFTOP / ROOF ACCESS LADDER	<ul> <li>(1) LARGE BACK-LIT 'CITY LOGO' WALL MOUNTED SIGN</li> <li>(2) SURFACE MOUNTED SIGNS AT EXISTING MASONRY MONUMENT SIGN BASE</li> </ul>	119B	HALLWAY	3'-0" 7'-0		
NOTES: 1. 4" X 4" HEAVY GAUGE GALVANIZED WELDED	PRODUCT: FIXED STEEL LADDER		120 121	HALLWAY EMPLOYEE WOMEN'S TOILET ROOM	3'-0" 7'-0 3'-0" 7'-0		6 HM B PT NONE ALU 7 HM B PT NONE ALU
WIRE SCREEN	MFR: FSIINDUSTRIES MODEL: WLFS0207-Y (WITH WALK-THRU)	NOTES: 1. GC SHALL SUPPLY & INSTALL ALL EXTERIOR SIGNAGE 2. GC TO INCLUDE AN ALLOWANCE OF \$14,000 WITHIN	122	EMPLOYEE MEN'S TOILET ROOM	3'-0" 7'-0		7 HM B PT NONE ALU
CANOPIES	COLOR: SAFETY YELLOW FINISH (ONLY OPTION) NOTES: 1. SEE PLANS FOR LOCATION.	BASE BID FOR SIGNS AS LISTED ABOVE.	123 124A	SHOWER	3'-0" 7'-0 3'-0" 7'-0		
PRODUCT: ARCHITECTURAL CANOPY	2. ROOFTOP LADDER	ARTIFICIAL TURF	124B	HALLWAY	3'-0" 7'-0		6 HM B PT NONE ALL
MFR: MAPES ARCHITECTURAL CANOPIES MODEL: LUMISHADE T6-6063	PRODUCT: FIXED STEEL LADDER MFR: FSIINDUSTRIES	PRODUCT: ARTIFICIAL TURF MFR: SPORT Z TURF	125 126	CAT PLAY / VISIT ROOM	3'-0" 7'-0		2 HM B PT NONE NO
COLOR: TBD (STANDARD COLOR SELECTION) NOTES: 1. CUSTOM SIZING. REFER TO PLANS FOR	MODEL: WLFS0111-Y (WITHOUT WALK-THRU) COLOR: SAFETY YELLOW FINISH (ONLY OPTION)	MODEL: TBD COLOR: TBD	120	CAT PLAY ROOM	3'-0" 7'-0 3'-0" 7'-0		2     HM     M     PT     NONE     NOI       2     HM     M     PT     NONE     NOI
LOCATION & SIZING.	NOTES: 1. SEE PLANS FOR LOCATION. 2. ROOF ACCESS LADDER	NOTES: 1. CONTACT INFO: 734-772-5335	128A		3'-0" 7'-0		
SHADE SAIL			128B 130	FELINE KENNEL       MISC. STORAGE	3'-0" 7'-0 3'-0" 7'-0		9 HM B PT NONE ALU 4 HM B PT NONE NO
PRODUCT: 3-POINT SHADE SAIL MFR: LAWRENCE FABRIC & METAL STRUCTURES	KENNELS		131	MECHANICAL ROOM	3'-0" 7'-0		4 HM B PT NONE NO
MODEL: CUSTOM COMMERCIAL SHADE SAIL COLOR: TBD (STANDARD COLOR SELECTION)	PRODUCT: CANINE KENNELS MFR: MIDMARK CORP. MODEL: SANI-KENNEL		132A 132B	INTAKE CHECK IN / GUEST VET. INTAKE CHECK IN / GUEST VET.	3'-0" 7'-0 3'-0" 7'-0		1     ALUM     E     FPT     NONE     ALU       6     HM     B     PT     NONE     ALU
NOTES: 1. CONTACT INFO: (800) 527-3840 / (636)	MODEL: SANI-KENNEL COLOR: TBD (STANDARD COLOR SELECTION)		133	CAT ISO.	3'-0" 7'-0		
861-0100	NOTES: 1. STAINLESS STEEL FRAME AND GATE COMPONENTS 2. FRP WALL PANELS		134 135A	DOG ISO. ENTRY FOYER	3'-0" 7'-0 EXST EXS		9         HM         B         PT         NONE         ALL           1         EXST         EXST         PT         EXST         EX
HOSE REEL	<ol> <li>STAINLESS STEEL DIVIDER GATE</li> <li>KENNEL HEIGHT IS 6'-4"</li> </ol>		135B	ENTRY FOYER	3'-0" 7'-0		
PRODUCT: HOSE REEL MFR: REEL CRAFT	<ol> <li>SEE PLANS FOR LAYOUT</li> <li>PRODUCT PROVIDED BY OWNER</li> </ol>		136 137	CAT HOLD / CAT RECOVERY HALLWAY	3'-0" 7'-0		9 HM B PT NONE ALL
MODEL: GC83050 OLP COLOR: TBD (STANDARD COLOR SELECTION)	PRODUCT: FELINE KENNELS MFR: MIDMARK CORP.		137 138A	DELIVERY / PICK UP / STORAGE	3'-0" 7'-0 3'-0" 7'-0		2     HM     B     PT     NONE     NOI       4     HM     B     PT     NONE     ALL
NOTES: 1.	MFR: MIDMARK CORP. MODEL: RAINTREE CAT CONDO COLOR: TBD (STANDARD COLOR SELECTION)		138B	DELIVERY / PICK UP / STORAGE	10'-0" 14'-0		10 ALUM - FPT NONE ALU
PRE-FAB SHOWER	NOTES: 1. LAMINATE FINISH AVAILABLE IN SEVERAL COLORS /		139A 139B	EUTH. ROOM EUTH. ROOM	3'-0" 7'-0 3'-0" 7'-0		8 HM B PT NONE ALU 8 HM B PT NONE NO
PRODUCT: ADA TRANSFER SHOWER - FOUR PIECE 42" X 38"	WOODGRAIN PATTERNS 2. EACH CAGE HAS 2 ROOMS 1 IS A LITTER BOX		140	DOG HOLD	3'-0" 7'-0	" SC 3 PT NONE	9 HM B PT NONE ALL
MFR: BARRIER FREE ARCHITECTURALS INC. MODEL: 4LSS4238A5T	COMPARTMENT 3. DOOR FRONTS ARE AN OPEN AIR MESH TYPE DESIGN 4. SEE PLANS FOR LAYOUT		141	DOG RECOVERY VOLUNTEER ROOM	3'-0" 7'-0 3'-0" 7'-0		9 HM B PT NONE ALL 2 HM B PT NONE ALL
COLOR: SMOOTH WALL - WHITE	5. PRODUCT PROVIDED BY OWNER		143	FELINE LAUNDRY	3'-0" 7'-0		2 HM B PT NONE ALL
NOTES: 1.			148 152	PUPPY KENNEL QUARANTINE	3'-0" 7'-0		2         HM         A         PT         NONE         NOI           2         HM         A         PT         NONE         NOI
APPLIANCES			154A	CANINE KENNEL 2	3'-0" 7'-0 3'-0" 7'-0		3 HM A PT NONE NO
PRODUCT: (1) FULL SIZE REFRIGERATOR			154B	CANINE KENNEL 2	3'-0" 7'-0		3 HM A PT NONE NO
(2) BELOW COUNTER REFRIGERATORS (2) MICROWAVES			154C 155A	CANINE KENNEL 2 CANINE KENNEL 1	3'-0" 7'-0 6'-0" 7'-0		1     ALUM     F     FPT     NONE     ALU       3     HM     A     PT     NONE     NOI
(1) DISHWASHER (2) SETS OF WASHERS & DRYERS			155B	CANINE KENNEL 1	3'-0" 7'-0		1 ALUM C FPT NONE ALU
NOTES: 1. GC SHALL SUPPLY & INSTALL THE APPLIANCES ABOVE.			155C 157	CANINE KENNEL 1 GUN RANGE ENTRY VESTIBULE	3'-0" 7'-0 6'-0" 7'-0		1     ALUM     F     FPT     NONE     ALU       1     ALUM     G     FPT     NONE     ALU
2. GC TO INCLUDE AN ALLOWANCE OF \$14,000 WITHIN BASE BID.			158	GUN RANGE ENTRY CORRIDOR	6'-0" 7'-0		1 ALUM H FPT NONE ALL
3. FINAL PRODUCT SELCTIONS TO BE MADE BY ARCHITECT / OWNER AT A LATER DATE.			SCHEDULE LE	GEND			
ARTIFICIAL PLANTINGS				NISHED METAL DW METAL	D	OOR HARDWAR	ESEIS
PRODUCT: INTERIOR FAUX PLANTS			SF STRUC	NISHED ALUMINUM TURAL STEEL FRAME (BUILDING FRAME CO		T 1: HD HINGES	SET 2: SE 3 HD HINGES 3 H
MFR: COMMERCIAL SILK MODEL: TBD				CORE WOOD DOOR IEAD SECTIONAL DOOR	1 E 1 C	ENTRY LOCKSET W/ PANIC BAR DVERHEAD CLOSER	1 PASSAGE STYLE LOCKSET 1 N 1 OVERHEAD CLOSER 1 F
COLOR: TBD NOTES: 1. CONTACT INFO:			FPT FACTO ST STAINE	DRY PAINT ED	1 5	SET WEATHERSTRIP SWEEP	
9901 West 74th St. Minneapolis, MN 55344. USA			TRN ALUMI	NUM TILE TRANSITION STRIP (SCHLUTER P	RODUCT) <sup>1 A</sup>	ALUM. THRESHOLD	
Toll Free: 800-241-2718 Main: 952-934-7666						T 6:	SET 7: SE
Fax: 952-934-3807 info@commercialsilk.com					1 F	HD HINGES PRIVACY STYLE LOCKSET OVERHEAD CLOSER	3 HD HINGES 3 H 1 OVERHEAD CLOSER 1 C 1 PUSH PLATE 1 F
2. GC SHALL PROVIDE A \$2,500 ALLOWANCE WITHIN THEIR BASE BID TO SUPPLY & INSTALL ARTIFICIAL PLANTS WITHIN THE						PUSH SIDE KICK PLATE	1 PULL HANDLE RE 1 KICK PLATE PUSH SIDE 1 K
KENNEL PLANTER BOXES.							

THRESHOLD		DETAILS			
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	Η	AL	SILL	COMMENTS	
				ELECTRIC STRIKE	
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LUM					
			NOTE:	SEE COMMENTS ON SCHED	ULE FOR ELECTRIC STRIKES
SET 3:			SET 4:		SET 5:
3 HD SPRING HINGES (DUAL SWING) 3		3 HD HIN 1 STORA		3 HD HINGES 1 CLASSROOM STYLE LOCKSET	
1 PULL HANDLE (SA SIDE)		1 OVERH	EAD CLOSER ATHERSTRIP	1 OVERHEAD STOP 1 ALUM. THRESHOLD	
			1 SWEEP		
				THRESHOLD	
SET 8:			SET 9:		SET 10:
1 OVEF	IINGES RHEAD CLOSE			GE STYLE LOCKSET	OVERHEAD DOOR HARDWARE. MOTOR OPERATED
I PRIV	ACY LOCKSET	W/ OCCUPANCY	1 OVERH 1 SET WE	EAD CLOSER ATHERSTRIP	
1 KICK PLATE PUSH SIDE		1 SWEEP		SET 11:	
			1 ALUM. THRESHOLD		OVERHEAD DOOR HARDWARE.



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Key Plan:



Client:
City of Taylor 23555 Goddard Rd.
Taylor, MI 48180

Project:

City of Taylor Animal Shelter Remodel & Expansion

25555 Northline R Taylor, MI 48180	d.
Seal:	OF MICHICA DBERT M. NOTH JR. NGINEER No. DI031023
Date	Issued For
09-13-2023	25% Complete Review

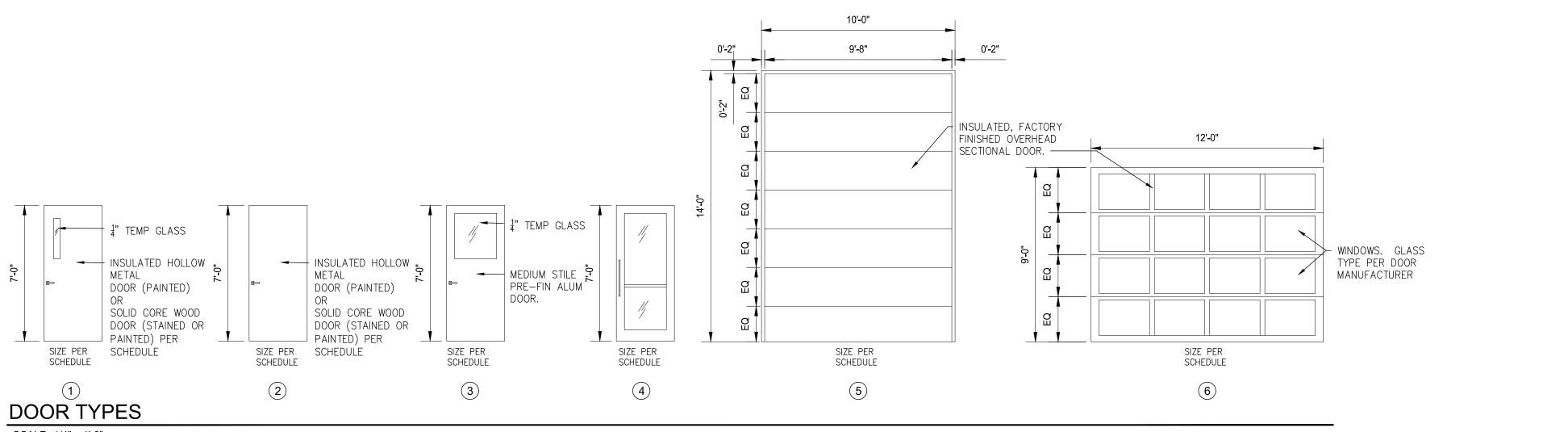
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09-13-2023	25% Complete Revie
10-18-2023	50% Complete Revie
12-21-2023	Owner Revie
01-17-2024	Permit Revie

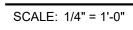
Drawn:	WD/JC/NC
Checked:	WD
Approved:	MR

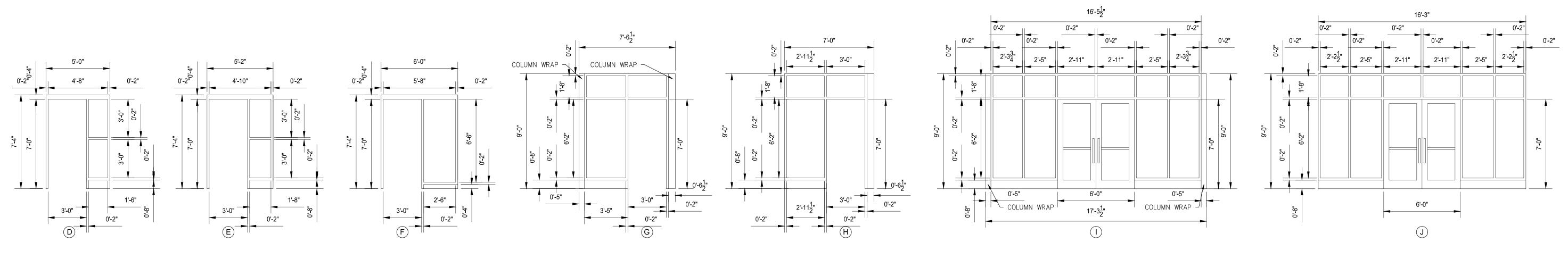
Sheet Title:
DOOR
SCHEDULE

Project Number: 22712.A

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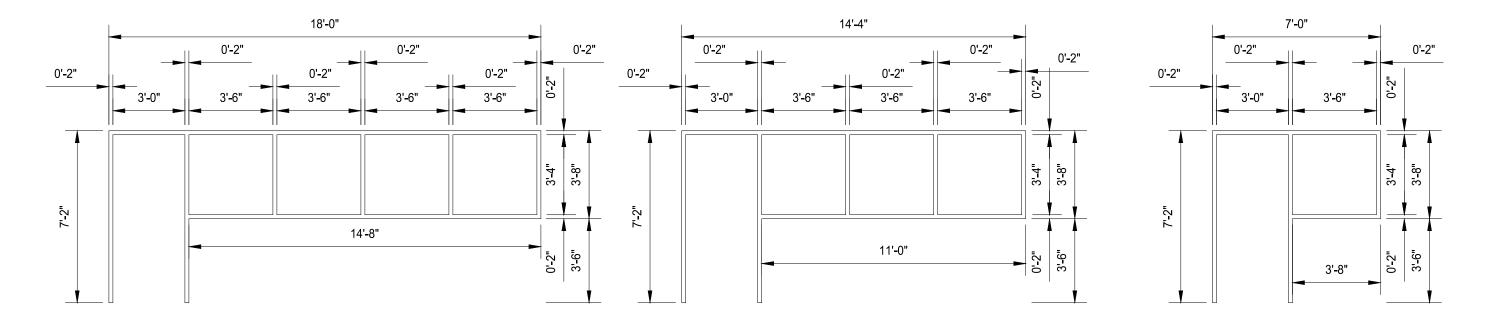


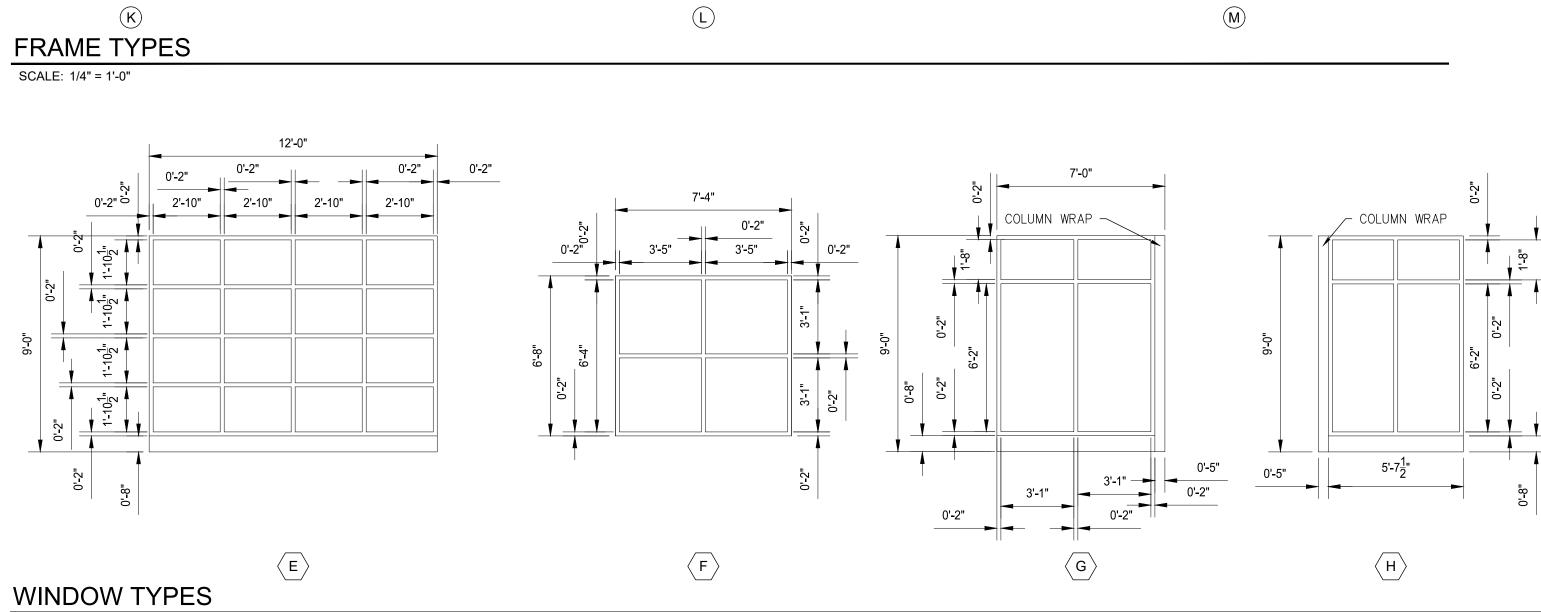




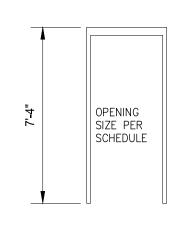


SCALE: 1/4" = 1'-0"

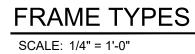


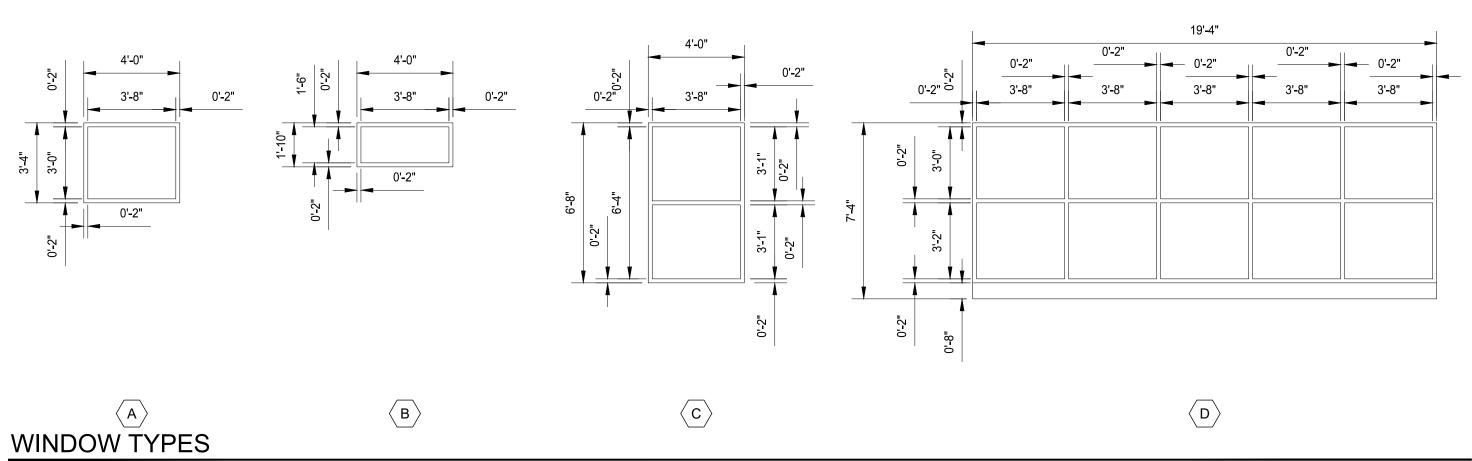


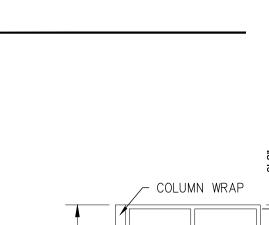
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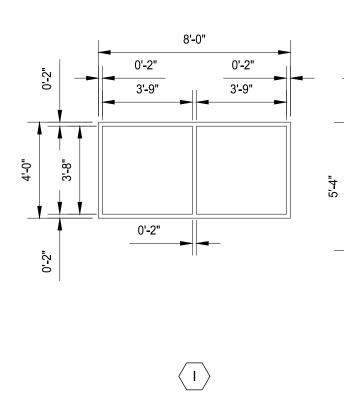


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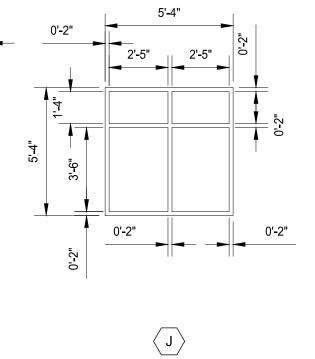


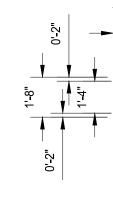


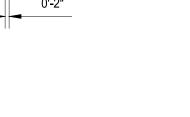


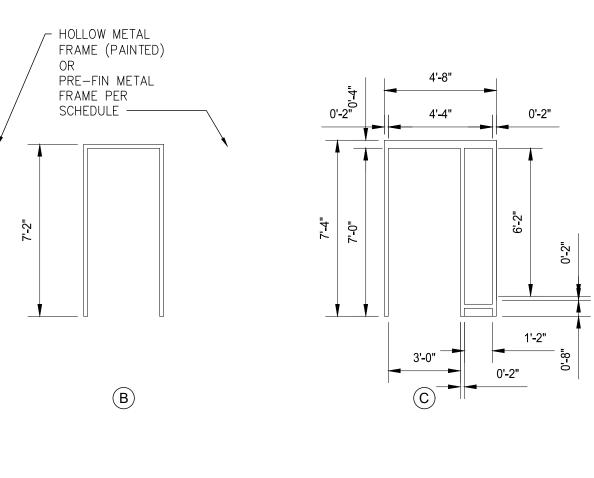


SCALE: 1/4" = 1'-0"













Client: City of Taylor 23555 Goddard Rd. Taylor, MI 48180

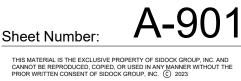
Project: City of Taylor Animal Shelter Remodel & Expansion

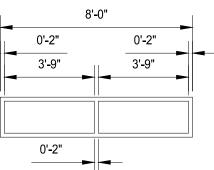
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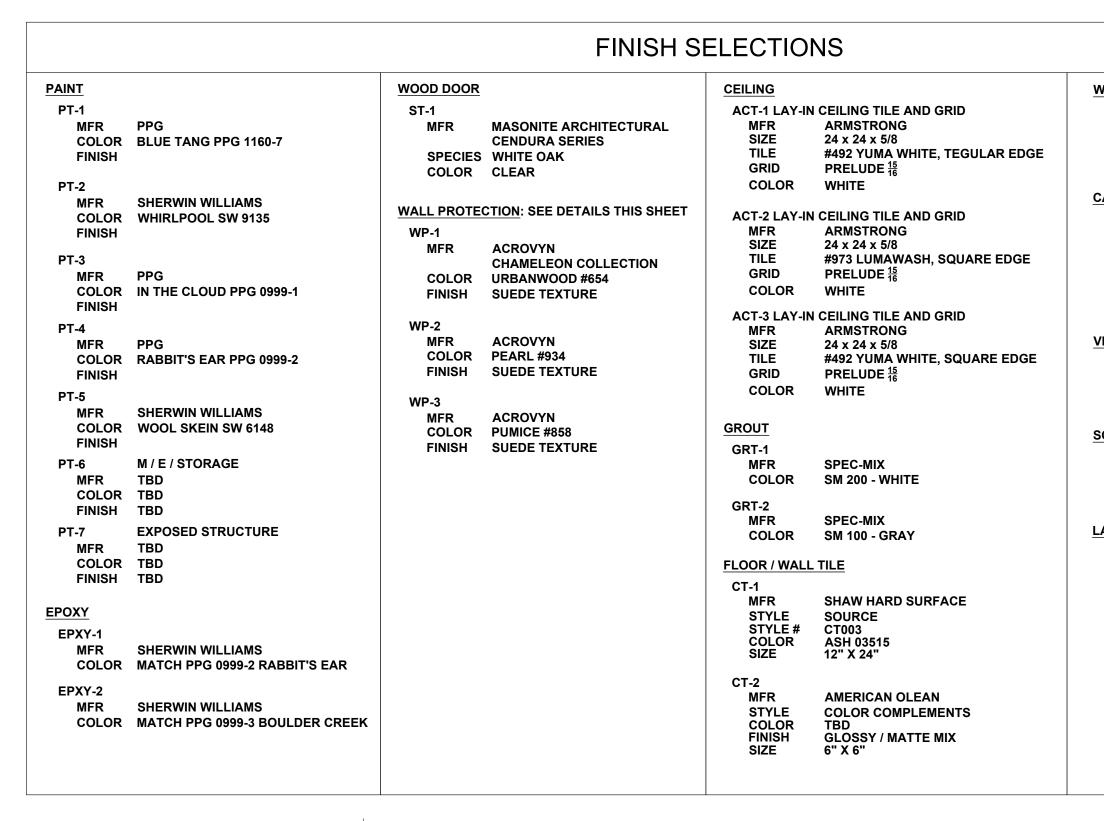
Drawn:	WD/JC/NC
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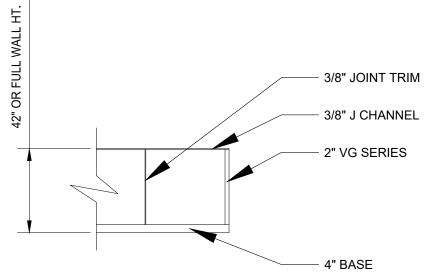


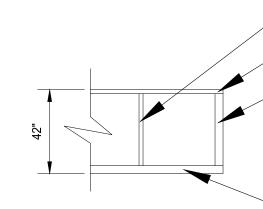
22712.A Project Number:











ACROVYN: WP-2, WP-3 (PANEL & TRIM)

ACROVYN: WP-1 (PANEL, TRIM, & BASE)

# WALL PROTECTION DETAILS

SCALE: 1/4" = 1'-0"

WALL BASE							
RB-1 RUBBER V MFR COLOR	VALL BASE JOHNSONITE 48 GREY						
CARPET							
CPT-1 MFR PRODUCT STYLE COLOR	PATCRAFT CAMBER 10485 FOCUS 00450						
VINYL COMPOSIT	<u>E TILE</u>						
VCT-1 MFR COLOR	TARKETT VCT 1314 WHITE / GRAY						
SOLID SURFACE							
SS-1 MFR COLOR	CORIAN CARBON CONCRETE						
LAMINATE							
PL-1 MFR COLOR FINISH	FORMICA DOGBONE WHITE 5281-58 MATTE FINISH						
PL-2 MFR COLOR FINISH	WILSONART HARVEST MAPLE 7053-58 FINE VELVET FINISH						
	EDIATE TRIM @ SEAMS						
2" TOP TRIM							
	R TRIM (INSIDE & UTSIDE)						

— 4" BASE

			_		WALLS				NOTES
	ROOM NAME	FLOOR	BASE	N	S	E	W	CEILING	NOTES
FIRST FL	1					/		0	
100	LOBBY	CT-1/CT-2	CT-1/CT-2	PT-4	PT-4	PT-4	PT-4	STRC/PT-7	
101	VESTIBULE	CT-1	CT-1	- DT 4	- DT 4	- DT 4	- DT 4	PT-	
102 103	RECEPTION MEN'S TOILET ROOM	CPT-1 CT-1/CT-2	RB-1 CT-1/CT-2	PT-4 PT-4	PT-4 PT-4/CT-1/CT-2	PT-4 PT-4/CT-1	PT-4 PT-4/CT-1	ACT-1 ACT-1	
103	WOMEN'S TOILET ROOM	CT-1/CT-2		PT-4/CT-1/CT-2	PT-4	PT-4/CT-1	PT-4/CT-1	ACT-1	
104	MULTIPURPOSE ROOM	EPXY-1	-	PT-3/WP-1	PT-3/WP-1	PT-3/WP-1	PT-3/WP-1	STRC/PT-7	
106	MULTIPURPOSE STORAGE ROOM	EPXY-1	RB-1	PT-3/WP-2	PT-3/WP-2	PT-3/WP-2	PT-3/WP-2	ACT-1	
107	DOG VISIT ROOM	EPXY-1	RB-1	PT-3/WP-2	PT-3/WP-2	PT-3/WP-2	PT-3/WP-2	ACT-1	
108	DOG VISIT ROOM	EPXY-1	RB-1	PT-3/WP-2	PT-3/WP-2	PT-3/WP-2	PT-3/WP-2	ACT-1	
109	DOG VISIT ROOM	EPXY-1	RB-1	PT-3/WP-2	PT-3/WP-2	PT-3/WP-2	PT-3/WP-2	ACT-1	
110	MECHANICAL / ELECTRICAL ROOM	EPXY-1	RB-1	PT-6	PT-6	PT-6	PT-6	STRC/PT-1	
111	HALLWAY	VCT-1	RB-1	PT-4/WP-1	PT-4/WP-1	PT-4/WP-1	PT-4/WP-1	ACT-1	
112	EMPLOYEE BREAK ROOM	CT-1	RB-1	PT-1	PT-4	PT-4	PT-4	ACT-1	
113	OFFICE	CPT-1	RB-1	PT-4	PT-1	PT-4	PT-4	ACT-1	
114	OFFICE	CPT-1	RB-1	PT-4	PT-1	PT-4	PT-4	ACT-1	
115	OFFICE	CPT-1	RB-1	PT-4	PT-1	PT-4	PT-4	ACT-1	
116	OFFICE	CPT-1	RB-1	PT-4	PT-1	PT-4	PT-4	ACT-1	
117	MECHANICAL / ELECTRICAL ROOM	EPXY-1	RB-1	PT-6	PT-6	PT-6	PT-6	STRC/PT-7	
118	HALLWAY	CT-1	RB-1	PT-1	PT-4	PT-4	PT-4	ACT-1	
119	HALLWAY	VCT-1	-	PT-4/WP-1	PT-4/WP-1	PT-4/WP-1	PT-4/WP-1	ACT-1	
120	HALLWAY	VCT-1	RB-1	PT-4/WP-1	PT-4/WP-1	PT-4/WP-1	PT-4/WP-1	ACT-1	
121	EMPLOYEE WOMEN'S TOILET ROOM	CT-1/CT-2	CT-1/CT-2	PT-4/CT-1	PT-4/CT-1/CT-2	PT-4/CT-1	PT-4/CT-1	ACT-1	
122	EMPLOYEE MEN'S TOILET ROOM	CT-1/CT-2	CT-1/CT-2	PT-4/CT-1/CT-2	PT-4/CT-1	PT-4/CT-1	PT-4/CT-1	ACT-1	
123	SHOWER	CT-1	CT-1	PT-	PT-	PT-	PT-	PT-	
124	HALLWAY	CT-1/CT-2	CT-1/CT-2	PT-4	PT-4	PT-4	PT-4	ACT-1	
125	CAT PLAY / VISIT ROOM	EPXY-1	RB-1	PT-4/WP-2	PT-4/WP-2	PT-4/WP-2	PT-4/WP-2	ACT-1	
126	CAT PLAY ROOM	EPXY-1	RB-1	PT-4/WP-2	PT-4/WP-2	PT-4/WP-2	PT-4/WP-2	ACT-1	
127	CAT PLAY ROOM	EPXY-1	RB-1	PT-4/WP-2	PT-4/WP-2	PT-4/WP-2	PT-4/WP-2	ACT-1	
128	FELINE KENNEL	EPXY-1/EPXY-2	RB-1	PT-3/WP-2	PT-3/WP-2	PT-3/WP-2	PT-3/WP-2	STRC/PT-7	
129	CAT WASH	EPXY-1/EPXY-2	RB-1	PT-3/WP-2	PT-3/WP-2	PT-3/WP-2	PT-3/WP-2	ACT-2	
130	MISC. STORAGE	EPXY-1	RB-1	PT-6	PT-6	PT-6	PT-6	ACT-3	
131	MECHANICAL ROOM	EPXY-1	RB-1	PT-6	PT-6	PT-6	PT-6	ACT-3	
132	INTAKE CHECK IN / GUEST VET.	CT-1	-	PT-4/WP-1	PT-4/WP-1	PT-1/WP-1	PT-4/WP-1	ACT-1	
133	CAT ISO.	EPXY-1	-	WP-2	WP-2	WP-2	WP-2	ACT-2	
134	DOG ISO.	EPXY-1	-	WP-2	WP-2	WP-2	WP-2	ACT-2	
135	ENTRY FOYER	VCT-1	RB-1	PT-4/WP-1	PT-4/WP-1	PT-4/WP-1	PT-4/WP-1	ACT-1	
136	CAT HOLD / CAT RECOVERY	EPXY-1	-	WP-2	WP-2	WP-2	WP-2	ACT-2	
137	HALLWAY	VCT-1	RB-1	PT-4/WP-1	PT-4/WP-1	PT-4/WP-1	PT-4/WP-1	ACT-1	
138	DELIVERY / PICK UP / STORAGE	EPXY-1	-	PT-	PT-	PT-	PT-	STRC/PT-7	
139	EUTH. ROOM	VCT-1	RB-1	PT-4/WP-1	PT-4/WP-1	PT-4/WP-1	PT-4/WP-1	ACT-2	
140	DOG HOLD	EPXY-1	-	WP-2	WP-2	WP-2	WP-2	ACT-2	
141	DOG RECOVERY	EPXY-1	-	WP-2	WP-2	WP-2	WP-2	ACT-2	
142		VCT-1	RB-1	PT-4/WP-1	PT-4/WP-1	PT-4/WP-1	PT-4/WP-1	ACT-1	
143		EPXY-1	-	WP-2	WP-2	WP-2	WP-2	ACT-2	
144		EXST	EXST	EXST	EXST	EXST	EXST	EXST	
145	EXISTING GUN RANGE TOILET	EXST	EXST	EXST	EXST	EXST	EXST	EXST	
146		EXST	EXST	EXST	EXST	EXST	EXST	EXST	
147		EXST	EXST	EXST	EXST	EXST	EXST	EXST	
148		EPXY-2	-	PT-4	PT-4	PT-4	PT-4	ACT-2	
149		EPXY-2	-	PT-4	PT-4	PT-4	PT-4	ACT-3	
150		EPXY-2	-	PT-4	PT-4	PT-4	PT-4	ACT-3	
151		EPXY-2	-	PT-4	PT-4	PT-4	PT-4	ACT-3	
152		EPXY-2	-	PT-4	PT-4	PT-4	PT-4	ACT-2	
153	MISC. STORAGE	EPXY-2	-	PT-4	PT-4	PT-4	PT-4	STRC/PT-7	
154	CANINE KENNEL 2	EPXY-1/EPXY-2	-	PT-4	PT-4	PT-4	PT-4	STRC/PT-7	
155	CANINE KENNEL 1	EPXY-1/EPXY-2	-	PT-4	PT-4	PT-4	PT-4	STRC/PT-7	
156		EPXY-2	- CT 1	PT-4	PT-4	PT-4	PT-4	ACT-2	
157	GUN RANGE ENTRY VESTIBULE	CT-1	CT-1	PT-	PT-	PT-	PT-	STRC/PT-7	
158		CT-1	CT-1	PT-	PT-	PT-	PT-	STRC/PT-7	
SECOND F		EVAT	EV07	EVOT	EVAT	EVOT	EVOT	EVAT	
200	EXISTING MULTIPURPOSE ROOM	EXST	EXST	EXST	EXST	EXST	EXST	EXST	
201	EXISTING STORAGE ROOM	EXST	EXST	EXST	EXST	EXST	EXST	EXST	
202	EXISTING WOMEN'S TOILET ROOM	EXST	EXST	EXST	EXST	EXST	EXST	EXST	
	EXISTING MEN'S TOILET ROOM	EXST	EXST	EXST	EXST	EXST	EXST	EXST	

CPT CARPET VCT VINYL COMPOSITE TILE PC POLISHED CONCRETE FT FLOOR TILE WT WALL TILE PT PAINT

VB VINYL BASE WB WOOD BASE ACT ACOUSTICAL CEILING TILE

STRC EXPOSED STRUCTURE

NF NO FINISH SC SEALED CONCRETE



Corporate Headquarters 45650 Grand River Ave. Novi, Michigan 48374 Ph: (248)349-4500 • Fax: (248)349-1429

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Key Plan:

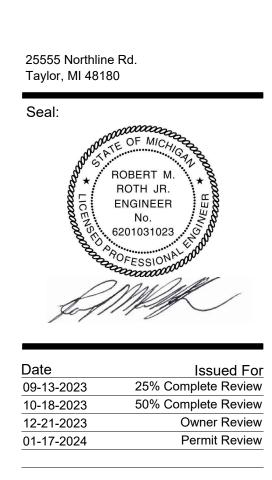


Client: City of Taylor

23555 Goddard Rd. Taylor, MI 48180

Project:

City of Taylor Animal Shelter Remodel & Expansion



Drawn:	WD/JC/NC
Checked:	WD
Approved:	MR

\_\_\_\_\_

Sheet Title: **ROOM FINISH** SCHEDULE

\_\_\_\_\_

Project Number: 22712.A

Sheet Number: A-902

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# **GENERAL NOTES:**

- A. THIS PLAN IS INTENDED TO ILLUSTRATE SPECIFIC FLOOR TILE PATTERNS, AND WALL MURAL LOCATIONS ONLY. REFER TO ROOM SCHEDULE FOR ALL FLOORING MATERIALS.
- B. PAINTED WALL MURALS WILL BE LARGE SILHOUETTES OF ANIMALS. PAINTING CONTRACTOR TO ACCOUNT FOR THESE WITHIN THE PAINTING SCOPE OF WORK. PAINTER TO CONSULT WITH ARCHITECT ON FINAL DESIGNS AND LOCATIONS PRIOR TO COMMENCEMENT OF WORK.

# FLOOR PATTERN NOTES:

(1) FLOOR TILE PATTERN

- 2 FLOOR TILE WITHIN THIS ROOM TO BE ALIGNED WITH ANGLED TOILET ROOM WALL AS SHOWN.
- 3 FLOOR TILE TO BE RE-ALIGNED PERPENDICULAR TO HALLWAY WALLS AT THIS POINT.
- 4 SEE INTERIOR WALL ELEVATION FOR WIDTH DIMENSION OF THE SMALLER TILE.
- 5 AREA OF SECOND EPOXY FLOOR COATING COLOR WITHIN THIS ROOM.
- 6 LOCATION OF PAINTED WALL MURAL. SEE GENERAL NOTES 2 ON THIS SHEET.
- (7) WALK-OFF FLOOR MAT. MAT TO BE FLUSH WITH SURROUNDING FLOOR TILE AND SEPARATED WITH SCHLUTER EDGING.



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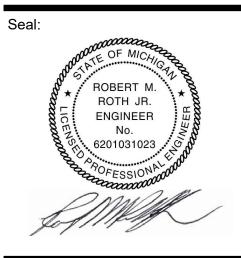


Client: City of Taylor 23555 Goddard Rd. Taylor, MI 48180

Project:

City of Taylor Animal Shelter Remodel & Expansion

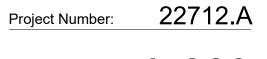
25555 Northline Rd. Taylor, MI 48180



Date	Issued For
09-13-2023	25% Complete Review
10-18-2023	50% Complete Review
12-21-2023	Owner Review
01-17-2024	Permit Review

Drawn:	WD/JC/NC
Checked:	WD
Approved:	MR

Sheet Title: FLOOR PATTERN PLAN



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### GENERAL STRUCTURAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY FULLY WITH THE APPLICABLE PROVISIONS OF MIOSHA, THE MICHIGAN BUILDING CODE, LATEST EDITION, AND THE LOCAL GOVERNING CODE, LATEST EDITIONS, AND ALL REQUIREMENTS SPECIFIED IN THE CODES SHALL BE ADHERED TO AS IF THEY WERE CALLED FOR OR SHOWN ON THE DRAWINGS. THIS SHALL NOT BE CONSTRUED TO MEAN THAT ANY REQUIREMENTS SET FORTH ON THE DRAWING MAY BE MODIFIED BECAUSE THEY ARE MORE STRINGENT THAN THE CODE REQUIREMENTS OR BECAUSE THEY ARE NOT SPECIFICALLY REQUIRED BY CODE.

PRE-ENGINEERED BUILDING DESIGN LOADS:

LIVE LOADS:	
ROOF LIVE LOAD	20 PSF
ROOF SNOW LOADS (WITH ADDITIONAL DRIFT & S	LIDING SNOW)
GROUND SNOW Pg	20 PSF
EXPOSURE FACTOR Ce	0.9
THERMAL FACTOR Ct	1.0
WIND DESIGN DATA	
BASIC WIND SPEED (3-SECOND GUST)	115 MPH
WIND EXPOSURE	В
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
EARTHQUAKE DESIGN DATA	
SEISMIC IMPORTANCE FACTOR	1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS	
SHORT PERIOD (Ss)	0.01g
1-SECOND PERIOD (S1)	0.048g
SITE CLASS	D

- PRIOR TO SUBMITTING PROPOSAL. VERIFY ALL CONDITIONS GOVERNING OR AFFECTING THE STRUCTURAL WORK. OBTAIN AND VERIFY ALL DIMENSIONS TO ENSURE THE PROPER FIT AND LOCATION OF THE STRUCTURAL WORK, TAKE ADDITIONAL DIMENSIONS AS REQUIRED, REPORT TO THE ENGINEER ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK, FAMILIARIZE YOURSELF WITH THE ACTUAL CONDITIONS OF THE STRUCTURAL WORK, ACCESS TO THE SITE, AVAILABLE STORAGE SPACE, FACILITIES AND OBSTRUCTIONS THAT MAY BE ENCOUNTERED DURING THE PROGRESS OF WORK.
- 3. CONTRACTOR TO FURNISH ALL NECESSARY LABOR, MATERIAL, EQUIPMENT AND FACILITIES TO FURNISH, FABRICATE AND PERFORM THE REQUIRED STRUCTURAL WORK.
- 4. ALL WORK SHOWN ON THESE DRAWINGS MAY BE CHECKED BY AN INDEPENDENT TESTING AGENCY RETAINED BY OWNER TO ENSURE COMPLIANCE WITH THE REQUIREMENTS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE ACCESS AS REQUIRED FOR TESTING PURPOSES.
- 5. CONTRACTOR SHALL MAKE ALL NECESSARY FIELD VISITS FOR INSPECTION, MEASUREMENTS AND VERIFICATION OF EXISTING CONDITION OF BUILDING.
- 6. THE GENERAL STRUCTURAL NOTES ARE INTENDED TO AUGMENT THE DRAWINGS AND SPECIFICATIONS. SHOULD CONFLICTS EXIST BETWEEN THE DRAWINGS, SPECIFICATION, AND/OR THE GENERAL STRUCTURAL NOTES, THE STRICTEST PROVISION AS DETERMINED BY THE ENGINEER SHALL GOVERN.
- 7. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF TEMPORARY BRACING, GUYS AND/OR TIE-DOWNS AS NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.
- 8. WORK THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, SITE AND ELECTRICAL DRAWINGS.

9. USE OF ENGINEERING DRAWINGS AS ERECTION DRAWINGS BY THE CONTRACTOR IS STRICTLY PROHIBITED. SITE PREPARATION

- 1. AT THE START OF EARTHWORK OPERATIONS, ALL SURFACE VEGETATION SHALL BE CLEARED AND THE EXISTING TOPSOIL AND ANY OTHER ORGANIC SOILS SHALL BE REMOVED IN THEIR ENTIRETY FROM BELOW THE PROPOSED BUILDING AND PAVEMENT AREAS. EXISTING RANDOM CONCRETE AND OTHER DEBRIS SHALL BE REMOVED FROM WITHIN THE BUILDING AREA.
- 2. THE SUB-GRADE SHOULD BE THOROUGHLY PROOF-ROLLED WITH A HEAVY RUBBER-TIRED VEHICLE SUCH AS A LOADED SCRAPER OR LOADED DUMP TRUCK. ANY AREAS THAT EXHIBIT EXCESSIVE PUMPING AND YIELDING DURING PROOF-ROLLING SHOULD BE STABILIZED BY AERATION, DRYING AND COMPACTION IF WEATHER CONDITIONS ARE FAVORABLE, OR REMOVAL AND REPLACEMENT WITH ENGINEERED FILL.
- 3. ALL EXCAVATIONS ARE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE, WHO SHALL BE CONSULTED WHEN POOR SOIL, WATER, OBSTRUCTIONS, PIPING, EXISTING FOOTINGS, EXCAVATIONS, ETC., ARE ENCOUNTERED.

### FOOTINGS & FOUNDATIONS

- 1. CONTRACTOR SHALL VERIFY ALL CONDITIONS, INCLUDING UNDERGROUND UTILITIES. AND FIELD MEASUREMENTS AT JOB SITE AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
- 2. PROVIDE ALL NECESSARY SHEETING, SHORING, BRACING, ETC. AS REQUIRED FOR EXCAVATIONS TO PROTECT SIDES OF EXCAVATIONS AND ADJACENT STRUCTURES.
- 3. CONTRACTOR SHALL COMPLY FULLY WITH THE REQUIREMENTS OF MIOSHA, OTHER REGULATORY AGENCIES AND THE OWNER'S SITE-SPECIFIC SAFETY PLAN AND REGULATIONS FOR SAFETY PROVISIONS.
- 4. BOTTOM OF FOOTING ELEVATIONS NOTED ON PLAN ARE MINIMUM ELEVATIONS. IN ALL CASES, FOOTINGS ARE TO BEAR ON UNDISTURBED NATURAL SOILS OR ENGINEERED FILL HAVING A MINIMUM GROSS ALLOWABLE BEARING CAPACITY OF 3000 PSF.
- 5. FOOTINGS SHALL BE CENTERED UNDER COLUMNS AND WALLS UNLESS SPECIFICALLY DETAILED OTHERWISE ON THE DRAWINGS.
- 6. NO FOOTINGS OR SLABS SHALL BE PLACED ON OR AGAINST SUB-GRADE CONTAINING FREE WATER, FROST OR ICE. SHOULD WATER OR FROST, HOWEVER SLIGHT, ENTER A FOOTING EXCAVATION AFTER SUB-GRADE APPROVAL, THE SUB-GRADE SHALL BE RE-INSPECTED BY THE TESTING LABORATORY AFTER REMOVAL OF WATER OR FROST.
- 7. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY FROST OR ICE FROM PENETRATING ANY FOOTING OR SLAB SUB-GRADE BEFORE AND AFTER PLACING OF CONCRETE UNTIL THE CONCRETE HAS REACHED ITS' DESIGN STRENGTH.
- 8. ALL FOUNDATION BEARING SOILS SHALL BE INSPECTED BY A QUALIFIED GEOTECHNICAL ENGINEER. THE TESTING SHALL INCLUDE, BUT NOT BE LIMITED TO, IDENTIFICATION OF SOILS AT AND BELOW THE FOUNDATION BEARING LEVEL, AND THE ALLOWABLE BEARING CAPACITY.
- 9. CONTRACTOR SHALL FURNISH ALL REQUIRED DEWATERING EQUIPMENT TO MAINTAIN A DRY EXCAVATION UNTIL BACKFILL IS COMPLETE.
- 10. THE FOUNDATION DESIGN IS BASED ON THE SOILS INVESTIGATION REPORT PREPARED BY PROFESSIONAL SERVICE INDUSTRIES, INC. DATED APRIL 26, 1993

### BACKFILLING

- 1. MATERIAL FOR BACKFILL OR ENGINEERED FILL REQUIRED TO ACHIEVE DESIGN GRADES SHOULD CONSIST OF NON-ORGANIC SOILS. THE ON-SITE SOILS THAT ARE FREE OF ORGANIC MATTER AND DEBRIS MAY BE USED FOR ENGINEERED FILL WITH ENGINEER'S APPROVAL.
- 2. BACKFILL MATERIAL SHALL BE COMPACTED TO 95% OF ITS' MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR METHODS (ASTM D1557), IN LIFTS NOT EXCEEDING 12-INCHES IN LOOSE THICKNESS.
- 3. FROZEN MATERIAL SHALL NOT BE USED AS FILL, NOR SHALL FILL BE PLACED ON FROZEN SUB-GRADE.
- 4. DO NOT PLACE BACKFILL AGAINST FOUNDATION WALLS UNTIL BASEMENT FLOOR LEVEL AND FIRST FLOOR LEVEL SLABS ARE IN PLACE AND HAVE REACHED 75% OF THEIR SPECIFIED DESIGN STRENGTH. SHORE AND BRACE WALLS AS REQUIRED IF BACKFILLING OPERATIONS ARE TO BE CARRIED OUT PRIOR TO PLACEMENT OF FLOOR SLABS.
- 5. PLACE BACKFILL AGAINST BOTH SIDES OF GRADE BEAMS AND FOUNDATIONS AT EQUAL ELEVATIONS OF FILL, EXCEPT AS SHOWN ON THE DRAWINGS.
- 6. CRUSHED SLAG USED AS BACKFILL SHALL BE AGED, ENVIRONMENTALLY-SAFE PROCESSED BLAST FURNACE SLAG.

CAST-IN-PLACE CONCRETE

- 1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301- LATEST REVISION, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING", EXCEPT AS MODIFIED BY STRUCTURAL REQUIREMENTS NOTED ON THE DRAWINGS.
- 2. ALL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH (f 'c) OF 4000 psi.
- 3. ALL EXTERIOR CONCRETE INCLUDING WALLS SHALL BE AIR-ENTRAINED 5% +/- 1%.
- 4. ALL EXTERIOR CONCRETE EXPOSED TO WEATHER SHALL HAVE A MAXIMUM WATER TO CEMENT RATIO OF (W/C) 0.45.
- 5. UNLESS NOTED OTHERWISE, MINIMUM CONCRETE COVER SHALL BE CONCRETE CAST AGAINST EARTH CONCRETE EXPOSED TO EARTH OR WEATHER CONCRETE NOT EXPOSED TO EARTH OR WEATHER
- 6. ALL REINFORCING SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60 (fy = 60,000 psi)
- 7. WELDED WIRE FABRIC SHALL BE FURNISHED IN FLAT SHEETS AND SHALL CONFORM TO ASTM A185 (FY = 75 KSI) AND HAVE A MINIMUM SIDE AND END LAP OF 8 INCHES.
- 8. THE CONTRACTOR SHALL SUBMIT THE CONCRETE MIX DESIGN(S) TO THE ENGINEER FOR REVIEW. PROPORTION MIX DESIGNS AS DEFINED IN ACI 301 SECTION 4. THE SUBMITTAL SHALL INCLUDE AS A MINIMUM CEMENT TYPE AND SOURCE, CEMENT CUBE STRENGTH, AGGREGATE GRADATIONS, WATER TESTS, AD-MIXTURE CATALOG INFORMATION AND CYLINDER STRENGTH TEST RESULTS FOR THE CONCRETE. THE MIX DESIGN HISTORICAL RESULTS SHALL ALSO BE SUBMITTED IF APPROPRIATE.
- 9. ALL REINFORCEMENT TO BE DETAILED, FABRICATED AND ERECTED ACCORDING TO THE ACI STANDARDS: "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT", ACI 315 - LATEST REVISION AND "MANUAL OF ENGINEERING AND PLACING DRAWINGS FOR REINFORCED CONCRETE STRUCTURES", ACI 315R - LATEST EDITION.
- 10. THE CONTRACTOR SHALL PREPARE AND SUBMIT REINFORCEMENT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. THE SHOP DRAWINGS SHALL CLEARLY SHOW ALL REINFORCEMENT LENGTHS AND BENDS, LOCATIONS OF ALL BARS, VIBRATION AND CONSTRUCTION JOINTS. THE DRAWINGS SHALL ALSO INDICATE ALL OPENINGS, SLEEVES, CURBS AND CONCRETE DIMENSIONS IN ACCORDANCE WITH ACI 315.
- 11. LAPS, ANCHORAGES AND SPLICES SHALL COMPLY WITH THE REQUIREMENTS OF ACI 318-LATEST EDITION, CHAPTER 25. LOCATIONS AND SPLICES SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION JOINT LOCATIONS, DETAILS AND AS SHOWN ON THE REINFORCING STEEL SHOP DRAWINGS.
- 12. PROVIDE DOWELS OF SAME SIZE AND SPACING AS VERTICAL REINFORCEMENT AT ALL COLUMNS AND WALLS.
- 13. UNLESS OTHERWISE SHOWN OR NOTED, AS A MINIMUM, PROVIDE TWO #5 BARS (ONE EACH FACE) AROUND UNFRAMED OPENINGS IN SLABS AND WALLS. PLACE BARS PARALLEL TO SIDES OF OPENINGS AND EXTEND THEM 24 INCHES BEYOND CORNERS.
- 14. HORIZONTAL WALL REINFORCEMENT SHALL BE CONTINUOUS WITH LAPS COMPLYING WITH THE REQUIREMENTS OF ACI 318-LATEST EDITION CHAPTER 25. UNLESS DETAILED OTHERWISE. CORNER BARS SHALL BE PROVIDED AT ALL CHANGE IN WALL DIRECTIONS AND SHALL BE OF THE SAME SIZE AND SPACING AS THE HORIZONTAL STEEL. EACH CORNER BAR LEG TO PROVIDE A LAP COMPLYING WITH THE REQUIREMENTS OF ACI 318-LATEST EDITION CHAPTER 25. SPLICE UNLESS DETAILED OTHERWISE. EXTEND ALL HORIZONTAL WALLS REINFORCING THROUGH PIERS.
- 15. ALL CONSTRUCTION JOINTS SHALL BE FURNISHED WITH KEYWAY CENTERED ON MEMBERS. WHERE THE SIZE OF KEY IS NOT SHOWN ON THE DRAWINGS, THE KEY DEPTH SHALL BE 10% OF THE CROSS SECTION DIMENSION OF THE MEMBER - MINIMUM 3/4".
- 16. ANCHOR BOLTS (FURNISHED BY STRUCTURAL STEEL CONTRACTOR) SHALL BE SET USING A TEMPLATE TO WITHIN 1/8" TOLERANCE IN ANY PLAN DIRECTION IN PIERS, FOOTINGS AND FOUNDATION WALLS, WITH THE MINIMUM PROJECTION AND EMBEDMENT LENGTHS AS INDICATED ON THE DRAWINGS.
- 17. PROVIDE 3/4" CHAMFER STRIP AT ALL EXPOSED CORNERS OF CONCRETE WALLS AND PIERS.
- 18. LOCATE ALL SLEEVES, OPENINGS, EMBEDDED ITEMS, ETC., AS INDICATED ON THE DRAWINGS. THE CONCRETE CONTRACTOR SHALL CHECK WITH ALL OTHER TRADES TO MAKE SURE THE SLEEVES. OPENINGS AND EMBEDDED ITEMS THAT ARE TO BE PROVIDED AND SET BY THEM ARE IN PLACE PRIOR TO PLACING OF CONCRETE IN THE AREA INVOLVED.
- 19. ALL INTERIOR SLABS ON GRADE SHALL BE PLACED ON A VAPOR BARRIER WITH A MINIMUM OF 4-INCHES CLEAN SAND. MINIMUM REINFORCEMENT SHALL BE IN ACCORDANCE WITH ENGINEERING DATA REPORT CRSI NUMBER 37, "REINFORCING STEEL IN SLAB ON GRADE" OR AS DETAILED. ALL EXTERIOR SLABS ON GRADE SHALL BE PLACED ON A MINIMUM OF 4-INCHES CLEAN SAND. MINIMUM REINFORCEMENT SHALL BE IN ACCORDANCE WITH ACI 318 SECTION 24.4 - SHRINKAGE AND TEMPERATURE REINFORCEMENT, OR AS DETAILED.
- 20. CONTRACTORS SHALL OBTAIN APPROVAL FROM THE ENGINEER, PRIOR TO PLACING OPENINGS OR SLEEVES, NOT SHOWN ON THE DRAWINGS, THROUGH ANY STRUCTURAL MEMBERS, ROOF, WALLS OR FOUNDATIONS. REVIEW ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR BASES, OPENINGS, SLEEVES, ANCHORS, INSERTS, CONDUITS, RECESSES AND OTHER DEVICES IN CONCRETE WORK BEFORE CASTING CONCRETE.
- 21. PROVIDE POCKETS OR RECESSES IN CONCRETE WORK FOR STEEL COLUMNS AND BEAMS AS REQUIRED AND / OR AS CALLED FOR IN THE SPECIFICATIONS EVEN IF NOT SHOWN ON THE DRAWINGS. PROVIDE CONCRETE FILL AFTER STEEL ERECTION TO SEAL OPENINGS.
- 22. REFER TO ARCHITECTURAL DRAWINGS FOR SLAB RECESSES AND/OR FLOOR FINISH MATERIALS.
- 23. WELDING OF REINFORCING STEEL IS PROHIBITED UNLESS SPECIFICALLY DETAILED. WELDING SHALL CONFORM TO AWS D1.4 SPECIFICATION, LATEST EDITION.
- 24. CONCRETE CONTRACTOR SHALL INCLUDE IN HIS ESTIMATE ADDITIONAL CONCRETE QUANTITY AS REQUIRED TO COMPENSATE FOR DEFLECTIONS OF METAL DECK AND TO PROVIDE A LEVEL CONCRETE SURFACE. REFER TO STRUCTURAL STEEL AND METAL DECK NOTES FOR ADDITIONAL CONSIDERATIONS.
- 25. THE CONCRETE SHALL BE THOROUGHLY COMPACTED BY VIBRATION SUPPLEMENTED BY SPADING, PUDDLING OR AGITATION, TO PREVENT HONEYCOMBING AND TO ENSURE THE ELIMINATION OF VOIDS. VIBRATION MUST BE DIRECT ACTION IN THE CONCRETE AND NOT AGAINST FORMS OR REINFORCEMENT. HONEYCOMBING, VOIDS AND LARGE AIR POCKETS WILL NOT BE ACCEPTABLE.
- 26. LOCATIONS OF CONTRACTION JOINTS ARE SHOWN ON THE PLAN DRAWING. THE JOINTS SHOWN MAY SERVE AS CONSTRUCTION JOINTS IF CONVENIENT FOR THE CONSTRUCTION SEQUENCE. THE LOCATION OF ANY ADDITIONAL CONSTRUCTION JOINTS PROPOSED BY THE CONTRACTOR SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER. ALL CONCRETE SLABS AND WALLS WITH CONSTRUCTION JOINTS SHALL BE PLACED PER ACI 302.1R.
- 27. THE USE OF WATER-SOLUBLE CHLORIDE ION SHALL NOT BE USED UNLESS APPROVED BY THE ENGINEER. AS AN ALTERNATIVE TO THE ABOVE, THE CONTRACTOR MAY SUBMIT A CONCRETE MIX DESIGN FOR APPROVAL TWO WEEKS PRIOR TO PLACING ANY CONCRETE. THE ALTERNATE MIX DESIGN SHALL BE REVIEWED FOR CONFORMANCE TO '02 UBC.

### STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATION: \* WIDE FLANGE AND WT SHAPES - A992
  - \* HSS RECT. A500 GRADE C (fy = 46 KSI) \* HSS ROUND - A500 GRADE C (fy = 42 KSI)
  - \* PIPE A53 GRADE B (fy = 35 KSI)
  - \* HP SHAPES A572 GR. 50 \* ALL OTHER SHAPES AND PLATES - A36
- 2. THE FABRICATOR/ERECTOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW, ENGINEERED AND CHECKED DRAWINGS SHOWING SHOP FABRICATION DETAILS, FIELD ASSEMBLY DETAILS AND ERECTION DIAGRAMS FOR ALL STRUCTURAL STEEL.
- 3. BEAM CONNECTIONS SHALL BE STANDARD TWO ANGLE WEB CONNECTIONS CAPABLE OF SUPPORTING 50% OF THE ALLOWABLE UNIFORM LOAD FROM THE ALLOWABLE LOADS ON BEAM TABLES IN THE AISC CODE, UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.
- 4. ALL CONNECTIONS NOT SPECIFICALLY DETAILED, SHALL BE DESIGNED AND DETAILED BY THE FABRICATOR. DETAILING SHALL BE PERFORMED USING RATIONAL ENGINEERING DESIGN AND STANDARD PRACTICE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE GENERAL DETAILS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND DO NOT INDICATE THE REQUIRED NUMBER OF BOLTS OR WELD SIZES, UNLESS SPECIFICALLY NOTED.
- 5. ALL CONNECTIONS SHALL BE SHOP WELDED IN ACCORDANCE WITH LATEST AWS SPECIFICATION USING E70XX ELECTRODES AND FIELD BOLTED WITH ASTM A325 OR A490 BOLTS. ALL A325 AND A490 BOLTS ARE TO BE INSTALLED IN ACCORDANCE WITH THE LATEST "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS."

3-INCHES 2-INCHES 3/4-INCHES

STRUCTURAL STEEL (CONT.)

- 6. EXCEPT AS NOTED ON THE DRAWINGS, STRUCTURAL STEEL BOLTS SHALL BE ASTM A325, 3/4" DIAMETER. ALL VERTICAL BOLTS ARE TO BE INSTALLED "HEAD UP" UNLESS SPECIFICALLY NOTED. IF A BOLT CANNOT BE INSTALLED "HEAD UP", THE THREAD IS TO BE "SPOILED" AFTER THE BOLT HAS BEEN PROPERLY TIGHTENED AND THEN INSPECTED BY THE TESTING AGENCY.
- 7. HIGH STRENGTH BOLT INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF AISC AND THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS." PROVIDE FULLY PRETENSIONED JOINTS AT CONNECTIONS OF BRACING, WHERE BOLTS ARE IN TENSION, ARE SUBJECT TO LOAD REVERSALS OR FATIGUE, AND AT MOMENT CONNECTIONS. PROVIDE SLIP-CRITICAL JOINTS AT CONNECTIONS SUBJECT TO FATIGUE AND LOAD REVERSALS, OVERSIZED HOLES, SLOTTED HOLES AND WHERE SLIP AT THE FAYING SURFACES WOULD BE DETRIMENTAL TO THE PERFORMANCE OF THE STRUCTURE. ALL OTHER CONNECTIONS MAY HAVE SNUG-TIGHTENED CONNECTIONS UNLESS OTHERWISE NOTED.
- 8. ALL SIMPLE SHEAR CONNECTIONS SHALL BE CAPABLE OF END ROTATION PER THE REQUIREMENTS OF THE AISC 360 SECTION J1.2.
- 9. ALL ANCHOR RODS SHALL CONFORM TO ASTM F1554 GR. 36.
- 10. CONTRACTOR SHALL REFERENCE ARCHITECTURAL DRAWINGS FOR MISC. SHAPES AND PLATES WHICH SHALL BE SHOP-WELDED TO THE STRUCTURAL FRAMING SECTIONS TO MINIMIZE FIELD WELDING.
- 11. ALL FLOOR AND ROOF OPENINGS, UNLESS OTHERWISE NOTED, ARE TO BE FRAMED WITH L5X3X1/4 (LLV). VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH THE TRADE INVOLVED.
- 12. PROVIDE L4X4X1/4 SEATS AT COLUMN WEBS, WHERE REQUIRED FOR SUPPORT OF ROOF AND FLOOR DECKS.
- 13. ALL BEAMS SHALL BE FABRICATED WITH THE NATURAL CAMBER UP. PROVIDE CAMBERS AS INDICATED ON THE DRAWINGS.
- 14. ALL STIFFENER PLATES AND BEARING STIFFENERS ARE TO BE PROVIDED IN PAIRS.
- 15. SHEAR CONNECTORS SHALL BE MANUFACTURED BY NELSON STUD WELDING, DIV, OR ENGINEER APPROVED SUBSTITUTE, AND WELDED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- 16. ALL STEEL TO RECEIVE ONE SHOP COAT OF PAINT. OMIT PAINT AT HOLES FOR SLIP CRITICAL-TYPE CONNECTIONS, AT STRUCTURAL STEEL TO BE FIREPROOFED, ENCASED OR IN CONTACT WITH CONCRETE, AND ON TOP FLANGE OF BEAMS RECEIVING SHEAR CONNECTORS.
- 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF ALL ERECTION PROCEDURES AND SEQUENCES WITH RELATION TO TEMPERATURE DIFFERENTIALS, ESPECIALLY WITH RESPECT TO STRUCTURAL STEEL FRAMING INTO CONCRETE WALLS, BEAMS OR COLUMNS.
- 18. PROVIDE TEMPORARY BRACING AS REQUIRED TO ENSURE STABILITY OF THE STRUCTURE UNDER FULL DESIGN LOADS UNTIL THE PERMANENT BRACING IS IN PLACE. CONTRACTOR SHALL PROVIDE NECESSARY SHORING WHERE REQUIRED DURING CONSTRUCTION.
- 19. SHOP AND FIELD TESTING OF WELDS AND OR BOLTS SHALL BE AS FOLLOWS:
- A. ALL WELDS SHALL BE VISUALLY INSPECTED. 5% AT RANDOM SHALL BE MEASURED.
- B. FILLET WELDS FOR BEAM AND GIRDER SHEAR CONNECTION PLATES (10% AT RANDOM) SHALL BE CHECKED BY MAGNETIC PARTICLE IN ACCORDANCE WITH ASTM E709 FOR FINAL PASS ONLY. C. ULTRASONICALLY TEST 100% OF ALL FULL-PENETRATION WELDS IN ACCORDANCE WITH AWS D1.1 -
- SECTION, PART 'F', "ULTRASONIC TESTING (UT) OF GROOVE WELDS".
- D. CHECK BY CALIBRATED TORQUE WRENCH, 25% OF BOLTS IN EACH FULLY PRETENSIONED CONNECTION JOINT OR SLIP-CRITICAL CONNECTION JOINT, BUT NOT LESS THAN TWO (2) BOLTS PER CONNECTION. ULTRASONICALLY TEST 100 % OF ALL PARTIAL-PENETRATION COLUMN SPLICE WELDS IN ACCORDANCE
- WITH AWS D1.1 SECTION, PART 'F', "ULTRASONIC TESTING (UT) OF GROOVE WELDS". CHECK 100% OF CONTINUITY PLATE FILLET WELDS BY MAGNETIC PARTICLE ON LAST LAYERS IN
- ACCORDANCE WITH ASTM E709. G. THE OWNER'S TESTING AGENCY SHALL PERFORM ALL SHOP AND FIELD INSPECTION AND TESTING AS OUTLINED ABOVE.
- H. THE STRUCTURAL STEEL FABRICATOR AND ERECTOR SHALL SCHEDULE ALL WORK TO ALLOW THE ABOVE TESTING REQUIREMENTS TO BE COMPLETED.
- 20. STRUCTURAL STEEL SHALL NOT BE ALTERED IN THE FIELD FROM THAT SHOWN ON THE DESIGN DRAWINGS. MISMATCHED HOLES SHALL BE REAMED TO LARGER DIAMETER AND PROPERLY SIZED BOLTS AND WASHERS USED FOR FINAL HOLE SIZE. CUTTING, BURNING OR WELDING NOT SHOWN ON DESIGN DRAWINGS SHALL NOT BE PERFORMED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER.
- 21. ALL STRUCTURAL STEEL SHALL BE DETAILED, SHOP PRIME PAINTED OR HOT-DIPPED GALVANIZED, PIECE MARKED, FURNISHED, FABRICATED AND ERECTED ACCORDING TO THE AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", LATEST EDITION AND TO THE AISC "CODE OF STANDARD PRACTICE". HOT DIP GALVANIZED FINISH FOR ALL STEEL MEMBERS EXPOSED TO THE WEATHER.
- 22. NON-SHRINK GROUT SHALL CONFORM TO "CORPS OF ENGINEERS SPECIFICATION FOR NON-SHRINK GROUT", CRD-C 621-LATEST EDITION. GROUT SHALL BE PREMIXED, NON-SHRINK, NON-CATALYZED NATURAL AGGREGATE GROUT FOR: (1) COLUMN LEVELING PLATES, WHICH ARE NOT BOLTED DOWN BEFORE COLUMN ERECTION, (2) ITEMS SET INTO CONCRETE BLOCKOUTS, DEPRESSIONS, OR TOPPINGS, AND (3) OTHER STRUCTURAL LOAD BEARING APPLICATIONS. THE SEVEN-DAY COMPRESSIVE FOR THE SPECIFIED CONSISTENCY SHALL BE AT LEAST, 7,000 PSI PLASTIC, 6,000 PSI FLOWABLE, AND 5,000 PSI FLUID CONSISTENCY.

FABRICATION AND ERECTION

- 1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC 303-10 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
- 2. ALL HOLES SHALL BE DRILLED OR PUNCHED. NO BURNING OF HOLES WILL BE PERMITTED. SLOTTED HOLES MUST HAVE STRAIGHT AND SMOOTH SIDES.
- 3. HOLES SHALL BE SIZED SUCH THAT THEY ARE  $\frac{1}{16}$  LARGER IN DIAMETER THAN THE SPECIFIED FASTENER.
- 4. ALL STRUCTURAL MATERIAL INCLUDING BEAMS, ANGLES AND PLATES TO BE FIELD MEASURED AND FIELD FABRICATED.
- 5. IN PLANNING THE METHOD OF ERECTION AND DISTRIBUTION OF MATERIAL BEFORE AND DURING ERECTION. THE CONTRACTOR SHALL MAKE FULL ALLOWANCE FOR ANY OBSTRUCTIONS ENCOUNTERED WHICH MAY RESULT FROM WORK PERFORMED BY OTHER TRADES, AS WELL AS THE OPERATIONS OF THE OWNER.
- 6. IT SHALL BE UNDERSTOOD THAT THERE WILL BE NO EXTRA CHARGE BY THE CONTRACTOR ON ACCOUNT OF ANY OBSTRUCTIONS NOW ON THE SITE OF THE BUILDING.
- 7. FURNISH AND INSTALL ANY AND ALL NECESSARY TEMPORARY BRACING TO SQUARE AND PLUMB UP ALL WORK, AS REQUIRED, BEFORE BOLTING OR WELDING.
- 8. IN CASES WHERE MEMBERS DO NOT FIT OR HOLES DO NOT MATCH, THE HOLES SHALL BE REAMED OUT AND THE NEXT LARGER SIZE BOLT INSERTED. IF THE CONNECTION REQUIRES NEW HOLES, THEN NEW HOLES SHALL BE DRILLED. NO SUCH CORRECTIONS SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER'S RESIDENT ENGINEER. BURNING OF HOLES IS STRICTLY PROHIBITED.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE CAUSED BY THE ERECTION OF STRUCTURAL STEEL AS HEREIN SPECIFIED. THE CONTRACTOR SHALL REIMBURSE THE OWNER ACTUAL COST OF REPAIR AND OR REPLACEMENT.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE/DEMOLISH AND PROPERLY DISPOSE OF EXISTING STEEL, AS REQUIRED FOR THE INSTALLATION OF NEW STEEL.
- 11. CONTRACTOR IS RESPONSIBLE TO DESIGN, PROVIDE AND INSTALL NECESSARY SHORING DURING DEMOLITION AND REPLACEMENT OF STRUCTURAL STEEL. THE SHORING PLAN SHALL BE DESIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MICHIGAN.
- 12. TEMPORARILY SUPPORT ALL EXISTING UTILITIES IN WORK AREA AS REQUIRED TO COMPLETE SCOPE-OF-WORK ITEMS
- 13. PRIOR TO THE COMPLETION OF THE SCOPE OF WORK, INSTALL PERMANENT SUPPORTS TO ALL EXISTING UTILITIES AFFECTED BY WORK AREA AS REQUIRED TO THE SATISFACTION OF THE OWNER.

HANDLING OF STEEL

- 1. WHEN THE STRUCTURAL STEEL IS DELIVERED, IT SHALL BE STACKED OFF THE GROUND. CARE SHALL BE TAKEN IN HANDLING AND STACKING THE MEMBERS TO PREVENT BUCKLING, KINKING OR DISTORTION. RAIL AND CARRIER SHIPMENTS SHALL HAVE SUFFICIENT AND SATISFACTORY DUNNAGE TO PREVENT DAMAGE IN TRANSIT.
- 2. MEMBERS WHICH ARE BENT IN FABRICATION OR IN HANDLING SHALL BE STRAIGHTENED OR REPLACED BEFORE ERECTION.
- 3. ALL DIRT, MUD AND DEBRIS SHALL BE CLEANED FROM STEEL BEFORE ERECTION.

HIGH STRENGTH BOLTS

- WELDING

- 2) SUBMERGED ARC. 4) FLUX-CORED ARC.
- ERECTORS OPTION.

- PERSONNEL.

# OPEN WEB JOISTS

OWNER.

PLAN.

METAL DECK

1. HIGH STRENGTH BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM DESIGNATION A325 AND SHALL BE USED IN ACCORDANCE WITH "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" LATEST REVISION, BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS.

2. ALL BOLTED CONNECTIONS SHALL USE ONLY STANDARD HOLES; EXCEPT SHORT SLOTS, OVERSIZED HOLES AND LONG SLOTS SHALL BE USED WHERE SPECIFICALLY SHOWN OR CALLED OUT ON THE DESIGN DRAWINGS OR MENTIONED HEREIN. OVERSIZED HOLES, AND SHORT AND LONG SLOTS MUST BE TREATED AS SLIP-CRITICAL TYPE CONNECTIONS. HARDENED WASHERS SHALL BE INSTALLED OVER ALL OVERSIZED HOLES AND SHORT SLOTS IN AN OUTER PLY. A PLATE WASHER OR A CONTINUOUS BAR IS REQUIRED FOR ALL LONG SLOTTED HOLES USED IN AN OUTER PLY.

3. THE TIGHTENING MECHANISM USED SHALL BE THE TURN-OF-THE-NUT METHOD. CONTACT SURFACE SHALL NOT BE PAINTED. IN EACH JOINT OR GROUP OF BOLTS 10% (BUT NOT LESS THAN TWO (2) BOLTS) SELECTED AT RANDOM AND NOT IN UNIFORM PATTERN SHALL BE CHECKED. THIS SHALL BE DONE IN THE PRESENCE OF THE OWNER'S DESIGNATED REPRESENTATIVE. IF BOLTING IS FOUND TO BE INADEQUATE UNDER TEST, ALL BOLTS IN THE DEFECTIVE GROUP SHALL BE CHECKED AT THE CONTRACTOR'S EXPENSE.

1. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY AWS D1.1 - LATEST ADOPTION "STRUCTURAL WELDING CODE-STEEL".

2. FILLER METAL FOR WELDING SHALL BE IN ACCORDANCE WITH SECTION 3, TABLE 3.1., OF THE AWS D1.1 "STRUCTURAL WELDING CODE - STEEL".

3. ALL WELDED JOINTS SHALL BE MADE USING PRE-QUALIFIED WELDS OR QUALIFIED PER SECTION 4 OF THE AWS D1.1 "STRUCTURAL WELDING CODE - STEEL". ALL QUALIFIED JOINTS ARE LIMITED TO THOSE MADE BY THE FOLLOWING WELDING PROCEDURES:

1) MANUAL SHIELDED METAL ARC.

3) GAS METAL ARC (EXCEPT SHORT CIRCUITING TRANSFER).

4. ALL FIELD WELDING SHALL BE PERFORMED USING THE MANUAL SHIELDED METAL ARC PROCESS OR FCAW @

5. WELDS, INCLUDING TACK WELDS, SHALL BE MADE ONLY BY WELDERS AND WELDING OPERATORS WHO HAVE BEEN PREVIOUSLY QUALIFIED BY TESTS AS PRESCRIBED BY THE AWS D1.1 "STRUCTURAL WELDING CODE -STEEL" AND HAVE CURRENT PAPERS FOR THE TYPE OF JOINT, POSITION AND PROCESS TO BE WELDED.

6. CONTRACTOR TO SUBMIT CURRENT WELDER QUALIFICATION PAPERS TO ENGINEER PRIOR TO COMMENCING WELDING OPERATIONS.

7. THE MINIMUM SIZE FILLET WELD SIZE SHALL BE 3/16". THE SIZE AND LENGTH OF ALL FILLETS SHALL BE PROPORTIONED NOT TO LOCALLY OVERSTRESS THE CONNECTED MEMBERS.

8. FILLET WELDS ON CONNECTING ANGLES OR OTHER UNSYMMETRICAL SECTIONS SHALL BE DESIGNED ACCORDING TO THE ACTUAL STRESSES CARRIED BY THE INDIVIDUAL LINES OF WELDING. SHOP DRAWINGS SHALL INDICATE WELDS REQUIRED.

9. BEFORE WELDING MEMBERS TO EXISTING BEAMS OR COLUMNS, THOROUGHLY CLEAN ALL SURFACES TO REMOVE RUST, PAINT, OILS, DIRT OR OTHER FOREIGN MATTER IN THE AREA OF WELD.

10. WHERE WELDING IS USED, THE OWNER MAY DECIDE TO MAKE NON-DESTRUCTIVE TESTS OF THE WELDS USING RADIOGRAPHY, ULTRASONIC, MAGNETIC AND/OR DYE PENETRANT WELD TEST METHODS IN COMBINATION OR SINGULARLY. THE NON-DESTRUCTIVE INVESTIGATION WILL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY QUALIFIED IN THIS TYPE OF WORK. THE COST OF THIS INVESTIGATION WILL BE ASSUMED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ACCESS AS REQUIRED FOR TESTING

11. WELD ACCEPTABILITY SHALL BE BASED ON AWS D1.1-LATEST EDITION "STRUCTURAL WELDING - CODE STEEL" CLAUSE 6. IN THE EVENT THE WELDING IS NOT ACCEPTABLE, THE CONTRACTOR SHALL REMOVE ALL REJECTED WELDS AND REWELD ALL SUCH AREAS. THE CONTRACTOR WILL ASSUME ALL COSTS IN CONNECTION WITH THE REWELDING AND RE-EXAMINATION OF THE REWELDED CONNECTIONS UNTIL THE WELDING IS ACCEPTED BY

1. ALL OPEN WEB STEEL JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST "STEEL JOIST INSTITUTE" (SJI) SPECIFICATIONS.

WHERE NOTED, JOISTS SHALL BE DESIGNED FOR ADDITIONAL CONCENTRATED LOADS AND MOMENTS INDICATED IN SCHEDULES. SUBMIT DESIGN CALCULATIONS FOR REVIEW BY ARCHITECT-ENGINEER.

3. ALL JOISTS TO RECEIVE ONE COAT OF PAINT OR BE HOT-DIP GALVANIZED PER SPECIFICATIONS.

4. JOIST TO STEEL CONNECTIONS SHALL BE A MINIMUM OF TWO 3/16" FILLET WELDS 1 ½" LONG, EXCEPT AT COLUMNS OR AS REQUIRED TO RESIST LOADS SHOWN ON THE DRAWINGS. AT COLUMNS, JOISTS SHALL BE ATTACHED BY 3/4" DIAMETER BOLTS. JOISTS BEARING ON MASONRY OR CONCRETE SHALL BE FIELD WELDED TO ANCHORED BEARING PLATES, SIZED AS INDICATED.

5. EXTEND JOIST BOTTOM CHORDS AT COLUMNS. CONNECT BOTTOM CHORD AFTER DEAD LOAD IS APPLIED, IF INDICATED AS SUCH ON THE DRAWING. SIZE CONNECTION TO SUIT DETAILED LOADS.

6. MODIFY STANDARD JOIST FOR ADDITIONAL LOADS GIVEN ON PLAN OR FOR THE SPECIAL LOADING DIAGRAMS ON THE DRAWINGS. MODIFY JOIST SEATS WHERE INDICATED.

7. BRIDGING SHALL MEET THE MINIMUM REQUIREMENTS OF SJI UNLESS DETAILED OTHERWISE. HORIZONTAL BRIDGING SHALL BE CONTINUOUS TOP AND BOTTOM, ANCHORED AT EACH END AND WELDED TO EACH JOIST. DIAGONAL BRIDGING SHALL BE BOLTED TO EACH JOIST AND CLAMPED AT THE INTERSECTION WITH THE OPPOSITE BRIDGING.

8. ALL STEEL JOISTS SHALL BE CAMBERED FOR DEFLECTION DUE TO DEAD LOADS OR AS SPECIFICALLY NOTED ON

FOR JOISTS AND SPECIAL JOISTS LIVE LOAD DEFLECTION SHALL NOT EXCEED L/360.

10. FOR POINT LOADS SUPPORTED BY THE JOIST NOT AT THE PANEL POINTS, ADD SUPPLEMENTAL BRACING OR STRUTS IN ACCORDANCE WITH SJI.

1. ALL METAL DECK SHALL BE AS NOTED ON DRAWINGS, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST "STEEL DECK INSTITUTE" (SDI) SPECIFICATIONS.

2. THE CONTRACTOR SHALL FURNISH ALL ACCESSORIES INCLUDING CLOSURES, "Z" CLOSURES, COLUMN CLOSURES, SCREED ANGLES AND GIRDER FILLERS AS REQUIRED.

3. ROOF DECK SHALL HAVE A GALVANIZED COATING CONFORMING TO ASTM A653 - COATING DESIGNATION G-60. 4. DESIGN OF FLOOR DECK AS A FORM SHALL CONFORM TO THE REQUIREMENTS OF SDI SPECIFICATIONS AND COMMENTARIES FOR COMPOSITE STEEL FLOOR DECK, EXCEPT THAT CALCULATED THEORETICAL DEFLECTIONS AS DEFINED UNDER PARAGRAPH 3.3 SHALL NOT EXCEED L/240 OR 1 INCH, WHICHEVER IS SMALLER.

5. THE METAL DECK SHALL BE DESIGNED TO BE CONTINUOUS OVER THREE (3) SPANS MINIMUM IN THE DIRECTION INDICATED. SINGLE AND DOUBLE SPANS, IF REQUIRED, SHALL SATISFY LOAD AND DEFLECTION REQUIREMENTS.

6. COMPOSITE FLOOR DECK SHALL HAVE A GALVANIZED COATING CONFORMING TO ASTM A653 - COATING DESIGNATION G-60.

7. THE FABRICATOR/ERECTOR SHALL PROVIDE ENGINEERING CALCULATIONS, PUBLISHED MANUFACTURER'S DATA AND INDEPENDENTLY CERTIFIED TEST DATA, VERIFYING THE SPECIFIED DECK REQUIREMENTS TO THE ENGINEER FOR REVIEW. PROVIDE ENGINEERING AND CHECKED SHOP DRAWINGS, INDICATING LOCATION, GAGE AND SIZE OF EACH PIECE OF DECKING. THE DRAWING SHALL CLEARLY SHOW WELDING DETAILS TO STRUCTURAL FRAMING AND SIDE LAP CONNECTION DETAILS.

8. ALL NON-CELLULAR METAL DECK SHALL BE WIDE-RIB, SUITABLE FOR SHEAR STUD PLACEMENT WHERE STUDS ARE REQUIRED. THE CONFIGURATION OF THE METAL DECK SHALL BE SUCH AS TO DEVELOP THE FULL SHEAR VALUE OF THE STUD FOR THE PARTICULAR WEIGHTS OF THE CONCRETE AS LISTED IN THE AISC SPECIFICATIONS, LATEST EDITION, THE METAL DECK CONTRACTOR SHALL PROVIDE VERIFICATION OF THE STUD VALUES AND PROVIDE ADDITIONAL STUDS AS REQUIRED.

9. ALL DECKING SHALL BE WELDED TO THE STRUCTURAL STEEL BY QUALIFIED WELDERS USING PRE-QUALIFIED PROCEDURES IN ACCORDANCE WITH AWS D1.1 SECTION 7. LATEST EDITION. THE ERECTOR SHALL ESTABLISH A WELDING PROCEDURE FOR THE STEEL DECKING TO THE STRUCTURAL STEEL FOR THE PARTICULAR GAGE USED. PRIOR TO THE START OF ERECTION OF THE STEEL DECK, EACH WELDER SHALL BE QUALIFIED USING THIS PROCEDURE AS WITNESSED BY THE OWNER'S TESTING AGENCY.



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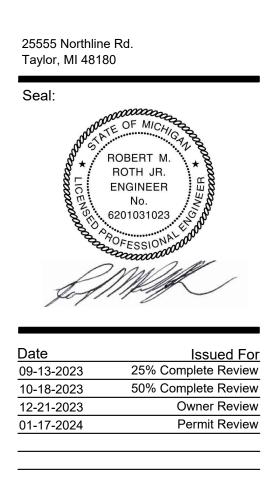


Client:

City of Taylor 23555 Goddard Ro Taylor, MI 48180

Project:

City of Taylor Animal Shelter Remodel & Expansion



Drawn:	WD/JC/NC
Checked:	WD
Approved:	MR

# Sheet Title: STRUCTURAL GENERAL NOTES

Project Number:

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METAL DECK (CONT.)

- 10. ALL METAL DECK SHALL BE WELDED AT 12-INCHES ON CENTER MAXIMUM SPACING TO THE SUPPORTING STEEL WITH A MINIMUM 5/8 INCH DIAMETER PUDDLE WELD. SIDE LAPS SHALL BE FASTENED AT 36-INCHES ON CENTER MAXIMUM SPACING.
- 11. NO LOADS SHALL BE PERMITTED TO BE HUNG FROM ANY ROOF DECK. ALL HANGERS FOR CEILINGS, DUCTWORK, ELECTRICAL CONDUIT, PIPING, ETC. SHALL BE HUNG DIRECTLY FROM STRUCTURAL STEEL WORK OR SUPPLEMENTARY MEMBERS.

12. ALTERNATE PAF OR SCREW FASTENERS ARE ACCEPTABLE ALTERNATES.

MASONRY

- 1. CONCRETE MASONRY UNITS (CMU) SHALL BE LAID WITH TYPE S OR M MORTAR AND ALL MORTAR SHALL CONFORM TO ASTM C270. MORTAR MAY BE EITHER TYPE N OR S U.N.O. - USE PORTLAND CEMENT/LIME FOR MORTAR.
- 2. CONCRETE MASONRY UNIT (CMU) PANELS SHALL HAVE HORIZONTAL JOINT REINFORCEMENT SPACED NOT MORE THAN 16 INCHES ON CENTER, LOCATED IN THE MORTAR BED JOINT, AND EXTENDING THE ENTIRE LENGTH OF THE PANEL, BUT NOT ACROSS EXPANSION JOINTS. LONGITUDINAL WIRES SHALL BE LAPPED A MINIMUM OF 6 IN. AT SPLICES. JOINT REINFORCEMENT SHALL BE PLACED IN THE PANEL. THE REINFORCEMENT SHALL BE PLACED IN THE BED JOINT IMMEDIATELY BELOW AND ABOVE OPENINGS IN THE PANEL. THE REINFORCEMENT SHALL HAVE NOT LESS THAN TWO PARALLEL LONGITUDINAL WIRES OF SIZE W1.7, AND HAVE WELDED CROSS WIRES OF SIZE W1.7.
- 3. CONCRETE MASONRY HAS BEEN DESIGNED IN ACCORDANCE WITH THE TMS 402/ACI 530/ASCE 5 BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES AND TMS 602/ACI 530/ASCE 6 SPECIFICATION FOR MASONRY STRUCTURES.
- 4. ALL CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO ASTM C-90 GRADE N-1. CONCRETE MASONRY TO HAVE 28-DAY COMPRESSIVE STRENGTH FOR AN AVERAGE OF 3 UNITS OF AT LEAST f'm=1900 psi.
- 5. SPECIAL INSPECTION OF MASONRY CONSTRUCTION IS REQUIRED. REFER TO ACI 530, PART 1 AND MICHIGAN BUILDING CODE 2015, TABLE 1705.3 FOR MINIMUM QUALITY ASSURANCE REQUIREMENTS.
- 6. CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO THE FOLLOWING STANDARDS: HOLLOW LOAD-BEARING UNITS

HOLLOW LOAD-BEARING UNITS.	ASTIVI C90
TYPE I, GRADE N	
SOLID LOAD-BEARING UNITS:	ASTM C145
MEDIUM WEIGHT UNITS:	110 TO 125 PCF
REGULAR WEIGHT UNITS:	135 PCF

- 7. POURABLE CONSISTENCY GROUT SHALL BE USED TO FILL CAVITIES AT BEAM, JOIST AND METAL DECK BEARING, AT VERTICAL FILL OF HOLLOW CORES, AND IN BOND BEAMS AND REINFORCED MASONRY BEAMS, PIERS OR COLUMNS. GROUT SHALL CONFORM TO ASTM C476 WITH MINIMUM 28 DAY COMPRESSION STRENGTH OF 3000 PSI.
- 8. STEEL BAR REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60. HORIZONTAL JOINT REINFORCEMENT SHALL BE LADDER OR TRUSS TYPE.
- 9. VERTICAL CELLS CONTAINING REINFORCING AND GROUT SHALL FORM A CONTINUOUS CAVITY, FREE OF MORTAR DROPPINGS.
- 10. VERTICAL REINFORCING SHALL BE FULLY GROUTED IN THE CORES OF THE CONCRETE MASONRY UNITS AND SHALL BE LAPPED A MINIMUM OF 40 BAR DIAMETERS BUT NOT LESS THAN 24 INCHES. THE VERTICAL REINFORCEMENT SHALL BE LAPPED WITH DOWELS OF SAME SIZE AND SPACING WHICH HAVE BEEN PREVIOUSLY INSTALLED IN THE FOUNDATIONS. EMBEDMENT OF DOWELS SHALL CONFORM TO THE REQUIREMENTS OF ACI 318.
- 11. VERTICAL REINFORCING SHALL BE PLACED IN THE CENTER OF THE CELL, UNLESS SPECIFICALLY SHOWN OTHERWISE. ALLOWABLE SPACING TOLERANCE IS  $\pm \frac{1}{2}$ ". THE USE OF REINFORCEMENT BAR POSITIONERS IS REQUIRED.
- 12. GROUTING OF MASONRY WALLS SHALL CONFORM TO THE RECOMMENDED PROCEDURE FOR "LOW LIFT GROUTING" OR "HIGH LIFT GROUTING" AS OUTLINED IN THE NCMA - TEK NOTE #3-2A - GROUTING CONCRETE MASONRY WALLS.
- 13. LIFTS OF GROUT SHALL BE KEYED 4 INCHES INTO THE PREVIOUS COURSE OF MASONRY BELOW.
- 14. SAMPLING AND TESTING OF MORTAR AND GROUT SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE NCMA - TEK NOTE #107 LABORATORY AND FIELD TESTING OF MORTAR AND GROUT.
- 15. TESTING OF MASONRY PRISMS SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE NCMA-TEK NOTE #18-01B - EVALUATING THE COMPRESSIVE STRENGTH OF CONCRETE MASONRY - 2012 IBC/2011 MSJC.
- 16. HOLLOW MASONRY UNIT SHALL HAVE FACE SHELL BEDDING EXCEPT FOR PIERS, COLUMNS, PILASTERS, THE COURSE IMMEDIATELY ABOVE FDNS, AND WHERE CONTAINMENT OF GROUT OR LOOSE FILL INSULATION REQUIRES THAT WEBS AND FACE SHELLS BE MORTARED. IN FULLY GROUTED OR UNGROUTED MASONRY ONLY THE FACE SHELLS NEED TO BE MORTARED UNLESS OTHERWISE NOTED.
- 17. PROVIDE CONTROL JOINTS IN ABOVE GRADE EXPOSED MASONRY WALLS FOR THE FOLLOWING CONDITIONS:
- A. AT THE PERPENDICULAR WALLS; ONE-HALF CONTROL JOINT SPACING FROM THE CORNERS. B. AT CHANGE IN WALL HEIGHT.
- C. AT CHANGE IN WALL THICKNESS.
- D. AT 25'-0" O.C. IN LONG CONTINUOUS WALLS.

### SPECIAL INSPECTIONS & TESTS

SPECIAL INSPECTION SHALL MEET THE REQUIREMENTS OF IBC SECTION 1704. SPECIAL INSPECTOR(S) SHALL BE HIRED BY THE OWNER TO PERFORM THE REQUIRED SPECIAL INSPECTIONS. THE NAMES OF PERSONS OR FIRMS WHO ARE TO PERFORM THE SPECIAL INSPECTIONS SHALL BE FORWARDED TO THE BUILDING OFFICIAL FOR APPROVAL. THE SPECIAL INSPECTOR(S) SHALL COMPLETE AND SUBMIT ALL FORMS REQUIRED BUILDING OFFICIAL.

- THE SPECIAL INSPECTOR(S) SHALL: A. OBSERVE THE WORK ASSIGNED FOR CONFORMANCE TO THE APPROVED DRAWING AND SPECIFICATIONS. B. FURNISH INSPECTION REPORTS TO THE ENGINEER OF RECORD AND BUILDING DEPARTMENT. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF NOT
- CORRECTED, TO THE ENGINEER AND THE BUILDING DEPARTMENT. C. SUBMIT TO THE ENGINEER OF RECORD AND THE BUILDING DEPARTMENT A SIGNED FINAL REPORT STATING THAT THE WORK WAS IN CONFORMANCE WITH THE APPROVED DRAWINGS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE IBC.

2. SPECIAL INSPECTION NOTES:

- A. CONTINUOUS SPECIAL INSPECTION IS ALWAYS REQUIRED DURING THE PERFORMANCE OF THE WORK UNLESS SPECIFICALLY NOTED BELOW.
- B. WHERE FABRICATION OF THE STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP, CONTINUOUS SPECIAL INSPECTION IS REQUIRED DURING THE PERFORMANCE OF THE WORK EXCEPT AS ALLOWED IN IBC SECTION 1704.2.5 AND UNLESS SPECIFICALLY NOTED BELOW.
- C. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE SPECIAL INSPECTOR(S) WITH ADVANCE NOTICE, NO LESS THAN ONE WORKING DAY, OF THE INITIATION OF ANY WORK REQUIRED TO HAVE SPECIAL INSPECTIONS. ALL WORK PERFORMED WITHOUT REQUIRED SPECIAL INSPECTION WILL BE SUBJECT TO REMOVAL.
- 3. TYPES OF WORK REQUIRING SPECIAL INSPECTIONS ARE:
- A. STRUCTURAL STEEL ELEMENTS OF BUILDINGS AND STRUCTURES AS REQUIRED BY IBC SECTION 1705.2.1 AND AISC 360 SECTION 'N'. COLD-FORMED STEEL DECK AS REQUIRED BY IBC SECTION 1705.2.2 AND SDI QA/QC.
- OPEN-WEB STEEL JOISTS AND JOIST GIRDERS AS REQUIRED BY IBC SECTION 1705.2.3 AND TABLE 1705.2.3, AS С. FOLLOWS: PERIODIC SPECIAL INSPECTION IN COMPLIANCE WITH SJI SPECIFICATIONS, SECTION 2207.1 FOR INSTALLATION
- OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS REQUIRED FOR: a. END CONNECTIONS - WELDING OR BOLTED. BRIDGING - HORIZONTAL OR DIAGONAL. APPLIES TO BOTH STANDARD BRIDGING AND BRIDGING THAT b.
- DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1 D. CONCRETE CONSTRUCTION AS REQUIRED BY IBC SECTION 1705.3 AND TABLE 1705.3, AS FOLLOWS: WELDING OF REINFORCING BARS AS REQUIRED BY IBC SECTION 1705.3.1 AND IN COMPLIANCE WITH
- AWS D1.4 FOR SPECIAL INSPECTION AND AWS D1.4 FOR SPECIAL INSPECTOR QUALIFICATION. MATERIAL TESTS AS REQUIRED BY IBC SECTION 1705.3.2 AND ACI 318, CHAPTERS 19 AND 20. b.

	IBC TABLE 1705.3 - REQ'D. SPECIAL INSPECTION OF CONC	. CONSTRU	CTION
	INSPECTION TYPE	CONTINUOUS INSPECTION	
1.	INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.		X
2. a.	REINFORCING BAR WELDING: VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706		
а. b. c.	INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM $5_{16}^{\prime\prime}$ ; AND	x	X X
3.			
4 <u>.</u> a.		X	
b.	ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.		x
5.	VERIFY USE OF REQUIRED DESIGN MIX.		X
6.	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	, <b>X</b>	
7.	INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	x	
8.	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		x
9. a.	INSPECT PRESTRESSED CONCRETE FOR: APPLICATION OF PRESTRESSING FORCES; AND	x	
b.	GROUTING OF BONDED PRESTRESSING TENDONS.	X	
	INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.		X
11.	VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.		x
12.	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		X
•	MASONRY CONSTRUCTION AS REQUIRED BY IBC SECTION 1709 SPECIAL INSPECTIONS OF TMS 402/ACI 530/ASCE 5 AS FOLLOW TMS TABLE 3.1.2 - LEVEL B QUALITY ASSURANCE	S:	EL B
	MASONRY CONSTRUCTION AS REQUIRED BY IBC SECTION 1709 SPECIAL INSPECTIONS OF TMS 402/ACI 530/ASCE 5 AS FOLLOW TMS TABLE 3.1.2 - LEVEL B QUALITY ASSURANCE INSPECTION TASK	S:	PECIAL
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1. 2. <u>a.</u> <u>b.</u> <u>c.</u> d. <u>e.</u> f.	MASONRY CONSTRUCTION       AS REQUIRED BY IBC SECTION 1703         SPECIAL INSPECTIONS OF TMS 402/ACI 530/ASCE 5 AS FOLLOW         TMS TABLE 3.1.2 - LEVEL B QUALITY ASSURANCE         INSPECTION TASK         VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS         AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:         PROPORTIONS OF SITE-PREPARED MORTAR       CONSTRUCTION OF MORTAR JOINTS         GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES       LOCATION OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES         PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY       PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY         PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:       GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND	S: MINIMUM SF INSPECTION FR	PECIAL EQUENCY X X X X X X X X X X
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1. 2. 6. 6. 7. 8. 7. 8. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	MASONRY CONSTRUCTION AS REQUIRED BY IBC SECTION 1703         SPECIAL INSPECTIONS OF TMS 402/ACI 530/ASCE 5 AS FOLLOW         IMSTABLE 3.1.2 - LEVEL B QUALITY ASSURANCE         INSPECTION TASK         VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS         AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:         PROPORTIONS OF SITE-PREPARED MORTAR         CONSTRUCTION OF MORTAR JOINTS         GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES         LOCATION OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES         PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY         PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES         PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES         PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES         PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS         CONSTRUCTION OF MORTAR JOINTS         VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: GRADE, TYPE, SIZE, AND LOCATION OF STRUCTURAL ELEMENTS         TYPE, SIZE, AND LOCATION OF STRUCTURAL ELEMENTS         VERIFY DURING CONSTRUCTION: SIZE AND LOCATION OF STRUCTURAL ELEMENTS	S: MINIMUM SF INSPECTION FR X X X X X X	PECIAL EQUENCY X X X X X X X X X X X X X X X X X X X
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1. 2. 2. d. d. f. 3. a. b. c. d. d. 4. 4. 4. a. b. b. c. d. d. d. c. d. d. d. d. d. d. d. d. d. d. d. d. d.	MASONRY CONSTRUCTION AS REQUIRED BY IBC SECTION 1703         SPECIAL INSPECTIONS OF TMS 402/ACI 530/ASCE 5 AS FOLLOW         INSPECIAL INSPECTIONS OF TMS 402/ACI 530/ASCE 5 AS FOLLOW         INSPECIAL INSPECTIONS OF TMS 402/ACI 530/ASCE 5 AS FOLLOW         INSPECTION TASK         INSPECTION TASK         VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS         AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:         PROPORTIONS OF SITE-PREPARED MORTAR       CONSTRUCTION OF MORTAR JOINTS         GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES       LOCATION OF MORTAR JOINTS         GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES       PRESTRESSING TECHNIQUE         PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY       PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY         PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:       GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND         PRESTRESSING TENDONS AND ANCHORAGES       PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES         PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING GROUT       FOR BONDED TENDONS         CONSTRUCTION OF MORTAR JOINTS       VERIFY DURING CONSTRUCTION:         SIZE AND LOCATION OF STRUCTURAL ELEMENTS       TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF REINFORCEMENT         PREPARATION, CONSTRUC	S: MINIMUM SF INSPECTION FR X X X X X X	PECIAL EQUENCY X X X X X X X X X X X X X X X X X X X

F. SOILS AS REQUIRED BY IBC 1705.6 AND TABLE 1705.6 AS FOLLOWS: 1. PERIODIC SPECIAL INSPECTION REQUIRED TO: VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN a. BEARING CAPACITY. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL. b PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS. C. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN d. PREPARED.

2. CONTINUOUS SPECIAL INSPECTION REQUIRED TO: VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND а. COMPACTION OF COMPACTED FILL. COMPACTED SOIL BACKFILL IN COMPLIANCE WITH SECTION 1803 SHALL REQUIRE b.

SPECIAL INSPECTIONS IN ACCORDANCE WITH ASTM D1557. b.a.

G. FABRICATED ITEMS AS REQUIRED BY IBC SECTION 1705.10 AND SECTION 1704.2.5.



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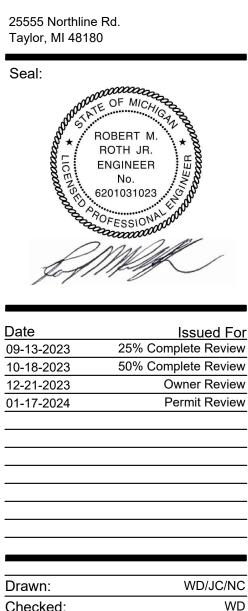
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Client: City of Taylor 23555 Goddard Ro Taylor, MI 48180

Project:

City of Taylor **Animal Shelter** Remodel & Expansion

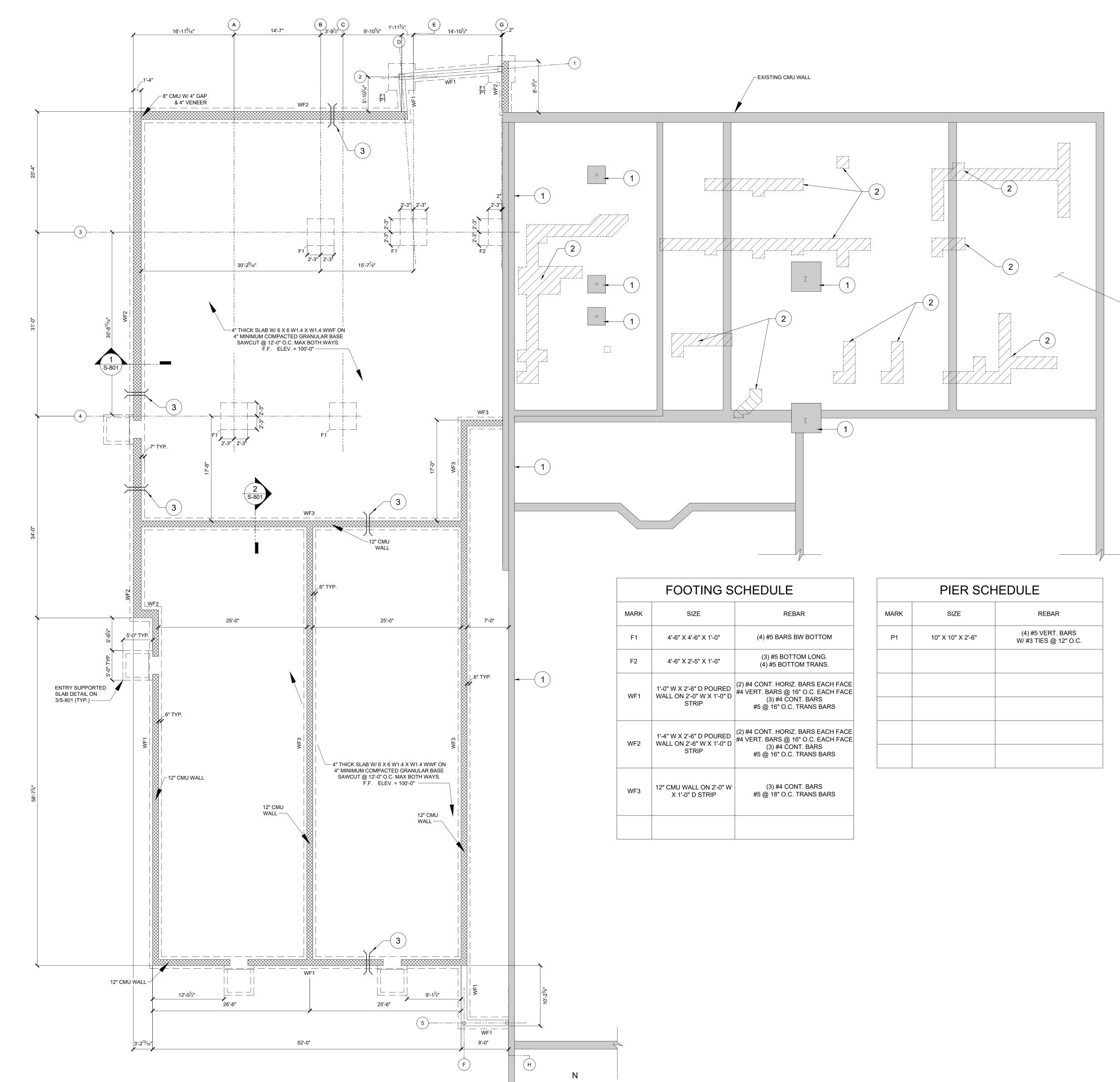


Checked: MR Approved: Sheet Title:

STRUCTURAL **GENERAL NOTES** 

22712.A Project Number:

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FOUNDATION PLAN

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

(1) S-100

NEW



- 1 EXISTING FOOTINGS
- 2 APPROXIMATE LOCATION AND SIZE OF CONCRETE FLOOR SLAB TO BE REPLACED AS NEEDED AFTER INSTALLING NEW FLOOR DRAINS AND ASSOCIATED PIPING.
- 3 APPROXIMATE LOCATION OF PLUMBING SLEEVE. COORDINATE W/ SITE UTILITIES & PLUMBING PLANS.



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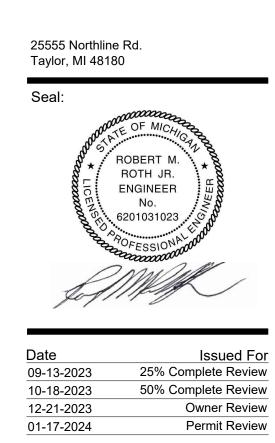
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<sup>Client:</sup> City of Taylor 23555 Goddard Rd. Taylor, MI 48180

Project:

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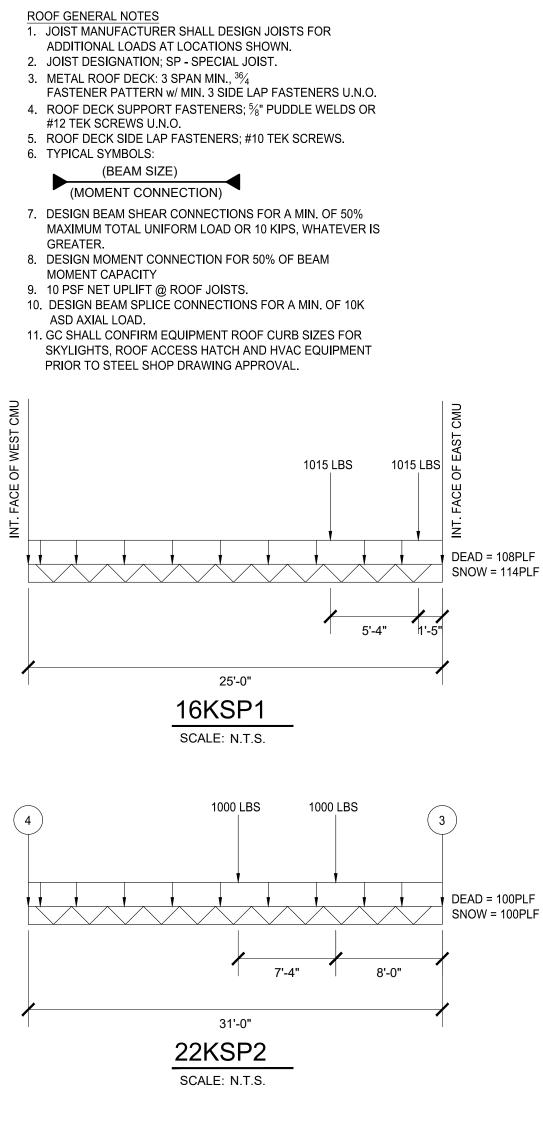
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Project Number: 22712.A

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- EXISTING 4" CONC. SLAB-ON-GRADE

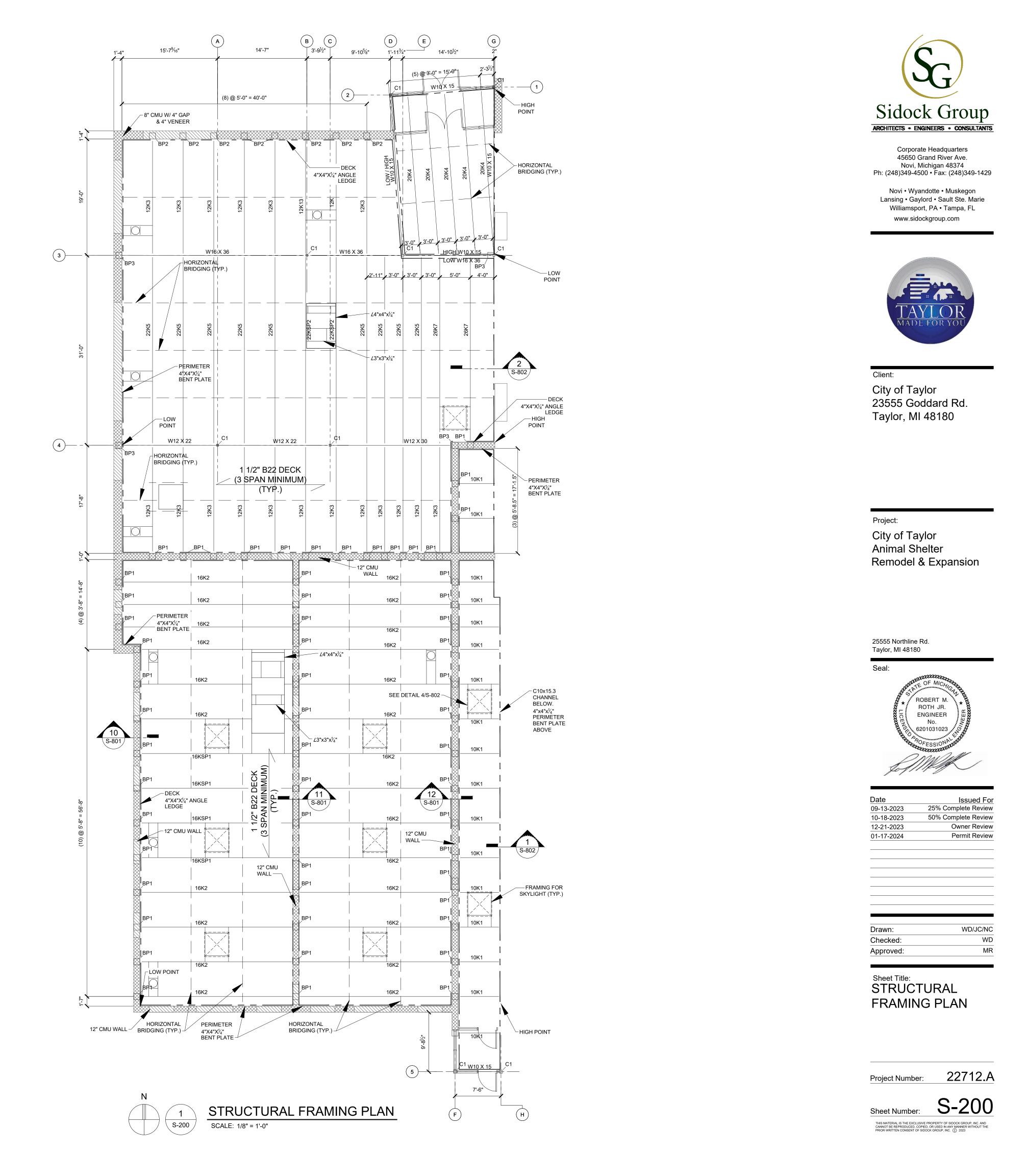


COLUMN SCHEDULE			
	DESCRIPTION	BASEPLATE	ANCHORS

C1 HSS 4" X 4" X 3/1	6" TBD	TBD

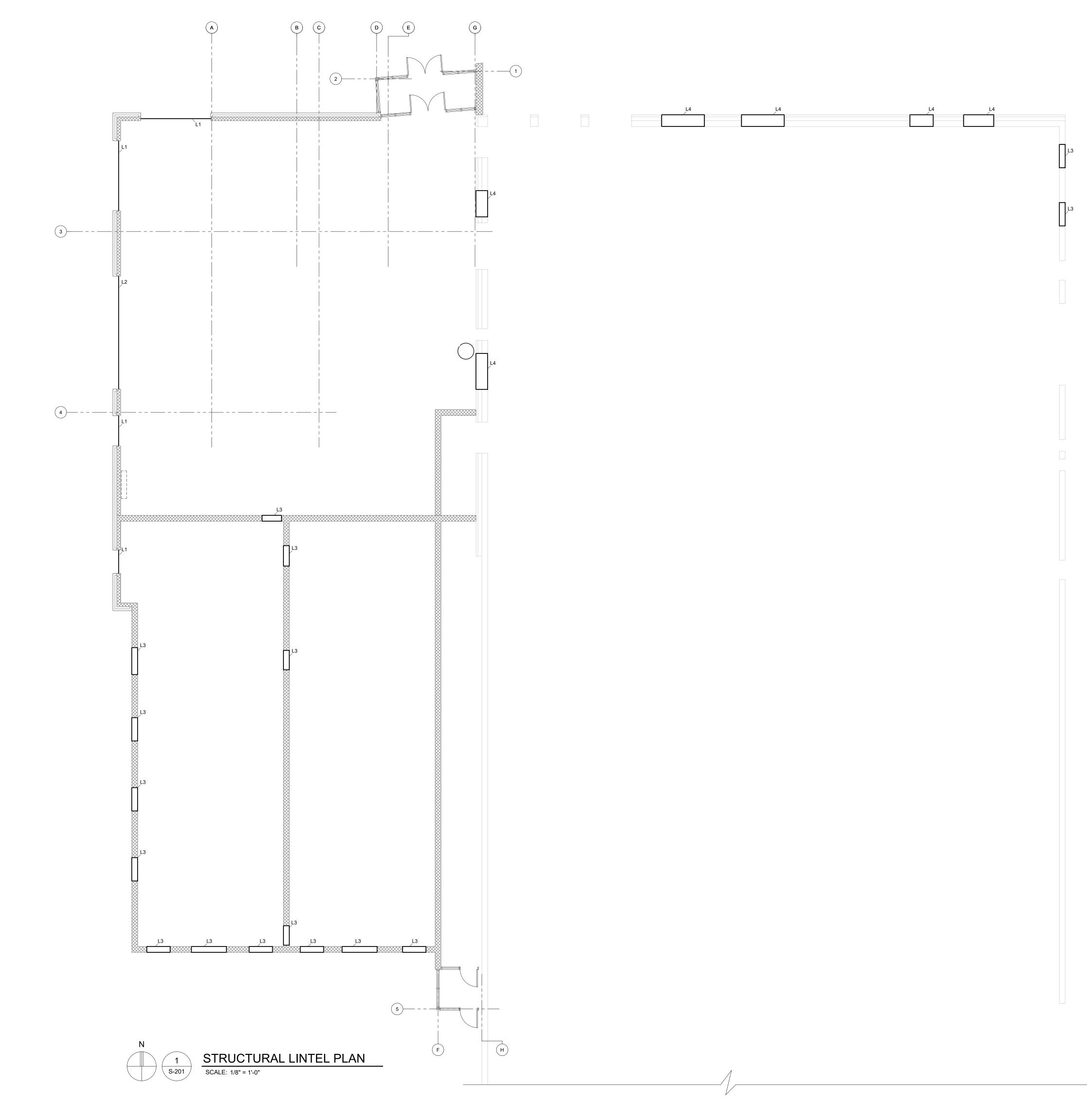
# BEARING PLATE SCHEDULE

MARK	SIZE	ANCHOF
BP1	11"x7"x <sup>3</sup> / <sub>8</sub> "	(2) ½"Øx5" S
BP2	7"x7"x⅔	(2) ½"Øx5" S
BP3	7"x12"x¾"	(2) <sup>1</sup> ⁄₂"Øx5" S



MINIMUM EMBEDMENT TBD

STUDS





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Project:

City of Taylor Animal Shelter Remodel & Expansion

LINTEL SCHEDULE		
MARK	SIZE	
L1	W8x15 W/ 14"x¾" PLATE + ∠3x3x¾ STIFFENERS @ 1'-0" O.C.	
L2	W8x21 W/ 14"x¾" PLATE + ∠3x3x¾ STIFFENERS @ 1'-0" O.C.	
L3	16"D MASONRY LINTEL W/ (2) #5 BARS	
L4	W8x15 W/ 23"x¾" BOTTOM PLATE + 20"x¾" TOP PLATE	

\* ALL LINTELS HAVE 8" BEARING

25555 Northline Rd. Taylor, MI 48180 Seal:



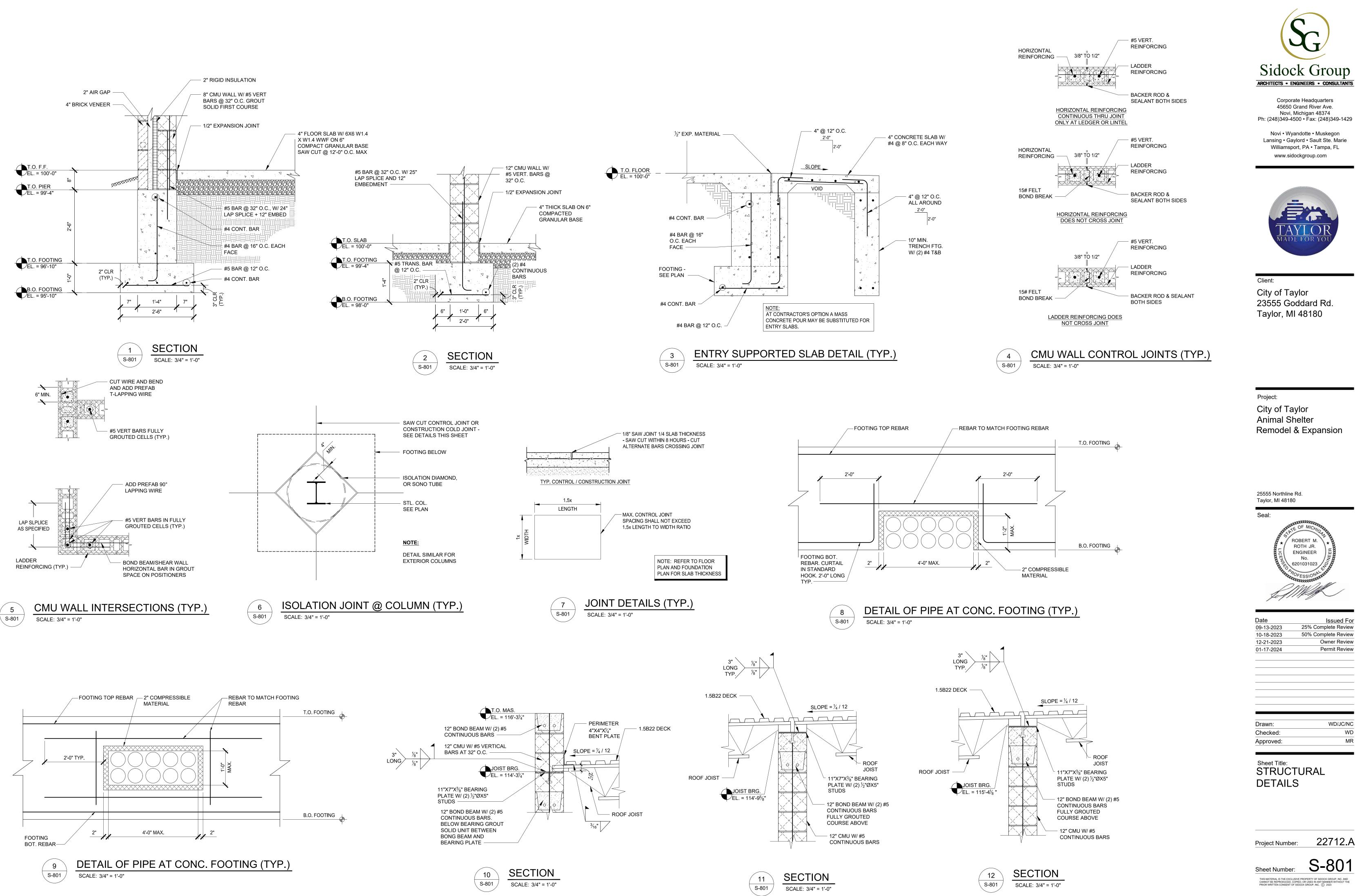
ate	Issued For
9-13-2023	25% Complete Review
0-18-2023	50% Complete Review
2-21-2023	Owner Review
1-17-2024	Permit Review

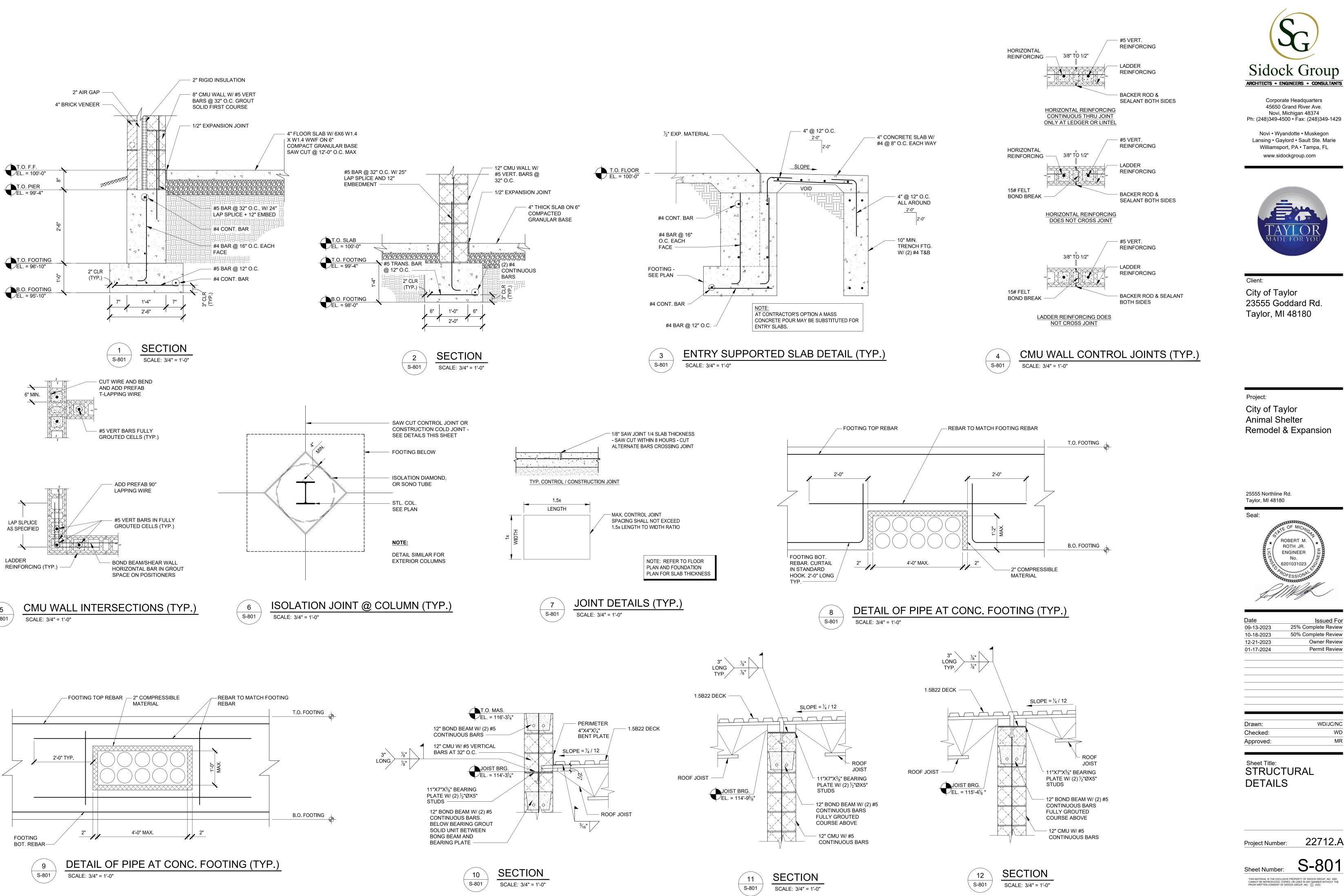
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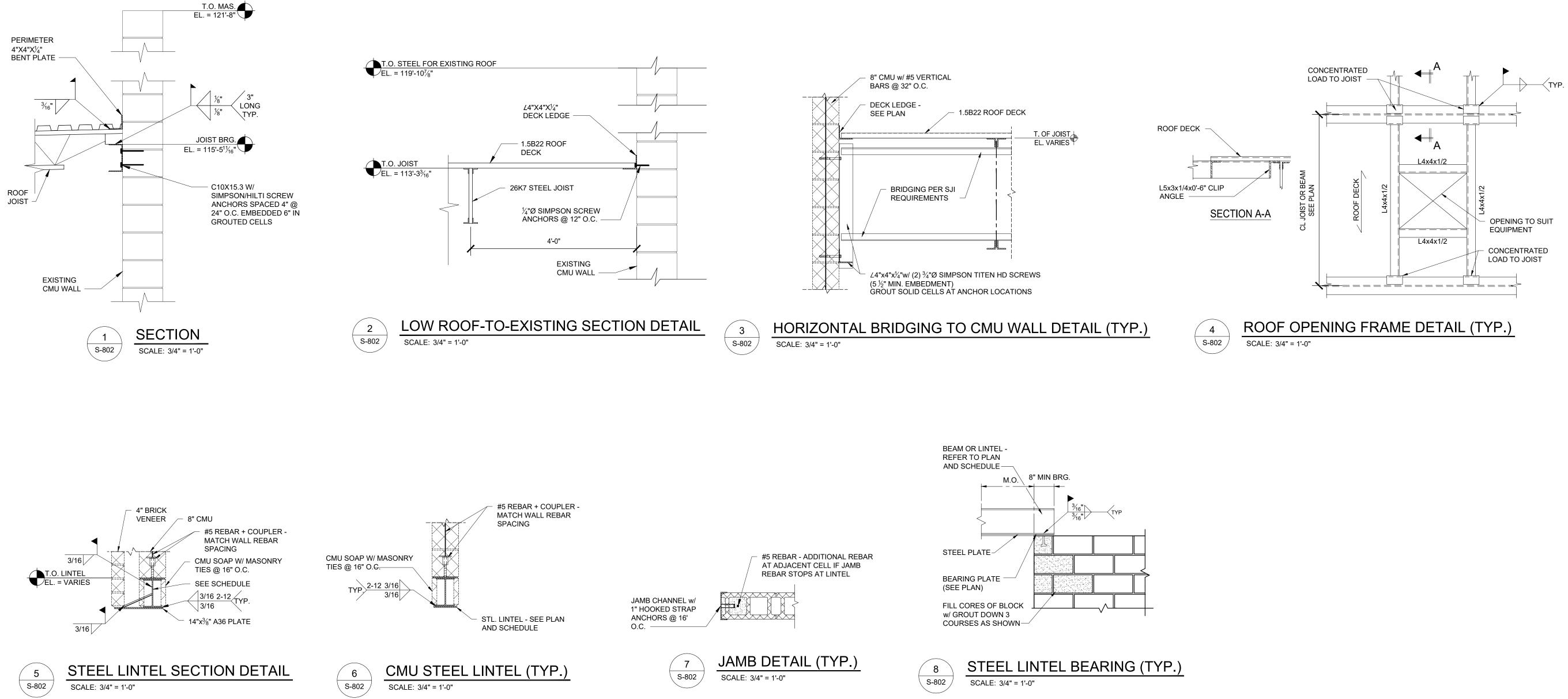
Sheet Title: STRUCTURAL LINTEL PLAN

Project Number: 22712.A Sheet Number: S-201

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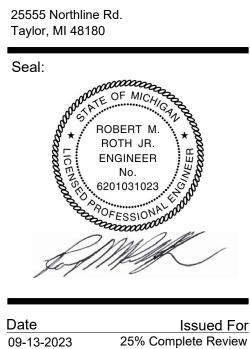
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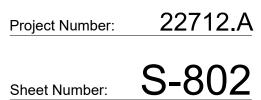
City of Taylor Animal Shelter Remodel & Expansion



10-18-2023 50% Complete Review 12-21-2023 Owner Review Permit Review 01-17-2024

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Approved:	MR

Sheet Title: DETAILS



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